

APPENDIX 13-D

Annual Groundwater and Surface Water Quality Monitoring Report and Solid Waste Operating Report (2021)







Consulting Engineers and Scientists

Year 2021 Annual Groundwater/ Surface Water Quality Monitoring Report and Solid Waste Operating Report

Heorot Power – Somerset Operating Company Barker, New York

Submitted to:

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1. Introduction

Somerset Operating Company, LLC owns and historically operated a 675-megawatt, coal-fired electric generating station on the southern shore of Lake Ontario (Site) (Figure 1) On March 24, 2021, Somerset Operating Company, LLC submitted formal notice to NYSPSC and NYISO that the Somerset coal fired Unit 1 is officially retired as of March 31, 2020. In addition to the formerly operating electric generating station, Somerset Operating Company owns and operates a solid waste disposal facility (SWDA) that received coal combustion by-products generated at the station (Figure 2). The SWDA, located east of the generation plant (Station), consists of three designated solid waste disposal areas: Area I, Area II, and Area III. Area II is active. Area I is closed. Area III will not be developed for disposal, due to the retirement of the coal fired unit.

Groundwater and surface water quality monitoring is currently being performed on a quarterly basis for the Station and the SWDA. Groundwater monitoring commenced in October 1983, approximately one year before commercial start-up of power generation. The monitoring program was established to evaluate potential impacts to groundwater and surface water due to site operations, and to comply with requirements of Section III.2 of Appendix A of the Certificate of Environmental Compatibility and Public Need (CEC&PN) issued in December 1978, and Section IV.1.2 of the Initial Compliance Filing Modification. The monitoring program for SWDA II was amended by the New York State Board on Electric Generation and the Environment pursuant to the Order Granting Amendment of the Certificate of Environmental Compatibility and Public Need, dated June 21, 2007. The monitoring plan effective for SWDA II is dated October 2008, Revision 1 (prepared by Geomatrix Consultants).

1.1 Purpose

This report was prepared to summarize and assess environmental monitoring results performed during the 2021 calendar year. This is the 39th annual report of the groundwater monitoring program. In addition, the report provides the Year 2021 Annual Solid Waste Operating Report in conformance with 6 NYCRR 363-8.2.

This document describes the groundwater and facility monitoring systems in Section 2.0 and monitoring methods are described in Section 3.0. Section 4.0 evaluates the water quality monitoring data and includes a summary of results for the Station, SWDA I and SWDA II. Section 5.0 presents the 2021 Annual Solid Waste Report.

2. Groundwater/Surface Water Monitoring System

The groundwater/surface water monitoring system at the Somerset facility is divided into two monitoring networks areas: 1. a Station Area monitoring network (located around the former power generating area of the Site); and 2. a SWDA monitoring network which is divided into two landfill units; SWDA I and SWDA II. The monitoring network utilized to monitor groundwater around the Station (Figure 2) includes 21 monitoring wells, 9 piezometers, 4 surface water retention basin locations, 3 treatment water settling basin locations, one sludge stabilization basin location (now closed), and one groundwater suppression system location. The nine piezometers are utilized to monitor groundwater elevations.

The second monitoring network area is located around the SWDA portion of the Site. The groundwater monitoring network for SWDA I includes 37 monitoring wells, three piezometers, two surface water locations, six leachate collection system locations, one groundwater suppression system location, and two storm water runoff basin locations (Figure 2). The SWDA II monitoring network consists of 17 monitoring wells around the perimeter of the landfill and three wells (one (1) upgradient and two (2) downgradient) monitoring groundwater quality in the vicinity of Somerset Basin which is a lined impoundment temporarily holding collected leachate and stormwater located near the northern boundary of the Site which is sampled in accordance with a SPDES Permit (Figure 2).

Somerset Operating Company has established a site-specific code to identify the monitoring locations at the Site. Table 1 provides a summary of the derivation of the monitoring location codes. Tables 2 and 3 provide a summary of the groundwater and surface water monitoring locations, their map identification relative to the site-specific code and their hydraulic relation to the area being monitored for the Station Area and SWDA, respectively.

2.1 Summary of Site Geologic/Hydrogeologic Conditions

Based on historical site investigation records, a veneer of glacial deposits covers the area surrounding the Site. These deposits are generally less than 30 feet thick and overlie the Queenston Shale bedrock. The glacial deposits consist of glacial lacustrine sands, silts and till deposits. The lacustrine and till deposits are present across the entire site, however the thickness of the deposits is variable in places, due to differential glacial scouring.

Groundwater is typically encountered near the base of the overburden and top of weathered bedrock, predominantly in zones with increased gravel and sand content and increased bedrock weathering. Shallow groundwater monitoring wells are screened across the overburden/bedrock interface, while deeper monitoring wells are typically screened from 15 to 25 feet below the top of shale bedrock. Naturally elevated concentrations of ammonia, chloride, sodium, Total

Dissolved Solids (TDS) and several other cations are well documented for the Queenston Shale bedrock.

3. Monitoring Methods and Laboratory Data Usability

Quarterly sampling events were conducted on the dates listed in Section 3.1. Groundwater samples were collected by the Heorot Power Field Services Group. Groundwater, surface water and other aqueous samples (retention basins, leachate etc.) were sampled for routine monitoring parameters during the first, third and fourth quarterly monitoring events. Samples were analyzed for EMP Baseline monitoring parameters during the 2021 second quarter monitoring event. Table 4 provides a summary of analytical parameters for the routine and Baseline sampling events.

Beginning in 2015, concentrations of sulfate, TDS, calcium, magnesium, potassium, sodium and strontium were detected in monitoring wells downgradient and cross-gradient of SWDA II above the applicable assessment trigger values. In accordance with the SWDA II Environmental Monitoring Plan (2008), the previous Site owner (USNYPP) presented NYSDPS and NYSDEC with a plan for assessment monitoring in May 2015. Assessment monitoring was implemented beginning with the Second Quarter 2015 sampling event for monitoring wells SA02-03S; SA03-06S; SA03-07S; SA03-08S; and SA03-09S. Additionally, surface water quality in Fish Creek and the small pond in the northeast corner of SWDA II was evaluated during assessment monitoring. Each assessment monitoring location was analyzed for the EMP Baseline parameter list on a quarterly basis. In support of compliance with 40CFR 257.90 (US EPA CCR Rule effective October 2015), two additional monitoring wells (SO15-01 and SO15-02) were installed on October 28, 2015, downgradient of the Sludge Stabilization Basin. These wells were sampled in 2016 and 2017 to obtain background groundwater quality data and are not associated with the PSC-approved monitoring program.

Laboratory analytical data are summarized in Appendix A for the Station Area, Appendix B for SWDA I and Appendix C for SWDA II. Laboratory analytical data packages are provided in Appendix D.

Static water level elevations were measured in groundwater monitoring wells prior to purging and sampling. Groundwater elevations from each of the quarterly monitoring events are summarized in Tables 5 and 6 for the Station and SWDA, respectively. Samples were collected in accordance with the Site Environmental Monitoring Plan.

3.1 Laboratory Data Usability

Samples collected during each quarterly monitoring event were analyzed by Adirondack Environmental Services in Albany, New York. The laboratory performs an internal validation and prepares a case narrative describing non-conformance issues and data qualifications. GEI Consultants reviews the non-conformance issues, duplicate sample results, data qualifications and blank analysis to establish usability of the data. The concentrations of several dissolved

metals constituents were reported at higher concentrations than total metals for SWDA II system monitoring points in 2021. Where higher dissolved concentrations were reported, the dissolved results have been "R" flagged and rejected. Data usability results are described in the following subsections.

3.1.1 First Quarter 2021

Samples were collected between February 15 and March 30, 2021. All data were reported useable as qualified.

3.1.2 Second Quarter 2021

Samples were collected between May 11 and June 23, 2021. All data were reported useable as qualified.

3.1.3 Third Quarter 2021

Samples were collected between August 9 and September 14, 2021. All data were reported usable as qualified.

3.1.4 Fourth Quarter 2021

Samples were collected on between November 8 and December 20, 2021. All data were reported usable as qualified.

4. Evaluation of Monitoring Results

This section presents a summary of monitoring results for the four quarterly monitoring events at the Site. Analytical results for each of the locations monitored are tabulated as an appendix to this report for the Station area (Appendix A), SWDA I (Appendix B), and SWDA II (Appendix C).

A comparison of inorganic analytical results to 6 NYCRR 703 New York State Class GA Water Quality Standards (water quality standards) was performed for both the Station Area and the SWDAs. Constituents detected at concentrations above water quality standards are shaded on each table. For SWDA II, analytical results are compared to the respective assessment trigger values for each compound at each location. A detailed description of the assessment trigger value methodology is provided in Section 4.2.3. Since some constituent concentrations are naturally present above water quality standards in samples collected from monitoring wells representative of background groundwater quality, additional evaluations of water quality data were performed.

The detection of some constituents above water quality standards is consistent with historical monitoring of groundwater quality across the Site (upgradient, down gradient and cross gradient) and has historically been attributed to elevated concentrations of naturally occurring inorganic constituents across the Site. As such, evaluation of potential impact to groundwater at the Site has been established utilizing sample geochemical relationships and intrawell statistical "triggers." The following sections discuss the monitoring results for the Station Area and the SWDA.

4.1 Somerset Station Area Monitoring Results

The following sections present an evaluation of the monitoring results for the Station Area.

4.1.1 Groundwater Elevation Monitoring

Table 5 presents a summary of the groundwater elevation measurements for each of the four quarterly sampling events. To evaluate groundwater flow directions at the Station Area, a shallow groundwater contour map was constructed utilizing the data from the First Quarter monitoring event (considered to be representative of high groundwater elevations). Figure 3 presents a shallow groundwater potentiometric surface map. Groundwater at the Station Area generally flows in a northerly direction, toward Lake Ontario. At the southeast corner of the Station Area and south of SWDA Area I, groundwater flow directions are seasonally influenced by discharge to and recharge from Fish Creek.

4.1.2 Groundwater Quality Monitoring

Evaluation of groundwater quality at the Station Area has historically been accomplished using major anion and cation chemistry comparisons. These comparisons are made through the plotting of the ion chemistry of groundwater samples on a Piper diagram along with the ion chemistry of potential sources of groundwater impact. The plotting of these data allows a visual comparison of the groundwater chemistry to the chemistry of potential sources of groundwater impact.

Figure 4 presents a Piper diagram of the major ion chemistry for select sampling locations at the Station from the Second Quarter monitoring event. The locations plotted include monitoring wells near potential sources of groundwater impact at the Station Area (Loop Track Basins 1, 2 and 3 and Settling Basins 1 through 4 as well as data from these potential sources of impact. The Sludge Stabilization Basin was closed by removal in **January** 2021 and no samples were collected from the Former Sludge Stabilization Basin location in 2021. The following summarizes the locations plotted on Figure 4:

| Location | Plot Identification |
|---|--|
| Deep Bedrock Well | SOGDD-8802 |
| Downgradient Shallow Well | SOGDA-8209 |
| Shallow Wells Downgradient of Coal Pile | SOGDXX-8301, 8302, 8303, SOGDSH- 0901 |
| Shallow Wells near Coal Pile Runoff Basin and Loop Track Basin 2 | SOGDXX-8304, 8305, 8824 |
| Shallow Wells near Loop Track Basin 1 | SOGDXX-8826, 8827 |
| Shallow Wells near Liquid Waste Treatment Basins 2, 3, & 4 | SOGDXX-8306, 8307, 8821R, 8823 |
| Shallow Downgradient Well near Former Sludge Stabilization Basin | SOGDXX-8829 |
| Shallow Upgradient Well near Former Sludge Stabilization Basin | SOGDXX-8828 |
| Upgradient Shallow Wells | SOGUA-8308, SOGUSH-8811 |
| Upgradient Deep Well | SOGUD-8811 |
| Coal Pile Runoff Basin | CP Basin #1 |
| Liquid Waste Treatment Basin | LWT Basin #2 |
| Settling Basins 3 and 4 | LWT Basin #3, LWT Basin #4 |

LTB-1, LTB-2, LTB-3

Loop Track Basins 1, 2 and 3

The data from the potential source areas of groundwater quality impact plot in the upper right portion of the Piper diagram, where hydrochemical facies indicate elevated sulfate and chloride anion constituent concentrations and variable cation chemistry with calcium generally the dominant cation. Shallow and deep bedrock groundwater samples continue to plot within historic trends. Observations and conclusions concerning the geochemistry are discussed below.

