

CITY OF ROME
TANNERY ROAD LANDFILL
2025 PERIODIC REVIEW REPORT

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1.0

EXECUTIVE SUMMARY

This document presents the 2025 (January 2025 through December 2025) Periodic Review Report for post closure operations, including maintenance and monitoring activities for the closed City of Rome Landfill, NYSDEC Site #633012, located on Tannery Road in the City of Rome, Oneida County, New York. Final closure of the landfill was completed in September 1997 and in January 1999 the New York State Department of Environmental Conservation (NYSDEC) approved the closure certification report.

The post closure maintenance and monitoring activities were performed pursuant to the Operation, Maintenance and Monitoring Plan (Revised October 19, 1999) that was approved by the NYSDEC. A Site Management Plan was submitted to NYSDEC and approved in 2020.

Monitoring well ground water elevation and leachate monitoring well ground water elevation data indicate an inward gradient (toward the landfill) between perimeter landfill monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S and landfill leachate monitoring well LMW-10 within the landfill slurry wall during the first and fourth quarters of 2025. There was an inward gradient with respect to LMW-11 for monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S during the first, second, and fourth quarters of 2025. There was an external gradient with respect to LMW-10 and LMW-11 during the third quarter inspection, due to the very dry summer season causing lower groundwater elevations in the external monitoring wells along with repairs of the leachate recovery wells.

The significant natural ground water gradient from the landfill to the monitoring wells located east of the landfill (MW-1S/1D and MW-7S/7D) prevent establishment of an inward gradient toward the landfill from the eastern monitoring wells.

The 73,197 gallons of leachate collected between December 2024 and December 2025 is less than the annual 4 million gallons site remedy objective. Historically, the annual volume of leachate collected has been below the 4 million gallon per year objective. In 2023 leachate recovery wells RW-1, RW-2 and RW-4 were inoperable and RW-3 was only periodically functional due to a faulty level indicator. Repair and re-construction of the leachate recovery system was carried out during 2024, with final wiring, well pump, flow meter and control probes completed October 1, 2025. Liner and boot repair, and excavation backfill was completed on November 20, 2025. All four wells are running on auto. The City intends to topsoil, seed and mulch the repairs area as weather permits in early December 2025.

No sampling of monitoring wells was required in 2025; the next scheduled monitoring will be in March 2026. Historical analytical data summary tables and ground water monitoring well trend graphs of leachate indicator parameter concentrations are provided in Appendix A and Appendix B, respectively. Trend graphs to December 2024 indicate that MW-3S ground water alkalinity, ammonia, BOD, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current levels. MW-3S manganese concentrations currently exhibit a decreasing trend, since 2011, from the increase that began in 2004. The decreasing MW-2D ammonia, BOD, potassium, sodium and TOC concentrations and the decreasing MW-5S alkalinity, ammonia, COD, manganese,

potassium, sodium, TDS and TOC concentrations appear to have stabilized. Trend graphs indicate that MW-7D ground water alkalinity, ammonia, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have generally stabilized at the current concentrations. The MW-1S and MW-4S ground water alkalinity, BOD, COD, ammonia, chloride, iron, manganese, potassium, sodium, TDS and TOC concentrations are generally stable.

Data indicates a continued limited landfill related impact on ground water quality at monitoring wells MW-2D, MW-3S, MW-4S and MW-7D, although MW-2D, MW-3S, MW-5S and MW-7D ground water quality has significantly improved since closure of the landfill.

Cap settlements had been observed on the east, southeast and north side of the landfill. Six areas of erosion were repaired, graded and seeded in 2024. There were no indications of negative impact to the cap geomembrane. The cover system continues to meet the control objectives.

2.0 SITE OVERVIEW

The Rome Landfill, NYSDEC Site #633012, also referred to as the Tannery Road Landfill, (hereafter referred to as the Site) is located on Tannery Road, approximately 0.9 miles south of Route 69 and 1.2 miles north of Oswego Road in the Western portion of the City of Rome (Figure 1), Oneida County, New York (Parcel No. 221.000-1-7.1). The site is located on a 140-acre tract of land owned by the City of Rome, in an area known as the Rome Sand Plains. It is a relatively rural area with some residential and commercial development along Tannery Road.

Site geologic stratigraphy consists of approximately 80 feet of fine-grained sediments (in descending order: lacustrine sand, lacustrine silt, lacustrine clay and silt and glacial till), deposited by glacial and glaciolacustrine processes, overlying bedrock shale. Surface water drains from the Site in an easterly and southerly direction, and ultimately discharges to Canada Creek, approximately 500 feet east of Tannery Road.

The Site was reportedly used for sand mining in the early 1900s and as a disposal area since the 1950s, with active disposal operations terminating in 1985. Following a Remedial Investigation/Feasibility Study (RI/FS), on the basis of the complete Site administrative record, the NYSDEC issued a Record of Decision (ROD) on March 30, 1995, specifying the required Site Remedial Action Plan. Landfill closure was completed in 1997, consisting of waste relocation within the footprint of the landfill, installation of four leachate recovery wells and three monitoring wells, and included pump tests and wetland mitigation.

The landfill cover system generally consists of a 12-inch-thick gas vent (sand) layer, 40-mil LLDPE geomembrane, a 24-inch layer of soil (the barrier protection layer), and 6-inch topsoil layer. The surface water management system consists of a drainage swale which encircles the landfill midway down the slope and stone lined down chutes which drain water from the swale to the toe of the slope.

The actual "footprint" of the landfill is approximately 44 acres. The landfill is currently a large plateau with steep sides rising approximately 30 feet above the surrounding low-lying terrain. The site is bordered on the north by the abandoned New York Central Railroad line, on the west and south by Freshwater Wetland VE-2, and on the east by the 14.5-acre Oneida County Ash Landfill. Figure 1 depicts the site location and Figure 2 depicts the site parcel boundary.

The Remedial Action Objectives (RAOs) for the Site as listed in the Rome Landfill, Tannery Road Record of Decision (ROD) [or Decision Document] dated March 1995 are as follows:

- Reduce, control, or eliminate the generation of leachate within the soils/waste on site.
- Eliminate the threat to surface waters by eliminating any future contaminated surface runoff from the contaminated soils on site.
- Eliminate the potential for direct human or animal contact with landfill waste.
- Mitigate the impacts of contaminated groundwater on the environment.
- Prevent, to the extent practical, migration of contaminants in the landfill to groundwater.
- Provide for attainment of standards, criteria and guidance (SCGs) for groundwater quality at the limits of the area of concern (AOC).
- Ensure a safe water supply for any downgradient residents whose wells may have been impacted by the landfill.

A series of institutional controls (ICs) is required by the record of decision (ROD) to:

- (1) implement, maintain and monitor Engineering Control systems;
- (2) prevent future exposure to remaining contamination; and
- (3) prohibit development of the site.

Adherence to these ICs on the site is required by Deed restriction and will be implemented under the SMP. Institutional Controls identified in the Deed restriction (Clark, 2016) may not be discontinued without an amendment to or extinguishment of the Deed restriction.

These ICs are:

- The property use is limited to a capped and closed landfill; however, the landfill may be used for solar power generation. All engineering controls (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.
- The use of groundwater underlying the property is prohibited.
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP.

- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP.
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP.
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP.
- Maintain the public water line along Tannery Road and connect any new users to the water line.
- Maintain leachate sewer line to the City of Rome wastewater treatment plant.
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Deed restriction.
- Vegetable gardens and farming on the site are prohibited.

3.0 REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

The site remedy consisted of the following:

- Re-grading the landfill to reduce the landfill footprint from 57 acres to 44 acres and the recreation of approximately 11 acres of wetland.
- Installation of an FML cap over the landfill that meets NYSDEC Part 360 standards.
- Construction of a full slurry wall surrounding the landfill waste, and the pumping and treatment of approximately 4 million gallons of leachate per year with treatment at the Rome POTW.
- Extension of a public water supply main to replace impacted and threatened private water wells along Tannery Road.
- Fencing, deed restrictions, maintenance, and periodic reviews.
- Long term monitoring program will allow the effectiveness of the selected remedy to be monitored by sampling and testing of groundwater.

3.1 Landfill Cap

Although there are periodic areas of erosion (refer to Section 5.3), the landfill cap continues to be effective in meeting the following remedial action objectives:

- Eliminate the threat to surface waters by eliminating any future contaminated surface run-off from the contaminated soils on site.
- Eliminate the potential for direct human or animal contact with landfill waste.
- Reduce generation of leachate by minimizing precipitation from infiltrating landfill waste.

3.2 Public Water Supply

The City of Rome continues to maintain the public water supply to residents along Tannery Road.

3.3 Slurry Wall and Leachate Pumping System

The slurry wall and leachate pumping system have to a significant extent met the following remedial action objectives.

- Mitigate the impacts of contaminated groundwater on the environment.
- Prevent, to the extent practical, migration of contaminants in the landfill to groundwater.
- Provide for attainment of SCGs for groundwater quality at the limits of the area of concern (AOC).

As discussed in Section 5.1, ground water concentrations of the leachate indicator parameters in perimeter monitoring wells MW-2D, MW-3S, MW-5S and MW-7D have decreased from pre landfill closure concentrations. However, data indicate a continued limited landfill related impact on ground water quality at monitoring wells MW-2D, MW-3S, MW-4S and MW-7D, although MW-2D, MW-3S, MW-5S and MW-7D ground water quality has significantly improved since closure of the landfill.

The leachate pumping system repairs begun in 2024 were finalized in November 2025.

4.0 IC/EC PLAN COMPLIANCE REPORT

Periodic Review Report forms are provided in Appendix F.

4.1 Engineering Controls

4.1.1 Ground water Containment/Leachate Collection

Details on the ground water containment and leachate collection for 2025 are provided in Sections 5.2 and 5.4, respectively. Section 5.1 provides details on ground water quality adjacent to the landfill.

Control Objective: The slurry wall in conjunction with the four leachate recovery wells is intended to create an inward ground water gradient toward the landfill. The ROD stated approximately 4 million gallons of leachate per year would be extracted from the landfill. Remedial action objectives are further discussed in Section 3.3

Status: Monitoring well ground water elevation and leachate monitoring well ground water elevation data indicate an inward gradient (toward the landfill) between perimeter landfill monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S and landfill leachate monitoring well LMW-10 within the landfill slurry wall during the first and fourth quarters of 2025. There was an inward gradient with respect to LMW-11 for monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S for the first, second, and fourth quarters of 2025. An external gradient with respect to LMW-10 and LMW-11 existed in the third quarter of 2025 due to lack of rain causing lower than usual groundwater elevations in the monitoring wells upstream of the landfill, combined with the on-going repair work to the leachate recovery system (completed after the September inspection).

The 73,197 gallons of leachate collected since December 2024 is less than the annual 4 million gallons site remedy objective. In 2023 leachate recovery wells RW-1, RW-2 and RW-4 were inoperable and RW-3 was only periodically functional due to a faulty level indicator. Repair and re-construction of the leachate recovery system was carried out during 2024, with final wiring, well pump, flow meter and control probes completed October 1, 2025. Liner and boot repair, and excavation backfill was completed on November 20, 2025. All four wells are running on auto.

Historically, there has been an inward gradient for at least part, if not all, of the year in the central, northern, and southern areas of the landfill. There is no inward gradient in the eastern section of the landfill. The ground water gradient across the site from west to east is approximately 7 to 8 feet. A leachate well pilot study determined that a network of vertical or horizontal leachate collection wells is incapable of creating an inward gradient along the eastern section of the landfill due to a significant natural groundwater gradient. Ground water quality adjacent to the landfill is further discussed in Section 5.1.

Corrective Measures: From June 2021 through August 2021 Sterling Environmental Engineering (Sterling), on behalf of the City, conducted a pilot program to determine the type and placement of additional recovery wells required to establish a localized inward hydraulic gradient by

installation of appropriately located shallow piezometers or monitoring wells to measure the hydraulic gradient across the barrier. The test consisted of the installation of one (1) six-inch inside diameter (I.D.) groundwater recovery well (RW-5) and three (3) shallow piezometers to monitor groundwater levels during pumping and removal of groundwater from the newly installed recovery well RW-5B.

The pilot study documented significant difficulties and limitations for installing and operating vertical recovery wells for removal of groundwater. It is anticipated that the same difficulties and limitations would be expected for a horizontal directionally drilled (HDD) recovery well at the Tannery Road Landfill. Difficulties placing a sand pack around the well screen would likely result in sand infiltration in the horizontal well and very low flow rates through the well screen. Accumulation of sand in an HDD recovery well likely would clog the pumps and piping limiting the ability to effectively pump and capture groundwater and leachate.

Based on the presence of heaving glaciolacustrine fine sand at the Tannery Road Landfill, the results of the hydrologic testing performed during this pilot study, neither vertical nor horizontal recovery wells around the perimeter of the Tannery Road Landfill are technically feasible as a groundwater/leachate recovery system. Experience with existing recovery wells RW-1, RW-2, RW-3 and RW-4 indicated that installing recovery wells through the waste mass also is not feasible due to differential settlement leading to well shearing and failure.

The data indicated that neither additional vertical nor new horizontal recovery wells can be used to efficiently pump leachate and groundwater from within the hydraulic barrier/cap system to establish a localized inward hydraulic gradient. Installation of additional vertical or new horizontal recovery wells was not recommended considering they would not achieve the goal of creating a localized inward hydraulic gradient at the landfill hydraulic barrier.

The City of Rome proposed to maintain the original groundwater/leachate recovery system, consisting of the four groundwater/leachate recovery wells. Public water is provided on Tannery Road and therefore there is no human exposure to leachate related contaminants via drinking water. An off-site investigation conducted in 2003 indicated that the closed City of Rome, Tannery Road landfill is not having a significant impact on Canada Creek surface water or sediment quality. Ground water quality data indicate that ground water in the vicinity of monitoring wells MW-2D, MW-3S, MW-5S and MW-7D has significantly improved since closure of the landfill.

The 2024 corrective measures consisted of repairing existing leachate recovery wells RW-1, RW-2, RW-3 and RW-4. In 2023, the City solicited bids from drilling firms to replace leachate recovery wells RW-1 and RW-4 for replacement, scheduled for August 2024 due to drillers' availability. The replacement wells were completed and connected to the leachate collection system in August and September 2024. Old pumps and wiring were removed and new 1" well pipe, new wiring, level sensors and pumps were installed. New electrical disconnects and splice box for control wires on wells RW-1, -RW2, and RW-4 were installed, along with new flow meters. The discharge pipe for RW-2 was excavated and repaired and a new float valve was installed on RW-3.

The new pumps are single phase, 2-wire, 240-volt, 0.5 horsepower, capable of pumping 10 gallons per minute. See pump information in Appendix I.

Due to the opening in the landfill liner required to accommodate the leachate recovery system site work, the contracting timeline and wet weather in November and snow in December 2024, and on-going well work, the liner repair was completed in November 2025. Areas of new piping were backfilled with sand, the rubber liner was repaired and backfilled up to grade. Topsoil and seeding will be completed in 2026 as soon as the ground around the area is appropriately dry to bring in equipment required.

All pumps went online and were operable on November 20, 2025. Minimum leachate was removed and an accurate volume could not be obtained due to insufficient leachate for pumping. Subsequently, two of the four pumps became inoperable due to the pumps being seized and drawing 25-30 amps. The pumps at RW-3 and RW-4 were running on auto but were switched to being run in-hand as they are not reliably turning off when there is no leachate available. Efforts to correct these issues are on-going.

4.1.2 Cover System

Details on the landfill cover system based on the 2025 inspections are provided in Section 5.3.

Control Objective: The intent of the cover system is to eliminate the threat to surface waters by eliminating any future contaminated surface run-off from the contaminated soils within the site; eliminate the potential for direct human or animal contact with landfill waste; and reduce generation of leachate by minimizing precipitation infiltrating landfill waste.

Status: Although there are areas of cap erosion periodically. The cap geomembrane appears to be intact, and the cover system continues to meet the control objectives.

Corrective Measures: The 2025 landfill inspections included several areas of erosion and cap settlement. Cap settlement was observed on the east, southeast and north side of the landfill. Six areas of erosion were repaired, graded and seeded in 2024. Maintenance is on-going. There were no indications of negative impact to the cap geomembrane. The cover system continues to meet the control objectives.

4.1.3 Alternate Water Supply

Control Objective: Provide public drinking water to residents on Tannery Road

Status: The City continues to maintain the public water line on Tannery Road.

4.1.4 Fencing/Access Control

Control Objective: In conjunction with cover system, fencing will eliminate potential for direct human or animal contact with landfill waste.

Status: The City continues to maintain site fencing and access control via locked gates. In 2025, due to drought conditions and winds, there were several areas where trees had fallen onto the fencing. The City removed fallen trees and cleared the exterior side of the landfill fence for inspection access. There is on-going maintenance of the fencing, gates and locks.

4.2 Institutional Controls

Institutional controls include the approved Operation, Maintenance and Monitoring Plan (OMMP), a Site Management Plan (SMP) and a deed restriction.

Status: The post-closure operation, monitoring and maintenance plan (OMMP) was approved on 10/19/1999 and the SMP was submitted on 6/23/2020 and approved on 10/8/2020. The Clark family, property owners, finalized a Deed Restriction in County files in 2016.

Corrective Measures: A 2016 Deed Restriction is on file.

5.0 MONITORING PLAN COMPLIANCE REPORT

Site monitoring includes weekly inspection of the leachate collection system by City of Rome personnel. Overall site inspection and ground water level measurements were conducted quarterly by Delaware Engineering. Pursuant to the March 30, 2011, approval by the NYSDEC for a 15-month ground water monitoring schedule no ground water samples were collected in 2025; the next monitoring is scheduled for March 2026.

5.1 Ground Water Data and Historical Ground Water and Leachate Analytical Data

Historical trend graphs indicate that MW-3S ground water alkalinity, ammonia, BOD, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current levels. MW-3S manganese concentrations currently exhibit a decreasing trend, since 2011, from the increase that began in 2004. The decreasing MW-2D ammonia, BOD, potassium, sodium and TOC concentrations and the decreasing MW-5S alkalinity, ammonia, COD, manganese, potassium, sodium, TDS and TOC concentrations appear to have stabilized. Trend graphs indicate that MW-7D ground water alkalinity, ammonia, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have generally stabilized at the current concentrations. The MW-1S and MW-4S ground water alkalinity, BOD, COD, ammonia, chloride, iron, manganese, potassium, sodium, TDS and TOC concentrations are generally stable.

Historical analytical data summary tables and ground water monitoring well trend graphs of leachate indicator parameter concentrations are provided in Appendix A and Appendix B, respectively. Data indicate a continued limited landfill related impact on ground water quality at monitoring wells MW-2D, MW-3S, MW-4S and MW-7D, although MW-2D, MW-3S, MW-5S and MW-7D ground water quality has significantly improved since closure of the landfill.

5.2 2025 And Historical Ground Water Elevation Data

Ground water elevation data were measured quarterly from monitoring wells MW-1S, MW-2S, MW-3S, MW-4S, MW-5S, MW-7S, MW-9S, piezometer PZ-1 and leachate wells LMW-10 and LMW-11. Due to an obstruction in the well casing, water level measurements cannot be obtained from LMW-12. A summary of the 2025 ground water elevation data are provided in Table 2. Ground water contour maps for March, June, September, and December are enclosed. Graphs depicting historical ground water elevations over time for each monitoring well are provided in Appendix C.

Monitoring well MW-9S has been considered upgradient of the landfill. However, historical ground water elevation data indicate that there are periods when the ground water elevation in MW-9S is lower than the water level elevation in landfill leachate wells LMW-10 and LMW-11 and historically lower than the ground water elevation in monitoring well MW-3S. Monitoring well MW-9S is located at a greater distance in an upgradient direction from the landfill than any other monitoring well and would be expected to exhibit less of a landfill-related impact on ground water quality than any other landfill monitoring well. Therefore, for the purpose of comparing ground water analytical results, ground water data from monitoring well MW-9S has been considered representative of background conditions.

In December 2024, and March and December, 2025, the MW-2S, MW-3S, MW-4, MW-5S, and MW-9S groundwater elevations were slightly higher than LMW-10. In June and September MW-2S, MW-3S, MW-4s, MW-5S, and upgradient MW-9S were below LMW-10 leachate monitoring well ground water elevations indicating an outward gradient, most likely due to lack of rain recharge to groundwater levels. Data indicate a slight inward gradient at monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S for at least part of 2025.

The March, June, and December 2025, MW-2S, MW-3S, MW-4S, MW-5S and MW-9S elevations were higher than the LMW-11 leachate monitoring well ground water elevation. Data indicate an inward gradient with respect to LMW-11 for at least part of 2025. The September 2025 MW-2S, MW-3S, MW-4S, MW-5S and MW-9S elevations were lower than the LMW-11 leachate monitoring well ground water elevation, indicating an outward gradient, most likely due to lack of rain recharge to groundwater levels.

Trend graphs of historical ground water elevation data indicate an increasing trend at LMW-10 and LMW-11 since approximately 2013, around the time of the LMW-12 failure. With the exception of monitoring well MW-2S, ground water monitoring well ground water elevations exhibit a slight increasing trend. Most monitoring wells exhibit elevation variability of approximately 5 feet on an annual basis, with the September measurements generally being the lowest groundwater elevation.

Monitoring well ground water elevation and leachate monitoring well ground water elevation data indicate a slight inward gradient (toward the landfill) between perimeter landfill monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S and landfill leachate monitoring well LMW-10 within the landfill slurry wall during the first and fourth quarters of 2025. There is an inward gradient with respect to LMW-11 for monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and

MW-9S for the first, second, and fourth quarters of 2025. The significant natural ground water gradient from the landfill to the monitoring wells located east of the landfill (MW-1S/1D and MW-7S/7D) prevent establishment of an inward gradient toward the landfill from the eastern monitoring wells.

It should be noted that precipitation amounts were very low in the summer of 2025. Additionally, the leachate recovery system was not functional due to repairs on-going during 2024, and partially functional during inspections in 2025. The leachate recovery wells were returned to functionality in late September 2025. Final liner and boot repair, and excavation backfill was completed on November 20, 2025.

5.3 2025 Site Inspections

5.3.1 Weekly Site Inspections

City of Rome personnel conducted weekly landfill inspections in accordance with the procedures detailed in the O&M manual. The weekly inspections included evaluation of the ground water/leachate pumping operation and general site security.

5.3.2 Quarterly Inspections

Delaware Engineering performed quarterly landfill inspections. The inspections included general review of landfill cap conditions, general site conditions, evaluation and recording of data for the ground water/leachate pumping system, and collection of ground water levels. Quarterly inspection sheets are provided in Appendix D.

The 2025 landfill inspections included observation of several areas of erosion and cap settlement repairs. Cap settlement has periodically been observed on the east, southeast and north side of the landfill. Six areas of erosion were repaired, graded and seeded in 2024. There were no indications of negative impact to the cap geomembrane. The cover system continues to meet the control objectives.

None of the flares are currently operational. When flares have been operational none of the operational flares have been ignited, most likely indicating insufficient flammable gas for ignition.

5.4 2025 Ground Water / Leachate Pumping System

Readings from the flow totalizers in the meter pit were recorded for each recovery well during the quarterly inspections. Leachate flows for each recovery well for the period from December 2024 to December 2025 are presented below and in Table 3.

RW-1	634 gallons
RW-2	759 gallons
RW-3	71,800 gallons
RW-4	4 gallons
Total Gallons	73,197 gallons

A summary of the total gallons of leachate that have been pumped from the landfill since 1998 is provided in Table 4.

During 2023 recovery wells RW-1, RW-2 and RW-4 were not functional and RW-3 was only periodically functional due to a faulty level float. As noted in the 2005 annual report a video inspection of RW-1 and RW-4 revealed that the well casings had collapsed prohibiting the discharge of leachate from the pumps. Continual shifting of the landfill mass has previously affected site monitoring wells and leachate recovery well RW-4.

Replacement of RW-1 with RW-1A, and RW-4 with RW-4A as well as repairs to RW-2 and RW-3 were undertaken in 2024 and substantially completed in late September 2025 with leachate recovery wells functional. Final site liner repair was completed in November 2025.

5.5 Conclusions

Historical analytical data indicate a continued limited landfill related impact on ground water quality at monitoring wells MW-2D, MW-3S, MW-4S and MW-7D, although MW-2D, MW-3S, MW-5S and MW-7D ground water quality has significantly improved since closure of the landfill.

No groundwater monitoring was required in 2025, the next monitoring is scheduled for March 2026. Historic trend graphs indicate that MW-3S ground water alkalinity, ammonia, BOD, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current levels, while MW-3S manganese concentrations currently exhibit a decreasing trend. The decreasing MW-2D ammonia, BOD, potassium, sodium and TOC concentrations and the decreasing MW-5S alkalinity, ammonia, COD, manganese, potassium, sodium, TDS and TOC concentrations appear to have stabilized. Trend graphs indicate that MW-7D ground water alkalinity, ammonia, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have generally stabilized at the current concentrations. The MW-1S and MW-4S ground water alkalinity, BOD, COD, ammonia, chloride, iron, manganese, potassium, sodium, TDS and TOC concentrations are generally stable.

Data indicate a continued limited landfill related impact on ground water quality at monitoring wells MW-2D, MW-3S, MW-4S and MW-7D, although MW-2D, MW-3S, MW-5S and MW-7D ground water quality has significantly improved since closure of the landfill.

Cap settlement has been periodically observed on the east, southeast and north side of the landfill. Six areas of erosion were repaired, graded and seeded in 2024. There were no indications of negative impact to the cap geomembrane. The cover system continues to meet the control objectives. Maintenance is on-going.

Monitoring well ground water elevation and leachate monitoring well ground water elevation data indicate an inward gradient (toward the landfill) between perimeter landfill monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S and landfill leachate monitoring well LMW-10 within the landfill slurry wall during the first and fourth quarters of 2025. There was an inward gradient

with respect to LMW-11 for monitoring wells MW-2S, MW-3S, MW-4S, MW-5S, and MW-9S during the first, second, and fourth quarters of 2025. The significant natural ground water gradient from the landfill to the monitoring wells located east of the landfill (MW-1S/1D and MW-7S/7D) prevent establishment of an inward gradient toward the landfill from the eastern monitoring wells.

The 73,197 gallons of leachate collected since December 2024 is less than the annual 4 million gallons site remedy objective. In 2023, leachate recovery wells RW-1, RW-2 and RW-4 were inoperable and RW-3 was only periodically functional due to a faulty level float. Historically, the annual volume of leachate collected has been below the 4 million gallon per year objective. Repairs to the leachate recovery system and wells were undertaken in 2024 and completed in late September 2025. Repair of the liner opening required for the well work was completed in November 2025.

6.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE

6.1 Operation and Maintenance Plan Requirements

Operation and maintenance requirements are summarized below and detailed in the Operation and Maintenance Monitoring Plan (October 1999):

- Weekly recording of leachate flow meter totals and pump station hour meter readings.
- Monthly inspection of the leachate collection system and recording of flow meter and hour meter readings. Monthly inspection of access road and perimeter fencing
- Quarterly inspection of the landfill cover system
- Quarterly collection of ground water elevations
- 15-month ground water monitoring schedule (alternating quarters, March, June, September and December)
- Monthly inspection of landfill gas flares
- Quarterly inspection of landfill vents and hydrogen sulfide monitoring at vents.

6.2 Summary of O&M Completed During Reporting Period

With the exception of the inspection and maintenance of the landfill gas flares and the hydrogen sulfide monitoring of the landfill vents, all required inspections were conducted. The landfill gas flares no longer remain ignited when they are operational, most likely due to lack of combustible gas. Therefore, inspection and maintenance of the flares has been discontinued. There have been no hydrogen sulfide odors associated with the landfill vents and hydrogen sulfide monitoring has

been discontinued. Inspection continues to include observations at landfill vents and this monitoring will be re-instituted should it become necessary.

Periodically, cap settlement has been observed on the east, southeast and north side of the landfill. Six areas of erosion were repaired, graded and seeded in 2024. There were no indications of negative impact to the cap geomembrane. Maintenance is on-going. The cover system continues to meet the control objectives.

6.3 Evaluation of Remedial Systems and Corrective Actions

As noted in previous sections of this report leachate recovery wells RW-1, RW-2 and RW-4 had become inoperable. RW-3 was only periodically functional due to a faulty level float. Historically, the annual volume of leachate collected has been below the 4-million-gallon objective. The required inward gradient was not consistent throughout the entire monitoring period in 2025. Since the leachate recovery well system repairs were completed in late September 2025, expectations are that an inward gradient will be restored, with indications in December 2025 of renewed functionality.

The 2021 Leachate Recovery Well Pilot Study indicated that neither additional vertical nor new horizontal recovery wells can be used to efficiently pump leachate and groundwater from within the hydraulic barrier/cap system to establish a localized inward hydraulic gradient. Installation of additional vertical or new horizontal recovery wells is not recommended considering they would not achieve the goal of creating a localized inward hydraulic gradient at the landfill hydraulic barrier.

The City of Rome proposed to maintain the original groundwater/leachate recovery system, consisting of the four groundwater/leachate recovery wells. Public water is provided on Tannery Road and therefore there is no human exposure to leachate related contaminants via drinking water. An off-site investigation conducted in 2003 indicated that the closed City of Rome, Tannery Road landfill is not having a significant impact on Canada Creek surface water or sediment quality. Ground water quality data indicate that ground water in the vicinity of monitoring wells MW-2D, MW-3S, MW-4S, MW-5S and MW-7D has significantly improved since closure of the landfill.

Repair of existing leachate recovery wells RW-1, RW-2, RW-3 and RW-4 represented the correctives measures. In Summer of 2023 the City solicited bids from drilling firms to replace leachate recovery wells RW-1 and RW-4 in 2024. During 2024, the discharge pipe for RW-2 was excavated and repaired, while a new float valve was installed on RW-3. Replacement wells for RW-1 (RW-1A) and RW-4 (RW-4A) were installed and connected to the leachate recovery system.

In 2025, power new wiring and pump installation were completed for RW-1A and RW-4A. Control probes were installed in all four wells plus a new flow meter in RW-4A. Liner repair work on RW-1A, RW-2 and RW-4A was completed in November 2025.

7.0 PRR CONCLUSIONS AND RECOMMENDATIONS

The periodic review report (PRR) institutional and engineering controls certification form is provided in Appendix F.

In 2023, leachate recovery wells RW-1, RW-2 and RW-4 were inoperable and RW-3 was only periodically functional due to a faulty level float and historically, the annual volume of leachate collected has been below the 4-million-gallon objective. The required inward gradient was not consistent throughout the entire monitoring period.

Replacement wells RW-1A and RW-4A were completed and connected to the leachate collection system. The discharge pipe for RW-2 was excavated and repaired and a new float valve was installed on RW-3. New control probes were installed in all four leachate recovery wells in September 2025. Final repair of the liner opened for well work was completed in November 2025.

Historical analytical data summary tables and ground water monitoring well trend graphs of leachate indicator parameter concentrations indicate a continued limited landfill related impact on ground water quality at monitoring wells MW-2D, MW-3S, MW-4S and MW-7D, although MW-2D, MW-3S, MW-4S, MW-5S and MW-7D ground water quality has significantly improved since closure of the landfill.

Cap settlement has been periodically observed on the east, southeast and north side of the landfill. Six areas of erosion were repaired, graded and seeded in 2024. There were no indications of negative impact to the cap geomembrane. Maintenance is on-going. The cover system continues to meet the control objectives.

Monitoring well ground water elevation and leachate monitoring well ground water elevation data indicate an inward gradient (toward the landfill) between perimeter landfill monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S and landfill leachate monitoring well LMW-10 within the landfill slurry wall during the first and fourth quarter of 2025. There was an inward gradient with respect to LMW-11 for monitoring wells MW-2S, MW-3S, MW-4S, MW-5S, and MW-9S for at least the first, second, and fourth quarters of 2025. The significant natural ground water gradient from the landfill to the monitoring wells located east of the landfill (MW-1S/1D and MW-7S/7D) prevent establishment of an inward gradient toward the landfill from the eastern monitoring wells.

The 73,197 gallons of leachate collected since December 2024 is less than the annual 4 million gallons site remedy objective. Historically, the annual volume of leachate collected was below the 4 million gallon per year objective at between 1 million and 3 million gallons per year in the first 20 years of operation. Improvements in the leachate recovery volumes and maintenance of internal hydrologic gradients are expected since the leachate recovery system repairs were completed in 2025.

Table 1
City of Rome Tannery Road Landfill
September 2023 Ground Water Data

Sample Location	No Sample Round in 2025								NYSDEC Ground Water Standard/GV
	MW-1S	MW-2D	MW-3S	MW-4S	MW-5S	MW-7D	MW-9S	LMW-10	
Leachate Indicators (mg/L)									
Ammonia-Nitrogen (mg/L)									2.0
Biochemical Oxygen Demand (BOD) (mg/L)									NS
Bromide (mg/L)									2 (GV)
Chemical Oxygen Demand (COD) (mg/L)									NS
Chloride (mg/L)									250
Color (Pt-Co)									15
Nitrate-Nitrogen (mg/L)									10
Sulfate (mg/L)									250
Total Alkalinity (mg/L)									NS
Total Cyanide (mg/L)									0.2
Total Dissolved Solids (mg/L)									500
Total Hardness (mg/L)									NS
Total Kjeldahl Nitrogen (mg/L)									NS
Total Organic Carbon (mg/L)									NS
Total Phenols (mg/L)									0.001
Part 360 Routine Metals									
Cadmium (mg/L)									0.005
Calcium (mg/L)									NS
Iron (mg/L)									0.3
Lead (mg/L)									0.025
Magnesium (mg/L)									35
Manganese (mg/L)									0.3
Potassium (mg/L)									NS
Sodium (mg/L)									20
Field Parameters									
Conductivity (µmhos/cm)									NS
pH (s.u.)									6.5-8.5
Redox (mV)									NS
Temperature (deg C)									NS
Turbidity (NTU)									5
Part 360 Baseline Metals (mg/L)									
Aluminum (mg/L)									NS
Antimony (mg/L)									0.003
Arsenic (mg/L)									0.025
Barium (mg/L)									1
Beryllium (mg/L)									0.003 GV
Boron (mg/L)									1
Chromium (mg/L)									0.05
Chromium, Hexavalent (mg/L)									0.05
Cobalt (mg/L)									NS
Copper (mg/L)									0.2
Mercury (mg/L)									0.0007
Nickel (mg/L)									0.1
Selenium (mg/L)									0.01
Silver (mg/L)									0.05
Thallium (mg/L)									0.0005 GV
Vanadium (mg/L)									NS
Zinc (mg/L)									2
Volatiles (ug/L)									
1,1,1,2-Tetrachloroethane (µg/L)									5

Table 1
City of Rome Tannery Road Landfill
September 2023 Ground Water Data

Sample Location	No Sample Round in 2025								NYSDEC Ground Water Standard/GV
	MW-1S	MW-2D	MW-3S	MW-4S	MW-5S	MW-7D	MW-9S	LMW-10	
1,1,1-Trichloroethane (µg/L)									5
1,1,2,2-Tetrachloroethane (µg/L)									5
1,1,2-Trichloroethane (µg/L)									1
1,1-Dichloroethane (µg/L)									5
1,1-Dichloroethene (µg/L)									5
1,2,3-Trichloropropane (µg/L)									0.04
1,2-Dibromo-3-chloropropane (µg/L)									0.04
1,2-Dibromoethane (EDB) (µg/L)									5
1,2-Dichlorobenzene (µg/L)									3
1,2-Dichloroethane (µg/L)									0.6
1,2-Dichloropropane (µg/L)									1
1,3-Dichlorobenzene (æg/L)									
1,4-Dichlorobenzene (µg/L)									3
2-Butanone (MEK) (µg/L)									50(GV)
2-Hexanone (µg/L)									50(GV)
4-Methyl 2-pentanone (µg/L)									50 (GV)
Acetone (µg/L)									50(GV)
Acrylonitrile (µg/L)									5
Benzene (µg/L)									1
Bromochloromethane (µg/L)									5
Bromodichloromethane (µg/L)									50(GV)
Bromoform (µg/L)									50(GV)
Bromomethane (µg/L)									5
Carbon disulfide (µg/L)									60 (GV)
Carbon tetrachloride (µg/L)									5
Chlorobenzene (µg/L)									5
Chloroethane (µg/L)									5
Chloroform (µg/L)									7
Chloromethane (µg/L)									5
cis-1,2-Dichloroethene (µg/L)									5
cis-1,3-Dichloropropene (µg/L)									5
Dibromochloromethane (µg/L)									5
Dibromomethane (µg/L)									5
Ethyl benzene (µg/L)									5
Iodomethane (µg/L)									5
Methylene Chloride (µg/L)									5
Styrene (µg/L)									50
Tetrachloroethene (µg/L)									5
Toluene (µg/L)									5
trans-1,2-Dichloroethene (µg/L)									5
trans-1,3-Dichloropropene (µg/L)									5
trans-1,4-Dichloro-2-butene (µg/L)									5
Trichloroethene (µg/L)									5
Trichlorofluoromethane (µg/L)									5
Vinyl Acetate (µg/L)									NS
Vinyl Chloride (µg/L)									2
Xylenes (Total) (µg/L)									5*

Notes:
GV indicates that the standard listed is a Guidance Value.
NS indicates No Standard.
Results in bold typeface indicate that the result exceeds the applicable standard.

J indicates estimated value below the laboratory PQL but above the DL.
R indicates rejected value based on data validation

Table 2
Ground Water Elevation Data
City of Rome Tannery Road Landfill

MEASURING POINT		12/3/2024	3/27/2025	6/17/2025	9/11/2025	12/3/2025
WELL	ELEVATION (FT.)					
MW-1S	449.59	5.67	4.93	5.22	7.77	5.46
MW-2S	459.44	7.03	6.47	6.87	9.71	6.93
MW-3S	456.4	3.76	3.73	3.8	6.14	3.77
MW-4S	456.19	4.12	3.81	3.8	9.85	4.3
MW-5S	457.15	4.97	4.52	4.71	8.07	5
MW-7S	452.25	10.12	7.24	7.43	11.5	10.5
MW-9S	456.38	3.95	3.68	3.72	6.25	4.04
LMW-10	486.3	34.42	34.19	32.69	34.69	34.5
LMW-11	502.4	47.32	51	50.54	48.79	51.85
LMW-12	483.11	*	*	*	*	*
PZ-1	454.37	6.82	5.77	6.18	9.67	6.25

Ground Water Elevation ft amsl

WELL	12/3/2024	3/27/2025	6/17/2025	9/11/2025	12/3/2025
MW-1S	443.92	444.66	444.37	441.82	444.13
MW-2S	452.41	452.97	452.57	449.73	452.51
MW-3S	452.64	452.67	452.6	450.26	452.63
MW-4S	452.07	452.38	452.39	446.34	451.89
MW-5S	452.18	452.63	452.44	449.08	452.15
MW-7S	442.13	445.01	444.82	440.75	441.75
MW-9S	452.43	452.7	452.66	450.13	452.34
LMW-10	451.88	452.11	453.61	451.61	451.8
LMW-11	455.08	451.4	451.86	453.61	450.55
LMW-12	*	*	*	*	*
PZ-1	447.55	448.6	448.19	444.7	448.12

LMW-10 Comparison

WELL	12/3/2024	3/27/2025	6/17/2025	9/11/2025	12/3/2025
MW-1S	7.96	7.45	9.24	9.79	7.67
MW-2S	-0.53	-0.86	1.04	1.88	-0.71
MW-3S	-0.76	-0.56	1.01	1.35	-0.83
MW-4S	-0.19	-0.27	1.22	5.27	-0.09
MW-5S	-0.3	-0.52	1.17	2.53	-0.35
MW-7S	9.75	7.1	8.79	10.86	10.05
MW-9S	-0.55	-0.59	0.95	1.48	-0.54
PZ-1	4.33	3.51	5.42	6.91	3.68

LMW-11 Comparison

WELL	12/3/2024	3/27/2025	6/17/2025	9/11/2025	12/3/2025
MW-1S	11.16	6.74	7.49	11.79	6.42
MW-2S	2.67	-1.57	-0.71	3.88	-1.96
MW-3S	2.44	-1.27	-0.74	3.35	-2.08
MW-4S	3.01	-0.98	-0.53	7.27	-1.34
MW-5S	2.9	-1.23	-0.58	4.53	-1.6
MW-7S	12.95	6.39	7.04	12.86	8.8
MW-9S	2.65	-1.3	-0.8	3.48	-1.79
PZ-1	7.53	2.8	3.67	8.91	2.43

Notes:

- 1) A negative number indicates an inward gradient.
- 2) * Obstruction in well casing unable to obtain water level measurement.

Table 3
Operational Data
City of Rome
Tannery Road Landfill

Pump Station at Tannery Road

Hour Meters

	12/3/2024	3/27/2025	6/17/2025	9/11/2025	12/3/2025	12/28/2024 - 12/28/2025
Pump #1	132,044	133,422	134,955.0	135,810	137,232.00	5,188
Pump #2	133,206	133,356	133,356.00	133,350	133,356.00	150

Totalizers in Meter Pit (Gallons Pumped)

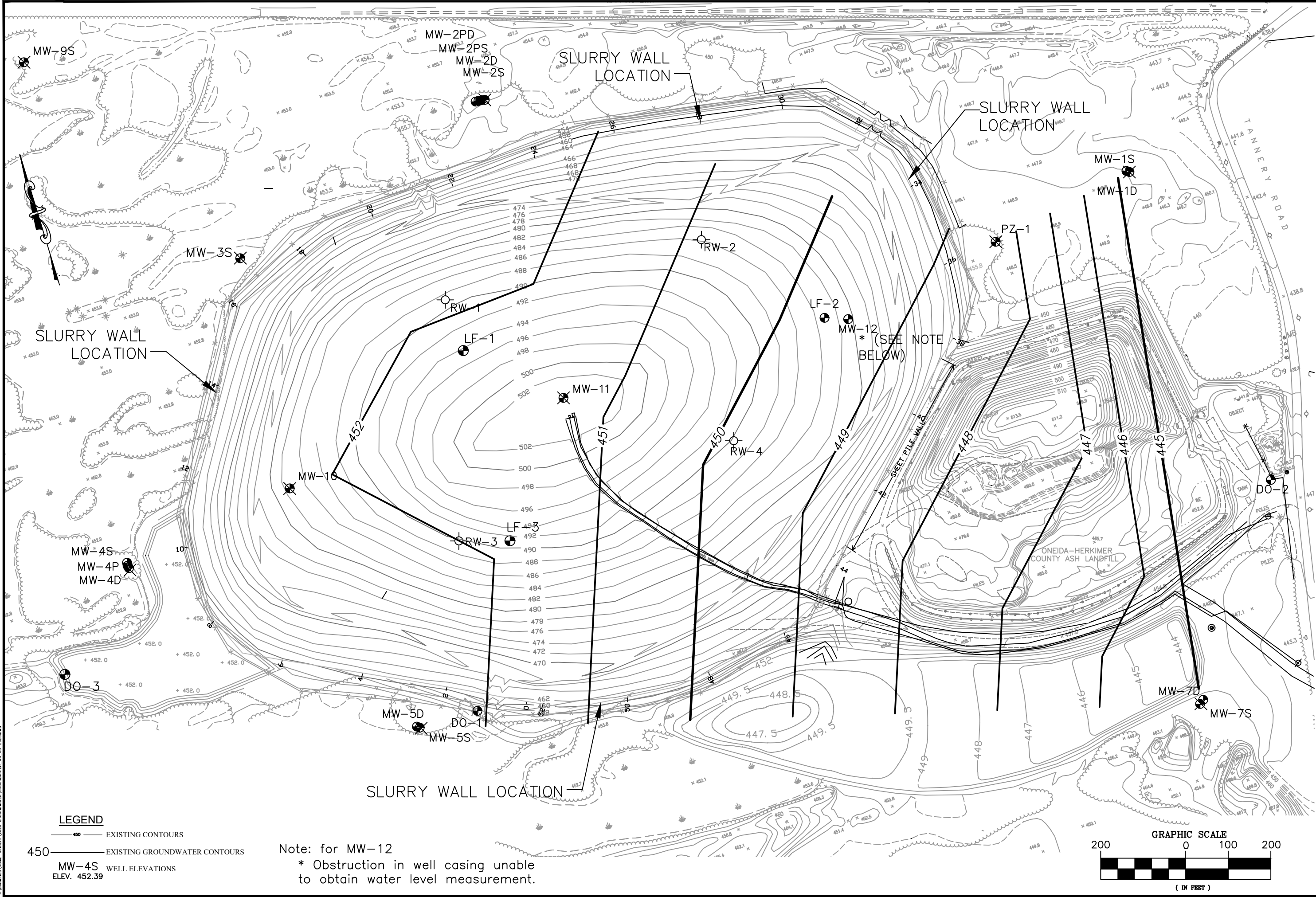
	12/3/2024	3/27/2025	6/17/2025	9/11/2025	12/3/2025	12/28/2024 - 12/28/2025
RW-1	4,538,600	4,538,600	4,538,600	4,538,600	634	634
RW-2	629,900	629,900	1.00	16	759	759
RW-3	6,636,100	6,636,100	6,636,300	6,636,800	6,707,900	71,800
RW-4	Removed	Removed	Removed	1.00	4.00	4
Total						73,197

Hour Meters

	12/3/2024	3/27/2025	6/17/2025	9/11/2025	12/3/2025	12/28/2024 - 12/28/2025
RW-1	19,686.5	19,686.5	19,686.5	19,686.5	20,507.4	820.9
RW-2	47,792.5	47,792.5	47,818.6	49,689.8	50,220.3	2,427.8
RW-3	17,137.4	17,137.5	17,152.8	17,205.1	17,214.3	76.9
RW-4	28,401.5	28,461.5	28,401.5	28,401.5	29,317.3	915.8

TABLE 4
CITY OF ROME, TANNERY ROAD LANDFILL
HISTORICAL LEACHATE GALLONS PUMPED

YEAR	RW-1	RW-2	RW-3	RW-4	TOTAL
1998 (To 12/18/98)	998,300	1,403,300	366,300	328,900	3,096,800
1999 (12/18/98 to 12/20/99)	822,193	1,334,300	318,500	141,000	2,615,993
2000 (12/20/99 to 1/12/01)	724,800	1,351,300	223,200	0	2,299,300
2001 (1/12/01 to 1/16/02)	596,400	1,179,900	297,500	0	2,073,800
2002 (1/16/02 to 1/9/03)	515,900	1,025,600	414,400	299,300	2,255,200
2003 (1/9/03 to 1/29/04)	487,500	1,040,800	632,900	1,497,400	3,658,600
2004 (1/29/04 to 1/20/05)	428,200	1,016,100	384,100	1,004,500	2,832,900
2005 (1/20/05 to (1/17/06)	-28,000	522,300	381,400	622,600	1,526,300
2006 (1/17/06 to (1/19/07)	0	1,132,116	474,600	0	1,606,716
2007 (1/19/07 to (1/23/2008)	-1,200	1,634,700	488,000	0	2,122,700
2008 (1/23/2008 to 1/23/2009)	0	1,162,600	594,500	0	1,757,100
2009 (1/23/2009 to 1/21/2010)	0	1,776,800	522,700	0	2,299,500
2010 (1/21/2010 to 1/31/2011)	0	418,700	454,700	0	873,400
2011 (1/31/2011 to 12/22/2011)	0	2,162,500	356,500	0	2,519,000
2012 (12/22/2011 to 12/06/2012)	0	1,211,900	361,100	0	1,573,000
2013 (12/06/2012 to 12/19/2013)	0	654,700	331,800	0	986,500
2014 (12/19/2013 to 12/4/2014)	0	384,400	459,700	0	844,100
2015 (12/4/2014 to 12/9/2015)	0	786,300	696,600	0	1,482,900
2016 (12/9/2015 to 12/21/2016)	0	1,931,900	294,000	0	2,225,900
2017 (12/21/2016 to 12/27/2017)	0	653,000	196,000	0	849,000
2018 (12/27/2017 to 12/11/2018)	0	1,157,400	900	0	1,158,300
2019 (12/11/2018 to 12/11/2019)	0	1,105,399	31,700	0	1,137,099
2020 (12/11/2019 to 12/30/2020)	0	0	64,200	0	64,200
2021 (12/30/2020 to 12/21/2021)	0	0	281,400	0	281,400
2022 (12/21/2021 to 9/7/2022)	0	0	9,200	0	9,200
2023 (12/14/2022 to 12/28/2023)	0	0	200	0	200
2024 (12/28/2023 to 12/28/2024)	0	0	0	0	0
2025 (12/3/2024 to 12/3/2025)	634	759	71,800	4	73,197
TOTAL	4,573,293	25,046,015	8,636,100	3,893,700	42,149,108



LA DRAVING ROM - TANNERY 2025 GROUNDWATER GROUNDWATER - 03 - 2025.DWG

DATE: 10/13/2025
DRAWN BY: JOE
SCALE: AS SHOWN
REVIEWED BY: TL
PROJECT NO.: 25-3929
FILE:

DELAWARE
ENGINEERING, D.P.C.

CIVIL AND ENVIRONMENTAL ENGINEERING

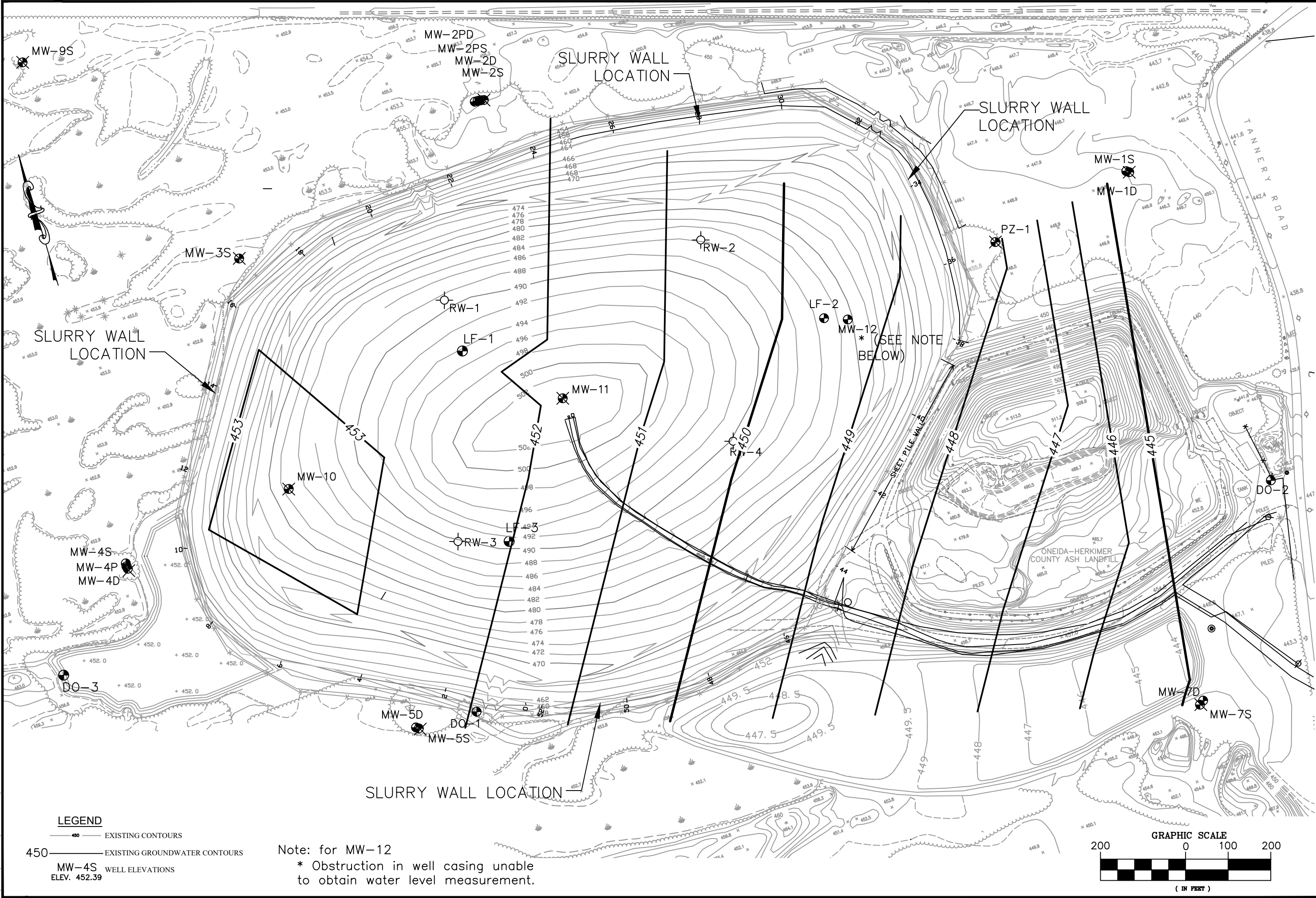
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380 WEST STREET, NEWTON, MA 02459 - 617.552.8073
85 CONANT STREET, ALBANY, NY 12207 - 518.452.9232
16 EAST MARKET STREET, REDHOOK, NY 12571 - 518.452.1290

REVISIONS	
NO.	DATE

TANNERY ROAD LANDFILL
CITY OF ROME, NEW YORK

GROUNDWATER
CONTOUR MAP
SHALLOW OVERBURDEN
DATED: MARCH 2025
GROUNDWATER TABLE

SHEET:
1



LA:\DRAWINGS\ROME-TANNERY\2025 GROUNDWATER\GROUNDWATER_CW_06-2025.DWG

DATE: 10/13/2025
DRAWN BY: JOE
SCALE: AS SHOWN
REVIEWED BY: TL
PROJECT NO.: 25-3829
FILE:

**DELAWARE
ENGINEERING, D.P.C.**
CIVIL AND ENVIRONMENTAL ENGINEERING

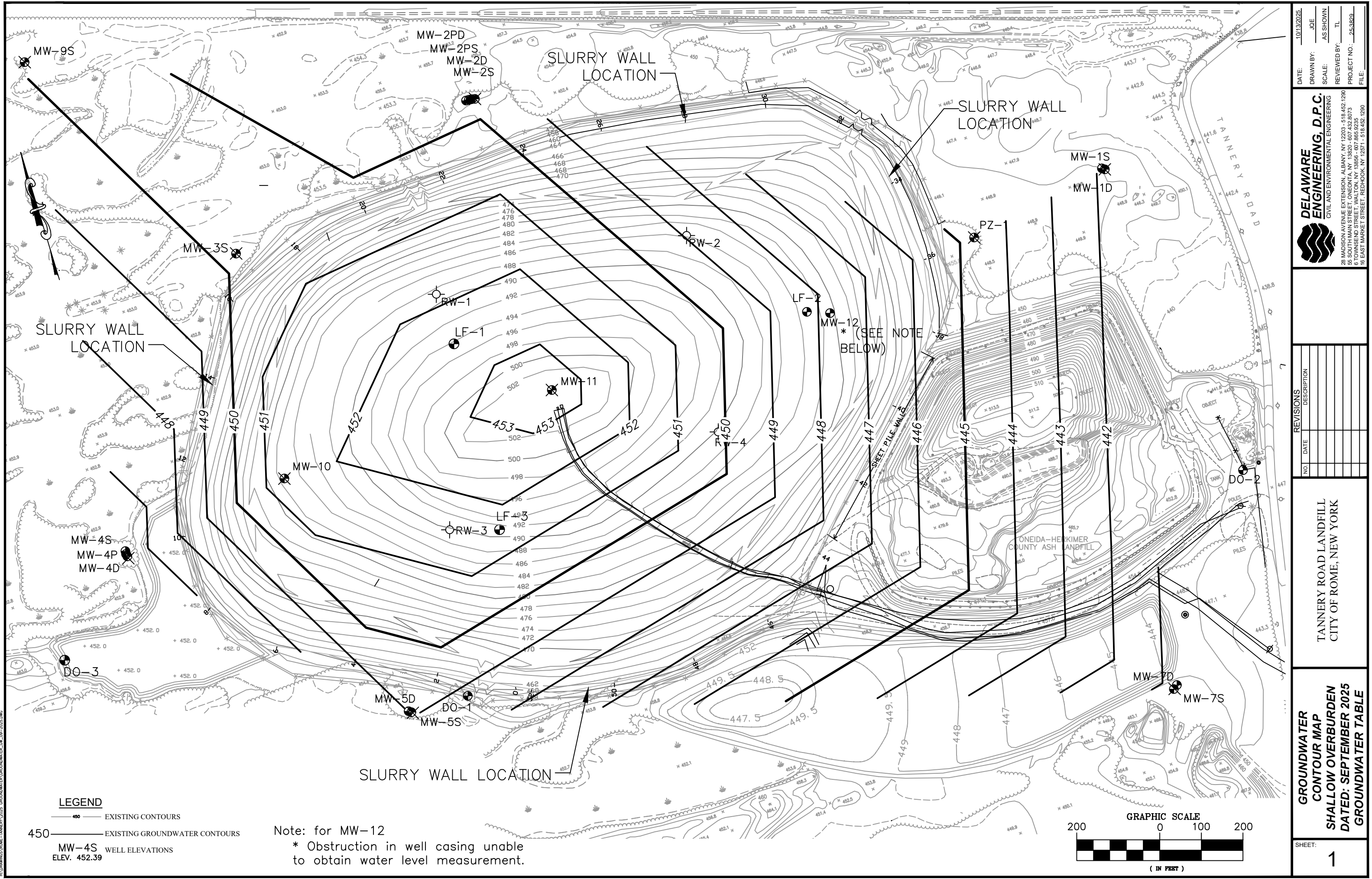
28 MADISON AVENUE EXTENSION, ALBANY, NY 12203 - 518.452.1293
380 WEST 1ST STREET, WESTCAT, NEW YORK, NY 10607 - 800.923.1293
85 CONANT STREET, ALBANY, NY 12207 - 518.452.1293
16 EAST MARKET STREET, REDHOOK, NY 12571 - 518.452.1290

REVISIONS	
NO.	DATE

GROUNDWATER
CONTOUR MAP
SHALLOW OVERBURDEN
DATED: JUNE 2025
GROUNDWATER TABLE

TANNERY ROAD LANDFILL
CITY OF ROME, NEW YORK

SHEET:
1

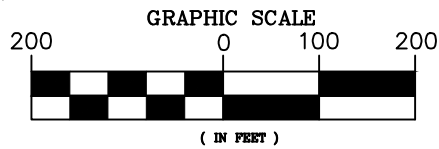


LA:\DRAWINGS\ROME-TANNERY\2025 GROUNDWATER\GROUNDWATER_CW_09-2025.DWG

LEGEND

- 450 ——— EXISTING CONTOURS
- 450 ——— EXISTING GROUNDWATER CONTOURS
- MW-4S WELL ELEVATIONS
ELEV. 452.39

Note: for MW-12
* Obstruction in well casing unable to obtain water level measurement.



DATE: 10/13/2025
DRAWN BY: JOE
SCALE: AS SHOWN
REVIEWED BY: TL
PROJECT NO.: 25-3829
FILE:

DELAWARE
ENGINEERING, D.P.C.
CIVIL AND ENVIRONMENTAL ENGINEERING

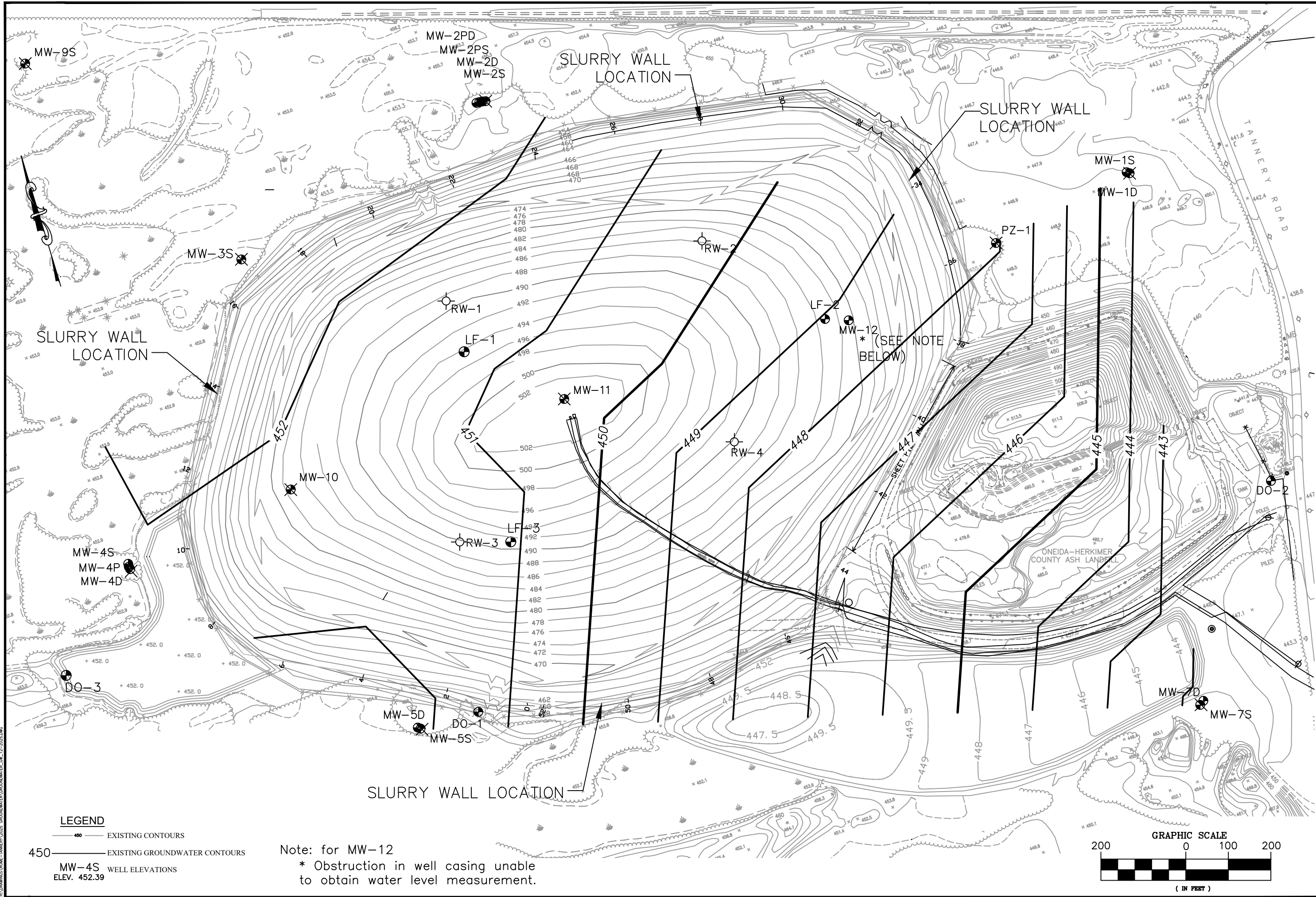
28 MADISON AVENUE EXTENSION, ALBANY, NY 12203 - 518.452.1293
38 CONANT STREET, WESTON, NY 13860 - 518.452.8073
15 CONANT STREET, ALBANY, NY 12204 - 518.452.9232
16 EAST MARKET STREET, REDHOOK, NY 12571 - 518.452.1290

REVISIONS	
NO.	DATE

TANNERY ROAD LANDFILL
CITY OF ROME, NEW YORK

GROUNDWATER
CONTOUR MAP
SHALLOW OVERBURDEN
DATED: SEPTEMBER 2025
GROUNDWATER TABLE

SHEET:
1

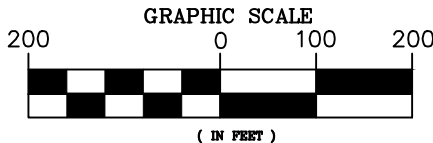


LA DRAVING ROM - TANNERY 2025 GROUNDWATER GROUNDWATER CH 12 - 2025.DWG

LEGEND

- 450 ——— EXISTING CONTOURS
- 450 ——— EXISTING GROUNDWATER CONTOURS
- MW-4S WELL ELEVATIONS
- ELEV. 452.39

Note: for MW-12
* Obstruction in well casing unable to obtain water level measurement.



DATE: 12/5/2025
DRAWN BY: JOE
SCALE: AS SHOWN
REVIEWED BY: TL
PROJECT NO.: 24-2884
FILE:

DELAWARE
ENGINEERING, D.P.C.

CIVIL AND ENVIRONMENTAL ENGINEERING

28 MADISON AVENUE EXTENSION, ALBANY, NY 12203 - 518.452.1293
380 WEST 12TH STREET, NEW YORK, NY 10011 - 212.697.8073
85 CONANT STREET, ALBANY, NY 12207 - 518.452.9232
16 EAST MARKET STREET, REDHOOK, NY 12571 - 518.452.1290

REVISIONS	
NO.	DATE

GROUNDWATER
CONTOUR MAP
SHALLOW OVERBURDEN
DATED: DECEMBER 2025
GROUNDWATER TABLE

TANNERY ROAD LANDFILL
CITY OF ROME, NEW YORK

SHEET:
1

Appendix A

Historical Analytical Data Summary Tables

City of Rome Tannery Road Landfill Monitoring Well MW-1S Ground Water Analytical Data																									
Date	NYSDEC Ground Water Standard	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01	03/28/02	06/17/02	09/24/02	12/18/02	03/12/03	06/25/03	09/17/03	12/16/2003	03/23/04	06/22/04	09/28/04	12/16/04
Field Parameter																									
Conductivity (µmhos/cm)	NS	31	103	398	89	39	39	31	23	23	34	62	37	75	67	190	58	376	21	180	20	24	35	44	73
pH (s.u.)	6.5 - 8.5	8.64	5.97	6.37	7	5.85	7.88	6.45	5.27	6.18	4.95	5.89	6.23	7.7	6.5	7.42		7.5	4.9	6.24	6.5	5.22	5.11	5.3	6.2
Redox	NS																								
Temperature (deg C)	NS	3.2	13.3	15.2	5.9	4.2	13	15.3		3.9	14.7	14.8	6.7	6	12.5	13.7	5.3	7.2	13	13.6	6	4.2	11.5	15	7
Turbidity (NTU)	5	785	925	560	140	222	161	527	195	316	186	88	90	145	68	126	8	65	556	52	50	113	73	29	140
Part 360 Leachate Indicator Parameters																									
Ammonia-Nitrogen (mg/L)	2	<0.5	<0.5	2	<0.3	<0.3	<0.030	<0.030	<0.030	0.073	<0.030	0.089	<0.030	<0.030	<0.030	1.1	<0.030	0.14	<0.03	0.38	<0.03	<0.030	0.059	0.14	<0.03
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	8	<4.0	<2.0	2	<2.0	30	<2.0	<4.0		<4.0	<4.0	<4.0	<4.0	4.6	12	<4.0	8.6	<4	<4.0	<4	<4.0	<4	<4	<4
Bromide (mg/L)	2	<0.2	<2.0	<2.0	<2.0	<2.0	2.5	<0.010	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.12	<0.100	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	52	100	25	14	12	6.7	96	19	36	26	34	14	24	45	66	9.9	<1.0	33	25	35	18	27	7.9	9.7
Chloride (mg/L)	250	<1.0	31	28	3.7	2.3	450	3.3	2.5	2.9	2.4	3.8	2.5	2.7	2.7	6.4	2.6	36	3.8	8.2	2.5	3.4	3.3	2.5	2.7
Color (Pt-Co)	15		46					30					50	20					8					180	
Nitrate-Nitrogen (mg/L)	10	<0.2	<0.2	<0.2	0.4	0.3	0.18	0.1	<0.100	0.15	0.15	0.16	<0.100	0.15	<0.100	0.13	0.14	<0.1	0.15	<0.1	<0.1	0.16	0.17	0.14	<0.1
Sulfate (mg/L)	250	5	10	94	9.8	7.7	4.7	9.7	6.9	6.7	6.8	17	6.2	7	6	13	6.2	<1.0	7.9	15	6.9	7.4	8.2	7.1	6.6
Total Alkalinity (mg/L)	NS	<10.0	37	84	7.8	9	1.9	15	1.2	1.4	2	12	1.9	<1.0	4	64	4	170	4	37	<1	<1.000	6	8	4
Total Cyanide (mg/L)	0.2		<0.010					<0.010					<0.010	<0.010					<0.01					0.01	
Total Dissolved Solids (mg/L)	500	140	140	260	39	30	1,900	26	<4.0	14	56	190	<4.0	170	26	120	42	280	30	120	34	32	20	52	14
Total Hardness (mg/L)	NS	19	120	136	14	23	8	16	7.7	10	8.6	20	9.8	6.6	7.3	60	7.6	210	12	58	<7	7.8	3.7	5.4	<7
Total Kjeldahl Nitrogen (mg/L)	NS	<0.5	2.4	1.3	<0.3	0.6	0.3	1.3	0.39	0.62	0.62	0.6	0.23	0.13	0.42	1.7	0.25	<0.1	0.27	0.58	0.34	0.53	0.69	0.28	0.2
Total Organic Carbon (mg/L)	NS	14	34	7	7.8	15.3	4.4	29	5.5	16	11	13	11.3	8.3	14	26	10	5.5	5.6	10	14	4.1	8.6	3	3.2
Total Phenols (mg/L)	0.001	<0.005	<0.005	<0.001	0.004	0.001	<0.002	0.007	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	0.012	0.003	<0.002	0.0046	<0.002	<0.002	0.0034	<0.002	<0.002	<0.002	<0.002
Part 360 Routine Metals																									
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	3.26	29.1	43.2	4.2	6.7	1.5	3.1	1.4	1.9	1.7	5.7	2.2	1	1.3	18	1.4	62	3.4	18	<1	1.5	1.5	2.2	0.73
Iron (mg/L)	0.3*	16.3	30.5	33.1	3.1	4.3	1.9	17	6.3	8.8	5.6	7.8	3.2	4.5	4.7	50	7.2	2	2.8	8.1	2.7	2.4	2.3	1.1	0.16
Lead (mg/L)	0.025	0.012	0.029	0.01	<0.005	<0.005	<0.010	0.011	<0.010	<0.010	<0.010	<0.010	<1.0	<0.010	<0.010	0.02	<0.010	<0.01	<0.01	0.012	<0.01	<0.010	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	2.7	11.2	6.8	0.94	1.5	<1.0	2	1	1.3	1	1.5	<1.0	<1.0	<1.0	3.9	<1.0	14	<1.0	3.3	<1	<1.0	<1	<1	0.25
Manganese (mg/L)	0.3*	0.257	0.759	1.2	0.17	0.12	0.04	0.23	0.075	0.11	0.093	0.19	0.07	0.11	0.069	0.74	0.045	0.23	0.06	0.45	0.031	0.049	0.1	0.061	0.014
Potassium (mg/L)	NS	1.99	5.39	2.9	0.7	3.3	<1.0	1.2	<1.0	1.1	<1.0	1.2	<1.0	<1.0	<1.0	3.1	<1.0	1.2	<1.0	2.7	<1	<1.0	<1	<1	0.27
Sodium (mg/L)	20	1.2	12.2	9.9	1.8	8.8	1.6	1.2	<1.0	1.2	<1.0	7.5	1.2	2.8	<1.0	4.9	<1.0	12	1.7	12	<1	1.1	1.2	1.2	0.74
Part 360 Additional Baseline Metals																									
Aluminum (mg/L)	NS		32					25					5	8.9					3					2.1	
Antimony (mg/L)	0.003		<0.015					0.012					<0.010	<0.010					<0.01					<0.01	
Arsenic (mg/L)	0.025		0.018					<0.010					<0.010	<0.010					0.013					<0.01	
Barium (mg/L)	1		0.431					<0.2					<0.2	<0.2					<0.2					<0.2	
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.010					<0.010	<0.010					<0.01					<0.01	
Boron (mg/L)	1		<0.100				<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5		<0.01	
Chromium (mg/L)	0.05		0.047					0.01					<0.010	<0.010					<0.01					<0.01	
Chromium, Hexavalent (mg/L)	0.05		<0.010					<0.010					<0.010	<0.010					<0.01					<0.01	
Cobalt (mg/L)	NS		<0.020					<0.010					<0.010	<0.010					<0.01					<0.01	
Copper (mg/L)	0.2		0.041					0.022					<0.010	<0.010					0.012					<0.01	
Mercury (mg/L)	0.0007		<0.0002					0.00053					<0.0002	0.000300					<0.0002					<0.0002	
Nickel (mg/L)	0.1		0.039					0.012					<0.010	<0.010					<0.01					<0.01	
Selenium (mg/L)	0.01		<0.005					<0.010					<0.010	<0.010					<0.01					<0.01	
Silver (mg/L)	0.05		<0.010					<0.010					<0.010	<0.010					<0.01					<0.01	
Thallium (mg/L)	0.0005 (GV)		<0.010					<0.010					<0.010	<0.010					<0.01					<0.01	
Vanadium (mg/L)	NS		0.031					0.012					<0.010	<0.010					<0.01					<0.01	
Zinc (mg/L)	2		0.149					0.1					0.04	0.033					0.094					0.022	
Part 360 Volatile Organics																									
1,1,1,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
1,1,1-Trichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,1,2,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,1,2-Trichloroethane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	

City of Rome Tannery Road Landfill Monitoring Well MW-1S Ground Water Analytical Data																									
Date	NYSDEC Ground Water Standard	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01	03/28/02	06/17/02	09/24/02	12/18/02	03/12/03	06/25/03	09/17/03	12/16/2003	03/23/04	06/22/04	09/28/04	12/16/04
1,1-Dichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,1-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,2,3-Trichloropropane (µg/L)	0.04												<5.0	<5.0					<5					<1	
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<10.0					<5.0					<5.0	<5.0					<5					<1	
1,2-Dibromoethane (EDB) (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
1,2-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1	
1,2-Dichloroethane (µg/L)	0.6		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,2-Dichloropropane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,4-Dichlorobenzene (µg/L)	3		<5.0					<10.0					<10.0	<10.0					<5					<1	
2-Butanone (MEK) (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10	
2-Hexanone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10	
4-Methyl 2-pentanone (µg/L)	NS		<10.0					<10.0					<20.0	<20.0				<10	<10					<10	
Acetone (µg/L)	50 (GV)		<10.0					<20.0					<5.0	<5.0				11	<10					<10	
Acrylonitrile (µg/L)	5		<100					<5.0					<5.0	<5.0					<20					<5	
Benzene (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Bromochloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
Bromodichloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Bromoform (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Bromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Carbon disulfide (µg/L)	60 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Carbon tetrachloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Chlorobenzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Dibromomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<5					<1	
Ethyl benzene (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<5	<5					<1	
Iodomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<10					<10	
Methylene Chloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<10	<10					<10	
Styrene (µg/L)	5							<5					<5	<5				<5	<5					<1	
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<50.0					<50.0	<10.0				<5	<5					<1	
trans-1,4-Dichloro-2-butene (µg/L)	5							<50					<50	<10					<10					<10	
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20					<5	
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Xylenes (Total) (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,2-Dichloroethene - Total	5																	<5							

- Notes
- 1) < indicates not detected at or above the listed value

2) NS indicates that no standard has been promulgated.

3) * indicates that the sum of these two analytes may not exceed 500 µg/L.

4) GV indicates that the value listed is a guidance value rather than a standard.

5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.

6) ** Indicates standard applies to the sum of the isomers

City of Rome Tannery Road Landfill Monitoring Well MW-1S Ground Water Analytical Data																								
Date	NYSDEC Ground Water Standard	03/22/05	06/28/05	09/27/05	12/06/05	03/28/06	06/28/06	09/26/06	12/13/06	03/15/07	06/21/07	09/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008	12/15/20008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010
Field Parameter																								
Conductivity (µmhos/cm)	NS	51	71	130	40	20	230	47	20	19	23	62	18	18	18	44	152	18	28	76	17	25	14	43
pH (s.u.)	6.5 - 8.5	6.66	6.2	6.8	7.4	5.9	6.2	7.07	5.64	5.02	5.44	5.7	5.34	5.43	5.23	6.26	6.84	5.58	5.16	5.75	6.75	5.98	6.66	6.74
Redox	NS										63													
Temperature (deg C)	NS	4.3		12	6	5	16	13.6	8.6	3.7	12.5	12.5	5.6	4.6	11.6	13.7	5.7	4.3	12	12	7	5.3	12.1	13.6
Turbidity (NTU)	5	124	120	5	68	218	3	-	65	0	119	116	57	30	83	4	4	50	18	91	10	59	16	88
Part 360 Leachate Indicator Parameters																								
Ammonia-Nitrogen (mg/L)	2	0.09	<0.03	1.3	<0.03	0.046	<0.030	0.27	0.054	<0.03	0.85	0.3	<0.03	0.085	<0.03	0.55	<0.03	<0.03	0.044	0.38	<0.030	<0.1	<0.1	0.2
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4.0	<4.0	<4.0	<4	<4	<4.0	<4	<4	<4	<4	6	<4	<5	<4	<4	<4	<4	<4	<4.0	<4.0	<2.0	<2.0	<4.0
Bromide (mg/L)	2	<0.1	<0.1	0.14	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<1.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	22	27	30	15	12	<5.0	23	11	9.6	11	31	14	<5	<5	<5	25	<5	<5	16	<5.0	21.4	<5.0	22
Chloride (mg/L)	250	2.1	2.7	4.1	<1.0	<0.01	2.3	4.5	3.2	2.4	3.4	4.4	3.4	<2	2.9	2.5	2.8	2.9	2.6	2.7	2.5	1.2	<1.0	<1.0
Color (Pt-Co)	15				160	100					80					30					<5	<5.0		
Nitrate-Nitrogen (mg/L)	10	<0.1	0.12	0.18	<0.1	<0.1	<0.10	0.11	<0.1	<0.1	<0.1	0.11	<0.1	0.048	0.15	0.22	<0.1	<0.1	<0.1	0.25	<0.1	<0.020	<0.020	0.08
Sulfate (mg/L)	250	7.3	6.8	6.4	6.6	9	6.1	8.2	7.5	7.8	8.8	4.9	6.3	5.5	7.2	6.7	5.8	<1	6.2	6.5	6	4.6	4.45	6.12
Total Alkalinity (mg/L)	NS	4	3	48	1	2	2	46	4	2	4	18	<1	3	4	13	2	2	<3	19	<3.0	2	3	12
Total Cyanide (mg/L)	0.2				<0.01	<0.01					0.011					<0.01					<0.01	<0.010		
Total Dissolved Solids (mg/L)	500	14	50	88	36	20	20	54	34	12	52	74	12	<10	32	90	20	20	<10	40	<10	20	107	30
Total Hardness (mg/L)	NS	<7.0	7	7	6.3	<7	<7.0	26	<7	<7	33	25	<7	<7	<7	12	<7	<7	<7	26	<7.0	3	<5.0	16
Total Kjeldahl Nitrogen (mg/L)	NS	0.32	0.66	0.66	0.27	0.17	0.37	0.73	0.32	0.2	1.1	1	0.35	0.18	2.4	1.2	0.4	0.2	0.21	1.1	0.35	<1.0	<1.0	<1.0
Total Organic Carbon (mg/L)	NS	5.5	8.3	11	3.4	6.3	3.8	7.8	3.1	2.4	3.1	11	4.8	2.5	4.2	6.5	2	3.6	2.6	18	3.2	5.7	3.7	9.6
Total Phenols (mg/L)	0.001	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.05	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	0.0039	<0.003	<0.003	<0.003	0.0043	<0.003	<0.002	<0.002	<0.002
Part 360 Routine Metals																								
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	0.00027	<0.005	<0.005
Calcium (mg/L)	NS	<1.0	2.8	15	1.7	1.5	<1.0	8.1	1.2	<1	3.5	8.1	1.3	1.2	1.4	5	<1	1.1	70	8.1	<1.0	0.572	0.572	5.12
Iron (mg/L)	0.3*	4.2	5.9	13	3.2	1.9	1.9	5.1	0.54	2.2	2	17	3.3	2.5	1.7	3.6	1.5	1.3	41	5.7	1.7	1.91	2.43	7.35
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.017	<0.010	<0.01	<0.002	<0.005	<0.005
Magnesium (mg/L)	35 (GV)	<1.0	<1.0	2.6	<1	<1	<1.0	1.3	<1	<1	<1	1.1	<1	<1	<1	<1	<1	<1	16	1.4	<1.0	0.351	0.38	0.717
Manganese (mg/L)	0.3*	0.049	0.1	0.54	0.046	<0.01	0.033	<0.01	0.063	0.041	0.14	0.62	0.074	0.06	0.058	0.36	0.018	0.042	0.73	0.31	0.02	0.02	0.025	0.221
Potassium (mg/L)	NS	<1.0	<1.0	2.9	<1	<1	<1.0	1.6	<1	<1	1.2	1.2	<1	<1	<1	0.83	6	<1	28	<1.0	<1.0	0.179	0.242	0.591
Sodium (mg/L)	20	<1.0	<1.0	2.5	1	1.1	1.3	<1	<1	1	2.5	<1	<1	<1	<1	<1	1.1	<1	31	<1.0	<1.0	0.431	0.432	0.518
Part 360 Additional Baseline Metals																								
Aluminum (mg/L)	NS				2.8	3.3					1.6					2.3					1.3	1.87		
Antimony (mg/L)	0.003				<0.01	<0.01					<0.01					<0.01					<0.01	<0.020		
Arsenic (mg/L)	0.025				<0.01	<0.01					<0.01					<0.01					<0.01	<0.002		
Barium (mg/L)	1				<0.1	<0.2					<0.2					<0.2					<0.1	0.007		
Beryllium (mg/L)	0.003 (GV)				<0.01	<0.01					<0.01					<0.01					<0.01	<0.00014		
Boron (mg/L)	1				<0.5	<0.5					<0.5					<0.5					<0.5	0.002		
Chromium (mg/L)	0.05				<0.01	<0.01					<0.01					<0.01					<0.01	<0.005		
Chromium, Hexavalent (mg/L)	0.05				<0.01	3.3					<0.01					<0.01					<0.01	<0.020		
Cobalt (mg/L)	NS				<0.01	<0.01					<0.01					<0.01					<0.01	0.001		
Copper (mg/L)	0.2				<0.01	<0.01					<0.04					<0.01					<0.01	<0.003		
Mercury (mg/L)	0.0007				0.00042	<0.0002					<0.0002					<0.0002					<0.0002	<0.00007		
Nickel (mg/L)	0.1				<0.01	<0.01					<0.01					<0.01					<0.01	0.001		
Selenium (mg/L)	0.01				<0.01	<0.01					<0.01					<0.01					<0.01	<0.003		
Silver (mg/L)	0.05				<0.01	<0.01					0.038					<0.01					<0.01	<0.003		
Thallium (mg/L)	0.0005 (GV)				0.02	0.024					<0.01					<0.01					<0.02	0.004		
Vanadium (mg/L)	NS				<0.01	<0.01					<0.01					<0.01					<0.01	<0.005		
Zinc (mg/L)	2				0.027	0.021					<0.43					0.041					0.024	0.01		
Part 360 Volatile Organics																								
1,1,1,2-Tetrachloroethane (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0		
1,1,1-Trichloroethane (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0		
1,1,2,2-Tetrachloroethane (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0		
1,1,2-Trichloroethane (µg/L)	1				<1	<1					<1.0					<1					<1	<5.0		

City of Rome Tannery Road Landfill Monitoring Well MW-1S Ground Water Analytical Data																								
Date	NYSDEC Ground Water Standard	03/22/05	06/28/05	09/27/05	12/06/05	03/28/06	06/28/06	09/26/06	12/13/06	03/15/07	06/21/07	09/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008	12/15/20008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010
1,1-Dichloroethane (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
1,1-Dichloroethene (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
1,2,3-Trichloropropane (µg/L)	0.04				<1	<1					<1.0					<1					<1		<5.0	
1,2-Dibromo-3-chloropropane (µg/L)	0.04				<1	<1					<1.0					<1					<1		<10	
1,2-Dibromoethane (EDB) (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
1,2-Dichlorobenzene (µg/L)	3				<1	<1					<1.0					<1					<1		<5.0	
1,2-Dichloroethane (µg/L)	0.6				<1	<1					<1.0					<1					<1		<5.0	
1,2-Dichloropropane (µg/L)	1				<1	<1					<1.0					<1					<1		<5.0	
1,4-Dichlorobenzene (µg/L)	3				<1	<1					<1.0					<1					<1		<5.0	
2-Butanone (MEK) (µg/L)	50 (GV)				<5	<5					<5.0					<10					<10		<10	
2-Hexanone (µg/L)	50 (GV)				<5	<5					<5.0					<10					<10		<10	
4-Methyl 2-pentanone (µg/L)	NS				<5	<5					<5.0					<10					<10		<10	
Acetone (µg/L)	50 (GV)				<10	<5					<5.0					<10					<10		<10	
Acrylonitrile (µg/L)	5				<20	<20					<20					<20					<20		<25	
Benzene (µg/L)	1				<1	<1					<1.0					<1					<1		<5.0	
Bromochloromethane (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
Bromodichloromethane (µg/L)	50 (GV)				<1	<1					<1.0					<1					<1		<5.0	
Bromoform (µg/L)	50 (GV)				<1	<1					<1.0					<1					<1		<5.0	
Bromomethane (µg/L)	5				<1	<1					<1.0					<1					<1		<10	
Carbon disulfide (µg/L)	60 (GV)				<1	<1					<1.0					<1					<1		<5.0	
Carbon tetrachloride (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
Chlorobenzene (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
Chloroethane (µg/L)	5				<1	<1					<1.0					<1					<1		<10	
Chloroform (µg/L)	7				<1	<1					<1.0					<1					<1		<5.0	
Chloromethane (µg/L)	5				<1	<1					<1.0					<1					<1		<10	
cis-1,2-Dichloroethene (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
cis-1,3-Dichloropropene (µg/L)	0.4**				<1	<1					<1.0					<1					<1		<5.0	
Dibromochloromethane (µg/L)	50 (GV)				<1	<1					<1.0					<1					<1		<5.0	
Dibromomethane (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
Ethyl benzene (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
Iodomethane (µg/L)	5				<5	<5					<5.0					<5					<5		<10	
Methylene Chloride (µg/L)	5				<5	<1					<1.0					<1					<1		<5.0	
Styrene (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
Tetrachloroethene (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
Toluene (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
trans-1,2-Dichloroethene (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
trans-1,3-Dichloropropene (µg/L)	0.4**				<1	<1					<1.0					<1					<1		<5.0	
trans-1,4-Dichloro-2-butene (µg/L)	5				<5	<5					<5.0					<5					<5		<10	
Trichloroethene (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
Trichlorofluoromethane (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
Vinyl Acetate (µg/L)	NS				<5	<5					<5.0					<5					<5		<10	
Vinyl Chloride (µg/L)	2				<1	<1					<1.0					<1					<1		<10	
Xylenes (Total) (µg/L)	5				<1	<1					<1.0					<1					<1		<5.0	
1,2-Dichloroethene - Total	5																							
Notes 1) < indicates not detected at or above the listed value 2) NS indicates that no standard has been promulgated. 3) * indicates that the sum of these two analytes may not exceed 500 µg/L. 4) GV indicates that the value listed is a guidance value rather than a standard. 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value. 6) ** Indicates standard applies to the sum of the isomers																							Notes 1) < indicates not detected at or above the listed value 2) NS indicates that no standard has been promulgated. 3) * indicates that the sum of these two analytes may not exceed 500 µg/L. 4) GV indicates that the value listed is a guidance value rather than a standard. 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value. 6) ** Indicates standard applies to the sum of the isomers	