- Monitoring wells SOGDA-8209 and 8209A monitor groundwater downgradient of the Station. Groundwater chemistry in these wells is similar to background water quality.
- Monitoring wells SOGUD-8811 and SOGDD-8802 monitor deep bedrock groundwater upgradient and downgradient of the coal storage pile, respectively. Well SOGDD-8802 was dry during the June 2021 sampling event and is not plotted. The geochemical signature of well SOGUD-8811 reflects deep bedrock chemistry and is not indicative of impacts from the treatment basins or the coal storage pile.
- Monitoring wells 88-21R and 83-07 monitor groundwater downgradient of the liquid waste treatment basins. Monitoring well 88-21R exhibited elevated concentrations of sulfate during the Third Quarter and TDS throughout the 2021 monitoring period. Sodium was also elevated during the Second Quarter Baseline sampling event in well 88-21R. Monitoring well 83-07 displayed elevated concentrations of TDS during the Second, Third and Fourth Quarters. Monitoring well 83-07 is partially screened in the Queenston Shale bedrock and is frequently influenced by bedrock chemistry during seasonal low groundwater elevation. Monitoring well 88-21R plots in the left-center portion of the Piper diagram (Figure 4), near the center of background overburden geochemistry. The plot location of 83-07 on Figure 4 exhibits a shift upward on the plot when compared to 2020 and is reflective of a low alkalinity concentration during the Second Quarter (30 mg/L). Sulfate concentrations in 83-07 ranged remain low and ranged from 65.8 to 99.6 mg/L throughout 2021 The enrichment in TDS in these wells does not indicate impacts from the liquid waste treatment basins.
- Beginning with monitoring year 2007, ammonia was added to the analyte list for monitoring wells 83-06, 83-07, 88-21R and 88-23 to supplement the existing suite of analytical parameters. Ammonia was added to the parameter list due to the high variability of other potential impact indicator parameters in Settling Basins 2, 3 and 4, (e.g., sulfate, bromide, chloride, TDS), and due to their presence in background groundwater at comparable concentrations. Ammonia was detected in well 83-06 during each quarterly sampling event in 2021 and ranged from 1.1 mg/L (Third Quarter) to 1.5 mg/L (Fourth Quarter), below the Class GA Groundwater Standard of 2.0 mg/L. Ammonia was not detected at locations 83-07, 88-21R or 88-23. The piper-plot location of the Basin monitoring points when compared with the Basin samples, as well as the low or non-detect concentrations of ammonia at these locations indicate that Settling Basins 2, 3 and 4 are not impacting shallow downgradient groundwater.

- Monitoring wells SO83-04, SO83-05, and SO88-24 are shallow groundwater monitoring wells located adjacent to the coal pile run-off basin, Settling Basin 1 and the Loop Track Basin-2 (see Figure 2). Impacts to these wells from Basin 1 (chloride and sulfate) were first identified in the 1999 annual groundwater report. In response to the results of the monitoring and reporting, a separation in the liner system of Settling Basin-1 was identified. Seepage from Settling Basin-1 was mitigated when the liner was repaired in October 2000. Beginning with the year 2002 Annual Groundwater Monitoring Report, time-series concentration plots have established an overall decreasing trend in the dominant leachate ion-constituents (chloride, sulfate) detected in these monitoring wells. Time-series concentration plots for monitoring wells SO83-04, SO83-05 and SO88-24 are presented on Figures 5A, 5B through 7A,7B. Generally decreasing or stable trends in both sulfate and chloride concentrations have been documented for monitoring wells SO83-04 and SO88-24 since the completion of mitigative measures. Seasonal variability has been identified in sulfate concentrations at each of these monitoring locations. This variability coincides with seasonal variations in the shallow groundwater elevations at the Station. Generally, higher constituent concentrations are detected during sampling events which take place during a low groundwater condition at the Site, typically between December and April. Monitoring well SO83-05 exhibited an increase in chloride and sulfate concentrations beginning with the First Quarter 2019 monitoring period. The plot location of SO83-05 on Figure 4 indicates an enrichment in both chloride and sulfate ions when compared to the 2018 monitoring period. Separations in the liner of Settling Basin-1 were identified during the First Quarter 2019 and subsequently repaired. The elevated concentrations of sulfate and chloride in well SO83-05 are likely attributable to limited impacts to shallow groundwater directly downgradient of the Basin. Following repairs, both sulfate and chloride concentrations exhibited overall decreasing or stable concentrations throughout the 2021 monitoring period but have not yet returned to historic lows. Chloride and sulfate concentration trends in well SO83-05 are presented on Figures 6A and 6B, respectively. It is anticipated that concentrations will continue to decrease following the liner repairs and chloride and sulfate concentration trends in monitoring wells adjacent to these basins will continue to be evaluated throughout 2022.
- During preparation of the 2006 Annual Report, monitoring indicated an increasing trend in the concentration of several cations (magnesium, iron and manganese) and anions (sulfate and chloride) in monitoring well SO83-03 (located directly downgradient of the coal storage pile) and was attributed to the application of certain deicing compounds utilized by the facility in this area. Time-series concentration trends were updated for the downgradient coal pile monitoring wells (SO83-01, SO83-02, SO83-03 and SO09-01) as well as shallow upgradient monitoring well SAGUA83-08 located between Lake Road and the Loop Track and are presented in Figures 8a through 8e. While no overall increasing or decreasing trend in constituent concentrations was previously identified, the concentrations of these constituents beginning with the 2008 monitoring period increased above previous levels to those reflective of deeper bedrock chemistry. Concentrations of

these constituents in most wells have stabilized to near-historical concentrations or exhibited further decrease since 2012. Chloride concentrations in monitoring well 83-01 have exhibited significant seasonal variability since 2013 and may indicate localized influence of bedrock chemistry. Beginning in 2019, well 83-01 exhibited an increasing concentration trend in total manganese (Figure 8D) and slightly elevated total iron concentrations (Figure 8C) when compared to long term historic trends and Class GA Groundwater Standards. During the 2021 monitoring period, manganese and iron concentrations were again slightly elevated when compared to historic concentrations and iron concentrations exhibited a slightly increasing trend. Remediation of the coal pile was completed in early 2021 and short-term variability in downgradient overburden chemistry may result from excavation and grading activities in the former coal storage pile area. The concentrations of these cations will continue to be evaluated throughout 2022 monitoring.

- While major element chemistry has exhibited historically increasing trends in monitoring well SA83-03, trace element chemistry typically associated with coal pile runoff, (e.g., arsenic, lead, zinc) were either not detected or not elevated above background in downgradient monitoring wells during the 2021 monitoring year. Groundwater impacts from coal pile runoff would also be expected to lower pH in downgradient monitoring wells. Leaching of sulfur-bearing minerals and the generation of sulfuric acid in run-off water would result in a more acidic groundwater condition in these wells. Monitoring wells SO83-01, SO83-02, SO83-03 and SO09-01 did not exhibit a decrease in pH. To investigate the potential influence of groundwater elevation variations on the shallow groundwater monitoring wells, groundwater elevation trends were developed for the three downgradient monitoring wells. Figure 8f displays the groundwater elevations in monitoring wells SO83-01, SO83-02, and SO83-03 for the last 84 sampling events. Groundwater elevations in each of these three monitoring wells was initially elevated by approximately two feet during the First Quarter 2020 which was attributed to breakage along a potable water force main adjacent to these wells. Groundwater elevations were elevated in each throughout the 2021 monitoring period which may be related to increased infiltration following remediation of the coal pile in early 2021. Remediation consisted of removal of all residual coal, addition of limestone, topsoil and seeding.
- Monitoring well SO88-29 is located immediately downgradient of the former sludge stabilization basin (Figure 2) which was closed by excavation, removal, and backfill in January 2021 in accordance with Part 257.102(c) of the Federal CCR Rule and the certified Closure Plan (October 2016). Due to the basin closure, samples were not collected from the Basin in 2021, however data from the former SSB has historically plotted on the right-central portion of the diagram (Figure 4). The plot location of downgradient basin monitoring well SO88-29 remains relatively unchanged when compared to the 2020 monitoring location. Impacts to downgradient groundwater from the former SSB were first identified in the 1999 monitoring summary and were attributed

to separations in the basin liner which were repaired in October 2000 and again in January 2004 which may have contributed additional impacts to groundwater local to SO88-29. Chloride has been identified as a major anion in the source water at the sludge stabilization basin. To further investigate the geochemistry in SO88-29, a chloride timeseries plot has been developed to monitor downgradient groundwater impacts from the sludge stabilization basin, following the basin liner repairs performed in 2000 and 2004 (Figure 9). Chloride concentrations at SO88-29 exhibit significant seasonal variation and have exhibited an overall decreasing trend since 2014. The seasonal high concentrations generally coincide with seasonally low groundwater elevations at the Station area. Several other constituents present at elevated concentrations in background groundwater exhibit similar seasonal variation including magnesium, manganese, sulfate and TDS. Furthermore, a recommendation of the 2004 annual report was the addition of ammonia to the parameter list to monitoring well SO88-29 as well as monitoring well SO88-28, located directly upgradient from the sludge stabilization basin. Ammonia detections in groundwater monitoring wells downgradient of the basin were below the NYS Class GA Groundwater Standard of 2.0 mg/L. Based on the groundwater flow direction presented on Figure 3, monitoring wells SO82-09 and SO82-09A are located downgradient of the former SSB. Analytical results for these monitoring wells presented in Appendix A show no impacts to groundwater like those observed in well SO88-29. This indicates that the elevated concentrations observed in well SO88-29 are limited to an area immediately downgradient of the former SSB and do not extend to the downgradient Site boundary. Trace element chemistry does not exceed NYS Groundwater Quality Standards and improvements in groundwater quality are anticipated following basin closure.

4.2 Somerset SWDA Monitoring Results

The following sections present an evaluation of the monitoring results for SWDA I and SWDA II.

4.2.1 Groundwater Level Monitoring

Table 6 presents a summary of SWDA groundwater level measurements for each of the four quarterly sampling events. Groundwater flow directions at SWDA I is depicted on a shallow groundwater contour map (Figure 10) constructed utilizing the data from the First Quarter (January 2021) monitoring event. Groundwater flow is north toward Lake Ontario.

Figure 11 presents groundwater contours for SWDA II during the First Quarter (January) 2021. Groundwater flow across the northern portion of SWDA II is northward toward Lake Ontario. Across the southern portion of SWDA II groundwater flow is northwestward with a local high groundwater elevation in the southeast corner of the Site.

4.2.2 SWDA I – Closed Area Groundwater Quality Monitoring

Groundwater quality evaluation methodology for SWDA I is focused on concentration relationships between two major cations, calcium and magnesium and a major cation, potassium and a major anion, chloride. This evaluation methodology was developed by Stearns and Wheler (February 1993) and instituted in 1998 when the Sub-Area J expansion, located in Area I of the SWDA began operation. Initially, three leachate collection underdrains were sampled and analyzed (i.e. SAPXUD-XX01, XX02 and XX03). Beginning with the July 2003 sampling event, three additional underdrains (i.e. SAPXUD-XX04, XX05 and XX06) were sampled and analyzed corresponding to operations in sub-areas K and L located in the western portion of the SWDA I landfill footprint.