City of Rome Tannery Road Landfill Monitoring Well MW-1S Ground Water Analytical Data														
Date	NYSDEC Ground Water Standard	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021	6/21/2022	9/27/2023	12/3/2024
Field Parameter														
Conductivity (µmhos/cm)	NS	19	25	24	20	20	20	20	40	18.9	19	19	51.4	754.2
pH (s.u.)	6.5 - 8.5	5.69	7.05	7.65	5.9	6.1	6.65	5.1	6.1	6.67	5.41	5.04	6.13	6.38
Redox	NS						282.4			110	281.3	234.5	74.8	111.3
Temperature (deg C)	NS	5.8	3.7	12.2	13	7	5.9	12	15	6.6	5	11.4	13.0	8.17
Turbidity (NTU)	5	0	87	87	110	140	130	180	260	180	24.8	160.9	154.47	19.80
Part 360 Leachate Indicator Parameters														
Ammonia-Nitrogen (mg/L)	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<0.1	<0.1
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	2.4	<4.0	<4.0	<4.0	<4.0	<4
Bromide (mg/L)	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<1.0	<2.0	<2
Chemical Oxygen Demand (mg/L)	NS	13	9	<5.0	57	38	13	34	46	17	13	49	26	17
Chloride (mg/L)	250	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2	<2
Color (Pt-Co)	15		<5.0	10	<5.0	5	5	10	65	5	8	20	8	6
Nitrate-Nitrogen (mg/L)	10	<0.02	0.03	<0.02	0.03	0.04	<0.04	<0.04	0.05	<0.04	0.06	<0.04	<0.04	<0.04
Sulfate (mg/L)	250	6.08	5.54	9.17	4.07	6.1	5.84	6.52	4.3	4.55	4.48	4.95	4.76	<4
Total Alkalinity (mg/L)	NS	3	4	2	1	1	2	4	26	3	2	7	30	17
Total Cyanide (mg/L)	0.2		<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Dissolved Solids (mg/L)	500	28	45	<10.0	<5.0	<5.0	<5.0	55	105	10	<5.0	<5.0	15	<5
Total Hardness (mg/L)	NS	6	6	3	4	<5.0	<5.0	8	32	<5.0	6	<5.0	27	16
Total Kjeldahl Nitrogen (mg/L)	NS	<1.0	<1.0	<1.0	1.4	<1.0	1.7	9	1.4	<1.0	1.7	<1.0	<1	<1
Total Organic Carbon (mg/L)	NS	4	3.6	4.2	2.4	26	2.3	4.6	15.6	3.2	9.2	11.9	7.7	8.8
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	0.008	<0.004	<0.004	<0.004	<0.004
Part 360 Routine Metals														
Cadmium (mg/L)	0.005	<0.005	0.00048	<0.00021	0.00023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (mg/L)	NS	1.9	1.7	0.697	1.13	1.22	1.1	2.4	10.1	1.06	1.63	0.913	8.76	5.19
Iron (mg/L)	0.3*	1.25	0.819	1.61	1.32	1.02	0.435	0.954	2.89	0.435	1.28	1.86	3.07	3.68
Lead (mg/L)	0.025	<0.005	<0.0019	<0.0018	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	35 (GV)	0.333	0.326	0.366	0.354	0.099	0.289	0.571	1.66	0.333	0.34	0.362	1.23	0.764
Manganese (mg/L)	0.3*	0.032	0.0229	0.0195	0.024	<0.02	<0.02	0.028	0.195	<0.02	0.025	<0.02	0.148	0.076
Potassium (mg/L)	NS	0.167	0.197	0.203	0.263	<0.05	0.13	0.321	1.24	0.1	0.11	0.296	0.776	0.462
Sodium (mg/L)	20	0.46	0.665	0.448	0.649	0.41	0.865	0.69	1.61	5.43	0.764	0.357	1.2	0.993
Part 360 Additional Baseline Metals														
Aluminum (mg/L)	NS		2.4	2.68	10.3	11.4	1.28	4.04	4.23	2.5	2.99	6.09	2.54	1.51
Antimony (mg/L)	0.003		<0.0196	<0.0011	<0.002	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025		0.0025	<0.0022	<0.002	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005
Barium (mg/L)	1		0.0075	0.0116	0.015	0.024	<0.01	0.012	0.015	<0.01	<0.01	<0.01	0.014	0.017
Beryllium (mg/L)	0.003 (GV)		0.00017	<0.00016	<0.0001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron (mg/L)	1		0.0049	0.0045	0.005	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium (mg/L)	0.05		0.0063	<0.0051	<0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent (mg/L)	0.05		<0.020	<0.02	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02 J	<0.02	<0.02
Cobalt (mg/L)	NS		0.0012	0.0013	0.001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper (mg/L)	0.2		0.0028	<0.0025	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury (mg/L)	0.0007		<0.00006	<0.0001	<0.15	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1		0.0011	0.0015	0.0019	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01		0.004	0.0018	<0.003	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver (mg/L)	0.05		<0.0028	<0.0014	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)		0.0062	0.0057	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium (mg/L)	NS		0.0077	<0.0054	<0.011	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc (mg/L)	2		0.0253	0.0235	0.026	0.037	0.023	0.059	0.014	0.018	0.029	0.038	0.014	0.026
Part 360 Volatile Organics														
1,1,1,2-Tetrachloroethane (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,1,1-Trichloroethane (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1,2,2-Tetrachloroethane (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1,2-Trichloroethane (µg/L)	1		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5

City of Rome Tannery Road Landfill Monitoring Well MW-1S Ground Water Analytical Data														
Date	NYSDEC	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021	6/21/2022	9/27/2023	12/3/2024
Ground Water Standard														
1,1-Dichloroethane (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1-Dichloroethene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2,3-Trichloropropane (µg/L)	0.04		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,2-Dichlorobenzene (µg/L)	3		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloroethane (µg/L)	0.6		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloropropane (µg/L)	1		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,4-Dichlorobenzene (µg/L)	3		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
2-Butanone (MEK) (µg/L)	50 (GV)		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone (µg/L)	50 (GV)		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone (µg/L)	50 (GV)		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile (µg/L)	5		<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Benzene (µg/L)	1		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromochloromethane (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromodichloromethane (µg/L)	50 (GV)		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromoform (µg/L)	50 (GV)		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromomethane (µg/L)	5		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Carbon tetrachloride (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chlorobenzene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chloroethane (µg/L)	5		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform (µg/L)	7		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chloromethane (µg/L)	5		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Dibromochloromethane (µg/L)	50 (GV)		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Dibromomethane (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Ethyl benzene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Iodomethane (µg/L)	5		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Styrene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Tetrachloroethene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Toluene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,2-Dichloroethene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,4-Dichloro-2-butene (µg/L)	5		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Trichloroethene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Trichlorofluoromethane (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Vinyl Acetate (µg/L)	NS		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride (µg/L)	2		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes (Total) (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloroethene - Total	5													

ected at or above the listed value
o standard has been promulgated.
sum of these two analytes may not exceed 500 µg/L.
he value listed is a guidance value rather than a standard.
eeded the applicable NYSDEC ground water standard/guidance value.
rd applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	3/12/2003	6/22/2004	9/28/2004	12/16/2004	3/22/2005	6/28/2005	9/27/2005	12/6/2005	3/28/2006	6/28/2006	9/26/2006	12/13/2006	3/15/2007	6/21/2007	9/25/2007
Field Parameters																
Conductivity (µmhos/cm)	NS	381	270	253	300	235	288	245	270	240	480	353	203	295	221	165
pH (s.u.)	6.5 - 8.5	6.7	6.73	6.98	6.8	7.62	6.96	7.45	6.7	7.3	8	7.8	6.72	7.01	7.32	7.1
Redox	NS														-118	
Temperature (deg C)	NS	6.3	12	13.7	8	7.6		11.5	9	9	12	11.2	10.5	7.5	11	11.8
Turbidity (NTU)	5	202	138	125	150	39	100	30	38	48	28	-	6	0	67	16
Dissolved Oxygen (mg/L)	NS														3.58	
Part 360 Leachate Indicator Parameters																
Ammonia-Nitrogen (mg/L)	2	11	7.5	2.5	1.6	6.1	4.6	6.5	5.3	4.5	5.4	11	3.3	5.8	4.2	0.8
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<10.0	7.3	7.5	4.7	<4.0	<4.0	4.5	<4	<4	<4.0	5.5	<4	<20	<4	8.4
Bromide (mg/L)	2	<0.1	<0.1	0.12	<0.1	<0.1	0.14	0.14	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	10	43	32	26	29	27	26	13	68	23	31	26	23	24	21
Chloride (mg/L)	250	4.4	4.5	3.8	3.3	4	3.3	4.2	3.9	3.7	3.9	5.2	3.1	3.6	3.6	2.5
Color (Pt-Co)	15			650					100	300					160	
Nitrate-Nitrogen (mg/L)	10	0.16	0.15	0.17	1.6	0.15	0.16	0.28	<0.1	<0.1	<0.10	<0.1	<0.1	0.1	0.1	0.55
Sulfate (mg/L)	250	77	38	33	22	30	24	31	32	24	23	37	15	23	18	10
Total Alkalinity (mg/L)	NS	100	92	74	66	88	80	80	84	84	120	130	82	120	120	77
Total Cyanide (mg/L)	0.2			<0.01					<0.01	<0.01					<0.01	
Total Dissolved Solids (mg/L)	500	300	140	160	120	160	140	170	210	150	160	150	150	160	160	130
Total Hardness (mg/L)	NS	130	100	90	69	89	73	80	93	87	110	110	78	97	150	73
Total Kjeldahl Nitrogen (mg/L)	NS	13	8.4	5	1.9	7.2	4.4	6.5	3.3	3.1	4.9	11	4.9	5.8	4.7	1.4
Total Organic Carbon (mg/L)	NS	13	9.1	8	7.9	7.6	2.3	10	8	7.3	8.1	9.4	7.3	8	8.5	7.5
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<0.002	<0.01	0.0032	<0.002	0.0035	0.0023	<0.002	<0.002	<0.05	<0.002	<0.003	<0.003
Part 360 Routine Metals																
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	44	34	29	23	30	24	26	32	29	37	38	26	33	27	24
Iron (mg/L)	0.3*	21	12	11	3.1	13	7.4	8.8	11	9.9	14	10	8.1	9.7	9.1	2.1
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.01	<0.01	0.022	0.018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	6.3	4.1	3.9	3	3.6	3.2	3.8	3.3	3.2	4.4	4.4	2.9	3.8	3.4	3.3
Manganese (mg/L)	0.3*	1.5	1	1.1	0.97	0.96	0.87	0.93	0.89	0.84	1	<0.01	0.7	0.87	0.86	0.75
Potassium (mg/L)	NS	21	13	17	12	12	11	12	11	11	12	15	6.6	12	11	7.6
Sodium (mg/L)	20	5.7	2.4	3	2.7	1.4	2.2	2.2	2.6	2.5	3.7	4.5	1.5	2.7	2.7	1.7
Part 360 Additional Baseline Metals																
Aluminum (mg/L)	NS			0.37					0.26	0.25					0.23	
Antimony (mg/L)	0.003			<0.01					<0.01	<0.01					<0.01	
Arsenic (mg/L)	0.025			0.011					<0.01	<0.01					<0.01	
Barium (mg/L)	1			0.23					0.23	0.2					<0.2	
Beryllium (mg/L)	0.003 (GV)			<0.01					<0.01	<0.01					<0.01	
Boron (mg/L)	1			0.089					<0.5	<0.5					<0.5	
Chromium (mg/L)	0.05			<0.01					<0.01	<0.01					<0.01	
Chromium, Hexavalent (mg/L)	0.05			<0.01					<0.01	<0.01					<0.01	
Cobalt (mg/L)	NS			<0.01					<0.01	<0.01					<0.01	
Copper (mg/L)	0.2			<0.01					<0.01	<0.01					<0.04	
Mercury (mg/L)	0.0007			<0.0002					<0.0002	<0.0002					<0.0002	
Nickel (mg/L)	0.1			<0.01					<0.01	<0.01					<0.01	
Selenium (mg/L)	0.01			<0.01					<0.01	<0.01					<0.01	
Silver (mg/L)	0.05			<0.01					<0.01	<0.01					0.049	
Thallium (mg/L)	0.0005 (GV)			<0.01					<0.01	0.013					<0.01	
Vanadium (mg/L)	NS			0.012					<0.01	<0.01					<0.01	
Zinc (mg/L)	2			0.017					<0.01	0.021					0.023	
Part 360 Volatile Organics																
1,1,1,2-Tetrachloroethane (µg/L)	5	<5		<1					<1	<1					<1.0	
1,1,1-Trichloroethane (µg/L)	5	<5		<1					<1	<1					<1.0	
1,1,2,2-Tetrachloroethane (µg/L)	5	<5		<1					<1	<1					<1.0	
1,1,2-Trichloroethane (µg/L)	1	<5		<1					<1	<1					<1.0	

City of Rome
Tannery Road Landfill
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	3/12/2003	6/22/2004	9/28/2004	12/16/2004	3/22/2005	6/28/2005	9/27/2005	12/6/2005	3/28/2006	6/28/2006	9/26/2006	12/13/2006	3/15/2007	6/21/2007	9/25/2007
1,1-Dichloroethane (µg/L)	5	<5		<1					<1	<1					<1.0	
1,1-Dichloroethene (µg/L)	5	<5		<1					<1	<1					<1.0	
1,2,3-Trichloropropane (µg/L)	0.04	<5		<1					<1	<1					<1.0	
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<5		<1					<1	<1					<1.0	
1,2-Dibromoethane (EDB) (µg/L)	5	<5		<1					<1	<1					<1.0	
1,2-Dichlorobenzene (µg/L)	3	<5		<1					<1	<1					<1.0	
1,2-Dichloroethane (µg/L)	0.6	<5		<1					<1	<1					<1.0	
1,2-Dichloropropane (µg/L)	1	<5		<1					<1	<1					<1.0	
1,4-Dichlorobenzene (µg/L)	3	<5		<1					<1	<1					<1.0	
2-Butanone (MEK) (µg/L)	50 (GV)	<10		<10					<5	<5					<5.0	
2-Hexanone (µg/L)	50 (GV)	<10		<10					<5	<5					<5.0	
4-Methyl 2-pentanone (µg/L)	NS	<10		<10					<5	<5					<5.0	
Acetone (µg/L)	50 (GV)	<10		<10					<10	<5					<5.0	
Acrylonitrile (µg/L)	5	<5		<5					<20	<20					<20	
Benzene (µg/L)	1	<5		<1					<1	<1					<1.0	
Bromochloromethane (µg/L)	5	<5		<1					<1	<1					<1.0	
Bromodichloromethane (µg/L)	50 (GV)	<5		<1					<1	<1					<1.0	
Bromoform (µg/L)	50 (GV)	<5		<1					<1	<1					<1.0	
Bromomethane (µg/L)	5	<5		<1					<1	<1					<1.0	
Carbon disulfide (µg/L)	60 (GV)	<5		<1					<1	<1					<1.0	
Carbon tetrachloride (µg/L)	5	<5		<1					<1	<1					<1.0	
Chlorobenzene (µg/L)	5	<5		<1					<1	<1					<1.0	
Chloroethane (µg/L)	5	<5		<1					<1	<1					<1.0	
Chloroform (µg/L)	7	<5		<1					<1	<1					<1.0	
Chloromethane (µg/L)	5	<5		<1					<1	<1					<1.0	
cis-1,2-Dichloroethene (µg/L)	5	<5		<1					<1	<1					<1.0	
cis-1,3-Dichloropropene (µg/L)	0.4**	<5		<1					<1	<1					<1.0	
Dibromochloromethane (µg/L)	50 (GV)	<5		<1					<1	<1					<1.0	
Dibromomethane (µg/L)	5	<5		<1					<1	<1					<1.0	
Ethyl benzene (µg/L)	5	<5		<1					<1	<1					<1.0	
Iodomethane (µg/L)	5	<5		<10					<5	<5					<5.0	
Methylene Chloride (µg/L)	5	<10		<10					<5	<1					<1.0	
Styrene (µg/L)	5	<5		<1					<1	<1					<1.0	
Tetrachloroethene (µg/L)	5	<5		<1					<1	<1					<1.0	
Toluene (µg/L)	5	<5		<1					<1	<1					<1.0	
trans-1,2-Dichloroethene (µg/L)	5	<5		<1					<1	<1					<1.0	
trans-1,3-Dichloropropene (µg/L)	0.4**	<5		<1					<1	<1					<1.0	
trans-1,4-Dichloro-2-butene (µg/L)	5	<5		<10					<5	<5					<5.0	
Trichloroethene (µg/L)	5	<5		<1					<1	<1					<1.0	
Trichlorofluoromethane (µg/L)	5	<5		<1					<1	<1					<1.0	
Vinyl Acetate (µg/L)	NS	<5		<5					<5	<5					<5.0	
Vinyl Chloride (µg/L)	2	<5		<1					<1	<1					<1.0	
Xylenes (Total) (µg/L)	5	<5		<1					<1	<1					<1.0	
1,2-Dichloroethene - Total	5	<5														

Notes

- 1) < indicates not detected at or above the listed value
- 2) NS indicates that no standard has been promulgated.
- 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
- 4) GV indicates that the value listed is a guidance value rather than a standard.
- 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
- 6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	12/17/2007	3/27/2008	6/19/2008	9/23/2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013
Field Parameters																	
Conductivity (µmhos/cm)	NS	180	161	192	228	211	162	139	147	230	194	213	230	174	194	167	140
pH (s.u.)	6.5 - 8.5	7.06	7.34	7.3	7.39	7.35	6.8	6.89	6.92	6.97	7.06	6.41	7.56	7.1	6.39	6.66	5.1
Redox	NS																
Temperature (deg C)	NS	8.7	8.1	10.4	10.8	8.4	8.1	12.5	11	8.8	7	10.1	10.4	9	7.1	10.6	13
Turbidity (NTU)	5	6	16	97	0	8	22	8	9	0	121	0	35	0	39	0	8
Dissolved Oxygen (mg/L)	NS																
Part 360 Leachate Indicator Parameters																	
Ammonia-Nitrogen (mg/L)	2	1.4	1.3	2.8	4.9	0.28	1.6	0.89	<0.030	4.3	1.63	2.6	3.3	1.2	1	0.9	0.2
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4	<5	<4	<4	<4	<4	5.6	<4.0	<4.0	6	<2.0	<12	<4.0	<4.0	<4.0	5
Bromide (mg/L)	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	28	<5	19	24	29	14	7.5	8.9	9.3	20	13	22	13	22	23	24
Chloride (mg/L)	250	2.8	<2	3.6	3.9	3.1	2.8	2.8	2.6	4.5	1.6	4.77	3.38	1.42	1.23	<1.0	<1.0
Color (Pt-Co)	15				100					120	70				>70	>70	60
Nitrate-Nitrogen (mg/L)	10	<0.1	<0.04	<0.1	0.17	0.58	<0.1	0.23	0.43	<0.1	0.13	<0.020	<0.020	<0.02	0.03	<0.02	0.03
Sulfate (mg/L)	250	2.3	12	14	16	10	11	9.9	10	13	14.7	13.6	15	13.6	11.4	8.28	8.61
Total Alkalinity (mg/L)	NS	83	95	120	150	130	74	85	92	86	75	100	104	80	56	86	60
Total Cyanide (mg/L)	0.2				<0.01					<0.01	<0.010				<0.01	<0.01	<0.010
Total Dissolved Solids (mg/L)	500	120	100	130	210	110	110	110	96	140	120	8	172	130	145	100	90
Total Hardness (mg/L)	NS	74	68	86	98	83	69	71	70	91	74	107	104	75	74	90	62
Total Kjeldahl Nitrogen (mg/L)	NS	2.6	1.7	3.7	5.3	1.4	2.1	1.2	0.89	2.4	2.24	3.6	3.1	1.7	3.6	2	<1.0
Total Organic Carbon (mg/L)	NS	7	6.3	6.8	7.2	5.6	6.7	5.4	4	6.8	10.1	8.6	8.1	7.8	7.2	5.8	7.4
Total Phenols (mg/L)	0.001	<0.003	<0.003	<0.003	0.0055	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Part 360 Routine Metals																	
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	0.00033	<0.005	<0.005	<0.005	0.00014	<0.00021	<0.00015
Calcium (mg/L)	NS	25	23	29	32	25	23	23	22	30	24.7	35.5	33.8	24.8	24.1	29.4	19.6
Iron (mg/L)	0.3*	7.4	8	7.2	7.6	7.7	7.1	3.4	3	8.8	8.71	10.9	11.9	9.33	8.16	11.2	4.7
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.002	<0.005	<0.005	<0.005	<0.0019	<0.0018	<0.002
Magnesium (mg/L)	35 (GV)	2.9	2.7	3.5	4.4	5	2.9	3.3	3.5	3.7	2.88	4.49	4.75	3.18	3.33	3.98	3.21
Manganese (mg/L)	0.3*	0.82	0.65	0.76	0.75	0.91	0.72	0.85	0.8	0.84	0.779	0.981	1.01	0.829	0.745	0.799	0.626
Potassium (mg/L)	NS	8.1	6.9	8.6	9.9	7.1	5.8	4.6	5.2	9	4.55	7.41	8.07	4.49	3.98	4.56	2.75
Sodium (mg/L)	20	1.6	1.3	1.6	1.9	2.2	1.1	1.1	<1.0	1.8	1.08	1.79	2.07	1.13	1.2	1.42	0.902
Part 360 Additional Baseline Metals																	
Aluminum (mg/L)	NS				0.22					0.12	0.053				0.116	0.287	0.025
Antimony (mg/L)	0.003				<0.01					<0.01	<0.020				<0.0196	<0.0011	<0.002
Arsenic (mg/L)	0.025				<0.01					<0.01	0.002				0.0055	0.007	0.002
Barium (mg/L)	1				0.21					0.15	0.121				0.11	0.119	0.072
Beryllium (mg/L)	0.003 (GV)				<0.01					<0.01	<0.00014				0.00015	<0.00016	<0.0001
Boron (mg/L)	1				<0.5					<0.5	0.009				0.0102	<0.00057	0.008
Chromium (mg/L)	0.05				<0.01					<0.01	<0.005				0.0084	<0.0051	<0.003
Chromium, Hexavalent (mg/L)	0.05				<0.01					<0.01	<0.020				<0.020	<0.02	<0.020
Cobalt (mg/L)	NS				<0.01					<0.01	<0.000				<0.00043	0.00036	<0.001
Copper (mg/L)	0.2				<0.01					<0.01	<0.003				<0.0025	<0.0025	<0.001
Mercury (mg/L)	0.0007				<0.0002					<0.0002	<0.00007				<0.00006	<0.0001	<0.15
Nickel (mg/L)	0.1				<0.01					<0.01	<0.001				<0.00056	<0.00029	<0.00046
Selenium (mg/L)	0.01				<0.01					<0.01	<0.003				<0.0025	<0.0015	<0.003
Silver (mg/L)	0.05				<0.01					<0.01	<0.003				<0.0028	<0.0014	<0.003
Thallium (mg/L)	0.0005 (GV)				<0.01					<0.02	0.01				0.0168	<0.0018	<0.003
Vanadium (mg/L)	NS				<0.01					<0.01	<0.005				<0.0049	0.0123	<0.011
Zinc (mg/L)	2				0.021					<0.02	0.007				0.0024	<0.0011	0.002
Part 360 Volatile Organics																	
1,1,1,2-Tetrachloroethane (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
1,1,1-Trichloroethane (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
1,1,2-Trichloroethane (µg/L)	1				<1					<1	<5.0				<5.0	<5.0	<5.0

City of Rome
Tannery Road Landfill
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	12/17/2007	3/27/2008	6/19/2008	9/23/2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013
1,1-Dichloroethane (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
1,1-Dichloroethene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
1,2,3-Trichloropropane (µg/L)	0.04				<1					<1	<5.0				<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04				<1					<1	<10				<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
1,2-Dichlorobenzene (µg/L)	3				<1					<1	<5.0				<5.0	<5.0	<5.0
1,2-Dichloroethane (µg/L)	0.6				<1					<1	<5.0				<5.0	<5.0	<5.0
1,2-Dichloropropane (µg/L)	1				<1					<1	<5.0				<5.0	<5.0	<5.0
1,4-Dichlorobenzene (µg/L)	3				<1					<1	<5.0				<5.0	<5.0	<5.0
2-Butanone (MEK) (µg/L)	50 (GV)				<10					<10	<10				<10	<10	<10
2-Hexanone (µg/L)	50 (GV)				<10					<10	<10				<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS				<10					<10	<10				<10	<10	<10
Acetone (µg/L)	50 (GV)				<10					<10	<10				<10	<10	<10
Acrylonitrile (µg/L)	5				<20					<20	<25				<25	<25	<25
Benzene (µg/L)	1				<1					<1	<5.0				<5.0	<5.0	<5.0
Bromochloromethane (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Bromodichloromethane (µg/L)	50 (GV)				<1					<1	<5.0				<5.0	<5.0	<5.0
Bromoform (µg/L)	50 (GV)				<1					<1	<5.0				<5.0	<5.0	<5.0
Bromomethane (µg/L)	5				<1					<1	<10				<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)				<1					<1	<5.0				<5.0	<5.0	<5.0
Carbon tetrachloride (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Chlorobenzene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Chloroethane (µg/L)	5				<1					<1	<10				<10	<10	<10
Chloroform (µg/L)	7				<1					<1	<5.0				<5.0	<5.0	<5.0
Chloromethane (µg/L)	5				<1					<1	<10				<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**				<1					<1	<5.0				<5.0	<5.0	<5.0
Dibromochloromethane (µg/L)	50 (GV)				<1					<1	<5.0				<5.0	<5.0	<5.0
Dibromomethane (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Ethyl benzene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Iodomethane (µg/L)	5				<5					<5	<10				<10	<10	<10
Methylene Chloride (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Styrene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Tetrachloroethene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Toluene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
trans-1,2-Dichloroethene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**				<1					<1	<5.0				<5.0	<5.0	<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5				<5					<5	<10				<10	<10	<10
Trichloroethene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Trichlorofluoromethane (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Vinyl Acetate (µg/L)	NS				<5					<5	<10				<10	<10	<10
Vinyl Chloride (µg/L)	2				<1					<1	<10				<10	<10	<10
Xylenes (Total) (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
1,2-Dichloroethene - Total	5																

Notes

- 1) < indicates not detected at or above the listed value
- 2) NS indicates that no standard has been promulgated.
- 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
- 4) GV indicates that the value listed is a guidance value rather than a standard.
- 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
- 6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021	6/15/2022	9/27/2023	12/3/2024 2S sampled & reported
Field Parameters										
Conductivity (µmhos/cm)	NS	150	160	160	260	185.7		250	203.8	frozen
pH (s.u.)	6.5 - 8.5	6.4	7.3	6.9	7.1	6.85		7.12	7.34	frozen
Redox	NS					-83.3		-72.4	-97.9	frozen
Temperature (deg C)	NS	8	8.5	11	10	9.4		8.5	9.7	frozen
Turbidity (NTU)	5	40	150	150	80	30		25.7	14.78	frozen
Dissolved Oxygen (mg/L)	NS		-84.9						3.94	frozen
Part 360 Leachate Indicator Parameters										
Ammonia-Nitrogen (mg/L)	2	0.2	0.4	0.4	1.2	0.2	0.2	0.2	0.1	frozen
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	4	2.1	2.1	6	<4.0	<4.0	<4.0	<4.0	frozen
Bromide (mg/L)	2	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	frozen
Chemical Oxygen Demand (mg/L)	NS	26	13	33	8	12	10	19	13	frozen
Chloride (mg/L)	250	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	frozen
Color (Pt-Co)	15	70	140	80	25	120	150	20	8	frozen
Nitrate-Nitrogen (mg/L)	10	0.27	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	frozen
Sulfate (mg/L)	250	7.14	5.86	6.49	5.08	4.63	5.56	7.55	7.91	frozen
Total Alkalinity (mg/L)	NS	60	75	84	150	80	84	112	120	frozen
Total Cyanide (mg/L)	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	frozen
Total Dissolved Solids (mg/L)	500	30	35	135	240	35	65	150	95	frozen
Total Hardness (mg/L)	NS	61	71	87	127	82	90	1.5	129	frozen
Total Kjeldahl Nitrogen (mg/L)	NS	<1.0	1.4	7.8	2	<1.0	2	1.4	1.7	frozen
Total Organic Carbon (mg/L)	NS	7.5	4.6	5	6.4	4.3	25.2	5.3	4.9	frozen
Total Phenols (mg/L)	0.001	0.002	<0.002	<0.002	0.004	0.009	<0.004	<0.004	<0.004	frozen
Part 360 Routine Metals										
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	frozen
Calcium (mg/L)	NS	19.9	23.1	28.5	41.2	25.5	28.4	32.5	41.9	frozen
Iron (mg/L)	0.3*	1.77	7.64	9.57	7.3	6.78	9.68	9.52	10.3	frozen
Lead (mg/L)	0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	frozen
Magnesium (mg/L)	35 (GV)	2.71	3.29	3.84	5.91	4.51	4.71	5.79	6	frozen
Manganese (mg/L)	0.3*	0.24	0.669	0.681	0.656	0.626	0.835	0.801	0.79	frozen
Potassium (mg/L)	NS	3.66	2.64	3.1	6.17	2.71	2.81	2.8	4.41	frozen
Sodium (mg/L)	20	0.835	0.855	0.649	2.51	3.16	1.03	0.534	1.31	frozen
Part 360 Additional Baseline Metals										
Aluminum (mg/L)	NS	<0.1	<0.1	0.134	0.124	0.209	<0.1	<0.1	0.111	frozen
Antimony (mg/L)	0.003	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	frozen
Arsenic (mg/L)	0.025	0.008	<0.005	<0.005	0.009	<0.005	<0.005	<0.005	0.006	frozen
Barium (mg/L)	1	0.076	0.083	0.093	0.148	0.08	0.094	0.094	0.109	frozen
Beryllium (mg/L)	0.003 (GV)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	frozen
Boron (mg/L)	1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	frozen
Chromium (mg/L)	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	frozen
Chromium, Hexavalent (mg/L)	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02 J	<0.02	frozen
Cobalt (mg/L)	NS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	frozen
Copper (mg/L)	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	frozen
Mercury (mg/L)	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	frozen
Nickel (mg/L)	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	frozen
Selenium (mg/L)	0.01	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	frozen
Silver (mg/L)	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	frozen
Thallium (mg/L)	0.0005 (GV)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	frozen
Vanadium (mg/L)	NS	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	frozen
Zinc (mg/L)	2	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	frozen
Part 360 Volatile Organics										
1,1,1,2-Tetrachloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
1,1,1-Trichloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
1,1,2,2-Tetrachloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
1,1,2-Trichloroethane (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen

City of Rome
Tannery Road Landfill
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021	6/15/2022	9/27/2023	12/3/2024 2S sampled & reported
1,1-Dichloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
1,1-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
1,2,3-Trichloropropane (µg/L)	0.04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<10	<10	<10	<10	<10	<10	<10	<10	frozen
1,2-Dibromoethane (EDB) (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
1,2-Dichlorobenzene (µg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
1,2-Dichloroethane (µg/L)	0.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
1,2-Dichloropropane (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
1,4-Dichlorobenzene (µg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
2-Butanone (MEK) (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10	<10	<10	frozen
2-Hexanone (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10	<10	<10	frozen
4-Methyl 2-pentanone (µg/L)	NS	<10	<10	<10	<10	<10	<10	<10	<10	frozen
Acetone (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10	<10	<10	frozen
Acrylonitrile (µg/L)	5	<25	<25	<25	<25	<25	<25	<25	<25	frozen
Benzene (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Bromochloromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Bromodichloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Bromoform (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Bromomethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10	frozen
Carbon disulfide (µg/L)	60 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Carbon tetrachloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Chlorobenzene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Chloroethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10	frozen
Chloroform (µg/L)	7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Chloromethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10	frozen
cis-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
cis-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Dibromochloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Dibromomethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Ethyl benzene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Iodomethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10	frozen
Methylene Chloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Styrene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Tetrachloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Toluene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
trans-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
trans-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
trans-1,4-Dichloro-2-butene (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10	frozen
Trichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Trichlorofluoromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
Vinyl Acetate (µg/L)	NS	<10	<10	<10	<10	<10	<10	<10	<10	frozen
Vinyl Chloride (µg/L)	2	<10	<10	<10	<10	<10	<10	<10	<10	frozen
Xylenes (Total) (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	frozen
1,2-Dichloroethene - Total	5									

Notes

- 1) < indicates not detected at or above the listed value
- 2) NS indicates that no standard has been promulgated.
- 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
- 4) GV indicates that the value listed is a guidance value rather than a standard.
- 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
- 6) ** Indicates standard applies to the sum of the isomers

Parameter	City of Rome Tannery Road Landfill MW-3S Ground Water Analytical Data															
	NYSDEC	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01	03/28/02	06/17/02	09/24/02
	Ground Water Standards															
Field Parameters																
Conductivity (µmhos/cm)	NS	4,440	3,980	3,690	3,270	3,800	3,650	3,370	3,390	3,130	2,870	2,150	2,680	2,390	1,600	1,250
pH (s.u.)	6.5 - 8.5	6.58	6.82	6.74	6.36	6.65	6.92	6.63	6.59	6.42	6.3	6.68	6.71	6.46	6.83	8.2
Redox	NS															
Temperature (deg C)	NS	6.4	141	15.6	7.1	5.5	11.3	15.1	6.4	5	14	12.5	7.6	6.2	11.1	15.2
Turbidity (NTU)	5	88	482	357	167	77	78	132	49	35	31	56	42	32		14
Leachate Indicator Parameters																
Ammonia-Nitrogen (mg/L)	2		75	89	84	120	120	160	130	130	110	95	130	120	82	53
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	18	35	28	28	34	16	31	30		24	16	12	11	<10	35
Bromide (mg/L)	2	0.9	<2	<2	4	3.8	0.12	3	1.6	1.2	1.1	0.5	0.79	0.52	0.15	0.11
Chemical Oxygen Demand (mg/L)	NS	930	320	<1	310	420	430	550	410	350	180	410	230	220	150	110
Chloride (mg/L)	250	560	560	430	320	350	13	370	400	220	210	110	150	130	42	24
Color (Pt-Co)	15		290					1,200					750	900		
Nitrate-Nitrogen (mg/L)	10	<0.2	<0.2	<0.2	<0.2	<0.2	0.28	<0.1	<0.1	<0.1	0.15	<0.1	<0.1	<0.1	<0.1	0.6
Sulfate (mg/L)	250	<5	6	110	16	48	32	2.3	5.8	33	32	66	79	94	63	120
Total Alkalinity (mg/L)	NS	1,800	1,500	550	600	1,400	1,300	1,100	1,100	1,200	1,200	930	860	840	660	480
Total Cyanide	0.2		<0.01					<0.01					<0.01	<0.01		
Total Dissolved Solids (mg/L)	500	2,600	2,200	2,280	1,710	1,930	250	2,100	1,600	1,500	1,500	1,100	1,200	1,100	680	610
Total Hardness (mg/L)	NS	770	750	644	504	478	430	470	410	320	360	290	260	200	170	190
Total Kjeldahl Nitrogen (mg/L)	NS	85	85	99	89	120	170	160	130	150	130	100	120	140	76	61
Total Organic Carbon (mg/L)	NS	200	170	247	123	36	200	150	130	120	130	84	90	86	60	47
Total Phenols (mg/L)	0.001	0.009	<0.005	0.006	0.008	0.005	0.0038	0.0052	0.0031	0.0025	0.0032	0.0022	0.0034	<0.002	0.011	0.0038
Part 360 Routine Metals																
Cadmium (mg/L)	0.005		0.0084	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	216	212	171	134	123	110	120	110	87	99	82	73	52	49	56
Iron (mg/L)	0.3*	64.4	66.6	55.8	40.8	45.6	48	48	34	34	34	26	30	24	15	29
Lead (mg/L)	0.025	<0.003	0.0123	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	55.7	54.7	52.6	41	41.5	37	39	33	25	28	20	20	15	11	11
Manganese (mg/L)	0.3*	1.96	1.87	1.6	1.4	1.3	1.3	1.5	1.2	1.1	1.2	0.95	0.91	0.74	0.6	0.63
Potassium (mg/L)	NS	202	191	210	160	160	210	230	210	170	170	140	150	140	110	79
Sodium (mg/L)	20	960	417	310	310	300	320	510	370	320	370	220	250	210	92	54
Part 360 Baseline Metals																
Aluminum (mg/L)	NS		4.04					1.8					1	0.91		
Antimony (mg/L)	0.003		<0.015					0.043					<0.01	<0.01		
Arsenic (mg/L)	0.025		<0.01					0.01					<0.01	<0.01		
Barium (mg/L)	1		1.25					1.3					0.61	0.5		
Beryllium (mg/L)	0.003 (GV)		<0.003					0.01					<0.01	<0.01		
Boron (mg/L)	1		2.2				2.5	2.4			1.2	1.3	1.6	1.4	1.1	1
Chromium (mg/L)	0.05		0.0222					0.025					0.015	0.018		
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01	<0.5		
Cobalt (mg/L)	NS		<0.02					0.013					<0.01	<0.01		
Copper (mg/L)	0.2		0.0163					<0.01					<0.01	<0.01		
Mercury (mg/L)	0.0007		<0.0002					<0.0002					0.007	<0.0002		
Nickel (mg/L)	0.1		<0.03					0.033					0.019	0.027		
Selenium (mg/L)	0.01		<0.005					<0.01					<0.01	<0.01		
Silver (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01		
Thallium (mg/L)	0.0005 (GV)		0.0139					<0.01					<0.01	<0.01		
Vanadium (mg/L)	NS		0.0457					0.075					0.042	0.051		
Zinc (mg/L)	2		0.107					0.062					0.025	0.021		
Volatile Organics																
1,1,1,2-Tetrachloroethane (µg/L)	5							<5					<5	<5		

City of Rome Tannery Road Landfill MW-3S Ground Water Analytical Data																
Parameter	NYSDEC	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01	03/28/02	06/17/02	09/24/02
1,1,1-Trichloroethane (µg/L)	5		<5					<5					<5	<5		
1,1,2,2-Tetrachloroethane (µg/L)	5		<5					<5					<5	<5		
1,1,2-Trichloroethane (µg/L)	1		<5					<5					<5	<5		
1,1-Dichloroethane (µg/L)	5		<5					<5					<5	<5		
1,1-Dichloroethene (µg/L)	5		<5					<5					<5	<5		
1,2,3-Trichloropropane (µg/L)	0.04							<5					<5	<5		
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<10					<5					<5	<5		
1,2-Dibromoethane (EDB) (µg/L)	5		<5					<5					<5	<5		
1,2-Dichlorobenzene (µg/L)	3		<5					<5					<5	<5		
1,2-Dichloroethane (µg/L)	0.6		<5					<5					<5	<5		
1,2-Dichloropropane (µg/L)	1		<5					<5					<5	<5		
1,4-Dichlorobenzene (µg/L)	3		<5					<5					<5	<5		
2-Butanone (MEK) (µg/L)	50 (GV)		<10					<10					<10	<10		
2-Hexanone (µg/L)	50 (GV)		<10					<10					<10	<10		
4-Methyl 2-pentanone (µg/L)	NS		<10					<10					<10	<10		
Acetone (µg/L)	50 (GV)		21					<10					<10	<10		
Acrylonitrile (µg/L)	5		<100					<20					<20	<20		
Benzene (µg/L)	1		<5					<5					<5	<5		
Bromochloromethane (µg/L)	5		<5					<5					<5	<5		
Bromodichloromethane (µg/L)	50 (GV)		<5										<5	<5		
Bromoform (µg/L)	50 (GV)		<5					<5					<5	<5		
Bromomethane (µg/L)	5		<5					<5					<5	<5		
Carbon disulfide (µg/L)	60 (GV)		6					<5					<5	<5		
Carbon tetrachloride (µg/L)	5		<5					<5					<5	<5		
Chlorobenzene (µg/L)	5		<5					<5					<5	<5		
Chloroethane (µg/L)	5		<5					<5					<5	<5		
Chloroform (µg/L)	7		<5					<5					<5	<5		
Chloromethane (µg/L)	5		<5					<5					<5	<5		
cis-1,2-Dichloroethene (µg/L)	5		<5					<5					<5	<5		
cis-1,3-Dichloropropene (µg/L)	0.4**		<5					<5					<5	<5		
Dibromochloromethane (µg/L)	50 (GV)		<5					<5					<5	<5		
Dibromomethane (µg/L)	5		<5					<5					<5	<5		
Ethyl benzene (µg/L)	5		<5					<5					<5	<5		
Iodomethane (µg/L)	5		<5					<20					<20	<10		
Methylene Chloride (µg/L)	5		<5					<10					<10	<10		
Styrene (µg/L)	5							<5					<5	<5		
Tetrachloroethene (µg/L)	5		<5					<5					<5	<5		
Toluene (µg/L)	5		<5					<5					<5	<5		
trans-1,2-Dichloroethene (µg/L)	5		<5					<5					<5	<5		
trans-1,3-Dichloropropene (µg/L)	0.4**		<5					<5					<5	<5		
trans-1,4-Dichloro-2-butene (µg/L)	5							<50					<50	<10		
Trichloroethene (µg/L)	5		<5					<5					<5	<5		
Trichlorofluoromethane (µg/L)	5		<5					<5					<5	<5		
Vinyl Acetate (µg/L)	NS		<50					<20					<20	<20		
Vinyl Chloride (µg/L)	2		<5					<5					<5	<5		
Xylenes (Total) (µg/L)	5		<5					<5					<5	<5		

Notes

- 1) < indicates not detected at or above the listed value
- 2) NS indicates that no standard has been promulgated.
- 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
- 4) GV indicates that the value listed is a guidance value rather than a standard.
- 5) Values in bold exceeded NYSDEC ground water standard/guidance value.
- 6) ** Indicates standard applies to the sum of the isomers

City of Rome Tannery Road Landfill MW-3S Ground Water Analytical Data																
Parameter	NYSDEC Ground Water Standards	12/18/02	03/12/03	06/25/03	09/17/03	12/16/03	03/23/04	06/22/04	09/28/04	12/16/04	03/22/05	06/28/05	09/27/05	12/06/05	03/28/06	06/28/06
Field Parameters																
Conductivity (µmhos/cm)	NS	1,490	Frozen	1,140	1,150	1,000	Frozen	815	841	2,400	623	2,331	726	630	560	460
pH (s.u.)	6.5 - 8.5		Frozen	6.83	6.98	7.1	Frozen	6.6	6.57	6.7	6.97	6.75	6.95	6.2	6.8	7.5
Redox	NS															
Temperature (deg C)	NS	6.6	Frozen	12.1	15	7	Frozen	11.7	14	7	5.5		12.5	8	7	12
Turbidity (NTU)	5	0	Frozen	109	60	70	Frozen	11	86	95	71	93	25	88	56	55
Leachate Indicator Parameters																
Ammonia-Nitrogen (mg/L)	2	78	Frozen	78	72	75	Frozen	53	56	52	45	50	39	36	25	17
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<10	Frozen	14	<4.0	17	Frozen	12	16	<10	<4.0	24	5.1	<4	<4	7.6
Bromide (mg/L)	2	0.14	Frozen	<0.1	<0.1	<0.1	Frozen	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10
Chemical Oxygen Demand (mg/L)	NS	110	Frozen	93	96	120	Frozen	83	84	110	72	70	61	40	46	40
Chloride (mg/L)	250	25	Frozen	5.7	10	4.4	Frozen	4.1	3.3	2.2	3.6	3.7	3.2	<1	3.1	2.6
Color (Pt-Co)	15		Frozen	500	<0.1	0.17	Frozen		750					340	375	
Nitrate-Nitrogen (mg/L)	10	<0.1	Frozen	0.15			Frozen	0.18	0.15	<0.1	0.16	0.29	<0.1	<0.1	0.25	<0.10
Sulfate (mg/L)	250	110	Frozen	94	49	52	Frozen	55	36	6.3	42	37	24	30	2.9	3.7
Total Alkalinity (mg/L)	NS	550	Frozen	410	450	370	Frozen	360	340	340	340	350	310	260	300	270
Total Cyanide	0.2		Frozen	<0.01	490	350	Frozen		<0.01					<0.01	<0.01	
Total Dissolved Solids (mg/L)	500	580	Frozen	430			Frozen	370	350	320	350	390	340	280	260	310
Total Hardness (mg/L)	NS	150	Frozen	120	190	100	Frozen	120	100	110	130	120	110	110	130	160
Total Kjeldahl Nitrogen (mg/L)	NS	32	Frozen	86	63	64	Frozen	63	50	28	35	44	35	28	14	14
Total Organic Carbon (mg/L)	NS	43	Frozen	22	35	43	Frozen	30	26	35	23	24	21	19	13	14
Total Phenols (mg/L)	0.001	<0.002		<0.002	<0.002	0.0053		<0.002	<0.002	<0.002	<0.01	0.0038	0.0021	0.0039	<0.002	<0.002
Part 360 Routine Metals																
Cadmium (mg/L)	0.005	<0.01	Frozen	<0.01	<0.01	<0.01	Frozen	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010
Calcium (mg/L)	NS	46	Frozen	39	59	32	Frozen	37	29	30	36	31	32	29	33	42
Iron (mg/L)	0.3*	14	Frozen	12	14	29	Frozen	11	9.3	22	15	10	16	14	19	17
Lead (mg/L)	0.025	<0.01	Frozen	<0.01	0.011	<0.01	Frozen	<0.01	<0.01	<0.01	<0.01	0.044	<0.01	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	9.1	Frozen	6.9	10	5.3	Frozen	7.3	6.8	7.5	9.5	9.3	8.2	8.5	13	14
Manganese (mg/L)	0.3*	0.5	Frozen	0.43	0.61	0.36	Frozen	0.043	0.38	0.39	0.47	0.4	0.43	0.45	0.71	0.69
Potassium (mg/L)	NS	97	Frozen	93	94	79	Frozen	110	110	66	70	74	66	60	53	47
Sodium (mg/L)	20	76	Frozen	16	27	10	Frozen	9.3	6.1	6.5	6.7	5.2	5.1	2.6	2.6	3
Part 360 Baseline Metals																
Aluminum (mg/L)	NS			1.3					0.44					2.5	2.8	
Antimony (mg/L)	0.003			<0.01					<0.01					<0.01	<0.01	
Arsenic (mg/L)	0.025			0.011					0.012					0.019	<0.01	
Barium (mg/L)	1			0.27					<0.2					0.16	<0.2	
Beryllium (mg/L)	0.003 (GV)			<0.01					<0.01					<0.01	<0.01	
Boron (mg/L)	1		Frozen	<0.5	0.85	<0.5	Frozen		0.37					<0.5	<0.5	
Chromium (mg/L)	0.05			0.011					<0.01					<0.01	<0.01	
Chromium, Hexavalent (mg/L)	0.05			<0.01					<0.01					<0.01	<0.01	
Cobalt (mg/L)	NS			<0.01					<0.01					<0.01	<0.01	
Copper (mg/L)	0.2			<0.01					<0.01					<0.01	<0.01	
Mercury (mg/L)	0.0007			<0.0002					<0.0002					<0.0002	<0.0002	
Nickel (mg/L)	0.1			<0.01					0.011					<0.01	<0.01	
Selenium (mg/L)	0.01			<0.01					<0.01					<0.01	<0.01	
Silver (mg/L)	0.05			<0.01					<0.01					<0.01	<0.01	
Thallium (mg/L)	0.0005 (GV)			<0.01					<0.01					<0.01	<0.01	
Vanadium (mg/L)	NS			0.027					0.018					0.014	0.012	
Zinc (mg/L)	2			0.091					0.02					0.018	0.018	
Volatile Organics																
1,1,1,2-Tetrachloroethane (µg/L)	5		Frozen	<5					<1					<1	<1	

City of Rome																
Tannery Road Landfill																
MW-3S Ground Water Analytical Data																
Parameter	NYSDEC	12/18/02	03/12/03	06/25/03	09/17/03	12/16/03	03/23/04	06/22/04	09/28/04	12/16/04	03/22/05	06/28/05	09/27/05	12/06/05	03/28/06	06/28/06
1,1,1-Trichloroethane (µg/L)	5		Frozen	<5					<1					<1	<1	
1,1,2,2-Tetrachloroethane (µg/L)	5		Frozen	<5					<1					<1	<1	
1,1,2-Trichloroethane (µg/L)	1		Frozen	<5					<1					<1	<1	
1,1-Dichloroethane (µg/L)	5		Frozen	<5					<1					<1	<1	
1,1-Dichloroethene (µg/L)	5		Frozen	<5					<1					<1	<1	
1,2,3-Trichloropropane (µg/L)	0.04		Frozen	<5					<1					<1	<1	
1,2-Dibromo-3-chloropropane (µg/L)	0.04		Frozen	<5					<1					<1	<1	
1,2-Dibromoethane (EDB) (µg/L)	5		Frozen	<5					<1					<1	<1	
1,2-Dichlorobenzene (µg/L)	3		Frozen	<5					<1					<1	<1	
1,2-Dichloroethane (µg/L)	0.6		Frozen	<5					<1					<1	<1	
1,2-Dichloropropane (µg/L)	1		Frozen	<5					<1					<1	<1	
1,4-Dichlorobenzene (µg/L)	3		Frozen	<5					<1					<1	<1	
2-Butanone (MEK) (µg/L)	50 (GV)		Frozen	<10					<10					<5	<5	
2-Hexanone (µg/L)	50 (GV)		Frozen	<10					<10					<5	<5	
4-Methyl 2-pentanone (µg/L)	NS		Frozen	<10					<10					<5	<5	
Acetone (µg/L)	50 (GV)		Frozen	<10					<10					<10	<5	
Acrylonitrile (µg/L)	5		Frozen	<20					<5					<20	<20	
Benzene (µg/L)	1		Frozen	<5					<1					<1	<1	
Bromochloromethane (µg/L)	5		Frozen	<5					<1					<1	<1	
Bromodichloromethane (µg/L)	50 (GV)		Frozen	<5					<1					<1	<1	
Bromoform (µg/L)	50 (GV)		Frozen	<5					<1					<1	<1	
Bromomethane (µg/L)	5		Frozen	<5					<1					<1	<1	
Carbon disulfide (µg/L)	60 (GV)		Frozen	<5					<1					<1	<1	
Carbon tetrachloride (µg/L)	5		Frozen	<5					<1					<1	<1	
Chlorobenzene (µg/L)	5		Frozen	<5					<1					<1	<1	
Chloroethane (µg/L)	5		Frozen	<5					<1					<1	<1	
Chloroform (µg/L)	7		Frozen	<5					<1					<1	<1	
Chloromethane (µg/L)	5		Frozen	<5					<1					<1	<1	
cis-1,2-Dichloroethene (µg/L)	5		Frozen	<5					<1					<1	<1	
cis-1,3-Dichloropropene (µg/L)	0.4**		Frozen	<5					<1					<1	<1	
Dibromochloromethane (µg/L)	50 (GV)		Frozen	<5					<1					<1	<1	
Dibromomethane (µg/L)	5		Frozen	<5					<1					<1	<1	
Ethyl benzene (µg/L)	5		Frozen	<5					<1					<1	<1	
Iodomethane (µg/L)	5		Frozen	<10					<10					<5	<5	
Methylene Chloride (µg/L)	5		Frozen	<10					<10					<5	<1	
Styrene (µg/L)	5		Frozen	<5					<1					<1	<1	
Tetrachloroethene (µg/L)	5		Frozen	<5					<1					<1	<1	
Toluene (µg/L)	5		Frozen	<5					<1					<1	<1	
trans-1,2-Dichloroethene (µg/L)	5		Frozen	<5					<1					<1	<1	
trans-1,3-Dichloropropene (µg/L)	0.4**		Frozen	<5					<1					<1	<1	
trans-1,4-Dichloro-2-butene (µg/L)	5		Frozen	<10					<10					<5	<5	
Trichloroethene (µg/L)	5		Frozen	<5					<1					<1	<1	
Trichlorofluoromethane (µg/L)	5		Frozen	<5					<1					<1	<1	
Vinyl Acetate (µg/L)	NS		Frozen	<20					<5					<5	<5	
Vinyl Chloride (µg/L)	2		Frozen	<5					<1					<1	<1	
Xylenes (Total) (µg/L)	5		Frozen	<5					<1					<1	<1	

Notes

- 1) < indicates not detected at or above the listed value
- 2) NS indicates that no standard has been promulgated.
- 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
- 4) GV indicates that the value listed is a guidance value rather than a standard.
- 5) Values in bold exceeded NYSDEC ground water standard/guidance value.
- 6) ** Indicates standard applies to the sum of the isomers

City of Rome Tannery Road Landfill MW-3S Ground Water Analytical Data																
Parameter	NYSDEC Ground Water Standards	09/26/06	12/13/06	03/15/07	06/21/07	09/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010
Field Parameters																
Conductivity (µmhos/cm)	NS	517	453	212	555	533	441	475	448	452	507	425	412	493	500	478
pH (s.u.)	6.5 - 8.5	7.44	6.51	6.38	6.79	6.72	6.48	6.69	6.67	7.01	6.96	6.31	6.69	6.57	6.1	6.65
Redox	NS				-83											
Temperature (deg C)	NS	12.9	9.5	5.2	11.2	12.5	7.3	5.6	10.3	12.6	7.8	6.1	14	12	8.4	6
Turbidity (NTU)	5	-	46	0	21	101	10	11	12	0	85	21	14	3	0	30
Leachate Indicator Parameters																
Ammonia-Nitrogen (mg/L)	2	12	9.1	8.7	14	15	7.3	11	5.8	9.7 J	3.9	3.3	2.7	2.4	1.9	2.2
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	5.6	<4	<20	<4	13	<4	<5	<4	<4	7	4.9	<4	8.1	4.6	10
Bromide (mg/L)	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0
Chemical Oxygen Demand (mg/L)	NS	43	35	37	41	40	27	11	34	9.6	67	23	19	26	25	32.8
Chloride (mg/L)	250	3.2	2.6	2.8	2.5	4	3.4	<2	2.4	2	3.1	2.7	2.6	3.9	2.6	<1.0
Color (Pt-Co)	15				400					100					25	10
Nitrate-Nitrogen (mg/L)	10	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.04	<0.1	0.17	<0.1	<0.1	0.23	<0.1	<0.1	<0.020
Sulfate (mg/L)	250	4.9	4	4.1	5.4	13	4.7	2.7	4.7	4.4	4	3.7	<1	4.1	6.6	<1.0
Total Alkalinity (mg/L)	NS	280	250	300	300	280	250	270	250	260	280	240	220	250	250	260
Total Cyanide	0.2				<0.01					<0.01					<0.01	<0.010
Total Dissolved Solids (mg/L)	500	310	270	390	300	280	250	250	280	310	270	230	260	270	260	293
Total Hardness (mg/L)	NS	150	160	190	120	160	170	180	180	170	220	190	210	210	230	222
Total Kjeldahl Nitrogen (mg/L)	NS	15	9.8	8.3	8.3	18	9.4	11	11	2.2 J	6	4.1	3.1	3.3	2.5	3.64
Total Organic Carbon (mg/L)	NS	14	12	13	14	12	11	11	10	11	14	9.9	9.5	10	11	12.6
Total Phenols (mg/L)	0.001	<0.002	<0.05	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	0.0036	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002
Part 360 Routine Metals																
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.00013
Calcium (mg/L)	NS	40	41	44	42	41	41	42	42	41	54	49	55	52	64	62.7
Iron (mg/L)	0.3*	15	16	21	23	18	18	21	18	19	52	19	22	27	23	24.9
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.011	<0.010	<0.01	<0.002
Magnesium (mg/L)	35 (GV)	13	15	19	19	15	16	18	17	16	21	17	18	20	18	15.9
Manganese (mg/L)	0.3*	<0.01	0.63	0.93	0.98	0.72	0.75	0.92	0.82	0.72	1	0.83	0.94	0.89	0.92	1.07
Potassium (mg/L)	NS	44	19	30	35	40	26	32	25	25	19	17	16	20	18	13.2
Sodium (mg/L)	20	2.6	1.8	1.7	2.2	2.2	1.2	1.1	<1	<1	2.1	1.2	1.8	<1.0	1.3	0.898
Part 360 Baseline Metals																
Aluminum (mg/L)	NS				0.37					0.56					0.12	0.071
Antimony (mg/L)	0.003				<0.01					<0.01					<0.01	<0.020
Arsenic (mg/L)	0.025				<0.01					<0.01					<0.01	<0.002
Barium (mg/L)	1				<0.2					<0.2					<0.1	0.071
Beryllium (mg/L)	0.003 (GV)				<0.01					<0.01					<0.01	<0.00014
Boron (mg/L)	1				<0.5					<0.5					<0.5	0.022
Chromium (mg/L)	0.05				<0.01					<0.01					<0.01	<0.005
Chromium, Hexavalent (mg/L)	0.05				<0.01					<0.01					<0.01	<0.020
Cobalt (mg/L)	NS				<0.01					<0.01					<0.01	<0.000
Copper (mg/L)	0.2				<0.04					<0.01					<0.01	<0.003
Mercury (mg/L)	0.0007				<0.0002					<0.0002					<0.0002	<0.00007
Nickel (mg/L)	0.1				<0.01					<0.01					<0.01	<0.001
Selenium (mg/L)	0.01				<0.01					<0.01					<0.01	<0.003
Silver (mg/L)	0.05				0.05					<0.01					<0.01	<0.003
Thallium (mg/L)	0.0005 (GV)				<0.01					<0.01					<0.02	0.028
Vanadium (mg/L)	NS				<0.01					<0.01					<0.01	<0.005
Zinc (mg/L)	2				0.045					0.027					<0.02	0.002
Volatile Organics																
1,1,1,2-Tetrachloroethane (µg/L)	5				<1.0					<1					<1	<5.0

City of Rome																
Tannery Road Landfill																
MW-3S Ground Water Analytical Data																
Parameter	NYSDEC	09/26/06	12/13/06	03/15/07	06/21/07	09/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010
1,1,1-Trichloroethane (µg/L)	5				<1.0					<1					<1	<5.0
1,1,2,2-Tetrachloroethane (µg/L)	5				<1.0					<1					<1	<5.0
1,1,2-Trichloroethane (µg/L)	1				<1.0					<1					<1	<5.0
1,1-Dichloroethane (µg/L)	5				<1.0					<1					<1	<5.0
1,1-Dichloroethene (µg/L)	5				<1.0					<1					<1	<5.0
1,2,3-Trichloropropane (µg/L)	0.04				<1.0					<1					<1	<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04				<1.0					<1					<1	<10
1,2-Dibromoethane (EDB) (µg/L)	5				<1.0					<1					<1	<5.0
1,2-Dichlorobenzene (µg/L)	3				<1.0					<1					<1	<5.0
1,2-Dichloroethane (µg/L)	0.6				<1.0					<1					<1	<5.0
1,2-Dichloropropane (µg/L)	1				<1.0					<1					<1	<5.0
1,4-Dichlorobenzene (µg/L)	3				<1.0					<1					<1	<5.0
2-Butanone (MEK) (µg/L)	50 (GV)				<5.0					<10					<10	<10
2-Hexanone (µg/L)	50 (GV)				<5.0					<10					<10	<10
4-Methyl 2-pentanone (µg/L)	NS				<5.0					<10					<10	<10
Acetone (µg/L)	50 (GV)				<5.0					<10					<10	<10
Acrylonitrile (µg/L)	5				<20					<20					<20	<25
Benzene (µg/L)	1				<1.0					<1					<1	<5.0
Bromochloromethane (µg/L)	5				<1.0					<1					<1	<5.0
Bromodichloromethane (µg/L)	50 (GV)				<1.0					<1					<1	<5.0
Bromoform (µg/L)	50 (GV)				<1.0					<1					<1	<5.0
Bromomethane (µg/L)	5				<1.0					<1					<1	<10
Carbon disulfide (µg/L)	60 (GV)				<1.0					<1					<1	<5.0
Carbon tetrachloride (µg/L)	5				<1.0					<1					<1	<5.0
Chlorobenzene (µg/L)	5				<1.0					<1					<1	<5.0
Chloroethane (µg/L)	5				<1.0					<1					<1	<10
Chloroform (µg/L)	7				<1.0					<1					<1	<5.0
Chloromethane (µg/L)	5				<1.0					<1					<1	<10
cis-1,2-Dichloroethene (µg/L)	5				<1.0					<1					<1	<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**				<1.0					<1					<1	<5.0
Dibromochloromethane (µg/L)	50 (GV)				<1.0					<1					<1	<5.0
Dibromomethane (µg/L)	5				<1.0					<1					<1	<5.0
Ethyl benzene (µg/L)	5				<1.0					<1					<1	<5.0
Iodomethane (µg/L)	5				<5.0					<5					<5	<10
Methylene Chloride (µg/L)	5				<1.0					<1					<1	<5.0
Styrene (µg/L)	5				<1.0					<1					<1	<5.0
Tetrachloroethene (µg/L)	5				<1.0					<1					<1	<5.0
Toluene (µg/L)	5				<1.0					<1					<1	<5.0
trans-1,2-Dichloroethene (µg/L)	5				<1.0					<1					<1	<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**				<1.0					<1					<1	<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5				<5.0					<5					<5	<10
Trichloroethene (µg/L)	5				<1.0					<1					<1	<5.0
Trichlorofluoromethane (µg/L)	5				<1.0					<1					<1	<5.0
Vinyl Acetate (µg/L)	NS				<5.0					<5					<5	<10
Vinyl Chloride (µg/L)	2				<1.0					<1					<1	<10
Xylenes (Total) (µg/L)	5				<1.0					<1					<1	<5.0

Notes

- 1) < indicates not detected at or above the listed value
- 2) NS indicates that no standard has been promulgated.
- 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
- 4) GV indicates that the value listed is a guidance value rather than a standard.
- 5) Values in bold exceeded NYSDEC ground water standard/guidance value.
- 6) ** Indicates standard applies to the sum of the isomers

City of Rome Tannery Road Landfill MW-3S Ground Water Analytical Data																
Parameter	NYSDEC Ground Water Standards	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021	6/21/2022	9/27/2023	12/3/2024
Field Parameters																
Conductivity (µmhos/cm)	NS	480	451	477	521	402	340	440	470	460	430	448.2	406	443	342.7	754.0
pH (s.u.)	6.5 - 8.5	5.54	6.34	6.7	5.86	6.22	5.7	6	6.54	6.8	6.6	6.55	6.97	6.76	6.97	6.72
Redox	NS								-56.7			-28.6	-53.1	-43.6	-66.3	9.3
Temperature (deg C)	NS	11	13.1	7.1	5	11.1	14	5	6.5	13	14	8.7	7	9.8	12.7	9.20
Turbidity (NTU)	5	0	24	0	23	0	60	290	7	90	30	10	8.02	12.6	15.45	9.50
Leachate Indicator Parameters																
Ammonia-Nitrogen (mg/L)	2	1.8	1.7	1.7	1.2	0.8	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.1	0.3
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	6	17	9	9	2	5	6	5	<4.0	5	3.7	2.6	<4.0	4	3.7 J
Bromide (mg/L)	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<2
Chemical Oxygen Demand (mg/L)	NS	22	34	22	27	20	47	38	26	29	25	20	17	19	19	22
Chloride (mg/L)	250	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2
Color (Pt-Co)	15				20	>70	20	70	30	120	40	30	45	27	18	30
Nitrate-Nitrogen (mg/L)	10	<0.020	<0.020	<0.02	<0.020	<0.02	0.03	0.1	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.020	<0.04
Sulfate (mg/L)	250	4.77	<2.0	<2.0	<2.0	<2.0	5.26	2.11	3.37	<2.0	5.72	<4.0	4.08	<2.0	6.99	<4
Total Alkalinity (mg/L)	NS	250	240	255	250	210	210	200	270	320	260	220	210	216	220	240
Total Cyanide	0.2				<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	0.015	<0.01	<0.01	<0.005	<0.01
Total Dissolved Solids (mg/L)	500	237	287	320	5310 S	200	220	155	215	290	300	120	150	250	225	285
Total Hardness (mg/L)	NS	246	203	142	25	204	181	215	257	249	220	208	212	199	191	238
Total Kjeldahl Nitrogen (mg/L)	NS	5	2.2	3.9	1.7	1.1	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1
Total Organic Carbon (mg/L)	NS	12.3	10.9	11.9	10.6	9.1	11.3	11.3	6.8	7.6	7.9	32.5	57.8	7.8	6.6	7
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.004	0.007	<0.004	<0.004	<0.0020	<0.004
Part 360 Routine Metals																
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	0.00035	<0.00021	<0.00015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0025	<0.005
Calcium (mg/L)	NS	72	59.1	71.3	72.7	62.6	54.8	65.1	77	76	67.3	61.6	64.4	60	59.2	72.4
Iron (mg/L)	0.3*	22.4	26.3	26.9	11.3	22.4	19.6	21.9	22.3	19.9	22.9	14.9	16.2	12.1	14.9	15.5
Lead (mg/L)	0.025	<0.005	<0.005	0.006	0.0023	0.0025	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0025	<0.005
Magnesium (mg/L)	35 (GV)	16.3	13.4	15.5	16.2	11.5	10.8	12.6	15.6	14.3	12.7	13.1	12.4	11.9	10.4	13.9
Manganese (mg/L)	0.3*	1.03	1.06	1.24	1.27	1.03	0.929	0.859	0.691	0.632	0.755	0.453	0.422	0.306	0.286	0.373
Potassium (mg/L)	NS	16.2	12.9	12.5	10.3	9.05	7.89	5.31	3.76	4.55	4.38	2.94	2.41	2.37	2.74	2.9
Sodium (mg/L)	20	1.19	0.933	0.991	0.94	0.722	0.926	0.464	0.829	0.579	1.45	2.56	0.907	0.438	0.979	0.82
Part 360 Baseline Metals																
Aluminum (mg/L)	NS				<0.00810	0.371	0.018	<0.1	<0.1	0.134	0.211	0.152	<0.1	0.102	0.167	<0.1
Antimony (mg/L)	0.003				<0.0196	<0.0011	<0.002	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025				0.0034	0.003	<0.002	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Barium (mg/L)	1				0.058	0.0505	0.046	0.044	0.032	0.032	0.036	0.024	0.023	0.019	0.02	0.025
Beryllium (mg/L)	0.003 (GV)				<0.00014	<0.00016	<0.0001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron (mg/L)	1				0.0519	0.0093	0.035	0.092	<0.05	0.059	0.06	0.052	<0.05	<0.05	<0.05	<0.05
Chromium (mg/L)	0.05				<0.0047	<0.0051	<0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent (mg/L)	0.05				<0.020	<0.02	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02 J	<0.02	<0.02
Cobalt (mg/L)	NS				<0.00043	0.00046	<0.001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper (mg/L)	0.2				<0.0025	<0.0025	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury (mg/L)	0.0007				<0.00006	<0.0001	<0.15	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1				<0.00056	0.00044	<0.00046	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01				<0.0025	<0.0015	<0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	0.005	<0.005
Silver (mg/L)	0.05				<0.0028	<0.0014	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)				0.0134	0.003	0.003	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium (mg/L)	NS				0.0069	<0.0054	<0.011	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc (mg/L)	2				0.0047	0.0061	0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Volatile Organics																
1,1,1,2-Tetrachloroethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10

City of Rome																
Tannery Road Landfill																
MW-3S Ground Water Analytical Data																
Parameter	NYSDEC	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021	6/21/2022	9/27/2023	12/3/2024
1,1,1-Trichloroethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1,2,2-Tetrachloroethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1,2-Trichloroethane (µg/L)	1				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1-Dichloroethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1-Dichloroethene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2,3-Trichloropropane (µg/L)	0.04				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,2-Dibromo-3-chloropropane (µg/L)	0.04				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,2-Dichlorobenzene (µg/L)	3				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloroethane (µg/L)	0.6				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloropropane (µg/L)	1				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,4-Dichlorobenzene (µg/L)	3				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
2-Butanone (MEK) (µg/L)	50 (GV)				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone (µg/L)	50 (GV)				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone (µg/L)	50 (GV)				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile (µg/L)	5				<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Benzene (µg/L)	1				<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	<10	<10	<5
Bromochloromethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromodichloromethane (µg/L)	50 (GV)				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromoform (µg/L)	50 (GV)				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromomethane (µg/L)	5				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Carbon tetrachloride (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chlorobenzene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chloroethane (µg/L)	5				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform (µg/L)	7				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chloromethane (µg/L)	5				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
cis-1,3-Dichloropropene (µg/L)	0.4**				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Dibromochloromethane (µg/L)	50 (GV)				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Dibromomethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Ethyl benzene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Iodomethane (µg/L)	5				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Styrene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Tetrachloroethene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Toluene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,2-Dichloroethene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,3-Dichloropropene (µg/L)	0.4**				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,4-Dichloro-2-butene (µg/L)	5				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Trichloroethene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Trichlorofluoromethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Vinyl Acetate (µg/L)	NS				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride (µg/L)	2				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes (Total) (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5

Notes

- 1) < indicates not detected at or above the listed value
- 2) NS indicates that no standard has been promulgated.
- 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
- 4) GV indicates that the value listed is a guidance value rather than a standard.
- 5) Values in bold exceeded NYSDEC ground water standard/guidance value.
- 6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-4S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03
Field Parameter																					
Conductivity (µmhos/cm)	NS	672	1,590	2,010	444	338	334	429	374	204	247	555	177	125	161	807	163	137	123	685	207
pH (s.u.)	6.5 - 8.5	7.05	6.43	6.23	7.11	6.18	6.36	6.14	6.04	5.81	5.7	6.07	6.07	5.96	6.05	8.3		5.7	5.96	6.14	5.5
Redox	NS																				
Temperature (deg C)	NS	5.7	15.8	15	7.1	6.3	11	14.3	6.8	5.3	15.6	12.7	7.7	5.9	11.5	13.5	6.8	5.5	14.4	15.3	6
Turbidity (NTU)	5	137	77	87	86	40	79	58	33	29	24	19	18	17		91	0	25	147	116	6
Part 360 Leachate Indicator Parameters																					
Ammonia-Nitrogen (mg/L)	2	26	<0.5	90	15	14	15	24	18	7.4	9.8	32	3.1	1.7	3.5	39	2.3	2.6	1.7	35	4.2
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	62	6	34	24	23	<2.0	14	<20.0		12	25	<10.0	<10.0	<10.0	49	<10.0	6.6	4.7	15	<4
Bromide (mg/L)	2	<0.2	<0.2	<2.0	<2.0	<2.0	<0.1	<0.1	<0.1	<0.1	0.12	0.24	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	540	44	22	110	120	110	160	140	110	98	160	88	62	84	230	44	54	75	220	87
Chloride (mg/L)	250	50	3	200	23	100	2.7	21	16	7.1	8.7	43	5.6	4.5	5.3	99	4.6	5.3	3.8	98	4.8
Color (Pt-Co)	15		140					250					300	250					175		
Nitrate-Nitrogen (mg/L)	10	<0.2	<0.2	<0.2	0.6	0.3	0.15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.25	0.13	<0.1	0.15
Sulfate (mg/L)	250	24	32	11	56	52	28	40	35	11	17	49	27	17	15	20	39	24	14	25	31
Total Alkalinity (mg/L)	NS	200	120	660	110	99	99	140	100	57	91	170	23	27	48	280	20	24	34	200	30
Total Cyanide (mg/L)	0.2		<0.01					<0.01					<0.01	<0.01					<0.01		
Total Dissolved Solids (mg/L)	500	320	5,100	810	330	240	160	340	250	170	200	300	180	160	150	530	130	150	140	560	80
Total Hardness (mg/L)	NS	42	110	94	49	36	41	46	44	31	40	56	42	34	36	77	42	35	35	130	37
Total Kjeldahl Nitrogen (mg/L)	NS	26	0.8	70	4.6	12	23	24	20	8.2	12	34	4.6	2.1	4.9	47	2.4	2.8	2	35	4.3
Total Organic Carbon (mg/L)	NS	71	21	47.8	35.5	39.3	45	56	62	42	43	61	33	30	41	84	21	24	27	78	32
Total Phenols (mg/L)	0.001	0.056	<0.005	0.008	0.012	0.003	0.0023	0.0028	0.0028	<0.002	0.003	0.0024	<0.002	0.0022	0.0093	0.0056	0.0022	<0.002	<0.002	0.0045	0.0036
Part 360 Routine Metals																					
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	11.2	29.8	24.4	12.6	9.1	10	12	11	7.7	9.6	14	10	8.5	8.8	20	10	8.7	8.7	34	9.1
Iron (mg/L)	0.3*	5.2	32.8	10.3	5.3	4.4	3.9	5.5	6.5	4.9	6.6	6.9	6.6	5.2	5.2	21	4.8	4.2	3.9	9.4	3.4
Lead (mg/L)	0.025	<0.003	0.0085	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	3.35	8.28	8.1	4.3	3.2	3.7	4.1	4.2	3	3.9	4.9	4	3.2	3.3	6.3	3.8	3.2	3.1	10	3.5
Manganese (mg/L)	0.3*	0.335	4.11	0.62	0.41	0.31	0.33	0.35	0.38	0.3	0.37	0.48	0.38	0.32	0.32	0.55	0.27	0.24	0.22	0.88	0.2
Potassium (mg/L)	NS	28.6	4.86	57	34.2	24.1	33	31	35	16	24	33	14	9.7	11	42	13	10	10	48	12
Sodium (mg/L)	20	35.8	3.43	150	27.9	18.1	21	32	18	7.4	13	46	5.7	5.2	4	81	4.6	4.7	3.1	100	4
Part 360 Additional Basiline Metals																					
Aluminum (mg/L)	NS		2.77					1.8					1.1	1.2					1.4		
Antimony (mg/L)	0.003		<0.015					<0.01					<0.01	<0.01					<0.01		
Arsenic (mg/L)	0.025		0.027					<0.01					<0.01	<0.01					0.011		
Barium (mg/L)	1		0.0855					<0.2					<0.2	<0.2					<0.2		
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.01					<0.01	<0.01					<0.01		
Boron (mg/L)	1		<0.1				0.53	0.71			<0.5	0.65	<0.5	<0.5	<0.5	1.1			<0.01	1.4	<0.5
Chromium (mg/L)	0.05		0.0097					<0.01					<0.01	<0.01					<0.01		
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01		
Cobalt (mg/L)	NS		<0.02					<0.01					<0.01	<0.01					<0.01		
Copper (mg/L)	0.2		0.0258					<0.01					<0.01	<0.01					<0.01		
Mercury (mg/L)	0.0007		<0.0002					<0.0002					<0.0002	<0.0002					<0.0002		
Nickel (mg/L)	0.1		<0.03					0.021					<0.01	<0.01					<0.01		
Selenium (mg/L)	0.01		<0.005					<0.01					<0.01	<0.01					<0.01		
Silver (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01		
Thallium (mg/L)	0.0005 (GV)		<0.01					<0.01					<0.01	<0.01					<0.01		
Vanadium (mg/L)	NS		<0.3					0.011					<0.01	<0.01					<0.01		
Zinc (mg/L)	2		0.0508					0.032					0.012	0.024					0.049		
Part 360 Volatile Organics																					
1,1,1,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5		
1,1,1-Trichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,1,2,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,1,2-Trichloroethane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,1-Dichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,1-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,2,3-Trichloropropane (µg/L)	0.04							<5.0					<5.0	<5.0					<5		
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<10.0					<5.0					<5.0	<5.0					<5		
1,2-Dibromoethane (EDB) (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5		
1,2-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5		
1,2-Dichloroethane (µg/L)	0.6		<5.0					<5.0					<5.0	<5.0				<5	<5		

City of Rome
Tannery Road Landfill
MW-4S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03
1,2-Dichloropropane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,4-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5		
2-Butanone (MEK) (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10		
2-Hexanone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10		
4-Methyl 2-pentanone (µg/L)	NS		<10.0					<10.0					<10.0	<10.0				<10	<10		
Acetone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10		
Acrylonitrile (µg/L)	5		<100.0					<20.0					<20.0	<20.0					<20		
Benzene (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5		
Bromochloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5		
Bromodichloromethane (µg/L)	50 (GV)		<5.0										<5.0	<5.0				<5	<5		
Bromoform (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Bromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5		
Carbon disulfide (µg/L)	60 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Carbon tetrachloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5		
Chlorobenzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5		
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5		
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5		
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5		
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5		
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5		
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Dibromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5		
Ethyl benzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5		
Iodomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<10		
Methylene Chloride (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<10	<10		
Styrene (µg/L)	5							<5.0					<5.0	<5.0				<5	<5		
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5		
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5		
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5		
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5		
trans-1,4-Dichloro-2-butene (µg/L)	5							<50.0					<50.0	<10.0					<10		
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5		
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5		
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20		
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5		
Xylenes (Total) (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,2-Dichloroethene - Total	5																	<5			

- Notes
- 1) < indicates not detected at or above the listed value
 - 2) NS indicates that no standard has been promulgated.
 - 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
 - 4) GV indicates that the value listed is a guidance value rather than a standard.
 - 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
 - 6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-4S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008
Field Parameter																				
Conductivity (µmhos/cm)	NS	164	203	224	450	93	437	1,200	160	100	210	300	155	83	507	668	140	170	209	504
pH (s.u.)	6.5 - 8.5	5.64	5.2	5.75	6.1	6.36	6.16	6.35	6	6.5	6.8	6.81	5.67	5.78	5.95	6.01	5.16	5.95	5.9	6.17
Redox	NS														-108					
Temperature (deg C)	NS	4.9	12.3	14.8	7	4.7		12.5	8	6	13	13.2	9.2	4.8	11	13	7.7	5	10.6	12.7
Turbidity (NTU)	5	10	341	46	70	0	66	25	0	20	18	-	6	0	13	15	5	9	2	0
Part 360 Leachate Indicator Parameters																				
Ammonia-Nitrogen (mg/L)	2	3.8	5.9	3.6	0.84	0.64	11	41	3	1.5	4.6	11	5	3.3	23	31	3.3	3.6	7.3	30
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4.0	4.3	<4	<4	<4.0	<10	20	<4	<4	<4.0	5.5	<4	<20	9.5	17	<4	6.9	<4	13
Bromide (mg/L)	2	<0.1	0.12	<0.1	<0.1	<0.10	0.12	0.54	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	0.37	<0.1	<0.1	<0.1	0.2
Chemical Oxygen Demand (mg/L)	NS	74	98	120	130	93	170	350	46	64	100	130	80	75	190	200	55	93	100	210
Chloride (mg/L)	250	2.5	8.4	7.4	3.2	3.7	12	110	4.2	3.6	3.8	13	3.8	3.2	43	60	4.6	5.5	7.6	52
Color (Pt-Co)	15			550					70	150					240					300
Nitrate-Nitrogen (mg/L)	10	<0.1	<0.1	<0.1	<0.1	0.14	0.12	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.04	0.15	<0.1
Sulfate (mg/L)	250	3.2	26	20	8	4.8	26	14	35	13	14	29	17	11	24	11	20	23	20	13
Total Alkalinity (mg/L)	NS	41	54	60	32	40	76	320	24	28	52	100	48	43	130	230	35	58	76	220
Total Cyanide (mg/L)	0.2			<0.01					<0.01	<0.01					<0.01					<0.01
Total Dissolved Solids (mg/L)	500	130	190	190	130	100	220	610	130	96	160	220	150	120	370	410	96	130	190	500
Total Hardness (mg/L)	NS	36	43	37	34	36	43	83	44	32	41	41	39	33	56	55	35	42	38	52
Total Kjeldahl Nitrogen (mg/L)	NS	3.1	5.9	6.4	1.3	1.2	15	37	31	1.5	5.8	15	7.2	4.4	23	34	5.8	5.3	1.8	32
Total Organic Carbon (mg/L)	NS	29	38	40	48	28	44	100	24	25	42	55	34	33	82	100	29	34	43	90
Total Phenols (mg/L)	0.001	<0.002	<0.002	0.0079	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.05	<0.002	<0.003	<0.003	<0.003	0.0034	<0.003	0.0032
Part 360 Routine Metals																				
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	8.8	11	9.3	8.5	8.6	11	23	12	8.1	11	12	10	8.7	16	17	9.2	11	10	15
Iron (mg/L)	0.3*	4	4.1	4.3	6.4	5.1	5	6.9	3.6	3	3.3	2.8	2.8	2.7	5.4	7.8	2.8	4.2	2.9	4.6
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.01	<0.01	0.012	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.015	<0.01	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	3.5	3.8	3.3	3.1	3.5	3.8	5.8	3.6	2.8	3.4	2.8	3.2	2.7	4.6	3.3	2.8	3.5	3	3.5
Manganese (mg/L)	0.3*	0.24	0.3	0.25	0.23	0.25	0.28	0.7	0.24	0.19	0.22	<0.01	0.2	0.2	0.44	0.51	0.22	0.29	0.25	0.38
Potassium (mg/L)	NS	12	16	17	5.1	4.5	14	60	8.9	5.7	8.2	29	8.3	7	21	40	8.6	11	11	25
Sodium (mg/L)	20	4.5	9.3	8.2	1.3	0.74	9.4	110	3.1	3	6.3	26	3.6	2.4	36	60	3.6	9	9.2	42
Part 360 Additional Basiline Metals																				
Aluminum (mg/L)	NS			1.4					0.75	1.1					1.6					2.6
Antimony (mg/L)	0.003			<0.01					<0.01	<0.01					<0.01					<0.01
Arsenic (mg/L)	0.025			<0.01					<0.01	<0.01					<0.01					<0.01
Barium (mg/L)	1			<0.2					<0.1	<0.2					<0.2					<0.2
Beryllium (mg/L)	0.003 (GV)			<0.01					<0.01	<0.01					<0.01					<0.01
Boron (mg/L)	1	<0.5		0.28					<0.5	<0.5					0.63					0.9
Chromium (mg/L)	0.05			<0.01					<0.01	<0.01					0.015					<0.01
Chromium, Hexavalent (mg/L)	0.05			<0.01					<0.01	<0.01					<0.01					<0.01
Cobalt (mg/L)	NS			<0.01					<0.01	<0.01					<0.01					<0.01
Copper (mg/L)	0.2			<0.01					<0.01	<0.01					<0.04					<0.01
Mercury (mg/L)	0.0007			<0.0002					<0.0002	<0.0002					<0.0002					<0.0002
Nickel (mg/L)	0.1			<0.01					<0.01	<0.01					<0.01					0.011
Selenium (mg/L)	0.01			<0.01					0.017	<0.01					<0.01					<0.01
Silver (mg/L)	0.05			<0.01					<0.01	<0.01					0.052					<0.01
Thallium (mg/L)	0.0005 (GV)			<0.01					<0.01	0.02					<0.01					<0.01
Vanadium (mg/L)	NS			<0.01					<0.01	<0.01					0.012					0.016
Zinc (mg/L)	2			0.019					0.016	<0.01					0.01					0.025
Part 360 Volatile Organics																				
1,1,1,2-Tetrachloroethane (µg/L)	5			<1					<1	<1					<1.0					<20
1,1,1-Trichloroethane (µg/L)	5			<1					<1	<1					<1.0					<20
1,1,2,2-Tetrachloroethane (µg/L)	5			<1					<1	<1					<1.0					<20
1,1,2-Trichloroethane (µg/L)	1			<1					<1	<1					<1.0					<20
1,1-Dichloroethane (µg/L)	5			<1					<1	<1					<1.0					<20
1,1-Dichloroethene (µg/L)	5			<1					<1	<1					<1.0					<20
1,2,3-Trichloropropane (µg/L)	0.04			<1					<1	<1					<1.0					<20
1,2-Dibromo-3-chloropropane (µg/L)	0.04			<1					<1	<1					<1.0					<20
1,2-Dibromoethane (EDB) (µg/L)	5			<1					<1	<1					<1.0					<20
1,2-Dichlorobenzene (µg/L)	3			<1					<1	<1					<1.0					<20
1,2-Dichloroethane (µg/L)	0.6			<1					<1	<1					<1.0					<20

City of Rome
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Ground Water Analytical Data

Parameter	NYSDEC	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008
	Ground Water Standard																			
1,2-Dichloropropane (µg/L)	1			<1					<1	<1					<1.0					<20
1,4-Dichlorobenzene (µg/L)	3			<1					<1						<1.0					<20
2-Butanone (MEK) (µg/L)	50 (GV)			<10					<5	<5					<5.0					<200
2-Hexanone (µg/L)	50 (GV)			<10					<5	<5					<5.0					<200
4-Methyl 2-pentanone (µg/L)	NS			<10					<5	<5					<5.0					<200
Acetone (µg/L)	50 (GV)			<10					<10	<5					<5.0					<200
Acrylonitrile (µg/L)	5			<5					<20	<20					<20					<500
Benzene (µg/L)	1			<1					<1	<1					<1.0					<20
Bromochloromethane (µg/L)	5			<1					<1	<1					<1.0					<20
Bromodichloromethane (µg/L)	50 (GV)			<1					<1	<1					<1.0					<20
Bromoform (µg/L)	50 (GV)			<1					<1	<1					<1.0					<20
Bromomethane (µg/L)	5			<1					<1	<1					<1.0					<20
Carbon disulfide (µg/L)	60 (GV)			<1					<1	<1					<1.0					<20
Carbon tetrachloride (µg/L)	5			<1					<1	<1					<1.0					<20
Chlorobenzene (µg/L)	5			<1					<1	<1					<1.0					<20
Chloroethane (µg/L)	5			<1					<1	<1					<1.0					<20
Chloroform (µg/L)	7			<1					<1	<1					<1.0					<20
Chloromethane (µg/L)	5			<1					<1	<1					<1.0					<20
cis-1,2-Dichloroethene (µg/L)	5			<1					<1	<1					<1.0					<20
cis-1,3-Dichloropropene (µg/L)	0.4**			<1					<1	<1					<1.0					<20
Dibromochloromethane (µg/L)	50 (GV)			<1					<1	<1					<1.0					<20
Dibromomethane (µg/L)	5			<1					<1	<1					<1.0					<20
Ethyl benzene (µg/L)	5			<1					<1	<1					<1.0					<20
Iodomethane (µg/L)	5			<10					<5	<5					<5.0					<100
Methylene Chloride (µg/L)	5			<10					<5	<1					<1.0					<20
Styrene (µg/L)	5			<1					<1	<1					<1.0					<20
Tetrachloroethene (µg/L)	5			<1					<1	<1					<1.0					<20
Toluene (µg/L)	5			<1					<1	<1					<1.0					<20
trans-1,2-Dichloroethene (µg/L)	5			<1					<1	<1					<1.0					<20
trans-1,3-Dichloropropene (µg/L)	0.4**			<1					<1	<1					<1.0					<20
trans-1,4-Dichloro-2-butene (µg/L)	5			<10					<5	<5					<5.0					<100
Trichloroethene (µg/L)	5			<1					<1	<1					<1.0					<20
Trichlorofluoromethane (µg/L)	5			<1					<1	<1					<1.0					<20
Vinyl Acetate (µg/L)	NS			<5					<5	<5					<5.0					<100
Vinyl Chloride (µg/L)	2			<1					<1	<1					<1.0					<20
Xylenes (Total) (µg/L)	5			<1					<1	<1					<1.0					<20
1,2-Dichloroethene - Total	5																			

- Notes
- 1) < indicates not detected at or above the listed value
 - 2) NS indicates that no standard has been promulgated.
 - 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
 - 4) GV indicates that the value listed is a guidance value rather than a standard.
 - 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
 - 6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-4S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017
Field Parameter																
Conductivity (µmhos/cm)	NS	770	106	88	387	168	93	136	325	207	230	197	90	140	90	70
pH (s.u.)	6.5 - 8.5	6.2	5.87	5.8	6.11	5.8	5.55	5.01	5.99	6.1	6.13	6.17	5.5	6.1	6.14	5.8
Redox	NS														71.4	
Temperature (deg C)	NS	7.1	5.7	13.8	12	7.8	6.1	10.9	13.4	6.9	4.7	10.9	14	7	6.1	12
Turbidity (NTU)	5	32	17	6	20	0	3	0	28	0	14	0	50	110	5	70
Part 360 Leachate Indicator Parameters																
Ammonia-Nitrogen (mg/L)	2	0.87	1.6	0.5	17	12	0.54	3.2	19.3	8.4	6.2	4.6	0.2	0.2	0.6	0.4
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4	<4	<4	11	<4.0	<2.0	<2.0	61	<4.0	<4.0	2	8	2	2.5	<4.0
Bromide (mg/L)	2	<0.1	<0.1	<0.1	<0.1	<0.1	1.9	<1.0	2.09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Chemical Oxygen Demand (mg/L)	NS	75	48	8.9	160	50	54.1	83	171	98	88	90	859	113	59	69
Chloride (mg/L)	250	3.4	3.3	2.5	13	3.2	<1.0	1.26	18.9	3.26	1.93	2.07	<1.0	1.16	<2.0	<2.0
Color (Pt-Co)	15					60	70				>70	>70	>70	70	130	55
Nitrate-Nitrogen (mg/L)	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.020	<0.020	<0.020	<0.02	0.02	<0.02	0.02	0.08	<0.04	<0.04
Sulfate (mg/L)	250	28	16	9.7	24	40	20.5	19.7	26.4	33.8	27	23	11.2	1.61	14.6	7.82
Total Alkalinity (mg/L)	NS	38	30	68	100	19	17	38	120	65	58	50	760	26	2	28
Total Cyanide (mg/L)	0.2					<0.01	<0.010				<0.01	<0.01	<0.010	<0.01	<0.01	<0.01
Total Dissolved Solids (mg/L)	500	120	90	120	250	130	108	117	268	218	193	140	85	80	20	100
Total Hardness (mg/L)	NS	40	34	36	35	53	36	42	42	42	48	45	47	39	35	37
Total Kjeldahl Nitrogen (mg/L)	NS	3.2	2.4	1.1	20	3.9	1.4	4.2	18.5	9.8	9.5	4.5	4.8	1.4	2.8	<1.0
Total Organic Carbon (mg/L)	NS	25	23	22	66	23	22.5	37	59.3	40.8	38.1	40.2	35.9	41.6	21.6	23.1
Total Phenols (mg/L)	0.001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002
Part 360 Routine Metals																
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.010	<0.01	<0.00013	<0.005	<0.005	<0.005	0.00026	<0.00021	0.0011	<0.005	<0.005	<0.005
Calcium (mg/L)	NS	10	9	9.4	10	14	9.72	11.7	12.7	11.9	13	12.5	12.7	11.5	10.4	11.2
Iron (mg/L)	0.3*	4.7	2.9	1.5	4	2.6	1.08	1.85	3.38	2.51	2.93	3.17	3.82	3.89	3.05	2.26
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.010	<0.01	<0.002	<0.005	<0.005	<0.005	<0.0019	<0.0018	0.022	<0.005	<0.005	<0.005
Magnesium (mg/L)	35 (GV)	3.7	2.9	3.1	2.4	4.4	2.84	3.01	2.56	2.88	3.72	3.36	3.37	2.4	2.27	2.09
Manganese (mg/L)	0.3*	0.24	0.22	0.15	0.23	0.24	0.115	0.194	0.317	0.255	0.333	0.323	0.254	0.263	0.241	0.197
Potassium (mg/L)	NS	4.4	4.5	2.7	24	6.2	1.35	6.92	24.4	14.5	12.2	5.68	1.15	0.671	1.29	1.24
Sodium (mg/L)	20	2.5	2.7	1.6	30	4.1	1.25	5.5	32.2	10.6	8.09	4.94	1.54	0.766	1.78	0.906
Part 360 Additional Basiline Metals																
Aluminum (mg/L)	NS					0.77	0.678				1.05	1.37	4.83	2.03	0.909	1.14
Antimony (mg/L)	0.003					<0.01	<0.020				<0.0196	0.0017	0.009	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025					<0.01	<0.002				0.0052	<0.0022	<0.002	0.006	<0.005	<0.005
Barium (mg/L)	1					<0.1	0.008				0.0242	0.0138	0.023	0.012	<0.01	<0.01
Beryllium (mg/L)	0.003 (GV)					<0.01	<0.00014				<0.00014	<0.00016	<0.0001	<0.005	<0.005	<0.005
Boron (mg/L)	1					<0.5	0.036				0.214	0.156	0.041	<0.05	<0.05	<0.05
Chromium (mg/L)	0.05					<0.01	<0.005				<0.0047	<0.0051	0.008	<0.005	<0.005	<0.005
Chromium, Hexavalent (mg/L)	0.05					<0.01	<0.020				<0.020	<0.02	<0.020	<0.02	<0.02	<0.02
Cobalt (mg/L)	NS					<0.01	<0.000				<0.00043	0.00069	0.003	<0.05	<0.05	<0.05
Copper (mg/L)	0.2					<0.01	<0.003				<0.002	<0.0025	0.076	<0.005	<0.005	<0.005
Mercury (mg/L)	0.0007					<0.0002	<0.00007				<0.00006	<0.0001	<0.15	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1					<0.01	0.001				0.0018	0.002	0.0079	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01					<0.01	<0.003				<0.0025	<0.0015	<0.003	0.012	<0.005	<0.005
Silver (mg/L)	0.05					<0.01	<0.003				<0.0028	<0.0014	<0.003	<0.01	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)					<0.02	0.009				0.0335	0.003	0.005	<0.01	<0.01	<0.01
Vanadium (mg/L)	NS					<0.01	0.007				<0.0049	0.0067	<0.011	<0.02	<0.02	<0.02
Zinc (mg/L)	2					0.025	0.009				0.0105	0.0017	0.041	0.013	<0.01	<0.01
Part 360 Volatile Organics																
1,1,1,2-Tetrachloroethane (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane (µg/L)	1					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane (µg/L)	0.04					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04					<1	<10				<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene (µg/L)	3					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane (µg/L)	0.6					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

City of Rome
Tannery Road Landfill
MW-4S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017
1,2-Dichloropropane (µg/L)	1					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene (µg/L)	3					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone (MEK) (µg/L)	50 (GV)					<10	<10				<10	<10	<10	<10	<10	<10
2-Hexanone (µg/L)	50 (GV)					<10	<10				<10	<10	<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS					<10	<10				<10	<10	<10	<10	<10	<10
Acetone (µg/L)	50 (GV)					<10	<10				<10	<10	<10	<10	<10	<10
Acrylonitrile (µg/L)	5					<20	<25				<25	<25	<25	<25	<25	<25
Benzene (µg/L)	1					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromochloromethane (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane (µg/L)	50 (GV)					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform (µg/L)	50 (GV)					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane (µg/L)	5					<1	<10				<10	<10	<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane (µg/L)	5					<1	<10				<10	<10	<10	<10	<10	<10
Chloroform (µg/L)	7					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane (µg/L)	5					<1	<10				<10	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane (µg/L)	50 (GV)					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromomethane (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethyl benzene (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Iodomethane (µg/L)	5					<5	<10				<10	<10	<10	<10	<10	<10
Methylene Chloride (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5					<5	<10				<10	<10	<10	<10	<10	<10
Trichloroethene (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichlorofluoromethane (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Acetate (µg/L)	NS					<5	<10				<10	<10	<10	<10	<10	<10
Vinyl Chloride (µg/L)	2					<1	<10				<10	<10	<10	<10	<10	<10
Xylenes (Total) (µg/L)	5					<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethene - Total	5															

- Notes
- 1) < indicates not detected at or above the listed value
 - 2) NS indicates that no standard has been promulgated.
 - 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
 - 4) GV indicates that the value listed is a guidance value rather than a standard.
 - 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
 - 6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-4S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	9/20/2018	12/11/2019	3/25/2021	6/21/2022	9/27/2023	12/3/2024
<u>Field Parameter</u>							
Conductivity (µmhos/cm)	NS	360	78.3	93	104	115.9	724.5
pH (s.u.)	6.5 - 8.5	6.1	6.05	6.41	5.56	5.93	6.42
Redox	NS		90.2	79.6	73.1	54.2	35.1
Temperature (deg C)	NS	15	8.5	6.6	10	13.0	9.17
Turbidity (NTU)	5	0	10	8.64	6.31	8.65	6.12
<u>Part 360 Leachate Indicator Parameters</u>							
Ammonia-Nitrogen (mg/L)	2	18.5	0.6	1.5	0.5	0.8	<1
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	16	<4.0	<4.0	<4.0	2.5 J	<4
Bromide (mg/L)	2	<2.0	<2.0	<1.0	<1.0	<1.0	<2
Chemical Oxygen Demand (mg/L)	NS	195	76	59	91	93	75
Chloride (mg/L)	250	9.21	<2.0	<2.0	<2.0	<2.0	<2
Color (Pt-Co)	15	600	140	100	208	160	180
Nitrate-Nitrogen (mg/L)	10	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Sulfate (mg/L)	250	29.2	<4.0	28.1	4.78	16.2	6.71
Total Alkalinity (mg/L)	NS	130	30	11	28	44	20
Total Cyanide (mg/L)	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Dissolved Solids (mg/L)	500	210	90	55	110	125	85
Total Hardness (mg/L)	NS	35	35	41	40	32	31
Total Kjeldahl Nitrogen (mg/L)	NS	21.3	<1.0	3.4	1.1	4.5	1.1
Total Organic Carbon (mg/L)	NS	74.7	29.3	30.4	33	37.4	32.3
Total Phenols (mg/L)	0.001	0.015	0.01	<0.004	<0.004	<0.004	<0.004
<u>Part 360 Routine Metals</u>							
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (mg/L)	NS	11.1	10.6	12.9	12.6	11.1	9.88
Iron (mg/L)	0.3*	2.78	2.3	2.02	2.68	2.93	4.31
Lead (mg/L)	0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	35 (GV)	1.7	2.11	2.2	1.98	1.04	1.6
Manganese (mg/L)	0.3*	0.38	0.203	0.104	0.246	0.279	0.243
Potassium (mg/L)	NS	20.8	1.16	0.357	1.39	6.81	1.72
Sodium (mg/L)	20	23	2.28	1.14	1.03	5.54	1.33
<u>Part 360 Additional Basiline Metals</u>							
Aluminum (mg/L)	NS	1.79	1.42	0.622	1.09	1.2	1.31
Antimony (mg/L)	0.003	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Barium (mg/L)	1	0.029	<0.01	0.013	<0.01	0.015	<0.01
Beryllium (mg/L)	0.003 (GV)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron (mg/L)	1	0.443	<0.05	<0.05	<0.05	0.112	<0.05
Chromium (mg/L)	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent (mg/L)	0.05	<0.02	<0.02	<0.02	<0.02 J	<0.02	<0.02
Cobalt (mg/L)	NS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper (mg/L)	0.2	<0.005	<0.005	0.008	<0.005	<0.005	<0.005
Mercury (mg/L)	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01	0.01	<0.005	<0.005	<0.005	<0.005	<0.005
Silver (mg/L)	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium (mg/L)	NS	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc (mg/L)	2	<0.01	<0.01	<0.01	<0.01	<0.01	0.014
<u>Part 360 Volatile Organics</u>							
1,1,1,2-Tetrachloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,1,1-Trichloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1,2,2-Tetrachloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1,2-Trichloroethane (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1-Dichloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2,3-Trichloropropane (µg/L)	0.04	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,2-Dichlorobenzene (µg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloroethane (µg/L)	0.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5

City of Rome
Tannery Road Landfill
MW-4S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	9/20/2018	12/11/2019	3/25/2021	6/21/2022	9/27/2023	12/3/2024
1,2-Dichloropropane (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,4-Dichlorobenzene (µg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5
2-Butanone (MEK) (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10
2-Hexanone (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS	<10	<10	<10	<10	<10	<10
Acetone (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10
Acrylonitrile (µg/L)	5	<25	<25	<25	<25	<25	<25
Benzene (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromochloromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromodichloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromoform (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromomethane (µg/L)	5	<10	<10	<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Carbon tetrachloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chlorobenzene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chloroethane (µg/L)	5	<10	<10	<10	<10	<10	<10
Chloroform (µg/L)	7	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chloromethane (µg/L)	5	<10	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
cis-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Dibromochloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Dibromomethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Ethyl benzene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Iodomethane (µg/L)	5	<10	<10	<10	<10	<10	<10
Methylene Chloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Styrene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Tetrachloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Toluene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,4-Dichloro-2-butene (µg/L)	5	<10	<10	<10	<10	<10	<10
Trichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Trichlorofluoromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Vinyl Acetate (µg/L)	NS	<10	<10	<10	<10	<10	<10
Vinyl Chloride (µg/L)	2	<10	<10	<10	<10	<10	<10
Xylenes (Total) (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloroethene - Total	5						

- Notes
- 1) < indicates not detected at or above the listed value
 - 2) NS indicates that no standard has been promulgated.
 - 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
 - 4) GV indicates that the value listed is a guidance value rather than a standard.
 - 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
 - 6) ** Indicates standard applies to the sum of the isomers

City of Rome Tannery Road Landfill MW-5S Ground Water Analytical Data																									
Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04
Field Parameter																									
Conductivity (µmhos/cm)	NS	869	340	308	195	540	230	167	219	456	163	433	227	232	223	112	252	227	208	102	230	306	112	118	276
pH (s.u.)	6.5 - 8.5	7.56	6.75	6.48	7.3	6.46	6.75	6.85	6.67	6.26	6.5	6.75	6.84	6.57	6.85	5.67		6.5	6.77	6.85	6.9	6.15	6.1	6.44	6.6
Redox	NS																								
Temperature (deg C)	NS	5.2	16.2	13.1	7	6.5	10.9	12.8	6.6	6	14.6	11.6	7.7	4.8	10.1	13.2	6.9	5.5	13.1	14.3	7	5.4	11.3	14.1	8
Turbidity (NTU)	5	64	533	204	162	74	55	198	46	35	42	68	36	47		837	0	27	334	202	140	41	150	108	154
Part 360 Leachate Indicator Parameters																									
Ammonia-Nitrogen (mg/L)	2	1.5	<0.5	<0.3	<0.3	<0.3	0.11	0.11	0.34	1.3	0.34	1.4	0.43	0.82	0.26	0.09	0.57	0.65	0.71	0.058	0.4	0.83	<0.03	<0.03	<0.03
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	11	11	2	2	62	20	<2.0	<4.0	<4.0	<4.0	4.7	<4.0	<4.0	<4.0	9.5	<4.0	<4.0	<4	<4.0	<4	<4.0	<4	<4	<4
Bromide (mg/L)	2	<0.2	<0.2	<2.0	<2.0	<2.0	1.3	<0.1	<0.1	<0.1	<0.1	0.13	<0.1	<0.1	<0.1	<0.1	<0.1	0.12	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	71	45	32	20	36	24	32	26	37	5.2	43	23	31	18	62	20	16	69	22	32	25	25	15	14
Chloride (mg/L)	250	14	3	2.4	3.2	5.9	94	2.9	2.3	5	2.9	6	3.2	3.1	2.9	2.6	2.8	4.1	4	3.2	4.3	4.2	2.9	2.6	2.5
Color (Pt-Co)	15		110					30					75	150					125						450
Nitrate-Nitrogen (mg/L)	10	<0.2	<0.2	<0.2	0.8	0.6	0.16	0.1	<0.1	<0.1	0.22	<0.1	<0.1	<0.1	<0.1	0.19	<0.1	<0.1	0.15	0.12	0.18	<0.1	0.19	0.2	0.19
Sulfate (mg/L)	250	37	40	28	31	51	16	44	60	42	34	53	36	23	18	21	23	21	22	16	14	21	11	9.6	8.3
Total Alkalinity (mg/L)	NS	470	170	300	58	260	120	52	47	200	50	190	68	82	80	40	110	97	86	32	100	110	48	38	88
Total Cyanide (mg/L)	0.2		<0.01										<0.01	<0.01					<0.01					<0.01	
Total Dissolved Solids (mg/L)	500	430	130	230	150	360	730	140	150	300	120	240	200	78	110	180	170	160	170	92	160	180	80	66	90
Total Hardness (mg/L)	NS	320	130	148	81	228	120	96	110	200	78	230	110	110	93	110	120	130	120	66	110	130	54	52	94
Total Kjeldahl Nitrogen (mg/L)	NS	3.1	1.1	0.9	0.4	<0.3	0.61	0.69	0.8	1.8	0.67	1.6	0.62	0.89	0.39	1.4	0.63	0.66	0.79	0.37	0.59	1.3	0.41	0.2	0.14
Total Organic Carbon (mg/L)	NS	22	15	15.1	17.1	16.8	9.7	9.1	8.5	13	7.2	13	9.6	11	6.5	22	8.1	8.1	10	5.7	10	8.9	4.5	3.6	5.4
Total Phenols (mg/L)	0.001	<0.005	<0.005	<0.001	0.003	0.001	0.0024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0097	0.0033	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0039	<0.002	
Part 360 Routine Metals																									
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	97.8	35	43	23.3	69.9	35	27	31	64	23	72	35	35	30	27	41	42	39	20	35	42	17	16	24
Iron (mg/L)	0.3*	31.4	20.8	14.2	9.3	24.8	7.6	11	8	15	10	15	6.1	12	8.2	97	11	10	11	13	30	9	6.3	4.7	22
Lead (mg/L)	0.025	<0.003	0.0056	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	18.6	10.2	9.8	5.5	13	7.9	6.7	7.3	10	5.1	12	6	5.3	4.2	9.5	5	5.3	4.8	4	4.9	5.7	2.8	2.9	4.2
Manganese (mg/L)	0.3*	12.2	4.16	6.5	2.6	8.5	2.8	1.4	1.8	2.6	0.37	2.5	1.4	1.6	1.4	3.6	1.4	0.92	0.65	0.48	1	0.67	0.32	0.34	0.63
Potassium (mg/L)	NS	8.94	4.89	3.4	3.8	6.6	5	4.7	5.1	8.8	24	9.4	5.6	4.4	4.2	5.1	5	4.7	4.6	3.3	4.7	5.1	2.4	2.4	2.7
Sodium (mg/L)	20	12.1	3.34	11	3.1	5.3	1.9	1.3	<1.0	3.8	13	4.8	1.4	1.6	1	<1.0	1.4	1.5	2.2	<1	2.1	4.4	<1	<1	1.2
Part 360 Additional Baseline Metals																									
Aluminum (mg/L)	NS		3.2					2					0.41	0.54					0.73					0.44	
Antimony (mg/L)	0.003		<0.015					0.022					<0.01	<0.01					<0.01					<0.01	
Arsenic (mg/L)	0.025		0.0138					<0.01					<0.01	0.013					0.031					0.013	
Barium (mg/L)	1		0.0655					<0.2					<0.2	<0.2					<0.2					<0.2	
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01	
Boron (mg/L)	1		<0.1				<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5		0.014	
Chromium (mg/L)	0.05		0.0109					<0.01					<0.01	<0.01					<0.01					<0.01	
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01	
Cobalt (mg/L)	NS		<0.02					<0.01					<0.01	<0.01					<0.01					<0.01	
Copper (mg/L)	0.2		0.0295					0.014					<0.01	<0.01					<0.01					<0.01	
Mercury (mg/L)	0.0007		<0.0002																						

City of Rome Tannery Road Landfill MW-5S Ground Water Analytical Data																									
Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04
2-Butanone (MEK) (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10	
2-Hexanone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10	
4-Methyl 2-pentanone (µg/L)	NS		<10.0					<10.0					<10.0	<10.0				<10	<10					<10	
Acetone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10	
Acrylonitrile (µg/L)	5		<100.0					<20.0					<20.0	<20.0					<20					<5	
Benzene (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Bromochloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
Bromodichloromethane (µg/L)	50 (GV)		<5.0										<5.0	<5.0				<5	<5					<1	
Bromoform (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Bromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Carbon disulfide (µg/L)	60 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Carbon tetrachloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Chlorobenzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Dibromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
Ethyl benzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Iodomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<10					<10	
Methylene Chloride (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<10	<10					<10	
Styrene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
trans-1,4-Dichloro-2-butene (µg/L)	5							<50.0					<50.0	<10.0					<10					<10	
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20					<5	
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Xylenes (Total) (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,2-Dichloroethene - Total	5																	<5							
Notes																									
1) < indicates not detected at or above the listed value																									
2) NS indicates that no standard has been promulgated.																									
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.																									
4) GV indicates that the value listed is a guidance value rather than a standard.																									
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.																									
6) ** Indicates standard applies to the sum of the isomers																									

City of Rome Tannery Road Landfill MW-5S Ground Water Analytical Data																						
Parameter	NYSDEC Ground Water Standard	3/22/05	6/28/05	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/08	6/19//2008	9/23//2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010
Field Parameter																						
Conductivity (µmhos/cm)	NS	182	227	178	550	270	420	102	324	172	109	97	324	326	79	80	324	274	108	81	119	52
pH (s.u.)	6.5 - 8.5	7.18	6.66	6.9	5.9	6.9	7.2	7.19	6.45	6.38	6.72	6.32	6.13	6.38	6.75	6.48	6.67	5.92	6.13	6.13	6.4	6.2
Redox	NS																					
Temperature (deg C)	NS	5.7		12.5	9	6	11	12	9.4	5.5	9.8	11.1	7.4	5.1	8.7	11.5	7.8	5.1	10.6	10.5	7.9	5.2
Turbidity (NTU)	5	8	149	119	38	50	10	-	28	0	161	260	15	55	78	3	74	121	310	127	22	107
Part 360 Leachate Indicator Parameters																						
Ammonia-Nitrogen (mg/L)	2	0.15	<0.03	<0.03	0.82	0.93	0.055	<0.03	0.88	0.28	0.14	<0.03	0.51	0.83	<0.03	<0.03	1.2	0.44	<0.03	<0.030	0.058	<0.1
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4.0	<4.0	<4.0	7.6	<4	<4.0	<4	<4	<4	<4	<4	5.2	<5	<4	<4	<4	<4	<4	<4.0	<4.0	<2.0
Bromide (mg/L)	2	<0.1	0.24	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0
Chemical Oxygen Demand (mg/L)	NS	18	16	15	23	22	8.9	16	23	12	19	30	14	30	<5	7.6	40	14	<5	20	<5.0	8.2
Chloride (mg/L)	250	3	2.6	3.1	3.2	3	2.5	2.9	2.7	2.9	2.7	2.2	3	<2	2.7	2.2	3.1	2.6	2.4	2.5	2.4	<1.0
Color (Pt-Co)	15				130	140					100					200					<5	<5.0
Nitrate-Nitrogen (mg/L)	10	0.14	0.13	0.23	<0.1	<0.1	<0.10	0.13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.04	0.17	0.18	<0.1	<0.1	<0.1	<0.1	<0.1	0.03
Sulfate (mg/L)	250	7.3	9	7.6	12	14	8.6	8.8	8.1	9.4	8.2	7.3	6	8.3	6.6	6.7	6.8	7.9	8.1	6.9	5.6	10.2
Total Alkalinity (mg/L)	NS	140	24	64	230	110	44	52	150	78	56	44	170	150	37	240	200	140	120	78	60	17
Total Cyanide (mg/L)	0.2				<0.01	<0.01					<0.01					<0.01					<0.01	<0.010
Total Dissolved Solids (mg/L)	500	170	52	90	290	170	66	120	210	140	86	74	210	160	82	92	170	120	48	48	<10	25
Total Hardness (mg/L)	NS	130	31	84	230	130	55	49	150	78	110	45	160	140	42	41	150	110	18	34	68	22
Total Kjeldahl Nitrogen (mg/L)	NS	0.32	0.66	0.39	1.1	0.8	0.23	0.48	1.1	0.51	0.37	0.42	1.2	1.8	1.4	0.34	2.8	0.77	0.25	0.66	0.23	<1.0
Total Organic Carbon (mg/L)	NS	5.6	5.1	5.4	9.7	9.4	4.7	4.3	7.2	4.2	5	12	7.8	7.8	3.9	4.6	4.7	6.9	5.7	3.9	5.1	3
Total Phenols (mg/L)	0.001	<0.01	0.0037	<0.002	0.0035	0.0021	0.0032	<0.002	<0.05	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002
Part 360 Routine Metals																						
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.00013
Calcium (mg/L)	NS	40	9.3	24	71	42	16	15	47	23	16	13	48	43	13	12	45	35	4.6	9.6	20	6.02
Iron (mg/L)	0.3*	15	7.6	24	19	11	2.6	2.8	12	4.8	13	65	12	9.1	5.9	6.4	17	11	1	12	6.6	18.3
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.002
Magnesium (mg/L)	35 (GV)	8.1	1.9	5.7	12	6.6	3.7	2.9	9	4.9	3.8	2.9	8.8	7.4	2.6	2.6	9	6.5	1.5	2.4	4.3	1.58
Manganese (mg/L)	0.3*	1.3	0.063	0.82	1.6	0.52	0.32	<0.01	0.88	0.49	0.44	0.34	0.96	0.89	0.32	0.4	1.1	1.1	0.02	0.16	0.64	0.178
Potassium (mg/L)	NS	3.3	1.5	3.2	5.4	4	1.7	1.8	2.5	1.9	1.8	1.6	4.2	3.8	1.5	1.6	3.9	2.6	<1	1.2	2	0.609
Sodium (mg/L)	20	<1.0	<1.0	1.1	2	1.5	<1.0	<1	1.2	1.2	1	1.5	1.3	1.1	1	<1	1.6	<1	<1	<1.0	<1.0	0.365
Part 360 Additional Baseline Metals																						
Aluminum (mg/L)	NS				0.14	0.35					0.64					1.2					0.15	0.234
Antimony (mg/L)	0.003				<0.01	<0.01					<0.01					<0.01				<0.01	<0.01	<0.020
Arsenic (mg/L)	0.025				<0.02	<0.01					<0.01					<0.01				<0.01	<0.01	0.008
Barium (mg/L)	1				0.14	<0.2					<0.2					<0.2				<0.1	0.019	
Beryllium (mg/L)	0.003 (GV)				<0.01	<0.01					<0.01					<0.01				<0.01	<0.01	<0.00014
Boron (mg/L)	1				<0.5	<0.5					<0.5					<0.5				<0.5	<0.001	
Chromium (mg/L)	0.05				<0.01	<0.01					<0.01					<0.01				<0.01	<0.01	<0.005
Chromium, Hexavalent (mg/L)	0.05				<0.01	<0.01					<0.01					<0.01				<0.01	<0.01	<0.020
Cobalt (mg/L)	NS				<0.01	<0.01					<0.01					<0.01				<0.01	<0.01	0.001
Copper (mg/L)	0.2				<0.01	<0.01					<0.04					<0.01				<0.01	<0.01	<0.003
Mercury (mg/L)	0.0007				<0.0002	<0.0002					<0.0002					<0.0002				<0.0002	<0.0007	
Nickel (mg/L)	0.1				<0.01	<0.01					<0.01					<0.01				<0.01	<0.01	<0.001
Selenium (mg/L)	0.01				<0.01	<0.01					<0.01					<0.01				<0.01	<0.01	<0.003
Silver (mg/L)	0.05				<0.01	<0.01					0.049					<0.01				<0.01	<0.01	<0.003
Thallium (mg/L)	0.0005 (GV)				<0.01	<0.01					<0.01					<0.01				<0.02	0.003	
Vanadium (mg/L)	NS				<0.01	<0.01					<0.01					<0.01				<0.01	<0.01	<0.005
Zinc (mg/L)	2				<0.01	0.015					0.023					0.022				<0.02		0.006
Part 360 Volatile Organics																						
1,1,1,2-Tetrachloroethane (µg/L)	5				<1	<1					<1.0					<1				<1	<1	<5.0
1,1,1-Trichloroethane (µg/L)	5				<1	<1					<1.0					<1				<1	<1	<5.0
1,1,2,2-Tetrachloroethane (µg/L)	5				<1	<1					<1.0					<1				<1	<1	<5.0
1,1,2-Trichloroethane (µg/L)	1				<1	<1					<1.0					<1				<1	<1	<5.0
1,1-Dichloroethane (µg/L)	5				<1	<1					<1.0					<1				<1	<1	<5.0
1,1-Dichloroethene (µg/L)	5				<1	<1					<1.0					<1				<1	<1	<5.0
1,2,3-Trichloropropane (µg/L)	0.04				<1	<1					<1.0					<1				<1	<1	<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04				<1	<1					<1.0					<1				<1	<1	<10
1,2-Dibromoethane (EDB) (µg/L)	5				<1	<1					<1.0					<1				<1	<1	<5.0
1,2-Dichlorobenzene (µg/L)	3				<1	<1					<1.0					<1				<1	<1	<5.0
1,2-Dichloroethane (µg/L)	0.6				<1	<1					<1.0					<1				<1	<1	<5.0
1,2-Dichloropropane (µg/L)	1				<1	<1					<1.0					<1				<1	<1	<5.0
1,4-Dichlorobenzene (µg/L)	3				<1						<1.0					<10				<1	<1	<5.0

City of Rome Tannery Road Landfill MW-5S Ground Water Analytical Data																							
Parameter	NYSDEC Ground Water Standard	3/22/05	6/28/05	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/08	6/19//2008	9/23//2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	
2-Butanone (MEK) (µg/L)	50 (GV)				<5	<5					<5.0					<10					<10	<10	
2-Hexanone (µg/L)	50 (GV)				<5	<5					<5.0					<10					<10	<10	
4-Methyl 2-pentanone (µg/L)	NS				<5	<5					<5.0					<20					<10	<10	
Acetone (µg/L)	50 (GV)				<10	<5					<5.0					<1					<10	<10	
Acrylonitrile (µg/L)	5				<20	<20					<20					<1					<20	<25	
Benzene (µg/L)	1				<1	<1					<1.0					<1					<1	<5.0	
Bromochloromethane (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
Bromodichloromethane (µg/L)	50 (GV)				<1	<1					<1.0					<1					<1	<5.0	
Bromoform (µg/L)	50 (GV)				<1	<1					<1.0					<1					<1	<5.0	
Bromomethane (µg/L)	5				<1	<1					<1.0					<1					<1	<10	
Carbon disulfide (µg/L)	60 (GV)				<1	<1					<1.0					<1					<1	<5.0	
Carbon tetrachloride (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
Chlorobenzene (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
Chloroethane (µg/L)	5				<1	<1					<1.0					<1					<1	<10	
Chloroform (µg/L)	7				<1	<1					<1.0					<1					<1	<5.0	
Chloromethane (µg/L)	5				<1	<1					<1.0					<1					<1	<10	
cis-1,2-Dichloroethene (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
cis-1,3-Dichloropropene (µg/L)	0.4**				<1	<1					<1.0					<1					<1	<5.0	
Dibromochloromethane (µg/L)	50 (GV)				<1	<1					<1.0					<1					<1	<5.0	
Dibromomethane (µg/L)	5				<1	<1					<1.0					<5					<1	<5.0	
Ethyl benzene (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
Iodomethane (µg/L)	5				<5	<5					<5.0					<1					<5	<10	
Methylene Chloride (µg/L)	5				<5	<1					<1.0					<1					<1	<5.0	
Styrene (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
Tetrachloroethene (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
Toluene (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
trans-1,2-Dichloroethene (µg/L)	5				<1	<1					<1.0					<5					<1	<5.0	
trans-1,3-Dichloropropene (µg/L)	0.4**				<1	<1					<1.0					<1					<1	<5.0	
trans-1,4-Dichloro-2-butene (µg/L)	5				<5	<5					<5.0					<1					<5	<10	
Trichloroethene (µg/L)	5				<1	<1					<1.0					<5					<1	<5.0	
Trichlorofluoromethane (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
Vinyl Acetate (µg/L)	NS				<5	<5					<5.0					<1					<5	<10	
Vinyl Chloride (µg/L)	2				<1	<1					<1.0										<1	<10	
Xylenes (Total) (µg/L)	5				<1	<1					<1.0										<1	<5.0	
1,2-Dichloroethene - Total	5																						
Notes																							
1) < indicates not detected at or above the listed value																							
2) NS indicates that no standard has been promulgated.																							
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.																							
4) GV indicates that the value listed is a guidance value rather than a standard.																							
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.																							
6) ** Indicates standard applies to the sum of the isomers																							

City of Rome Tannery Road Landfill MW-5S Ground Water Analytical Data																
Parameter	NYSDEC Ground Water Standard	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021	6/21/2022	9/27/2023	12/3/2024
Field Parameter																
Conductivity (µmhos/cm)	NS	185	129	237	252	100	100	140	130	100	140	150	186	213	138.9	753.6
pH (s.u.)	6.5 - 8.5	5.36	6.37	6.6	5.98	6.77	6.4	6	6.69	6.3	6.2	6.74	6.44	6.06	6.50	6.11
Redox	NS								27.9			-20.6	35.7	85.3	49.9	112.0
Temperature (deg C)	NS	9.9	12.5	7	4.2	9.6	14	6	5	11	15	9.2	5.8	8.9	12.7	9.78
Turbidity (NTU)	5	116	102	0	73	97	50	320	18	290	120	150	20.19	13.59	8.12	0.48
Part 360 Leachate Indicator Parameters																
Ammonia-Nitrogen (mg/L)	2	<0.1	<0.1	0.3	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<2.0	<4.0	<4.0	<4.0	<4.0	<4.0	2	<4.0	<4.0	<<4.0	<4.0	<4.0	<4.0	<4.0	<4
Bromide (mg/L)	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<2
Chemical Oxygen Demand (mg/L)	NS	<5.0	9	13	8	<5.0	147	26	9	19	<5.0	14	13	9	9	12
Chloride (mg/L)	250	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2
Color (Pt-Co)	15				10	5	5	15	5	5	10	8	8	6	6	12
Nitrate-Nitrogen (mg/L)	10	<0.020	<0.020	<0.02	0.02	<0.02	<0.02	0.09	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<0.04	<0.04
Sulfate (mg/L)	250	6.37	5.4	5.86	5.32	6.32	5.83	6.03	8.95	7.94	6.75	<4.0	6.27	4.18	<4.0	<4
Total Alkalinity (mg/L)	NS	95	50	135	100	44	40	42	5	48	80	72	92	100	80	84
Total Cyanide (mg/L)	0.2				<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Dissolved Solids (mg/L)	500	102	95	138	153	60	60	50	35	80	40	<5.0	25	20	85	105
Total Hardness (mg/L)	NS	111	54	113	109	53	49	82	58	54	43	74	98	98	81	86
Total Kjeldahl Nitrogen (mg/L)	NS	<1.0	<1.0	1.4	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1
Total Organic Carbon (mg/L)	NS	4	3.6	5.6	4.8	3.1	3.9	7.9	2.5	2.5	5	5.2	43.5	5.3	4.5	4.2
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.004	0.056	<0.004	<0.004	<0.004	<0.004
Part 360 Routine Metals																
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	<0.00013	0.00023	<0.00015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (mg/L)	NS	32.5	15.5	34.6	32.1	15.4	14.6	24	17.1	16.1	10.9	20.4	28	26.6	23	24.2
Iron (mg/L)	0.3*	6.1	6.53	6.73	3.39	8.94	5.41	3.8	4.5	3.92	1.97	3.18	5.09	2.75	2.4	2.51
Lead (mg/L)	0.025	<0.005	<0.005	<0.005	<0.0019	<0.0018	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	35 (GV)	7.29	3.65	6.55	6.97	3.45	3.13	5.38	3.81	3.23	3.87	5.63	6.82	7.67	5.69	6.3
Manganese (mg/L)	0.3*	1.38	0.277	0.739	0.585	0.217	0.221	0.564	0.422	0.296	0.203	0.326	0.385	0.166	0.352	0.348
Potassium (mg/L)	NS	1.77	1.33	1.73	1.46	1.09	0.936	1.19	0.845	1.12	0.858	2.13	2.04	2.14	2.61	2.71
Sodium (mg/L)	20	0.798	0.646	0.734	0.705	0.418	0.574	0.392	0.668	0.349	0.753	1.6	0.788	0.481	0.974	0.514
Part 360 Additional Baseline Metals																
Aluminum (mg/L)	NS				0.0462	0.445	0.28	0.329	<0.1	0.119	0.216	0.138	<0.1	0.115	0.139	<0.1
Antimony (mg/L)	0.003				<0.0196	<0.0011	<0.002	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025				0.0039	0.0097	<0.002	<0.005	<0.0002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Barium (mg/L)	1				0.0323	0.0358	0.028	0.03	<0.005	0.016	0.011	0.014	0.018	0.014	0.012	0.013
Beryllium (mg/L)	0.003 (GV)				0.00019	<0.00016	<0.0001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron (mg/L)	1				0.0066	<0.00057	0.001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium (mg/L)	0.05				<0.0047	<0.0051	<0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent (mg/L)	0.05				<0.020	<0.02	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02 J	<0.02	<0.02
Cobalt (mg/L)	NS				0.00067	0.00061	<0.001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper (mg/L)	0.2				<0.002	<0.0025	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury (mg/L)	0.0007				<0.00006	<0.0001	<0.15	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1				0.00081	0.0011	0.00049	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01				<0.0025	<0.0015	<0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver (mg/L)	0.05				<0.0028	<0.0014	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)				0.0153	<0.0018	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium (mg/L)	NS				<0.0049	<0.0054	<0.011	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc (mg/L)	2				0.0026	0.0015	0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Part 360 Volatile Organics																
1,1,1,2-Tetrachloroethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,1,1-Trichloroethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1,2,2-Tetrachloroethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1,2-Trichloroethane (µg/L)	1				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1-Dichloroethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1-Dichloroethene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2,3-Trichloropropane (µg/L)	0.04				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,2-Dibromo-3-chloropropane (µg/L)	0.04				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,2-Dichlorobenzene (µg/L)	3				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloroethane (µg/L)	0.6				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloropropane (µg/L)	1				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,4-Dichlorobenzene (µg/L)	3				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5

City of Rome
Tannery Road Landfill
MW-5S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021	6/21/2022	9/27/2023	12/3/2024
2-Butanone (MEK) (µg/L)	50 (GV)				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone (µg/L)	50 (GV)				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone (µg/L)	50 (GV)				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile (µg/L)	5				<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Benzene (µg/L)	1				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromochloromethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromodichloromethane (µg/L)	50 (GV)				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromoform (µg/L)	50 (GV)				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromomethane (µg/L)	5				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Carbon tetrachloride (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chlorobenzene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chloroethane (µg/L)	5				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform (µg/L)	7				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chloromethane (µg/L)	5				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
cis-1,3-Dichloropropene (µg/L)	0.4**				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Dibromochloromethane (µg/L)	50 (GV)				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Dibromomethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Ethyl benzene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Iodomethane (µg/L)	5				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Styrene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Tetrachloroethene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Toluene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,2-Dichloroethene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,3-Dichloropropene (µg/L)	0.4**				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,4-Dichloro-2-butene (µg/L)	5				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Trichloroethene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Trichlorofluoromethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Vinyl Acetate (µg/L)	NS				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride (µg/L)	2				<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes (Total) (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloroethene - Total	5															

- Notes
- 1) < indicates not detected at or above the listed value
 - 2) NS indicates that no standard has been promulgated.
 - 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
 - 4) GV indicates that the value listed is a guidance value rather than a standard.
 - 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
 - 6) ** Indicates standard applies to the sum of the isomers

City of Rome Tannery Road Landfill MW-7D Ground Water Analytical Data																											
Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05	
Field Parameters																											
Conductivity (µmhos/cm)	NS	1,330	1,120	1,620	1,300	1,320	1,710	1,220	1,270	1,350	1,200	1,090	1,290	1,440	1,430	503	1,110	1,150	775	1,080	370	1,030	807	817	1150	785	
pH (s.u.)	6.5 - 8.5	6.64	6.53	6.4	7.92	6.5	6.88	6.41	6.46	6.2	5.96	6.39	6.31	5.96	6.25	5.4		6.3	6.42	6.48	6.9	6.23	5.7	6	6.4	6.25	
Redox	NS																										
Temperature (deg C)	NS	8.1	14.5	13.2	8.1	8.4	13.3	11.5	9	8.9	12.7	11.2	10.1	9	11.6	11.6	9.5	5.5	12.1	11.7	9	9.5	12.3	12.6	9	8.7	
Turbidity (NTU)	5	160	42	94	247	128	83	98	62	97	112	152	53	29			345	61	69	999	128	30	59	150	165	200	70
Part 360 Leachate Indicator Parameters																											
Ammonia-Nitrogen (mg/L)	2	47	25	47	36	33	58	41	37	46	40	47	39	43	46	22	34	39	40	38	8.4	30	29	25	8.5	26	
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	19	17	17	11	11	4.4	10	<20.0		13	14	<20.0	<20.0	<10.0	9.3	<20.0	<10.0	12	7.1	<10	<10.0	<10	7.2	<4	6.2	
Bromide (mg/L)	2	<0.2	<0.2	<2.0	<2.0	<2.0	<0.1	1.1	1	0.93	0.74	0.75	0.64	0.8	1	0.21	0.11	0.85	0.89	0.88	<0.1	0.83	0.68	0.5	<0.1	0.4	
Chemical Oxygen Demand (mg/L)	NS	570	140	14	110	120	150	140	120	140	120	120	120	130	130	150	100	120	150	120	76	110	550	130	59	109	
Chloride (mg/L)	250	81	70	88	84	68	3.3	65	59	74	62	46	56	76	72	21	7	55	57	54	8.8	56	44	27	5.5	36	
Color (Pt-Co)	15		280					750					850	750					600					675			
Nitrate-Nitrogen (mg/L)	10	<0.2	<0.2	<0.2	1.5	4.9	0.16	<0.1	<0.1	0.13	<0.1	<0.1	<0.1	0.16	<0.1	0.23	<0.1	<0.1	<0.1	<0.1	0.72	0.23	<0.1	<0.1	0.49	0.16	
Sulfate (mg/L)	250	<5.0	35	12	28	34	9.3	41	44	35	47	45	52	58	61	47	8.6	54	57	49	28	39	37	23	14	15	
Total Alkalinity (mg/L)	NS	670	370	710	470	450	680	460	440	430	470	430	390	460	470	160	360	390	410	340	120	320	330	290	150	320	
Total Cyanide (mg/L)	0.2		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01			
Total Dissolved Solids (mg/L)	500	540	540	710	660	610	400	590	600	670	570	480	650	720	650	420	520	580	640	580	240	510	440	420	240	460	
Total Hardness (mg/L)	NS	300	260	350	310	244	390	320	270	280	270	260	250	270	280	140	240	270	270	310	97	230	220	200	90	180	
Total Kjeldahl Nitrogen (mg/L)	NS	44	36	36	24	26	680	50	51	52	43	50	39	50	44	26	36	41	41	25	6.4	35	24	18	8.5	21	
Total Organic Carbon (mg/L)	NS	55	48	45.9	38.5	38.1	60	48	55	49	44	43	47	50	46	50	41	42	27	43	28	39	39	34	23	38	
Total Phenols (mg/L)	0.001	0.01	<0.005	0.01	0.014	0.006	0.0055	0.004	0.004	0.0026	0.0034	0.0039	0.0042	0.0027	0.012	0.0044	0.003	0.0032	0.003	0.0024	NA	0.004	<0.002	0.0021	<0.002	<0.01	
Part 360 Routine Metals																											
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Calcium (mg/L)	NS	62.9	61.1	74.9	64.2	56.4	87	77	66	70	66	64	65	71	71	35	63	69	80	76	24	57	54	49	21	45	
Iron (mg/L)	0.3*	41.1	39.2	40.8	37.7	33.2	53	45	38	41	42	39	40	40	40	35	34	41	47	45	27	34	31	29	11	27	
Lead (mg/L)	0.025	0.0071	0.0041	0.006	0.014	0.006	<0.01	<0.01	<0.01	<0.01	0.013	0.014	<0.01	<0.01	<0.01	0.035	0.014	<0.01	<0.01	0.018	<0.01	0.012	0.015	<0.01	0.012	<0.01	
Magnesium (mg/L)	35 (GV)	33.6	25.9	39.5	36.5	25.1	41	32	25	25	25	25	22	24	25	14	20	25	29	28	9.1	22	20	18	9	17	
Manganese (mg/L)	0.3*	0.837	0.84	0.82	0.89	0.87	0.96	0.85	0.73	0.8	0.76	0.76	0.7	0.73	0.71	0.67	0.65	0.72	0.82	0.85	0.83	0.68	0.68	0.64	0.38	0.55	
Potassium (mg/L)	NS	54.8	40.9	48	50.5	38.4	60	46	66	43	39	41	37	40	43	23	40	39	47	39	20	37	42	40	14	28	
Sodium (mg/L)	20	46.1	39.6	60	55.5	50.5	83	64	48	54	56	59	50	53	57	15	37	52	58	47	9.9	44	36	31	7.7	33	
Part 360 Additional Baseline Metals																											
Aluminum (mg/L)	NS		0.439					1					1.2	0.83					2.3					1.1			
Antimony (mg/L)	0.003		<0.015					0.034					<0.01	<0.01					<0.01					<0.01			
Arsenic (mg/L)	0.025		<0.01					0.011					<0.01	<0.01					0.026					0.011			
Barium (mg/L)	1		0.217					<0.2					0.43	0.49					0.61					0.23			
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01			
Boron (mg/L)	1		0.7				1.7	1.2		<0.5	0.83		<0.5	0.99	0.83	<0.5			1.1	1.2	<0.5	0.95		0.8			
Chromium (mg/L)	0.05		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01			
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01			
Cobalt (mg/L)	NS		<0.02					<0.01					<0.01	<0.01					<0.01					<0.01			
Copper (mg/L)	0.2		<0.01					<0.01					0.022	<0.01													

City of Rome Tannery Road Landfill MW-7D Ground Water Analytical Data																										
Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05
2-Butanone (MEK) (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
2-Hexanone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
4-Methyl 2-pentanone (µg/L)	NS		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
Acetone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				10	<10					<10		
Acrylonitrile (µg/L)	5		<100.0					<20.0					<20.0	<20.0					<20					<5		
Benzene (µg/L)	1		<5.0					14					17	24				15	16					4.3		
Bromochloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
Bromodichloromethane (µg/L)	50 (GV)		<5.0										<5.0	<5.0				<5	<5					<1		
Bromoform (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Bromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Carbon disulfide (µg/L)	60 (GV)		<18.0					<5.0					<5.0	<5.0				<5	<5					<1		
Carbon tetrachloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chlorobenzene (µg/L)	5		23					8.4					5.8	5.3				<5	<5					4.4		
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Dibromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
Ethyl benzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Iodomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<10					<10		
Methylene Chloride (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<10	<10					<10		
Styrene (µg/L)	5							<5.0					<5.0	<5.0				<5	<5					<1		
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
trans-1,4-Dichloro-2-butene (µg/L)	5							<50.0					<50.0	<10.0					<10					<10		
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20					<5		
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Xylenes (Total) (µg/L)	5		2					16					130	180				160	97					<1		
1,2-Dichloroethene - Total	5																	<5								
Notes																										
1) < indicates not detected at or above the listed value																										
2) NS indicates that no standard has been promulgated.																										
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.																										
4) GV indicates that the value listed is a guidance value rather than a standard.																										
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.																										
6) ** Indicates standard applies to the sum of the isomers																										
7) J indicates estimated concentration due to QC sample recovery																										

City of Rome Tannery Road Landfill MW-7D Ground Water Analytical Data																									
Parameter	NYSDEC Ground Water Standard	6/28/05	9/27/05	12/6/05	3/6/06	6/6/06	9/26/06	12/13/06	3/15/07	6/1/07	9/25/07	12/17/07	3/27/08	6/19/08	9/23/08	12/15/08	3/17/09	6/22/09	9/25/09	12/14/09	3/24/10	6/23/2010	9/22/2010	12/21/2010	3/29/2011
Field Parameters																									
Conductivity (µmhos/cm)	NS	1,131	434	730	710	450	670	684	1,020	650	287	581	656	551	649	633	327	407	258	632	440	519	578	525	599
pH (s.u.)	6.5 - 8.5	6.4	7.05	6.1	6.8	7.2	7.25	6.33	6.27	6.53	6.75	6.14	6.73	6.36	6.09	7.08	6.16	6.34	6.08	5.8	5.7	5.91	6.37	5.75	5.15
Redox	NS																								
Temperature (deg C)	NS		10.8	9	10	12	11	10.1	8.7	10.8	12	9.1	9.5	10.7	10.2	9.4	10.1	13	10.5	9.7	8.6	10.7	11.1	9.4	9.1
Turbidity (NTU)	5	151	104	98	78	67	-	40	0	76	33	43	36	59	0	215	79	56	9	0	20	10	100	0	45
Part 360 Leachate Indicator Parameters																									
Ammonia-Nitrogen (mg/L)	2	11	17	22	31	21	24	26	28	24	3.9	20	27	18	35 J	6.2	18	7.7	1.5	1.8	2.77	14	17.2	14.6	15.3
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<10	13	<4	7.7	8	<4	<10	180	5.2	<4	8	7.8	6.1	9.5	<10	8.4	<4	<4.0	<4.0	<2.0	6	<60	<12	7
Bromide (mg/L)	2	0.22	0.15	<0.1	0.3	<0.10	0.32	<0.1	0.55	<0.1	<0.1	0.25	0.26	0.27	0.29	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<1.0	<1.0	<1.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	76	83	93	110	110	110	110	100	100	12	93	68	75	73	80	75	67	56	62	69.9	62	80	59	70
Chloride (mg/L)	250	7.6	15	24	33	28	29	35	47	31	3.6	22	31	23	29	5.2	20	5.5	4	<1.0	2.8	9.02	8.5	9.11	6.68
Color (Pt-Co)	15			350	750					400					400					12	70				>70
Nitrate-Nitrogen (mg/L)	10	0.18	0.19	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.04	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.020	<0.020	<0.020	<0.02	0.03
Sulfate (mg/L)	250	7.5	5.9	5	4.8	2.8	4.4	5.2	5.9	5.6	7.7	3.6	2.1	3.3	3.2	1.9	3.4	5.2	7.8	<1.0	7.6	<2.0	<2.0	<2.0	<2.0
Total Alkalinity (mg/L)	NS	140	230	300	350	320	320	340	420	330	120	330	370	300	370	210	320	220	150	300	160	265	310	275	280
Total Cyanide (mg/L)	0.2			<0.01	<0.01					<0.01					<0.01					<0.01	<0.010				<0.01
Total Dissolved Solids (mg/L)	500	280	280	360	430	400	430	440	490	420	190	340	390	370	470	280	340	320	250	330	270	272	340	330	335
Total Hardness (mg/L)	NS	140	150	200	210	180	210	210	220	160	100	180	210	460	190	170	190	160	150	190	174	205	193	191	209
Total Kjeldahl Nitrogen (mg/L)	NS	11	13	19	19	19	25	24	30	25	4.6	21	28	2	33	9.5	21	8.6	5.4	18	3.64	15.7	18.5	17.9	18.4
Total Organic Carbon (mg/L)	NS	26	25	38	41	38	43	39	42	40	25	36	36	34	34 J	33	37	34	26	34	29.8	27.9	27	27.8	27.8
Total Phenols (mg/L)	0.001	0.0047	0.0041	0.0044	0.0021	0.0052	0.0021	<0.05	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.099 J	<0.003	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002
Part 360 Routine Metals																									
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	0.00018	<0.005	<0.005	<0.005	<0.00013
Calcium (mg/L)	NS	32	33	51	52	46	54	53	56	43	24	49	54	130	53	45	50	45	41	51	48.2	55.8	51.2	52.2	55
Iron (mg/L)	0.3*	26	24	27	31	27	28	27	30	25	19	25	29	23	27	21	25	22	20	25	33.8	24.1	25.5	24.2	23.1
Lead (mg/L)	0.025	0.032	0.028	<0.01	<0.01	0.01	0.012	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.013	0.019	<0.010	<0.01	0.005	<0.005	<0.005	0.007	0.0047
Magnesium (mg/L)	35 (GV)	14	16	17	20	17	17	19	20	16	10	15	18	33	16	14	15	12	12	15	13.1	16.1	15.8	14.8	17.3
Manganese (mg/L)	0.3*	0.61	0.59	0.62	0.65	0.57	<0.01	0.64	0.6	0.52	0.62	0.6	0.61	1.8	0.59	0.81	0.63	0.66	0.86	0.61	0.642	0.62	0.667	0.653	0.629
Potassium (mg/L)	NS	19	20	26	34	26	29	14	31	27	7.9	23	34	4.4	26	10	23	12	7.8	24	13.1	22.2	25	19.1	21.6
Sodium (mg/L)	20	7.4	19	25	36	28	50	32	38	29	3.3	24	32	36	24	4.9	18	8.5	3.5	17	6.51	13.2	14.2	10.3	11.5
Part 360 Additional Baseline Metals																									
Aluminum (mg/L)	NS			1.4	2.6					1.4					2					0.88	0.811				0.292
Antimony (mg/L)	0.003			<0.01	<0.01					<0.01					<0.01					<0.01	<0.020				<0.0196
Arsenic (mg/L)	0.025			0.024	<0.01					<0.01					<0.01					<0.01	0.006				<0.0015
Barium (mg/L)	1			0.22	0.31					<0.2					0.24					0.17	0.132				0.153
Beryllium (mg/L)	0.003 (GV)			<0.01	<0.01					<0.01					<0.01					<0.01	0.00017				<0.00014
Boron (mg/L)	1			0.55	0.83					0.73					0.73					<0.5	0.162				0.336
Chromium (mg/L)	0.05			<0.01	<0.01					0.026					<0.01					<0.01	<0.005				<0.0047
Chromium, Hexavalent (mg/L)	0.05			<0.01	<0.01					<0.01					<0.01					<0.01	<0.020				<0.020
Cobalt (mg/L)	NS			<0.01	<0.01					<0.01					<0.01					<0.01	<0.000				0.00061
Copper (mg/L)	0.2																								

City of Rome
Tannery Road Landfill
MW-7D
Ground Water Analytical Data

Parameter	NYSDEC	6/28/05	9/27/05	12/6/05	3/6/06	6/6/06	9/26/06	12/13/06	3/15/07	6/1/07	9/25/07	12/17/07	3/27/08	6/19/08	9/23/08	12/15/08	3/17/09	6/22/09	9/25/09	12/14/09	3/24/10	6/23/2010	9/22/2010	12/21/2010	3/29/2011
	Ground Water																								
	Standard																								
2-Butanone (MEK) (µg/L)	50 (GV)			<5	<5					<5.0					<10					<10	<10			<10	
2-Hexanone (µg/L)	50 (GV)			<5	<5					<5.0					<10					<10	<10			<10	
4-Methyl 2-pentanone (µg/L)	NS			<5	<5					<5.0					<10					<10	<10			<10	
Acetone (µg/L)	50 (GV)			<10	<5					<5.0					<10					<10	<10			<10	
Acrylonitrile (µg/L)	5			<20	<40					<40					<20					<1	<25			<25	
Benzene (µg/L)	1			6.3	8.7					7.5					6					5.1	<5.0			5.2	
Bromochloromethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0			<5.0	
Bromodichloromethane (µg/L)	50 (GV)			<1	<1					<1.0					<1					<1	<5.0			<5.0	
Bromoform (µg/L)	50 (GV)			<1	<1					<1.0					<1					<1	<5.0			<5.0	
Bromomethane (µg/L)	5			<1	<1					<1.0					<1					<1	<10			<10	
Carbon disulfide (µg/L)	60 (GV)			<1	<1					<1.0					<1					<1	<5.0			<5.0	
Carbon tetrachloride (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0			<5.0	
Chlorobenzene (µg/L)	5			4.1	3.9					3.2					<1					<1	2.7			<5.0	
Chloroethane (µg/L)	5			<1	<1					<1.0					<1					<1	<10			<10	
Chloroform (µg/L)	7			<1	<1					<1.0					<1					<1	<5.0			<5.0	
Chloromethane (µg/L)	5			<1	<1					<1.0					<1					<1	<10			<10	
cis-1,2-Dichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0			<5.0	
cis-1,3-Dichloropropene (µg/L)	0.4**			<1	<1					<1.0					<1					<1	<5.0			<5.0	
Dibromochloromethane (µg/L)	50 (GV)			<1	<1					<1.0					<1					<1	<5.0			<5.0	
Dibromomethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0			<5.0	
Ethyl benzene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0			<5.0	
Iodomethane (µg/L)	5			<5	<10					<1.0					<5					<5	<10			<10	
Methylene Chloride (µg/L)	5			<5	<1					<1.0					<1					<1	<5.0			<5.0	
Styrene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0			<5.0	
Tetrachloroethene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0			<5.0	
Toluene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0			<5.0	
trans-1,2-Dichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0			<5.0	
trans-1,3-Dichloropropene (µg/L)	0.4**			<1	<1					<1.0					<1					<1	<5.0			<5.0	
trans-1,4-Dichloro-2-butene (µg/L)	5			<5	<10					<1.0					<5					<5	<10			<10	
Trichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0			<5.0	
Trichlorofluoromethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0			<5.0	
Vinyl Acetate (µg/L)	NS			<5	<10					<1.0					<5					<5	<10			<10	
Vinyl Chloride (µg/L)	2			<1	<1					<1.0					<1					<1	<10			<10	
Xylenes (Total) (µg/L)	5			110	190					72					80					44	<5.0			55	
1,2-Dichloroethene - Total	5																								

- Notes
- 1) < indicates not detected at or above the listed value
 - 2) NS indicates that no standard has been promulgated.
 - 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
 - 4) GV indicates that the value listed is a guidance value rather than a standard.
 - 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
 - 6) ** Indicates standard applies to the sum of the isomers
 - 7) J indicates estimated concentration due to QC sample recovery

City of Rome
Tannery Road Landfill
MW-7D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021	6/21/2022	9/27/2023	12/3/2024
Field Parameters												
Conductivity (µmhos/cm)	NS	438	320	330	380	390	400	397.3	345	382	231.4	753.7
pH (s.u.)	6.5 - 8.5	5.79	6.9	6.5	6.55	6.5	6.5	6.05	6.66	6.5	6.53	6.28
Redox	NS				286.1			-23.5	-26.7	-39.8	-31.4	33.1
Temperature (deg C)	NS	11.4	12	9	14	11	14	9.6	9.7	9.4	9.7	9.17
Turbidity (NTU)	5	0	10	10	80	120	30	10	9.52	11.2	7.82	5.80
Part 360 Leachate Indicator Parameters												
Ammonia-Nitrogen (mg/L)	2	13	0.3	<0.1	4.3	4.2	4.8	1.9	0.1	0.9	0.5	<1
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	4	6	4	8	2.7	15	7	6	4	5	3.5 J
Bromide (mg/L)	2	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<2
Chemical Oxygen Demand (mg/L)	NS	67	62	42	55	80	59	61	42	48	43	64
Chloride (mg/L)	250	5.84	<1.0	<1.0	3.55	3.16	2.85	2.34	<2.0	2.25	<2.0	<2
Color (Pt-Co)	15	>70	>70	70	400	600	450	250	360	580	220	380
Nitrate-Nitrogen (mg/L)	10	0.02	0.1	0.16	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Sulfate (mg/L)	250	<2.0	<2.0	4.95	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<4
Total Alkalinity (mg/L)	NS	236	160	130	215	210	220	200	150	190	190	160
Total Cyanide (mg/L)	0.2	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Dissolved Solids (mg/L)	500	260	180	120	160	295	230	180	170	245	185	190
Total Hardness (mg/L)	NS	173	150	142	172	180	169	174	162	151	158	157
Total Kjeldahl Nitrogen (mg/L)	NS	12.9	1.7	<1.0	6.2	6.7	5	<1.0	3.1	1.1	3.1	1.1
Total Organic Carbon (mg/L)	NS	26.2	27.6	17.6	20.9	25.6	26.2	22.2	83.4	21.2	17.6	25.3
Total Phenols (mg/L)	0.001	0.002	<0.002	<0.002	<0.002	<0.002	0.007	0.007	<0.004	<0.004	<0.004	<0.004
Part 360 Routine Metals												
Cadmium (mg/L)	0.005	<0.00021	0.00015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (mg/L)	NS	46.8	42.9	42.8	46.6	47.9	44	46.3	43.9	40.3	43.2	43.2
Iron (mg/L)	0.3*	20.1	16.1	2.76	20.4	19.5	16.9	17.6	18.3	15.4	16	18.8
Lead (mg/L)	0.025	0.0039	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	35 (GV)	13.6	10.4	8.62	13.5	14.7	14.4	14.2	12.9	12.3	12.1	12
Manganese (mg/L)	0.3*	0.669	1.24	1.5	1.34	1.09	0.978	1.29	1.34	1.02	1.23	1.61
Potassium (mg/L)	NS	16.9	7.14	6.61	9.74	10.6	10.8	8.4	7.2	5.95	6.7	5.42
Sodium (mg/L)	20	7.5	3.49	2.16	5.19	4.24	5.87	5.66	3.51	1.65	3.05	1.79
Part 360 Additional Baseline Metals												
Aluminum (mg/L)	NS	0.965	0.512	<0.1	<0.1	0.272	0.279	0.336	<0.1	0.183	0.225	0.265
Antimony (mg/L)	0.003	<0.0011	<0.002	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025	<0.0022	<0.002	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.005
Barium (mg/L)	1	0.129	0.058	0.035	0.089	0.084	0.093	0.077	0.065	0.052	0.055	0.05
Beryllium (mg/L)	0.003 (GV)	<0.00016	<0.0001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron (mg/L)	1	0.256	0.131	0.091	0.139	0.176	0.162	0.16	0.078	0.102	0.107	0.072
Chromium (mg/L)	0.05	<0.0051	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent (mg/L)	0.05	<0.02	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02 J	<0.02	<0.02
Cobalt (mg/L)	NS	0.001	<0.001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper (mg/L)	0.2	<0.0025	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury (mg/L)	0.0007	<0.0001	<0.15	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1	<0.00029	<0.00046	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01	<0.0015	<0.003	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	0.014	<0.005	<0.005
Silver (mg/L)	0.05	<0.0014	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)	0.003	0.008	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium (mg/L)	NS	0.0106	<0.011	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc (mg/L)	2	0.0084	0.047	<0.01	<0.01	0.012	<0.01	<0.01	<0.01	<0.01	0.012	<0.01
Part 360 Volatile Organics												
1,1,1,2-Tetrachloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,1,1-Trichloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1,2,2-Tetrachloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1,2-Trichloroethane (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1-Dichloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2,3-Trichloropropane (µg/L)	0.04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,2-Dichlorobenzene (µg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloroethane (µg/L)	0.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloropropane (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,4-Dichlorobenzene (µg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5

City of Rome
Tannery Road Landfill
MW-7D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021	6/21/2022	9/27/2023	12/3/2024
2-Butanone (MEK) (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile (µg/L)	5	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Benzene (µg/L)	1	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromochloromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromodichloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromoform (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromomethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Carbon tetrachloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chlorobenzene (µg/L)	5	2.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chloroethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform (µg/L)	7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chloromethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
cis-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Dibromochloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Dibromomethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Ethyl benzene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Iodomethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Styrene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Tetrachloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Toluene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,4-Dichloro-2-butene (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Trichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Trichlorofluoromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Vinyl Acetate (µg/L)	NS	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride (µg/L)	2	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes (Total) (µg/L)	5	22	<5.0	<5.0	13	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloroethene - Total	5											

- Notes
- 1) < indicates not detected at or above the listed value
 - 2) NS indicates that no standard has been promulgated.
 - 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
 - 4) GV indicates that the value listed is a guidance value rather than a standard.
 - 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
 - 6) ** Indicates standard applies to the sum of the isomers
 - 7) J indicates estimated concentration due to QC sample recovery

City of Rome Tannery Road Landfill MW-9S Ground Water Analytical Data																												
Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05	9/27/05
Field Parameters																												
Conductivity (µmhos/cm)	NS	485	398	369	411	413	414	411	411	419	365	390	408	435	415	377	410	423	385	392	480	413	365	394	410	308	404	404
pH (s.u.)	6.5 - 8.5	7.67	7.32	7.23	7.31	7.11	6.89	6.96	7.28	7.2	6.94	6.65	7.39	7.15	7.39	8.9		7.3	7.17	7.5	7.5	6.98	6.78	6.95	7.3	7.57	7.3	7.5
Redox (mV)																												
Temperature (deg C)	NS	5.8	14.6	12.9	7.4	6.4	9.8	11	8.2	6.1	11.9	11.4	8.2	7.4	9.3	12.7	8	6.3	11.3	12.8	6	5.2	11	13.2	7	6.6		12
Turbidity (NTU)	5	999	324	659	999	999	999	999	999	999	704	241	466	460	501	999	506	218	999	614	50	492	999	331	290	512	614	206
Part 360 Leachate Indicator Parameters																												
Ammonia-Nitrogen (mg/L)	2	<0.5	<0.5	<0.3	<0.3	<0.3	0.14	0.3	0.15	0.28	0.3	0.39	0.21	0.17	0.33	0.32	0.56	0.16	1.8	0.93	<0.03	0.56	0.64	0.48	<0.03	0.24	0.31	0.26
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4.0	5	3.9	5	4.7	5.6	2.1	<4.0		<4.0	4.2	<4.0	<4.0	<4.0	18	4.5	<4.0	4.4	<4.0	<4	<4.0	12	4.7	4.8	4.3	4.6	6.2
Bromide (mg/L)	2	<0.2	<0.2	<2.0	<2.0	<2.0	0.15	<0.1	<0.1	<0.1	0.17	0.12	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.100	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	160	120	26	76	64	74	160	120	96	120	72	75	290	75	87	64	57	120	67	75	120	120	79	86	140	65	66
Chloride (mg/L)	250	8	3	4.1	<2.0	2.6	3.3	3.3	3.3	3.4	3.2	3.6	3.3	3.2	3.4	3.3	3.2	3.2	3.2	3.4	3.4	3.5	3.6	3	3.1	3.1	4.2	3.4
Color (Pt-Co)	15		530					400					600	850					750					700				
Nitrate-Nitrogen (mg/L)	10	<0.2	<0.2	<0.2	0.5	0.3	<0.1	<0.1	<0.1	<0.1	0.18	<0.1	0.17	0.16	<0.1	0.14	<0.1	<0.1	<0.1	<0.1	0.18	<0.1	0.16	<0.1	0.15	0.15	0.13	<0.1
Sulfate (mg/L)	250	5	8	12	8	12	8.5	2.3	4.7	4.2	2.9	3.1	8.6	15	8.4	3.2	6.2	19	15	3.2	8	5.9	3.5	1.9	3	2.3	3.2	1.8
Total Alkalinity (mg/L)	NS	230	260	1400	260	270	240	270	280	230	260	240	210	240	250	230	250	240	250	220	240	220	240	210	18	220	210	220
Total Cyanide (mg/L)	0.2		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01				
Total Dissolved Solids (mg/L)	500	420	260	360	340	340	390	420	400	360	380	240	430	360	340	330	380	390	360	340	320	360	250	370	290	350	310	310
Total Hardness (mg/L)	NS	1100	530	477.2904	489.5396	466	610	720	700	1200	300	420	390	460	360	650	730	380	400	410	150	730	400	280	110	440	120	250
Total Kjeldahl Nitrogen (mg/L)	NS	2.8	1.9	0.5	<0.3	<0.3	0.97	1.4	1.7	1	1.3	1	0.7	0.45	1.2	1.7	0.52	0.74	1.5	0.57	0.63	1.1	1	0.78	0.64	0.96	0.89	0.59
Total Organic Carbon (mg/L)	NS	30	29	28.6	38.5	32.6	32	31	36	35	30	29	32	29	31	32	26	24	32	25	28	25	30	24	28	26	28	25
Total Phenols (mg/L)	0.001	<0.005	<0.005	<0.001	0.005	<0.001	0.0022	0.019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0087	0.0035	<0.002	<0.002	0.0022	0.0026	0.0031	<0.002	<0.002	<0.002	<0.002	<0.010	<0.002	<0.002
Part 360 Routine Metals																												
Cadmium (mg/L)	0.005	0.0088	0.0053	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01
Calcium (mg/L)	NS	307	142	142	138	138	160	190	180	300	88	120	110	130	100	170	200	100	110	120	50	180	120	84	38	120	41	75
Iron (mg/L)	0.3*	85.3	47.8	28.2	26.8	14.3	37	56	56	110	21	30	24	29	26	48	52	25	36	29	2.6	67	13	6.1	0.75	23	3.2	14
Lead (mg/L)	0.025	0.0381	0.021	0.011	0.017	0.008	<0.01	<0.01	0.043	0.042	0.012	0.012	0.011	0.017	0.014	0.034	0.041	<0.01	<0.01	0.023	<0.01	0.043	0.017	<0.01	<0.01	<0.010	0.046	0.043
Magnesium (mg/L)	35 (GV)	83.9	43.5	29.8	35.2	29.4	48	58	60	100	19	29	28	34	26	53	60	27	30	27	5.2	66	26	16	3.3	33	5.2	15
Manganese (mg/L)	0.3*	4.21	2.13	1.7	1.9	1.6	2.4	2.8	2.7	5	1.1	1.5	1.5	1.8	1.4	2.6	3	1.4	1.6	1.5	0.36	3	1.4	0.96	0.25	1.6	0.35	0.89
Potassium (mg/L)	NS	12.1	6.96	2.3	4.6	2.4	4.6	6.4	7.3	14	4.2	7.2	4.6	4.6	6.6	6.3	5.4	4.5	5.8	4.9	2.7	7.8	3.5	2.2	2.2	5.3	3.4	4.1
Sodium (mg/L)	20	49.3	39.3	30	41.7	46	46	49	53	55	48	33	43	55	57	38	40	53	54	37	55	62	53	33	47	48	43	30
Part 360 Additional Baseline Metals																												
Aluminum (mg/L)	NS		23.9					<0.01					12	12					18					1.4				
Antimony (mg/L)	0.003		<0.015					0.048					<0.01	<0.01					<0.01					<0.01				
Arsenic (mg/L)	0.025		<0.01					<0.01					0.016	0.019					0.035					<0.01				
Barium (mg/L)	1		0.201					0.23					<0.2	<0.2					0.2					<0.2				
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01				
Boron (mg/L)	1		<0.1				<0.5	<0.5			<0.5	<0.5	<0.5															

City of Rome
Tannery Road Landfill
MW-9S
Ground Water Analytical Data

Parameter	NYSDEC	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05	9/27/05
	Ground Water																											
	Standard																											
2-Butanone (MEK) (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10				
2-Hexanone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10				
4-Methyl 2-pentanone (µg/L)	NS		<10.0					<10.0					<10.0	<10.0				<10	<10					<10				
Acetone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10				
Acrylonitrile (µg/L)	5		<100.0					<20.0					<20.0	<20.0					<20					<5				
Benzene (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
Bromochloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1				
Bromodichloromethane (µg/L)	50 (GV)		<5.0										<5.0	<5.0				<5	<5					<1				
Bromoform (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
Bromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
Carbon disulfide (µg/L)	60 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
Carbon tetrachloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
Chlorobenzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1				
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
Dibromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1				
Ethyl benzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
Iodomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<10					<10				
Methylene Chloride (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<10	<10					<10				
Styrene (µg/L)	5							<5.0					<5.0	<5.0				<5	<5					<1				
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1				
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
trans-1,4-Dichloro-2-butene (µg/L)	5		<10.0					<50.0					<50.0	<10.0					<10					<10				
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1				
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20					<5				
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
Xylenes (Total) (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				
1,2-Dichloroethene - Total	5																	<5										

- Notes
- 1) < indicates not detected at or above the listed value
 - 2) NS indicates that no standard has been promulgated.
 - 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
 - 4) GV indicates that the value listed is a guidance value rather than a standard.
 - 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
 - 6) ** Indicates standard applies to the sum of the isomers

City of Rome Tannery Road Landfill MW-9S Ground Water Analytical Data																								
Parameter	NYSDEC Ground Water Standard	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/08	6/19/08	9/23/08	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012
Field Parameters																								
Conductivity (µmhos/cm)	NS	380	390	350	391	375	387	367	354	385	394	383	361	415	388	377	378	392	397	389	372	371	433	393
pH (s.u.)	6.5 - 8.5	6.7	7.7	8.1	7.83	7.11	7.08	7.29	7.05	6.95	7.3	7.13	7.51	7.48	6.92	7.11	6.97	6.76	7.08	7.38	7.18	6.12	6.39	6.74
Redox (mV)																								
Temperature (deg C)	NS	8	7	14	12.5	9.3	6.7	11.4	11.7	7.1	5.2	10.2	12.4	6.6	6	11.5	11.5	8.1	6.5	11.2	13.1	7.5	5	11.1
Turbidity (NTU)	5	270	480	37	-	70	385	80	43	45	25	83	26	80	203	12	15	4	30	0	148	253	141	9
Part 360 Leachate Indicator Parameters																								
Ammonia-Nitrogen (mg/L)	2	0.18	0.18	0.24	0.19	0.14	0.13	0.2	0.14	<0.03	0.084	0.17	0.063	<0.03	0.094	0.22	0.15	0.25	1.44	<0.1	0.2	<0.1	<0.1	0.2
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4	<4	<4.0	8.9	<4	<4	4	<4	<4	<5	<4	<4	<4	<4	<4	<4.0	<4.0	<2.0	2	<4.0	<4.0	<4.0	3
Bromide (mg/L)	2	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	78	58	79	97	65	83	77	48	48	47	52	43	57	39	39	40	36	49.7	38	59	34	58	38
Chloride (mg/L)	250	3.4	3.4	3.1	3.6	3	3.2	3.2	2.5	4	<2	3.3	2.7	3.6	3.2	3.1	3.2	3	1.2	1.05	<1.0	1.72	1.04	<1.0
Color (Pt-Co)	15	800	1,500					200					200					100	70			>70	70	
Nitrate-Nitrogen (mg/L)	10	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.04	0.15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.26	<0.020	<0.020	<0.02	<0.020	<0.02
Sulfate (mg/L)	250	3.3	7.5	5.4	2.3	3.8	5.6	2.9	1.6	4.6	9.7	7.2	3.2	5.8	5.2	9.4	3.3	3.8	14.3	5.18	<2.0	3.18	6.18	2.57
Total Alkalinity (mg/L)	NS	230	220	230	240	230	280	230	230	320	210	240	240	250	250	220	220	220	235	225	220	235	230	217
Total Cyanide (mg/L)	0.2	<0.01	<0.01					<0.01					<0.01					<0.01	<0.010			<0.01	<0.01	
Total Dissolved Solids (mg/L)	500	340	300	290	330	270	300	310	280	270	300	360	360	290	260	310	2,100	260	305	280	307	332	312	350
Total Hardness (mg/L)	NS	290	210	400	360	240	320	420	210	150	430	170	280	180	310	160	190	390	139	340	496	447	290	702
Total Kjeldahl Nitrogen (mg/L)	NS	0.59	0.38	0.63	1.1	6.1	0.82	0.66	0.65	0.49	0.64	1.3	0.64	0.55	0.67	0.81	0.66	0.59	<1.0	6.7	1.1	<1.0	2.8	1.1
Total Organic Carbon (mg/L)	NS	25	22	26	25	22	25	22	24	19	19	24	20	17	22	20	20	16	18.7	18.7	19.5	18.6	19.2	20.4
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<0.002	<0.05	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Part 360 Routine Metals																								
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	0.00023	<0.005	<0.005	<0.005	0.00021	0.00041
Calcium (mg/L)	NS	89	65	120	110	74	91	43	70	77	120	45	87	59	94	54	65	120	48.3	100	137	126	94.9	184
Iron (mg/L)	0.3*	12	13	12	21	3.1	18	25	6.8	8.6	24	22	10	5.7	9.8	3.9	5.4	12	0.364	18.8	36.3	31	2.72	58.6
Lead (mg/L)	0.025	<0.01	<0.01	0.014	0.021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.014	<0.01	<0.010	<0.01	<0.002	<0.005	<0.005	0.007	0.0029	0.0022
Magnesium (mg/L)	35 (GV)	16	12	26	24	12	21	16	9.5	13	30	14	15	9	20	4.9	6.9	24	4.49	21.7	37.3	32.3	13	58.9
Manganese (mg/L)	0.3*	0.86	0.76	1.4	0.026	0.68	1.1	0.52	0.71	0.81	1.7	0.51	0.95	0.57	1.2	0.47	0.58	1.3	0.466	1.34	1.97	1.66	0.955	2.57
Potassium (mg/L)	NS	3.1	7	2.7	4	<1	4.4	3.2	2	3.1	3.7	27	2.9	4	3.6	3.1	2.4	2.4	2.13	4.31	5	4.91	1.68	6.71
Sodium (mg/L)	20	26	51	34	37	34	44	29	19	31	43	21	45	37	32	42	25	31	32.3	29	20.8	27.9	21.4	24.7
Part 360 Additional Baseline Metals																								
Aluminum (mg/L)	NS	5.6	9					1.4					3.9					4.8	0.132			0.392	31.2	
Antimony (mg/L)	0.003	<0.01	<0.01					<0.01					<0.01					<0.01	<0.020			<0.0196	<0.0011	
Arsenic (mg/L)	0.025	0.029	<0.01					<0.01					<0.01					<0.01	<0.002			0.0035	<0.0022	
Barium (mg/L)	1	0.11	<0.2					0.23					<0.2					0.11	0.067			0.102	0.233	
Beryllium (mg/L)	0.003 (GV)	<0.01	<0.01					<0.01					<0.01					<0.01	<0.00014			0.00023	0.0012	
Boron (mg/L)	1	<0.5	<0.5					0.73					<0.5					<0.5	0.012			0.0046	<0.00057	
Chromium (mg/L)	0.05	0.012	0.017					0.013					<0.01					0.013	<0.005			<0.0047	0.0602	
Chromium, Hexavalent (mg/L)	0.05	<0.01	<0.01					<0.01					<0.01					<0.01	<0.020			<0.020	<0.02	
Cobalt (mg/L)	NS	<0.01	<0.01					<0.01					<0.01					<0.01	<0.000			0.001	0.0242	
Copper (mg/L)	0.2	0.02																						

City of Rome
Tannery Road Landfill
MW-9S
Ground Water Analytical Data

Parameter	NYSDEC	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/08	6/19/08	9/23/08	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012
	Ground Water																							
	Standard																							
2-Butanone (MEK) (µg/L)	50 (GV)	<5	<5					<5.0					<10					<10	<10			<10	<10	
2-Hexanone (µg/L)	50 (GV)	<5	<5					<5.0					<10					<10	<10			<10	<10	
4-Methyl 2-pentanone (µg/L)	NS	<5	<5					<5.0					<10					<10	<10			<10	<10	
Acetone (µg/L)	50 (GV)	<10	<5					<5.0					<10					<10	<10			<10	<10	
Acrylonitrile (µg/L)	5	<20	<20					<20					<20					<20	<25			<25	<25	
Benzene (µg/L)	1	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Bromochloromethane (µg/L)	5	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Bromodichloromethane (µg/L)	50 (GV)	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Bromoform (µg/L)	50 (GV)	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Bromomethane (µg/L)	5	<1	<1					<1.0					<1					<1	<10			<10	<10	
Carbon disulfide (µg/L)	60 (GV)	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Carbon tetrachloride (µg/L)	5	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Chlorobenzene (µg/L)	5	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Chloroethane (µg/L)	5	<1	<1					<1.0					<1					<1	<10			<10	<10	
Chloroform (µg/L)	7	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Chloromethane (µg/L)	5	<1	<1					<1.0					<1					<1	<10			<10	<10	
cis-1,2-Dichloroethene (µg/L)	5	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
cis-1,3-Dichloropropene (µg/L)	0.4**	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Dibromochloromethane (µg/L)	50 (GV)	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Dibromomethane (µg/L)	5	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Ethyl benzene (µg/L)	5	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Iodomethane (µg/L)	5	<5	<5					<5.0					<5					<5	<10			<10	<10	
Methylene Chloride (µg/L)	5	<5	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Styrene (µg/L)	5	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Tetrachloroethene (µg/L)	5	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Toluene (µg/L)	5	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
trans-1,2-Dichloroethene (µg/L)	5	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
trans-1,3-Dichloropropene (µg/L)	0.4**	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
trans-1,4-Dichloro-2-butene (µg/L)	5	<5	<5					<5.0					<5					<5	<10			<10	<10	
Trichloroethene (µg/L)	5	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Trichlorofluoromethane (µg/L)	5	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
Vinyl Acetate (µg/L)	NS	<5	<5					<5.0					<5					<5	<10			<10	<10	
Vinyl Chloride (µg/L)	2	<1	<1					<1.0					<1					<1	<10			<10	<10	
Xylenes (Total) (µg/L)	5	<1	<1					<1.0					<1					<1	<5.0			<5.0	<5.0	
1,2-Dichloroethene - Total	5																							

- Notes
- 1) < indicates not detected at or above the listed value
 - 2) NS indicates that no standard has been promulgated.
 - 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
 - 4) GV indicates that the value listed is a guidance value rather than a standard.
 - 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance
 - 6) ** Indicates standard applies to the sum of the isomers

City of Rome Tannery Road Landfill MW-9S Ground Water Analytical Data											
Parameter	NYSDEC Ground Water Standard	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021	6/21/2022	9/27/2023	12/3/2024
Field Parameters											
Conductivity (µmhos/cm)	NS	370	140	380	370	350	422.7	399	430	340.3	753.9
pH (s.u.)	6.5 - 8.5	5.5	6.1	7.32	7.4	7.3	6.95	7.57	7.33	7.36	7.48
Redox (mV)				66.2			11.5	121.8	-40.7	-88.4	80.1
Temperature (deg C)	NS	14	6	6.5	12	14	8.5	6.9	10.1	13.0	10.88
Turbidity (NTU)	5	40	150	280	130	10	30	11.3	12.7	10.56	1.01
Part 360 Leachate Indicator Parameters											
Ammonia-Nitrogen (mg/L)	2	0.2	<0.1	<0.1	0.1	0.1	<0.1	<0.1	0.1	<0.1	<1
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	3.9	3.6	2.7	3.7	3	<4.0	<4.0	<4.0	<4.0	<4
Bromide (mg/L)	2	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<2
Chemical Oxygen Demand (mg/L)	NS	61	49	68	59	51	44	42	56	48	51
Chloride (mg/L)	250	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2
Color (Pt-Co)	15	>70	70	130	140	200	130	90	116	180	160
Nitrate-Nitrogen (mg/L)	10	0.05	0.13	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Sulfate (mg/L)	250	14.2	3.74	2.64	4.81	<2.0	<4.0	6.04	<2.0	<2.0	<4
Total Alkalinity (mg/L)	NS	230	230	250	240	240	230	240	227	230	230
Total Cyanide (mg/L)	0.2	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Dissolved Solids (mg/L)	500	275	220	235	345	260	170	250	360	245	260
Total Hardness (mg/L)	NS	160	116	252	221	204	169	241	209	191	161
Total Kjeldahl Nitrogen (mg/L)	NS	<1.0	<1.0	2.8	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1
Total Organic Carbon (mg/L)	NS	23.9	21.2	19.4	18.4	20.5	17.1	62.8	20.8	20.5	22.3
Total Phenols (mg/L)	0.001	<0.002	0.003	<0.002	<0.002	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Part 360 Routine Metals											
Cadmium (mg/L)	0.005	0.00027	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (mg/L)	NS	54.3	40.4	84.9	70.7	67.5	56.6	76.8	65.1	61.9	54
Iron (mg/L)	0.3*	5.29	0.614	2.38	3.78	3.59	1.75	2.56	3.33	4.65	1.1
Lead (mg/L)	0.025	<0.002	0.021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	35 (GV)	5.92	3.76	9.67	10.8	8.6	6.85	12	11.3	8.9	6.28
Manganese (mg/L)	0.3*	0.601	0.179	0.744	0.74	0.697	0.485	0.694	0.738	0.667	0.485
Potassium (mg/L)	NS	2.86	3.39	2.81	3.73	3.04	3.87	4.49	5.48	5.14	6.21
Sodium (mg/L)	20	34.9	52.5	40.9	34.5	16.5	31.4	35.9	15.3	25.3	35.5
Part 360 Additional Baseline Metals											
Aluminum (mg/L)	NS	0.305	0.194	0.384	0.644	0.516	0.486	0.373	0.457	0.432	0.172
Antimony (mg/L)	0.003	<0.002	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025	0.003	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Barium (mg/L)	1	0.094	0.066	0.126	0.096	0.1	0.089	0.101	0.097	0.095	0.098
Beryllium (mg/L)	0.003 (GV)	<0.0001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron (mg/L)	1	0.003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium (mg/L)	0.05	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent (mg/L)	0.05	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02 J	<0.02	<0.02
Cobalt (mg/L)	NS	<0.001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper (mg/L)	0.2	<0.001	0.02	0.008	0.011	0.006	<0.005	0.012	0.008	0.005	<0.005
Mercury (mg/L)	0.0007	<0.15	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1	0.0046	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01	<0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver (mg/L)	0.05	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium (mg/L)	NS	<0.011	<0.02	<0.02	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc (mg/L)	2	0.01	<0.01	0.012	0.011	<0.01	<0.01	<0.01	0.01	<0.01	0.012
Part 360 Volatile Organics											
1,1,1,2-Tetrachloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,1,1-Trichloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1,2,2-Tetrachloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1,2-Trichloroethane (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1-Dichloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2,3-Trichloropropane (µg/L)	0.04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,2-Dibromoethane (EDB) (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,2-Dichlorobenzene (µg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloroethane (µg/L)	0.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloropropane (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,4-Dichlorobenzene (µg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5

City of Rome
Tannery Road Landfill
MW-9S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021	6/21/2022	9/27/2023	12/3/2024
2-Butanone (MEK) (µg/L)	50 (GV)	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
2-Hexanone (µg/L)	50 (GV)	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
4-Methyl 2-pentanone (µg/L)	NS	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Acetone (µg/L)	50 (GV)	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Acrylonitrile (µg/L)	5	<25	<25	<25	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<25
Benzene (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromochloromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromodichloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromoform (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromomethane (µg/L)	5	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Carbon disulfide (µg/L)	60 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Carbon tetrachloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chlorobenzene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chloroethane (µg/L)	5	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Chloroform (µg/L)	7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chloromethane (µg/L)	5	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
cis-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
cis-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Dibromochloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Dibromomethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Ethyl benzene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Iodomethane (µg/L)	5	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Methylene Chloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Styrene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Tetrachloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Toluene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,4-Dichloro-2-butene (µg/L)	5	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Trichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Trichlorofluoromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Vinyl Acetate (µg/L)	NS	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Vinyl Chloride (µg/L)	2	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Xylenes (Total) (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloroethene - Total	5										

- Notes
- 1) < indicates not detected at or above the listed value
 - 2) NS indicates that no standard has been promulgated.
 - 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
 - 4) GV indicates that the value listed is a guidance value rather than a standard.
 - 5) Values in bold exceeded the applicable NYSDEC ground water standard/guide
 - 6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Leachate Well LMW-10
Analytical Data

Parameter	NYSDEC Ground Water Standard	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07
Field Parameters																							
Conductivity (µmhos/cm)	NS	4,940	4,970	5,440	3,780	4,050	4,810	5,600	4,300	4,810	5,990	3,480	4,743	5,320	4,787	4,570	3,600	5,800	6,400	2,110	5,160	1,420	3,860
pH (s.u.)	6.5 - 8.5	6.48	6.63	7		6.6	6.5	6.78	6.4	6.59	6.14	6.22	6.5	7.03	6.57	6.99	6.3	7	8	7.17	6.69	6	6.57
Redox	NS																						-80
Temperature (deg C)	NS	12.8	15.2	17.2	10.4	7.6	19.7	15.8	9	12.8	16	16.8	10	13		15.5	12	14	18	15.1	13.5	11.3	16
Turbidity (NTU)	5	356	183	585	164	207	383	47	430	189	10	73	189	246	236	100	68	168	600	-	81	0	67
Part 360 Leachate Indicator Parameters																							
Ammonia-Nitrogen (mg/L)	2	200	260	270	200	280	280	270	230	380	350	160	260	290	300	300	230	340	330	160	280	60	320
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	38	24	46	34	30	20	36	43	28	32	31	41	<4.0	31	36	24	39	36	36	35	<20	40
Bromide (mg/L)	2	2.6	3	3.9	1.9	2.1	3.2	3.8	2.3	3.7	4.2	2.5	3.3	4.2	2.7	3	2.2	17	<0.10	1.6	5.9	<0.1	3.9
Chemical Oxygen Demand (mg/L)	NS	420	250	3,200	270	340	490	640	270	300	470	290	490	670	440	430	240	240	71	200	560	105	105
Chloride (mg/L)	250	440	430	610	380	200	450	550	260	450	600	280	410	560	410	470	340	570	600	220	590	67	650
Color (Pt-Co)	15	1,400					600					950					500	1,500					1,000
Nitrate-Nitrogen (mg/L)	10	<0.1	0.16	0.17	<0.1	<0.1	0.15	0.76	0.54	<0.1	<0.1	0.2	0.28	0.27	0.19	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1
Sulfate (mg/L)	250	2.9	2.2	3.6	2.2	2.3	2.5	<1	2.3	3.6	1.4	2.1	2	1.8	2.3	60	<1	2.5	2.8	2.2	<1	3.1	3.1
Total Alkalinity (mg/L)	NS	1,700	1,900	2,200	1,500	1,600	1,800	2,000	1,500	2,000	2,100	1,900	1,900	2,400	2,500	1,200	1,900	2,400	2,700	1,400	2,900	570	2,000
Total Cyanide (mg/L)	0.2	<0.01					<0.01					<0.01					<0.01	<0.01					<0.01
Total Dissolved Solids (mg/L)	500	1,900	2,100	2,500	1,500	1,400	2,200	2,500	1,200	2,200	2,400	1,700	1,900	2,700	2,000	2,100	1,800	2,600	2,600	1,200	2,700	590	2,600
Total Hardness (mg/L)	NS	580	580	690	480	550	750	790	430	700	590	480	520	660	670	450	600	740	690	460	800	270	310
Total Kjeldahl Nitrogen (mg/L)	NS	290	220	320	220	280	300	330	350	330	380	260	220	310	270	260	210	330	390	150	280	60	280
Total Organic Carbon (mg/L)	NS	160	150	230	99	120	120	230	110	180	240	75	160	230	200	120	13	210	270	84	180	28	230
Total Phenols (mg/L)	0.001	0.016	0.02	0.015	0.026	<0.002	0.015	0.013	0.017	0.017	0.021	0.02	0.016	<0.01	<0.002	0.0022	<0.002	<0.002	<0.002	<0.002	<0.05	0.0062	0.013
Part 360 Routine Metals																							
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	120	120	140	100	110	150	150	91	120	110	110	97	110	120	91	120	120	130	100	130	73	100
Iron (mg/L)	0.3*	62	60	70	48	58	61	68	52	38	47	49	35	45	35	45	34	35	49	39	16	32	38
Lead (mg/L)	0.025	0.049	0.031	0.04	0.022	0.041	<0.01	0.014	0.022	0.028	<0.01	<0.01	<0.01	0.017	<0.01	0.26	0.014	0.03	0.036	0.021	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	68	67	83	53	65	94	100	50	96	75	53	67	92	92	54	74	110	91	51	110	20	65
Manganese (mg/L)	0.3*	1.3	1.5	2.4	1.6	1.5	1.7	2.7	1.3	0.74	1.5	1.6	0.85	1	0.62	1.4	0.76	0.55	1.2	0.029	0.26	0.98	0.98
Potassium (mg/L)	NS	190	200	340	180	230	230	410	220	350	330	320	380	330	320	280	250	280	300	160	240	40	370
Sodium (mg/L)	20	430	460	600	250	270	420	630	250	500		230	470	580	410	270	380	370	490	230	580	50	430
Part 360 Additional Baseline Metals																							
Aluminum (mg/L)	NS	2.4					0.9					0.28					0.96	1.4					0.93
Antimony (mg/L)	0.003	<0.01					<0.01					0.012					<0.01	<0.01					<0.01
Arsenic (mg/L)	0.025	0.02					0.038					0.022					0.03	<0.01					<0.01
Barium (mg/L)	1	<0.2					0.32					0.25					0.47	0.75					0.37
Beryllium (mg/L)	0.003 (GV)	<0.01					<0.01					<0.01					<0.01	<0.01					<0.01
Boron (mg/L)	1	2.5	2.7	3.7			3.4	4.4	1.6	3.8		1.7					2.3	3.8					2.3
Chromium (mg/L)	0.05	0.031					0.019					<0.01					0.017	0.02					<0.01
Chromium, Hexavalent (mg/L)	0.05	<0.01					<0.01					<0.01					0.013	<0.01					0.017
Cobalt (mg/L)	NS	0.012					0.017					<0.01					0.012	0.018					0.021
Copper (mg/L)	0.2	0.052					0.013					<0.01					0.018	0.024					<0.04
Mercury (mg/L)	0.0007	0.0002					<0.0002					<0.0002					<0.0002	<0.0002					<0.0002
Nickel (mg/L)	0.1	0.062					0.049					0.024					0.029	0.046					0.036
Selenium (mg																							