One groundwater suppression system sampling point is sampled and analyzed for SWDA I identified as SAGXGDXX01 (aka: "Lake Ontario Underdrain") which was originally installed to drain groundwater from Area I during construction. The SWDA I suppression system is located northwest of the Lake Ontario Basin and empties into the discharge header/outfall of Lake Ontario Basin.

4.2.2.1 Calcium/Magnesium Ratio

The ratio of calcium (Ca) to magnesium (Mg) concentration for each SWDA I shallow groundwater monitoring location was determined for each monitoring event and is presented on Tables 7 to 10. In addition, the Ca/Mg ratio for the eight leachate sampling locations is included on the tables. Stearns and Wheler (1993) determined through a statistical evaluation of SWDA I groundwater that a Ca/Mg ratio for shallow groundwater monitoring location samples above a threshold value of 8.85 may indicate the presence of leachate in groundwater at the site. Based on a review of the Ca/Mg ratios presented on Tables 7 to 10, Ca/Mg ratios are below the threshold value for the SWDA I Upper Water-Bearing Zone (UWBZ) sampling locations. This evaluation indicates shallow groundwater quality at SWDA I is not impacted by landfill leachate.

4.2.2.2 Potassium/Chloride Scatterplots

Stearns and Wheeler (1993) demonstrated that the relationship of potassium (K) to chloride (Cl) for groundwater samples may be used to indicate potential groundwater quality impacts from landfill leachate. Potassium concentrations were plotted versus chloride for all SWDA I and SWDA II groundwater monitoring wells for each quarterly monitoring event. A least-squares linear regression was developed to evaluate the linear relationship of K and Cl. Figures 12 to 15 present the plots showing this relationship. In addition, K vs. Cl concentrations were plotted on the figures for leachate samples collected during the same monitoring events to compare the relationship of K and Cl for leachate and groundwater. As shown on the figures, the relationship between K and Cl is strongly linear for each of the four monitoring events. Potassium concentrations in leachate are much higher than in any of the groundwater samples (overburden or bedrock). Regression analysis (R-squared values) ranged from 0.4703 to 0.9549 for the four

2021 monitoring events. Elevated detection limits (500 ppm) for potassium in several bedrock wells during the First and Second Quarter resulted in low-biased R-squared values for these monitoring events, however Third and Fourth Quarter R-squared values are similar to previous monitoring years. Leachate mixing with groundwater would show groundwater sample points deviating from the linear relationship identified on the figures. Based on a review of the other K vs. Cl plots for each quarterly monitoring event, groundwater at SWDA I is not impacted by landfill leachate.

Groundwater suppression system data are also plotted on Figures 12 to 15. Data from the Lake Ontario SWDA I groundwater suppression system (SAGXGDXX01) continue to exhibit significant variability in the concentration of several leachate indicator parameters including chloride, sulfate, TDS, and sodium. As part of routine O&M activities, a portion of the groundwater suppression and leachate laterals for both SWDA I and SWDA II were last flushed in Spring 2021 to assure laterals were open and flowing properly. Additional O&M cleanings are planned for Spring 2022.

4.2.2.3 Other Observations

Analytical data for shallow monitoring well SAGDSH-8701, located east and upgradient of SWDA I, has routinely detected elevated concentrations of constituents reflective of deeper bedrock chemistry. The concentrations of boron, chloride, iron, manganese, sodium, sulfate, and total dissolved solids are typically elevated compared to other shallow wells in SWDA I. Based on the groundwater contour map for SWDA I, (Figure 10) SAGDSH-8701 is located hydraulically upgradient of SWDA I and the groundwater chemistry at this location is representative of background conditions. Furthermore, since the leachate indicators are not elevated (per scatter plots and ionic ratios), the differences in water chemistry compared to other shallow groundwater monitoring wells are not related to SWDA I.

Total arsenic was detected at concentrations slightly above the Class GA Groundwater Standard (0.025 mg/L) in shallow downgradient and cross gradient groundwater at the following locations:

- SAGCSH-9226 (Fourth Quarter)
- SAGDSH-9124 (Fourth Quarter)
- SAGDSH-9125 (Fourth Quarter)
- SAGDSH-9751 (First through Fourth Quarters)
- SAGDXX-8301 (Fourth Quarter)

These detections are within the range of historic concentrations at these locations and no increasing concentration trend has been identified at any location.

Monitoring well SAGCSH-9226 historically exhibited an increase in the concentration of sodium, chloride and TDS beginning with the fourth quarter 2004 sampling period. The

concentrations of these constituents have continued to remain elevated since that period, and exhibit significant variability. Data review suggests the influence of deeper bedrock geochemistry following the deep excavation for installation of the SWDA II leachate conveyance piping and backfill, which is partially installed in upper bedrock. A piper plot exhibiting the shift from overburden and shallow bedrock groundwater toward deeper bedrock chemistry was first prepared for the 2005 Groundwater Quality Monitoring Report. The low Ca/Mg ratio (1.7 to 5.0 range for 2021) and its plot location on the quarterly K/Cl scatterplots indicate that the elevated concentrations reflect continued influence from deeper bedrock chemistry, and do not indicate impact from leachate. Geochemical trends and groundwater elevations will continue to be evaluated during 2021.

Evaluation of water quality data for shallow wells near Fish Creek Basin (upgradient of SWDA I) identified changes to shallow groundwater quality in samples collected from monitoring well SAGDSH-9121 during the late 1990s. During this time, water quality impacts were observed by significant variability in key leachate indicator parameter concentrations (i.e., chloride). Figure 16 presents a historical time-series plot of chloride concentrations at this location since its installation in 1991. The implementation of the corrective action at the basin has included the installation of single-composite 60-mil HDPE basin liner, continuous discharge of leachate and surface water to the SWDA II basin via double-walled conveyance piping and discontinued use of Fish Creek Basin outfall. The effectiveness of the corrective actions will continue to be evaluated by assessing groundwater quality at location SAGDSH-9121.

4.2.3 SWDA II Groundwater Quality Monitoring

Groundwater chemistry at the SWDA II site is analyzed using intra-well comparisons, a procedure in which sample chemistry from each detection monitoring well is evaluated in relation to its own historical data. Performance of groundwater monitoring using intra-well data comparisons is widespread practice and is fully supported by the NYSDEC and USEPA. In addition, intra-well data comparisons are more effective than upgradient to down-gradient comparisons at sites such as the Somerset facility, where groundwater chemistry is spatially variable (intra-well monitoring eliminates the spatial component of natural groundwater chemistry variability). This spatial component comprises a sizable portion of the total variability that must be accounted for by the data evaluation methodology. This method is particularly appropriate for groundwater monitoring because:

- Constituent concentrations in the UWBZ and Lower Water-Bearing Zone (LWBZ) are spatially and temporally variable;
- Well-defined, similar groundwater flow patterns in the UWBZ (as shown on historical groundwater elevation contour maps) ensure appropriate detection well placement; and,

• Information obtained through intra-well monitoring is more representative of true background conditions (relative to inter-well monitoring), as it eliminates the spatial component of groundwater chemistry variability.

Analytical data obtained for groundwater samples collected during detection monitoring are evaluated in accordance with the 2008 SWDA II EMP through constituent-specific comparisons to:

- Significant increasing chemical constituent concentration data trends unrelated to overall background changes to water quality;
- Class GA groundwater quality standards and guidance values presented in TOGS 1.1.1,
 and;
- Assessment trigger values established for each chemical constituent using the concentration of a parameter greater than three standard deviations above the mean baseline concentrations consistent with 6NYCRR Part 360-2.11(c)(5)(ii)(d). Quarterly laboratory analytical data and assessment trigger values for each well are presented in Appendix C where a minimum of 10 quarters of background water quality data exist.

If all three of the above criteria are met, the constituent(s) detected at elevated concentrations are compared to increases in concentrations of other inorganic constituents that are typically detected in the leachate. This is necessary since analysis for compounds in groundwater will detect constituents that are present naturally in groundwater and an increase in constituent concentration may not be landfill related. Therefore, the analytical results for the particular well of concern are compared to its general baseline chemical fingerprint described by a Piper trilinear diagram. A Piper trilinear diagram displaying the key assessment parameters and background groundwater chemistry for each well is provided in Table 11. The assessment trigger values presented for each well in Table 11 are derived from a minimum of ten quarters of background (prior to SWDA II construction) water quality data. In addition to intra-well comparison methods described above, groundwater at SWDA II is also evaluated based on established comparison criteria utilized for SWDA I, including the calculation of calcium/magnesium ratios and the development of potassium-chloride scatterplots.

A summary of the 2021 SWDA II laboratory analytical data is provided in Appendix C. Analytical results for each monitoring well are compared to the respective established assessment trigger values, as well as the NY Class GA Groundwater Standards. Several inorganic constituents including calcium, magnesium, potassium, sodium and strontium were detected in upgradient and downgradient monitoring wells at concentrations slightly above both the Class GA Standard and the assessment trigger value established for each well. A discussion of analytical results for the SWDA II groundwater monitoring well network follows:

- Leachate generated at the SWDA II facility is sampled in the leachate vault on the north end of SWDA II under the sample designation SAPXUD-XX07A (east leachate collection header) and SAPXUD-XX07B (west leachate collection header). SWDA II leachate collection system data is presented in Appendix C.
- As described in Section 3, assessment monitoring was implemented at several downgradient and cross-gradient SWDA II shallow groundwater monitoring wells following the preparation of the 2014 Groundwater Quality Monitoring Report. Along with the implementation of assessment monitoring, corrective actions were undertaken and are described in detail in Section 4.2.4. Assessment monitoring includes quarterly sampling for the EMP Baseline parameter sampling list (Table 4) for the wells exhibiting exceedances of the applicable assessment trigger values. Two surface water bodies, Fish Creek and a small pond situated northeast of SWDA II are also sampled for the EMP Baseline parameter list on a quarterly basis. A detailed description and discussion of the assessment monitoring for these locations is provided in Section 4.2.4 below.
- Concentrations of sulfate which began to exhibit an increasing trend throughout the 2009/2010 monitoring period in SWDA II downgradient shallow monitoring wells SAGDSH-0306, SAGDSH-0307, and cross-gradient wells SAGDSH-0308 and SAGDSH-0309 were again elevated during quarterly sampling events in 2021 with respect to their assessment trigger values. Sulfate concentrations in the following monitoring wells were above their respective assessment trigger values for all four quarters of 2021.

| Well ID | Sulfate Assessment Trigger Value (mg/L) |
|-------------|--|
| SAGDSH-0306 | 165 |
| SAGDSH-0307 | 205 |
| SAGDSH-0308 | 117 |
| SAGDSH-0309 | 285 |

The sulfate concentration in each of these wells exhibits significant seasonal variability. Total Dissolved Solids (TDS) concentrations in SAGDSH-0306, SAGDSH-0307, SAGDSH-0308 and SAGDSH-0309 were elevated with respect to the assessment trigger value during each sampling event in 2021. These trends are shown on Figure 17. Sulfate and TDS concentrations continue to exhibit an overall increasing trend in wells SAGDSH-0306, SAGDSH-0307 and SAGDSH-0308. At location SAGDSH-0309,

concentrations of sulfate and TDS have varied within a range of seasonal variability since 2011 without displaying an overall trend. Sodium was detected above the Assessment Trigger Value at location SAGDSH-0307 (Second and Third Quarters), and SAGDSH-0308 (First, Third and Fourth Quarters). Sodium concentrations in shallow groundwater upgradient of SWDA II ranged from 67.6 mg/L (SAGUSH-9141, Third Quarter) to 265 mg/L (SAGUSH-0201, Second Quarter) during 2021 and was detected above the Assessment Trigger Value in well SAGUSH-9141 during each quarter in 2021. These results indicate variable or increasing sodium concentrations upgradient of SWDA II and representative of increasing background conditions. The concentrations of other key leachate indicator parameters including bromide, chloride, and potassium, are not elevated in these wells. The lack of the mentioned key leachate indicator parameters confirms that that the detections of elevated sulfate, TDS and intermittent elevated concentrations of sodium are not directly attributed to CCR leachate impacts. Sulfate, TDS and sodium concentrations, as well the concentration of other leachate indicator parameters will continue to be monitored throughout the 2022 monitoring period.