City of Rome
Tannery Road Landfill
Leachate Well LMW-10
Analytical Data

Parameter	NYSDEC	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07
	Ground Water																						
	Standard																						
1,2-Dichloroethane (µg/L)	0.6	<5.0				<5	<5					<1					<5	<5				<5.0	
1,2-Dichloropropane (µg/L)	1	<5.0				<5	<5					<1					<5	<5				<5.0	
1,4-Dichlorobenzene (µg/L)	3	<5.0					<5										<5	<5				<5.0	
2-Butanone (MEK) (µg/L)	50 (GV)	<10.0				<10	<10					<10					<20	<50				<5.0	
2-Hexanone (µg/L)	50 (GV)	<10.0				<10	<10					<10					<20	<50				<5.0	
4-Methyl 2-pentanone (µg/L)	NS	<10.0					<10					<10					<20	<50				<5.0	
Acetone (µg/L)	50 (GV)	18				28	13					<10					<50	<50				<5.0	
Acrylonitrile (µg/L)	5	<20.0					<20					<5					<100	<200				<200	
Benzene (µg/L)	1	5.5				5.7	<5					5					6.2	7.7				7	
Bromochloromethane (µg/L)	5	<5.0					<5					<1					<5	<5				<5.0	
Bromodichloromethane (µg/L)	50 (GV)	<5.0				<5	<5					<1					<5	<5				<5.0	
Bromoform (µg/L)	50 (GV)	<5.0				<5	<5					<1					<5	<5				<5.0	
Bromomethane (µg/L)	5	<5.0				<5	<5					<1					<5	<5				<5.0	
Carbon disulfide (µg/L)	60 (GV)	<5.0				<5	<5					<1					<5	<5				<5.0	
Carbon tetrachloride (µg/L)	5	<5.0				<5	<5					<1					<5	<5				<5.0	
Chlorobenzene (µg/L)	5	<5.0				<5	<5					4.1					5.3	<5				<5.0	
Chloroethane (µg/L)	5	33				33	22					22					24	20				<5.0	
Chloroform (µg/L)	7	<5.0				<5	<5					<1					<5	<5				<5.0	
Chloromethane (µg/L)	5	<5.0				<5	<5					<1					<5	<5				<5.0	
cis-1,2-Dichloroethene (µg/L)	5	<5.0					<5					<1					<5	<5				<5.0	
cis-1,3-Dichloropropene (µg/L)	0.4**	<5.0				<5	<5					<1					<5	<5				<5.0	
Dibromochloromethane (µg/L)	50 (GV)	<5.0				<5	<5					<1					<5	<5				<5.0	
Dibromomethane (µg/L)	5	<5.0					<5					<1					<5	<5				<5.0	
Ethyl benzene (µg/L)	5	29				<5	<5					<1					<5	<5				<5.0	
Iodomethane (µg/L)	5	<10.0					<10					<10					<20	<50				<5.0	
Methylene Chloride (µg/L)	5	<10.0				<10	<10					<10					<20	<5				<5.0	
Styrene (µg/L)	5	<5.0				<5	<5					<1					<5	<5				<5.0	
Tetrachloroethene (µg/L)	5	<5.0				<5	<5					<1					<5	<5				<5.0	
Toluene (µg/L)	5	<5.0				<5	<5					<1					<5	<5				<5.0	
trans-1,2-Dichloroethene (µg/L)	5	<5.0					<5					<1					<5	<5				<5.0	
trans-1,3-Dichloropropene (µg/L)	0.4**	<5.0				<5	<5					<1					<5	<5				<5.0	
trans-1,4-Dichloro-2-butene (µg/L)	5	<10.0					<10					<10					<20	<50				<5.0	
Trichloroethene (µg/L)	5	<5.0				<5	<5					<1					<5	<5				<5.0	
Trichlorofluoromethane (µg/L)	5	<5.0					<5					<1					<5	<5				<5.0	
Vinyl Acetate (µg/L)	NS	<20.0					<20					<5					<20	<50				<5.0	
Vinyl Chloride (µg/L)	2	<5.0				<5	<5					<1					<5	<5				<5.0	
Xylenes (Total) (µg/L)	5	75				96	28					63					69	26				63	
1,2-Dichloroethene - Total	5					<5																	

- Notes
- 1) < indicates not detected at or above the listed value
 - 2) NS indicates that no standard has been promulgated.
 - 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
 - 4) GV indicates that the value listed is a guidance value rather than a standard.
 - 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
 - 6) ** Indicates standard applies to the sum of the isomers
 - 7) J indicates estimated concentration based on QC data

City of Rome Tannery Road Landfill Leachate Well LMW-10 Analytical Data																			
Parameter	NYSDEC Ground Water Standard	9/25/07	12/17/07	3/27/08	6/19/08	9/23/08	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014
Field Parameters																			
Conductivity (µmhos/cm)	NS	5,410	6,070	4,780	4,430	5,160	4,590	5,050	5,100	1,450	1260	5,660	4,430	5,290	2850	3,100	2,770	1,700	2,400
pH (s.u.)	6.5 - 8.5	6.59	6.65	6.71	6.44	6.93	7.4	6.35	6.5	6.6	6.08	6.43	7.77	7.53	6.68	6.23	6.35	6.5	6.6
Redox	NS																		
Temperature (deg C)	NS	15.4	10.2	13.5	14.9	15.3	13	13.9	14	14.5	11.8	11.5	15.5	14.3	10.4	12.3	15	14	7
Turbidity (NTU)	5	101	134	60	51	0	27	35	35	180	10	16	57	96	10	39	0	40	10
Part 360 Leachate Indicator Parameters																			
Ammonia-Nitrogen (mg/L)	2	350	290	260	320	260	280	260	49	270	54	310	148	235	158	167	150	86.4	109
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	30	31	29	32	52	36	46	12	40	20	22	29	>175	35	38	36	35	20
Bromide (mg/L)	2	3.5	2.1	2.7	3.3	4.1	3.3	3	<0.1	4.3	<0.1	<1.0	<1.0	2.62	<1.0	<1.0	<1.0	<1.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	700	420	380	590	140	490	430	56	430	64	635	507	613	258	247	221	127	117
Chloride (mg/L)	250	580	410	560	540	610	540	580	34	520	83	250	508	516	188	195	231	99.2	97.3
Color (Pt-Co)	15					400					25	70				>70	>70	30	70
Nitrate-Nitrogen (mg/L)	10	<0.1	<0.1	<0.2	0.2	0.22	<0.1	<0.1	<0.1	<0.1	<0.1	1.56	0.16	<0.020	<0.02	0.15	<0.02	0.26	<0.02
Sulfate (mg/L)	250	1.8	26	<10	1.9	2	<1	2	<1	2.7	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0
Total Alkalinity (mg/L)	NS	2,200	1,600	1,700	2,200	2,400	2,300	2,300	210	1,900	620	2,200	2,100	2,300	1210	1210	1,240	22	830
Total Cyanide (mg/L)	0.2					0.01					<0.01	<0.010				<0.01	<0.01	<0.010	<0.01
Total Dissolved Solids (mg/L)	500	2,300	1,900	2,400	2,200	2,700	2,400	2,300	430	300	610	1,240	2,160	2,300	1,090	1,090	1,180	1,200	650
Total Hardness (mg/L)	NS	690	530	670	590	570	610	630	240	750	340	358	730	724	379	393	467	954	318
Total Kjeldahl Nitrogen (mg/L)	NS	350	270	270	310	270	260	260	53	260	54	25.2	260	231	171	169	123	83.7	104
Total Organic Carbon (mg/L)	NS	240	160	210	230	210	200	200	23	120	37	220	194	183	66.6	64	88.2	37.1	38.2
Total Phenols (mg/L)	0.001	0.015	0.02	0.011	0.016	0.014	0.01	0.012	0.086 J	0.009	0.01	0.003	0.007	0.018	0.01	0.018	0.005	0.009	0.01
Part 360 Routine Metals																			
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.00013	<0.005	<0.005	<0.005	0.00015	<0.00021	<0.00015	<0.005
Calcium (mg/L)	NS	120	120	130	120	120	100	120	70	130	100	85.3	122	125	69.2	83.2	112	161	82.1
Iron (mg/L)	0.3*	35	55	41	55	40	32	38	41	43	47	33.9	26.9	35.6	30.2	21.2	41.8	65.8	25.2
Lead (mg/L)	0.025	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.03	0.017	0.046	<0.01	<0.002	<0.005	<0.005	0.014	0.0046	0.0063	0.003	<0.005
Magnesium (mg/L)	35 (GV)	88	54	85	69	78	87	79	16	100	22	35.2	103	100	35	45	45.5	35.9	27.3
Manganese (mg/L)	0.3*	1.2	1.1	70	1.5	0.69	0.34	0.4	0.73	0.43	1	0.678	0.269	0.387	0.759	0.743	1.03	0.911	0.807
Potassium (mg/L)	NS	380	170	310	220	270	250	330	28	390	39	101	368	222	99.2	127	125	134	74
Sodium (mg/L)	20	520	200	450	330	340	350	450	31	670	55	112	371	346	124	146	116	130	84.2
Part 360 Additional Baseline Metals																			
Aluminum (mg/L)	NS					0.91					0.34	0.106				0.0346	0.165	0.032	<0.1
Antimony (mg/L)	0.003					<0.01					<0.01	<0.020				<0.0196	<0.0011	<0.002	<0.06
Arsenic (mg/L)	0.025					<0.01					<0.01	<0.002				<0.0015	<0.0022	<0.002	<0.005
Barium (mg/L)	1					0.51					0.17	0.302				0.0904	0.151	0.174	0.08
Beryllium (mg/L)	0.003 (GV)					<0.01					<0.01	<0.00014				<0.00014	<0.00016	<0.0001	<0.005
Boron (mg/L)	1					2.8					<0.5	1.03				1.28	1.16	0.754	0.686
Chromium (mg/L)	0.05					<0.01					<0.01	<0.005				0.0081	<0.0051	0.006	<0.005
Chromium, Hexavalent (mg/L)	0.05					0.016					<0.01	<0.020				<0.020	<0.02	<0.020	<0.02
Cobalt (mg/L)	NS					0.013					<0.01	0.005				0.0059	0.0058	0.003	<0.05
Copper (mg/L)	0.2					<0.01					0.011	<0.003				0.0042	<0.0025	<0.001	<0.005
Mercury (mg/L)	0.0007					<0.0002					<0.0002	<0.00007				<0.00006	<0.0001	<0.15	<0.0002
Nickel (mg/L)	0.1					0.042					0.019	0.016				0.0177	0.0137	0.00079	<0.02
Selenium (mg/L)	0.01					<0.01					<0.01	<0.003				<0.0025	<0.0015	<0.003	<0.005
Silver (mg/L)	0.05					<0.01					<0.01	<0.003				<0.0028	<0.0014	<0.003	<0.01
Thallium (mg/L)	0.0005 (GV)					<0.01					<0.02	0.038				0.0219	<0.0018	0.008	<0.01
Vanadium (mg/L)	NS					0.023					<0.01	<0.005				<0.0049	0.006	<0.011	<0.02
Zinc (mg/L)	2					0.072					0.026	0.005				0.0082	0.0068	0.006	<0.01
Part 360 Volatile Organics																			
1,1,1,2-Tetrachloroethane (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane (µg/L)	1					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane (µg/L)	0.04					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04					<1					<1	<10				<10	<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene (µg/L)	3					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0

City of Rome
Tannery Road Landfill
Leachate Well LMW-10
Analytical Data

Parameter	NYSDEC	9/25/07	12/17/07	3/27/08	6/19/08	9/23/08	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014
	Ground Water																		
	Standard																		
1,2-Dichloroethane (µg/L)	0.6					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane (µg/L)	1					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene (µg/L)	3					1.4					6.6	<5.0				<5.0	3.1	6.9	7
2-Butanone (MEK) (µg/L)	50 (GV)					<10					<10	<10				<10	<10	<10	<10
2-Hexanone (µg/L)	50 (GV)					<10					<10	<10				<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS					<10					<10	<10				<10	<10	<10	<10
Acetone (µg/L)	50 (GV)					16					16	11				8.6 J	<10	<10	<10
Acrylonitrile (µg/L)	5					<20					<20	<25				<25	<25	<25	<25
Benzene (µg/L)	1					5.9					6.3	5.6				8	4.4	7.7	7
Bromochloromethane (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Bromodichloromethane (µg/L)	50 (GV)					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Bromoform (µg/L)	50 (GV)					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Bromomethane (µg/L)	5					<1					<1	<10				<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Chlorobenzene (µg/L)	5					1.3					9.7	<5.0				9.3	5.2	10	10
Chloroethane (µg/L)	5					7.3					21	15				42	8.8	14	18
Chloroform (µg/L)	7					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Chloromethane (µg/L)	5					<1					<1	<10				<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Dibromochloromethane (µg/L)	50 (GV)					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Dibromomethane (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Ethyl benzene (µg/L)	5					<1					1.3	<5.0				<5.0	<5.0	<5.0	<5.0
Iodomethane (µg/L)	5					<5					<5	<10				<10	<10	<10	<10
Methylene Chloride (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Styrene (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Tetrachloroethene (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Toluene (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5					<5					<5	<10				<10	<10	<10	<10
Trichloroethene (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Trichlorofluoromethane (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Vinyl Acetate (µg/L)	NS					<5					<5	<10				<10	<10	<10	<10
Vinyl Chloride (µg/L)	2					<1					<1	<10				<10	<10	<10	<10
Xylenes (Total) (µg/L)	5					4.2					85	15				72.6	6.2	5.1	48
1,2-Dichloroethene - Total	5																		

- Notes
- 1) < indicates not detected at or above the listed value
 - 2) NS indicates that no standard has been promulgated.
 - 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
 - 4) GV indicates that the value listed is a guidance value rather than a standard.
 - 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
 - 6) ** Indicates standard applies to the sum of the isomers
 - 7) J indicates estimated concentration based on QC data

City of Rome Tannery Road Landfill Leachate Well LMW-10 Analytical Data									
Parameter	NYSDEC Ground Water Standard	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021	6/21/2022	9/27/2023	12/3/2024
Field Parameters									
Conductivity (µmhos/cm)	NS	2,400	1,800	2,200	1,758	1,515	1,587	2,726	752.7
pH (s.u.)	6.5 - 8.5	6.81	6.8	6.9	6.84	7.03	6.84	6.90	6.78
Redox	NS	-68.2			-22.3	-76.1	-50.8	-70.9	-20.7
Temperature (deg C)	NS	13.2	15	15	10.2	13.7	12.9	13.0	10.44
Turbidity (NTU)	5	140	140	20	68	67.55	25.2	19.86	4.55
Part 360 Leachate Indicator Parameters									
Ammonia-Nitrogen (mg/L)	2	70.7	53	79.1	48.2	49.8	60.6	146	258
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	51	42.9	37	38	37	38	35	30
Bromide (mg/L)	2	<1.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<2
Chemical Oxygen Demand (mg/L)	NS	245	195	195	298	111	125	412	446
Chloride (mg/L)	250	115	86.1	86.1	61.2	68	76	283	329
Color (Pt-Co)	15	200	275	250	130	160	200	600	250
Nitrate-Nitrogen (mg/L)	10	0.09	0.19	<0.04	<0.04	<0.04	<0.04	0.23	0.32
Sulfate (mg/L)	250	132	77.3	33.1	14.1	10.6	<2.0	<2.0	<4
Total Alkalinity (mg/L)	NS	990	790	990	800	710	712	1,330	1,570
Total Cyanide (mg/L)	0.2	<0.01	<0.01	<0.01	0.015	<0.01	<0.01	<0.01	<0.01
Total Dissolved Solids (mg/L)	500	1,250	1100	1,220	815	780	870	1,570	1,720
Total Hardness (mg/L)	NS	571	391	369	334	395	305	401	621
Total Kjeldahl Nitrogen (mg/L)	NS	68.9	57.1	86	45.6	49.3	49.3	167	196
Total Organic Carbon (mg/L)	NS	72.6	51.8	77.9	54.1	45.3	46	98.2	178
Total Phenols (mg/L)	0.001	0.003	<0.002	0.025	<0.004	<0.004	<0.004	0.006	0.005
Part 360 Routine Metals									
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (mg/L)	NS	165	113	99.8	92.7	112	83.4	95.9	122
Iron (mg/L)	0.3*	26.9	18.5	11.1	15.5	15.9	32.1	35.9	33.4
Lead (mg/L)	0.025	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	0.008	<0.005
Magnesium (mg/L)	35 (GV)	38.6	26.4	26.1	24.8	28	23.6	39.2	76.9
Manganese (mg/L)	0.3*	0.632	0.42	0.369	0.335	0.363	0.347	0.617	0.853
Potassium (mg/L)	NS	156	220	234	139	152	<0.05	161	306
Sodium (mg/L)	20	137	115	118	88.5	68.6	27.4	177	411
Part 360 Additional Baseline Metals									
Aluminum (mg/L)	NS	<0.1	0.105	<0.1	0.127	<0.1	0.458	0.438	0.613
Antimony (mg/L)	0.003	<0.06	<0.060	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025	<0.005	<0.005	0.007	<0.005	<0.005	<0.005	<0.005	<0.005
Barium (mg/L)	1	0.573	0.434	0.449	0.433	0.538	0.492	0.471	0.233
Beryllium (mg/L)	0.003 (GV)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron (mg/L)	1	1.19	0.944	0.974	0.888	0.83	0.82	1.7	2.16
Chromium (mg/L)	0.05	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	0.01	0.009
Chromium, Hexavalent (mg/L)	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	0.02 R	<0.02	<0.02
Cobalt (mg/L)	NS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper (mg/L)	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury (mg/L)	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver (mg/L)	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01
Vanadium (mg/L)	NS	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc (mg/L)	2	0.015	0.014	<0.01	0.013	0.011	0.061	0.052	<0.01
Part 360 Volatile Organics									
1,1,1,2-Tetrachloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,1,1-Trichloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1,2,2-Tetrachloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1,2-Trichloroethane (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1-Dichloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2,3-Trichloropropane (µg/L)	0.04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,2-Dichlorobenzene (µg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5

City of Rome
Tannery Road Landfill
Leachate Well LMW-10
Analytical Data

Parameter	NYSDEC Ground Water Standard	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021	6/21/2022	9/27/2023	12/3/2024
1,2-Dichloroethane (µg/L)	0.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloropropane (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,4-Dichlorobenzene (µg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
2-Butanone (MEK) (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS	<10	<10	<10	<10	<10	<10	<10	<10
Acetone (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile (µg/L)	5	<25	<25	<25	<25	<25	<25	<25	<25
Benzene (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromochloromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromodichloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromoform (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Bromomethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Carbon tetrachloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chlorobenzene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chloroethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform (µg/L)	7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Chloromethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
cis-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Dibromochloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Dibromomethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Ethyl benzene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Iodomethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Styrene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Tetrachloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Toluene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
trans-1,4-Dichloro-2-butene (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10
Trichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Trichlorofluoromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
Vinyl Acetate (µg/L)	NS	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride (µg/L)	2	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes (Total) (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,2-Dichloroethene - Total	5								

- Notes**
- 1) < indicates not detected at or above the listed value
 - 2) NS indicates that no standard has been promulgated.
 - 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
 - 4) GV indicates that the value listed is a guidance value rather than a standard.
 - 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
 - 6) ** Indicates standard applies to the sum of the isomers
 - 7) J indicates estimated concentration based on QC data

City of Rome Tannery Road Landfill Leachate Well LMW-12 Analytical Data																				
Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/2003	6/25/2003	9/17/2003
Field Parameters																				
Conductivity (µmhos/cm)	NS	3,400	3,430	3,850	3,900	4,470	4,770	4,560	4,940	4,080	3,820	4,100	5,090	4,750	4,490	5,700	4,430	4,820	4,500	4,550
pH (s.u.)	6.5 - 8.5	6.12	6.74	6.69	6.7	6.64	7.01	6.54	6.5	6.56	6.54	6.75	6.65	6.42	6.66	7.1		6.7	6.64	6.79
Temperature (deg C)	NS	12.2	17.8	15.3	12	10.9	16	14.8	9.4	11.7	18.4	14.1	11.9	12.2	14.5	17	10.3	7.5	18.2	15.4
Turbidity (NTU)	5	228	368	678	650	351	153	268	180	150	432	315	125	53	25	350	243	111	253	4
Part 360 Leachate Indicator Parameters																				
Ammonia-Nitrogen (mg/L)	2	150	120	170	160	210	260	250	250	200	190	240	270	200	210	220	200	240	280	270
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	17	34	16	16	34	37	30	29		5.5	40	25	<20.0	18	46	37	28	22	25
Bromide (mg/L)	2	2.1	<0.2	<2.0	5.1	4.47	4.8	5.4	5.7	4.2	3.9	3.9	4.3	4.4	4.5	4.8	4.8	5.2	4.4	5.2
Chemical Oxygen Demand (mg/L)	NS	170	370	<10.0	270	380	400	440	440	360	170	31	240	97	280	410	400	360	420	430
Chloride (mg/L)	250	280	330	320	330	370	500	410	510	320	330	460	330	350	340	470	460	320	370	350
Color (Pt-Co)	15		580					300					750	1500					750	
Nitrate-Nitrogen (mg/L)	10	<0.2	<0.2	<0.2	<0.2	<0.2	0.21	<0.1	0.15	0.17	0.26	0.16	<0.1	0.38	0.19	0.2	0.25	0.28	0.19	0.19
Sulfate (mg/L)	250	180	6	11	<5.0	53	1.9	1.5	1.4	2.3	2.8	3	<1.0	2.3	1.9	2.2	2.5	2.2	2.3	2.2
Total Alkalinity (mg/L)	NS	1400	1600	280	1400	990	990	1800	1800	1300	1700	1800	1800	1600	1800	1800	1700	1,900	1,800	1,700
Total Cyanide (mg/L)	0.2		<0.01					<0.01					<0.01	<0.01					<0.01	
Total Dissolved Solids (mg/L)	500	1500	1400	1630	1750	1830	2100	1900	2000	1800	1700	1700	2000	1700	1900	1900	1800	1,900	2,000	1,800
Total Hardness (mg/L)	NS	652	620	831	635	596	540	620	630	620	620	660	580	650	620	630	660	600	590	720
Total Kjeldahl Nitrogen (mg/L)	NS	160	180	170	160	200	260	280	270	210	190	230	250	210	200	240	220	270	330	270
Total Organic Carbon (mg/L)	NS	89	90	270	107	37.3	140	120	150	130	130	140	120	150	160	160	180	150	100	150
Total Phenols (mg/L)	0.001	0.03	0.027	0.034	0.033	0.027	0.019	<0.002	0.02	0.02	0.024	0.021	0.02	0.019	0.024	0.021	0.017	<0.002	0.014	0.014
Part 360 Metals																				
Boron (mg/L)	1		2.7				3.4	3.4			2.3	2.8	3	3.1	3	3		3.2	4	
Cadmium (mg/L)	0.005	0.0058	0.0061	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	133	120	172	117	110	93	110	110	110	100	120	100	110	110	110	120	100	100	130
Iron (mg/L)	0.3*	57.2	54.9	58.4	57.1	51.6	52	59	59	58	56	65	54	55	50	57	54	52	50	67
Lead (mg/L)	0.025	0.0096	0.0061	0.022	0.011	0.012	<0.01	<0.01	0.026	<0.01	<0.01	<0.01	0.018	<0.01	<0.01	<0.01	0.018	0.015	<0.01	0.018
Magnesium (mg/L)	35 (GV)	77.8	76.8	97.6	83.4	78	76	84	89	82	86	90	80	88	86	88	90	82	83	98
Manganese (mg/L)	0.3*	0.447	0.356	0.73	0.39	0.39	0.28	0.36	0.37	0.35	0.35	0.45	0.4	0.4	0.36	0.45	0.46	0.35	0.36	0.47
Potassium (mg/L)	NS	167	190	190	160	180	260	260	300	190	210	200	220	210	220	220	210	250	320	280
Sodium (mg/L)	20	246	285	310	240	280	350	340	480	340	450	400	280	440	430	410	430	340	360	490
Part 360 Additional Baseline Metals																				
Aluminum (mg/L)	NS		0.854					2.1					1.8	0.7					0.74	
Antimony (mg/L)	0.003		<0.015					0.031					<0.01	<0.01					0.01	
Arsenic (mg/L)	0.025		<0.01					<0.01					0.013	0.02					0.041	
Barium (mg/L)	1		0.351					0.4					0.4	0.35					0.46	
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.01					<0.01	<0.01					<0.01	
Chromium (mg/L)	0.05		<0.005					0.019					0.012	<0.01					0.015	
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01	
Cobalt (mg/L)	NS		<0.02					0.014					0.012	<0.01					0.012	
Copper (mg/L)	0.2		<0.01					0.014					<0.01	<0.01					<0.01	
Mercury (mg/L)	0.0007		<0.0002					<0.0002					0.0003	0.005					<0.0002	
Nickel (mg/L)	0.1		<0.03					0.039					0.031	0.024					0.036	
Selenium (mg/L)	0.01		<0.005					<0.01					<0.01	<0.01					<0.01	
Silver (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01	
Thallium (mg/L)	0.0005 (GV)		<0.01					<0.01					<0.1	<0.01					0.014	
Vanadium (mg/L)	NS		<0.3					0.02					0.02	0.012					0.023	
Zinc (mg/L)	2		0.0388					0.13					0.071	0.022					0.046	
Part 360 Volatile Organics																				
1,1,1,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5	
1,1,1-Trichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5	
1,1,2,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5	
1,1,2-Trichloroethane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5	
1,1-Dichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5	

City of Rome Tannery Road Landfill Leachate Well LMW-12 Analytical Data																				
Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/2003	6/25/2003	9/17/2003
1,1-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5	
1,2,3-Trichloropropane (µg/L)	0.04							<5.0					<5.0	<5.0					<5	
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<10.0					<5.0					<5.0	<5.0					<5	
1,2-Dibromoethane (EDB) (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5	
1,2-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5	
1,2-Dichloroethane (µg/L)	0.6		<5.0					<5.0					<5.0	<5.0				<5	<5	
1,2-Dichloropropane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5	
1,3-Dichlorobenzene (µg/L)	3		<5.0																	
1,4-Dichloro-2-butene (µg/L)	5		<10.0																	
1,4-Dichlorobenzene (µg/L)	3		1					<5.0					<5.0	<5.0					<5	
2-Butanone (MEK) (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10	
2-Hexanone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10	
4-Methyl 2-pentanone (µg/L)	NS		<10.0					<10.0					<10.0	<10.0				<10	<10	
Acetone (µg/L)	50 (GV)		<10.0					15					<10.0	16				11	13	
Acrylonitrile (µg/L)	5		<100.0					<20.0					<20.0	<20.0					<20	
Benzene (µg/L)	1		10					43					33	35				40	34	
Bromochloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5	
Bromodichloromethane (µg/L)	50 (GV)		<5.0										<5.0	<5.0				<5	<5	
Bromoform (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5	
Bromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5	
Carbon disulfide (µg/L)	60 (GV)		<68					<5.0					<5.0	<5.0				<5	<5	
Carbon tetrachloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5	
Chlorobenzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5	
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5	
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5	
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5	
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5	
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5	
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5	
Dibromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5	
Ethyl benzene (µg/L)	5		2					<5.0					<5.0	<5.0				<5	<5	
Iodomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<10	
Methylene Chloride (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<10	<10	
Styrene (µg/L)	5							<5.0					<5.0	<5.0				<5	<5	
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5	
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5	
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5	
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5	
trans-1,4-Dichloro-2-butene (µg/L)	5							<50.0					<50.0	<10.0					<10	
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5	
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5	
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20	
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5	
Xylenes (Total) (µg/L)	5		15					41					26	17				11	<5	
1,2-Dichloroethene - Total																		<5		

- Notes
- 1) < indicates not detected at or above the listed value
 - 2) NS indicates that no standard has been promulgated.
 - 3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
 - 4) GV indicates that the value listed is a guidance value rather than a standard.
 - 5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
 - 6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Leachate Well LMW-12
Analytical Data

Parameter	12/16/03	3/23/2004	6/22/2004	9/28/2004	12/16/2004	3/22/2005
Field Parameters						
Conductivity (µmhos/cm)	4,600	4970	4,480	4,620	4,450	3,690
pH (s.u.)	7.1	6.57	6.68	6.4	6.7	6.88
Temperature (deg C)	10	11.3	15.5	15.5	10	11.5
Turbidity (NTU)	150	83	15	5	180	41
Part 360 Leachate Indicator Parameters						
Ammonia-Nitrogen (mg/L)	230	300	270	220	290	240
Biochemical Oxygen Demand (BOD5) (mg/L)	<20	29	31	35	41	17
Bromide (mg/L)	4.8	5	5.1	4.8	4.8	4.4
Chemical Oxygen Demand (mg/L)	380	720	130	420	480	430
Chloride (mg/L)	290	370	500	270	350	350
Color (Pt-Co)				1,400		
Nitrate-Nitrogen (mg/L)	0.41	0.55	0.24	0.2	0.67	0.24
Sulfate (mg/L)	2.6	2	1.4	2.3	2.4	1.6
Total Alkalinity (mg/L)	1,700	1800	1,900	1,700	1,700	1,800
Total Cyanide (mg/L)				<0.01		
Total Dissolved Solids (mg/L)	1,800	1800	1,700	1,700	1,600	1,800
Total Hardness (mg/L)	540	460	470	450	380	430
Total Kjeldahl Nitrogen (mg/L)	280	270	270	230	260	220
Total Organic Carbon (mg/L)	160	140	130	140	150	160
Total Phenols (mg/L)	0.018	0.022	0.022	0.019	0.017	0.013
Part 360 Metals						
Boron (mg/L)	3	3		2.8		
Cadmium (mg/L)	<0.01	<0.010	<0.01	<0.01	<0.01	<0.010
Calcium (mg/L)	97	77	80	76	68	72
Iron (mg/L)	47	44	44	42	36	45
Lead (mg/L)	0.011	0.015	<0.01	<0.01	<0.01	<0.010
Magnesium (mg/L)	73	64	66	63	51	62
Manganese (mg/L)	0.35	0.29	0.28	0.28	0.23	0.29
Potassium (mg/L)	260	270	250	400	230	200
Sodium (mg/L)	300	330	320	320	360	350
Part 360 Additional Baseline Metals						
Aluminum (mg/L)				0.45		
Antimony (mg/L)				0.014		
Arsenic (mg/L)				0.026		
Barium (mg/L)				0.22		
Beryllium (mg/L)				<0.01		
Chromium (mg/L)				<0.01		
Chromium, Hexavalent (mg/L)				<0.01		
Cobalt (mg/L)				<0.01		
Copper (mg/L)				<0.01		
Mercury (mg/L)				<0.0002		
Nickel (mg/L)				0.024		
Selenium (mg/L)				<0.01		
Silver (mg/L)				<0.01		
Thallium (mg/L)				<0.01		
Vanadium (mg/L)				0.026		
Zinc (mg/L)				0.026		
Part 360 Volatile Organics						
1,1,1,2-Tetrachloroethane (µg/L)				<1		
1,1,1-Trichloroethane (µg/L)				<1		
1,1,2,2-Tetrachloroethane (µg/L)				<1		
1,1,2-Trichloroethane (µg/L)				<1		
1,1-Dichloroethane (µg/L)				<1		

City of Rome
Tannery Road Landfill
Leachate Well LMW-12
Analytical Data

Parameter	12/16/03	3/23/2004	6/22/2004	9/28/2004	12/16/2004	3/22/2005
1,1-Dichloroethene (µg/L)				<1		
1,2,3-Trichloropropane (µg/L)				<1		
1,2-Dibromo-3-chloropropane (µg/L)				<1		
1,2-Dibromoethane (EDB) (µg/L)				<1		
1,2-Dichlorobenzene (µg/L)				<1		
1,2-Dichloroethane (µg/L)				<1		
1,2-Dichloropropane (µg/L)				<1		
1,3-Dichlorobenzene (µg/L)						
1,4-Dichloro-2-butene (µg/L)						
1,4-Dichlorobenzene (µg/L)				<1		
2-Butanone (MEK) (µg/L)				<10		
2-Hexanone (µg/L)				<10		
4-Methyl 2-pentanone (µg/L)				<10		
Acetone (µg/L)				<10		
Acrylonitrile (µg/L)				<5		
Benzene (µg/L)				16		
Bromochloromethane (µg/L)				<1		
Bromodichloromethane (µg/L)				<1		
Bromoform (µg/L)				<1		
Bromomethane (µg/L)				<1		
Carbon disulfide (µg/L)				<1		
Carbon tetrachloride (µg/L)				<1		
Chlorobenzene (µg/L)				1.6		
Chloroethane (µg/L)				<1		
Chloroform (µg/L)				<1		
Chloromethane (µg/L)				<1		
cis-1,2-Dichloroethene (µg/L)				<1		
cis-1,3-Dichloropropene (µg/L)				<1		
Dibromochloromethane (µg/L)				<1		
Dibromomethane (µg/L)				<1		
Ethyl benzene (µg/L)				<1		
Iodomethane (µg/L)				<10		
Methylene Chloride (µg/L)				<10		
Styrene (µg/L)				<1		
Tetrachloroethene (µg/L)				<1		
Toluene (µg/L)				<1		
trans-1,2-Dichloroethene (µg/L)				<1		
trans-1,3-Dichloropropene (µg/L)				<1		
trans-1,4-Dichloro-2-butene (µg/L)				<10		
Trichloroethene (µg/L)				<1		
Trichlorofluoromethane (µg/L)				<1		
Vinyl Acetate (µg/L)				<5		
Vinyl Chloride (µg/L)				<1		
Xylenes (Total) (µg/L)				2		
1,2-Dichloroethene - Total						

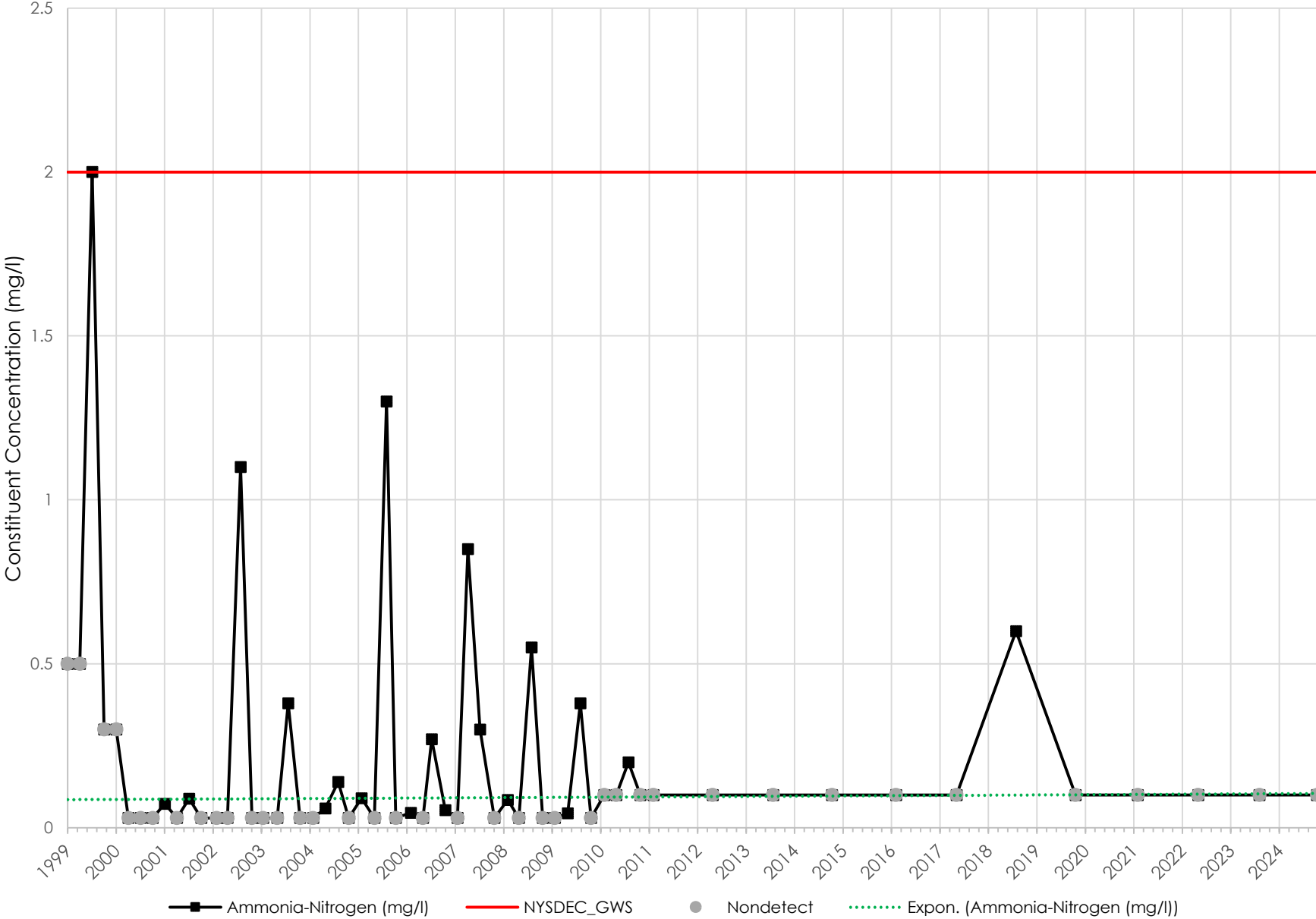
Notes

- 1) < indicates not detected at or above the listed value
- 2) NS indicates that no standard has been promulgated.
- 3) * indicates that the sum of these two analytes may not ex
- 4) GV indicates that the value listed is a guidance value rat
- 5) Values in bold exceeded the applicable NYSDEC groun
- 6) ** Indicates standard applies to the sum of the isomers

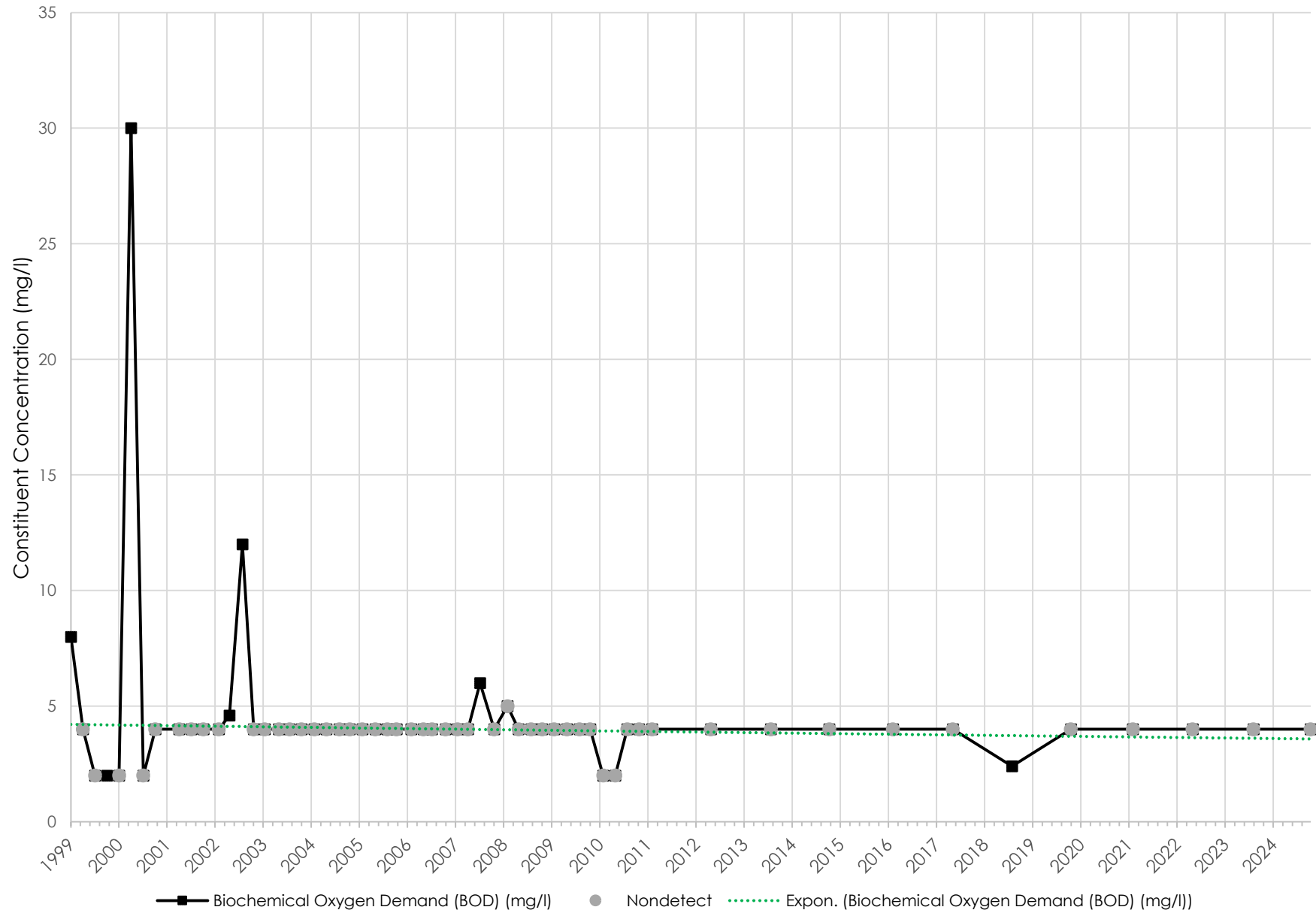
Appendix B

Monitoring Well and Leachate Well Time Series Concentration Graphs

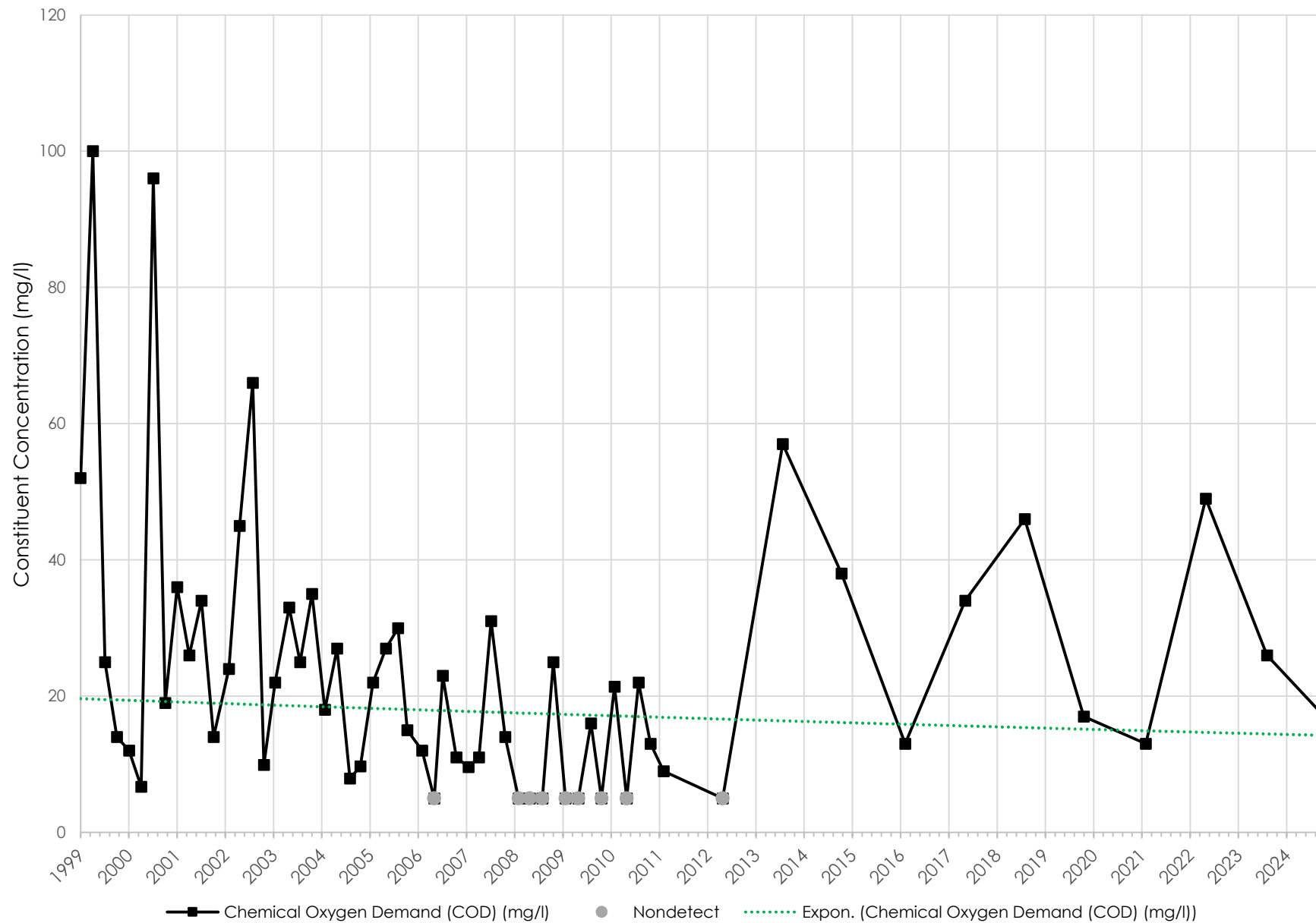
Time-Series MW-1S, Ammonia-Nitrogen (mg/l)



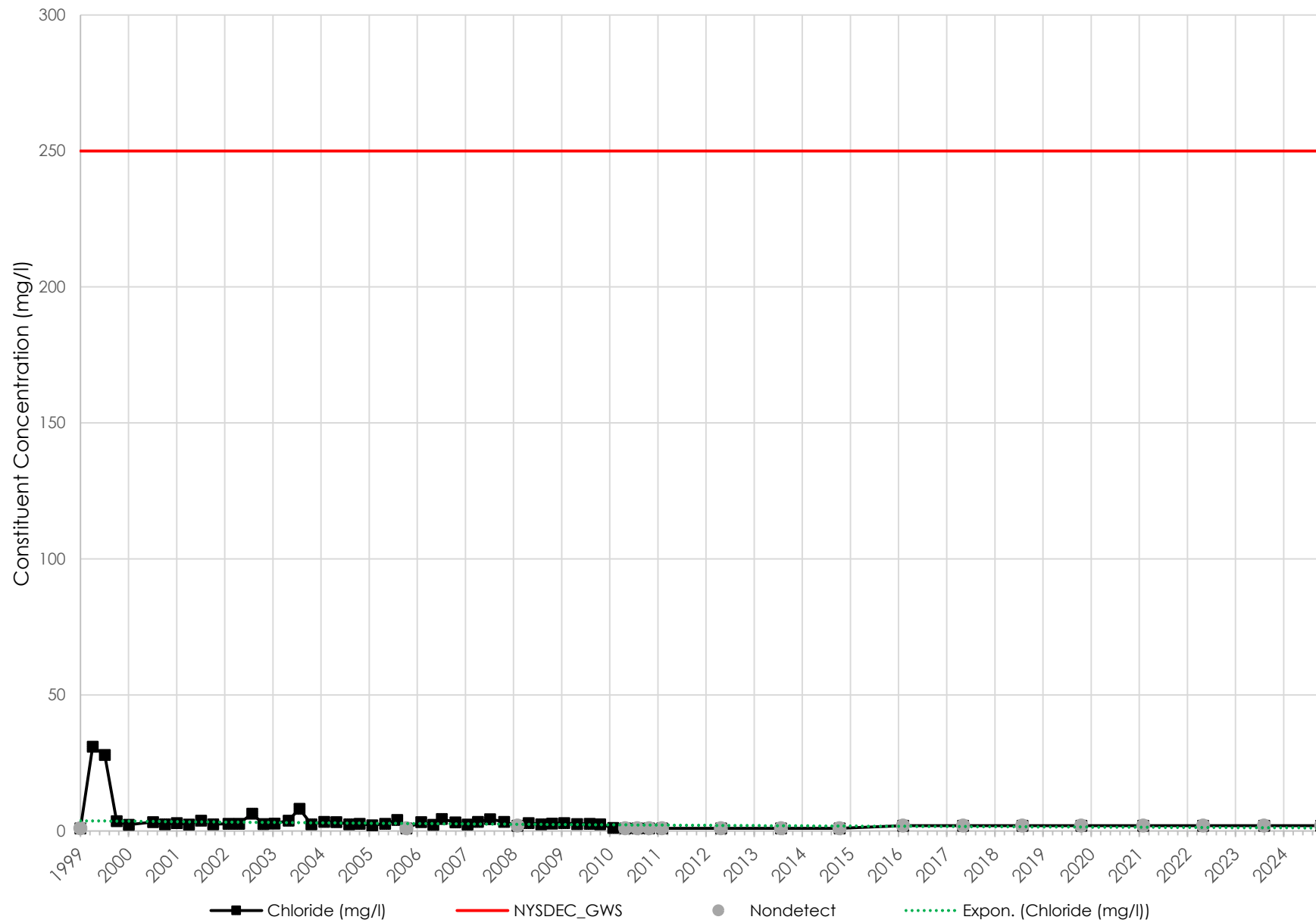
Time-Series MW-1S, Biochemical Oxygen Demand (BOD) (mg/l)



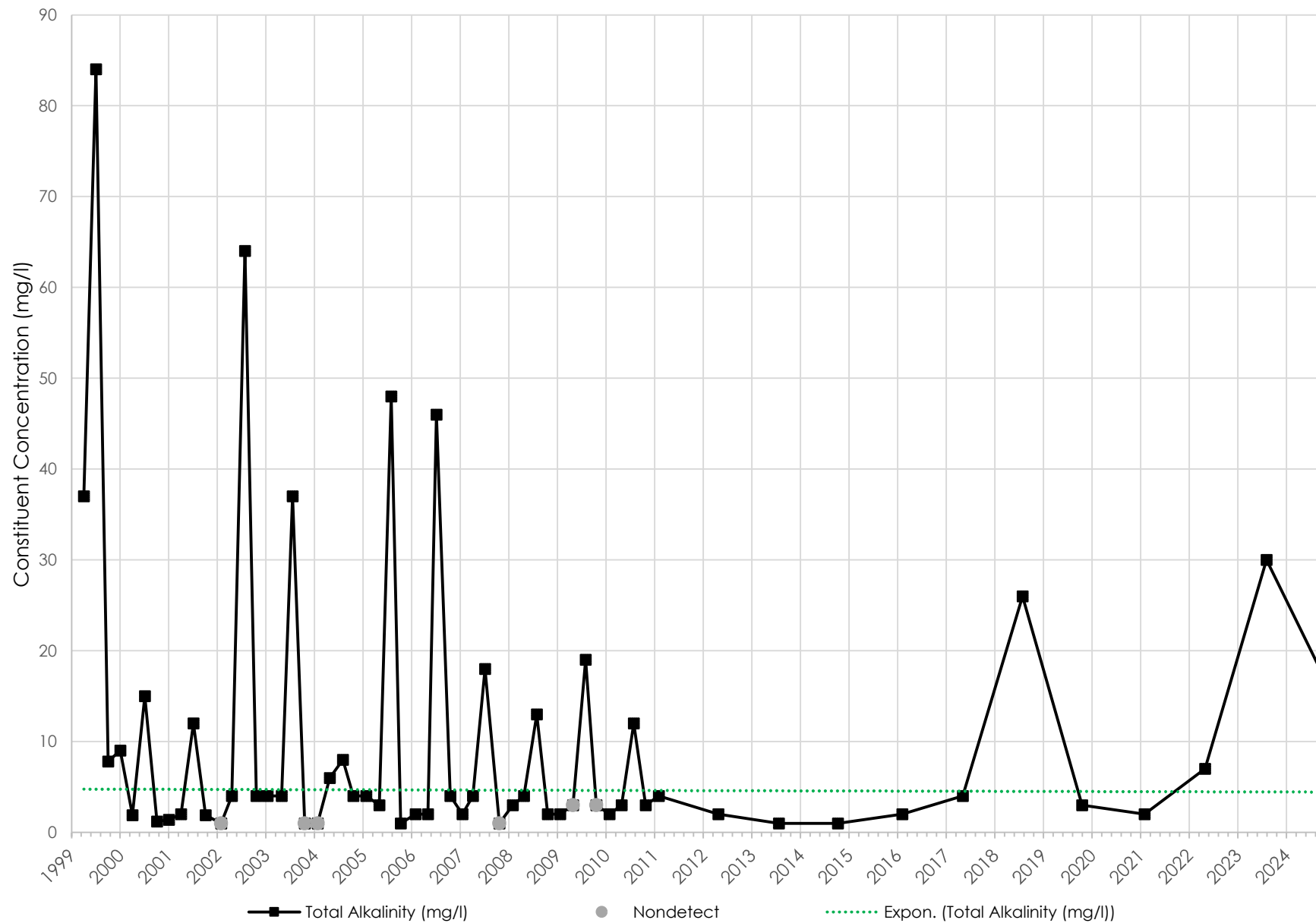
Time-Series MW-1S, Chemical Oxygen Demand (COD) (mg/l)



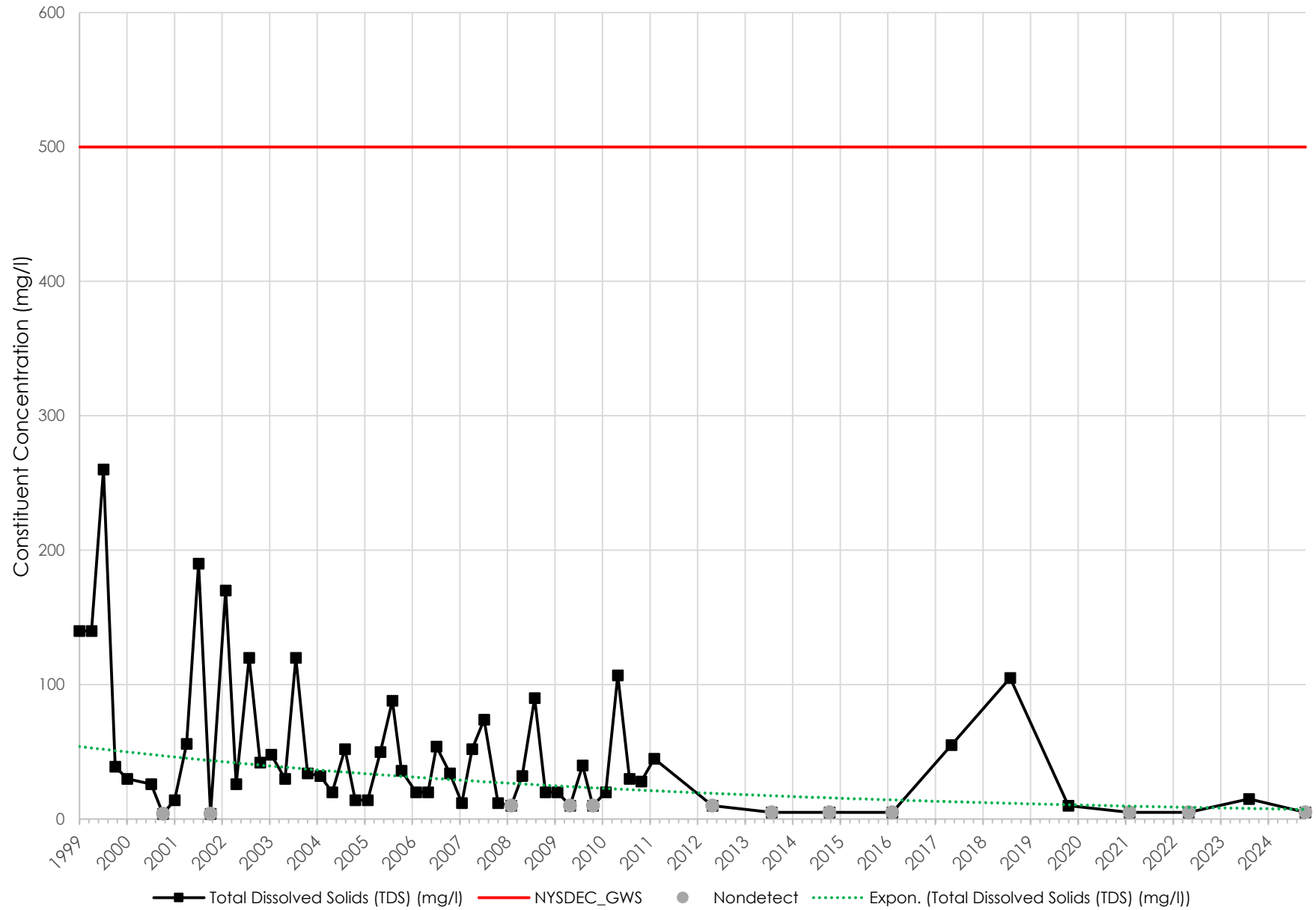
Time-Series MW-1S, Chloride (mg/l)



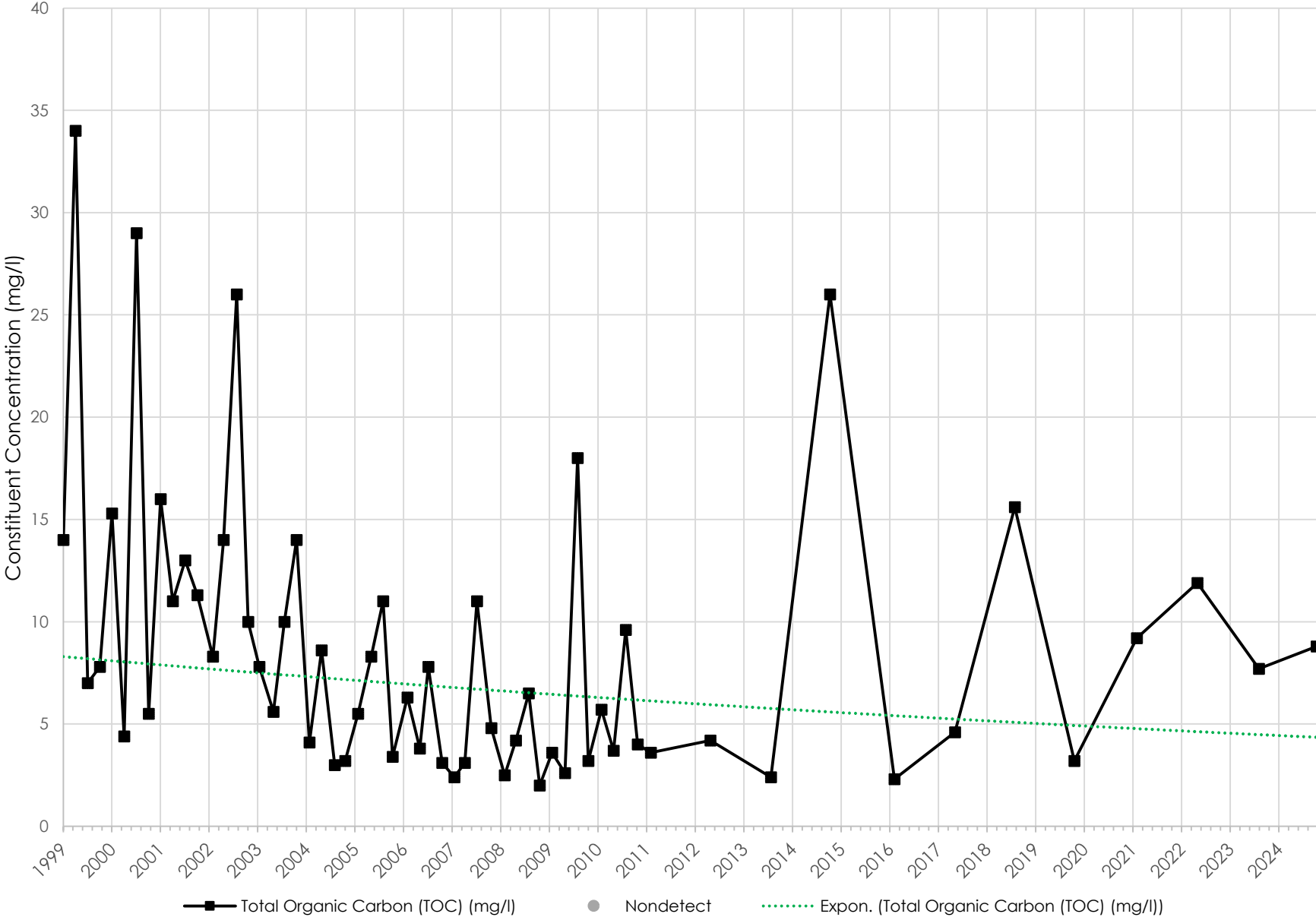
Time-Series MW-1S, Total Alkalinity (mg/l)



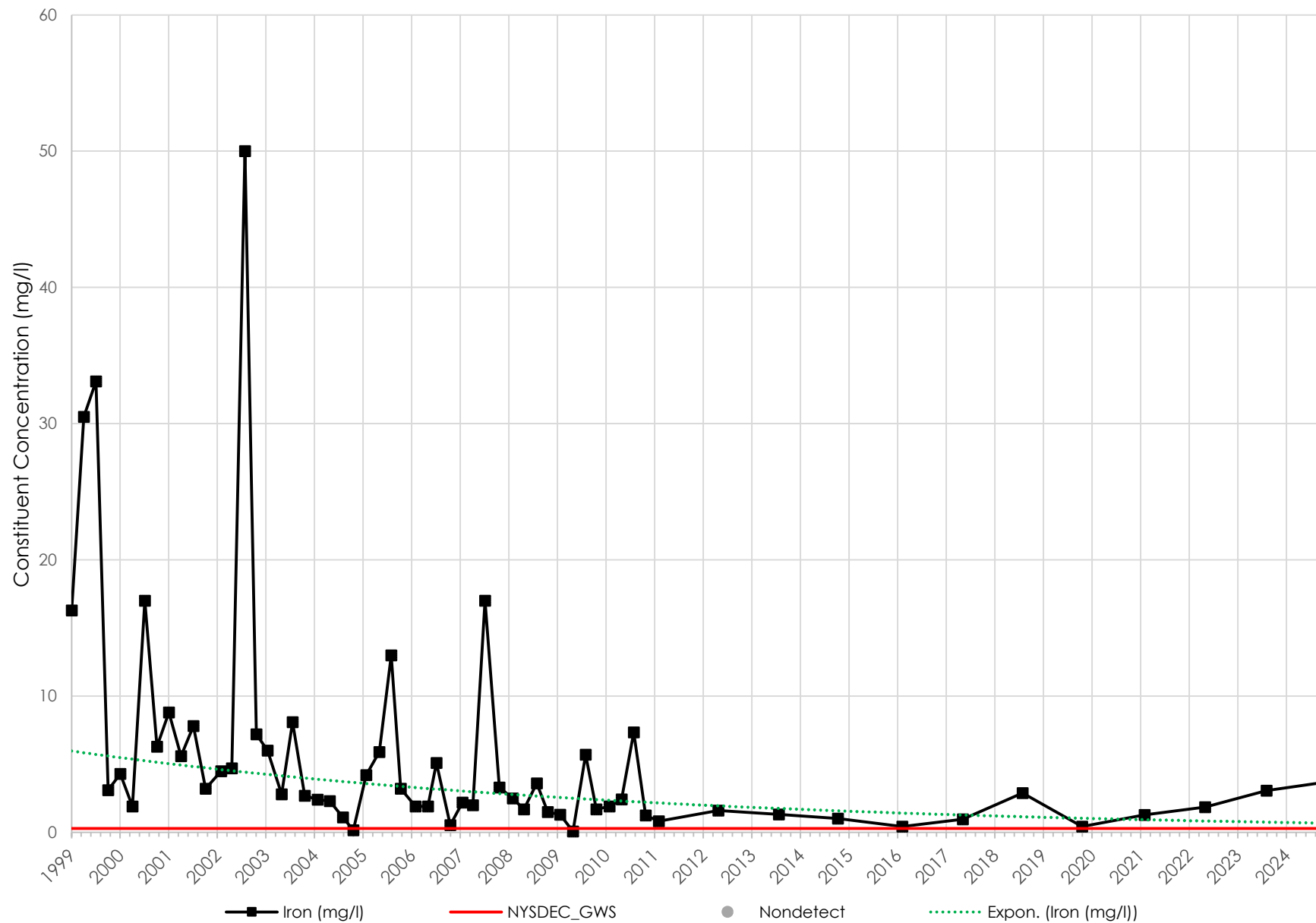
Time-Series MW-1S, Total Dissolved Solids (TDS) (mg/l)



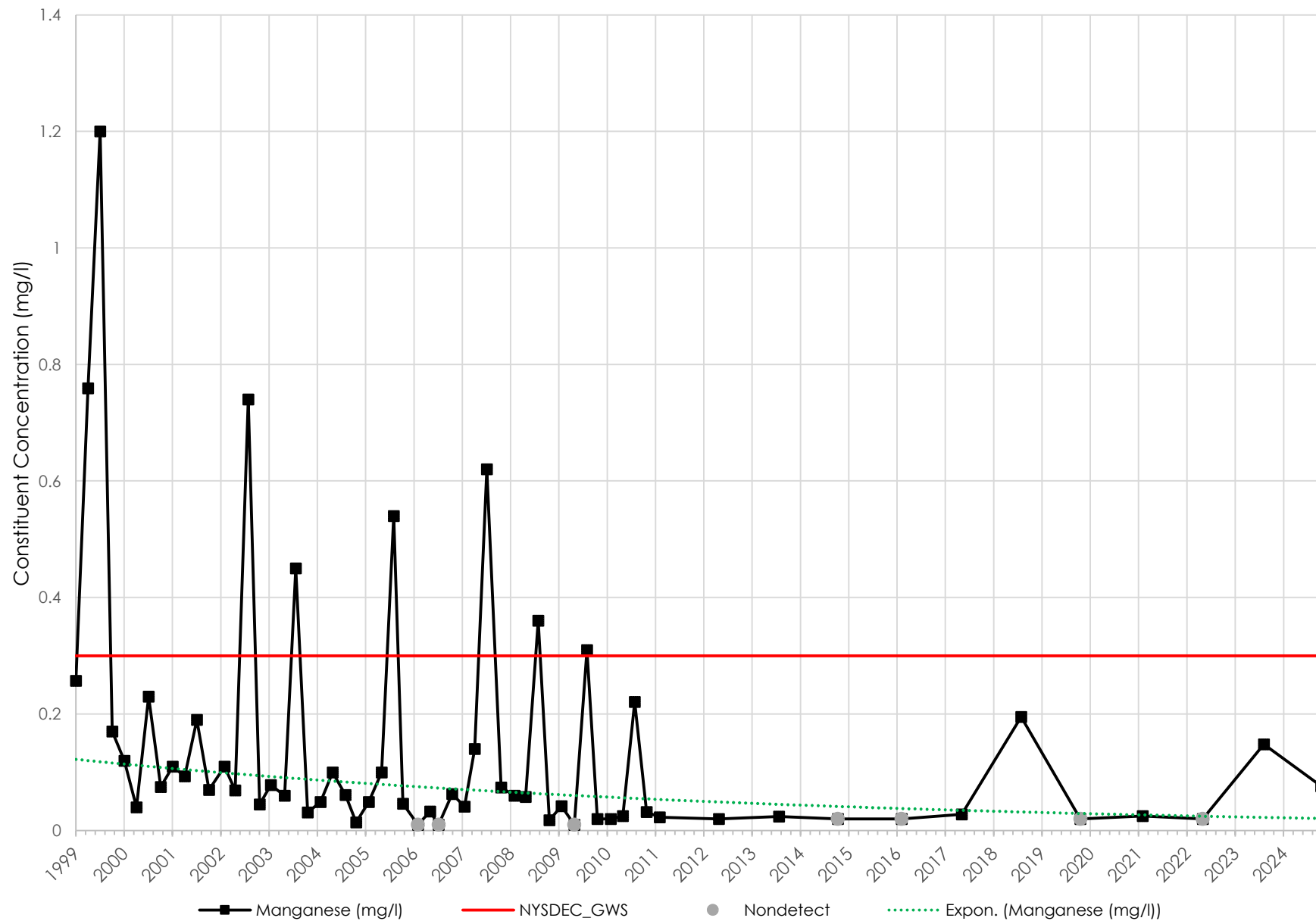
Time-Series MW-1S, Total Organic Carbon (TOC) (mg/l)



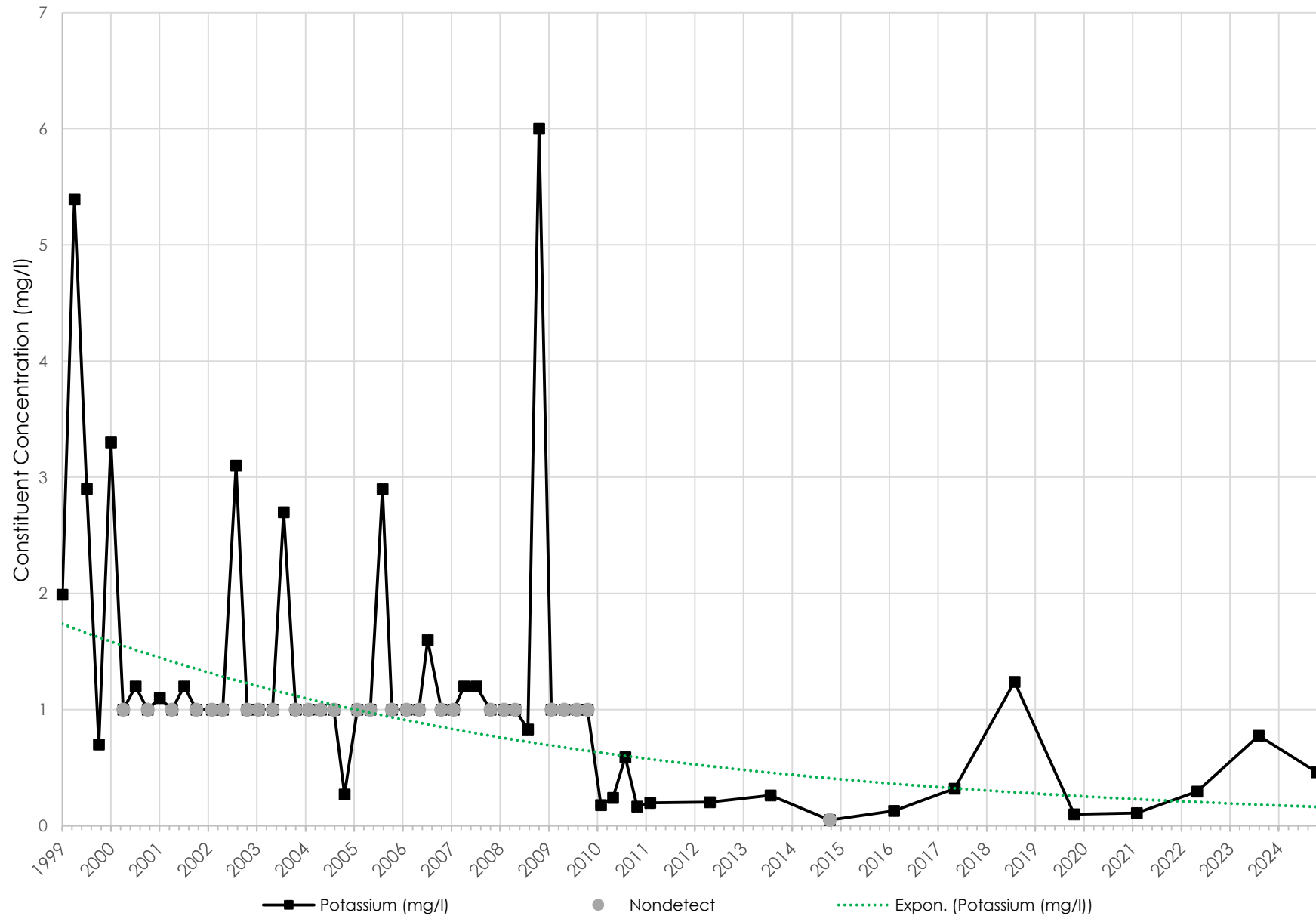
Time-Series MW-1S, Iron (mg/l)



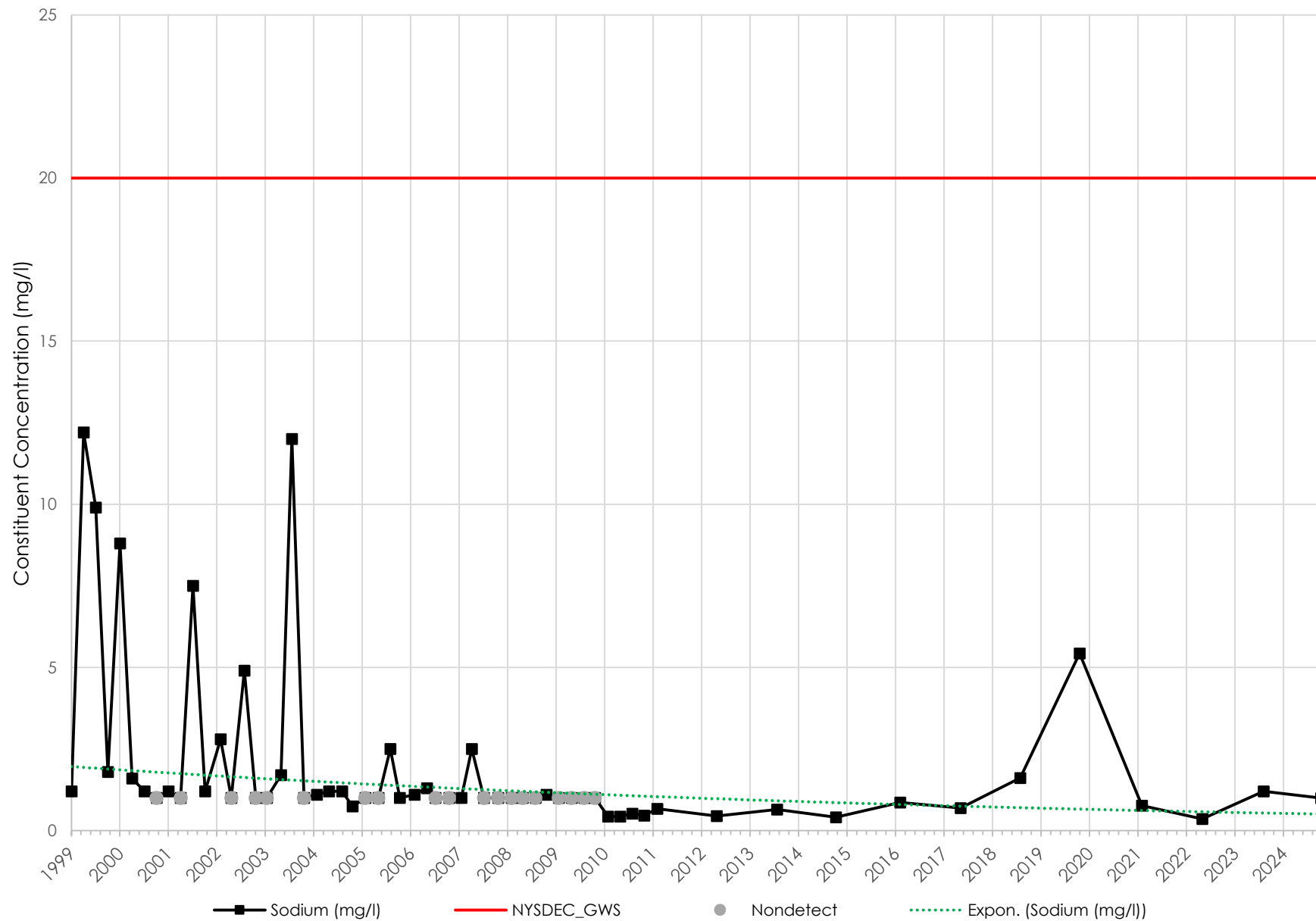
Time-Series MW-1S, Manganese (mg/l)

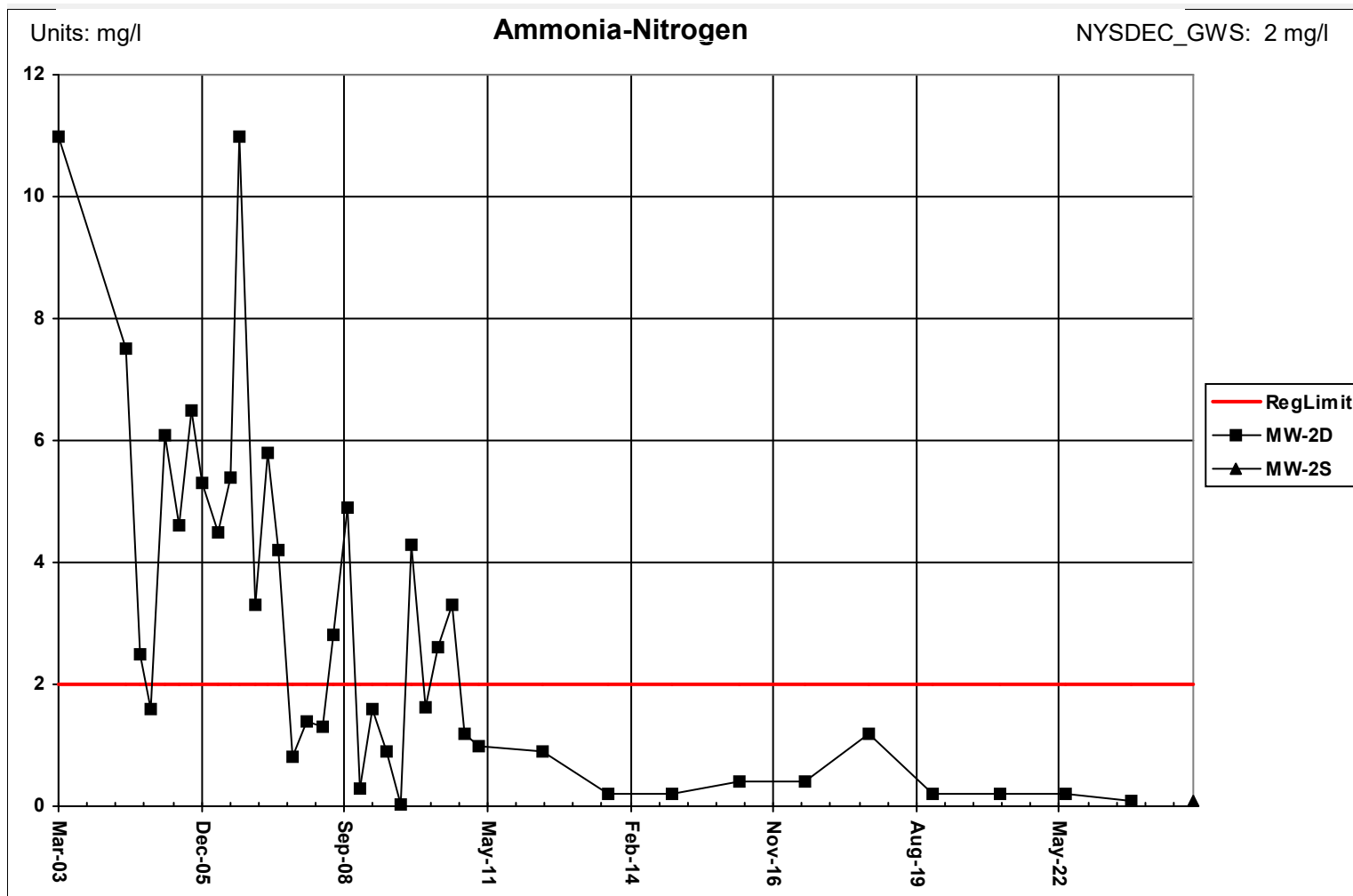


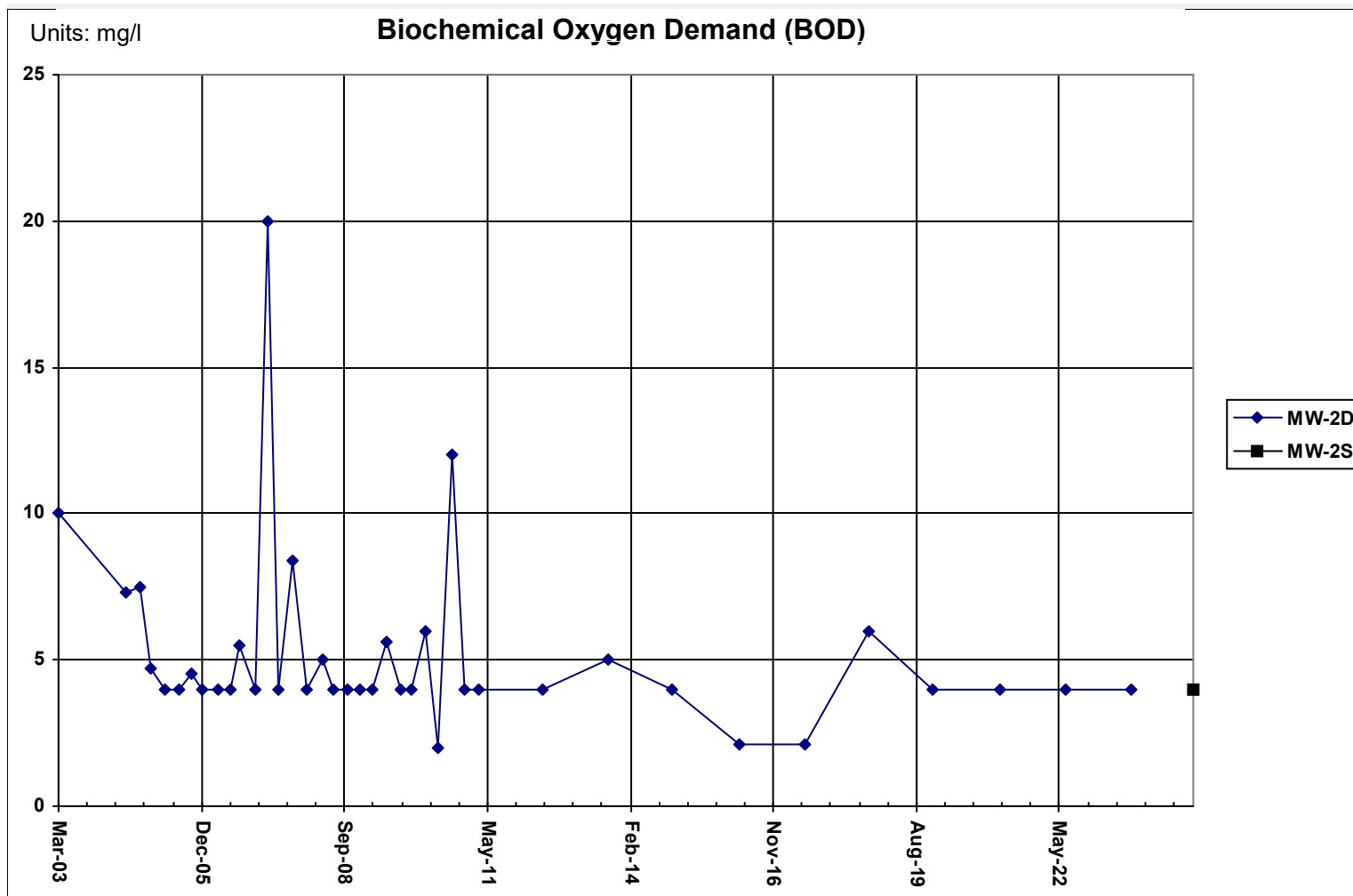
Time-Series MW-1S, Potassium (mg/l)

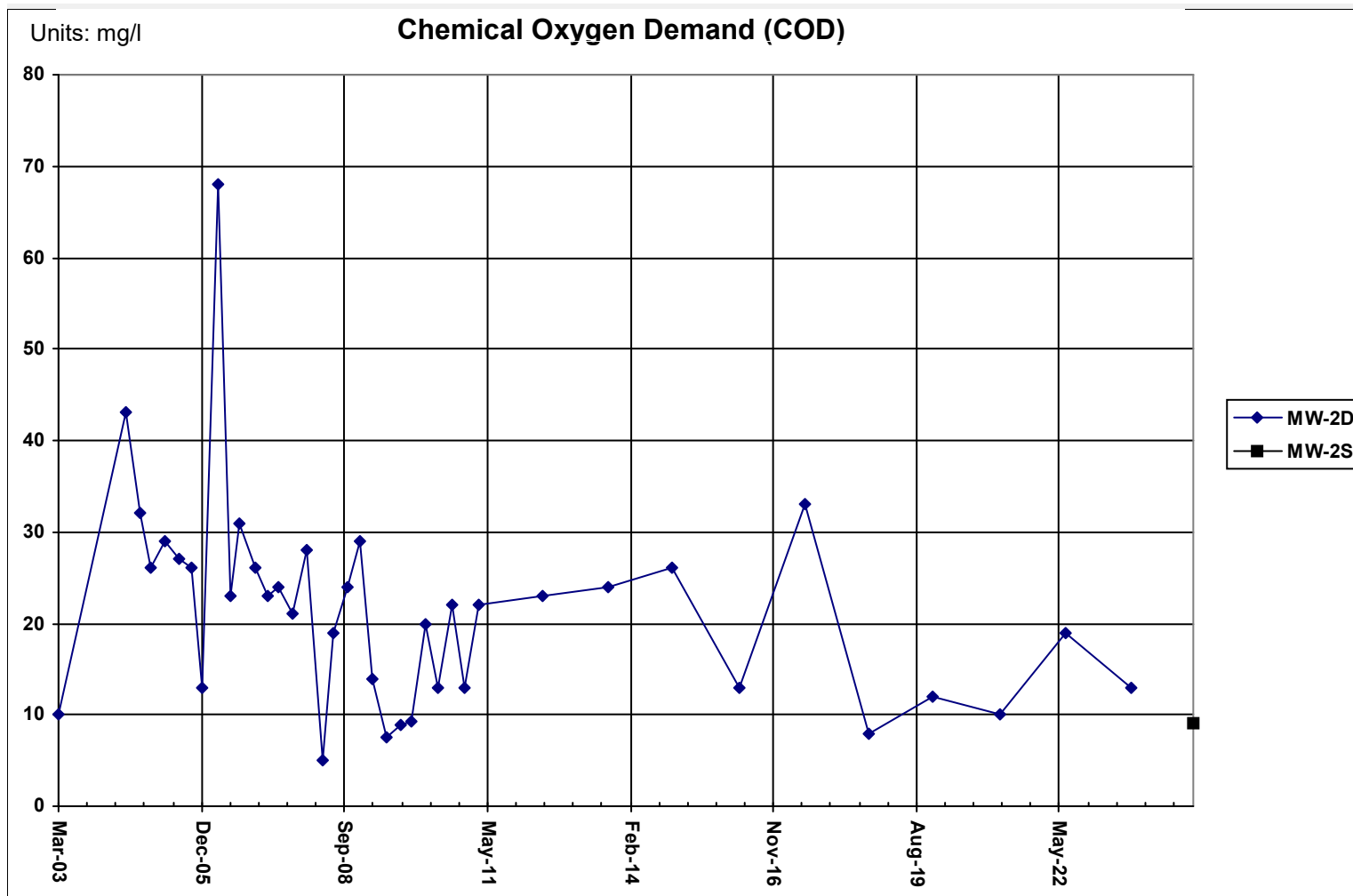


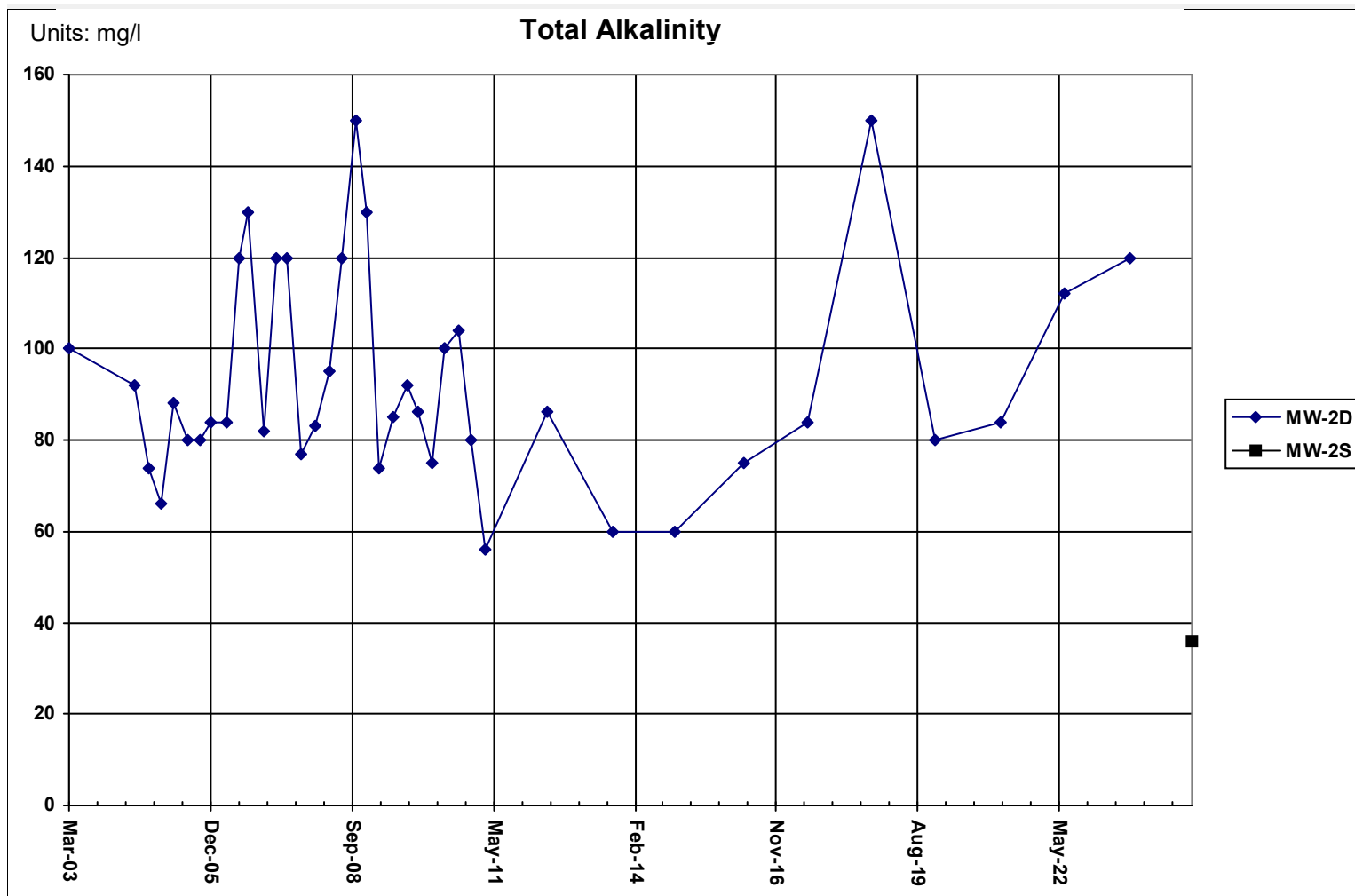
Time-Series MW-1S, Sodium (mg/l)

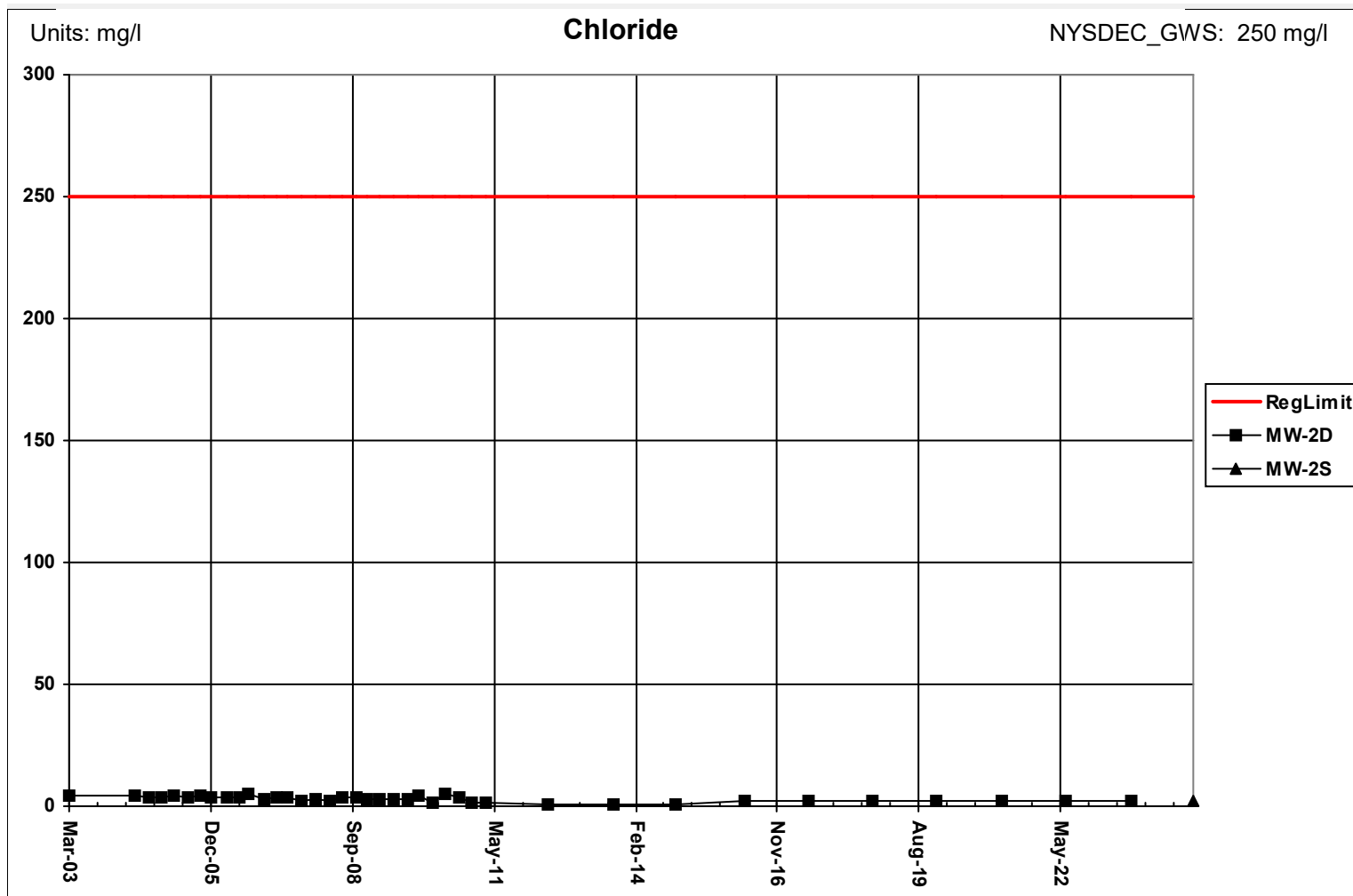


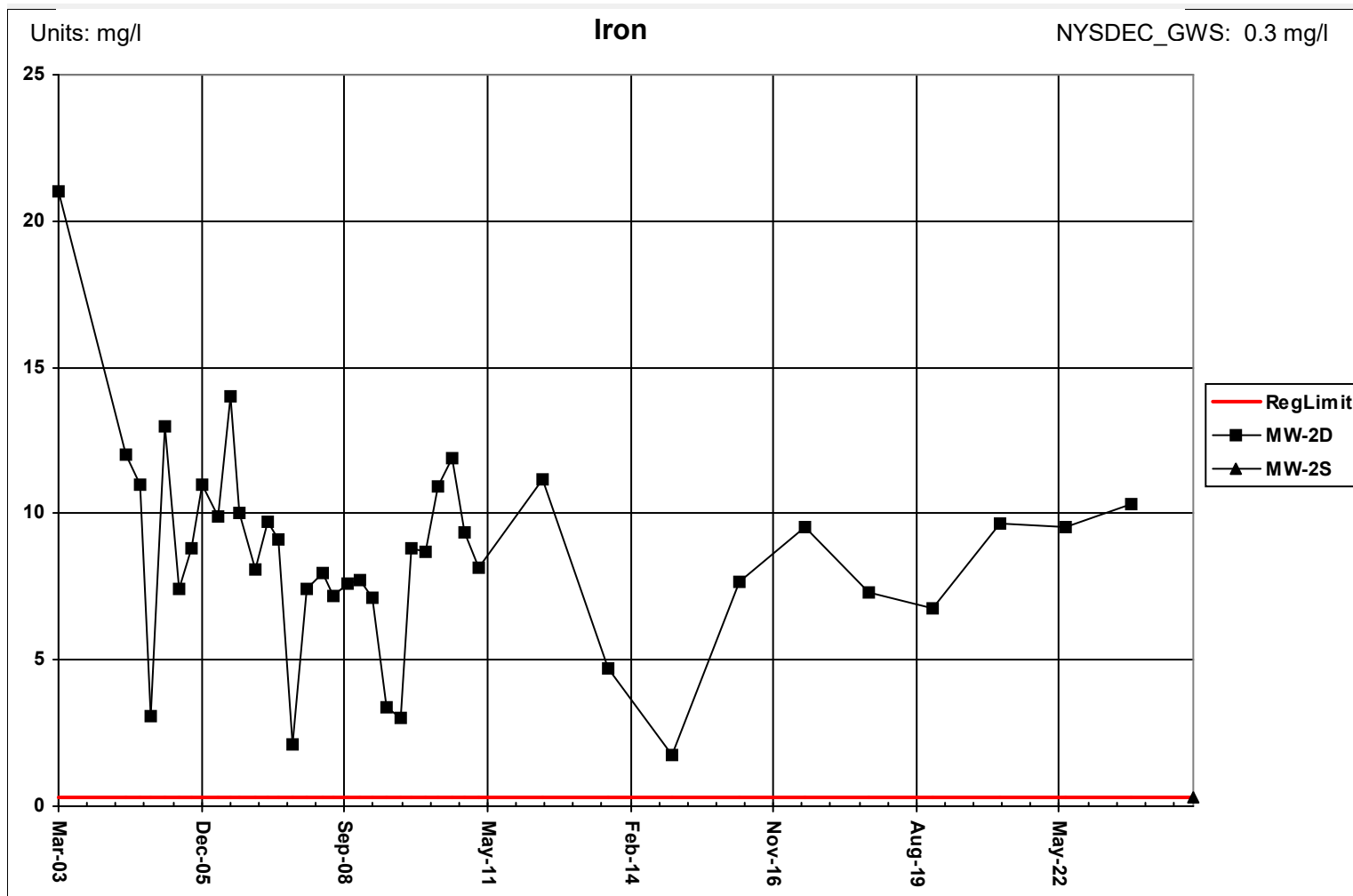


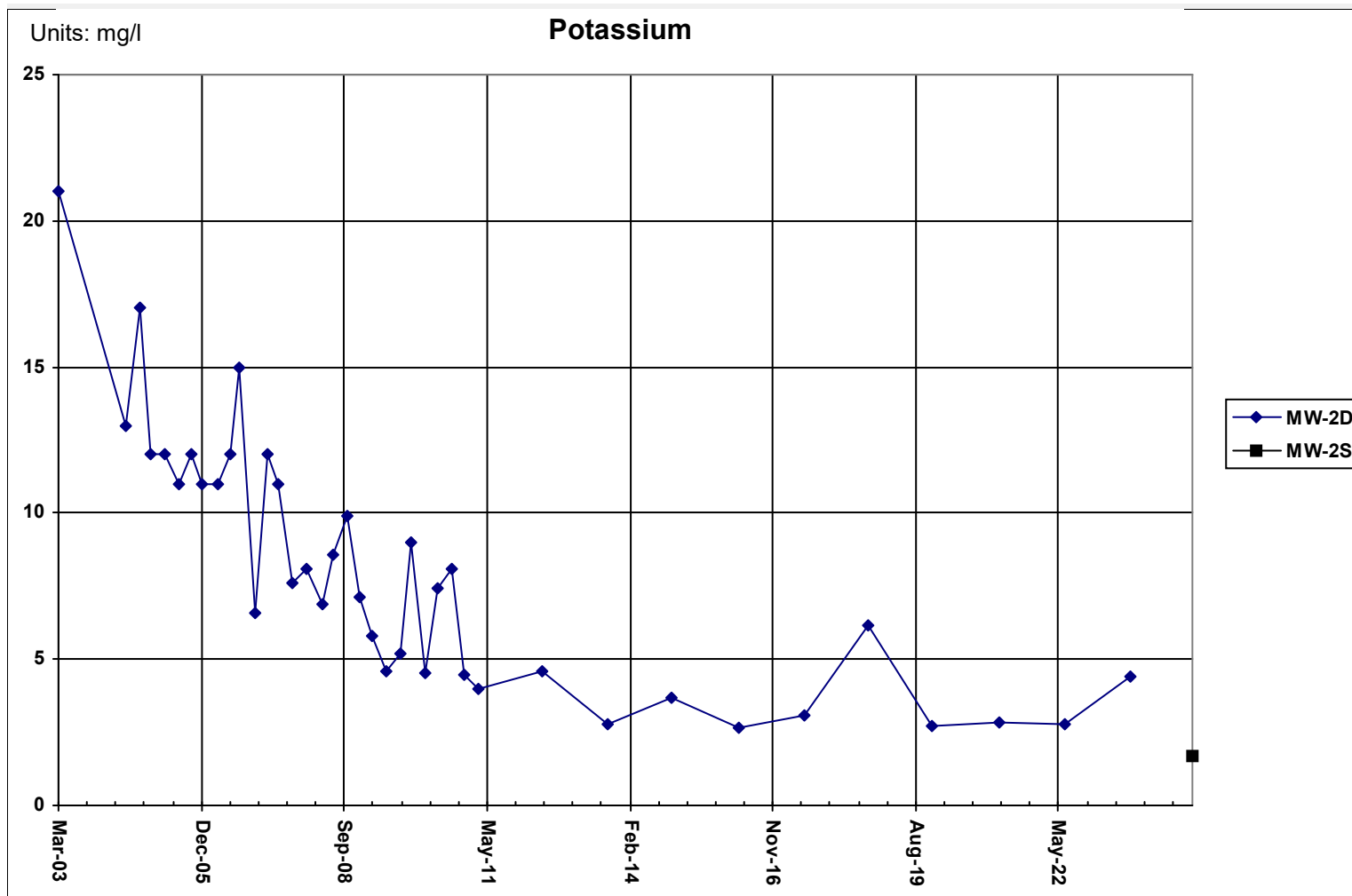


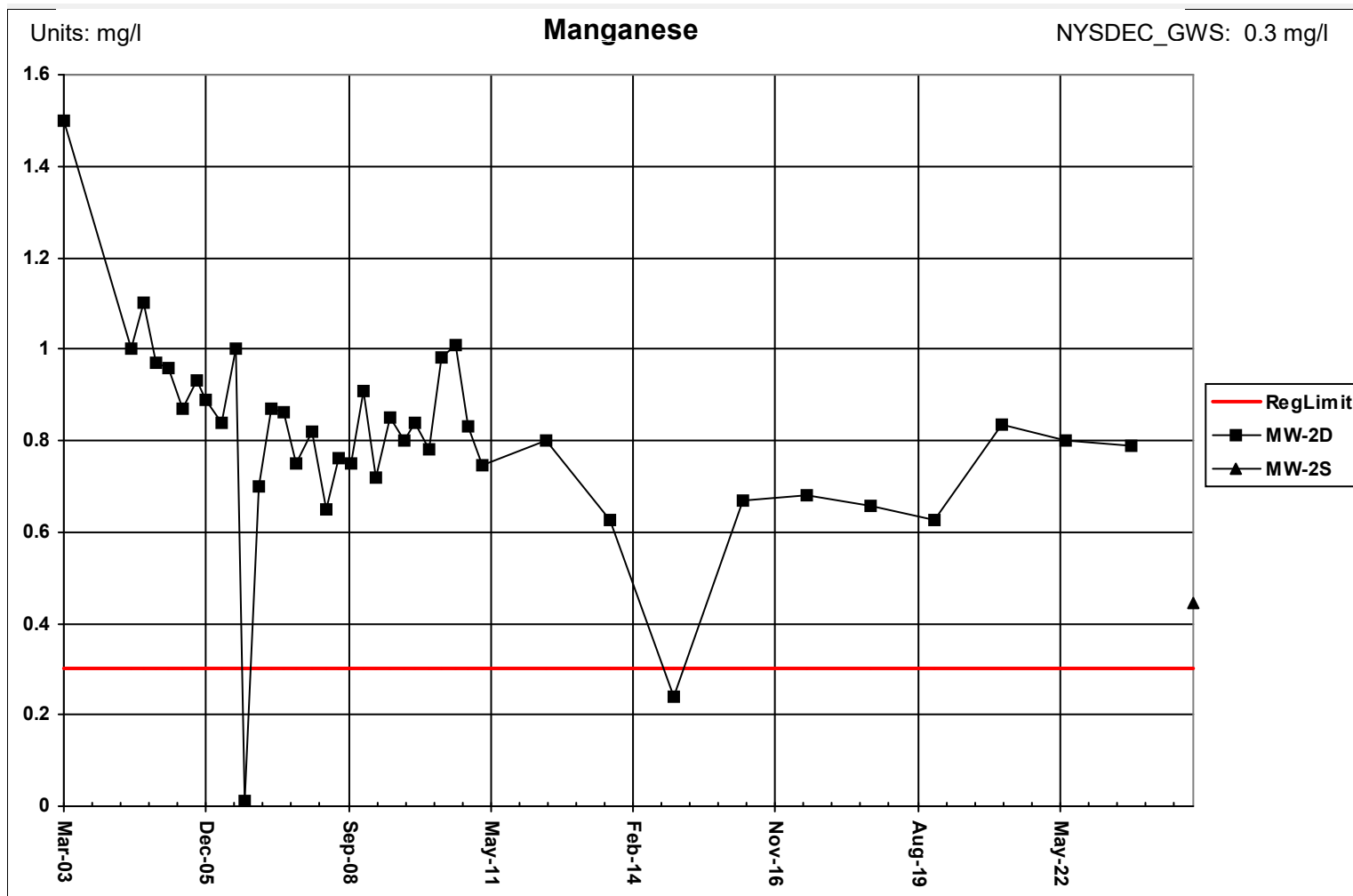


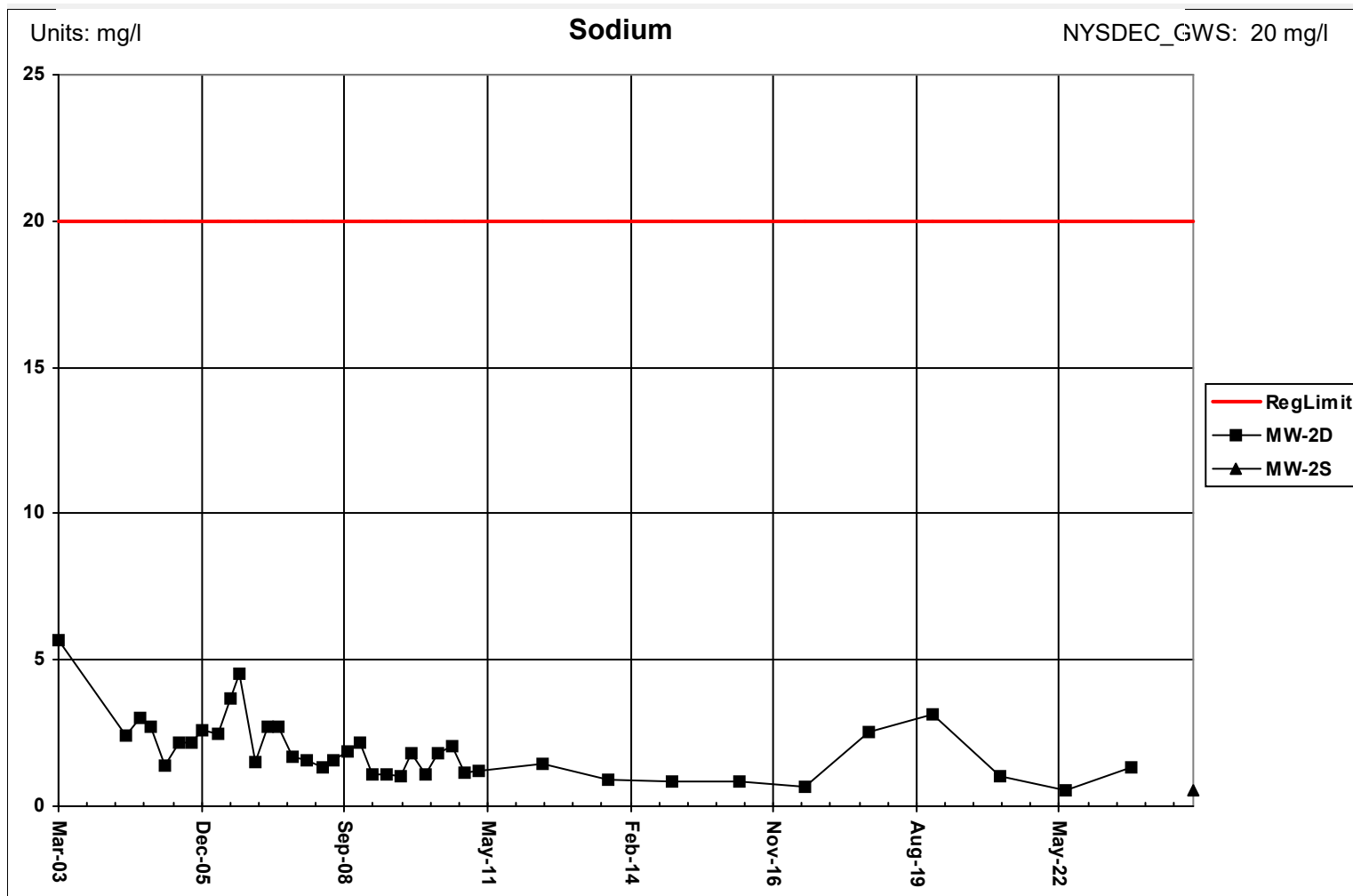


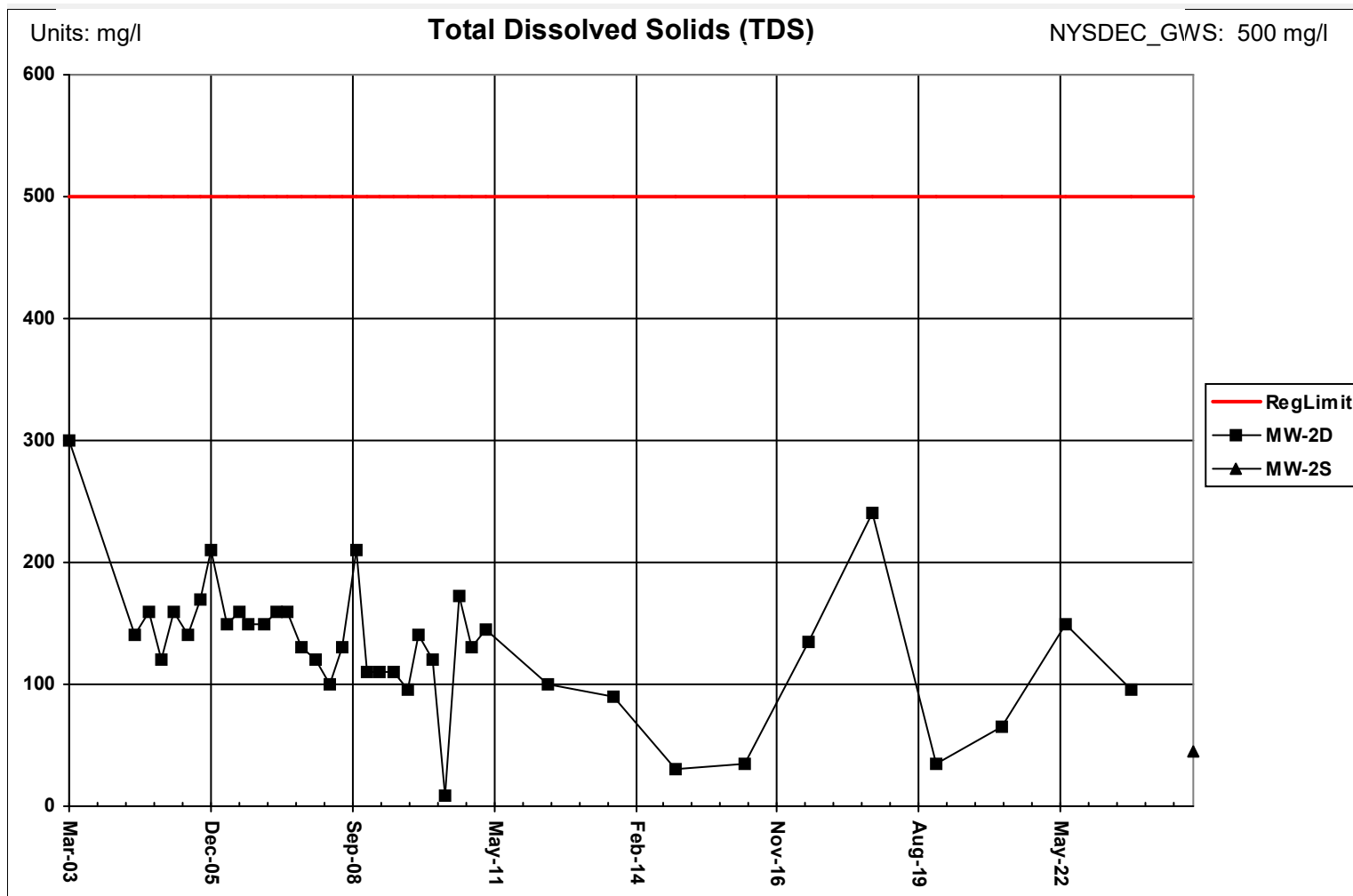


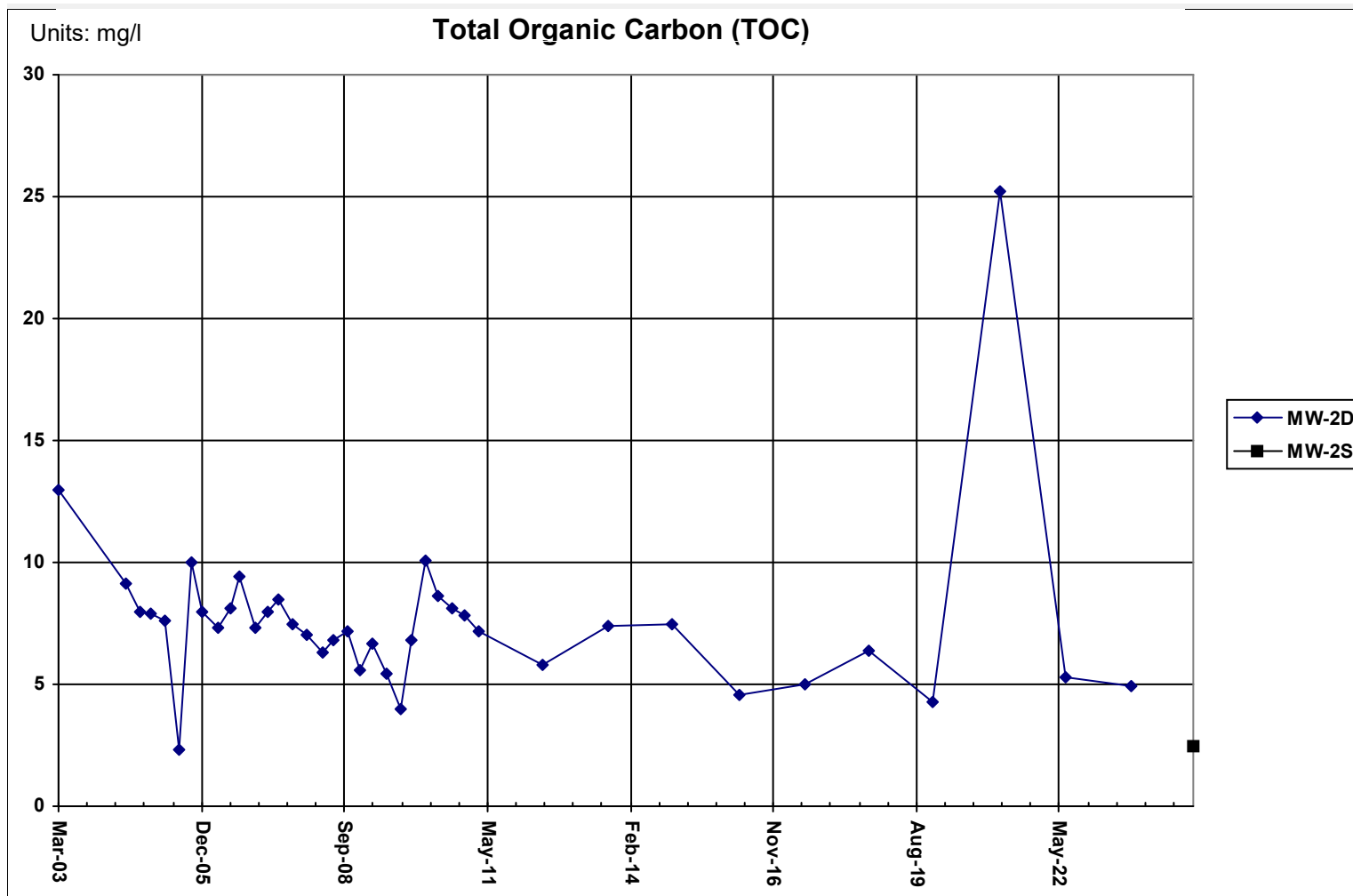




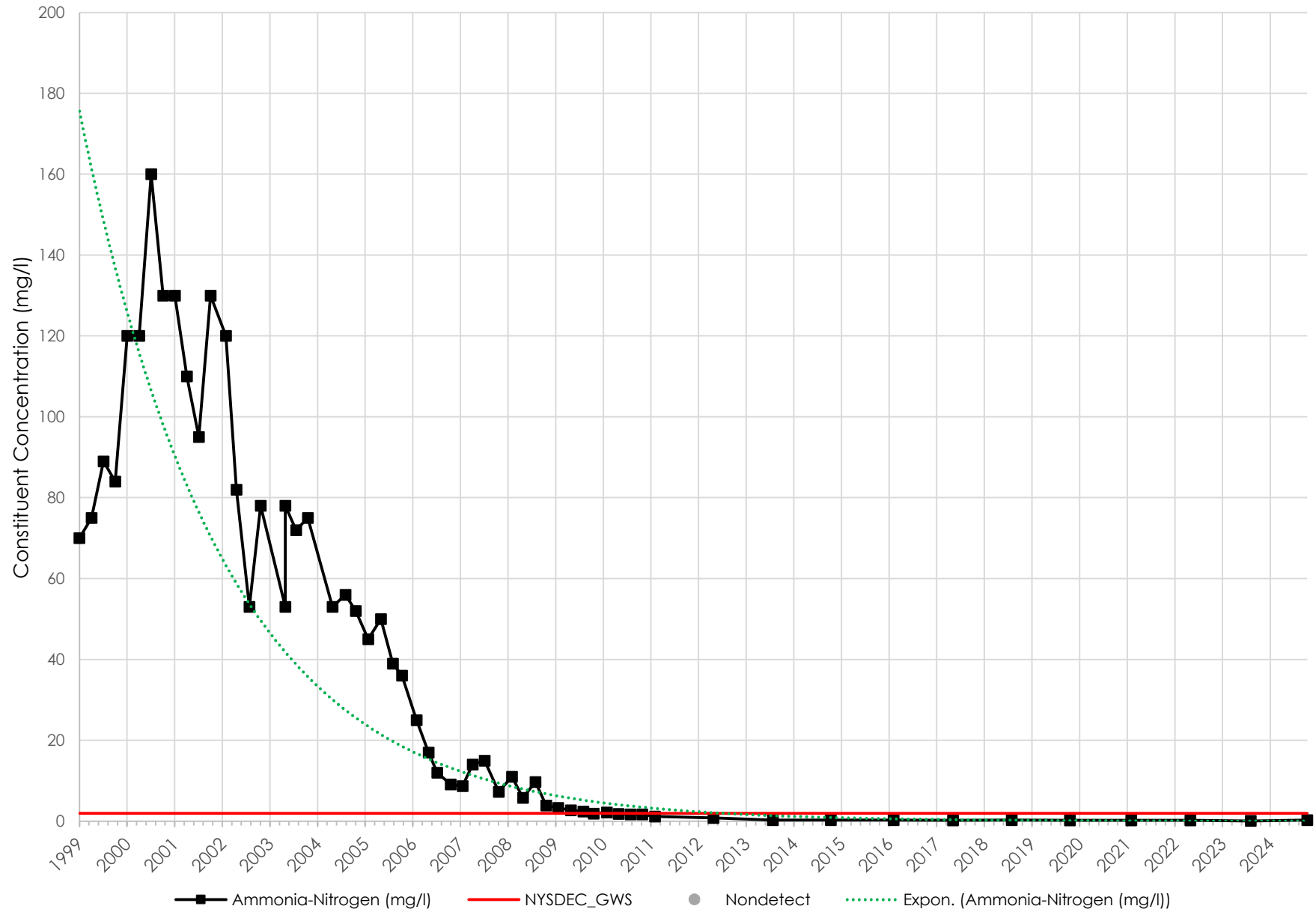




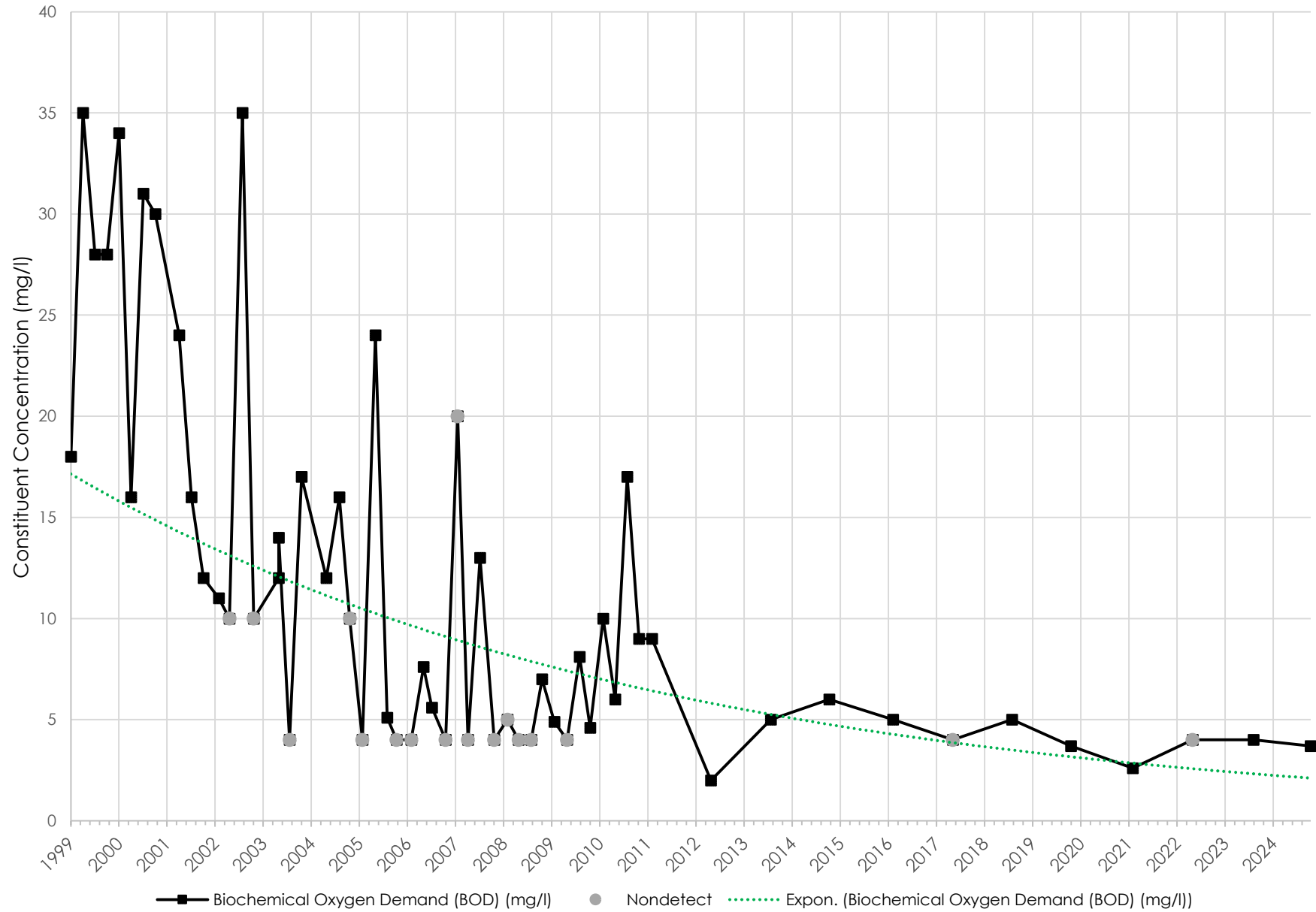




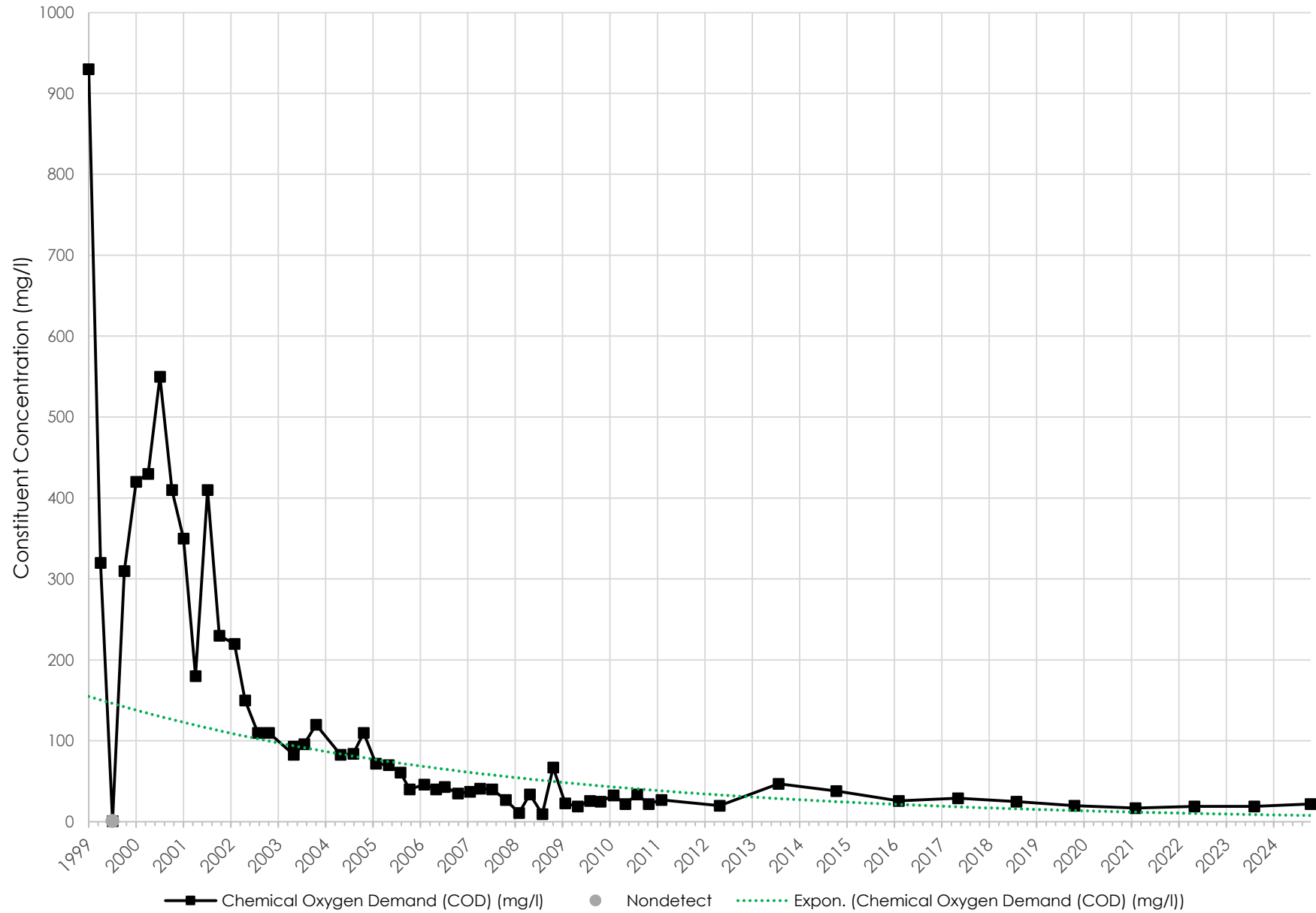
Time-Series MW-3S, Ammonia-Nitrogen (mg/l)



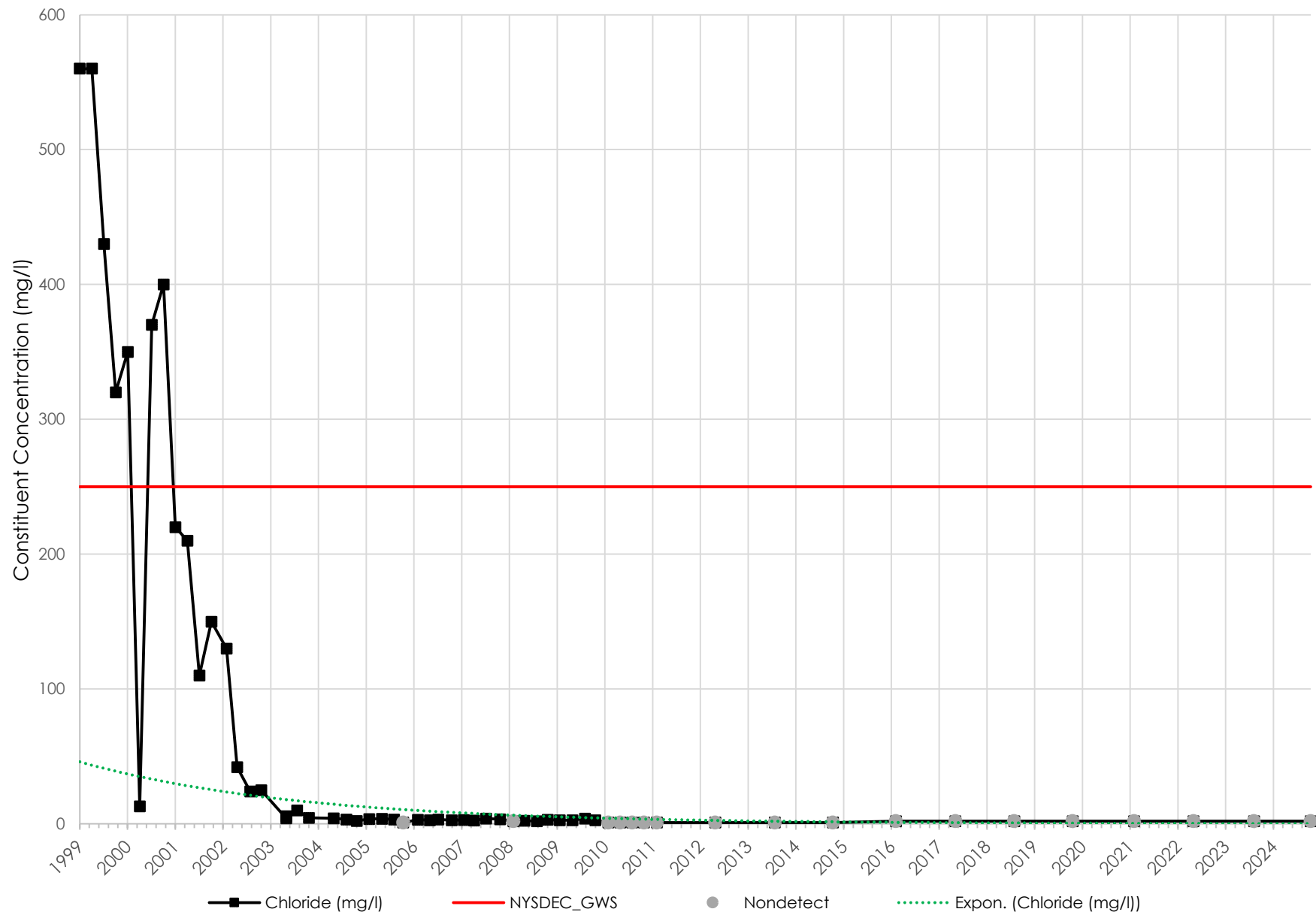
Time-Series MW-3S, Biochemical Oxygen Demand (BOD) (mg/l)



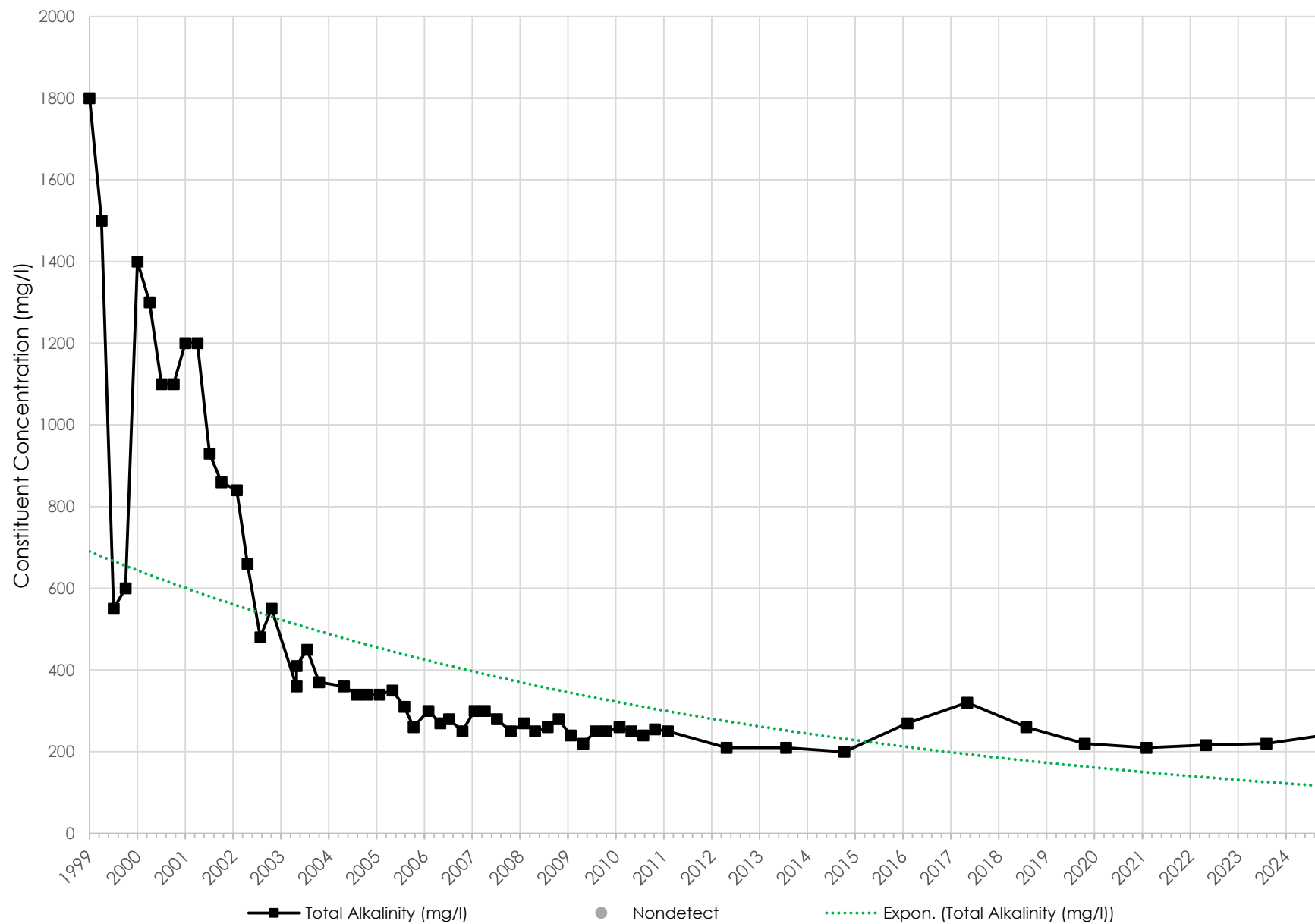
Time-Series MW-3S, Chemical Oxygen Demand (COD) (mg/l)



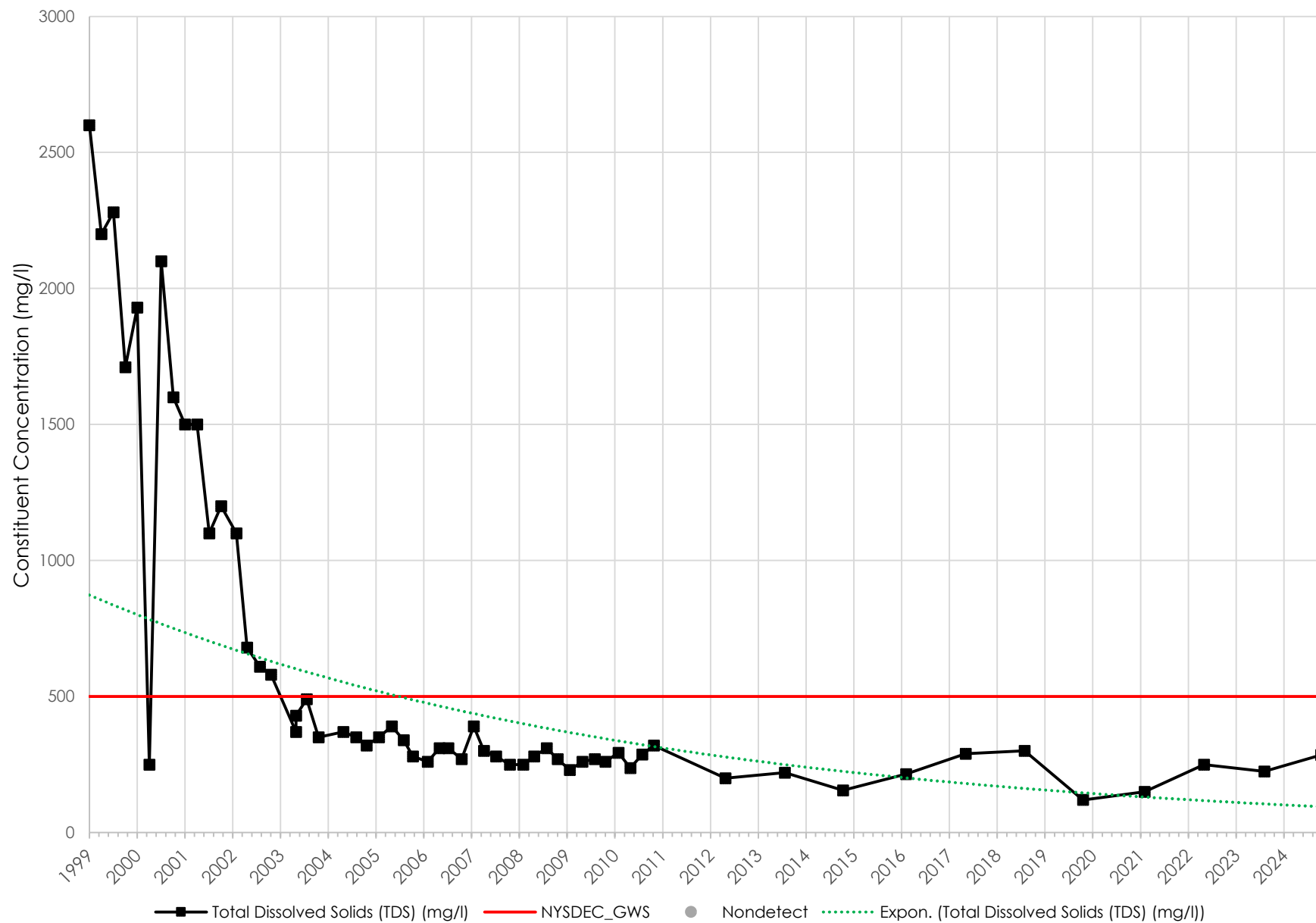
Time-Series MW-3S, Chloride (mg/l)



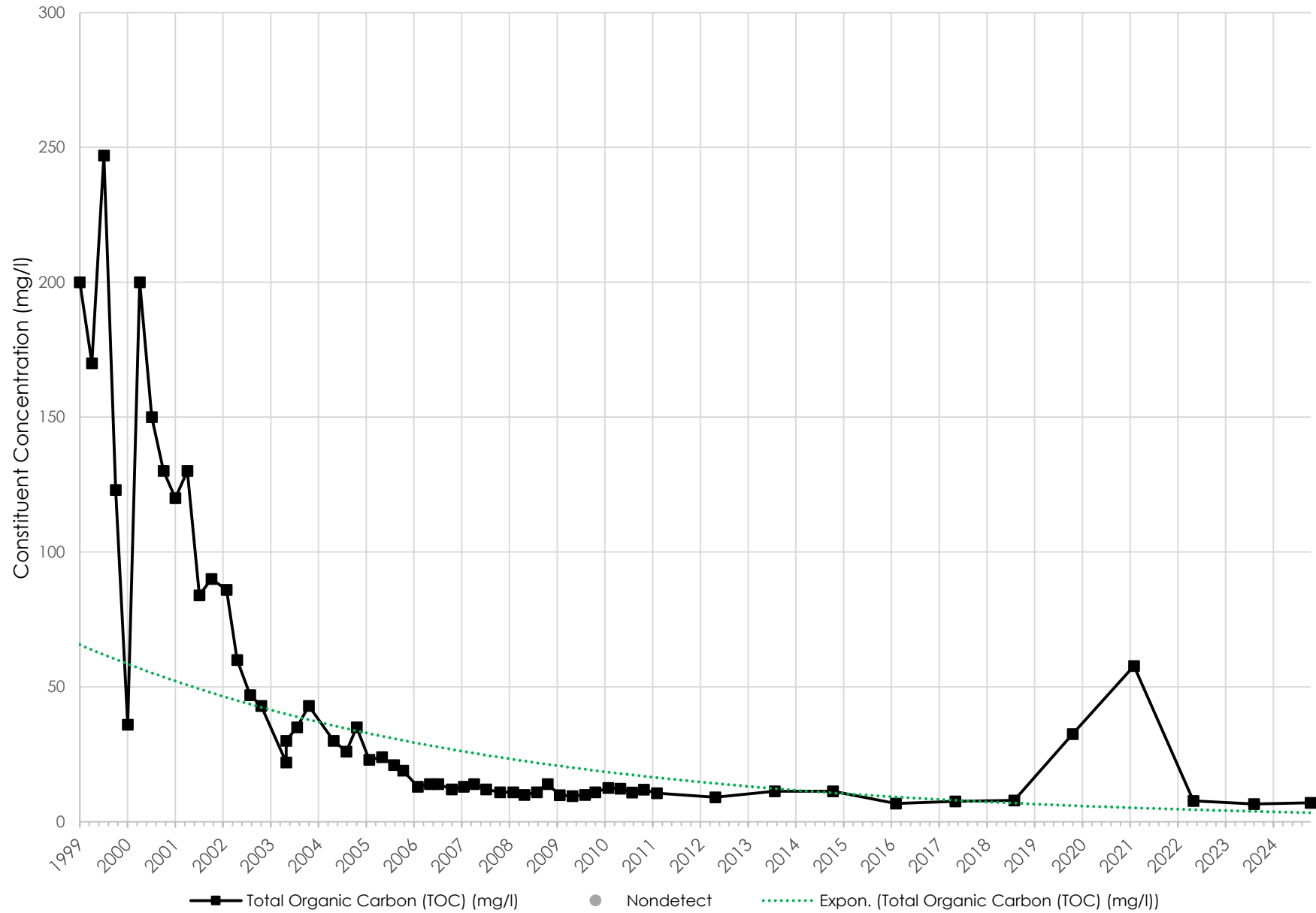
Time-Series MW-3S, Total Alkalinity (mg/l)



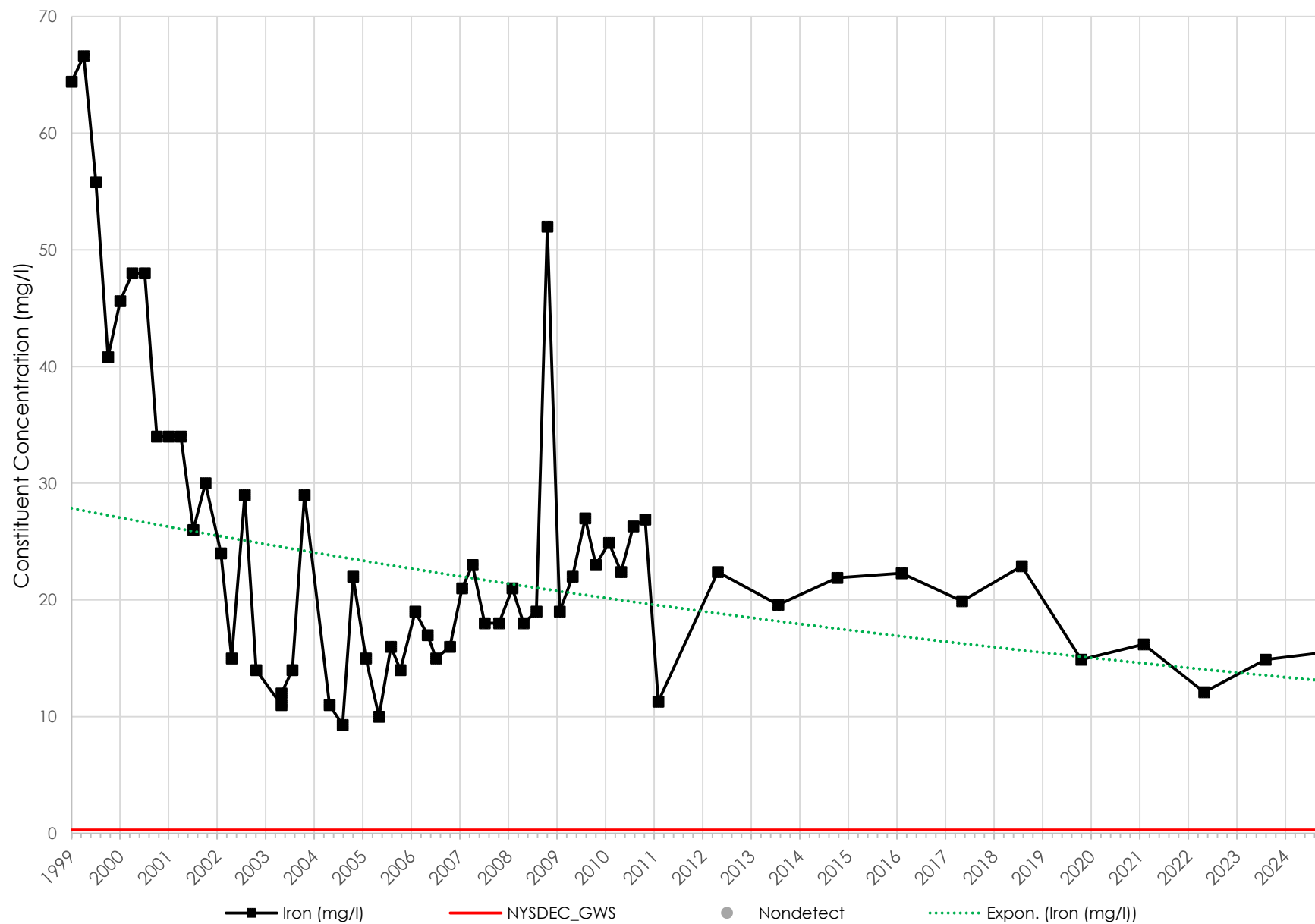
Time-Series MW-3S, Total Dissolved Solids (TDS) (mg/l)



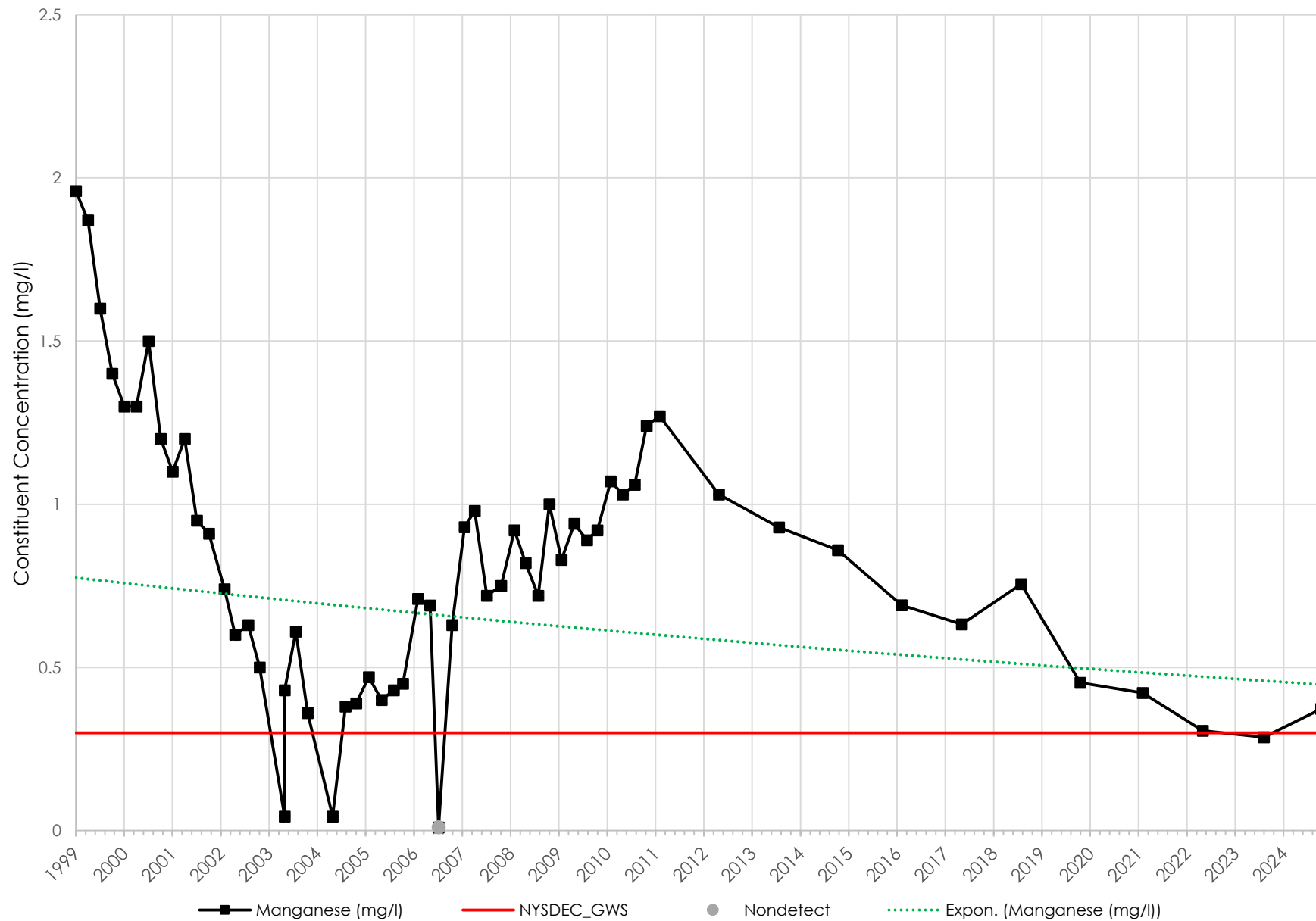
Time-Series MW-3S, Total Organic Carbon (TOC) (mg/l)



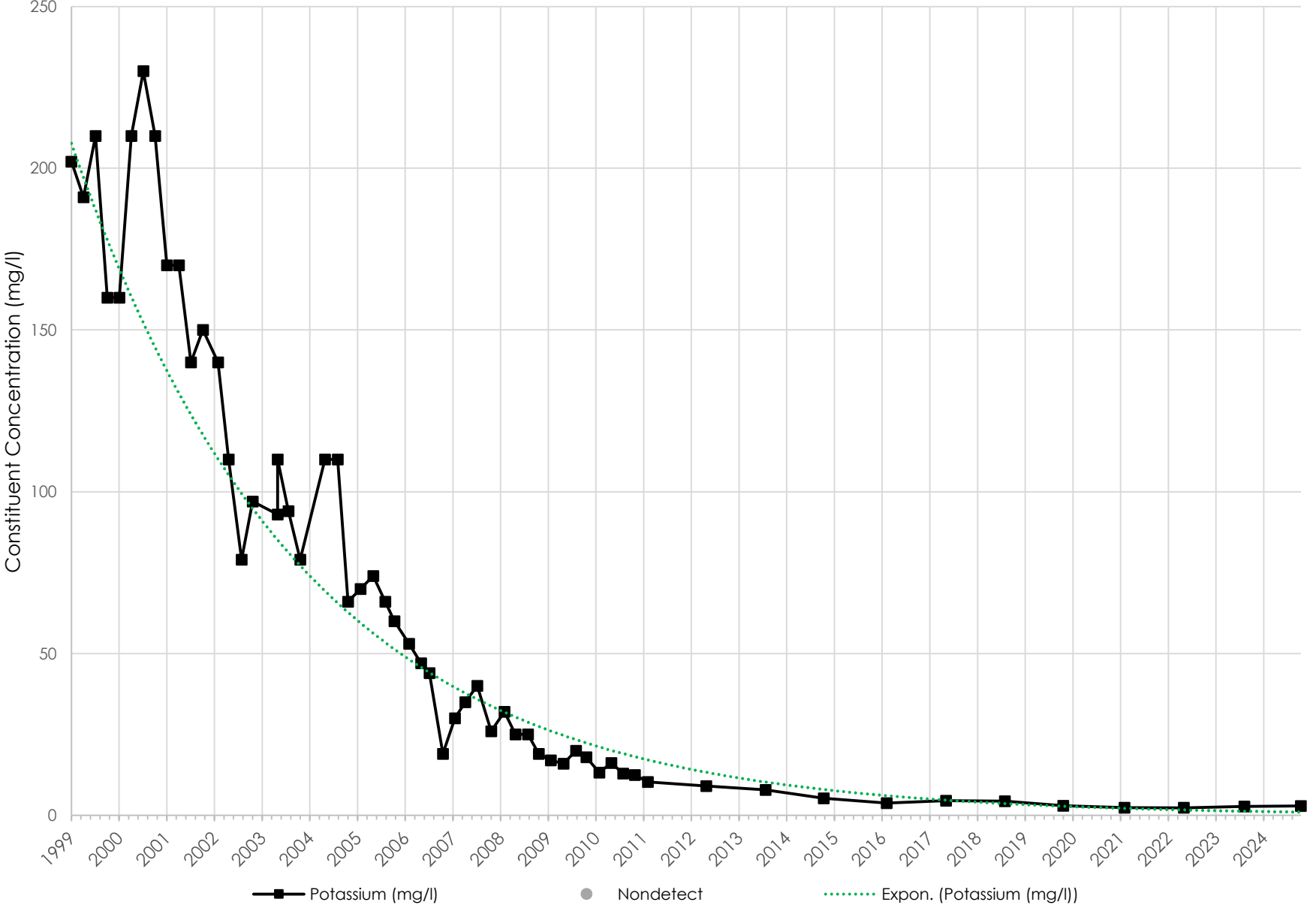
Time-Series MW-3S, Iron (mg/l)



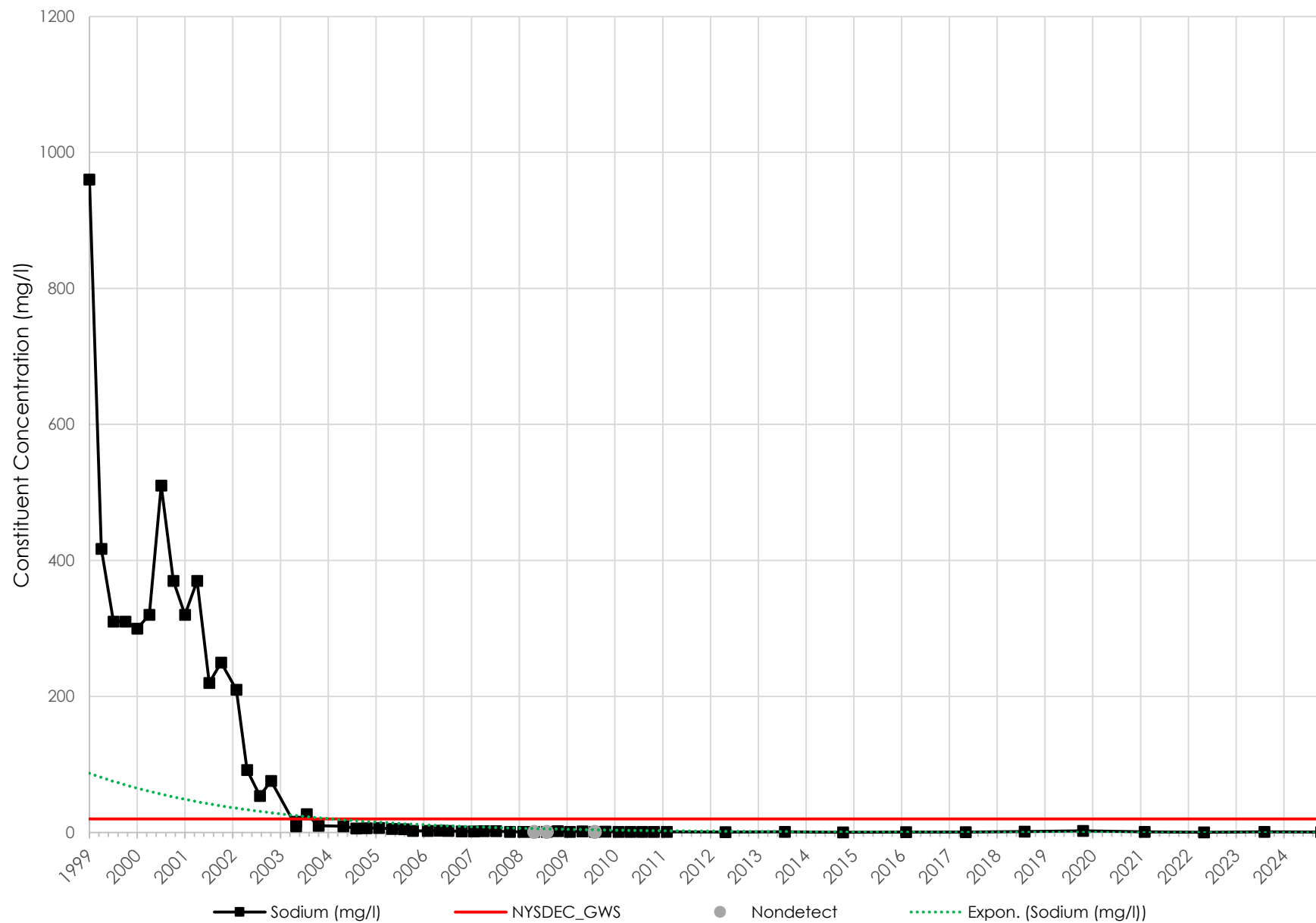
Time-Series MW-3S, Manganese (mg/l)



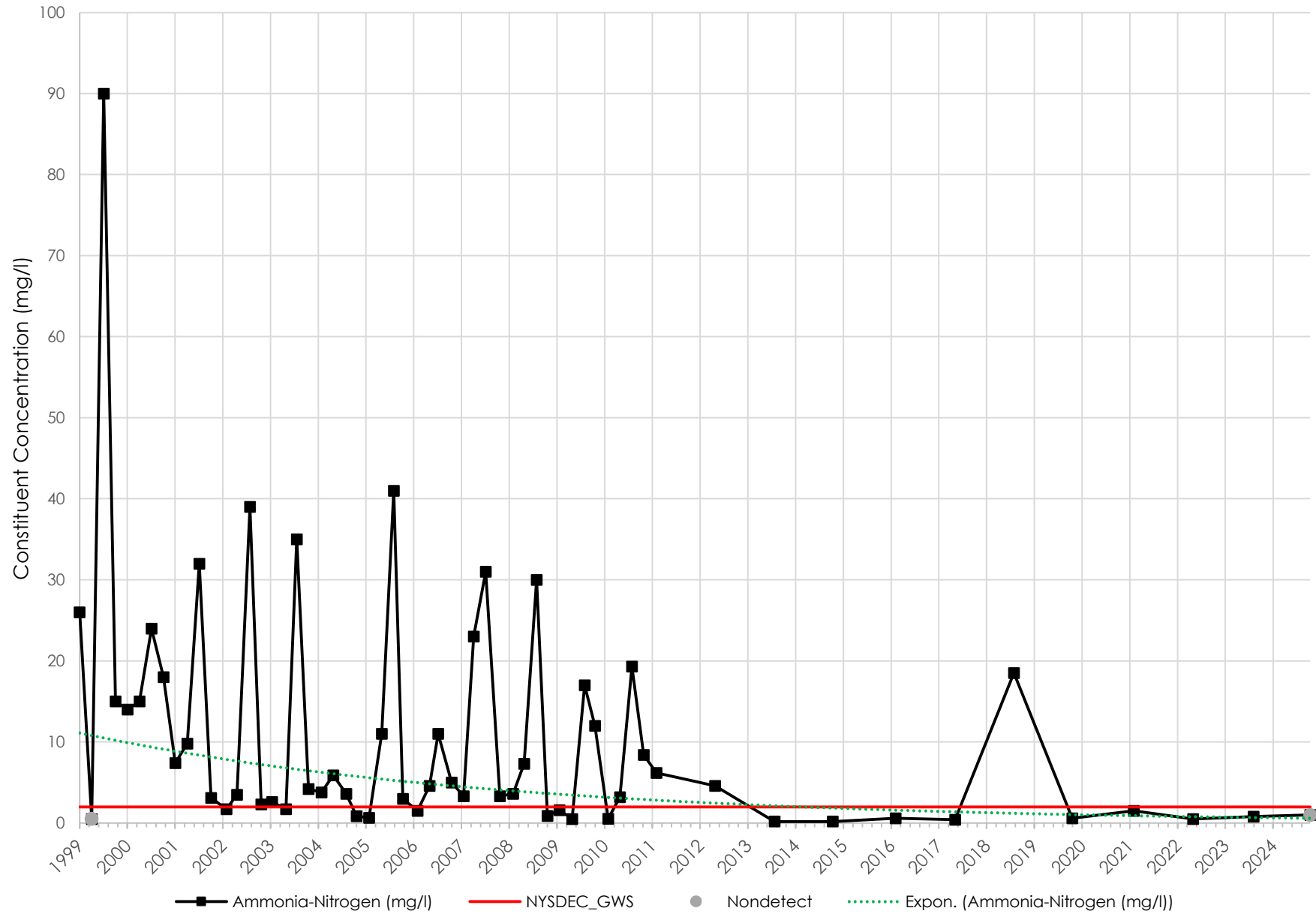
Time-Series MW-3S, Potassium (mg/l)



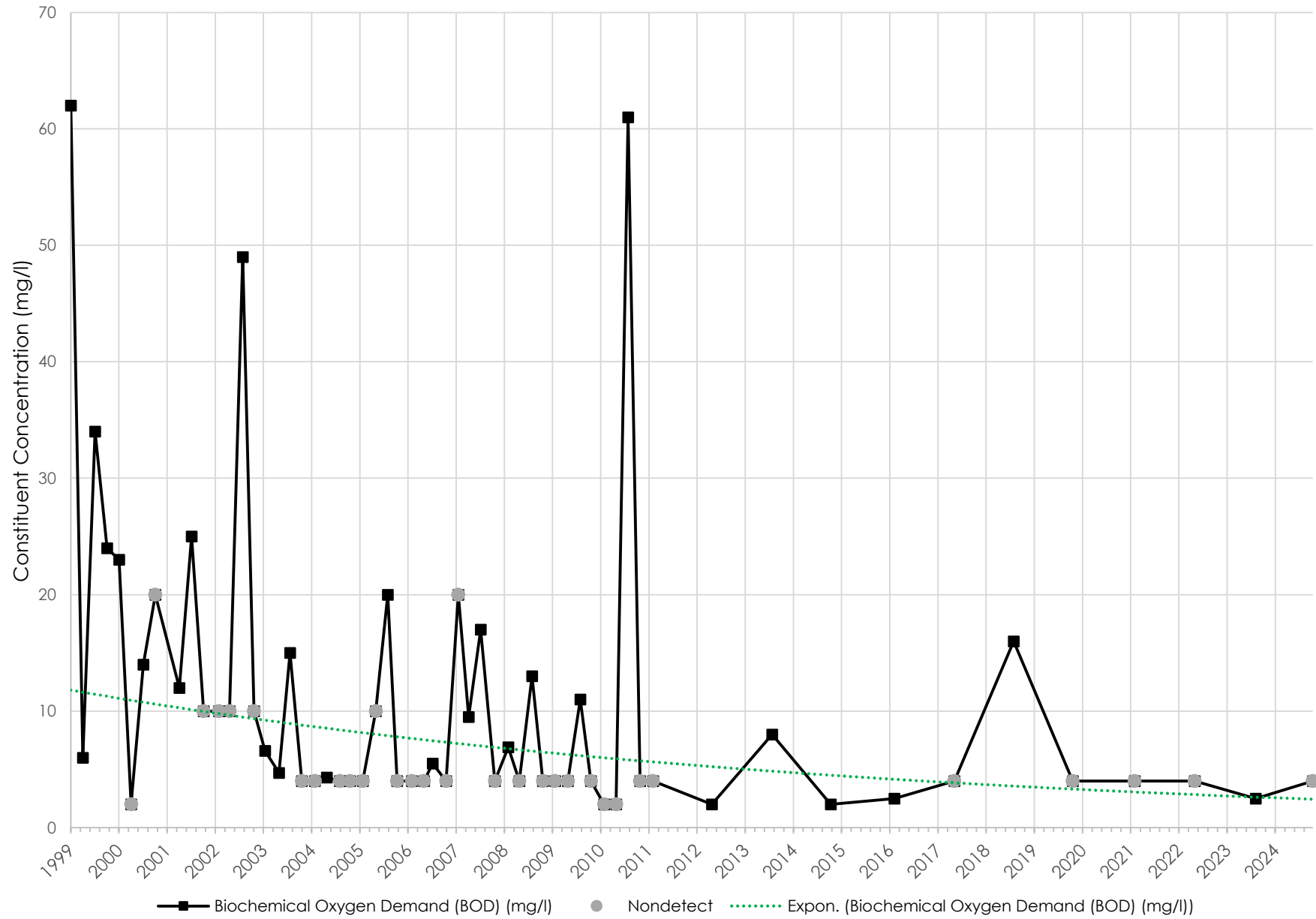
Time-Series MW-3S, Sodium (mg/l)



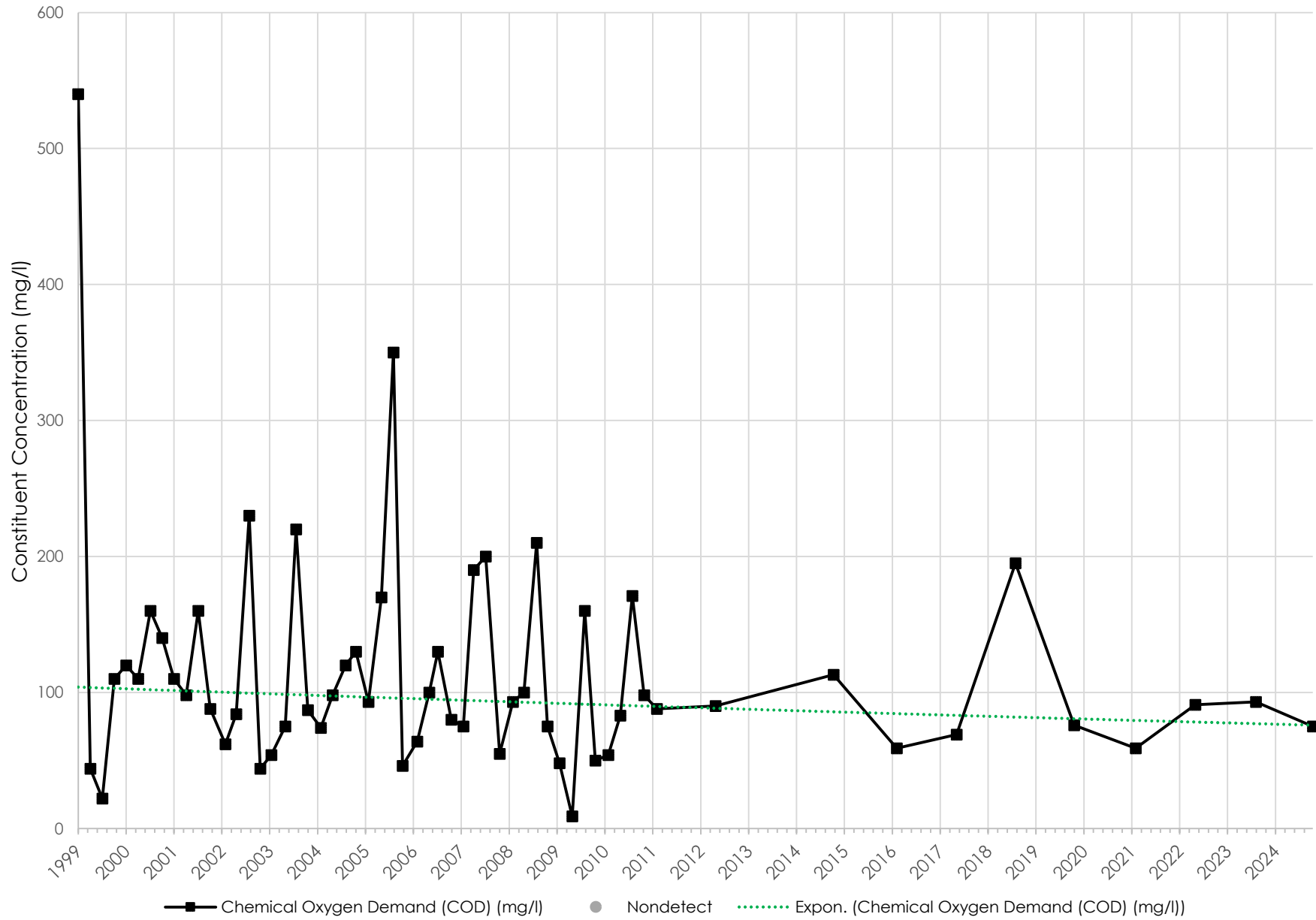
Time-Series MW-4S, Ammonia-Nitrogen (mg/l)



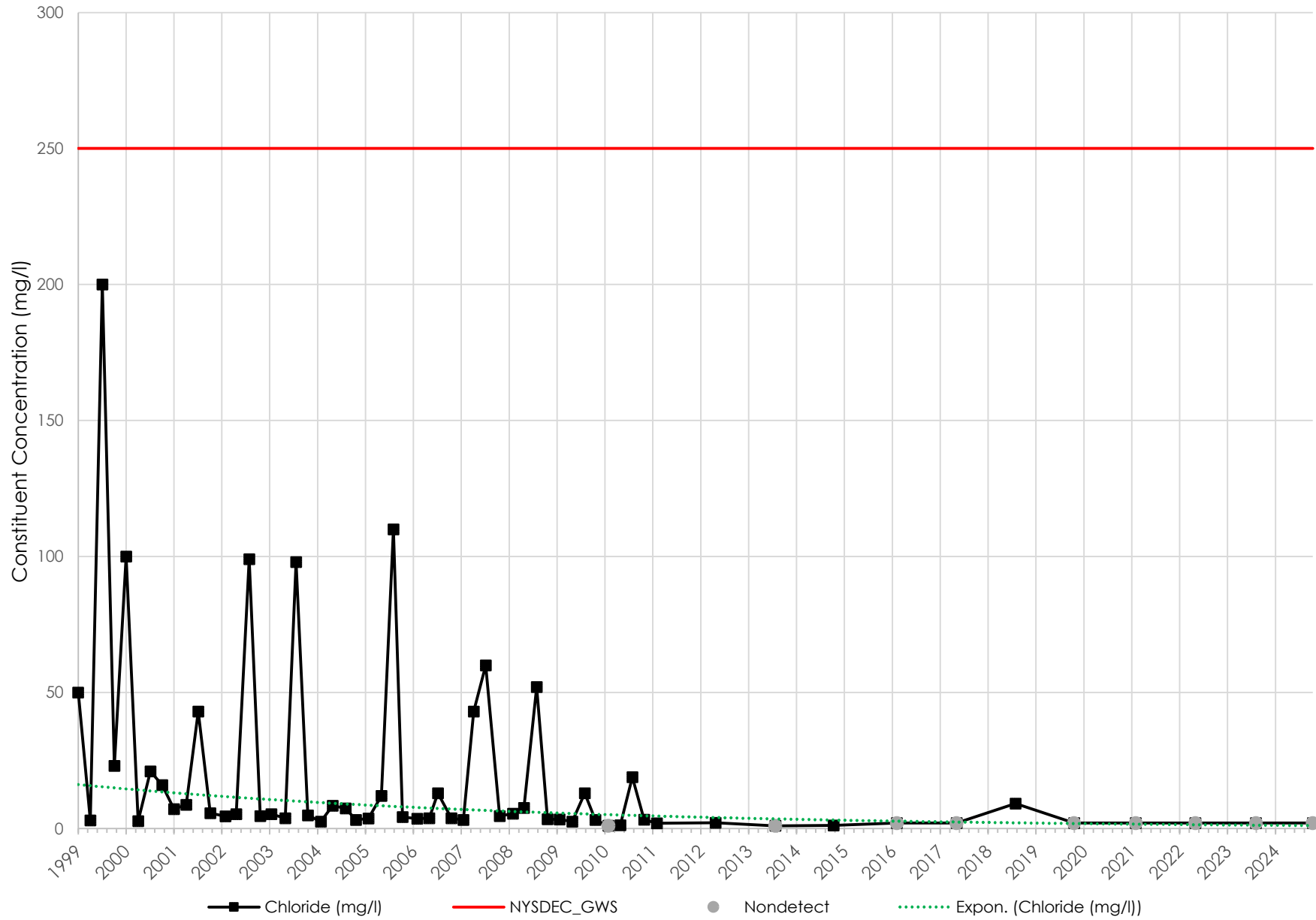
Time-Series MW-4S, Biochemical Oxygen Demand (BOD) (mg/l)



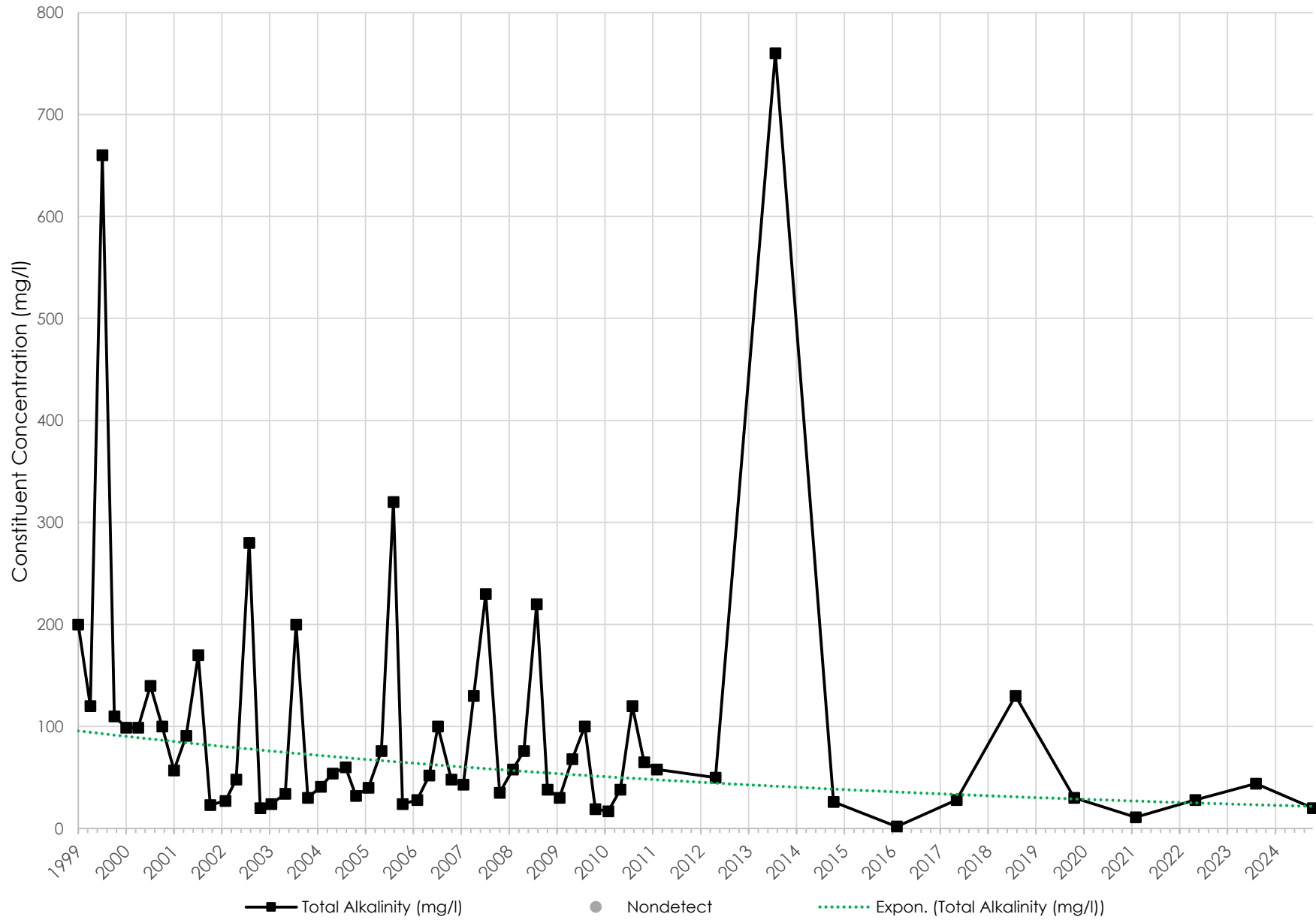
Time-Series MW-4S, Chemical Oxygen Demand (COD) (mg/l)