- Total Strontium was detected slightly above the assessment trigger values at cross gradient shallow monitoring well locations SAGDSH-0307 (First and Second Quarter) and SAGDSH-0308 (Third and Fourth Quarters) during the 2021 monitoring period. Strontium concentrations in upgradient shallow SWDA II wells are frequently higher than those in cross gradient and downgradient monitoring wells. In addition, upgradient bedrock groundwater samples contain an order of magnitude higher concentration of total Strontium than overburden groundwater. The detection of total Strontium in background groundwater at comparable concentrations suggests that the concentrations detected in downgradient monitoring wells may be indicative of long-term natural concentration variability. The Strontium concentrations in monitoring wells surrounding SWDA II will continue to be assessed for concentration trends throughout the 2022 monitoring period.
- Ammonia was detected at concentrations above the respective trigger values in SWDA II upgradient deep bedrock monitoring wells SAGUD-0201 (8.7 to 8.9 mg/L) and SAGUD-9141 (4.2 to 5.5 mg/L). Ammonia was also detected above the respective assessment trigger values in SWDA II downgradient deep bedrock monitoring wells SAGDD-0203 (17.9 to 18.5 mg/L) and SAGDD-0711 (8.9 to 9.2 mg/L). Ammonia was not detected above the applicable assessment trigger values in shallow downgradient groundwater samples. The detection of ammonia in upgradient SWDA II monitoring wells indicates that its presence in deep bedrock groundwater is not related to site activities and is not indicative of impacts from SWDA II leachate.
- Total Alkalinity was detected above the applicable statistical trigger values in several shallow monitoring wells in SWDA II. These detections suggest an increasing background source concentration for total alkalinity and are not indicative of impacts from SWDA II.

- Total calcium and magnesium were detected above the respective assessment trigger values at several downgradient and cross-gradient shallow monitoring wells during 2021. Calcium has historically detected (2018) above the assessment trigger value in upgradient monitoring well SAGUSH-9141. Magnesium was detected above the assessment trigger value in upgradient well SAGUD-0201 during three of four sampling events in 2021, and calcium was detected above the assessment trigger value at this location during the Third Quarter sampling events. The detection at both upgradient, cross-gradient and downgradient locations indicates that magnesium and calcium are both present at variable concentrations in background groundwater. Calcium/magnesium ratios for SWDA II monitoring points are presented on Tables 7 through 10. The calculated ratios for the 2021 monitoring period are below the 8.85 threshold value above which may indicate leachate impacts to site groundwater.
- Potassium-chloride scatterplots were generated for SWDA I groundwater and leachate collection and the SWDA II groundwater, leachate collection system and groundwater suppression system monitoring locations for the 2021 period and are presented on Figures 12 through 15. Regression analysis (R-squared values) for the groundwater trend line ranged from 0.4703 to 0.9549 for the four 2021 monitoring quarters. Leachate mixing with groundwater would show groundwater sample points deviating from the linear relationship identified on the figures. Based on a review of the K vs. Cl plots for each quarterly monitoring event, groundwater at SWDA II is not impacted by landfill leachate.

Leachate generated at the SWDA II facility is collected by the leachate collection system. The system is comprised of a system of laterals which feed into an eastern and western header (SAPXUD-XX07A and SAPXUD-XX07B, respectively) which are combined in the leachate collection vault at the northern edge of SWDA II and gravity drains to Somerset Basin with SWDA II leachate before batch-discharge to Lake Ontario (Figure 2) in accordance with the facility's existing SPDES permit. A five-foot separation between the seasonal high groundwater elevation and the base elevation of the landfill is maintained by the groundwater suppression system, which is constructed similarly to the leachate collection system. Liquid samples collected from the eastern and western headers of the groundwater suppression and leachate collection systems are sampled at discrete locations in each header. SWDA II eastern groundwater suppression system sample location SAGXGDXX02A was sampled during each quarterly sampling event. The western groundwater suppression system header sampling point data (SAGXGDXX02B) was dry during all 2021 quarterly sampling events. Analytical results for the SWDA II leachate collection and groundwater suppression systems are provided in Appendix C.

4.2.4 SWDA II Assessment Monitoring and Corrective Action

Based on the intrawell evaluation criteria documented in Section 6.0 of the 2008 SWDA II EMP, assessment monitoring was implemented during the Second Quarter 2015 for select SWDA II

monitoring wells exhibiting increasing concentration trends and/or concentrations of constituents above applicable assessment trigger values. Subsequently, surficial CCR material was identified in the perimeter ditch along the northern and northeastern edge of the landfill, as well as in the storm water retention basin at the northeastern corner of SWDA II. Each of these areas was excavated during the Third and Fourth Ouarter in 2015 to remove the material which was then transported to the active disposal cell in SWDA II. Other mitigative measures conducted were the placement of final cover on the northeastern portion of the landfill during the Third and Fourth Quarters of 2016 and placement of final cover on the northern and western portions of the landfill during the Second and Third Quarters of 2017, to further prevent CCR material from entering the perimeter ditches and to minimize direct storm water contact with CCR material. The perimeter stormwater control berm surrounding the active SWDA II cell was enhanced during the Third Quarter 2018 to control surface water runoff and mitigate CCR runoff resulting from snowmelt and heavy precipitation events. Additional mitigative measures were implemented in 2019 to further control runoff and included increasing the height of the perimeter control berm to approximately three feet with compacted clay followed by a layer of seeded topsoil to prevent erosion.

As part of assessment monitoring, groundwater samples were collected from the following monitoring wells and the indicated surface water monitoring locations and were analyzed for the Baseline Parameter List identified in the EMP:

- SA02-03S
- SA03-06S
- SA03-07S
- SA03-08S
- SA03-09S
- Fish Creek Upstream Location (SASUSS-XX01)
- Fish Creek Downstream Location (SASDSS-XX02)
- The small pond located in the northeastern corner of SWDA II (SAPOND-XX01)

A summary of SWDA II assessment monitoring location data is provided in Appendix C. Assessment monitoring locations are shown on Figure 2. A trilinear piper diagram was prepared to compare the geochemical signature of SWDA II leachate with the signature of the surface water and shallow groundwater locations listed above. The diagram, presented as Figure 18, displays data from the four quarterly monitoring events for each assessment monitoring location. On the diagram, samples collected from the SWDA II leachate headers plot in the central, right-hand portion of the diagram, bounded by SWDA II leachate chemistry ellipse displaying dominance of the sodium, potassium and chloride ions. The tight cluster of SWDA II leachate data exhibits little variability in leachate chemistry between leachate sampling locations SAPXUDXX07A (east leachate header) and SAPXUDXX07B (west leachate header) throughout the 2021 monitoring period. SWDA II groundwater assessment monitoring locations plot in the upper left portion of diagram opposite from leachate data, indicating a dominance of calcium.

The upgradient bedrock groundwater ellipse for SWDA II (monitoring well SAGUD-0201) is presented for comparison.

The background geochemical fingerprints for SWDA II wells are documented on the Piper plots provided in Table 11. The updated plot locations of monitoring wells SAGDSH-0306, SAGDSH-0307, SAGDSH-0308 and SAGDSH-0309 for the 2021 monitoring period (Figure 18) fall along a mixing line characteristic of sulfate enrichment as indicated by the upward shift on the plot. If the elevated concentrations of sulfate observed in these wells were a result of SWDA II leachate impacts, the plot locations would exhibit a shift toward the right side of the diagram toward the SWDA II leachate chemistry ellipse.

Surface water data from Fish Creek and the small pond located northeast of the SWDA II footprint plot similarly to SWDA II groundwater and do not exhibit any enrichment in leachate-dominant ions. Data from SWDA II groundwater suppression system sample location SAGXGDX02B (East GW suppression lateral) are also provided, which plot in the uppermost portion of the diagram and exhibit an enrichment in sulfate when compared to shallow groundwater well results. It is important to note that chloride is not elevated indicating the enrichment is not leachate related. The SWDA II West groundwater suppression system header was dry during all four quarterly events in 2021 and was not sampled.

Constituent concentrations for samples collected from the Fish Creek upstream and downstream surface water sampling locations are comparable and indicate no impacts from the SWDA. Similarly, the surface water sample collected from the small pond northeast of SWDA II did not exhibit elevated concentrations of any leachate indicator parameters.

Based on the geochemical comparisons provided on the piper diagram, the concentration trends identified in shallow downgradient groundwater are not indicative of a leachate release to groundwater, and it is anticipated that the mitigative measures undertaken since 2015 will result in an improvement in groundwater quality at the cross-gradient and downgradient edges of SWDA II. Assessment monitoring at the locations described above will continue throughout the 2022 monitoring period to evaluate the effectiveness of these measures.

4.3 Groundwater Monitoring Summary

4.3.1 Station Area

Geochemical and statistical data were utilized to evaluate the potential impacts to groundwater at the Somerset Site. Based on the plot of major ion chemistry for monitoring locations located in the Station Area (Figure 4), the basins are not impacting groundwater at the Station Area. The addition of ammonia to the groundwater parameter list for monitoring well SO83-06 downgradient of Settling Basins 2, 3 and 4 has further assisted in the identification of potential basin impacts to shallow downgradient groundwater in that area. Dominant anion and cation chemistry concentration trends exhibited a seasonably-variable but stable trend throughout the

2021 monitoring period in wells downgradient of the coal storage pile. Concentration trends in these wells will continue to be monitored throughout the 2022 monitoring period.

Concentrations of several leachate indicator parameters which exhibited an increase throughout 2019 in shallow well SO83-05 adjacent to Settling Basin #1 were attributed to separations in the basin liner material identified and repaired in early 2020. Repairs to the liner in early 2021 have reflected overall decreasing concentrations in these leachate parameters during 2021 and continued groundwater quality improvement is anticipated. Groundwater quality downgradient of the Basin will be assessed throughout 2022 to evaluate the effectiveness of the repairs. The Former Sludge Stabilization Basin was closed by removal in 2021 in accordance with Part 257.102(c) of the Federal CCR Rule and the certified Closure Plan. As of May 2021, all Basin construction materials have been removed and the excavation was backfilled and seeded. Groundwater monitoring upgradient and downgradient of the Basin will continue to evaluate groundwater quality following Basin removal.

4.3.2 SWDA I

Based on geochemical relationships between landfill leachate and shallow and deeper bedrock groundwater at SWDA I, localized impacts exist at well SAGDSH-9121, near Fish Creek Basin caused by historic exfiltration from the basin. Reduced storage capacities, liner improvements, and immediate conveyance from the basin to the SWDA II basin via double-walled conveyance piping have facilitated improvements in groundwater quality at the well. This well will continue to be monitored throughout 2022. The change in water chemistry that occurred in well SAGSCH-9226 beginning with fourth quarter 2004 (located west of SWDA I) continues to exhibit significant seasonal variability in the concentration of TDS, chloride and sodium. This geochemical variation is due to influence from deeper bedrock groundwater and does not indicate impact from leachate chemistry. Groundwater elevations in monitoring wells near the conveyance piping have equilibrated near pre-construction groundwater elevations. The detections of arsenic above the Class GA groundwater standard at several monitoring locations downgradient and cross-gradient of SWDA I are well within historic ranges. These concentrations are considered representative of background site groundwater quality and are commonly related to elevated sample turbidity.

4.3.3 SWDA II

Groundwater quality at the SWDA II is evaluated through the comparison of quarterly analytical data with established trigger values which are used to identify a significant increase in the concentration of groundwater constituents. Several inorganic constituents were detected at concentrations above the assessment trigger values at monitoring locations both upgradient and downgradient of the SWDA II. These detections have suggested that these analytes are intermittently present at background concentrations above the established trigger values and represent natural variation in constituent concentrations as overburden groundwater levels decrease and groundwater entering the well screen is predominantly bedrock groundwater.