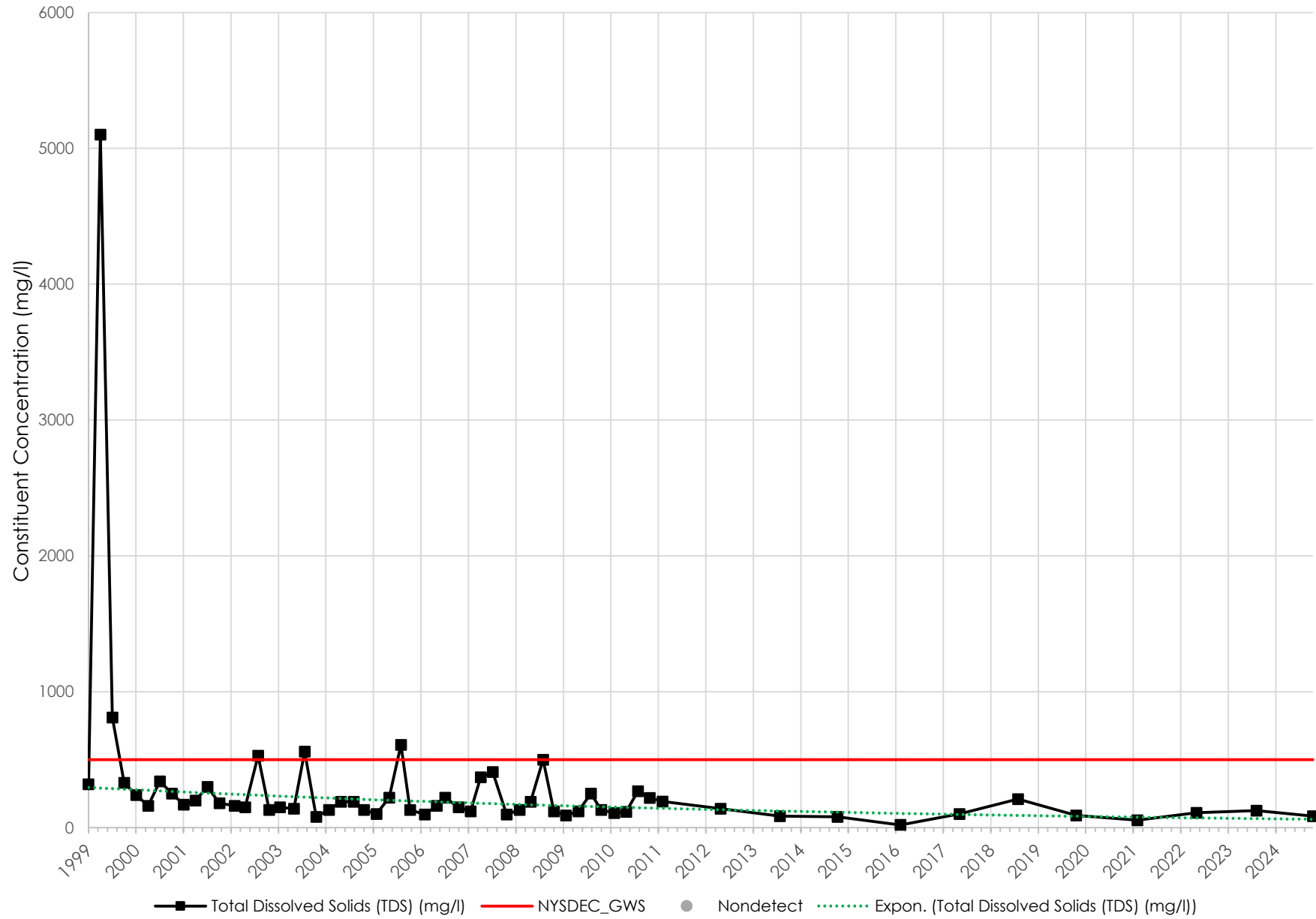
Time-Series MW-4S, Chloride (mg/l)



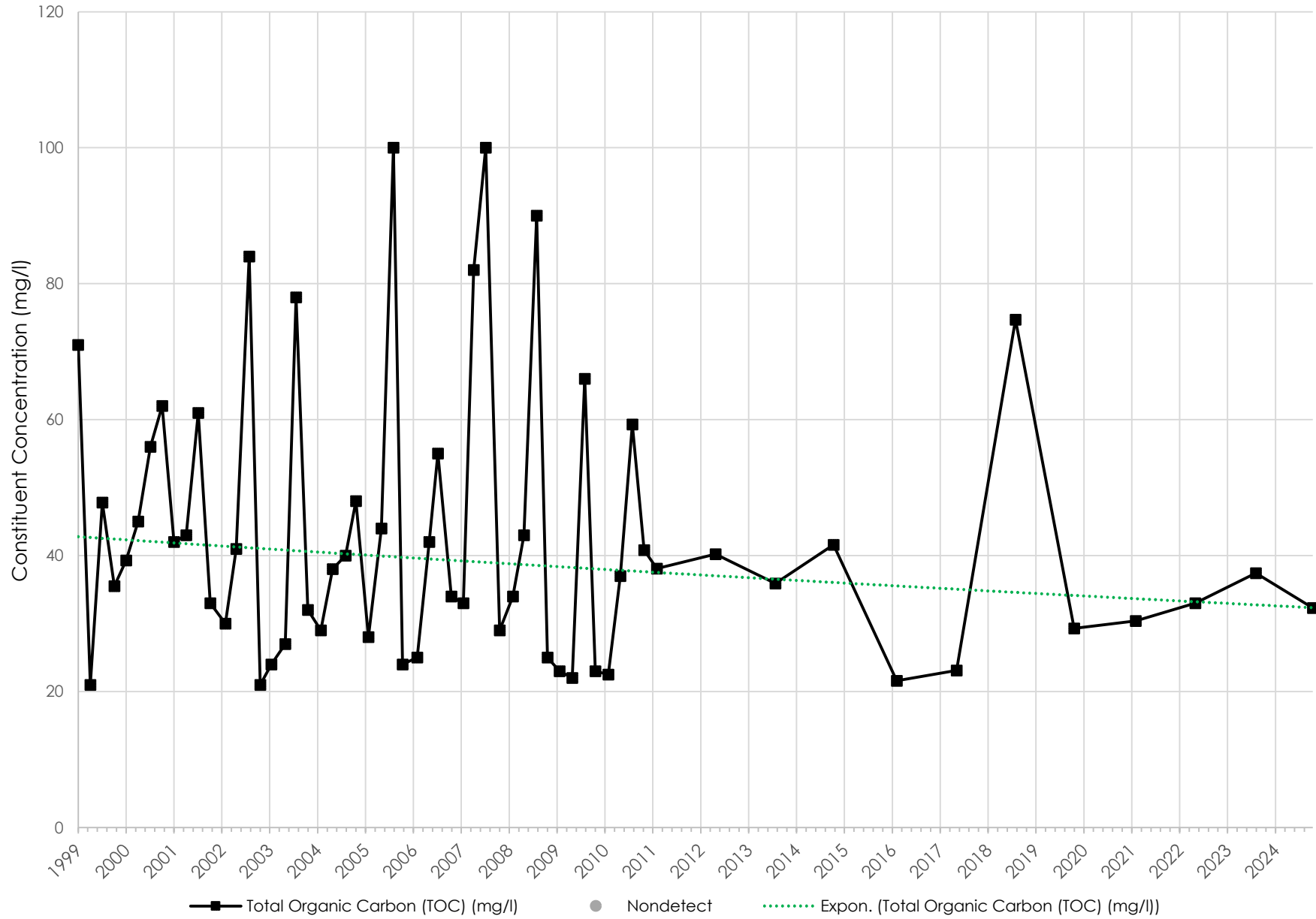
Time-Series MW-4S, Total Alkalinity (mg/l)



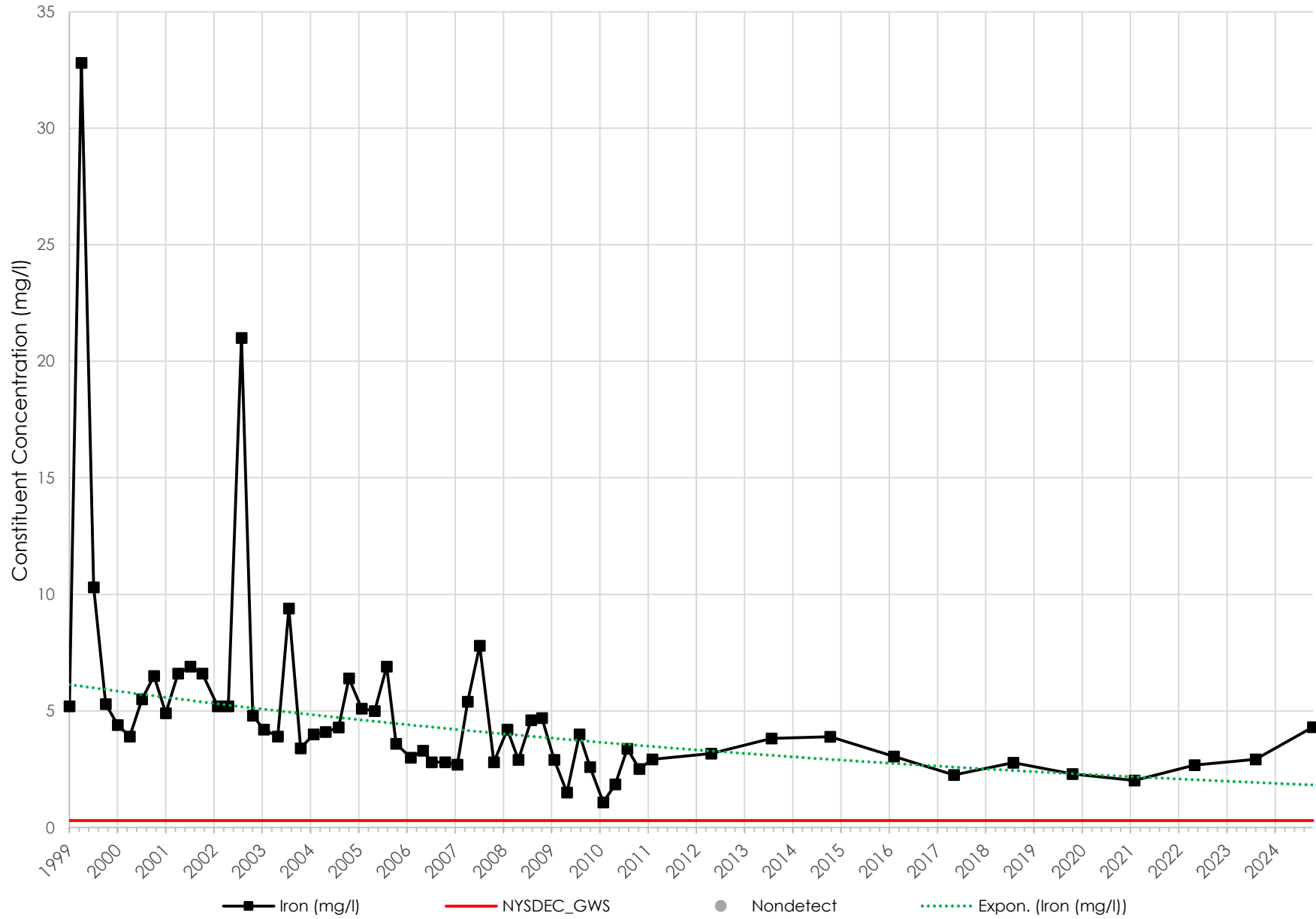
Time-Series MW-4S, Total Dissolved Solids (TDS) (mg/l)



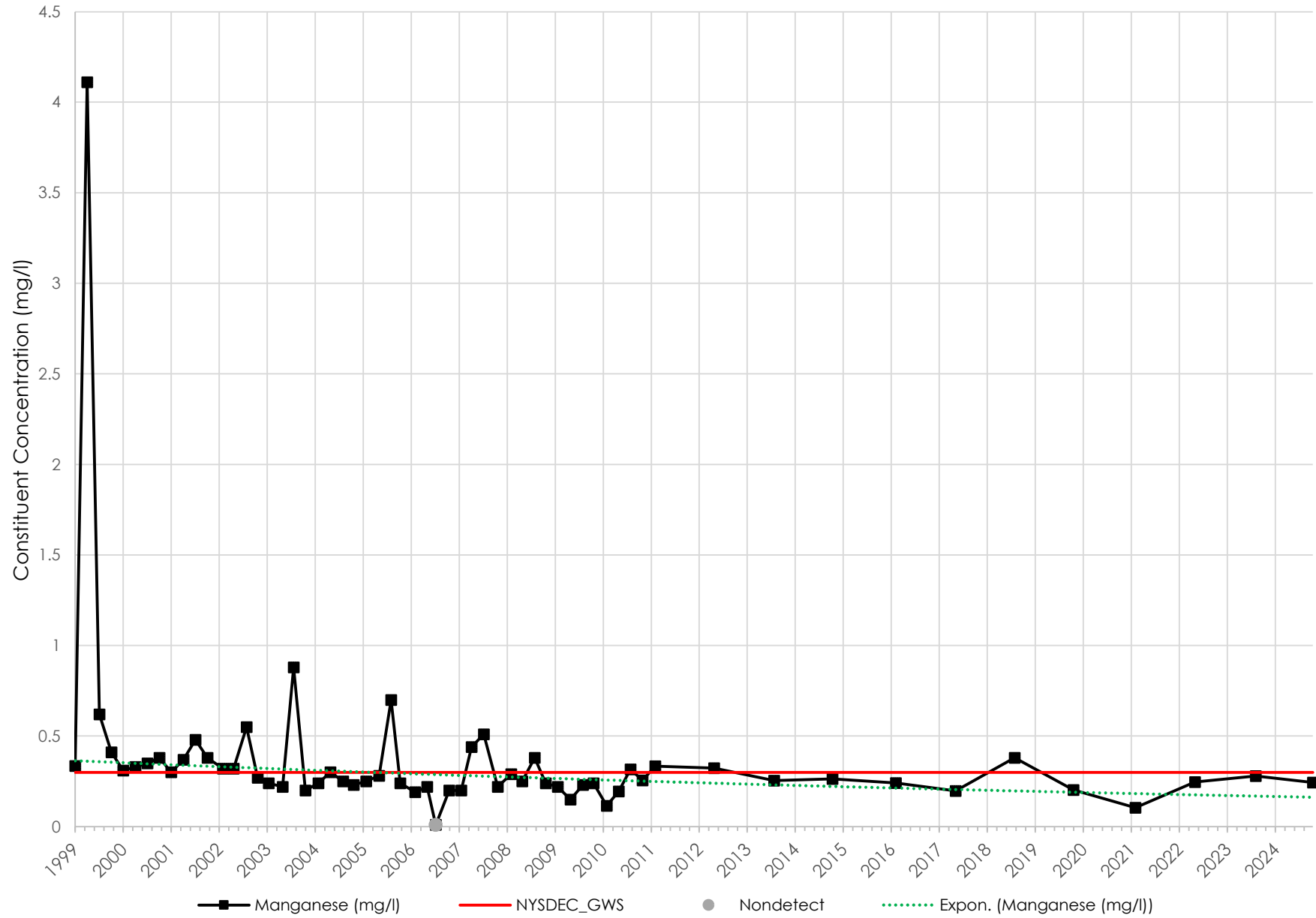
Time-Series MW-4S, Total Organic Carbon (TOC) (mg/l)



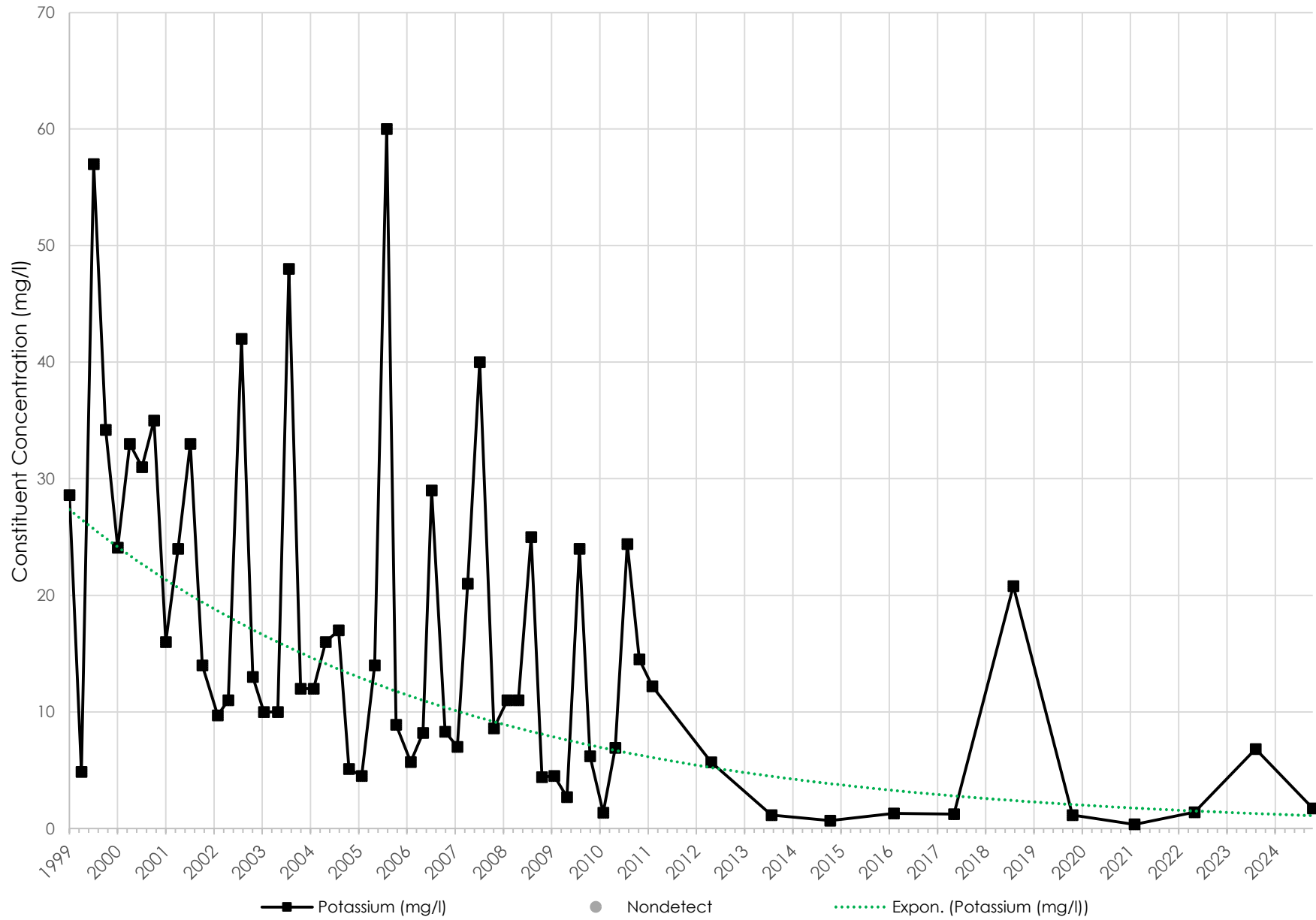
Time-Series MW-4S, Iron (mg/l)



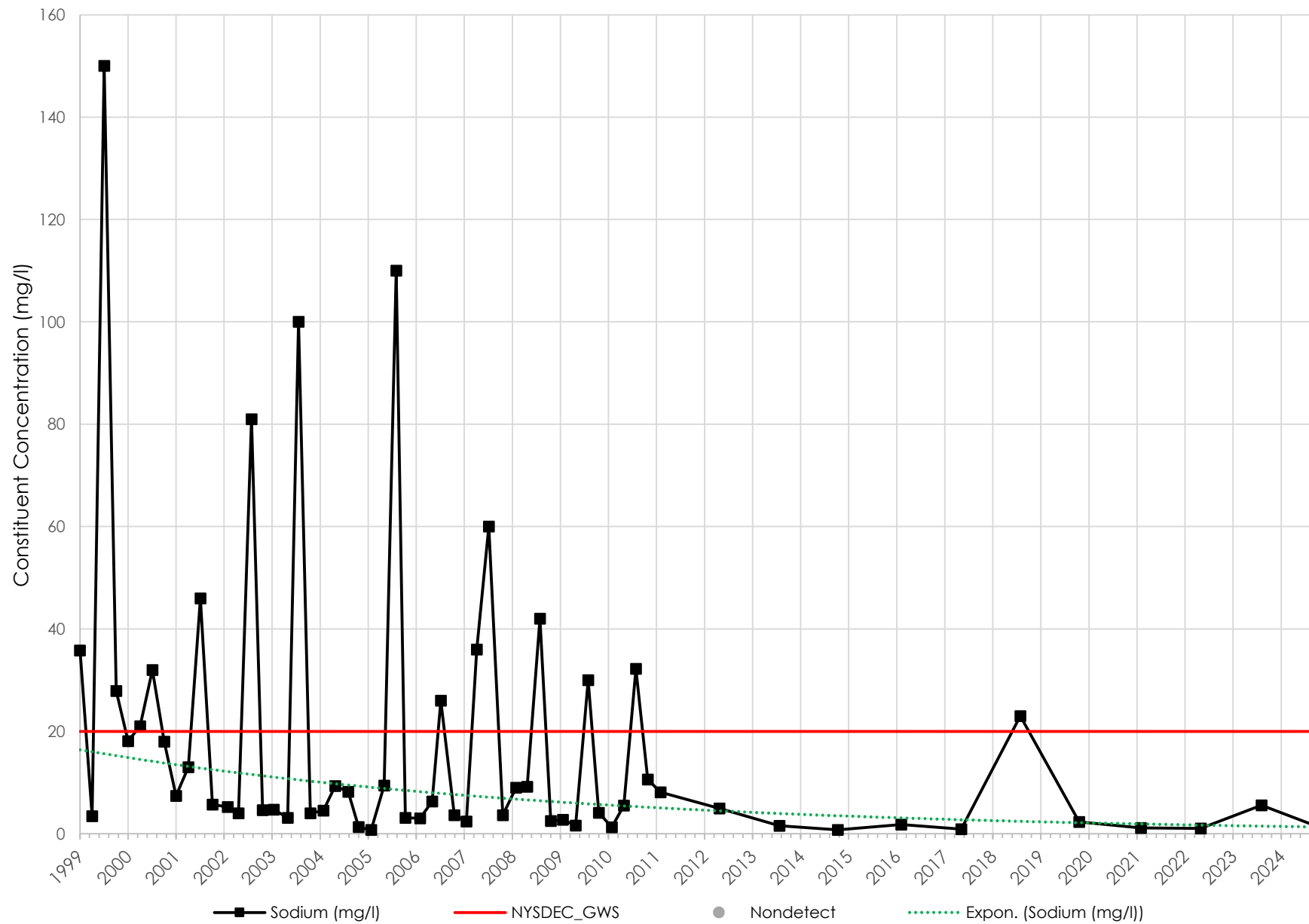
Time-Series MW-4S, Manganese (mg/l)



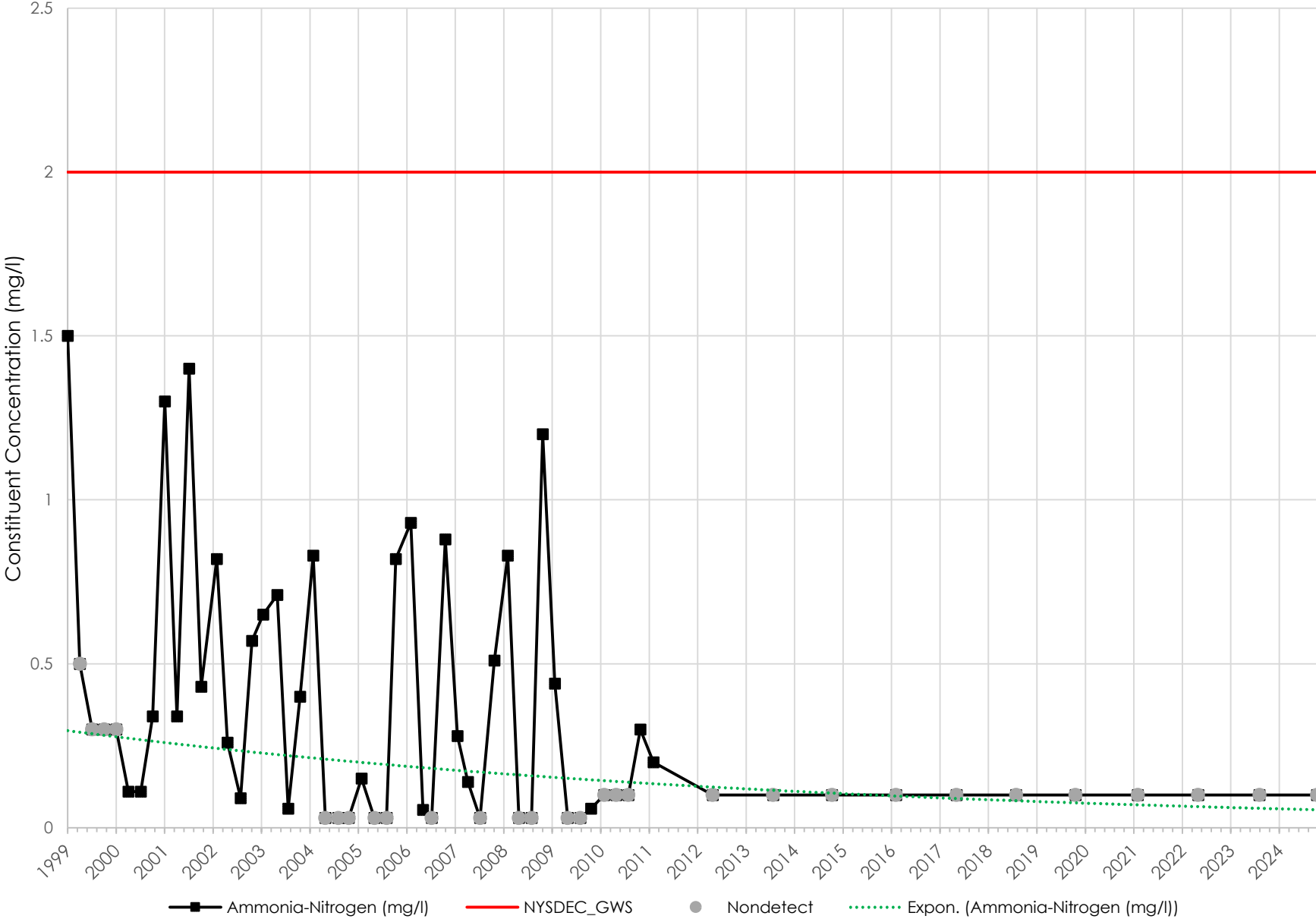
Time-Series MW-4S, Potassium (mg/l)



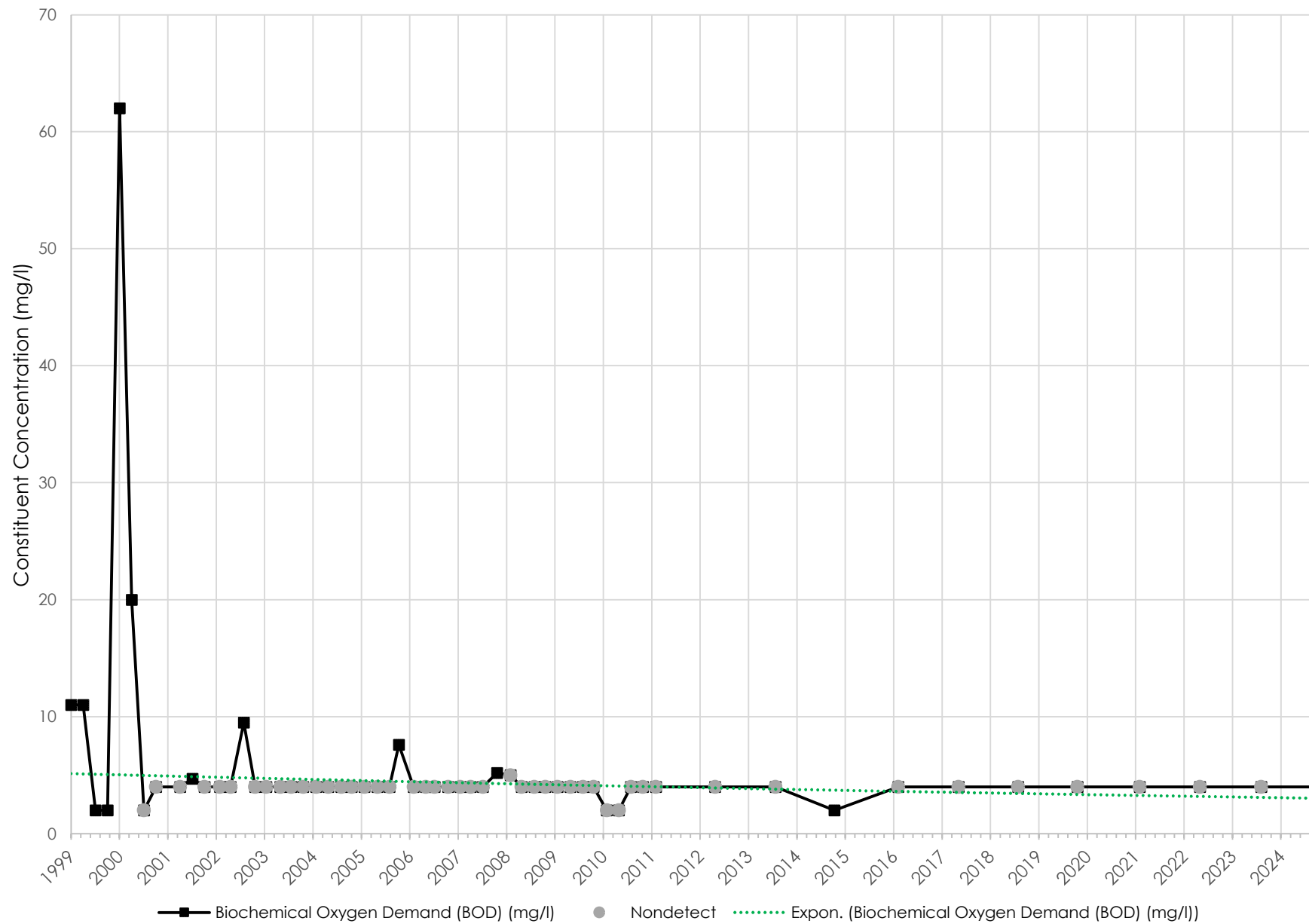
Time-Series MW-4S, Sodium (mg/l)



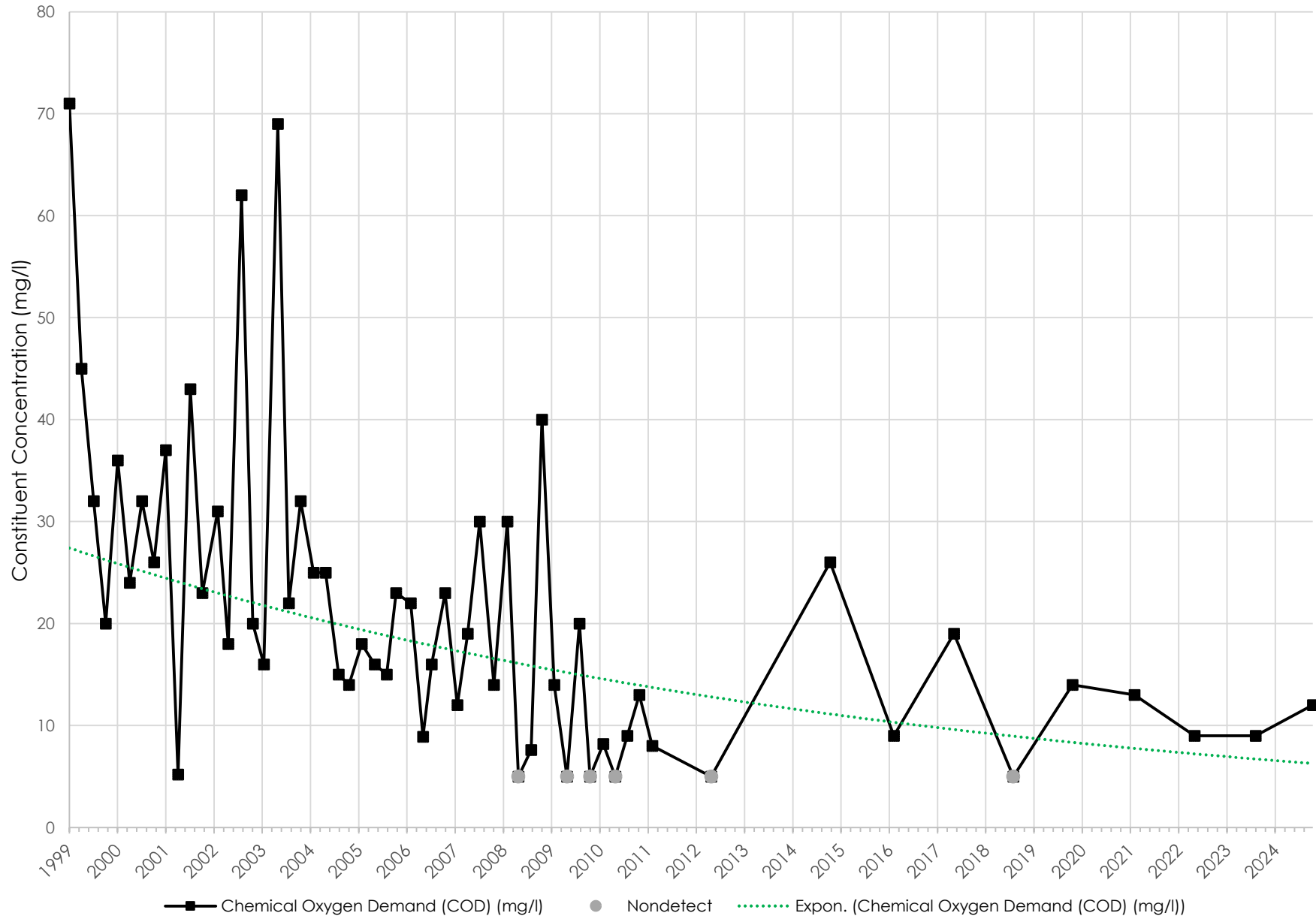
Time-Series MW-5S, Ammonia-Nitrogen (mg/l)



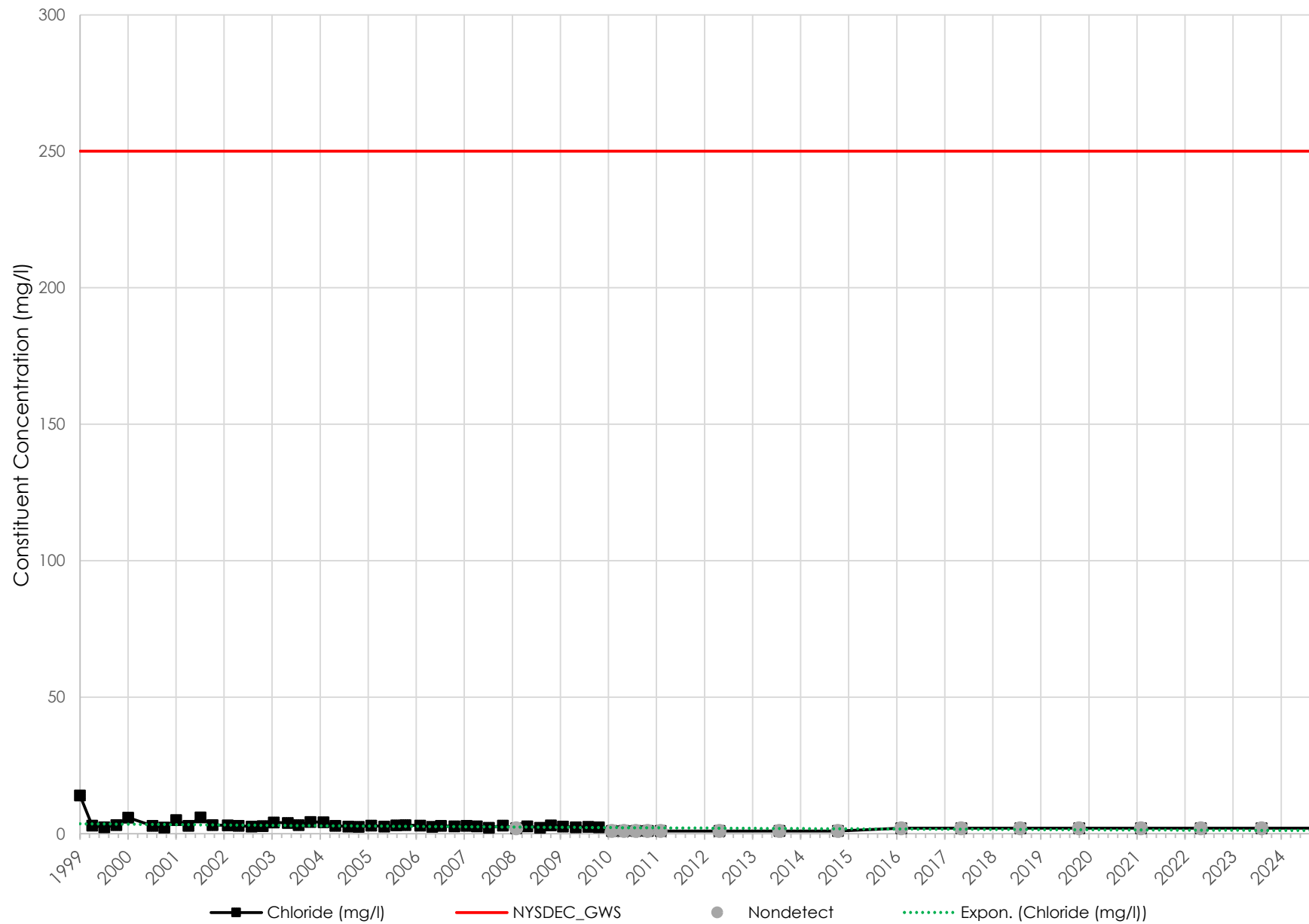
Time-Series MW-5S, Biochemical Oxygen Demand (BOD) (mg/l)



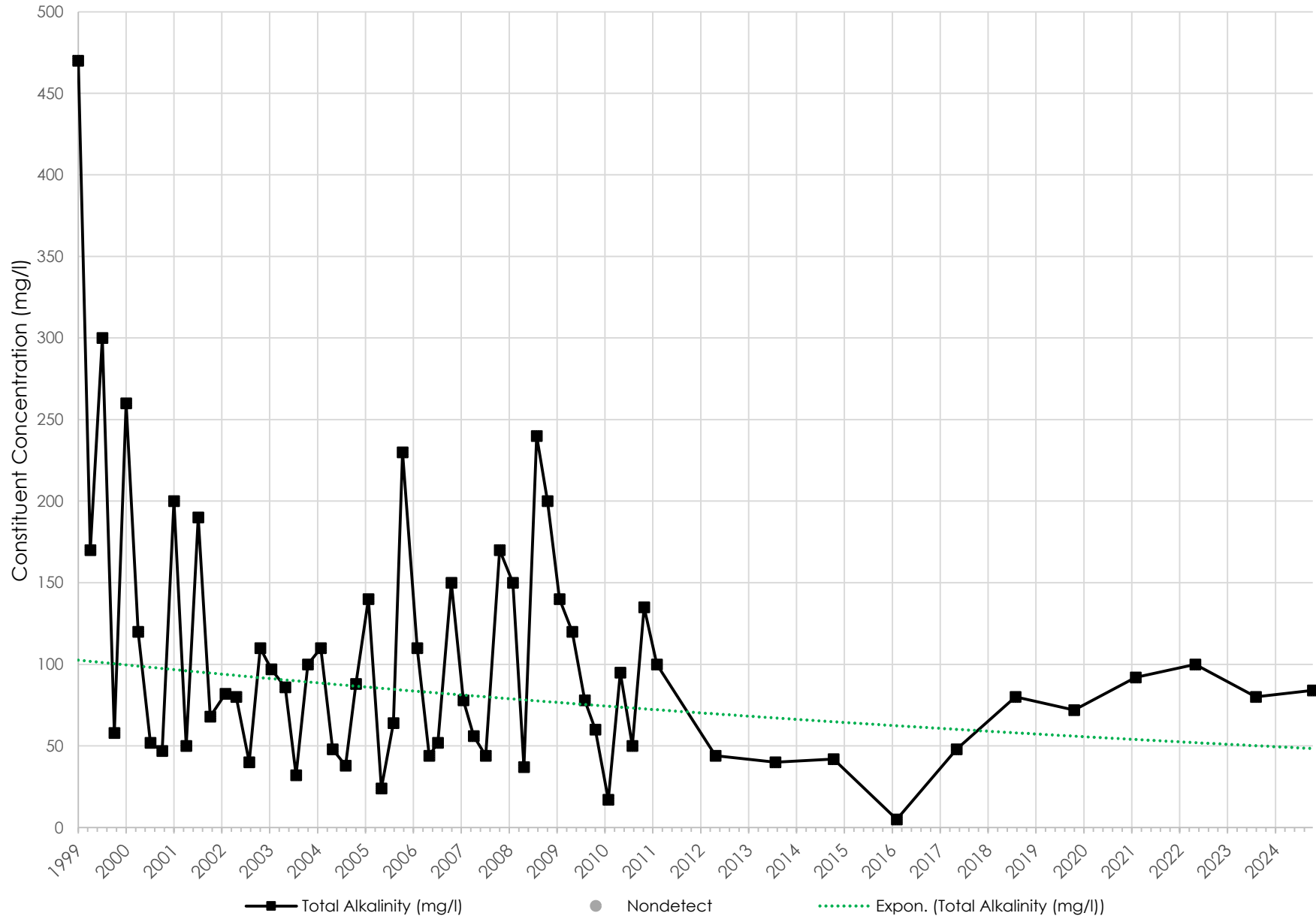
Time-Series MW-5S, Chemical Oxygen Demand (COD) (mg/l)



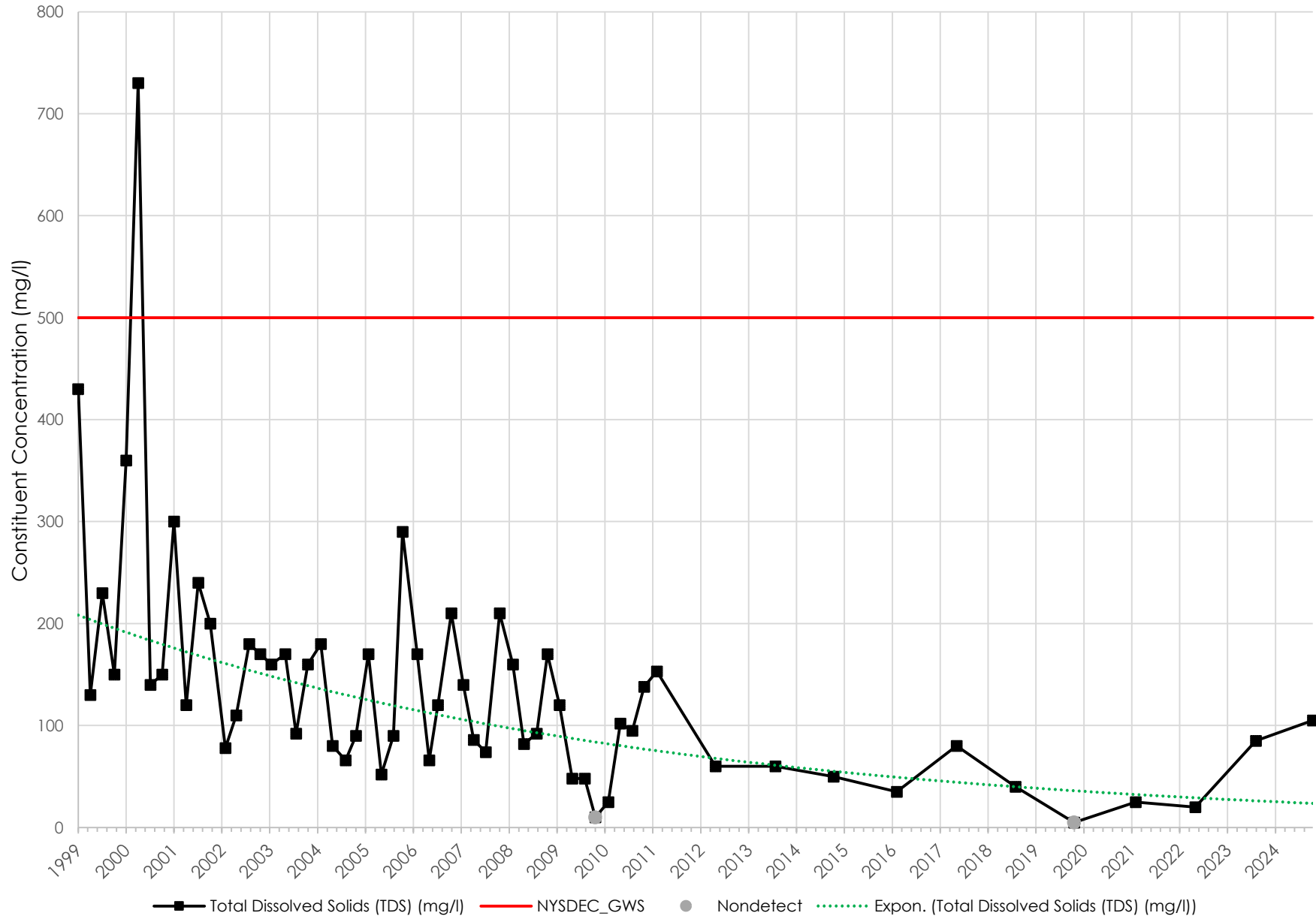
Time-Series MW-5S, Chloride (mg/l)



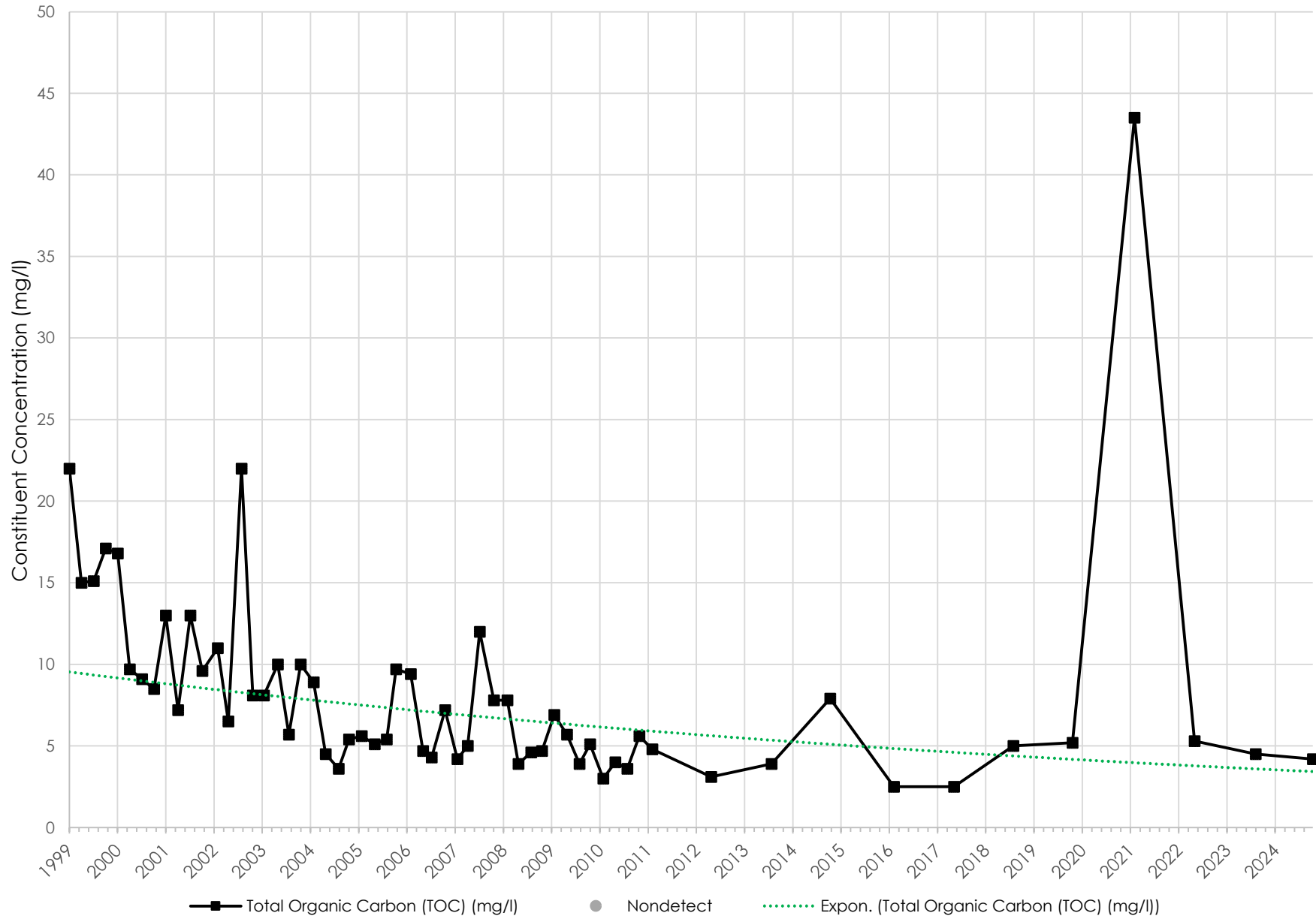
Time-Series MW-5S, Total Alkalinity (mg/l)



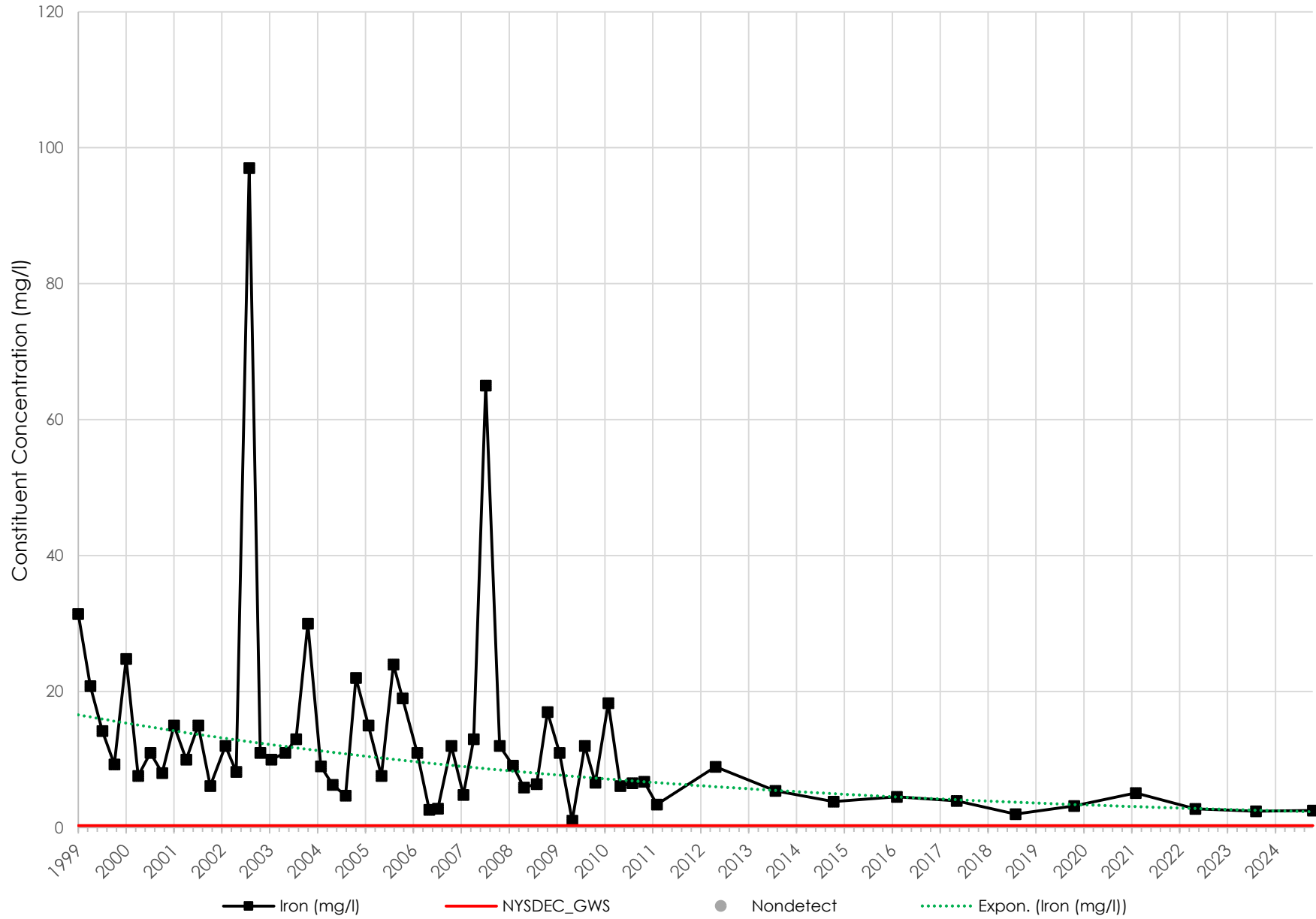
Time-Series MW-5S, Total Dissolved Solids (TDS) (mg/l)



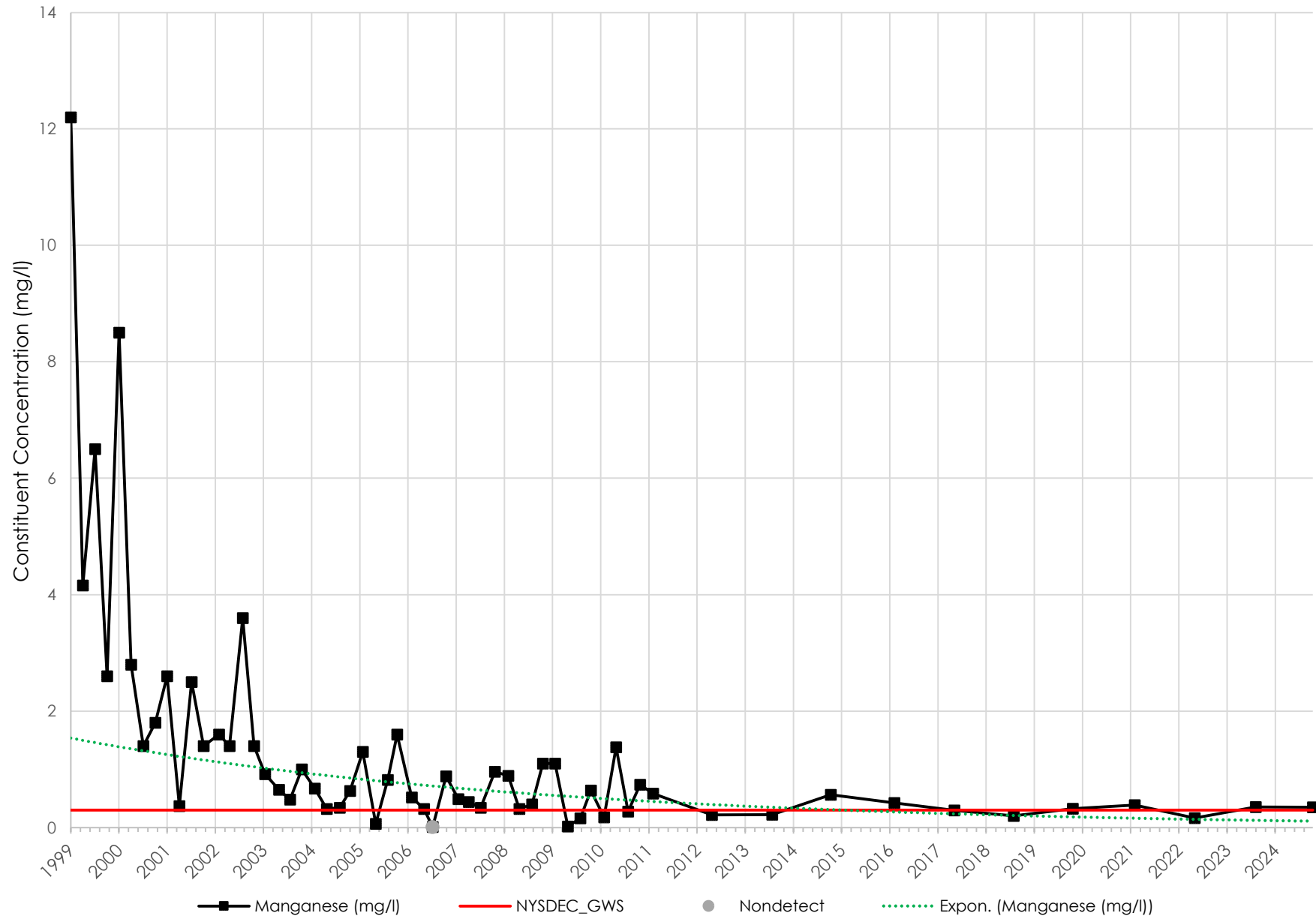
Time-Series MW-5S, Total Organic Carbon (TOC) (mg/l)



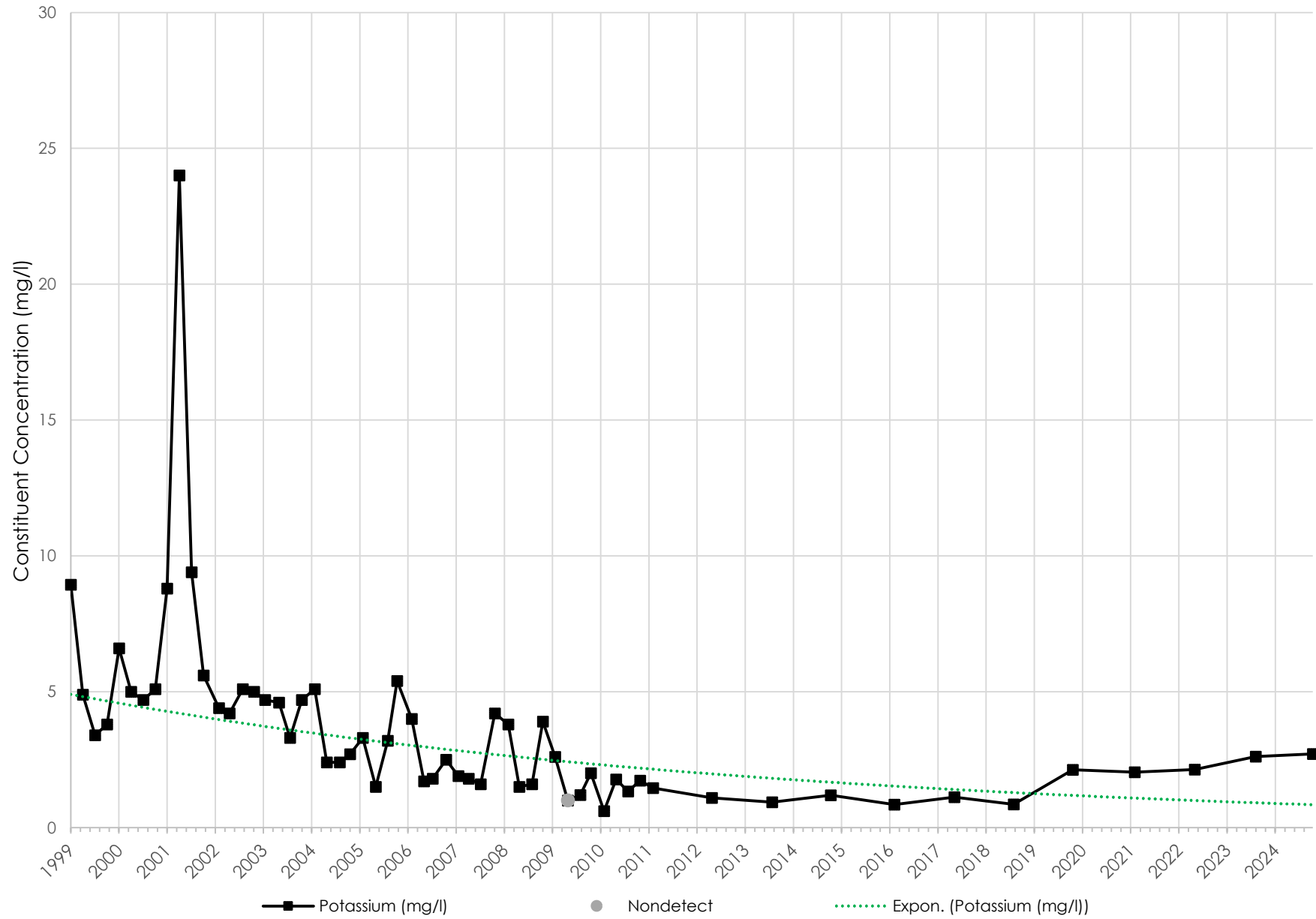
Time-Series MW-5S, Iron (mg/l)



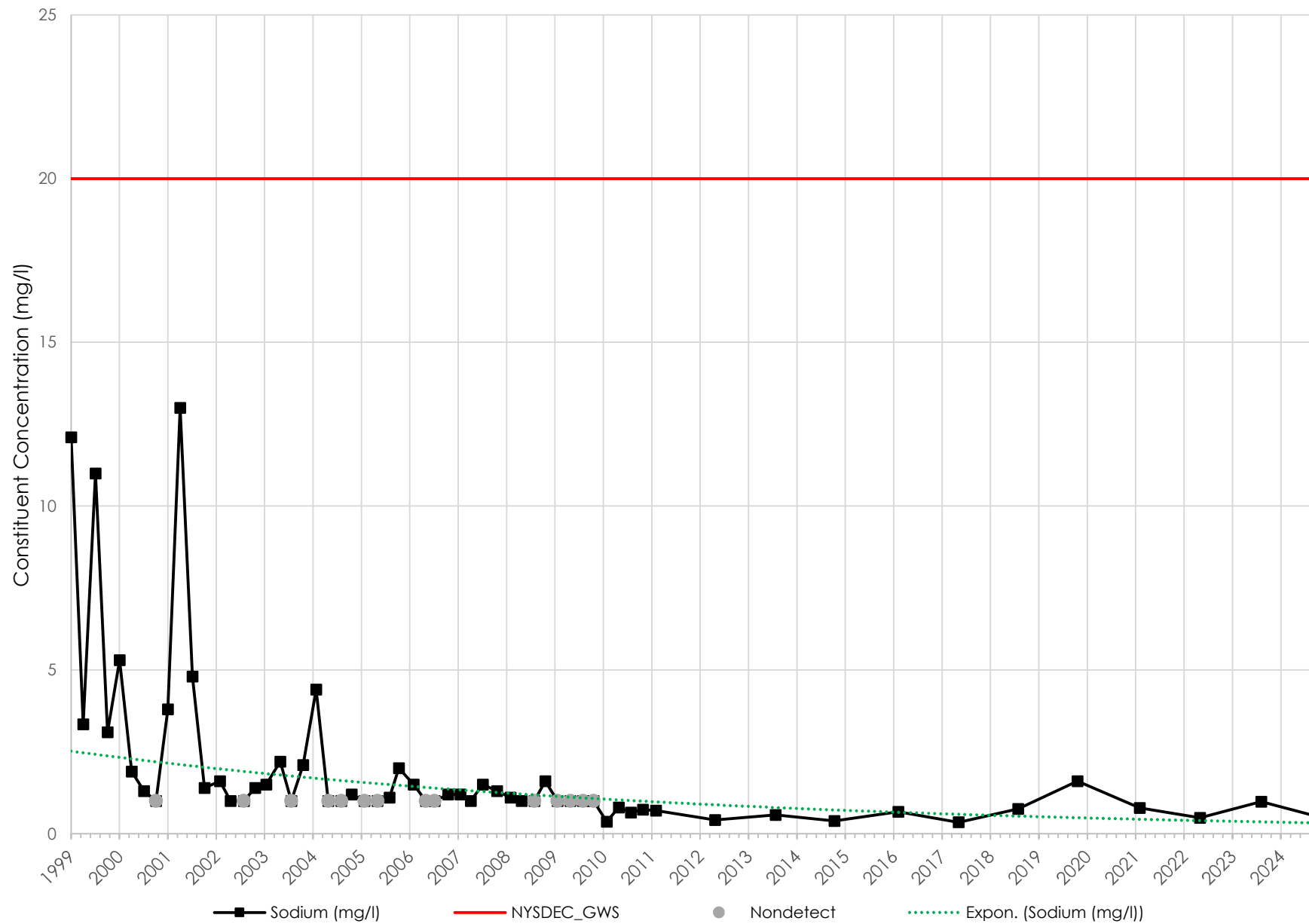
Time-Series MW-5S, Manganese (mg/l)



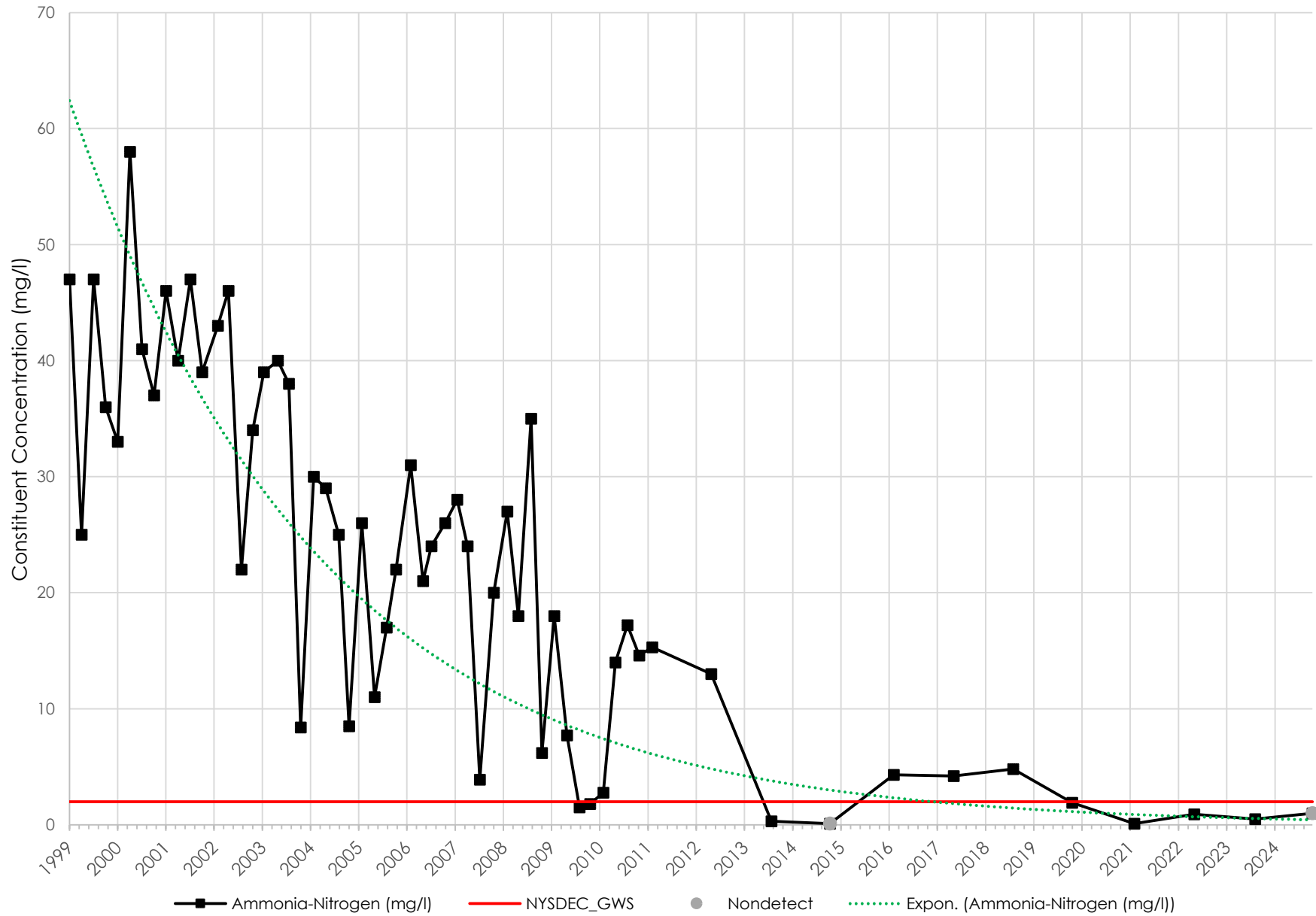
Time-Series MW-5S, Potassium (mg/l)



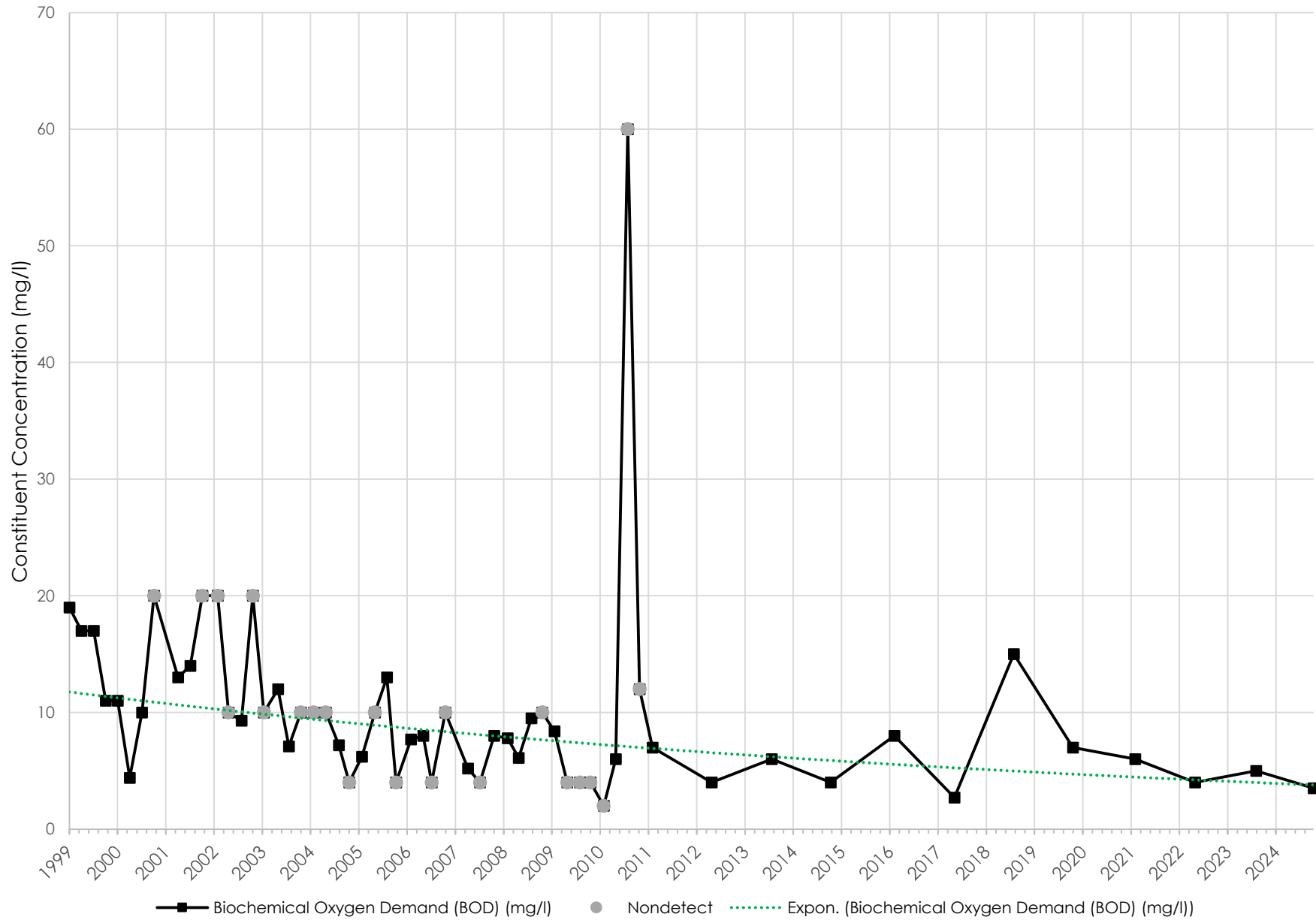
Time-Series MW-5S, Sodium (mg/l)



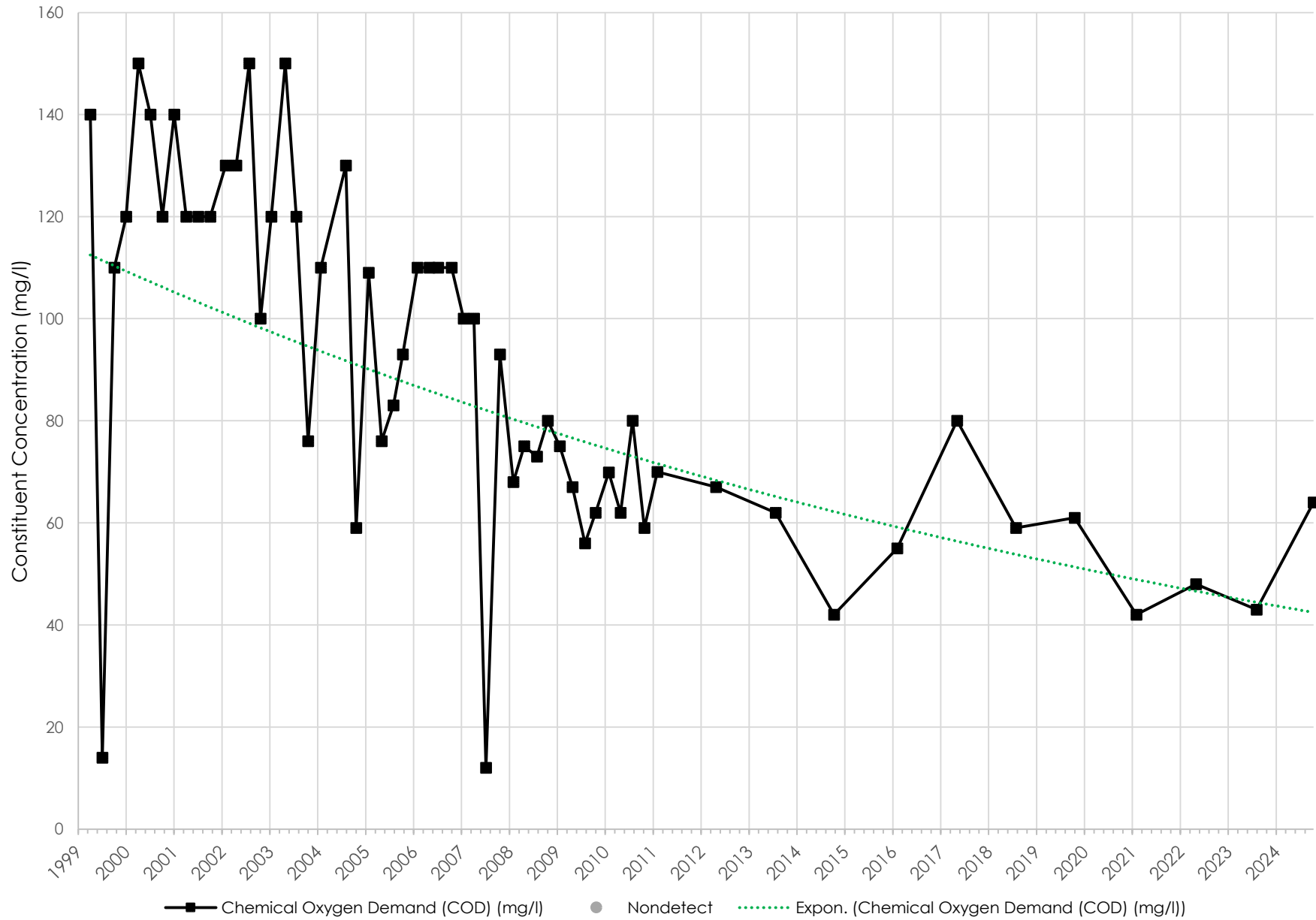
Time-Series MW-7D, Ammonia-Nitrogen (mg/l)



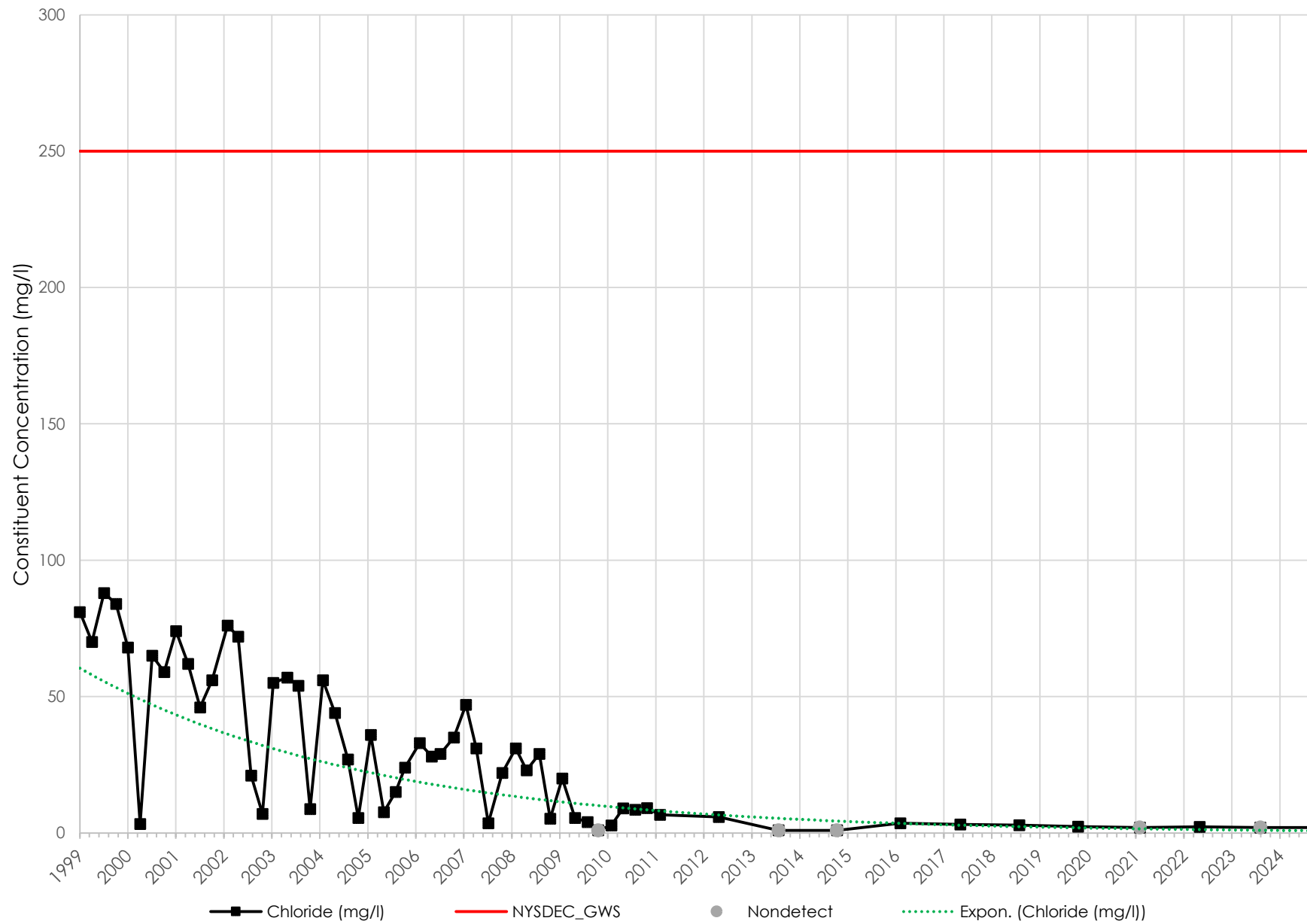
Time-Series MW-7D, Biochemical Oxygen Demand (BOD) (mg/l)



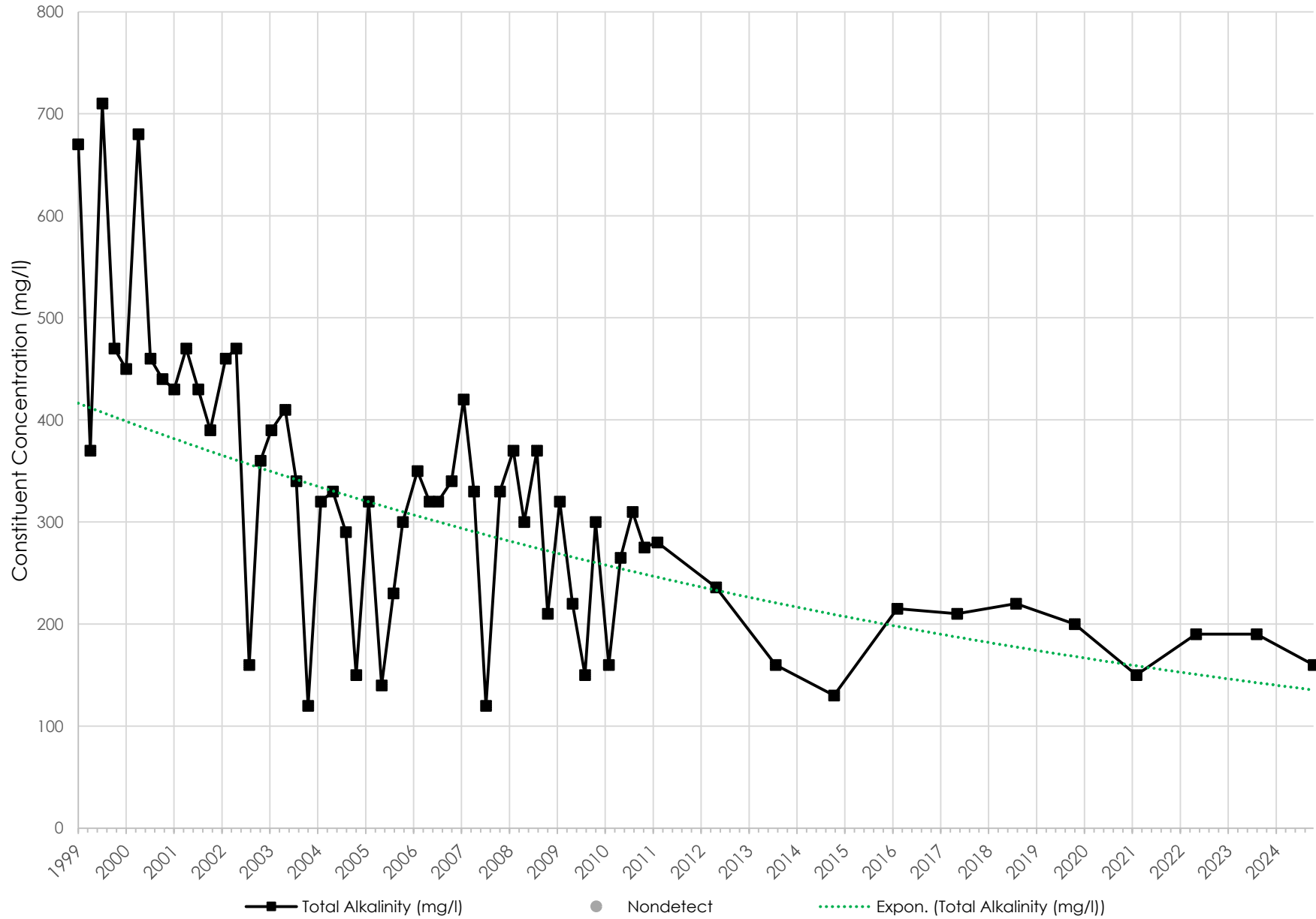
Time-Series MW-7D, Chemical Oxygen Demand (COD) (mg/l)



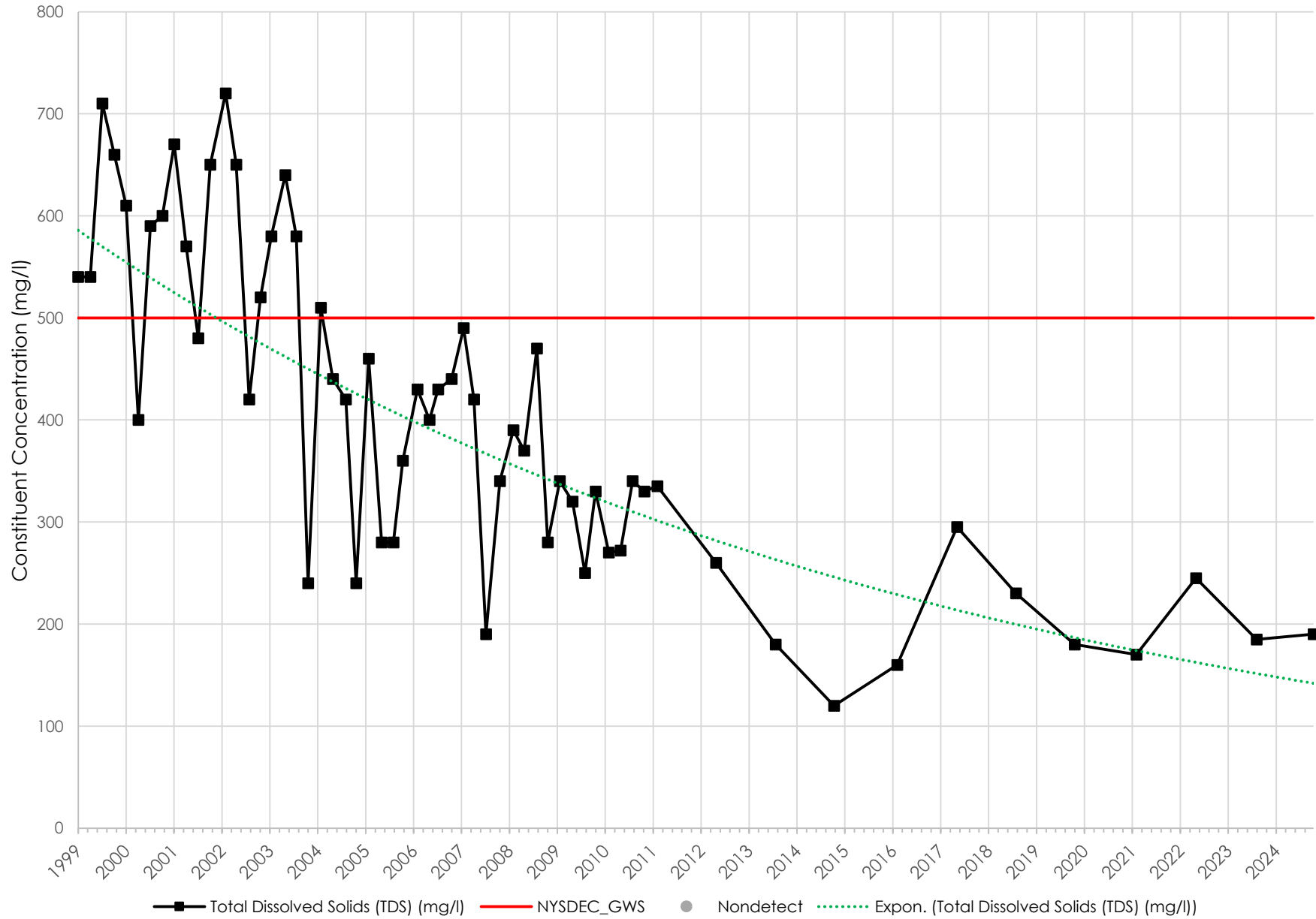
Time-Series MW-7D, Chloride (mg/l)



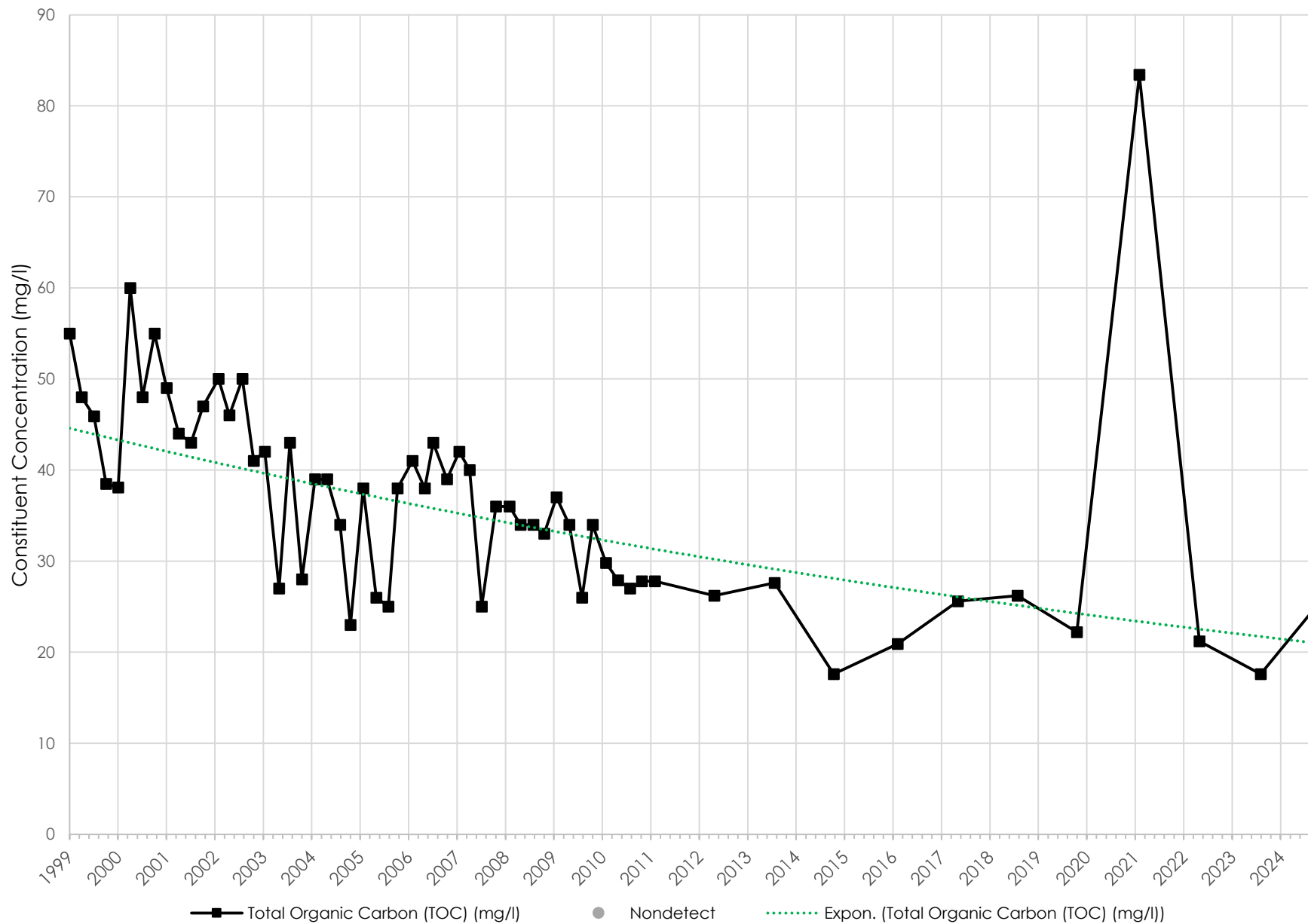
Time-Series MW-7D, Total Alkalinity (mg/l)



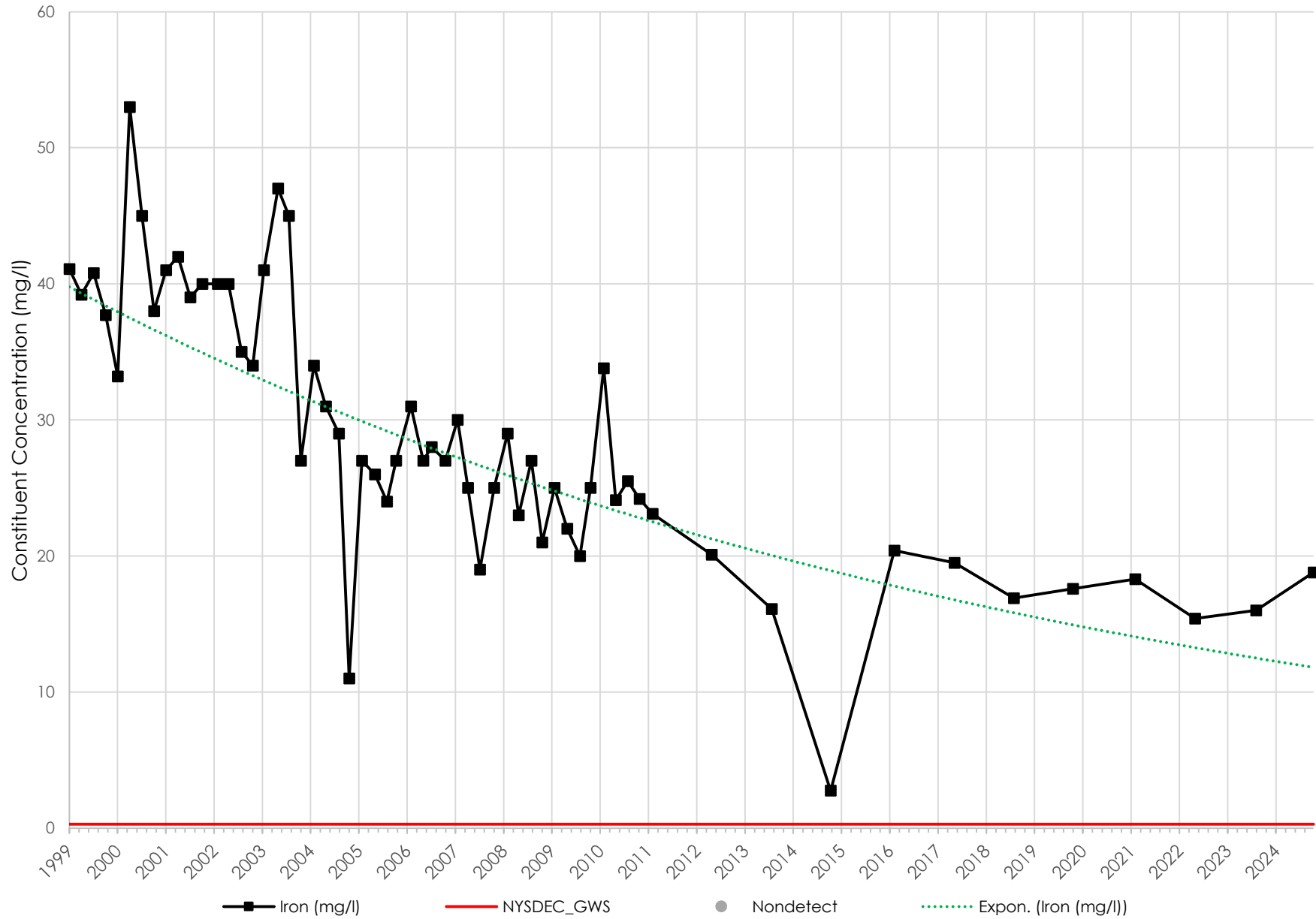
Time-Series MW-7D, Total Dissolved Solids (TDS) (mg/l)



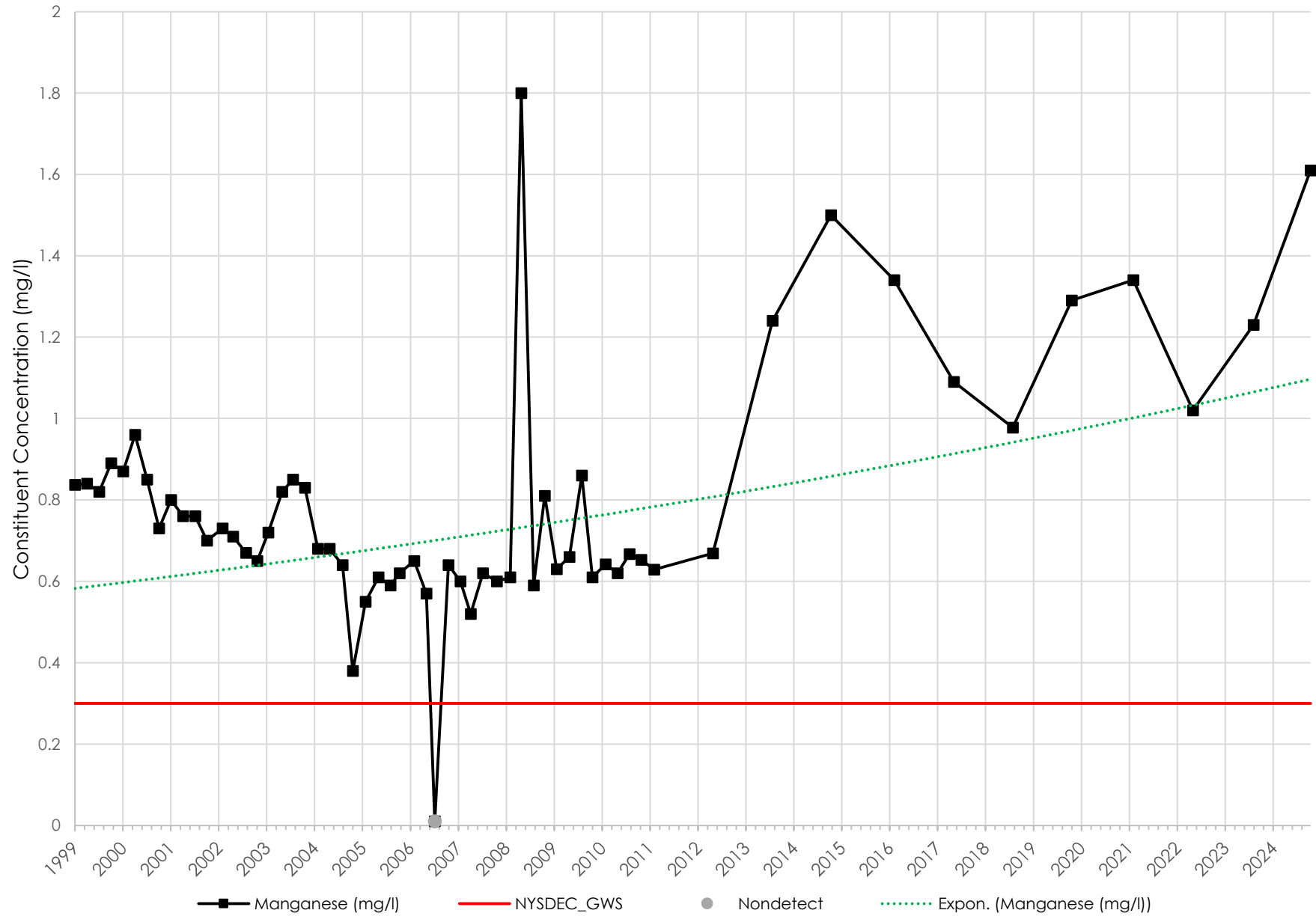
Time-Series MW-7D, Total Organic Carbon (TOC) (mg/l)



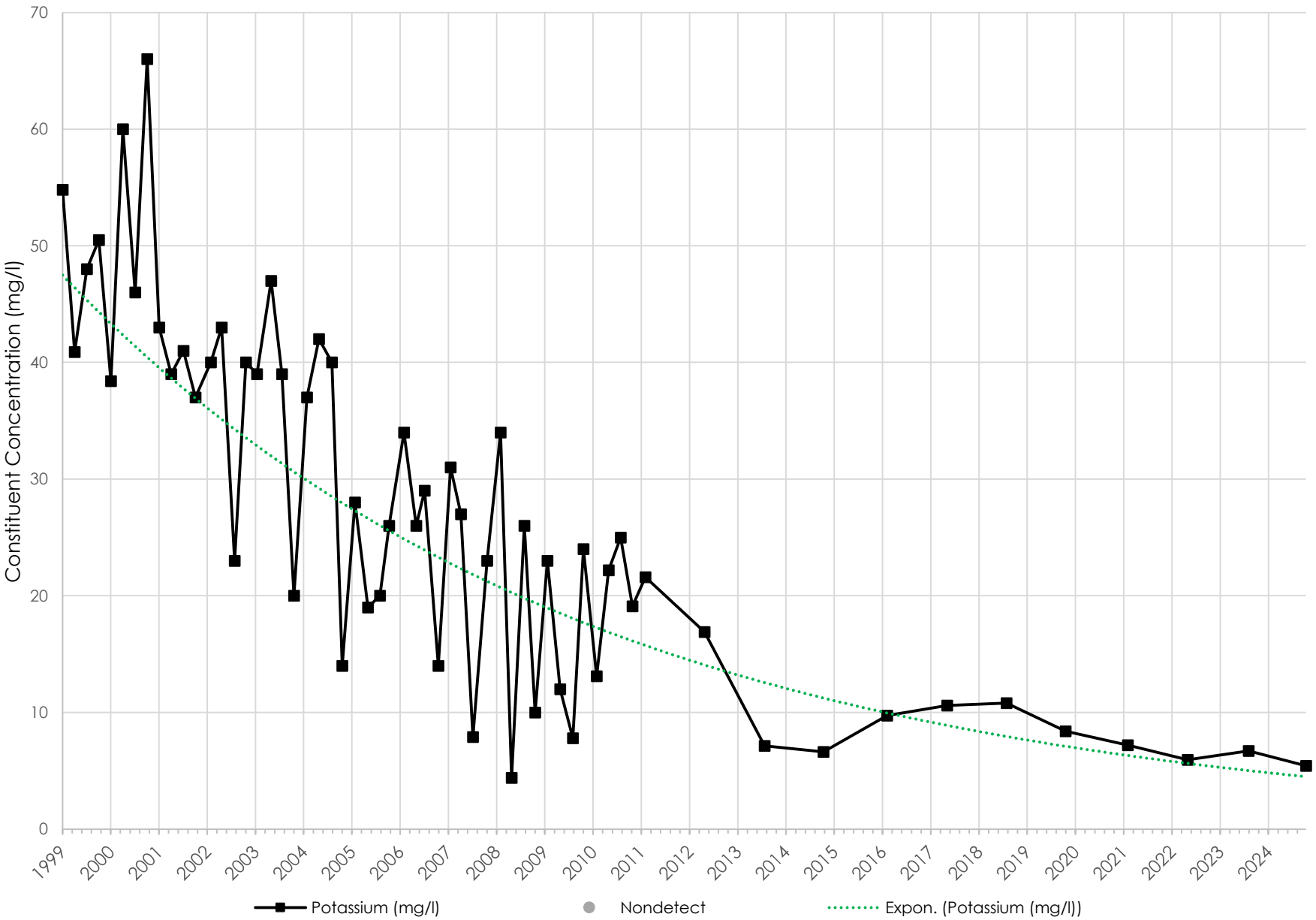
Time-Series MW-7D, Iron (mg/l)



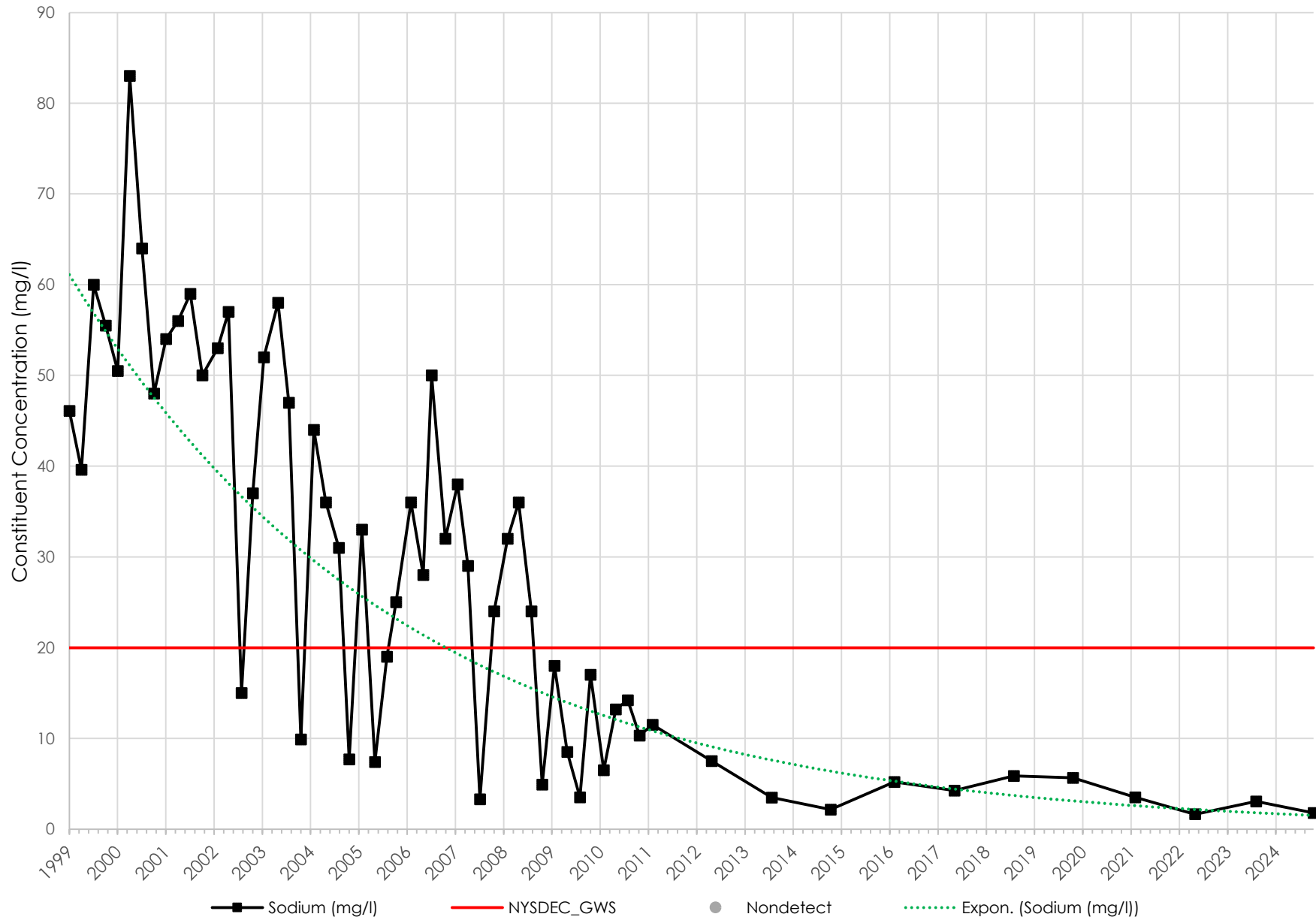
Time-Series MW-7D, Manganese (mg/l)



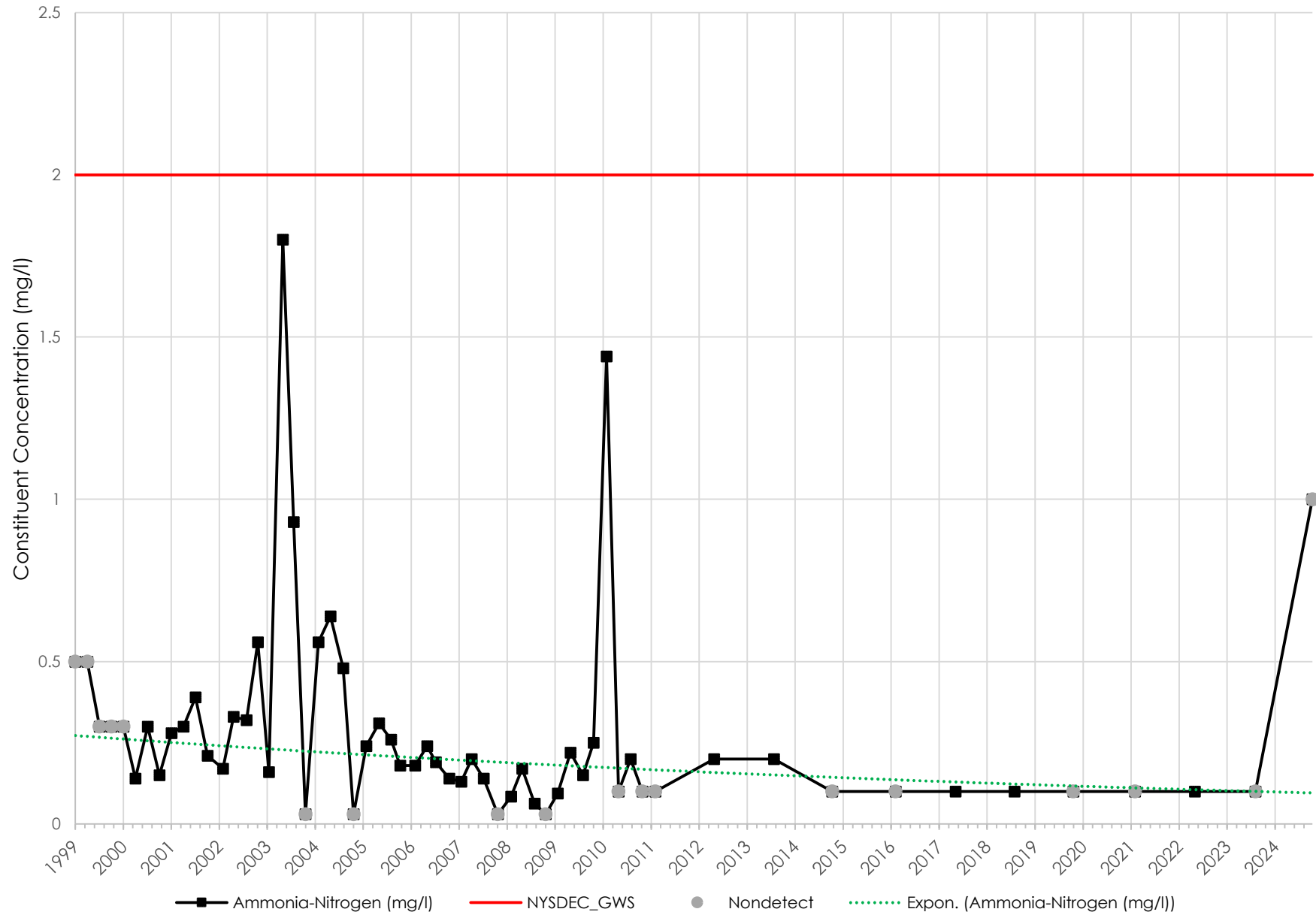
Time-Series MW-7D, Potassium (mg/l)



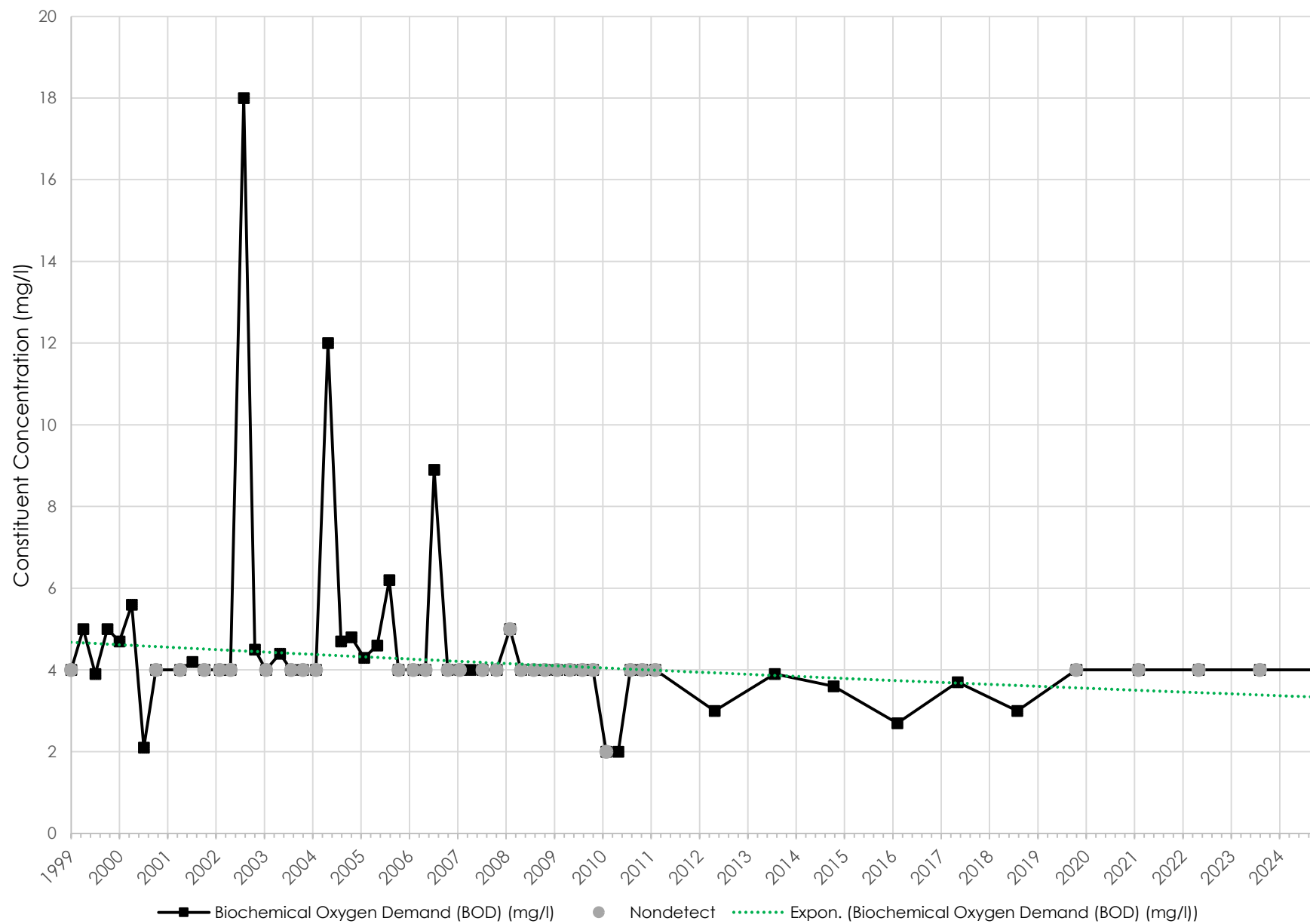
Time-Series MW-7D, Sodium (mg/l)



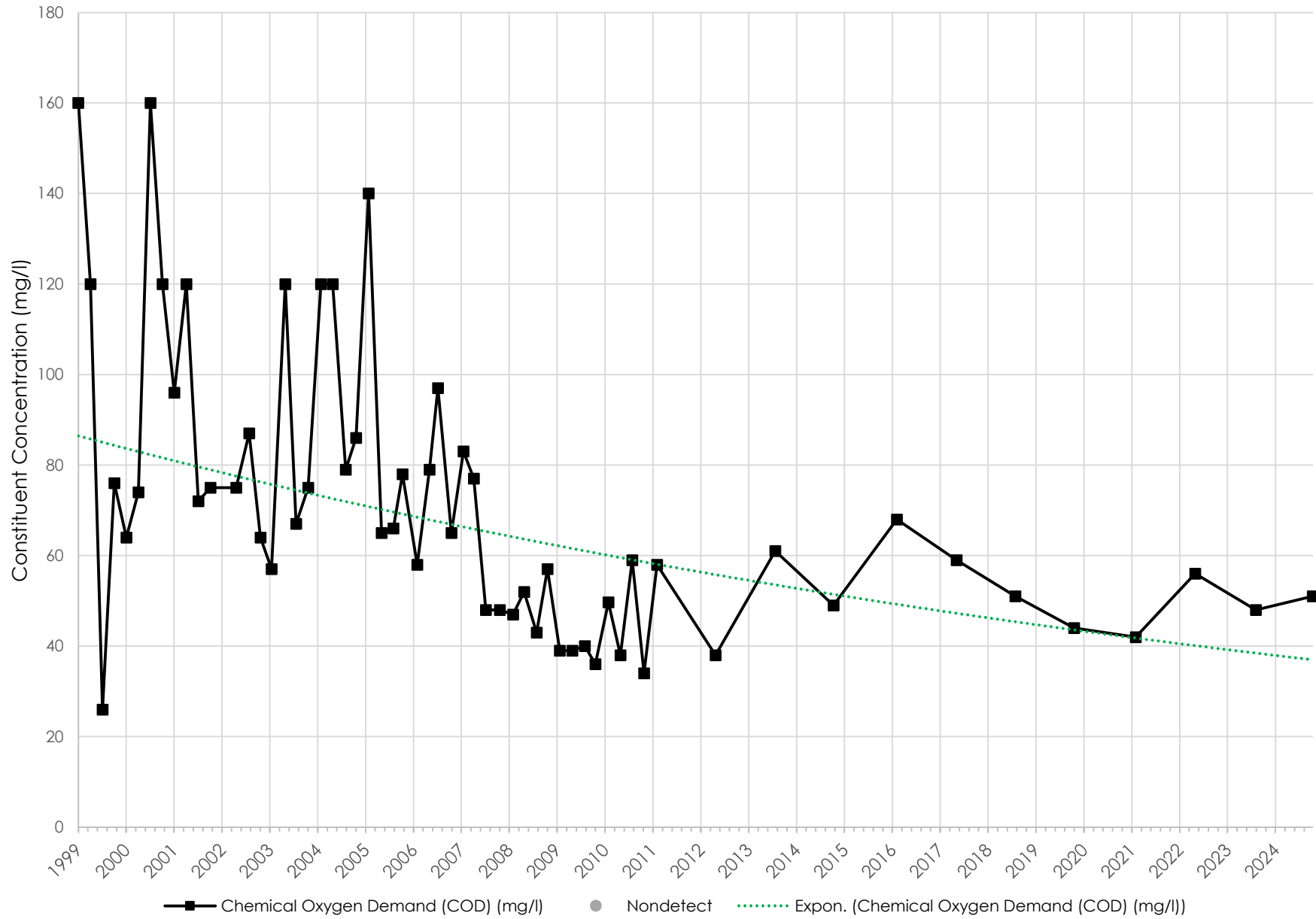
Time-Series MW-9S, Ammonia-Nitrogen (mg/l)



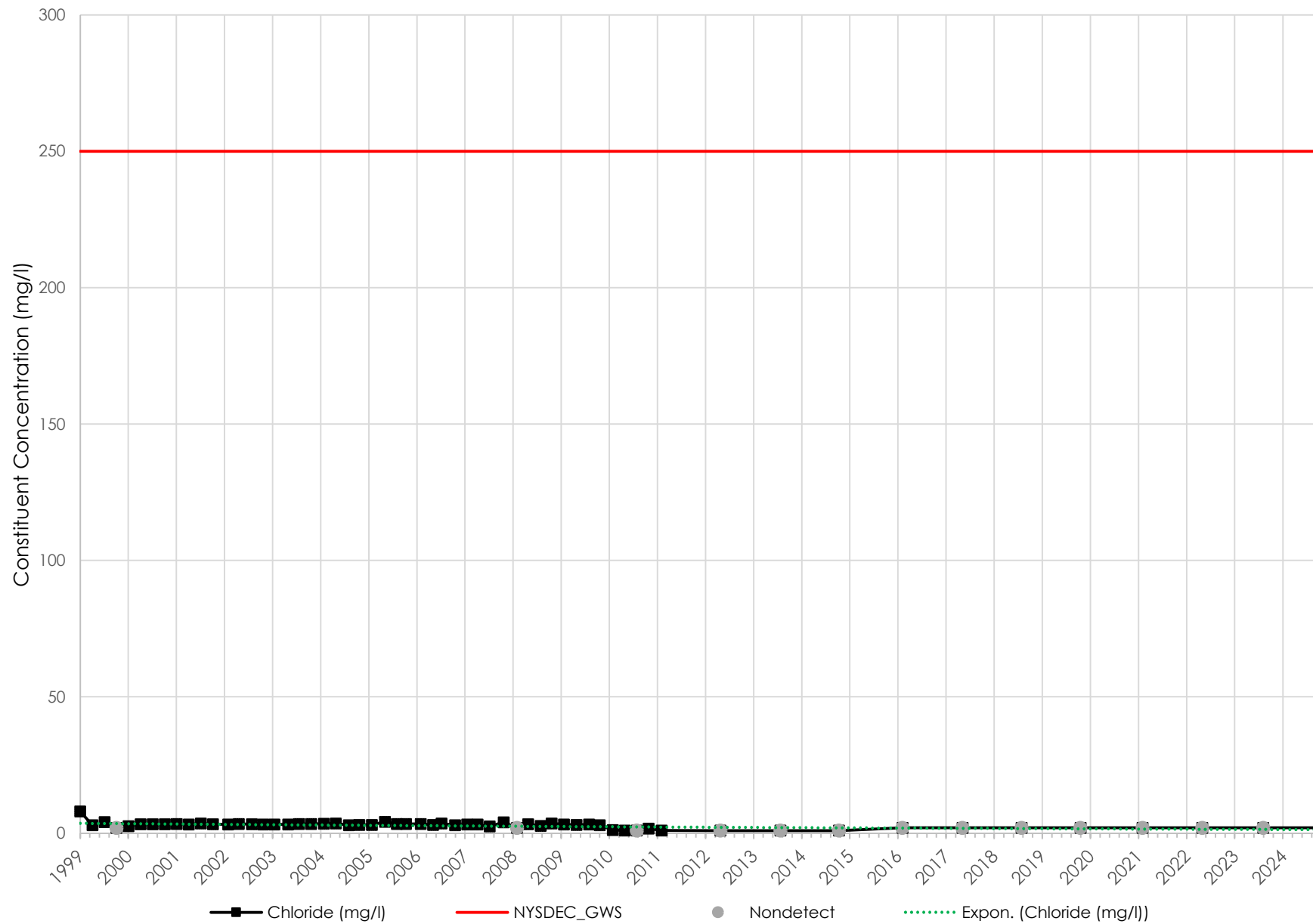
Time-Series MW-9S, Biochemical Oxygen Demand (BOD) (mg/l)



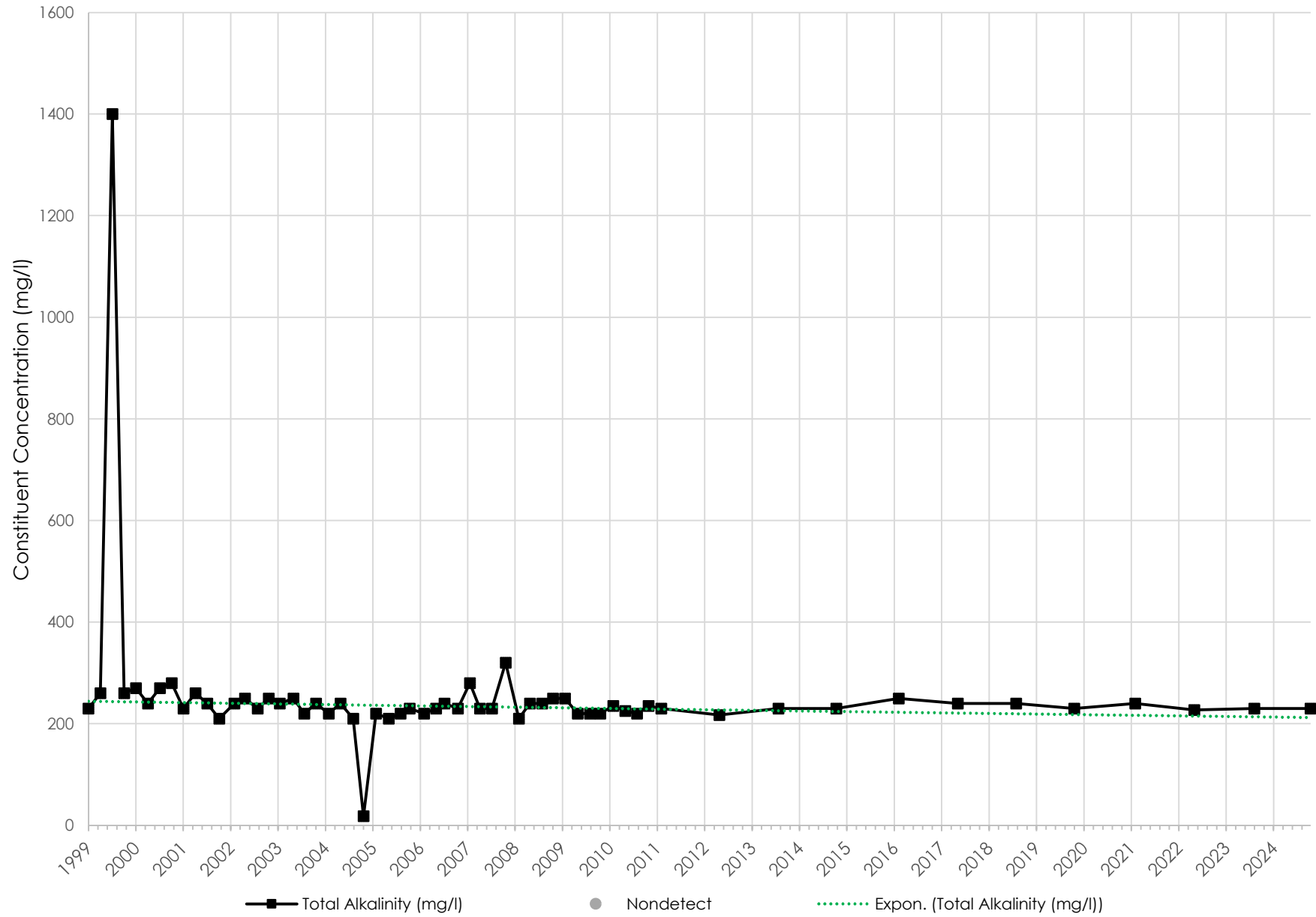
Time-Series MW-9S, Chemical Oxygen Demand (COD) (mg/l)



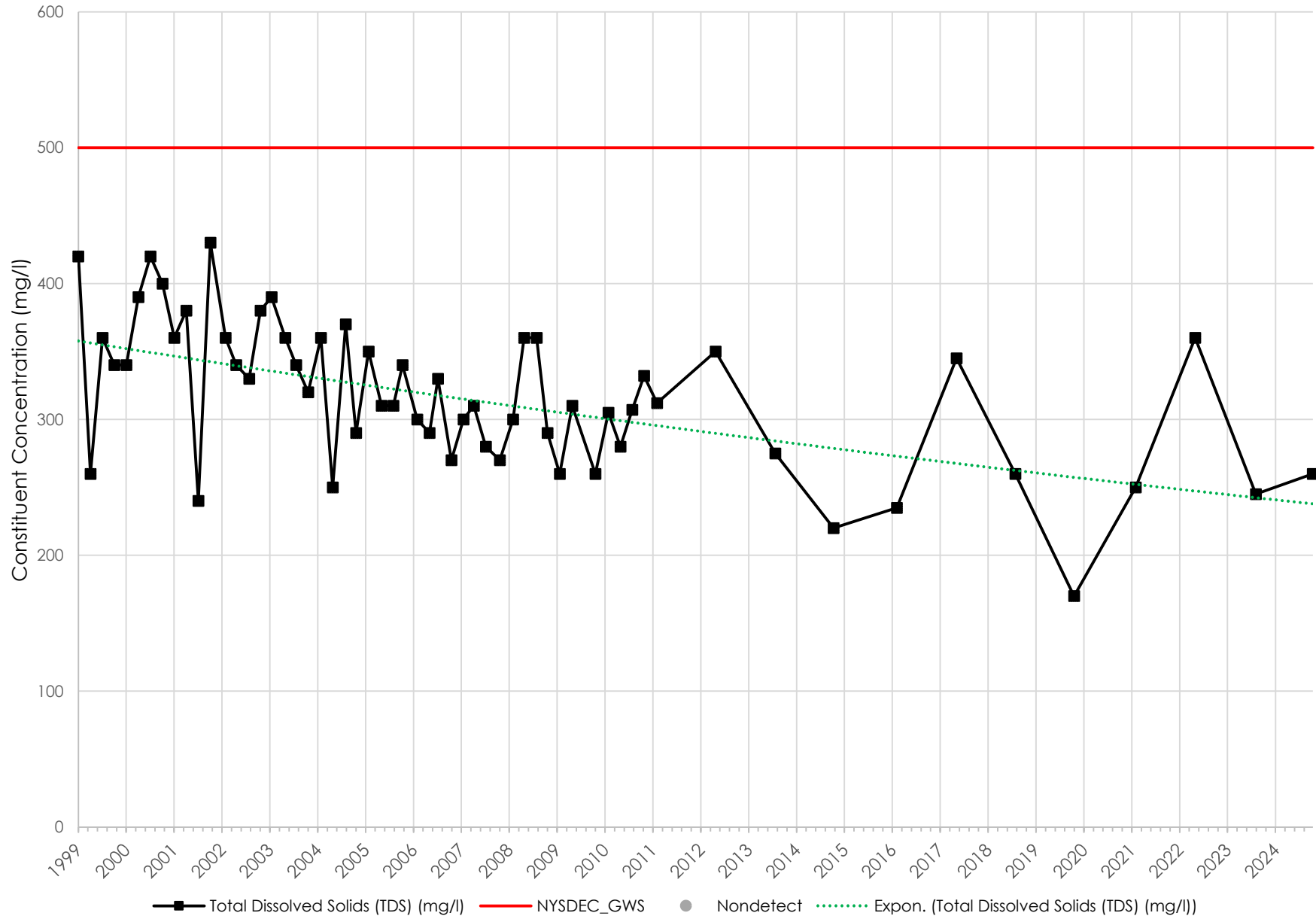
Time-Series MW-9S, Chloride (mg/l)



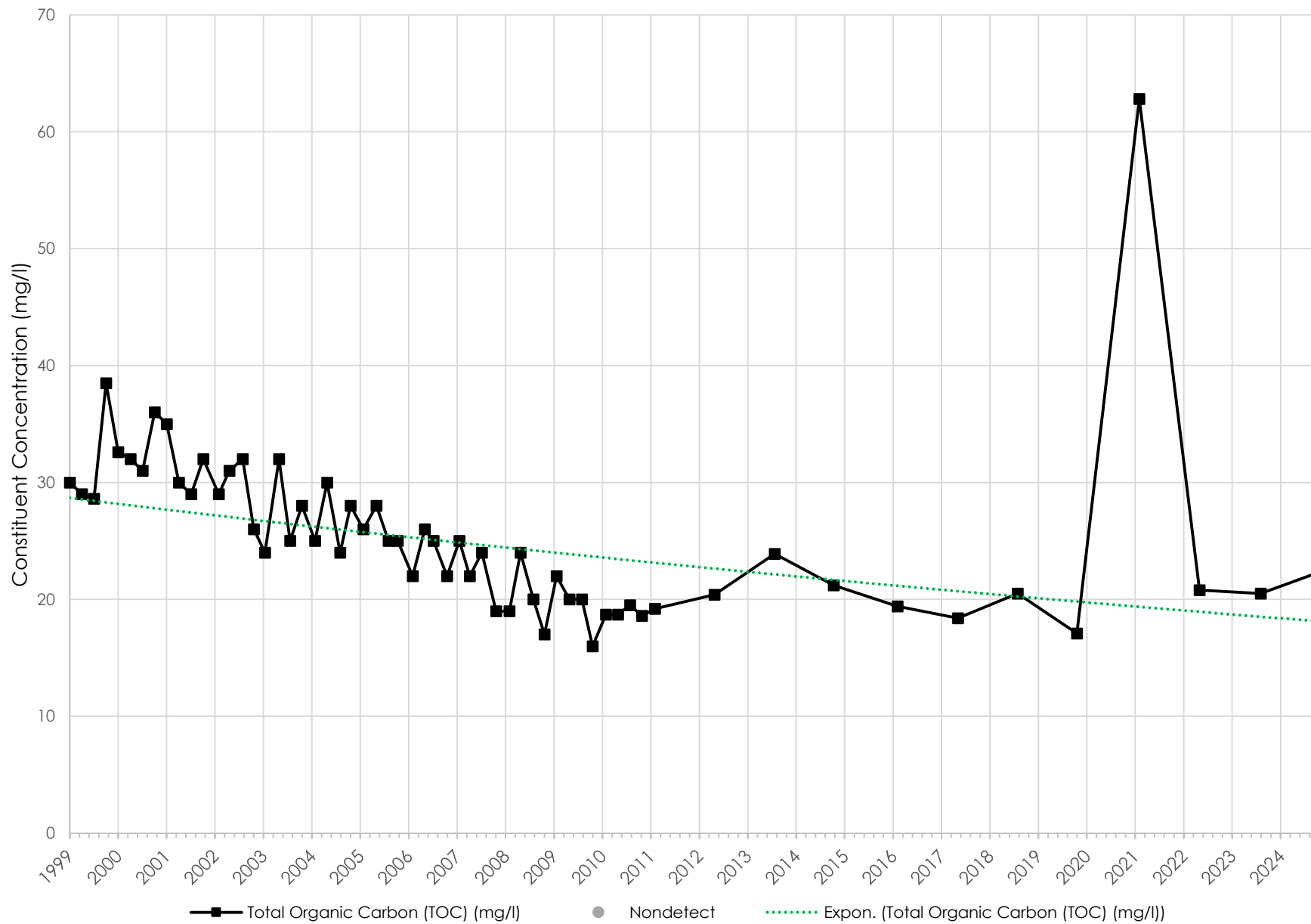
Time-Series MW-9S, Total Alkalinity (mg/l)



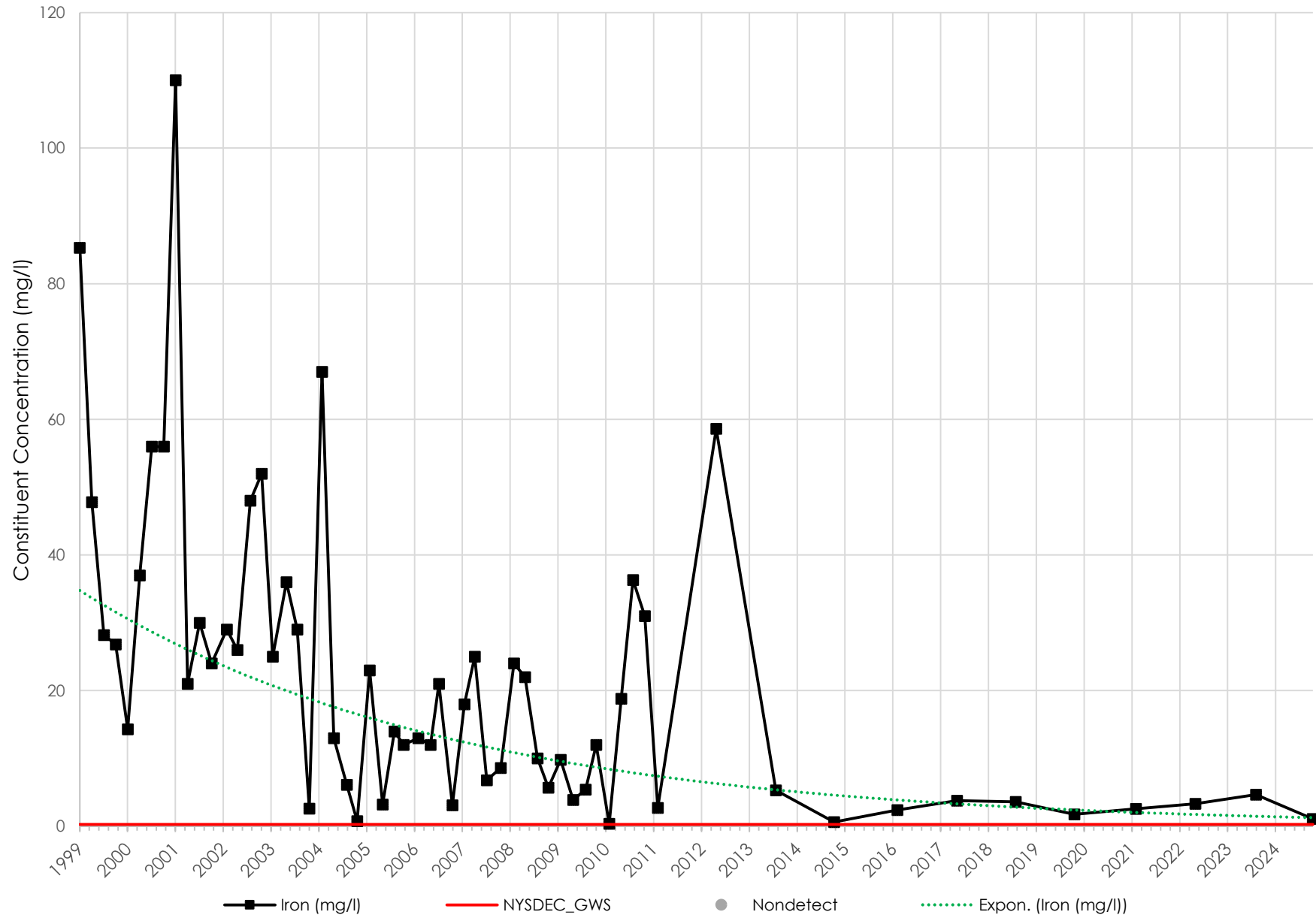
Time-Series MW-9S, Total Dissolved Solids (TDS) (mg/l)



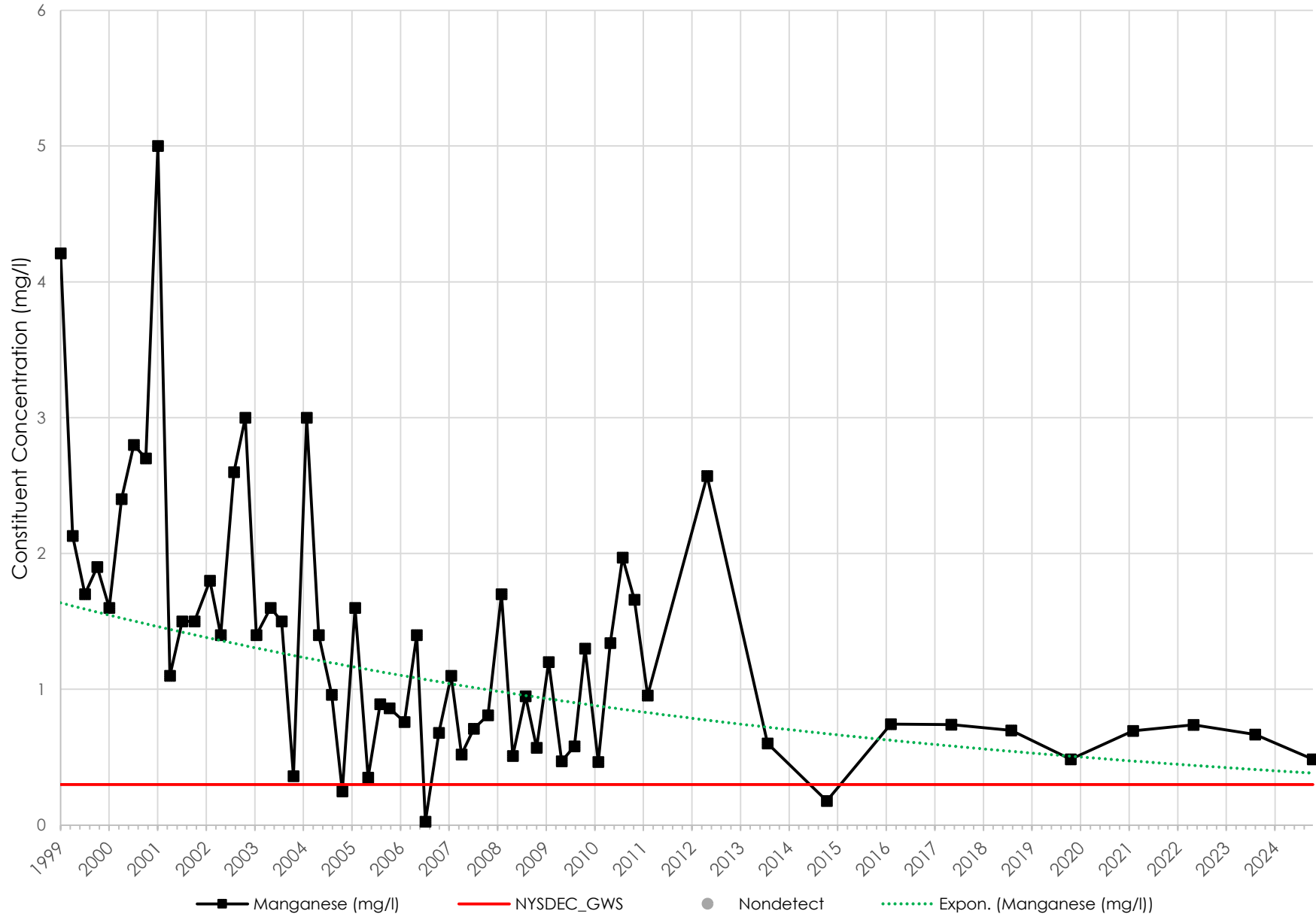
Time-Series MW-9S, Total Organic Carbon (TOC) (mg/l)



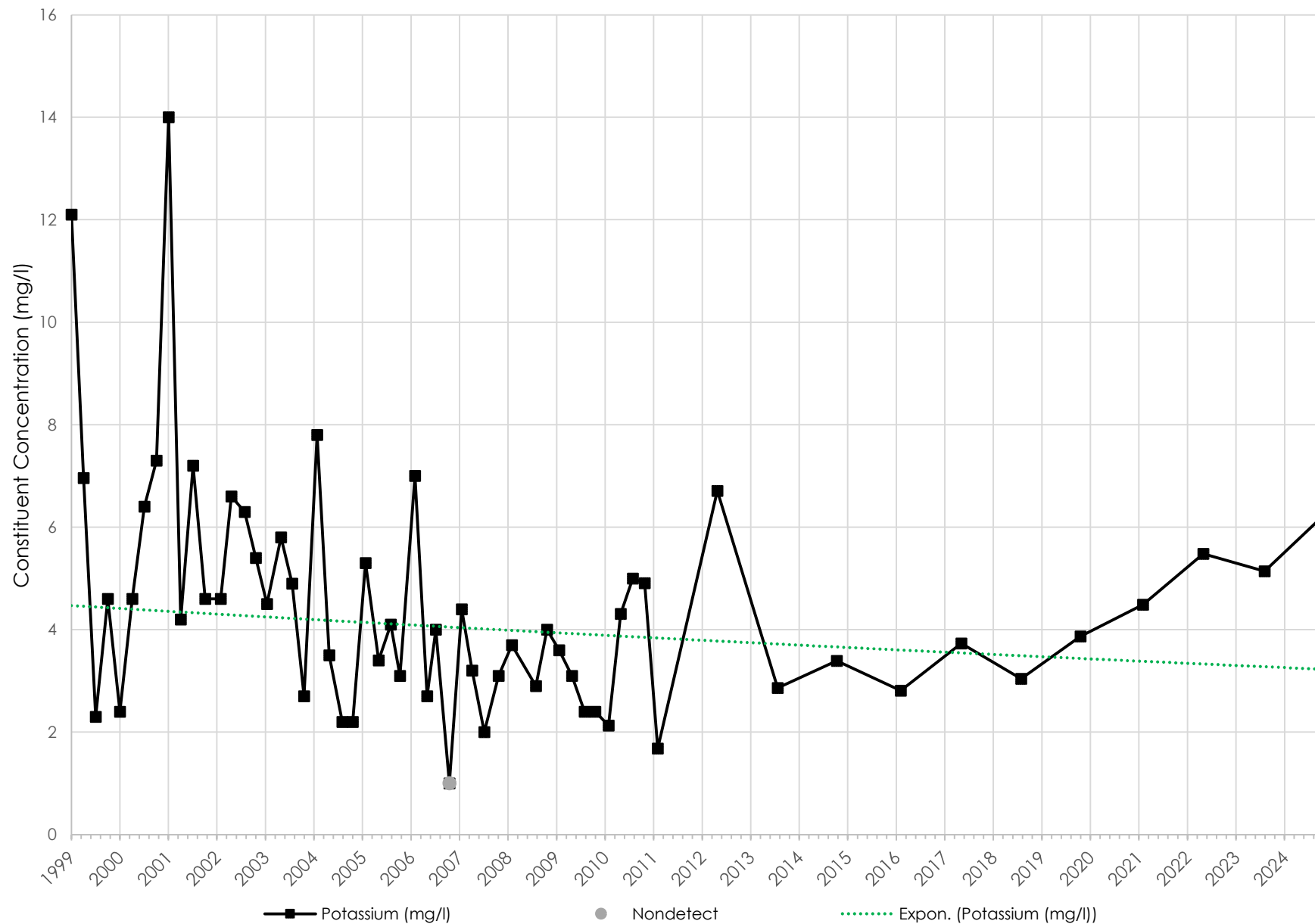
Time-Series MW-9S, Iron (mg/l)



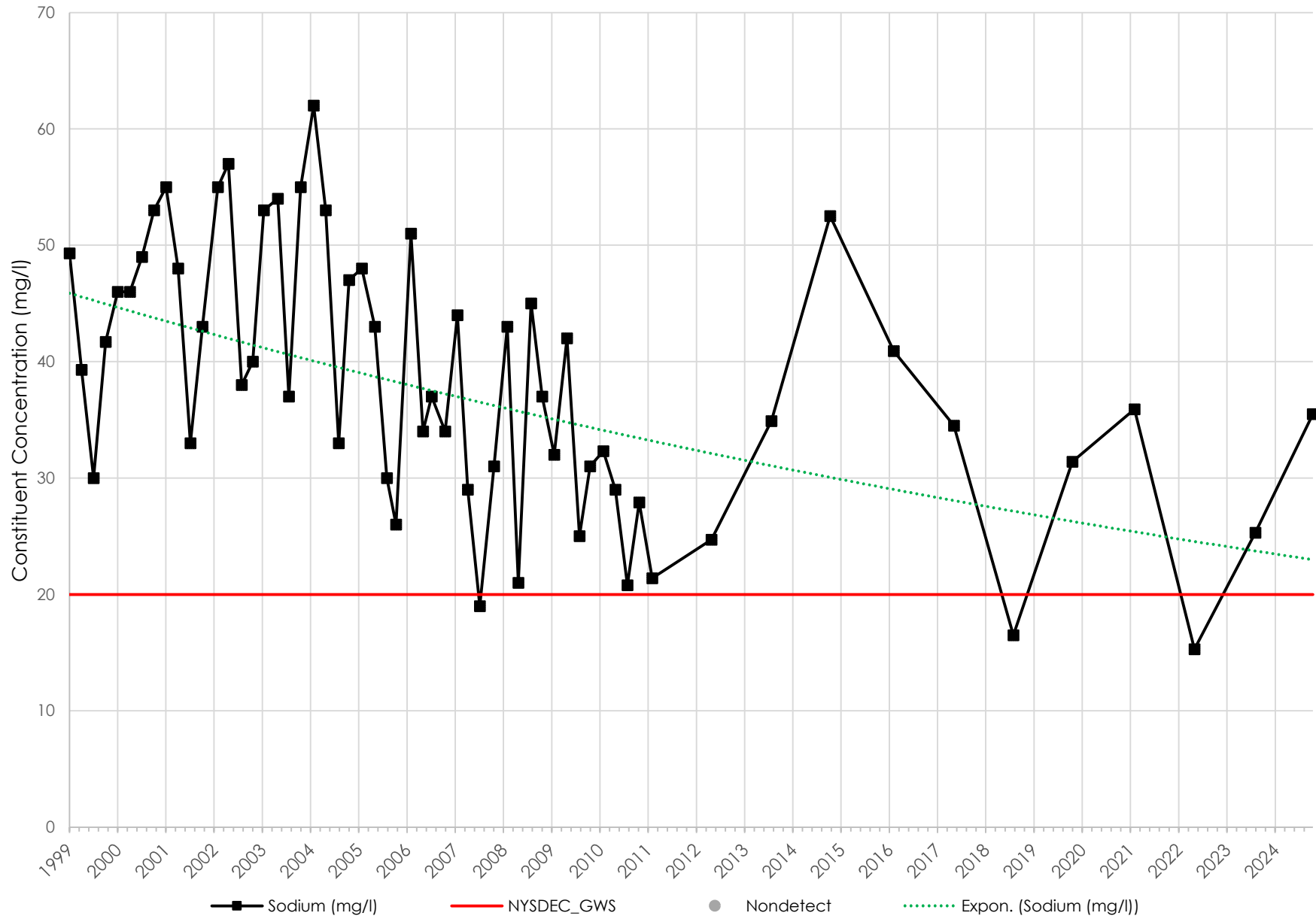
Time-Series MW-9S, Manganese (mg/l)



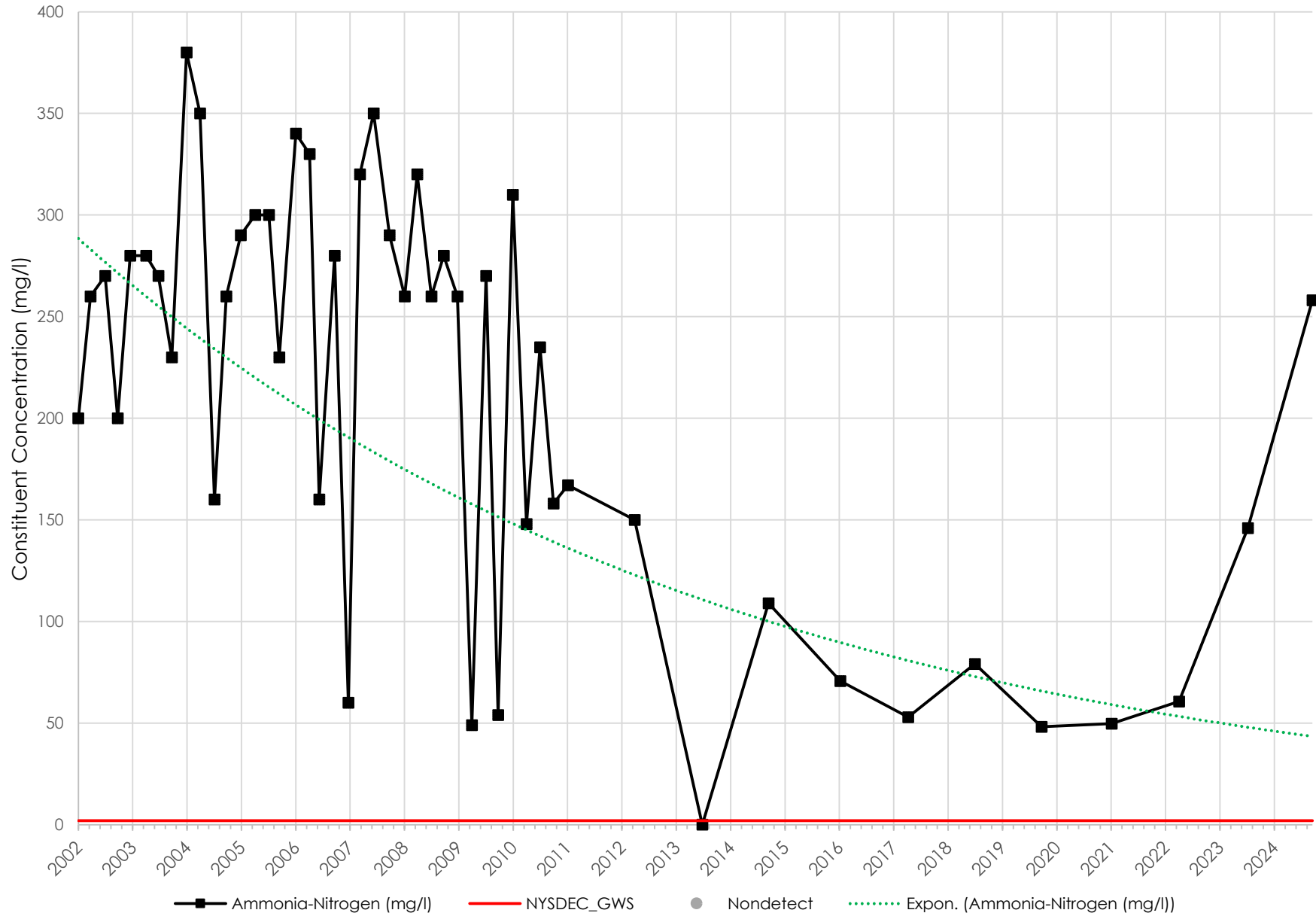
Time-Series MW-9S, Potassium (mg/l)



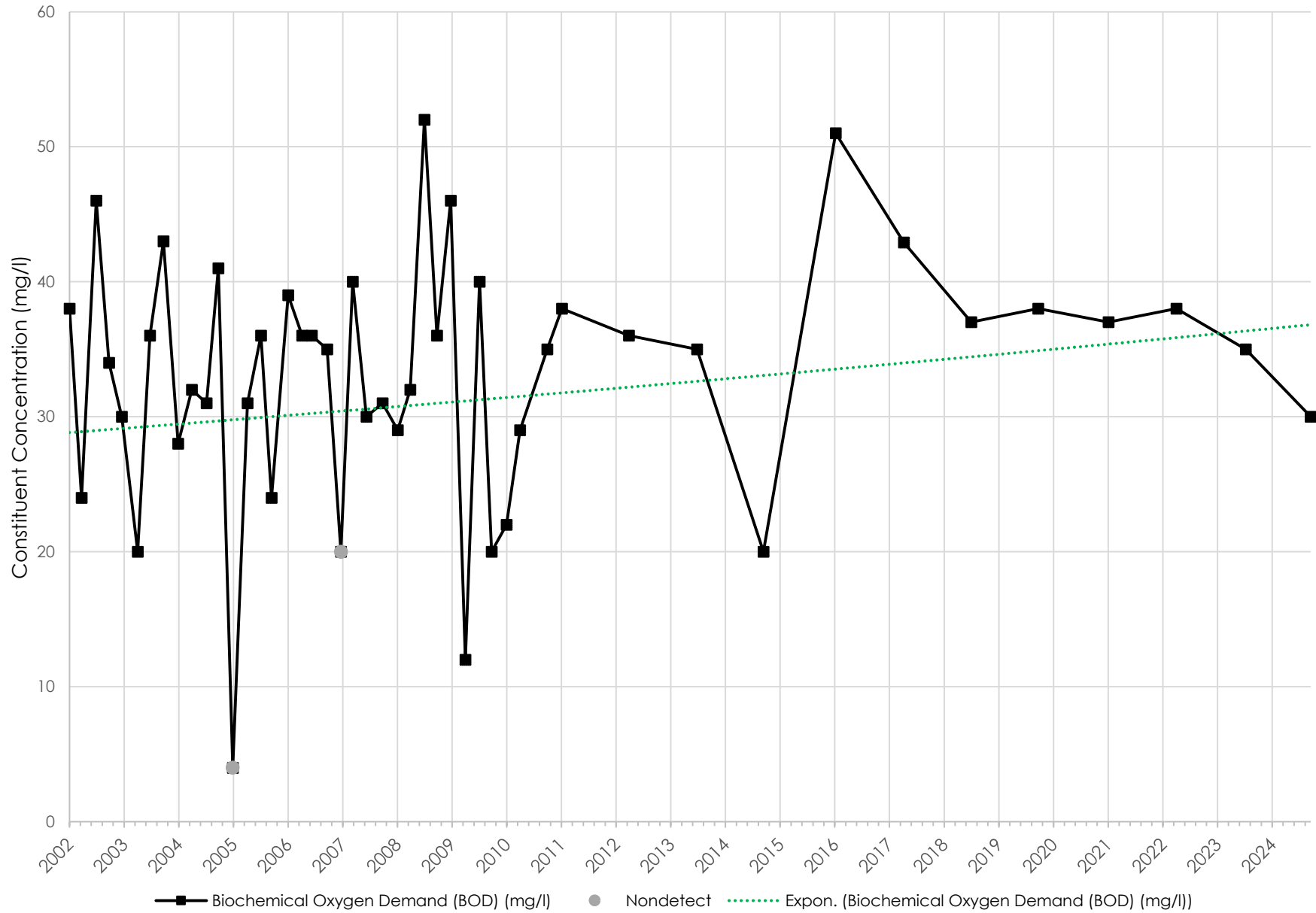
Time-Series MW-9S, Sodium (mg/l)



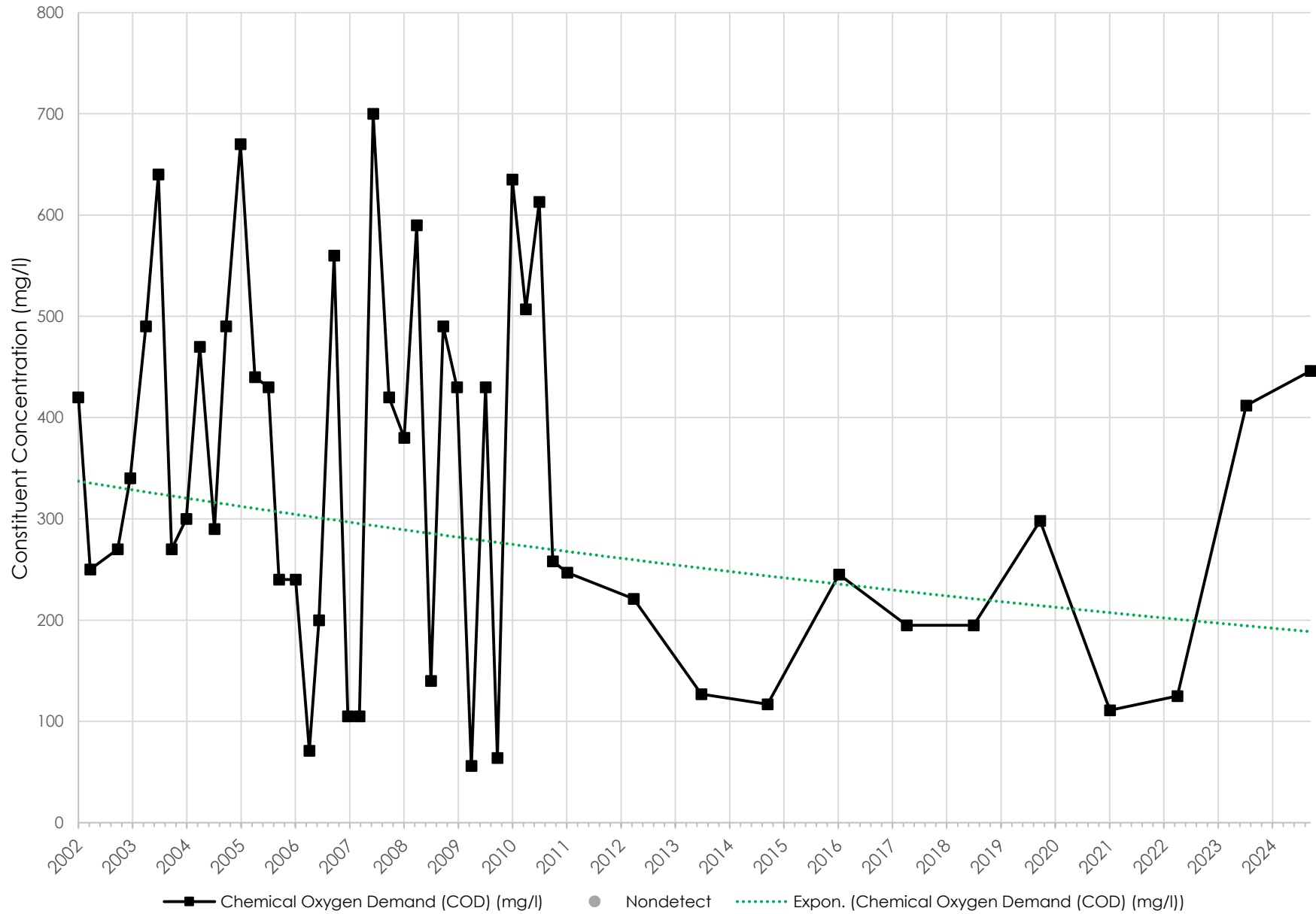
Time-Series MW-10, Ammonia-Nitrogen (mg/l)



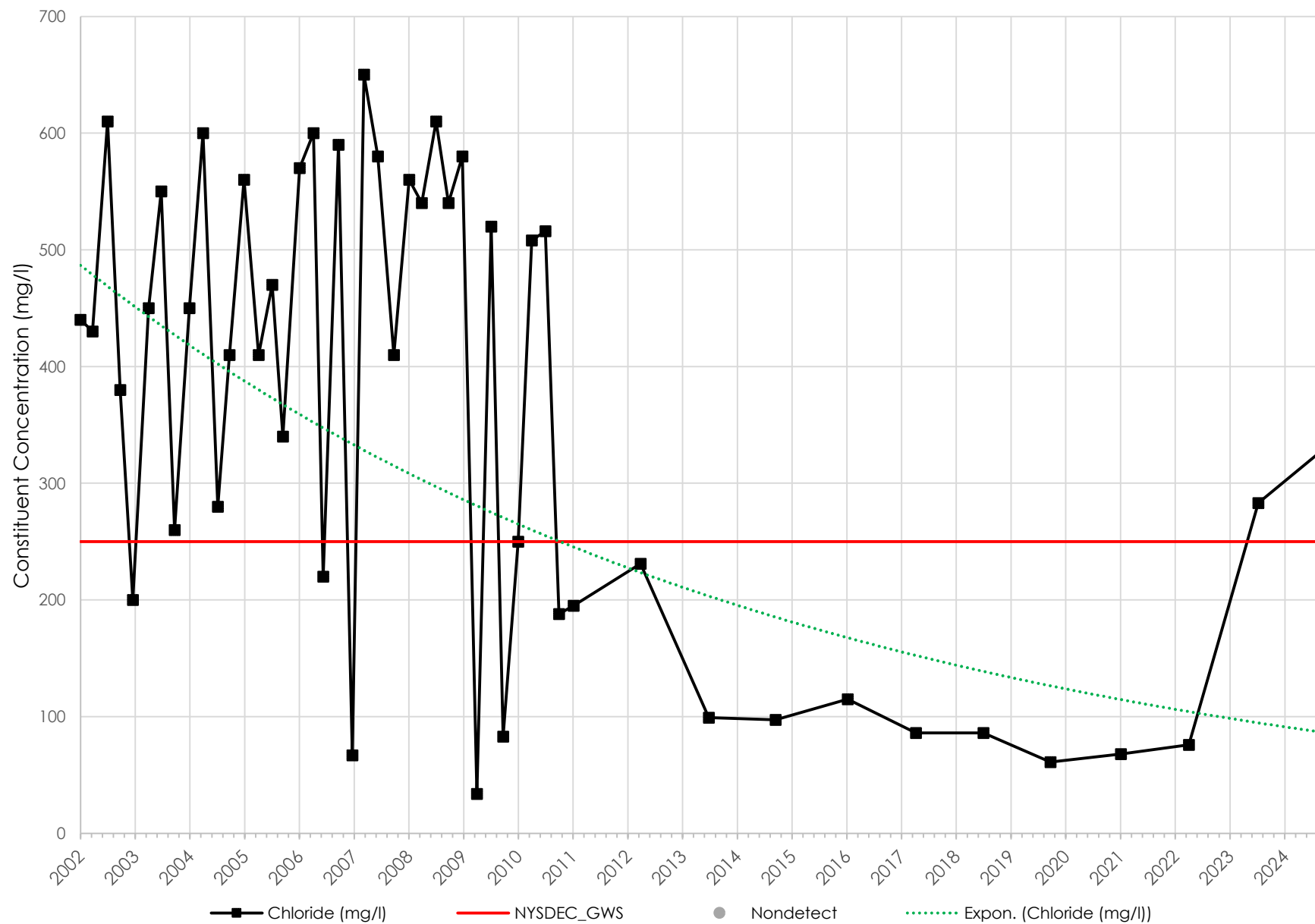
Time-Series MW-10, Biochemical Oxygen Demand (BOD) (mg/l)



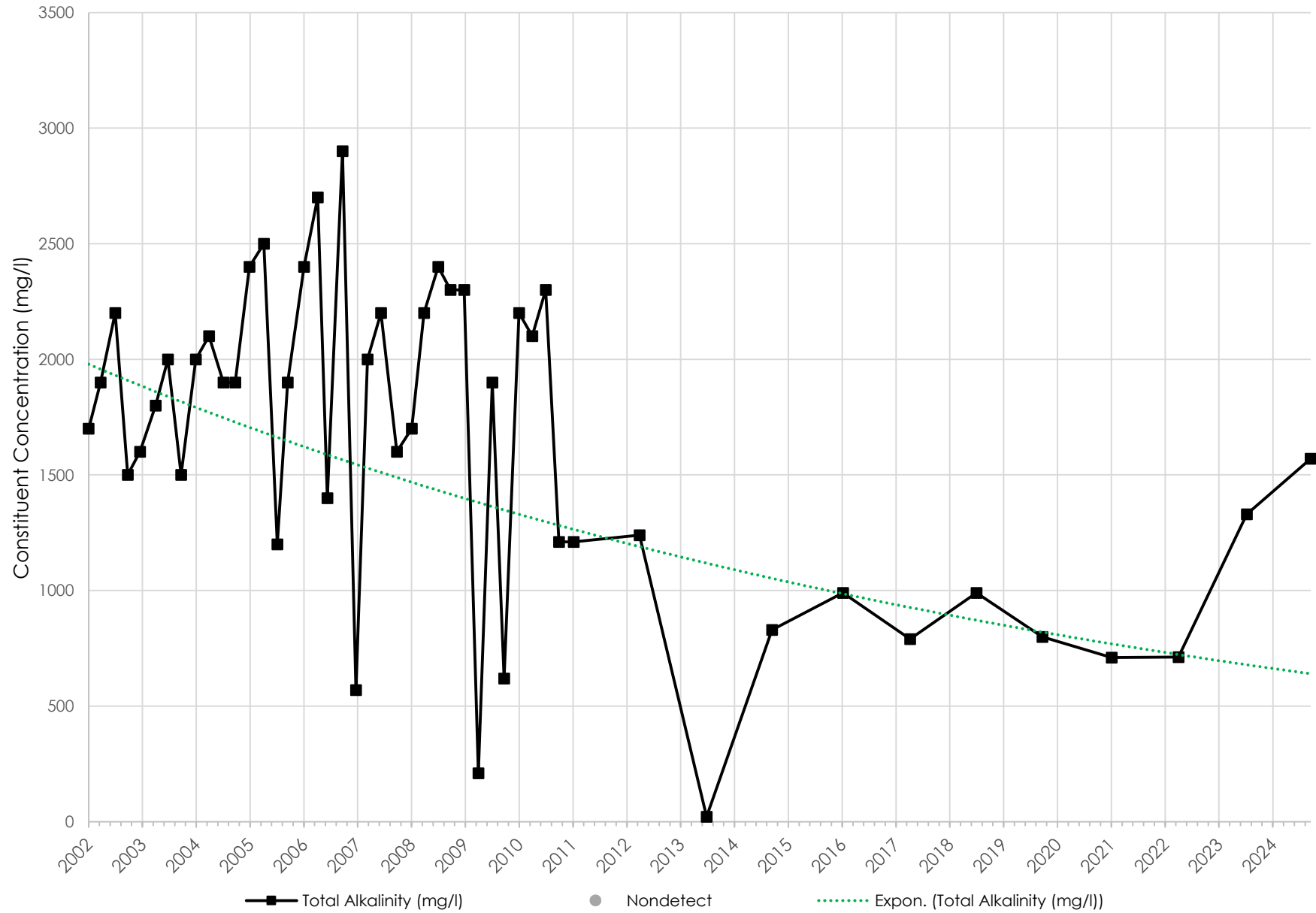
Time-Series MW-10, Chemical Oxygen Demand (COD) (mg/l)



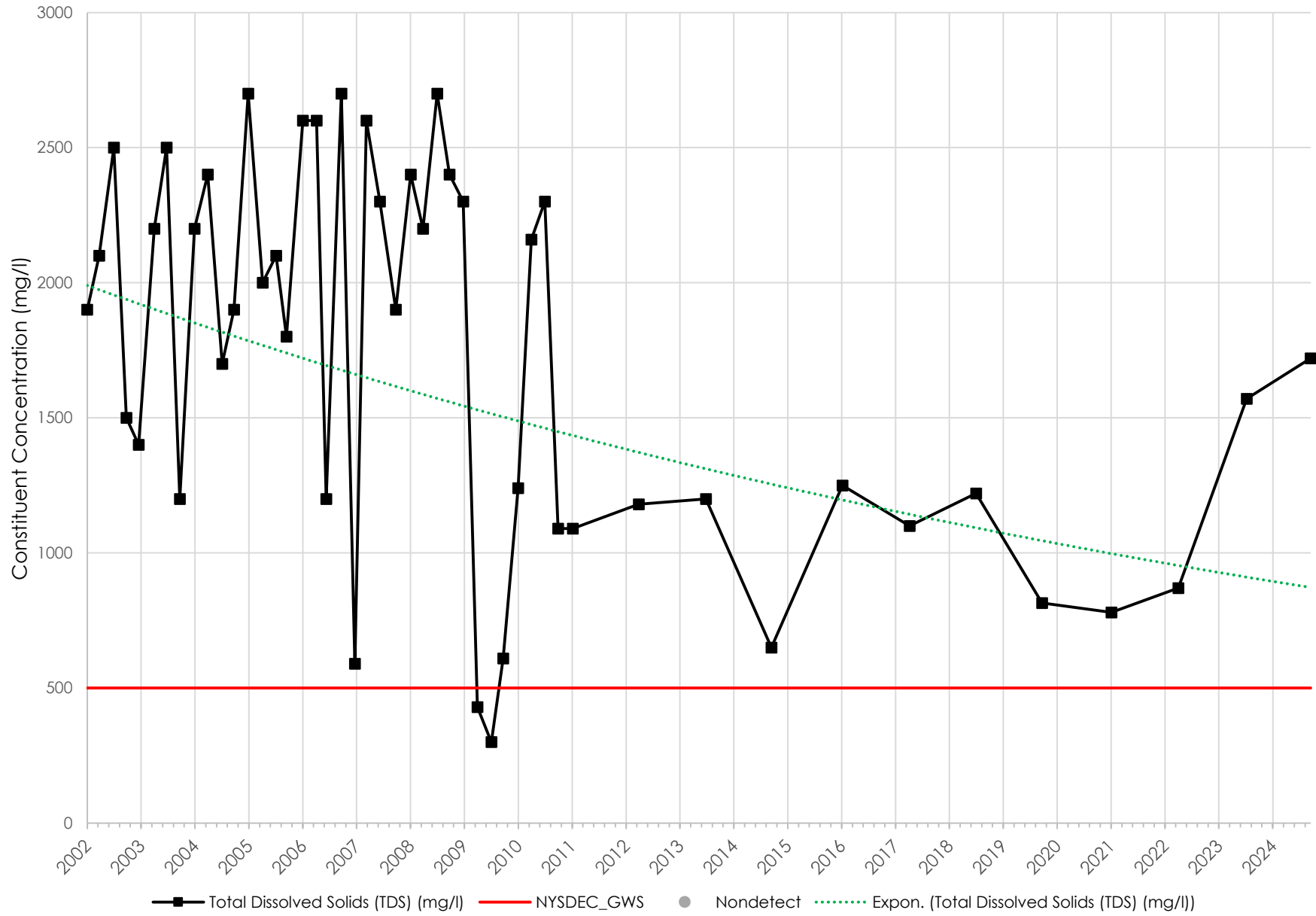
Time-Series MW-10, Chloride (mg/l)



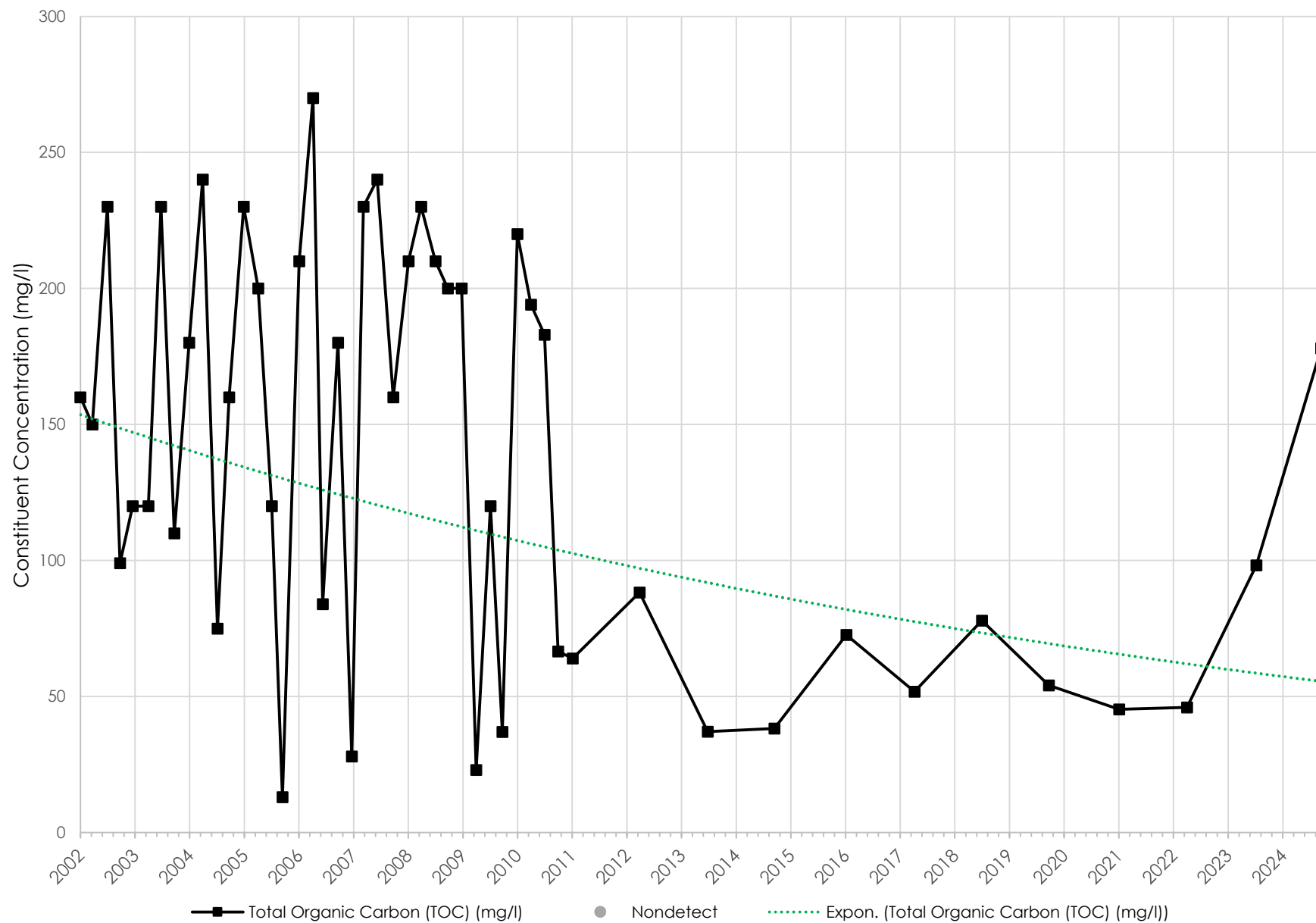
Time-Series MW-10, Total Alkalinity (mg/l)



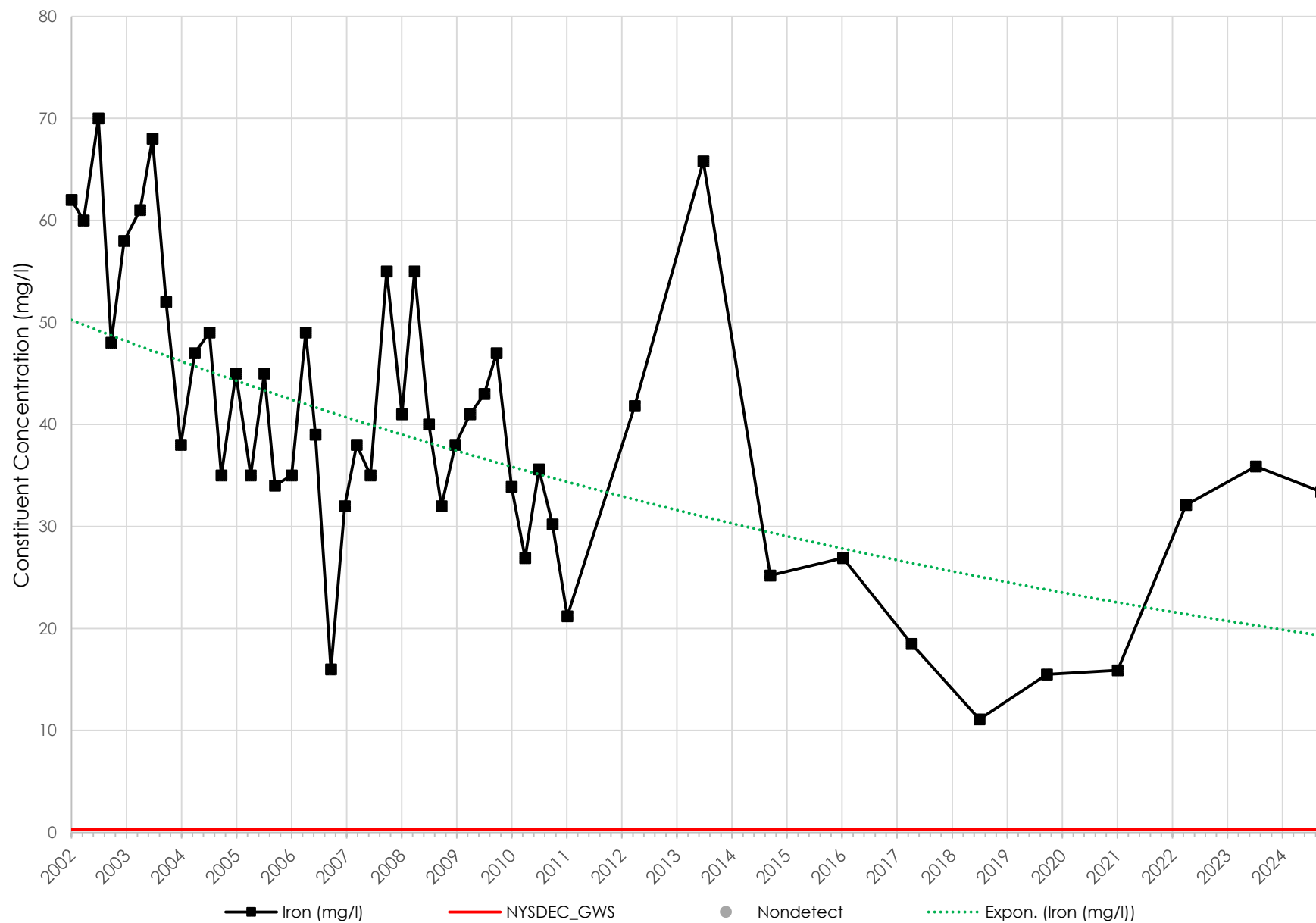
Time-Series MW-10, Total Dissolved Solids (TDS) (mg/l)