Concentrations of sulfate and TDS downgradient and cross-gradient of SWDA II continue to exhibit an increasing trend or remain elevated when compared to historical values; however, increasing concentration trends are not observed for leachate indicator parameters, such as bromide, chloride, and potassium, therefore impacts from the landfill are not suspected. Assessment monitoring to evaluate the effectiveness of the previous corrective actions will continue throughout the 2022 monitoring period.

5.0 Year 2021 Annual Solid Waste Operating Report

The following sections present the Year 2021 Annual Solid Waste Operating Report. The reporting period is inclusive of January 1, 2021 to December 31, 2021.

5.1 Owner/Facility Information

FACILITY NAME: SOMERSET OPERATING COMPANY, LLC DEC FACILITY CODE #: 32N34

TOWN: Barker COUNTY: Niagara DEC REGION: 9

PART 360 PERMIT: Licensed under PSC Case 80002 ISSUED: 6/27/84

EXPIRES: N/A

OWNER/OPERATOR: SOMERSET OPERATING COMPANY, LLC

ADDRESS: 7725 Lake Road

Barker, NY 14012

PHONE: (716) 795-9501

5.2 Quantity of Solid Waste Disposed

Solid Waste Disposal Area II

| Type of Solid Waste | Quarter 1 (tons) | Quarter 2 (tons) | Quarter 3 (tons) | Quarter 4 (tons) | Total Year (tons) | Daily Average (tons) |
|--|---------------------|---------------------|---------------------|---------------------|----------------------|-------------------------|
| FGD by-products (stabilized with fly ash and lime) | 341 | 940 | 0 | 0 | 1281 | 3.5 |
| Bottom Ash | 0 | 0 | 0 | 0 | 0 | 0 |
| Mill rejects/pyrites | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Industrial Material | 1084 | 0 | 0 | 899 | 1983 | 5.4 |
| Total Tons Disposed | 1425 | 940 | 0 | 899 | 3264 | 8.9 |

Tonnages obtained by: Truck Count.

Fly Ash sold as beneficial use = 0 tons

Bottom Ash sold as beneficial use = 0 tons

Waste origination by location and %: Somerset Station 100 %

5.3 Unauthorized Solid Waste

No unauthorized waste was received by this landfill.

5.4 Site Life of Solid Waste Disposal Areas

| EXISTING LANDFILL | | | | | | | |
|---------------------|-----------------------------------|---|--|--|--|--|--|
| Remaining Site Life | 12 years 9 months | Based on landfill waste disposal rate of 7,000 cubic yards/year | | | | | |
| Remaining Capacity | 89,695 cubic yards as of 12/31/21 | Area II, Phases A-H (E & F east Phases only) Site capacity based on "best case" calculations. This does not include Phases G & H East capacity (included below) | | | | | |

SWDA III which was designated and approved for future expansion will not be developed following retirement of the coal-fired unit in March 2020.

5.5 Materials Recovered

No landfilled material was recovered during the previous calendar year.

The landfill is not authorized to handle recyclable material or process C&D debris.

5.6 and 5.7 Primary Leachate and Surface Runoff

Lake Ontario Basin

| LEACHATE (gallons) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL TOTAL (gallons) |
|-----------------------|-----|-----------|-----|-----|-----|-----------|-----|-----|-----|-----------|-----|-----|------------------------------|
| Collected | 0 | 5,035,309 | 0 | 0 | 0 | 5,306,879 | 0 | 0 | 0 | 5,035,309 | 0 | 0 | 15,377,497 |
| Treated On-Site | 0 | 5,035,309 | 0 | 0 | 0 | 5,306,879 | 0 | 0 | 0 | 5,035,309 | 0 | 0 | 15,377,497 |
| Treated Off-Site | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

* Reported values represent the monthly average quantity of primary leachate and contact surface runoff collected between batch discharges.

Somerset Basin

| LEACHATE (gallons) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL TOTAL (gallons) |
|-----------------------|-----|-----|-----------|-----|-----|-----------|-----|-----|-----|-----|-----------|-----|------------------------------|
| Collected | 0 | 0 | 5,076,542 | 0 | 0 | 3,761,656 | 0 | 0 | 0 | 0 | 5,116,195 | 0 | 13,954,393 |
| Treated On-Site | 0 | 0 | 5,076,542 | 0 | 0 | 3,761,656 | 0 | 0 | 0 | 0 | 5,116,195 | 0 | 13,954,393 |
| Treated Off-Site | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

- Reported values represent the monthly average quantity of primary leachate and contact surface runoff collected between batch discharges.
- Fish Creek Basin discharge to Fish Creek has been sealed. Leachate and surface runoff collected in Fish Creek Basin flows to Somerset Basin.

No off-site leachate treatment facility was utilized. The operating facility has an engineered liner with a leachate collection system. Primary leachate and contact surface runoff are collected from a 104-acre area.

Leachate quality data are provided in Appendixes A, B and C.

5.8 Tipping Fee/Leachate Treatment Cost

Not applicable to this facility.

5.9 Cost Estimates and Financial Assurance Documents

Not applicable to this facility.

5.10 Changes

There have not been deviations from or changes in the plans, specifications or permit conditions at this facility during the previous calendar year.

5.11 Water Quality Summary

Groundwater quality is discussed in the body of this report.

5.12 Analytical Results

Analytical results are provided in Appendixes A, B and C.

5.13 Data Comparison

Tables comparing site groundwater to 6 NYCRR Part 703 Water Quality Standards is provided in Appendixes A, B and C.

5.14 Discussion of Results

A discussion of analytical results is provided in the body of this report. A site map is provided as Figures 1 and 2.

5.15 Data Quality Assessment

An assessment of the data quality was performed by the New York State Department of Health certified laboratory operated by Adirondack Environmental Services, Inc. located in Albany, New York. Adirondack Environmental Services (ELAP ID# 10709) has all QA/QC documentation on file.

5.16 Collection Basins

SWDA I has two lined collection basins, Fish Creek Basin and Ontario Basin, for leachate and contact surface water collection and treatment. Surface water analytical results are provided in Appendixes A and B. Groundwater quality results are discussed in the body of this report. SWDA Area II has one lined collection basin located northwest of SWDA I, Somerset Basin, for leachate and contact surface water collection from SWDA Area II. Fish Creek Basin also discharges to Somerset Basin.

5.17 Additional Permit Reporting Requirements

Long Term Solid Waste Testing Program (permeability, compressive strength, wet density, dry density, and stabilized sludge elemental analysis) was not performed in 2021 due to the high variability in material physical properties placed in SWDA II.

There were no operational problems to report for 2021.

| Tables | | |
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5.18 Signature and Date

Owner or Operator must sign, date, and submit one completed form with an original signature to:

Mr. James Austin
Energy Resources and the Environment
New York State Department of Public Service
Three Empire State Plaza
Albany, New York 12233-1350

and a copy to the New York State Department of Environmental Conservation.

I hereby swear or affirm that information provided on this form and attached statements and exhibits is true to the best of my knowledge and belief.

| Signature: | Date: |
|----------------------|-------|
| Nama: Mark Zimmarman | |

Name: Mark Zimmerman

Title: Material Handling Manager

Address: Somerset Operating Company, LLC

7725 Lake Road

Barker, New York 14012

Phone Number: (716) 795-9501

Table 1. Derivation of Monitoring Location Site Codes 2021 Annual Report Heorot Power- Somerset Operating Company Barker, New York

The Site Code is derived from a 10 character system as described below:

S A G D S H 9 1 3 1 Character Position: 1 2 3 4 5 6 7 8 9 10

| Character Decition | llaana | Codes Head | Definition |
|--------------------|-------------------|------------|---|
| Character Position | Usage | Codes Used | Definition |
| 1 & 2 | Site | SA | Somerset SWDA |
| | | SO | Somerset Station |
| | | G | Groundwater |
| 3 | Source | S | Surface Water |
| | 334.33 | Р | Process water (water prior to treatment and discharge) |
| | | С | Crossgradient |
| | | D | Downgradient |
| 4 | Relative Location | I | Inner Loop (applies to Loop Track Basins |
| | | U | Upgradient |
| | | Х | No designation |
| | | Α | Well "A" |
| | | D | Deep Well |
| | | GD | Groundwater suppression system |
| | | LT | Loop Track Basin |
| | | LD | Leak detection system |
| 5 & 6 | Location | SH | Shallow Well |
| | | SP | Basin |
| | | SS | Stream Water |
| | | UD | Underdrain (Leachate Collection System) |
| | | XX | No designation |
| 7, 8, 9 & 10 | Well/Point Number | | Year well was installed and number or sample point number |

GEI Consultants, Inc. Page 1 of 1

Table 2. Station Groundwater Monitoring Locations 2021 Annual Report Heorot Power- Somerset Operating Company Barker, New York

| | | Hydraulic |
|-------------|----------|---|
| Well ID | Map ID | Location* |
| SOGUXX8201 | SO82-01 | Upgradient of Station |
| SOGUA-8204 | SO82-04A | Upgradient of Station |
| SOGUXX8204 | SO82-04 | Upgradient of Station |
| SOGNA-8206 | SO82-06A | Crossgradient of Station |
| SOGNXX8206 | SO82-06A | Crossgradient of Station |
| SOGDXX8208 | SO82-08 | Crossgradient of Station |
| SOGDA-8209 | SO82-09A | Downgradient of Station |
| SOGDXX8209 | SO82-09 | Downgradient of Station |
| SOGDXX8301 | SO83-01 | Downgradient of Former Coal Storage |
| SOGDXX8302 | SO83-02 | Downgradient of Former Coal Storage |
| SOGDXX8303 | SO83-03 | Downgradient of Former Coal Storage |
| SOGDXX8304 | SO83-04 | Downgradient of Settling Basin 1 |
| SOGDXX8305 | SO83-05 | Downgradient of Settling Basin 1 |
| SOGDXX8306 | SO83-06 | Downgradient of Settling Basin 2, 3, & 4 |
| SOGDXX8307 | SO83-07 | Downgradient of Settling Basin 2, 3, & 4 |
| SOGUA-8308 | SO83-08 | Upgradient of Station |
| SOGDD-8802 | SO88-02D | Downgradient of Former Coal Storage |
| SOGUD-8811 | SO88-11D | Upgradient of Station |
| SOGUSH8811 | SO88-11S | Upgradient of Station |
| SOGDXX8821R | SO88-21R | Downgradient of Settling Basin 2, 3, & 4 |
| SOGDXX8822 | SO88-22 | Downgradient of Settling Basin 2, 3, & 4 |
| SOGDXX8823 | SO88-23 | Upgradient of Settling Basins 2, 3, & 4 |
| SOGDXX8824 | SO88-24 | Upgradient of Settling Basin 1 |
| SOGDXX8825 | SO88-25 | Upgradient of Settling Basin 1 and Loop Track Basin 2 |
| SOGDXX8826 | SO88-26 | Downgradient of Loop Track Basin 1 |
| SOGDXX8827 | SO88-27 | Upgradient of Loop Track Basin 1 |
| SOGDXX8828 | SO88-28 | Upgradient of Stabilized Sludge Basin |
| SOGDXX8829 | SO88-29 | Downgradient of Former Stabilized Sludge Basin |
| SOGDXX1501 | SO15-01 | Downgradient of Former Stabilized Sludge Basin |
| SOGDXX1502 | SO15-02 | Downgradient of Former Stabilized Sludge Basin |
| SOGDXX0901 | SO09-01 | Downgradient of Former Coal Storage |

Notes:

GEI Consultants, Inc. Page 1 of 1

^{*} based on groundwater flow direction

Table 3. SWDA Groundwater and Surface Water Monitoring Locations 2021 Annual Report

Heorot Power- Somerset Operating Company Barker, New York

| Well ID Map ID | | Hydraulic Location* |
|----------------|----------|---|
| wwell 1D | Map ID | Location |
| SWDA I | | |
| SAGDXX-8207 | SA82-07 | Downgradient of Area II |
| SAGUXX-8213 | SA82-13 | Downgradient of Area III ⁽¹⁾ |
| SAGDXX-8301 | SA83-01 | Downgradient of Area I |
| SAGDXX-8303 | SA83-03 | Downgradient of Area I |
| SAGDXX-8305 | SA83-05 | Upgradient of Area I |
| SAGDXX-8306 | SA83-06 | Downgradient of Area I |
| SAGDSH-8701 | SA87-01S | Upgradient of Area I |
| SAGDD-8703 | SA87-03D | Downgradient of Area I |
| SAGDD-8705 | SA87-05D | Upgradient of Area I |
| SAGUD-8707 | SA87-07D | Upgradient of Area II |
| SAGUD-8713 | SA87-13D | Downgradient of Area III ⁽¹⁾ |
| SAGCD-9101 | SA91-01D | Upgradient of Area I |
| SAGDSH-9104 | SA91-04S | Downgradient of Area I |
| SAGDD-9121 | SA91-21D | Downgradient of Area I |
| SAGDSH-9121 | SA91-21S | Downgradient of Area I |
| SAGCD-9122 | SA91-22D | Crossgradient of Area I |
| SAGCSH-9122 | SA91-22S | Upgradient of Area I |
| SAGDD-9123 | SA91-23D | Crossgradient of Area I |
| SAGDSH-9123 | SA91-23S | Crossgradient of Area I |
| SAGDD-9124 | SA91-24D | Downgradient of Area I |
| SAGDSH-9124 | SA91-24S | Downgradient of Area I |
| SAGDD-9125 | SA91-25D | Downgradient of Area I |
| SAGDSH-9125 | SA91-25S | Downgradient of Area I |
| SAGUD-9128 | SA91-28D | Downgradient of Area I |
| SAGUSH-9128 | SA91-28S | Downgradient of Area I |
| SAGDD-9129 | SA91-29D | Downgradient of Area I |
| SAGDSH-9129 | SA91-29S | Downgradient of Area I |
| SAGDD-9131 | SA91-31D | Downgradient of Area III ⁽¹⁾ |
| SAGDSH-9131 | SA91-31S | Downgradient of Area III ⁽¹⁾ |
| SAGDD-9132 | SA91-32D | Downgradient of Area III (1) |
| SAGDSH-9132 | SA91-32S | Downgradient of Area III ⁽¹⁾ |
| SAGDD-9133 | SA91-33D | Downgradient of Area III ⁽¹⁾ |

Table 3. SWDA Groundwater and Surface Water Monitoring Locations 2021 Annual Report

Heorot Power- Somerset Operating Company Barker, New York

| | | Hydraulic |
|-------------|----------|---|
| Well ID | Map ID | Location* |
| SAGDSH-9133 | SA91-33S | Downgradient of Area III ⁽¹⁾ |
| SAGDD-9134 | SA91-34D | Downgradient of Area III ⁽¹⁾ |
| SAGDSH-9134 | SA91-34S | Downgradient of Area III (1) |
| SAGCD-9136 | SA91-36D | Downgradient of Area III ⁽¹⁾ |
| SAGCSH-9136 | SA91-36S | Downgradient of Area III (1) |
| SAGUD-9137 | SA91-37D | Downgradient of Area III ⁽¹⁾ |
| SAGUSH-9137 | SA91-37S | Downgradient of Area III (1) |
| SAGUD-9138 | SA91-38D | Downgradient of Area III (1) |
| SAGUSH-9138 | SA91-38S | Downgradient of Area III ⁽¹⁾ |
| SAGUD-9139 | SA91-39D | Downgradient of Area III ⁽¹⁾ |
| SAGUSH-9139 | SA91-39S | Downgradient of Area III ⁽¹⁾ |
| SAGCD-9140 | SA91-40D | Downgradient of Area III ⁽¹⁾ |
| SAGCSH-9140 | SA91-40S | Downgradient of Area III (1) |
| SAGUD-9141 | SA91-41D | Upgradient of Area II |
| SAGUSH-9141 | SA91-41S | Upgradient of Area II |
| SAGCD-9226 | SA92-26D | Crossgradient of Area I |
| SAGCSH-9226 | SA92-26S | Crossgradient of Area I |
| SAGCD-9227 | SA92-27D | Crossgradient of Area I |
| SAGCSH-9227 | SA92-27S | Crossgradient of Area I |
| SAGDD-9751 | SA97-51D | Downgradient of Area I |
| SAGDSH-9751 | SA97-51S | Downgradient of Area I |
| SAGDSH-0141 | SA01-41S | Crossgradient of Area I |
| SAGDD-0141 | SA01-41D | Crossgradient of Area I |
| SAGDSH-0142 | SA01-42S | Downgradient of Area I |
| SAGDD-0142 | SA01-42D | Downgradient of Area I |

Table 3. SWDA Groundwater and Surface Water Monitoring Locations 2021 Annual Report

Heorot Power- Somerset Operating Company Barker, New York

| | | Hydraulic |
|------------------|-------------|---------------------------------|
| Well ID | Map ID | Location* |
| SWDA II | | |
| SAGUSH0201 | SA02-1S | Upgradient of Area II |
| SAGUD-0201 | SA02-1D | Upgradient of Area II (LWBZ) |
| SAGUSH-9141 | SA91-41S | Upgradient of Area II |
| SAGUD-9141 | SA91-41D | Upgradient of Area II (LWBZ) |
| SAGDSH-0202 | SA02-2S | Down Gradient of Area II |
| SAGDSH-0203 | SA02-3S | Down Gradient of Area II |
| SAGDD-0203 | SA02-3D | Down Gradient of Area II (LWBZ) |
| SAGDSH-0204 | SA02-4S | Down Gradient of Area II |
| SAGDD-0204 | SA02-4D | Down Gradient of Area II (LWBZ) |
| SAGDSH-0205 | SA02-5S | Down Gradient of Area II |
| SAGDSH-0306 | SA03-6S | Down Gradient of Area II |
| SAGDSH-0307 | SA03-7S | Down Gradient of Area II |
| SAGDSH-0308 | SA03-8S | Down Gradient of Area II |
| SAGDSH-0309 | SA03-9S | Down Gradient of Area II |
| SAGDSH-0310 | SA03-10S | Down Gradient of Area II |
| SAGDSH-0711 | SA07-11S | Down Gradient of Area II |
| SAGDD-0711 | SA07-11D | Down Gradient of Area II (LWBZ) |
| SAPONDXX01 | NA | Pond Adjacent to Area II |
| SASDSSXX02 | NA | Downstream of SWDA II |
| SASUSSXX01 | NA | Upstream of SWDA II |
| SWDA II Leachate | e Impoundme | nt |
| SAGDSH-0543 | SA05-43S | Down Gradient |
| SAGDSH-0544 | SA05-44S | Down Gradient |
| SAGUSH-0141 | SA01-41S | Upgradient |

Notes:

^{*} based on groundwater flow direction

 $^{^{(1)}}$ Area III will not be developed and monitoring was discontinued in the Second Quarter 2021

Table 4. Groundwater Analytical Parameters 2021 Annual Report Heorot Power- Somerset Operating Company Barker, New York

ANALYTICAL PARAMETERS Routine Parameters Ammonia Alkalinity Arsenic* Boron* Calcium* Cadmium* Chloride Specific Conductance Iron* Potassium* Lithium* Magnesium* Manganese* Molybdenum* pН Sulfate Strontium* **Total Dissolved Solids** Temperature **Turbidity** Baseline Parameters (additional to the routine list) Silver* Aluminum* **Bromide** Chromium* Copper* Oxidation/Reduction Potential Fluoride **Total Hardness** Mercury* Sodium* Lead* Selenium* Vanadium Zinc*

^{* =} Parameters analyzed for total metal constituents. Dissolved constituents will be analyzed for if samples are turbid.

Table 5. Station Area 2021 Groundwater Elevation Summary 2021 Annual Report
Heorot Power- Somerset Operating Company
Barker, New York

| | Reference | January-21 | | N | lay-21 | July-21 | | October-21 | |
|----------------------------|---------------|------------|--------------------------------|-------|-----------------|---------|-----------------|------------|-----------------|
| Well ID | Elevation (1) | DTW | GW Elevation ⁽¹⁾ | DTW | GW Elevation | DTW | GW Elevation | DTW | GW Elevation |
| SOGDA-8209 | 271.23 | 15.30 | 255.93 | 15.60 | 255.63 | 17.70 | 253.53 | 15.60 | 255.63 |
| SOGDD-8802 | 304.38 | 32.30 | 272.08 | 32.80 | 271.58 | 33.30 | 271.08 | 32.20 | 272.18 |
| SOGDSH0901 | 305.16 | 32.05 | 273.11 | 32.50 | 272.66 | 34.80 | 270.36 | 32.50 | 272.66 |
| SOGDXX1501 | 285.19 | 18.50 | 266.69 | | NA | 20.00 | 265.19 | 19.00 | 266.19 |
| SOGDXX1502 | 284.86 | 18.10 | 266.76 | | NA | 19.60 | 265.26 | 18.70 | 266.16 |
| SOGDXX8208 | 271.98 | 22.40 | 249.58 | 21.70 | 250.28 | 21.90 | 250.08 | 21.60 | 250.38 |
| SOGDXX8209 | 271.00 | 16.30 | 254.70 | 16.50 | 254.50 | 18.20 | 252.80 | 16.40 | 254.60 |
| SOGDXX8301 | 302.86 | 30.15 | 272.71 | 31.00 | 271.86 | 32.40 | 270.46 | 30.60 | 272.26 |
| SOGDXX8302 | 302.60 | 30.30 | 272.30 | 31.20 | 271.40 | 32.70 | 269.90 | 30.70 | 271.90 |
| SOGDXX8303 | 303.59 | 30.25 | 273.34 | 30.70 | 272.89 | 32.90 | 270.69 | 30.80 | 272.79 |
| SOGDXX8304 | 304.45 | 13.60 | 290.85 | 13.20 | 291.25 | 14.70 | 289.75 | 10.20 | 294.25 |
| SOGDXX8305 | 305.38 | 15.10 | 290.28 | 14.90 | 290.48 | 16.30 | 289.08 | 12.40 | 292.98 |
| SOGDXX8306 | 283.09 | 25.95 | 257.14 | 25.90 | 257.19 | 26.10 | 256.99 | 25.90 | 257.19 |
| SOGDXX8307 | 288.07 | 9.90 | 278.17 | 13.60 | 274.47 | 14.30 | 273.77 | 13.90 | 274.17 |
| SOGDXX8821R ⁽²⁾ | 294.96 | 20.50 | 274.46 | 20.60 | 274.36 | 22.60 | 272.36 | 20.40 | 274.56 |
| SOGDXX8822 | 291.73 | 17.30 | 274.43 | 17.50 | 274.23 | 19.50 | 272.23 | 17.30 | 274.43 |
| SOGDXX8823 | 302.24 | 20.40 | 281.84 | 20.70 | 281.54 | 23.05 | 279.19 | 20.40 | 281.84 |
| SOGDXX8824 | 304.79 | 5.90 | 298.89 | 9.90 | 294.89 | 13.70 | 291.09 | 7.70 | 297.09 |
| SOGDXX8825 | 303.22 | 10.00 | 293.22 | 10.90 | 292.32 | 13.60 | 289.62 | 8.60 | 294.62 |
| SOGDXX8826 | 303.52 | 9.00 | 294.52 | 11.50 | 292.02 | 13.20 | 290.32 | 8.75 | 294.77 |
| SOGDXX8827 | 304.78 | 4.80 | 299.98 | 8.30 | 296.48 | 10.80 | 293.98 | 3.80 | 300.98 |
| SOGDXX8828 | 288.56 | 20.40 | 268.16 | 20.05 | 268.51 | 21.10 | 267.46 | 19.10 | 269.46 |
| SOGDXX8829 | 286.05 | 19.20 | 266.85 | 19.80 | 266.25 | 20.80 | 265.25 | 19.75 | 266.30 |
| SOGNA-8206 | 301.43 | 14.90 | 286.53 | 15.05 | 286.38 | 18.20 | 283.23 | 15.00 | 286.43 |
| SOGNXX8206 | 301.81 | 15.90 | 285.91 | 15.85 | 285.96 | 18.60 | 283.21 | 15.50 | 286.31 |
| SOGUA-8204 | 298.02 | 2.90 | 295.12 | 6.10 | 291.92 | 8.80 | 289.22 | 5.80 | DRY |
| SOGUA-8308 | 300.80 | 5.20 | 295.60 | 5.40 | 295.40 | 11.60 | 289.20 | 7.40 | 293.40 |
| SOGUD-8811 | 301.97 | 17.50 | 284.47 | 16.70 | 285.27 | 17.60 | 284.37 | 17.10 | 284.87 |
| SOGUSH8811 | 302.21 | 4.80 | 297.41 | 5.10 | 297.11 | 10.80 | 291.41 | 7.30 | 294.91 |
| SOGUXX8201 | 303.20 | 6.80 | 296.40 | 8.05 | 295.15 | 12.40 | 290.80 | 7.40 | 295.80 |
| SOGUXX8204 | 297.69 | 2.90 | 294.79 | 6.10 | 291.59 | 8.30 | 289.39 | 5.90 | 291.79 |