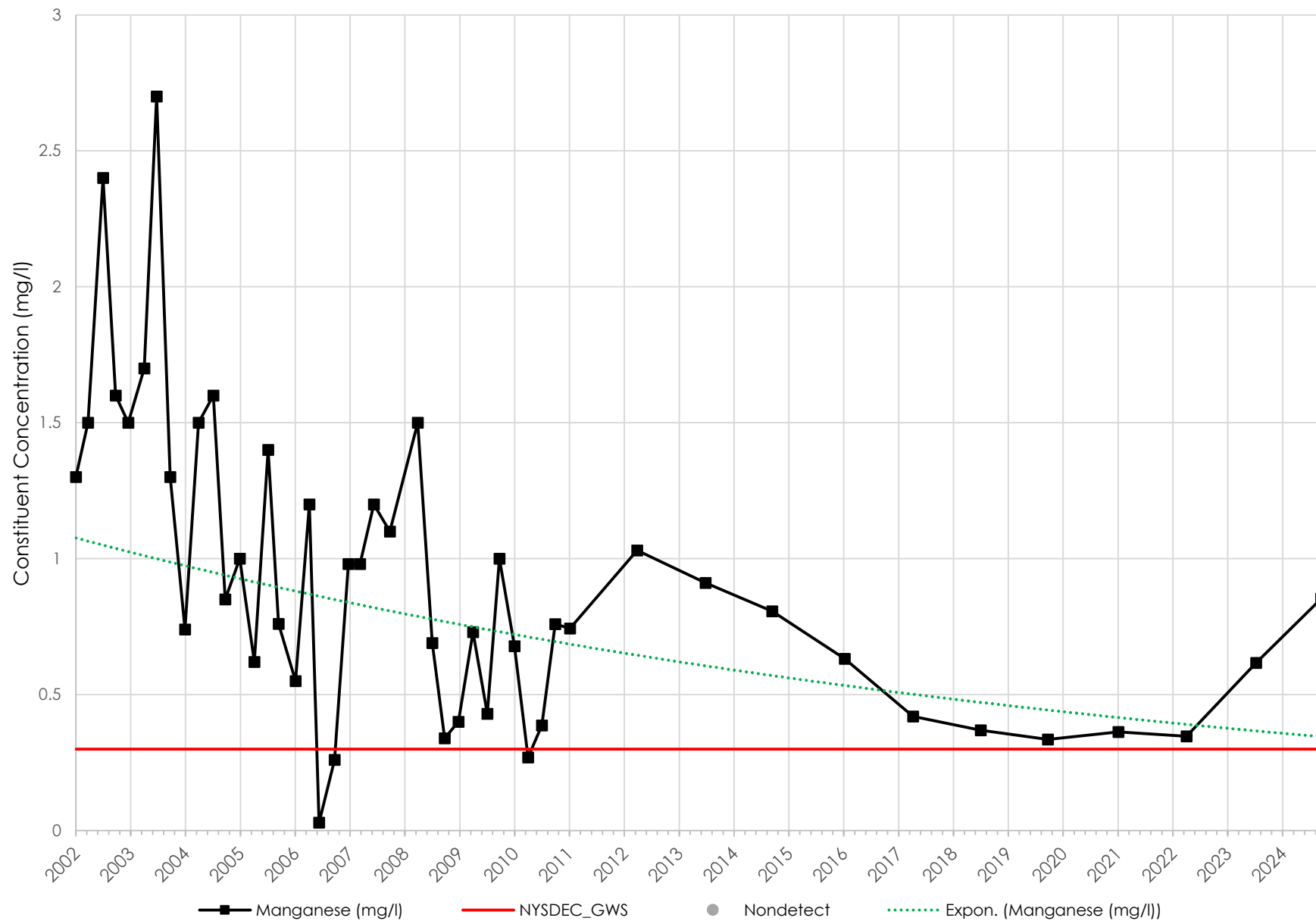
Time-Series MW-10, Total Organic Carbon (TOC) (mg/l)



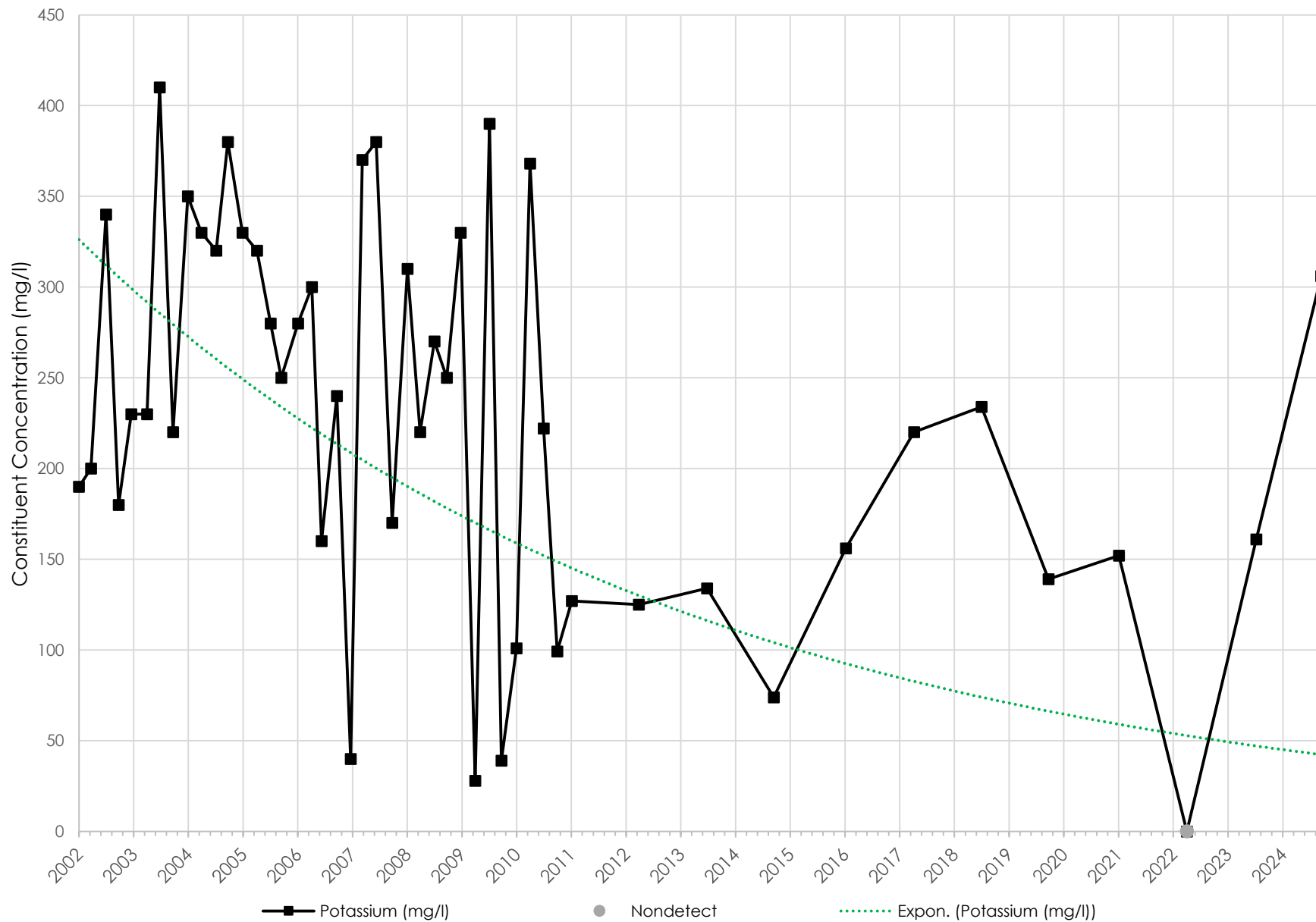
Time-Series MW-10, Iron (mg/l)



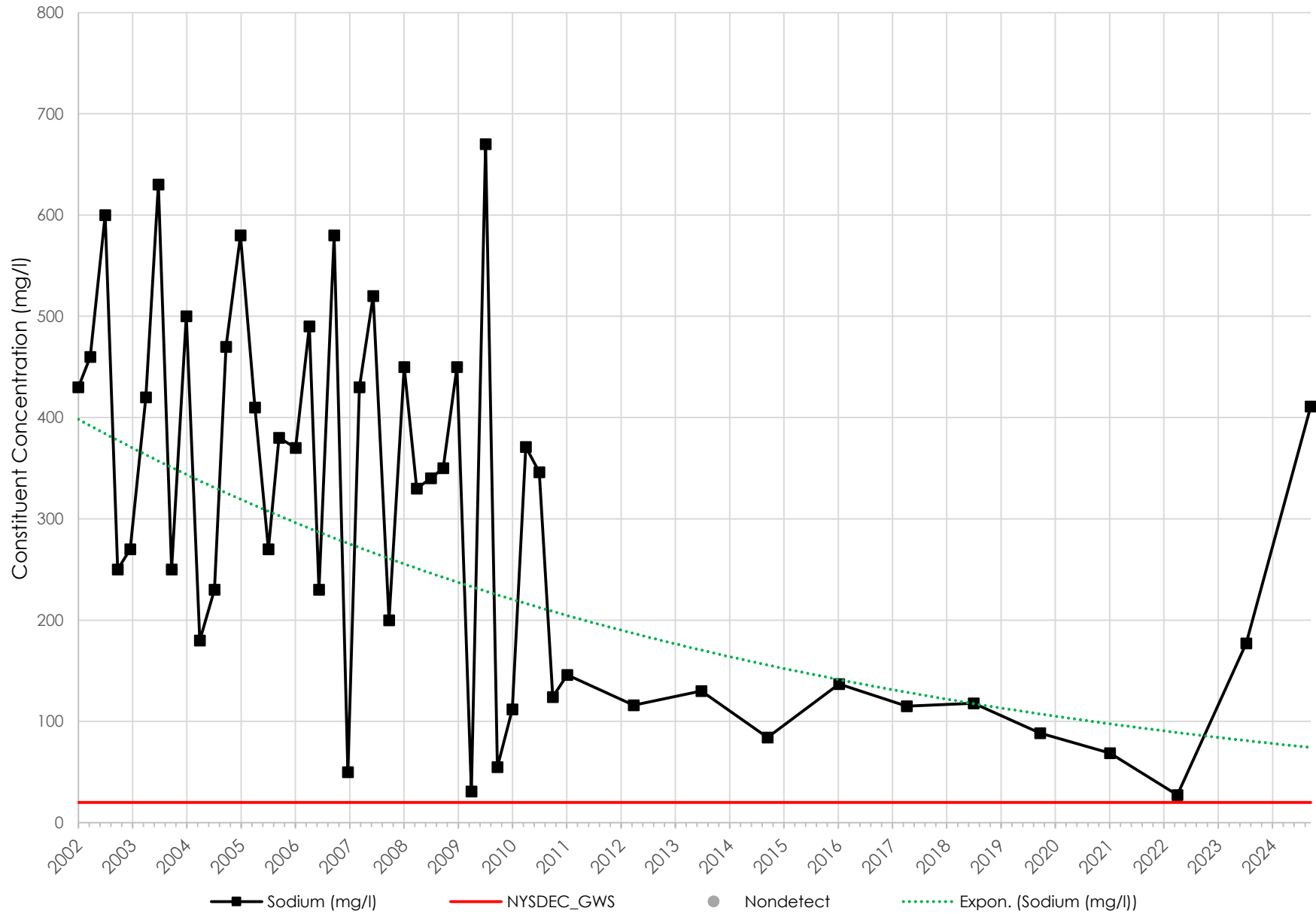
Time-Series MW-10, Manganese (mg/l)



Time-Series MW-10, Potassium (mg/l)



Time-Series MW-10, Sodium (mg/l)



APPENDIX C

MONITORING WELL AND LEACHATE WELL GROUND WATER ELEVATION GRAPHS

HISTORICAL WATER LEVEL ELEVATIONS MW-2S COMPARED TO LMW 10 & LMW 11

456

454

452

450

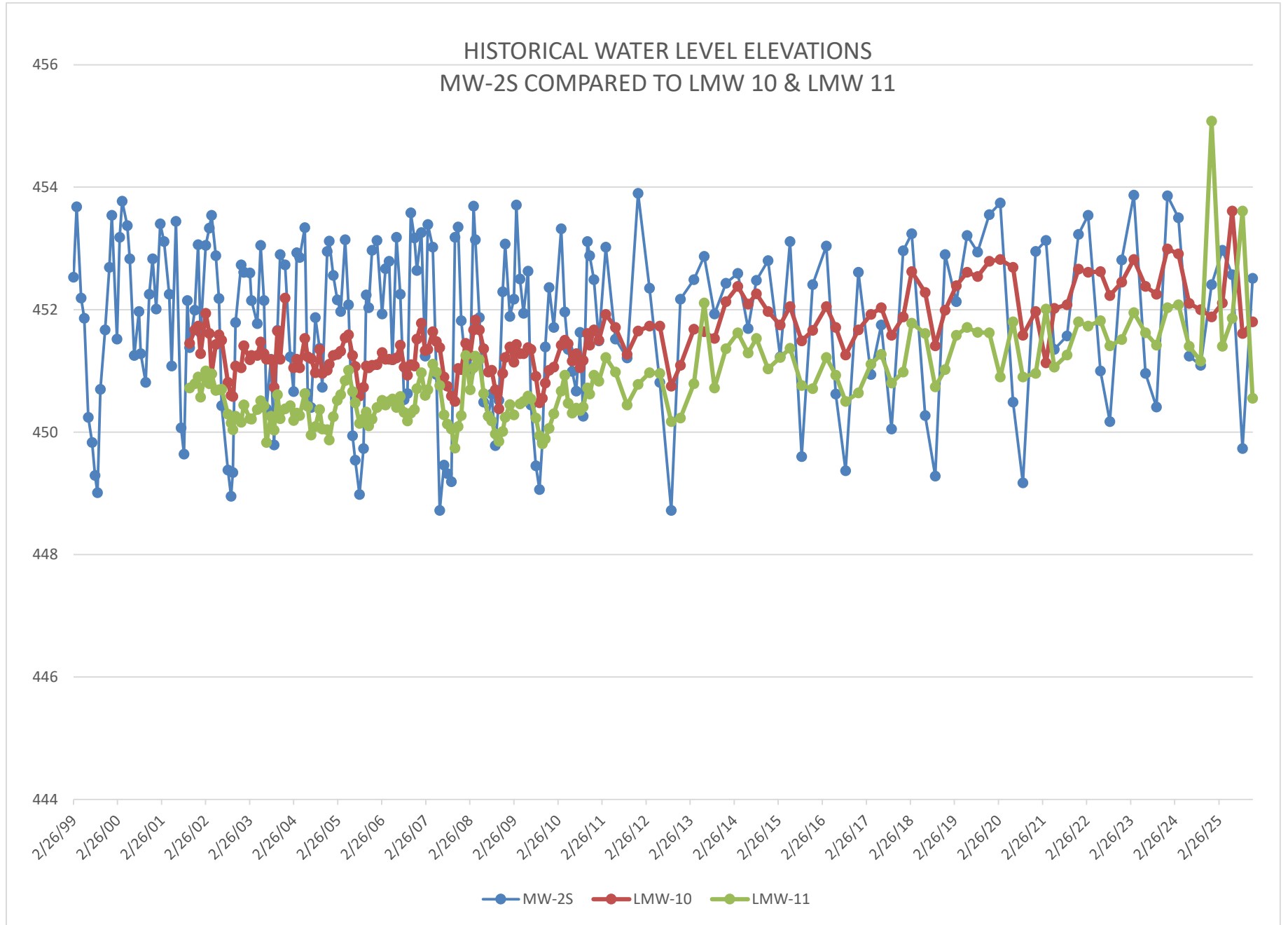
448

446

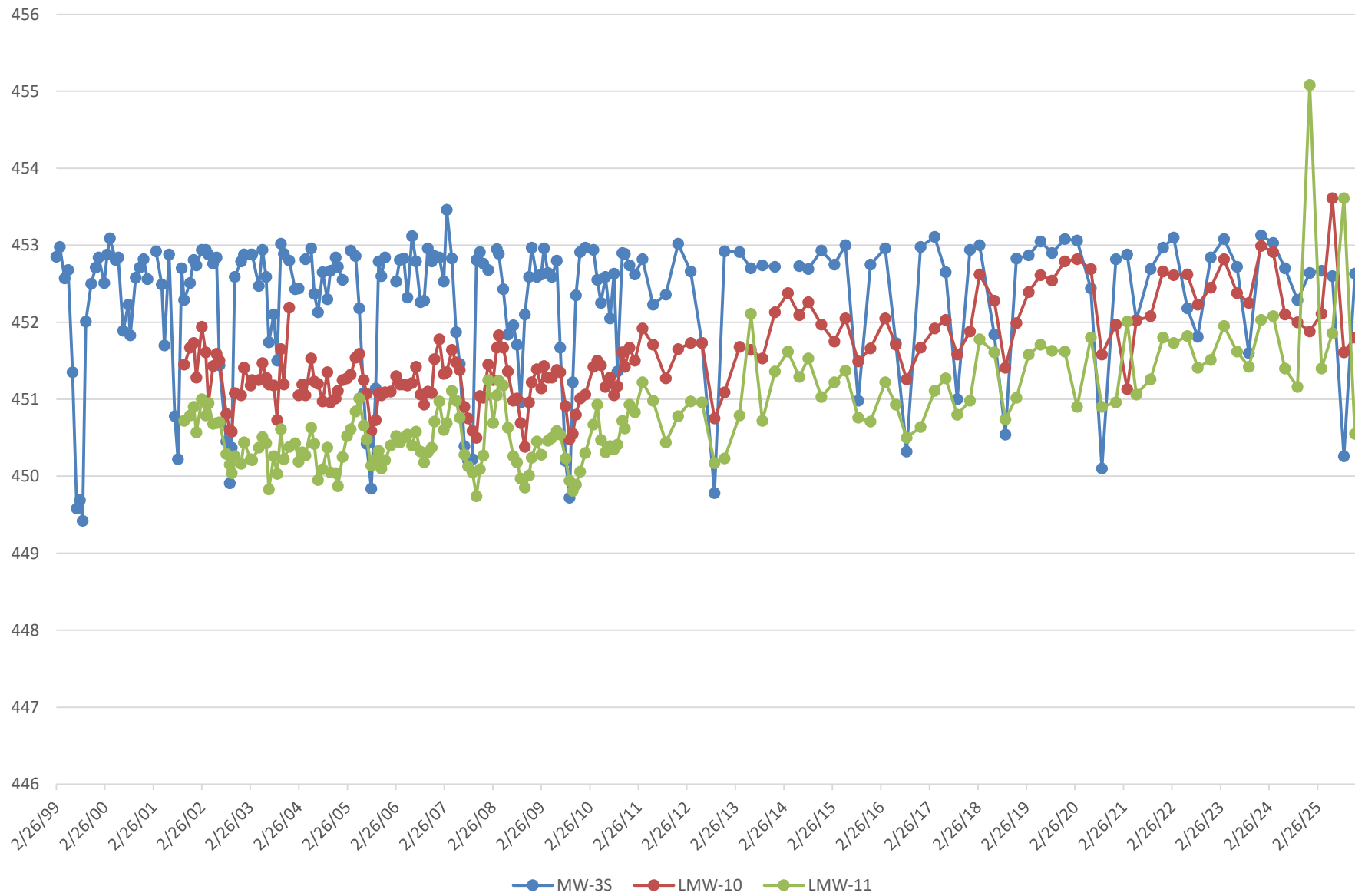
444

2/26/99 2/26/00 2/26/01 2/26/02 2/26/03 2/26/04 2/26/05 2/26/06 2/26/07 2/26/08 2/26/09 2/26/10 2/26/11 2/26/12 2/26/13 2/26/14 2/26/15 2/26/16 2/26/17 2/26/18 2/26/19 2/26/20 2/26/21 2/26/22 2/26/23 2/26/24 2/26/25

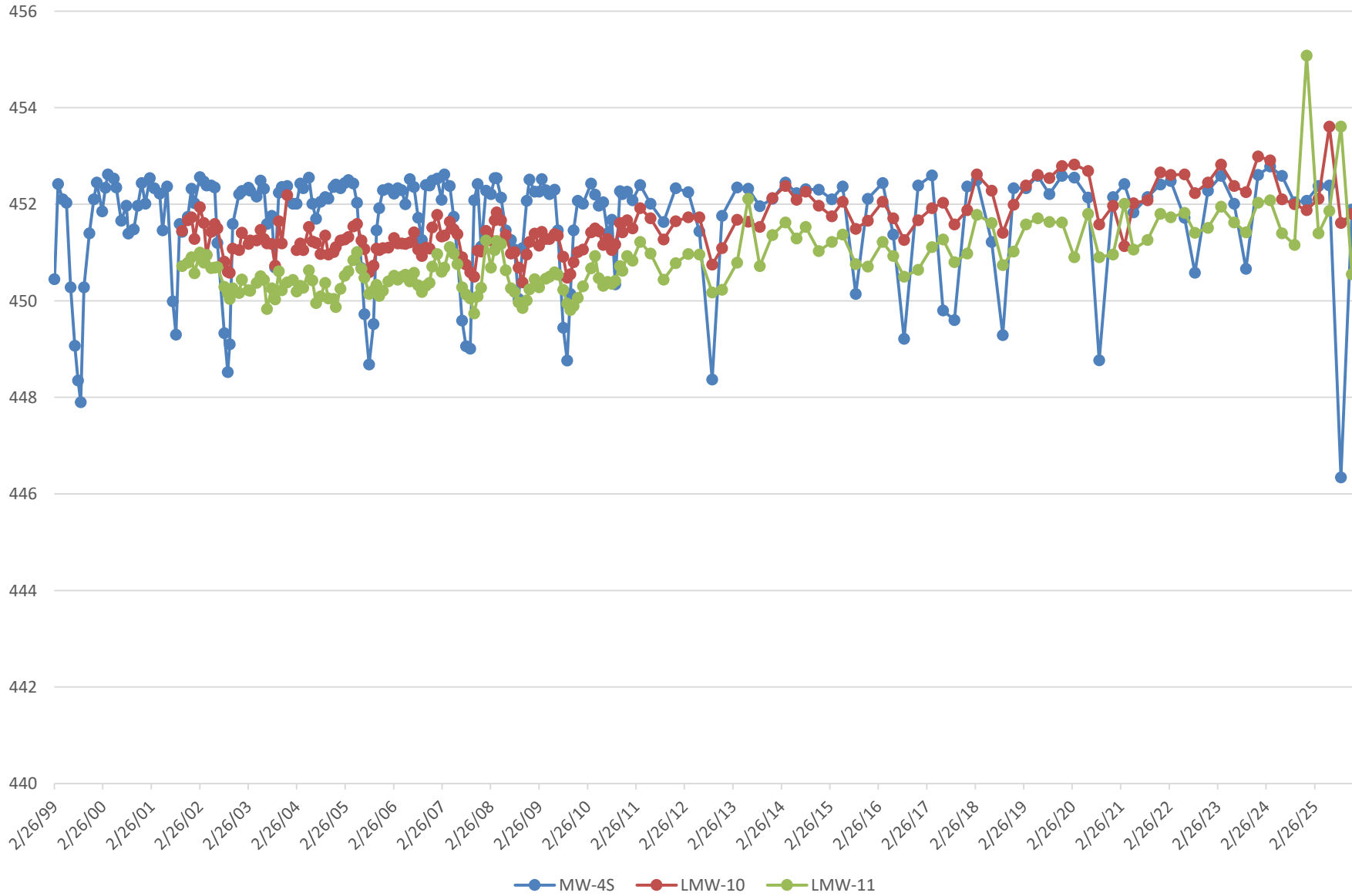
MW-2S LMW-10 LMW-11



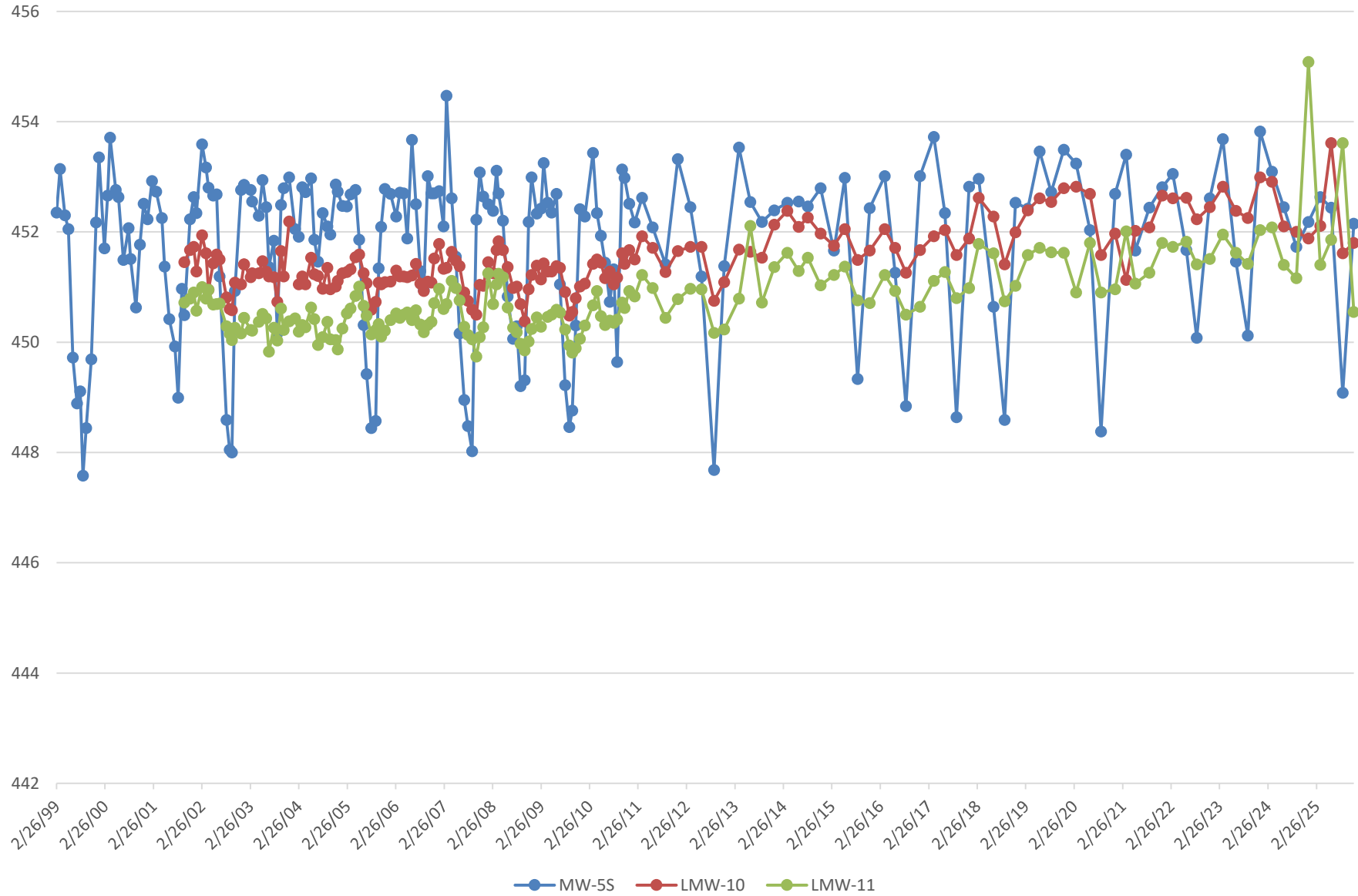
HISTORICAL WATER LEVEL ELEVATIONS MW3S COMPARED TO LMW10 AND LMW 11



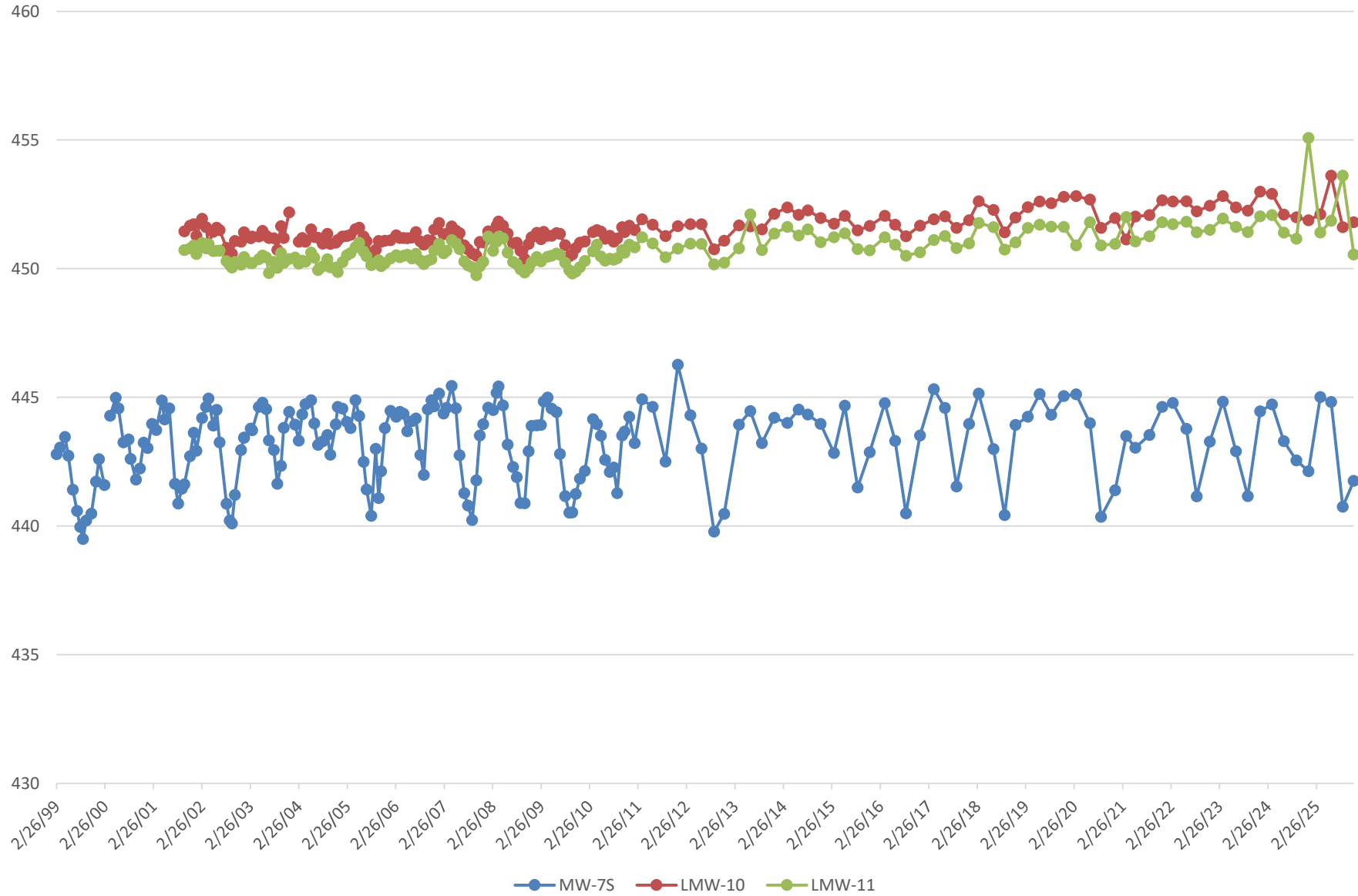
HISTORICAL WATER LEVEL ELEVATIONS MW4S COMPARED TO LMW 10 & LMW 11



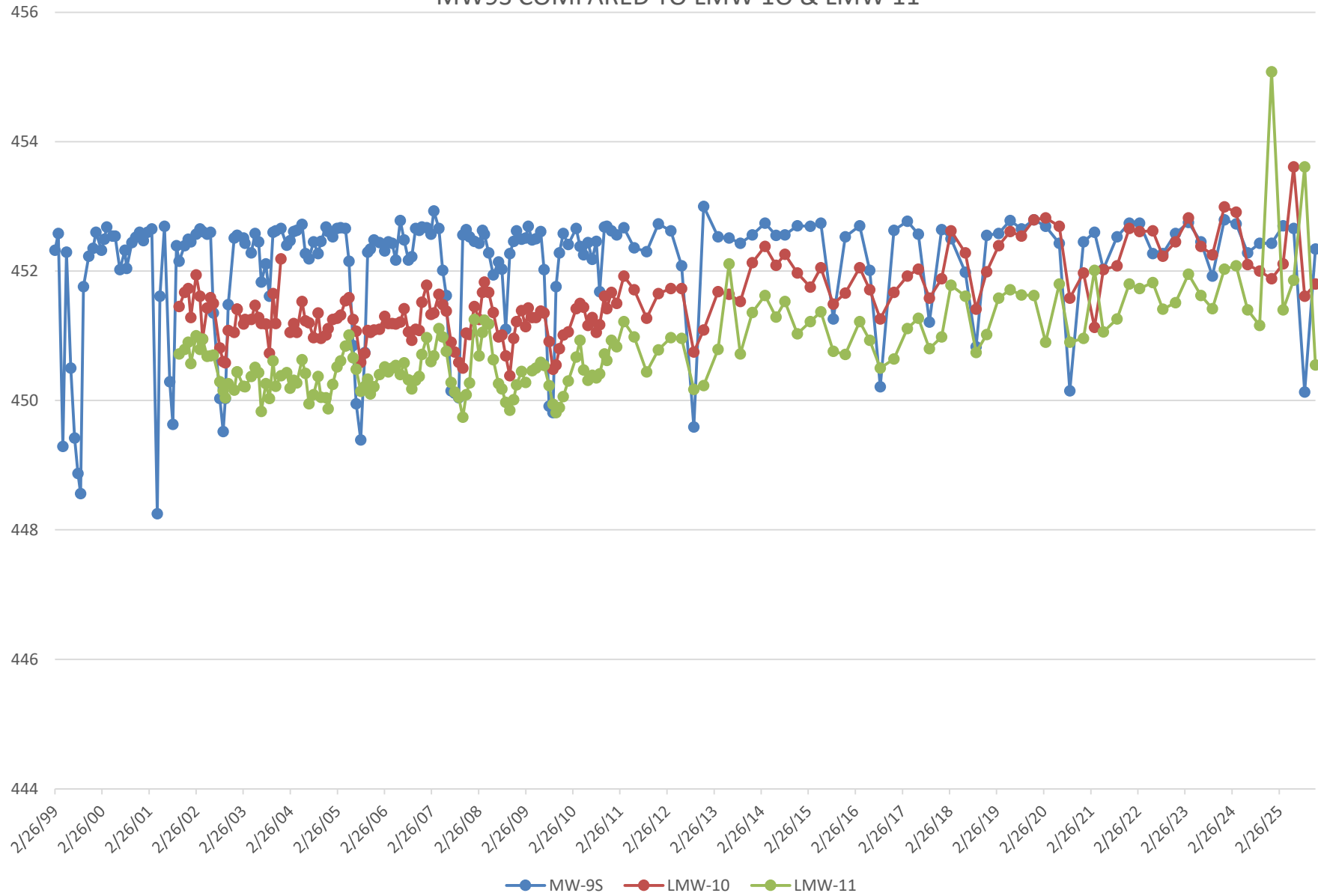
HISTORICAL WATER WELL ELEVATIONS MW5S COMPARED TO LMW 10 & LMW 11



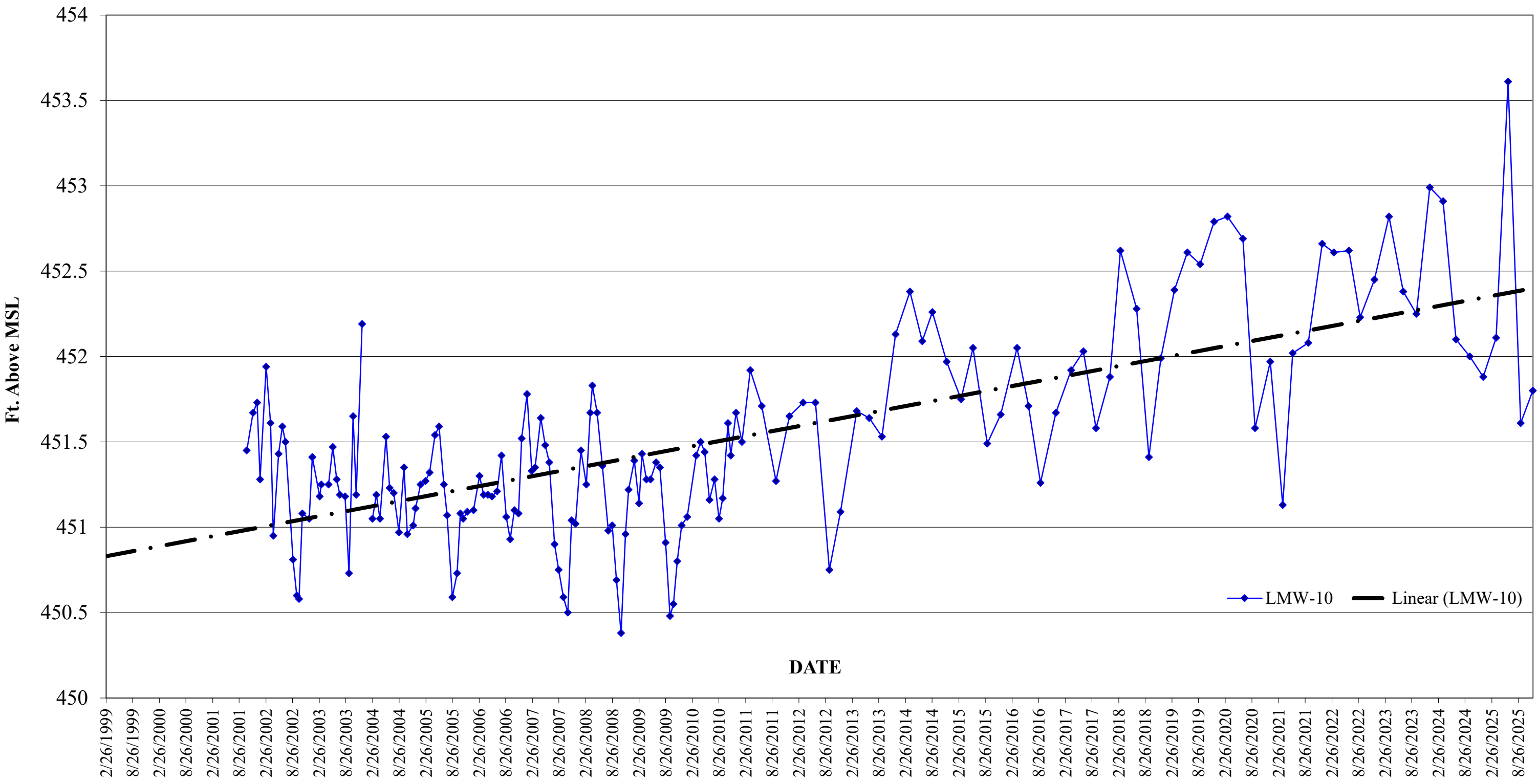
HISTORICAL WATER LEVEL ELEVATIONS MW7S COMPARED TO LMW 10 & LMW 11



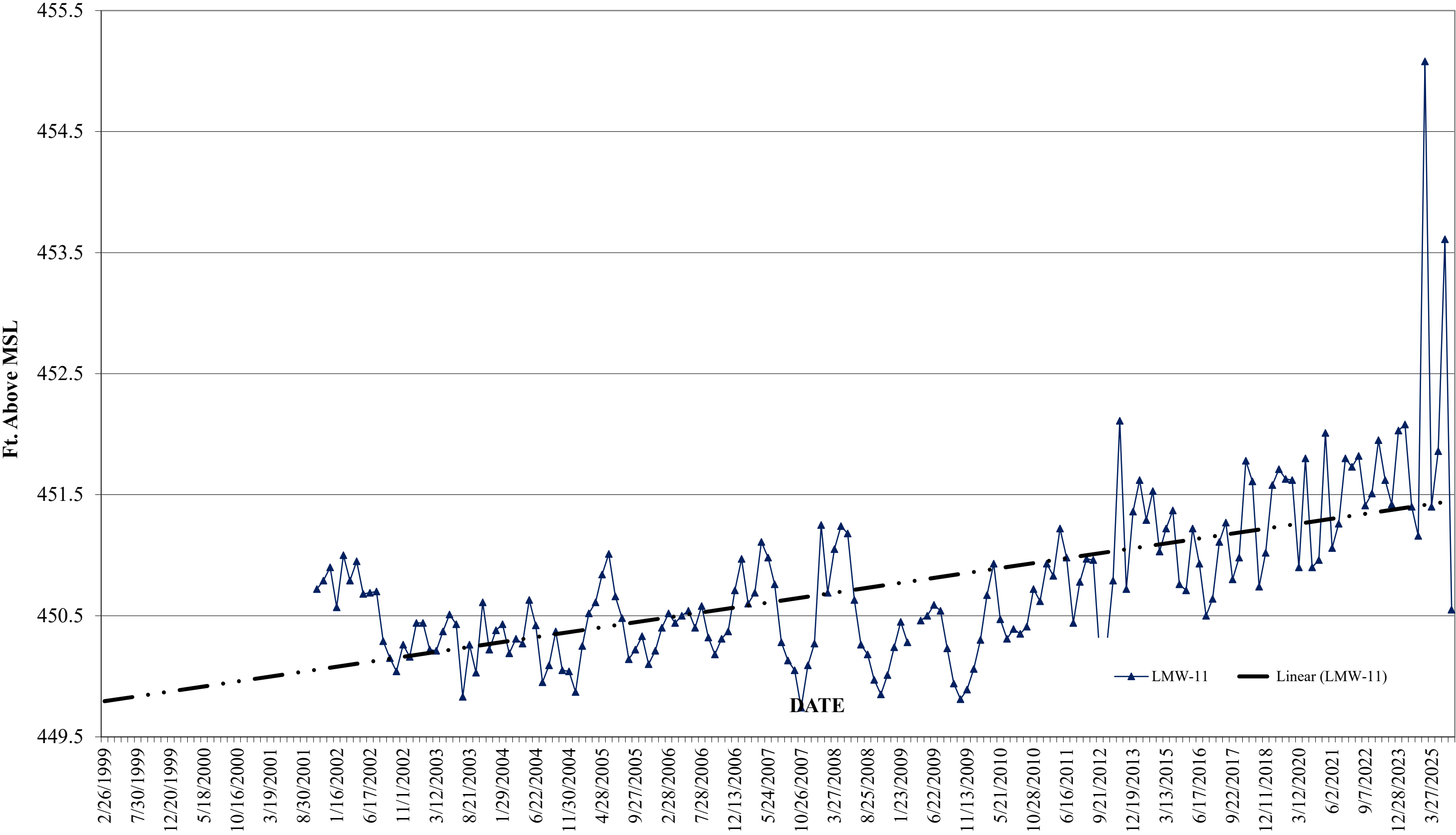
HISTORICAL WATER LEVEL ELEVATIONS MW9S COMPARED TO LMW 10 & LMW 11



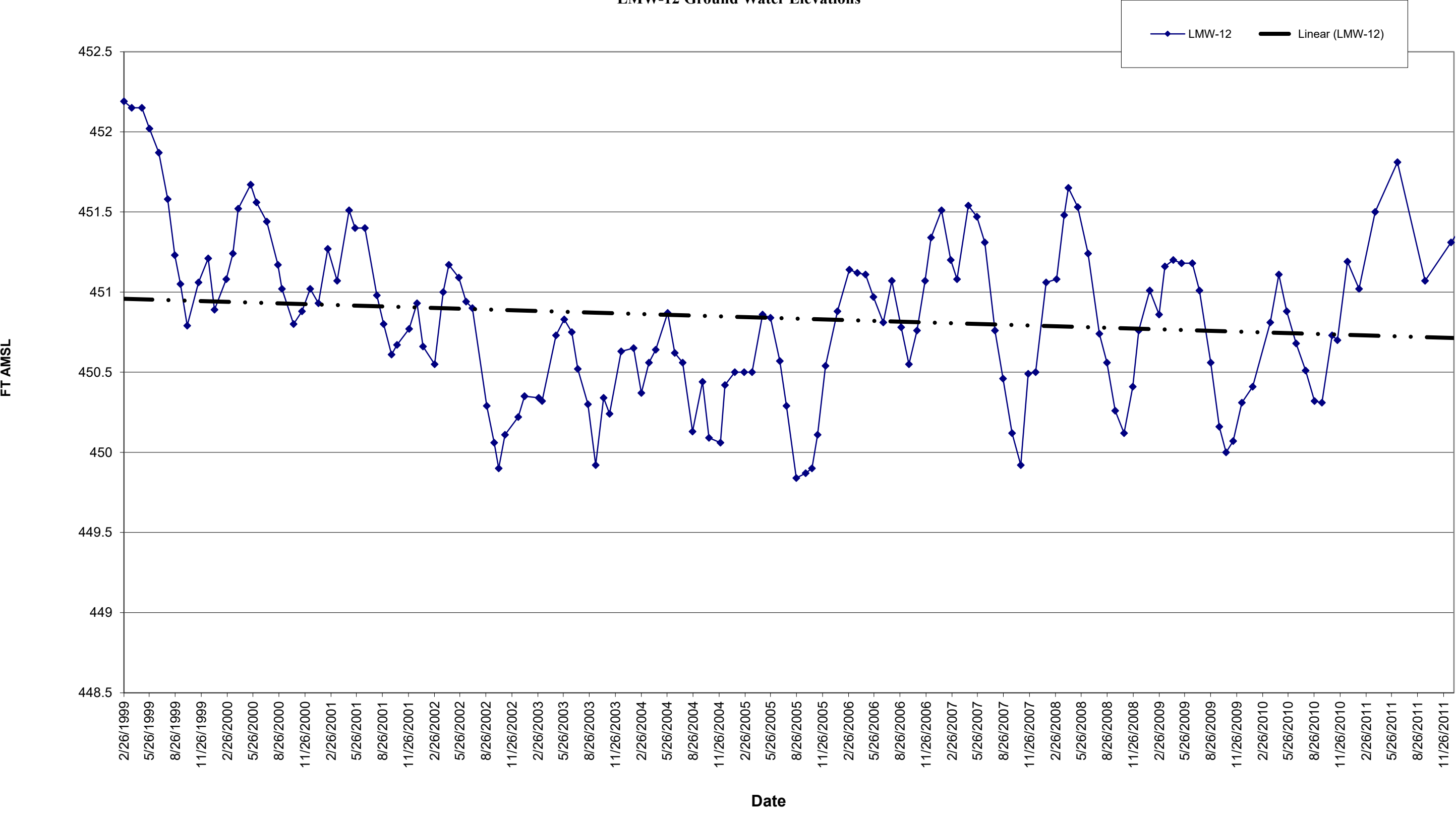
Leachate Well LMW-10 Water Elevations



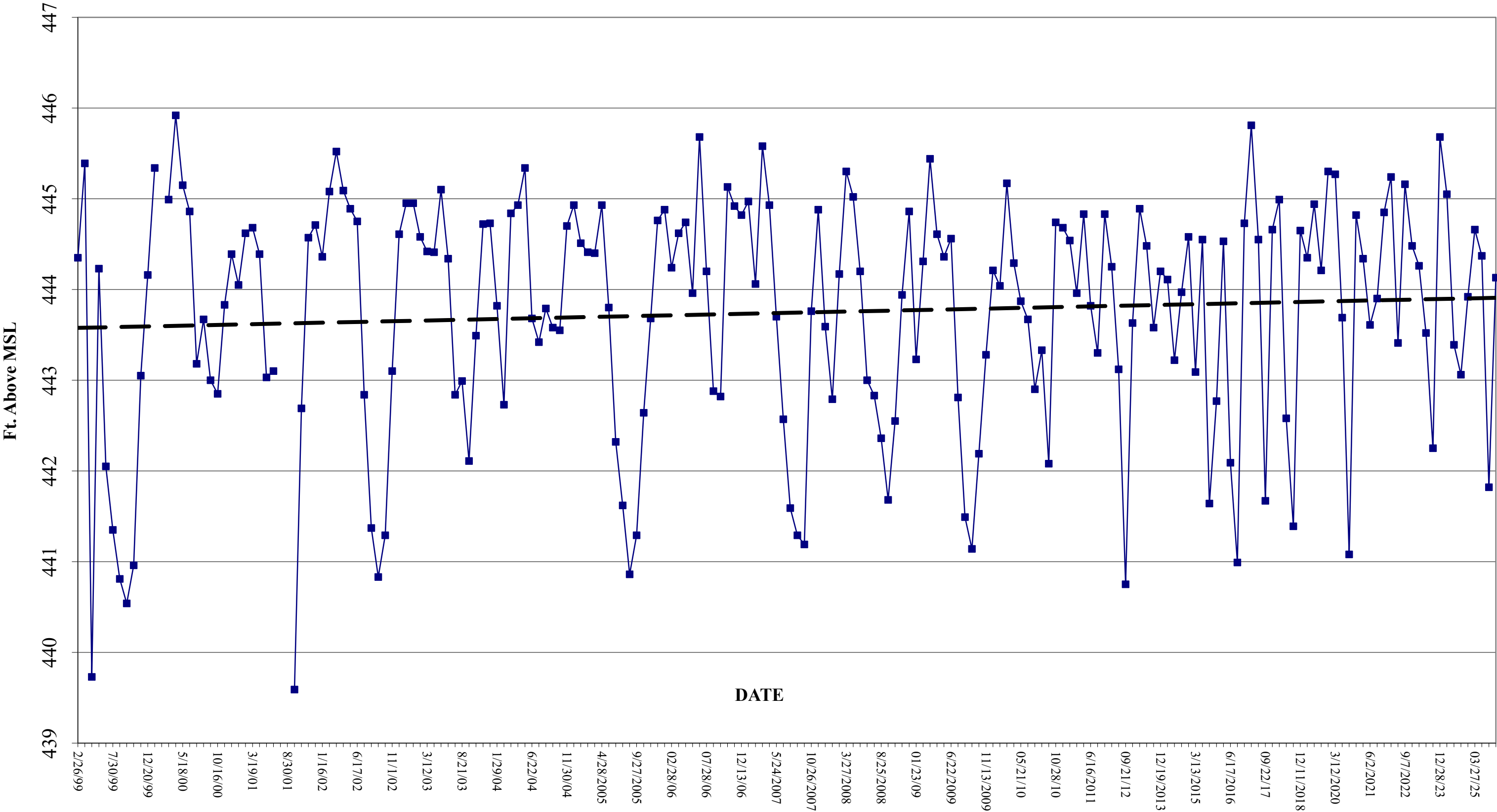
Leachate Well LMW-11 Water Elevations



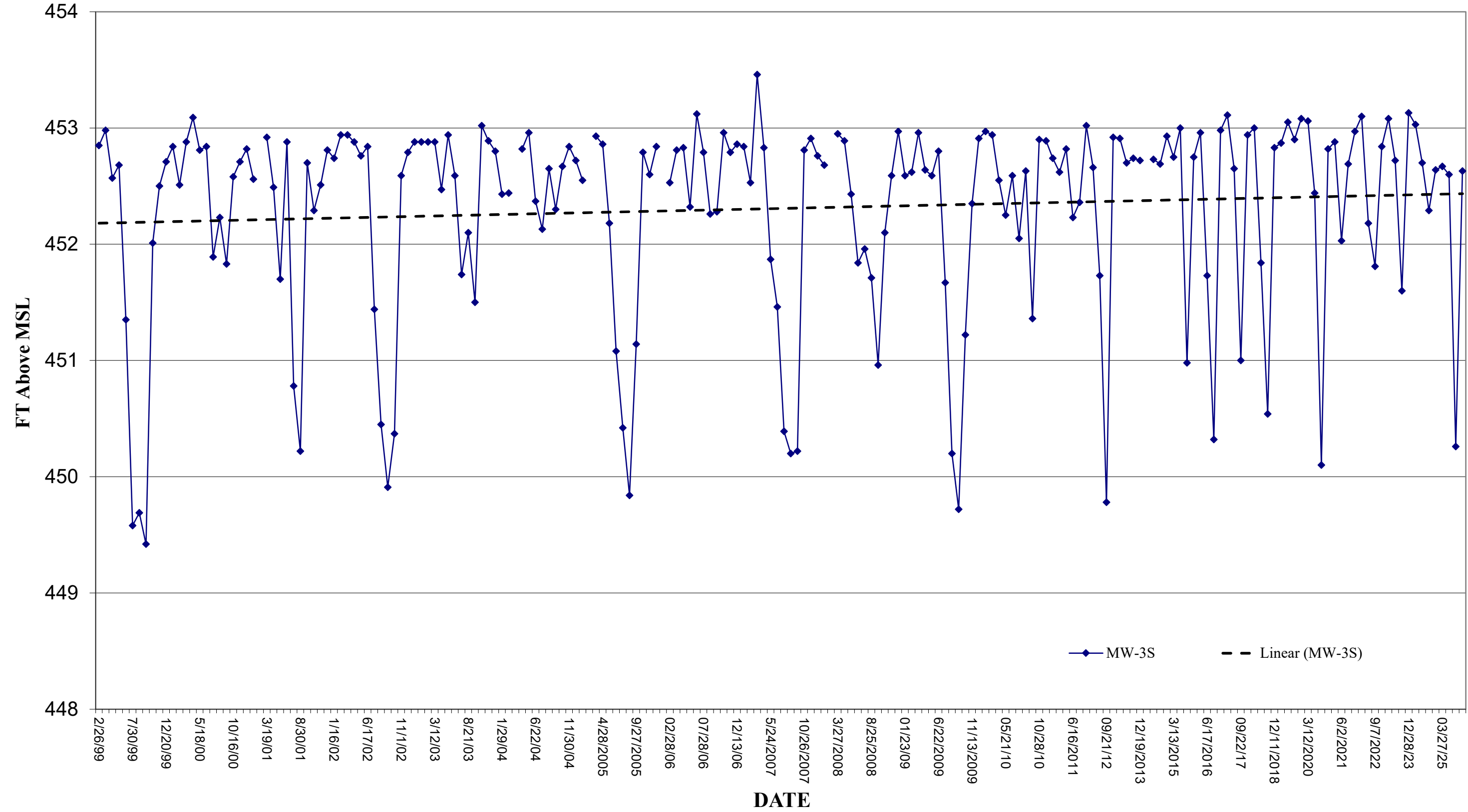
LMW-12 Ground Water Elevations



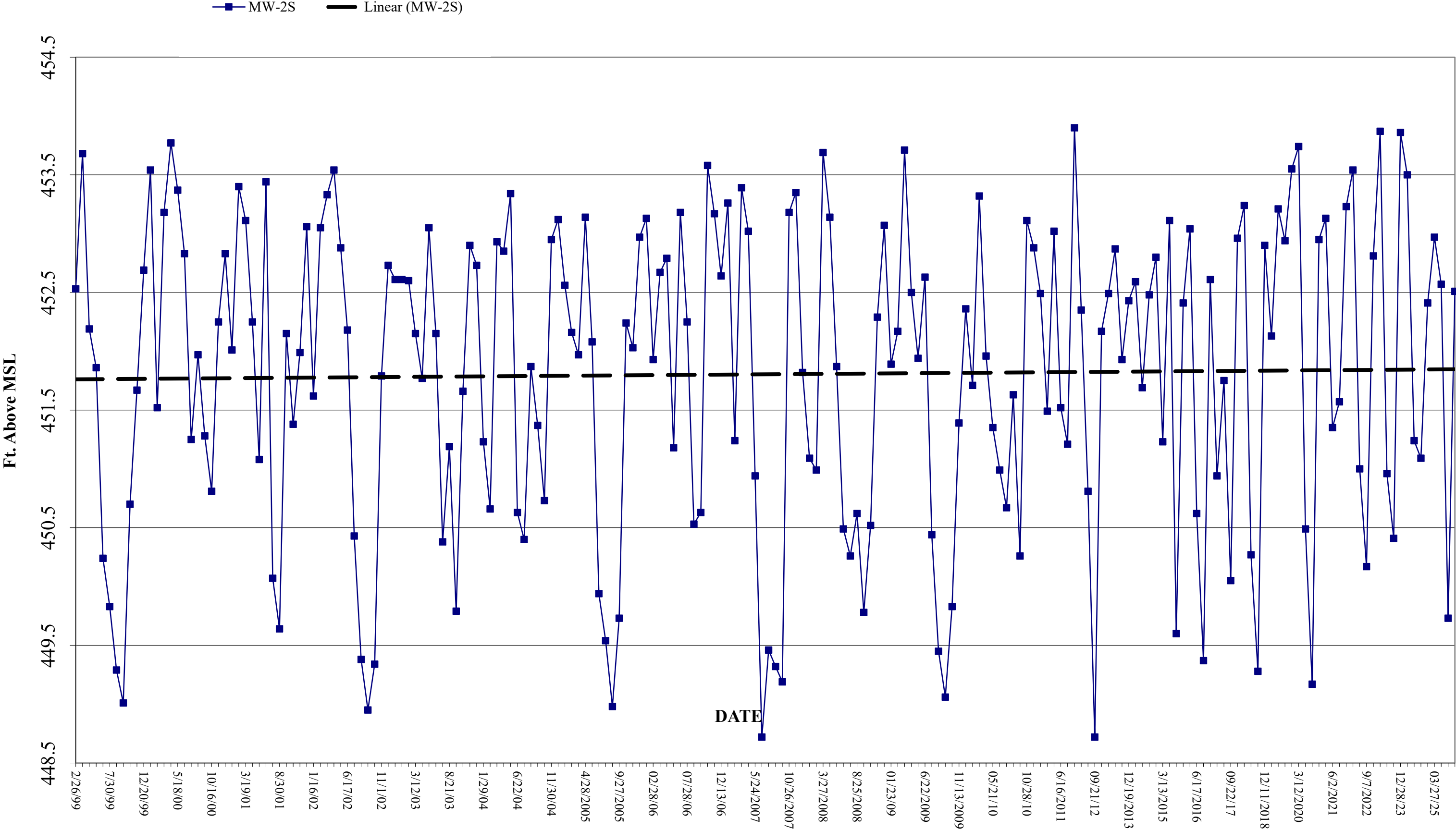
MW1S Ground Water Elevations



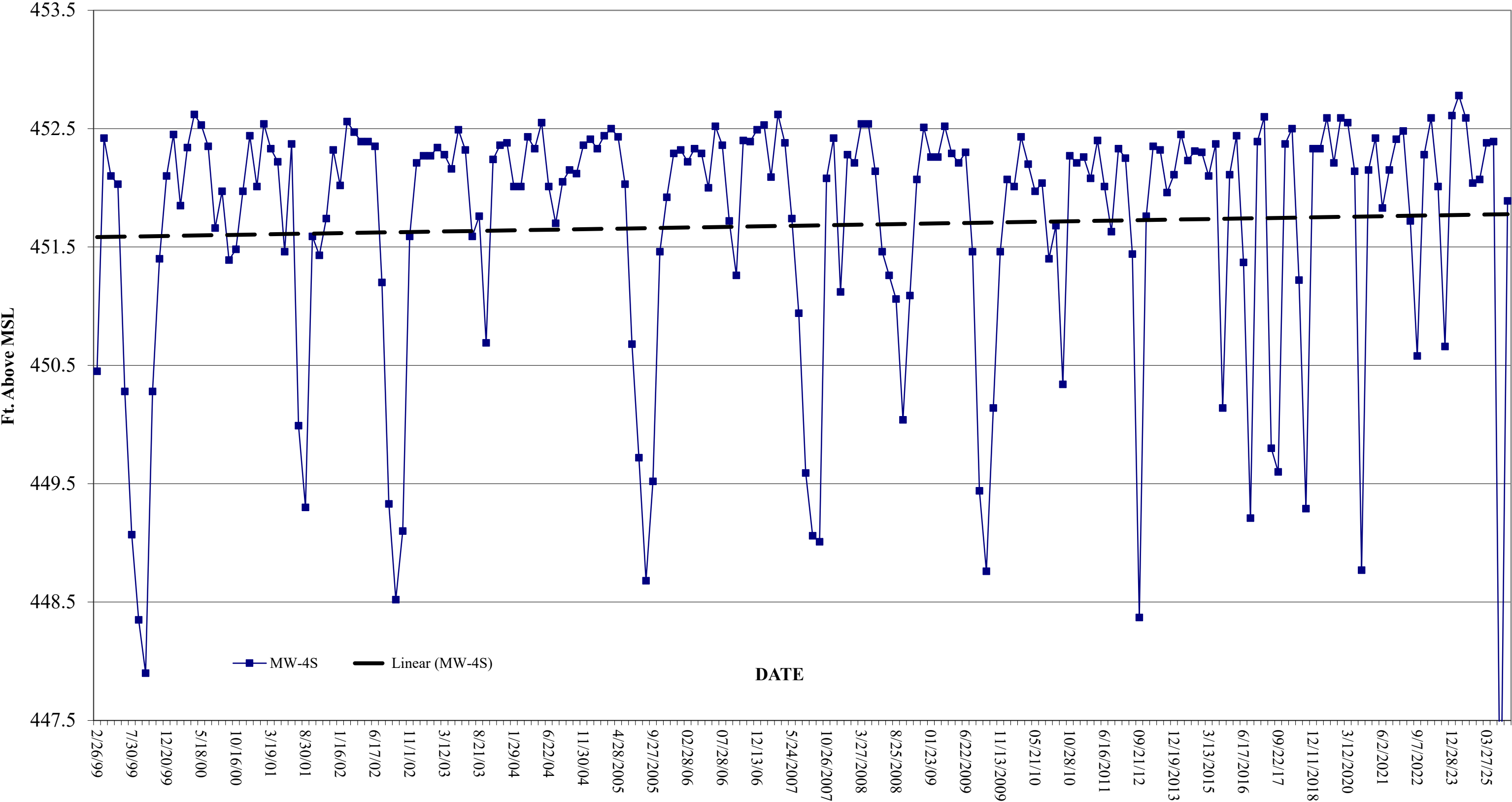
MW-3S Ground Water Elevations



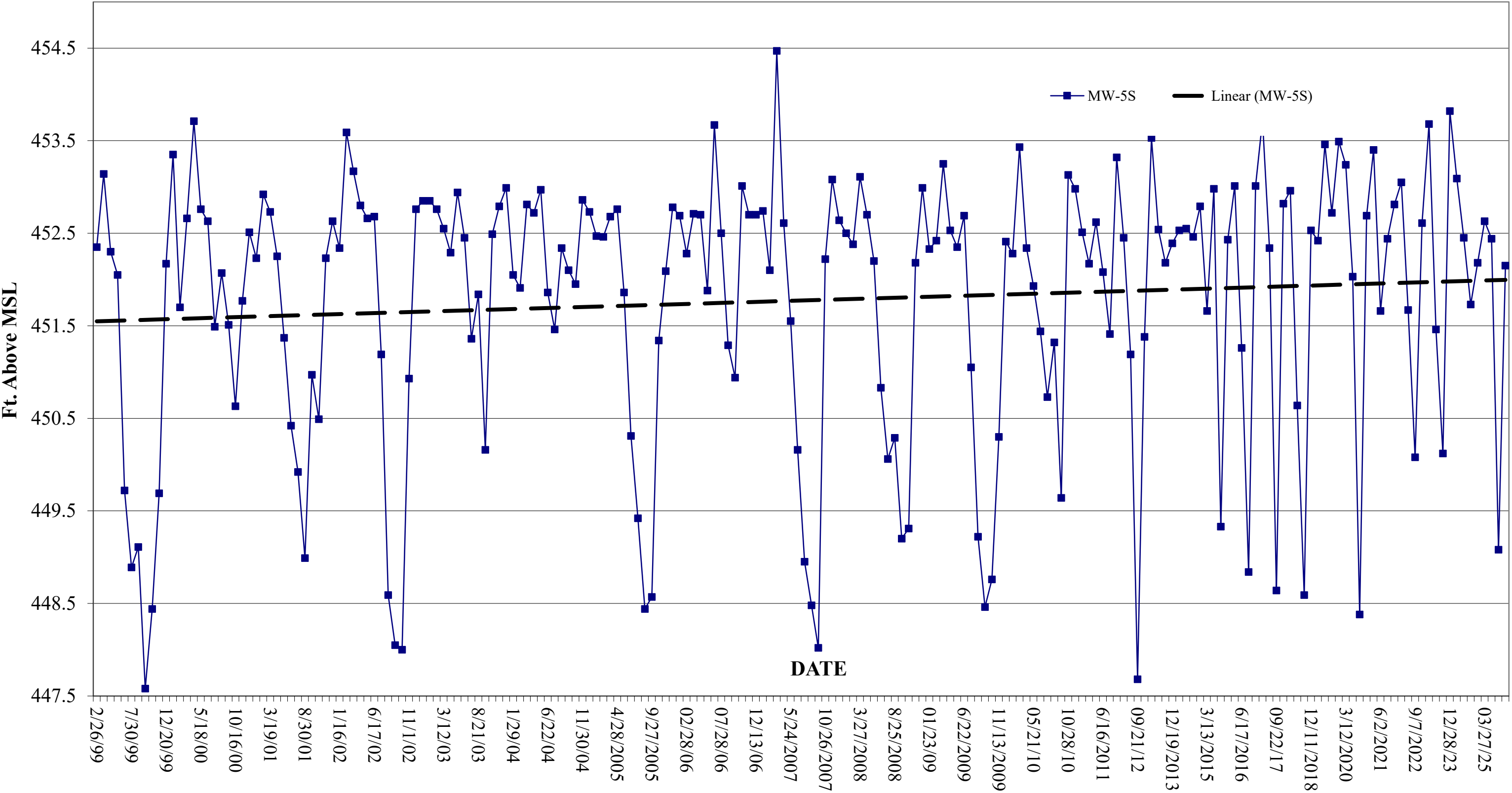
MW-2S Ground Water Elevations



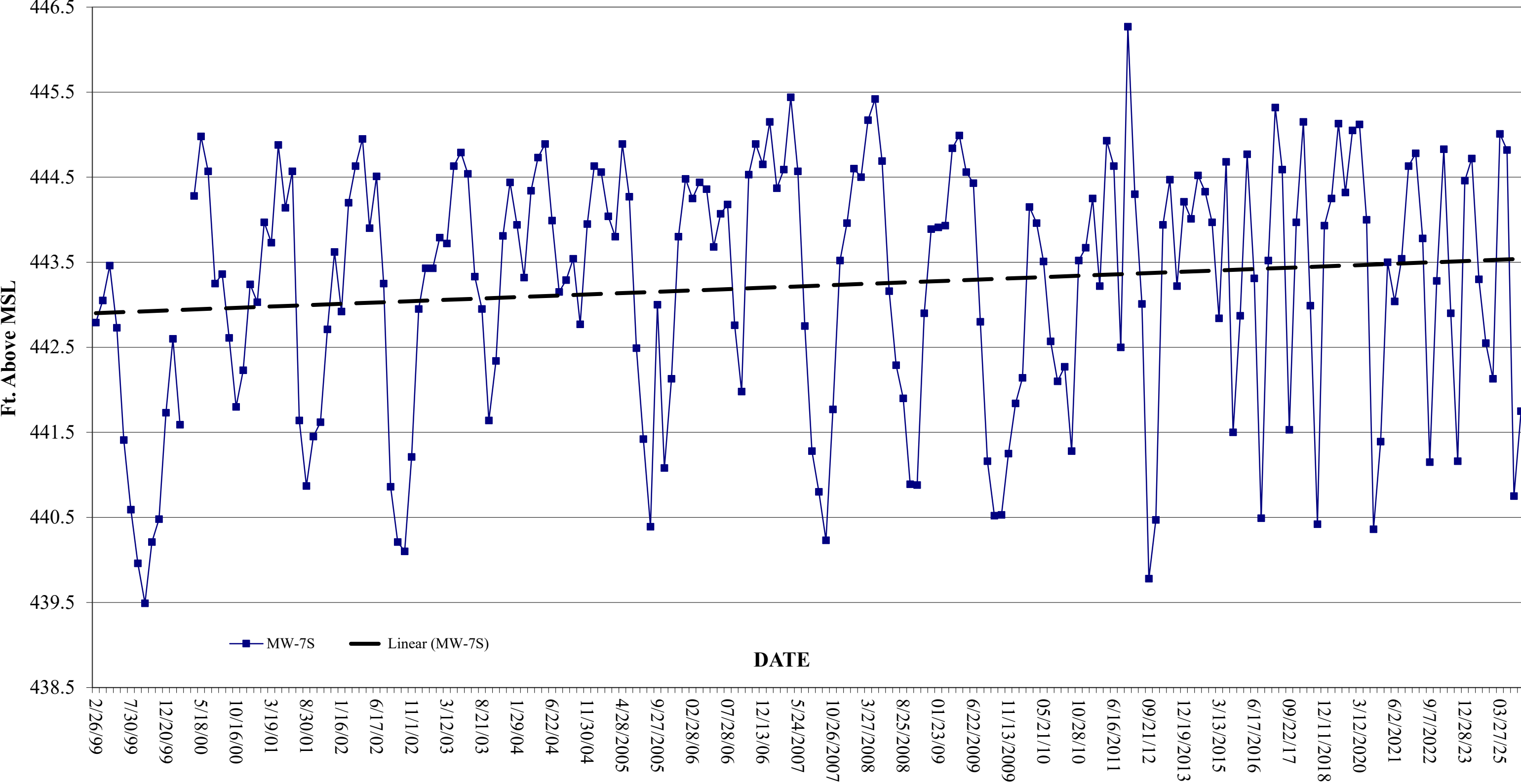
MW-4S Ground Water Elevations



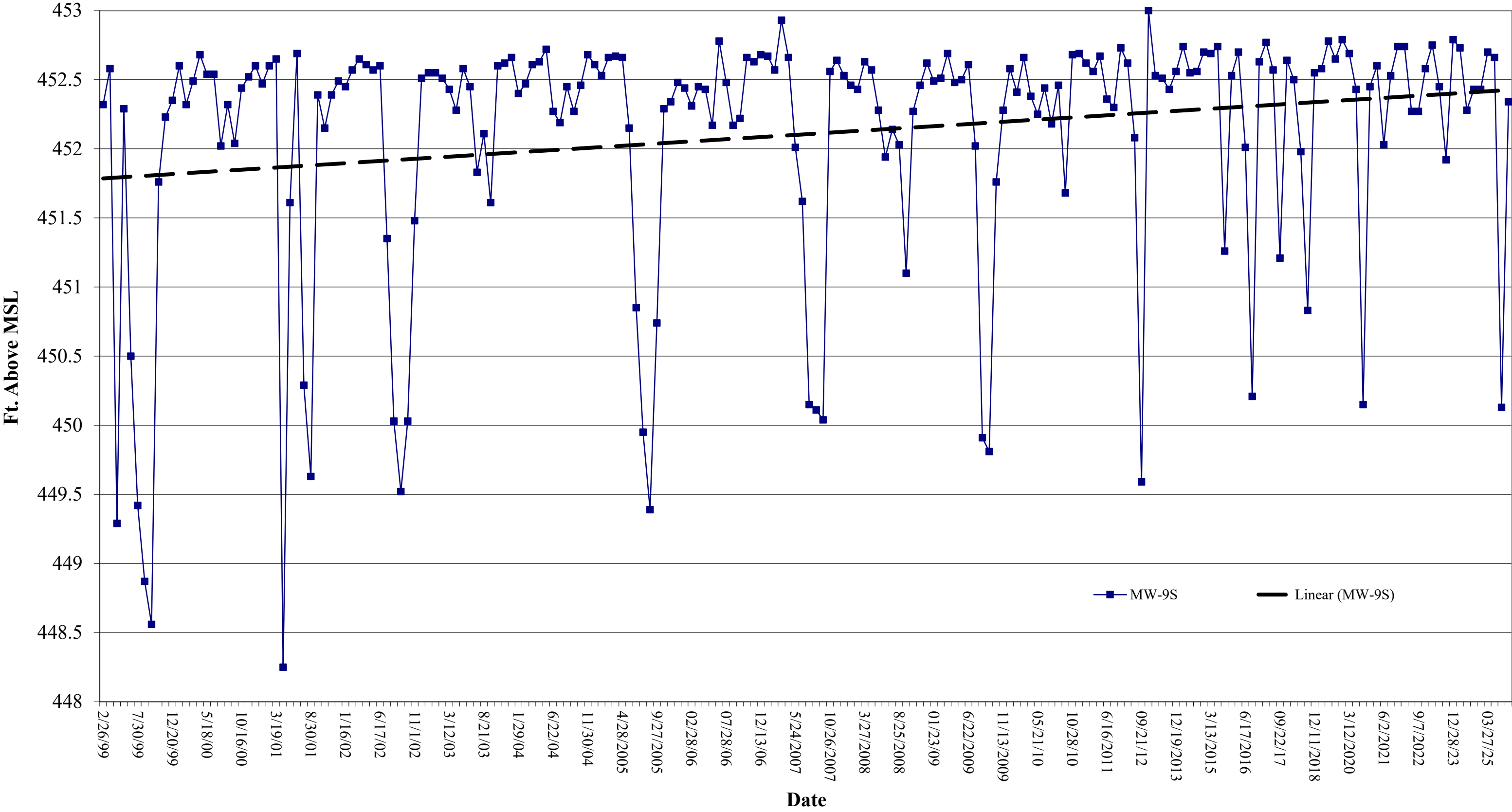
MW-5S Ground Water Elevations



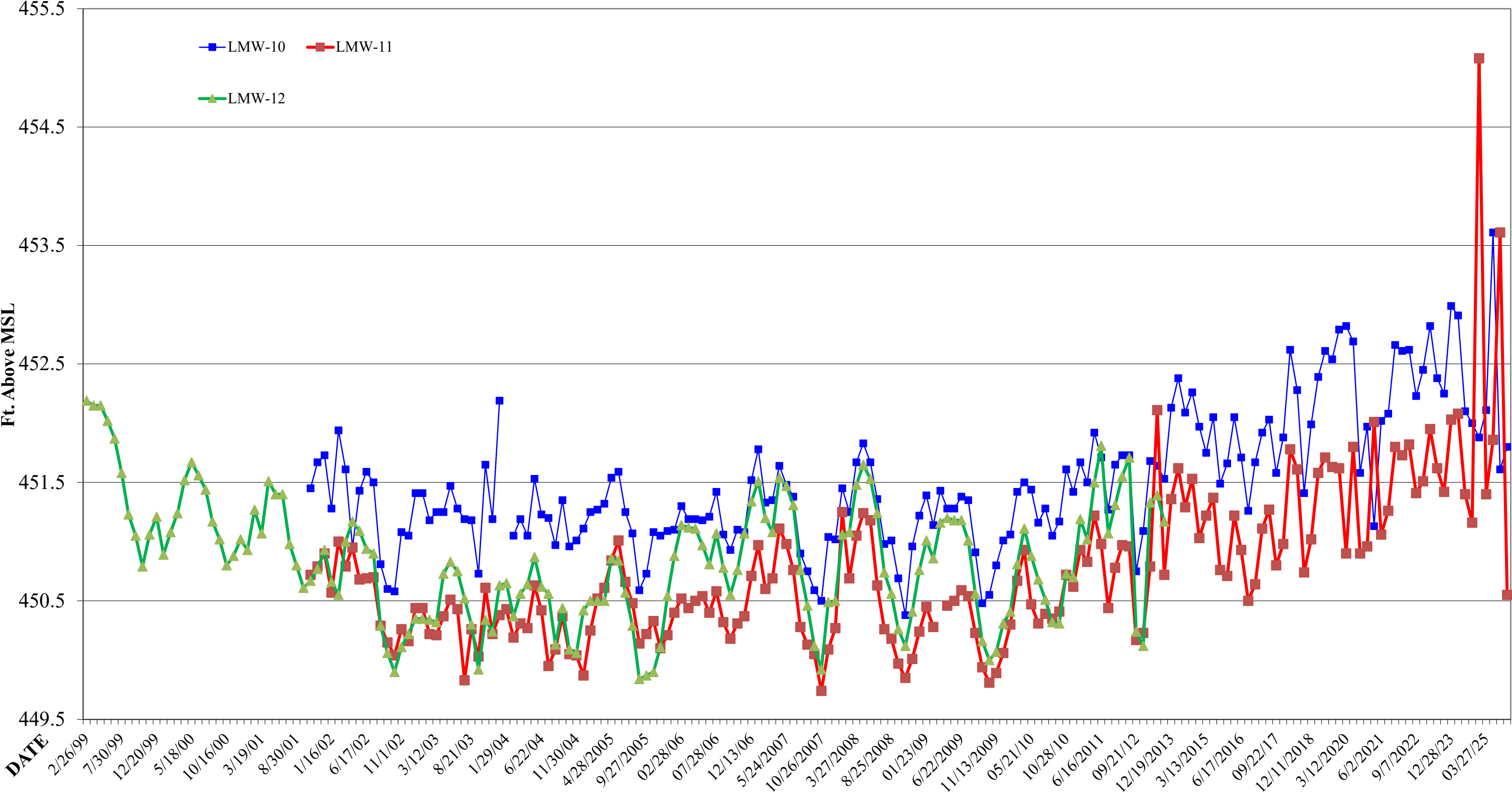
MW-7S Ground Water Elevations



MW-9S Ground Water Elevations



Leachate Well Water Elevations



APPENDIX D

QUARTERLY INSPECTION FORMS

**TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST**

Page 1 of 2

Date & Time: 3/27/25 @ 10:45

Inspector: Stuart Hann

Weather: Clear / Cold

GENERAL INSPECTION

General Site Condition:

Gates - condition and locks for inner & outer gates:

Access Road - surface/paving/snow

Overall appearance (trash/litter)

OK

OK

OK

Notes Problems

Pump Station at Tannery Road:

Condition: OK

Pump #1 Hours: 13342.2

Pump #2 Hours: 13335.6

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows

Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity

Meter Pit - open lid, check heater, leaks, etc.

Panel note conditions and any alarms: OK

OK

OK

OK ~1" of water in pit.

Totallizers (in meter pit)

RW-1 4538.6

RW-3 6636.1

RW-2 0629.9

RW-4 Disconnected

Hour Meters

RW-1 19686.5

RW-3 17137.5

RW-2 47792.5

RW-4 28401.5

Landfill Cover Inspection

Leachate seeps Any new seeps NO

If YES, describe: _____

Western seep condition: OK

North seep condition: OK

Gas vents - general condition

OK

- Unusual odors, list vents/describe.

No

Flares ignited

OK No

Perimeter fence

OK Fence damaged on south side.

Erosion/animal burrows NO

If YES, describe: 2" holes all over North-west

side of cap.

Page 2 of 2

Stuart Mann

<u>WELL No</u>	<u>Measure Pt Elev.</u>	<u>Depth to Water (ft)</u>	<u>Groundwater Elevation (ft)</u>	<u>Well Condition</u>
MW - 1S	449.59	4.93		Good
MW - 2S	459.44	6.47		Good
MW - 3S	456.4	3.73		Good
MW - 4S	456.19	3.81		Good
MW - 5S	457.15	4.52		Good
MW - 7S	452.25	7.24		Good
MW - 9S	456.38	3.68		Good
MW - 10	486.3	34.19		Good
MW - 11	502.4	51.00		Crap missing
MW - 12	483.11	x	x	Damaged
PZ - 1	454.37	5.77		Good

NOTES:

**TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST**

Page 1 of 2

Date & Time: 6/17/25 11:00 AM

Inspector: Stuart Henn
Weather: Cloudy, 65°

GENERAL INSPECTION

General Site Condition:

Gates - condition and locks for inner & outer gates:

Access Road - surface/paving/snow

Overall appearance (trash/litter)

OK

OK

OK

Notes Problems

Pump Station at Tannery Road:

Condition:

OK

Pump #1 Hours: 13495.5

Pump #2 Hours: 13335.6

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows

Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity

Meter Pit - open lid, check heater, leaks, etc.

Panel note conditions and any alarms:

OK

OK

OK

OK

Totallizers (in meter pit)

RW-1 4538.6

RW-3 6636.3

RW-2 0000.1

RW-4 Disconnected

Hour Meters

RW-1 19686.5

RW-3 17152.8

RW-2 47818.6

RW-4 28401.5

Landfill Cover Inspection

Leachate seeps Any new seeps

NO

If YES, describe:

Western seep condition:

OK

North seep condition:

OK

Gas vents - general condition

OK

- Unusual odors, list vents/describe.

No

Flares ignited

OK

Perimeter fence

OK

Erosion/animal burrows

NO

If YES, describe:

Damage to fence & Gate

NOTE: Revision May 2026 Flares ignited - The inspector noted the flares to be in OK condition, and did not mean to state that they were ignited. The flares were not ignited in any 2025 inspection.

Page 2 of 2

Monitoring Well Water Level Data

<u>WELL No</u>	<u>Measure Pt Elev.</u>	<u>Depth to Water (ft)</u>	<u>Groundwater Elevation (ft)</u>	<u>Well Condition</u>
MW - 1S	449.59	5.22		OK
MW - 2S	459.44	6.87		OK
MW - 3S	456.4	3.80		OK
MW - 4S	456.19	3.80		OK
MW - 5S	457.15	4.71		OK
MW - 7S	452.25	7.43		OK
MW - 9S	456.38	3.72		OK
MW - 10	486.3	32.69		OK
MW - 11	502.4	50.54		No Cap
MW - 12	483.11	x	x	Damaged
PZ - 1	454.37	6.18		OK

NOTES:

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Page 1 of 2

Date & Time: 9/11/25 08:30

Inspector: Stuart Mann
Weather: Sunny

GENERAL INSPECTION

General Site Condition:

Gates - condition and locks for inner & outer gates:

Access Road - surface/paving/snow

Overall appearance (trash/litter)

OK

OK

OK

Pump Station at Tannery Road:

Condition: OK

Pump #1 Hours: 13581

Pump #2 Hours: 13335

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows

Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity

Meter Pit - open lid, check heater, leaks, etc.

Panel note conditions and any alarms: OK

OK

OK

OK

Totallizers (in meter pit)

RW-1 45386

RW-3 66368

RW-2 00016

RW-4 00001

Hour Meters

RW-1 19686.5

RW-3 17205.1

RW-2 49659.8

RW-4 28401.5

Landfill Cover Inspection

Leachate seeps Any new seeps NO

If YES, describe: _____

Western seep condition: _____

North seep condition: _____

Gas vents - general condition

OK

- Unusual odors, list vents/describe. _____

Flares ignited

OK

Perimeter fence

OK

Erosion/animal burrows

NO

If YES, describe: Need repair & tree removal

NOTE: Revision May 2026 Flares ignited - The inspector noted the flares to be in OK condition, and did not mean to state that they were ignited. The flares were not ignited in any 2025 inspection.

Page 2 of 2

9/11/25

Stuart Thann

<u>WELL No</u>	<u>Measure Pt Elev.</u>	<u>Depth to Water (ft)</u>	<u>Groundwater Elevation (ft)</u>	<u>Well Condition</u>
MW - 1S	449.59	7.77		OK
MW - 2S	459.44	9.71		OK
MW - 3S	456.4	6.14		OK
MW - 4S	456.19	9.85		OK
MW - 5S	457.15	8.07		OK
MW - 7S	452.25	11.50		OK
MW - 9S	456.38	6.25		OK
MW - 10	486.3	34.69		OK
MW - 11	502.4	48.79		No Cap
MW - 12	483.11	x	x	Damaged
PZ - 1	454.37	9.67		OK

NOTES:

NOTES:

**TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST**

Page 1 of 2

Date & Time: 12/3/25

Inspector: Stuart Mann
Weather: Cloudy, Snow

GENERAL INSPECTION

General Site Condition:

Gates - condition and locks for inner & outer gates:

Access Road - surface/paving/snow

Overall appearance (trash/litter)

OK

OK

OK

Notes Problems

Pump Station at Tannery Road:

Condition:

OK

Pump #1 Hours: 137232

Pump #2 Hours: 133356

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows

Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity

Meter Pit - open lid, check heater, leaks, etc.

Panel note conditions and any alarms: OK Low Temp. alarm active.

OK

OK

OK

Totallizers (in meter pit)

RW-1 00634

RW-3 67079

RW-2 00759

RW-4 0004

Hour Meters

RW-1 205074

RW-3 172143

RW-2 502103

RW-4 293173

Landfill Cover Inspection

Leachate seeps Any new seeps NO

If YES, describe: _____

Western seep condition: _____

North seep condition: _____

Gas vents - general condition

OK

- Unusual odors, list vents/describe. _____

Flares ignited

OK

Perimeter fence

OK

Erosion/animal burrows NO

If YES, describe: _____

NOTE: Revision May 2026 Flares ignited - The inspector noted the flares to be in OK condition, and did not mean to state that they were ignited. The flares were not ignited in any 2025 inspection.

Page 2 of 2

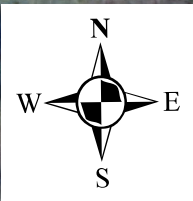
Monitoring Well Water Level Data

NOTES:

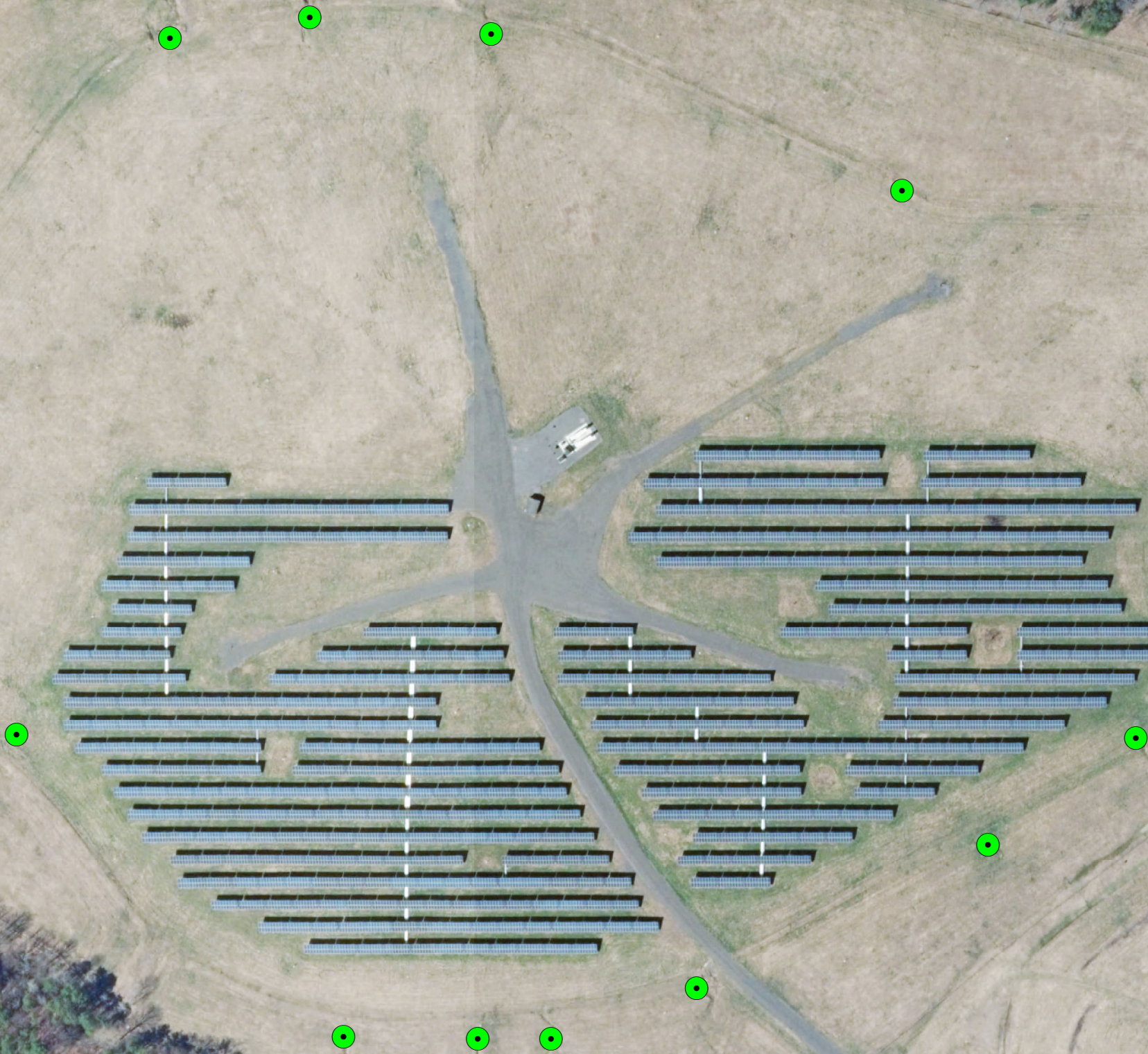
NOTES:

APPENDIX E

EROSION/SETTLEMENT AREA MAP

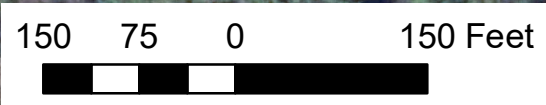


**CITY OF ROME TANNERY ROAD LANDFILL
CAP EROSION/SETTLEMENT AREAS**



Legend

● Cap Erosion/Settlement Areas



APPENDIX F

PERIODIC REVIEW REPORT CERTIFICATION



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. **633012**

Site Name **Rome Landfill**

Site Address: Tannery Road Zip Code: 13440
City/Town: Rome
County: Oneida
Site Acreage: 44.000

Reporting Period: April 30, 2015 to December 31, 2025

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? ☒ ☐
Closed Landfill

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

Date

SITE NO. 633012

Box 3

Description of Institutional Controls

Parcel

Owner

Institutional Control

221.000-1-7.1

City of Rome

Ground Water Use Restriction
Soil Management Plan

Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Deed restriction filed in 2016

Box 4

Description of Engineering Controls

Parcel

Engineering Control

221.000-1-7.1

Cover System
Groundwater Containment
Leachate Collection
Alternate Water Supply
Fencing/Access Control

Part 360 cap, slurry wall, leachate collection system, fencing, monitoring wells.

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. 633012**

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 Joseph G. Guiliano at 198 N. Washington St., Rome, NY 13440,
print name print business address

am certifying as Public Works Commissioner (Owner or Remedial Party)

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

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

12-16-2025
Date

APPENDIX G

LABORATORY GROUND WATER ANALYTICAL DATA

(No Monitoring in 2025)

APPENDIX H

GROUND WATER SAMPLING FIELD SHEETS

(No Monitoring in 2025)

APPENDIX I

LEACHATE RECOVERY WELL PUMP INFORMATION

<https://www.acehardware.com/departments/plumbing/pumps-and-pump-parts/well-pumps/4003780>