⁽¹⁾ Feet above sea level

DTW= Depth to Water (feet)

GW= Groundwater

⁽²⁾ SOGDXX8821 was damaged in the second quarter 2013. The well was decommissioned and replaced with SOGDXX8821R in August 2013. The new reference elevation is 294.96 fasl.

Table 6. SWDA 2021 Groundwater Elevation Summary 2021 Annual Report Heorot Power- Somerset Operating Company Barker, New York

| | Reference | J | anuary-21 | - | April-21 | Sep | tember-21 | Dec | cember-21 |
|-------------|---------------|-------|--------------------------|-------|-----------|-------|-----------|-------|-----------|
| Well ID | Elevation (1) | | GW | | GW | | GW | | GW |
| | Liovation | DTW | Elevation ⁽¹⁾ | DTW | Elevation | DTW | Elevation | DTW | Elevation |
| SAGCD-0141 | 297.61 | 17.00 | 280.61 | 16.60 | 281.01 | 18.10 | 279.51 | 16.70 | 280.91 |
| SAGCD-9101 | 302.73 | 16.60 | 286.13 | 14.80 | 287.93 | 15.50 | 287.23 | 14.90 | 287.83 |
| SAGCD-9122 | 305.64 | 17.90 | 287.74 | 19.60 | 286.04 | 21.40 | 284.24 | 18.50 | 287.14 |
| SAGCD-9136 | 295.00 | 7.20 | 287.80 | | | | | | |
| SAGCD-9140 | 302.00 | 16.50 | 285.50 | | | | | | |
| SAGCD-9226 | 291.31 | 16.70 | 274.61 | 17.50 | 273.81 | 17.60 | 273.71 | 14.40 | 276.91 |
| SAGCD-9227 | 299.00 | 36.00 | 263.00 | 33.80 | 265.20 | 36.40 | 262.60 | 36.00 | 263.00 |
| SAGCSH0202 | 302.78 | 10.40 | 292.38 | 4.80 | 297.98 | 11.00 | 291.78 | 10.60 | 292.18 |
| SAGCSH9122 | 305.43 | 14.30 | 291.13 | 15.45 | 289.98 | 19.40 | 286.03 | 14.20 | 291.23 |
| SAGCSH9136 | 296.00 | 7.60 | 288.40 | | | | | | |
| SAGCSH9140 | 302.00 | 10.40 | 291.60 | | | | | | |
| SAGCSH0141 | 297.42 | 18.90 | 278.52 | 15.40 | 282.02 | 18.40 | 279.02 | 18.50 | 278.92 |
| SAGCSH9226 | 292.23 | 12.60 | 279.63 | 12.10 | 280.13 | 15.70 | 276.53 | 12.40 | 279.83 |
| SAGCSH9227 | 299.13 | 16.40 | 282.73 | 15.90 | 283.23 | 20.60 | 278.53 | 16.05 | 283.08 |
| SAGDD-0142 | 294.64 | 22.10 | 272.54 | 23.10 | 271.54 | 22.30 | 272.34 | 19.00 | 275.64 |
| SAGDD-0203 | 297.81 | 11.70 | 286.11 | 10.70 | 287.11 | 11.60 | 286.21 | 10.70 | 287.11 |
| SAGDD-0204 | 296.65 | 10.40 | 286.25 | 8.70 | 287.95 | 11.50 | 285.15 | 10.30 | 286.35 |
| SAGDD-0711 | 305.17 | 19.80 | 285.37 | 17.90 | 287.27 | 19.70 | 285.47 | 19.80 | 285.37 |
| SAGDD-8703 | 293.64 | 17.20 | 276.44 | 16.60 | 277.04 | 31.80 | 261.84 | 35.00 | 258.64 |
| SAGDD-8705 | 292.72 | 7.05 | 285.67 | 6.80 | 285.92 | 7.90 | 284.82 | 4.80 | 287.92 |
| SAGDD-9121 | 299.33 | 10.30 | 289.03 | 11.20 | 288.13 | 14.70 | 284.63 | 9.40 | 289.93 |
| SAGDD-9123 | 296.12 | 10.30 | 285.82 | 10.10 | 286.02 | 14.40 | 281.72 | 10.60 | 285.52 |
| SAGDD-9124 | 298.27 | 25.70 | 272.57 | 28.40 | 269.87 | 30.70 | 267.57 | 27.50 | 270.77 |
| SAGDD-9125 | 293.81 | 24.50 | 269.31 | 23.90 | 269.91 | 26.30 | 267.51 | 24.30 | 269.51 |
| SAGDD-9129 | 284.85 | 31.10 | 253.75 | 31.50 | 253.35 | 30.80 | 254.05 | 29.90 | 254.95 |
| SAGDD-9131 | 306.00 | 15.50 | 290.50 | | - | | | | |
| SAGDD-9132 | 300.00 | 11.30 | 288.70 | | | | | | |
| SAGDD-9133 | 297.00 | 8.40 | 288.60 | | | | | | |
| SAGDD-9134 | 299.00 | 14.50 | 284.50 | | | | | | |
| SAGDD-9751 | 293.95 | 14.50 | 279.45 | 14.00 | 279.95 | 14.80 | 279.15 | 13.70 | 280.25 |
| SAGDSH0142 | 294.95 | 19.60 | 275.35 | 19.20 | 275.75 | 22.10 | 272.85 | 19.20 | 275.75 |
| SAGDSH0203 | 297.50 | 10.80 | 286.70 | 9.30 | 288.20 | 12.00 | 285.50 | 10.60 | 286.90 |
| SAGDSH0204 | 296.45 | 9.40 | 287.05 | 7.70 | 288.75 | 11.80 | 284.65 | 9.60 | 286.85 |
| SAGDSH0205 | 296.51 | 8.40 | 288.11 | 4.00 | 292.51 | 11.50 | 285.01 | 7.80 | 288.71 |
| SAGDSH0306 | 304.48 | 18.50 | 285.98 | 16.80 | 287.68 | 19.70 | 284.78 | 19.10 | 285.38 |
| SAGDSH0307 | 303.88 | 16.80 | 287.08 | 15.30 | 288.58 | 18.10 | 285.78 | 16.80 | 287.08 |
| SAGDSH0308 | 300.54 | 15.70 | 284.84 | 11.30 | 289.24 | 16.50 | 284.04 | 15.70 | 284.84 |
| SAGDSH0309 | 303.50 | 15.20 | 288.30 | 8.20 | 295.30 | 14.00 | 289.50 | 14.20 | 289.30 |
| SAGDSH0310 | 298.94 | 11.00 | 287.94 | 9.20 | 289.74 | 13.70 | 285.24 | 11.50 | 287.44 |
| SAGDSH-0543 | 272.26 | | DRY | 16.70 | 255.56 | | DRY | | DRY |
| SAGDSH-0544 | 271.44 | 16.70 | 254.74 | 15.70 | 255.74 | 17.30 | 254.14 | | DRY |
| SAGDSH0711 | 305.21 | 18.70 | 286.51 | 17.05 | 288.16 | 19.90 | 285.31 | 19.30 | 285.91 |
| SAGDSH8701 | 303.47 | 13.80 | 289.67 | 15.10 | 288.37 | 18.00 | 285.47 | 13.50 | 289.97 |

Table 6. SWDA 2021 Groundwater Elevation Summary 2021 Annual Report Heorot Power- Somerset Operating Company Barker, New York

| | Reference | January-21 | | April-21 | | Sep | September-21 | | December-21 | |
|-------------|---------------|------------|--------------------------|----------|-----------|-------|--------------|-------|-------------|--|
| Well ID | Elevation (1) | | GW | | GW | | GW | | GW | |
| | Lievation | DTW | Elevation ⁽¹⁾ | DTW | Elevation | DTW | Elevation | DTW | Elevation | |
| SAGDSH9104 | 291.10 | 18.80 | 272.30 | 18.00 | 273.10 | 20.60 | 270.50 | 18.60 | 272.50 | |
| SAGDSH9121 | 299.58 | 12.00 | 287.58 | 12.90 | 286.68 | 15.70 | 283.88 | 11.50 | 288.08 | |
| SAGDSH9123 | 296.61 | 8.40 | 288.21 | 8.30 | 288.31 | 12.20 | 284.41 | 8.50 | 288.11 | |
| SAGDSH9124 | 298.05 | 17.90 | 280.15 | 17.40 | 280.65 | 19.40 | 278.65 | 17.80 | 280.25 | |
| SAGDSH9125 | 293.76 | 24.20 | 269.56 | 23.60 | 270.16 | 26.05 | 267.71 | 24.20 | 269.56 | |
| SAGDSH9129 | 285.50 | 7.50 | 278.00 | 6.90 | 278.60 | 9.00 | 276.50 | 7.50 | 278.00 | |
| SAGDSH9131 | 306.00 | 16.05 | 289.95 | | - | | | - | | |
| SAGDSH9132 | 301.00 | 14.70 | 286.30 | | - | | - | - | | |
| SAGDSH9133 | 297.00 | 13.20 | 283.80 | | - | | | | | |
| SAGDSH9134 | 299.00 | 15.80 | 283.20 | | - | | - | - | | |
| SAGDSH9751 | 294.27 | 16.10 | 278.17 | 15.60 | 278.67 | 17.20 | 277.07 | 15.70 | 278.57 | |
| SAGDXX8301 | 300.54 | 15.20 | 285.34 | 14.80 | 285.74 | 18.50 | 282.04 | 15.05 | 285.49 | |
| SAGDXX8303 | 294.21 | 16.60 | 277.61 | 16.10 | 278.11 | 17.50 | 276.71 | 16.30 | 277.91 | |
| SAGDXX8305 | 292.56 | 4.90 | 287.66 | 6.20 | 286.36 | 9.00 | 283.56 | 4.20 | 288.36 | |
| SAGDXX8306 | 297.38 | 9.80 | 287.58 | 10.90 | 286.48 | 14.30 | 283.08 | 10.90 | 286.48 | |
| SAGUD-0201 | 306.77 | 14.70 | 292.07 | 13.80 | 292.97 | 15.40 | 291.37 | 14.10 | 292.67 | |
| SAGUD-8713 | 297.40 | 15.00 | 282.40 | | _ | | | - | - | |
| SAGUD-9128 | 296.30 | 11.20 | 285.10 | 11.00 | 285.30 | 12.90 | 283.40 | 11.20 | 285.10 | |
| SAGUD-9137 | 297.00 | 24.40 | 272.60 | | | | | - | - | |
| SAGUD-9138 | 299.00 | 19.40 | 279.60 | | - | | | - | - | |
| SAGUD-9139 | 300.00 | 15.10 | 284.90 | | - | | - | | | |
| SAGUD-9141 | 303.00 | 8.30 | 294.70 | 4.20 | 298.80 | 10.40 | 292.60 | 7.60 | 295.40 | |
| SAGUSH-0201 | 303.15 | 9.80 | 293.35 | 4.80 | 298.35 | 12.10 | 291.05 | 9.40 | 293.75 | |
| SAGUSH9128 | 298.04 | 12.10 | 285.94 | 12.00 | 286.04 | 15.40 | 282.64 | 12.30 | 285.74 | |
| SAGUSH9137 | 297.00 | 7.50 | 289.50 | | | | | | - | |
| SAGUSH9138 | 299.00 | 7.40 | 291.60 | | | | | | | |
| SAGUSH9139 | 301.00 | 8.80 | 292.20 | | | | | | | |
| SAGUSH9141 | 296.64 | 7.80 | 288.84 | 4.30 | 292.34 | 9.80 | 286.84 | 6.80 | 289.84 | |
| SAGUXX8213 | 298.80 | 4.80 | 294.00 | | | | | | | |

⁽¹⁾ Feet above sea level DTW = Depth to water GW = Groundwater

⁻⁻ Data not collected. Groundwater elevation monitoring and sampling of Area III wells was discontinued in the Second Quarter 2021.

Table 7. Calcium/Magnesium Ratios - 1st Quarter 2021 2021 Annual Report Heorot Power- Somerset Operating Company Barker, New York

| Map ID | Site Code | Calcium (mg/l) | Magnesium (mg/l) | Ca/Mg Ratio |
|--------------------|-------------|----------------|------------------|-------------|
| SA01-41S | SAGCSH0141 | 134.0 | 82.7 | 1.6 |
| SA02-02S | SAGCSH0202 | 124.0 | 50.5 | 2.5 |
| SA91-22S | SAGCSH9122 | 156.0 | 110.0 | 1.4 |
| SA92-26S | SAGCSH9226 | 500.0 | 100.0 | 5.0 |
| SA92-27S | SAGCSH9227 | 249.0 | 121.0 | 2.1 |
| SA-0142S | SAGDSH0142 | 112.0 | 112.0 | 1.0 |
| SA02-03S | SAGDSH0203 | 164.0 | 53.0 | 3.1 |
| SA02-04S | SAGDSH0204 | 163.0 | 54.0 | 3.0 |
| SA02-05S | SAGDSH0205 | 86.0 | 67.3 | 1.3 |
| SA03-06S | SAGDSH0306 | 142.0 | 52.9 | 2.7 |
| SA03-07S | SAGDSH0307 | 244.0 | 101.0 | 2.4 |
| SA03-08S | SAGDSH0308 | 276.0 | 74.0 | 3.7 |
| SA03-09S | SAGDSH0309 | 280.0 | 104.0 | 2.7 |
| SA03-10S | SAGDSH0310 | 125.0 | 59.4 | 2.1 |
| SA05-43S | SAGDSH0543 | DRY | DRY | |
| SA05-44S | SAGDSH0544 | DRY | DRY | |
| SA07-11S | SAGDSH0711 | 571.0 | 115.0 | 5.0 |
| SA87-01S | SAGDSH8701 | 1040.0 | 500.0 | 2.1 |
| SA91-04S | SAGDSH9104 | 74.6 | 83.4 | 0.9 |
| SA91-21S | SAGDSH9121 | 271.0 | 151.0 | 1.8 |
| SA91-23S | SAGDSH9123 | 39.3 | 48.0 | 0.8 |
| SA91-24S | SAGDSH9124 | 29.6 | 52.3 | 0.6 |
| SA91-25S | SAGDSH9125 | 38.6 | 50.9 | 0.8 |
| SA97-51S | SAGDSH9751 | 112.0 | 134.0 | 0.8 |
| SA83-01 | SAGDXX8301 | 28.9 | 53.4 | 0.5 |
| SA83-03 | SAGDXX8303 | 124.0 | 74.2 | 1.7 |
| SA83-05 | SAGDXX8305 | 169.0 | 92.3 | 1.8 |
| SA83-06 | SAGDXX8306 | 310.0 | 109.0 | 2.8 |
| SA02-01S | SAGUSH0201 | 257.0 | 96.6 | 2.7 |
| SA91-41S | SAGUSH9141 | 144.0 | 72.2 | 2.0 |
| | SAPXUDXX01 | 3300.0 | 5.0 | 660.0 |
| [| SAPXUDXX02 | 6890.0 | 5.0 | 1378.0 |
| SWDA I Leachate | SAPXUDXX03 | 6760.0 | 5.8 | 1161.5 |
| CITIDA I LEGORIALE | SAPXUDXX04 | 4340.0 | 23.8 | 182.4 |
| | SAPXUDXX05 | 3630.0 | 27.0 | 134.4 |
| | SAPXUDXX06 | 4060.0 | 28.2 | 144.0 |
| SWDA II Leachate | SAPXUDXX07A | 500.0 | 13.2 | 37.9 |
| OVVDA II LEachale | SAPXUDXX07B | 500.0 | 14.1 | 35.5 |

Table 8. Calcium/Magnesium Ratios - 2nd Quarter 2021 2021 Annual Report
Heorot Power- Somerset Operating Company
Barker, New York

| Map ID | Site Code | Calcium (mg/l) | Magnesium (mg/l) | Ca/Mg Ratio |
|-------------------|-------------|----------------|------------------|-------------|
| SA01-41S | SAGCSH0141 | 125.0 | 76.1 | 1.6 |
| SA02-02S | SAGCSH0202 | 139.0 | 37.7 | 3.7 |
| SA91-22S | SAGCSH9122 | 136.0 | 85.1 | 1.6 |
| SA92-26S | SAGCSH9226 | 179.0 | 87.7 | 2.0 |
| SA92-27S | SAGCSH9227 | 360.0 | 115.0 | 3.1 |
| SA-0142S | SAGDSH0142 | 109.0 | 122.0 | 0.9 |
| SA02-03S | SAGDSH0203 | 153.0 | 38.9 | 3.9 |
| SA02-04S | SAGDSH0204 | 143.0 | 37.9 | 3.8 |
| SA02-05S | SAGDSH0205 | 80.8 | 65.1 | 1.2 |
| SA03-06S | SAGDSH0306 | 148.0 | 56.6 | 2.6 |
| SA03-07S | SAGDSH0307 | 318.0 | 112.0 | 2.8 |
| SA03-08S | SAGDSH0308 | 241.0 | 61.4 | 3.9 |
| SA03-09S | SAGDSH0309 | 307.0 | 77.1 | 4.0 |
| SA03-10S | SAGDSH0310 | 125.0 | 56.5 | 2.2 |
| SA05-43S | SAGDSH0543 | 271.0 | 109.0 | 2.5 |
| SA05-44S | SAGDSH0544 | 164.0 | 74.0 | 2.2 |
| SA07-11S | SAGDSH0711 | 500.0 | 81.0 | 6.2 |
| SA87-01S | SAGDSH8701 | 833.0 | 500.0 | 1.7 |
| SA91-04S | SAGDSH9104 | 67.5 | 85.0 | 0.8 |
| SA91-21S | SAGDSH9121 | 193.0 | 167.0 | 1.2 |
| SA91-23S | SAGDSH9123 | 33.2 | 45.6 | 0.7 |
| SA91-24S | SAGDSH9124 | 32.0 | 56.9 | 0.6 |
| SA91-25S | SAGDSH9125 | 66.7 | 78.8 | 0.8 |
| SA97-51S | SAGDSH9751 | 119.0 | 142.0 | 0.8 |
| SA83-01 | SAGDXX8301 | 30.8 | 56.7 | 0.5 |
| SA83-03 | SAGDXX8303 | 117.0 | 63.7 | 1.8 |
| SA83-05 | SAGDXX8305 | 162.0 | 87.8 | 1.8 |
| SA83-06 | SAGDXX8306 | 242.0 | 94.1 | 2.6 |
| SA02-01S | SAGUSH0201 | 281.0 | 109.0 | 2.6 |
| SA91-41S | SAGUSH9141 | 146.0 | 71.0 | 2.1 |
| | SAPXUDXX01 | 2470.0 | 5.0 | 494.0 |
| | SAPXUDXX02 | 6190.0 | 5.0 | 1238.0 |
| SWDA I Leachate | SAPXUDXX03 | 7170.0 | 5.5 | 1298.9 |
| 3VVDA i Leachale | SAPXUDXX04 | 3250.0 | 22.1 | 147.1 |
| [| SAPXUDXX05 | 3390.0 | 27.6 | 122.8 |
| | SAPXUDXX06 | 3610.0 | 29.7 | 121.5 |
| SWDA II Leachate | SAPXUDXX07A | 500.0 | 14.2 | 35.2 |
| GVVDA II LEachale | SAPXUDXX07B | 500.0 | 20.6 | 24.3 |

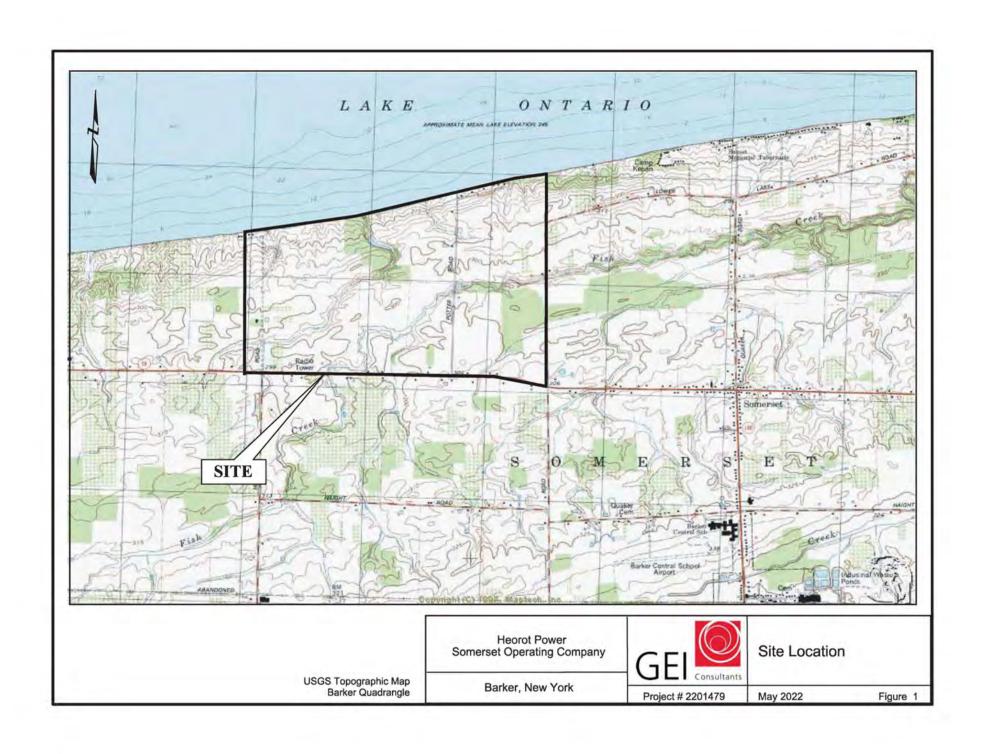
Table 9. Calcium/Magnesium Ratios - 3rd Quarter 2021 2021 Annual Report
Heorot Power- Somerset Operating Company
Barker, New York

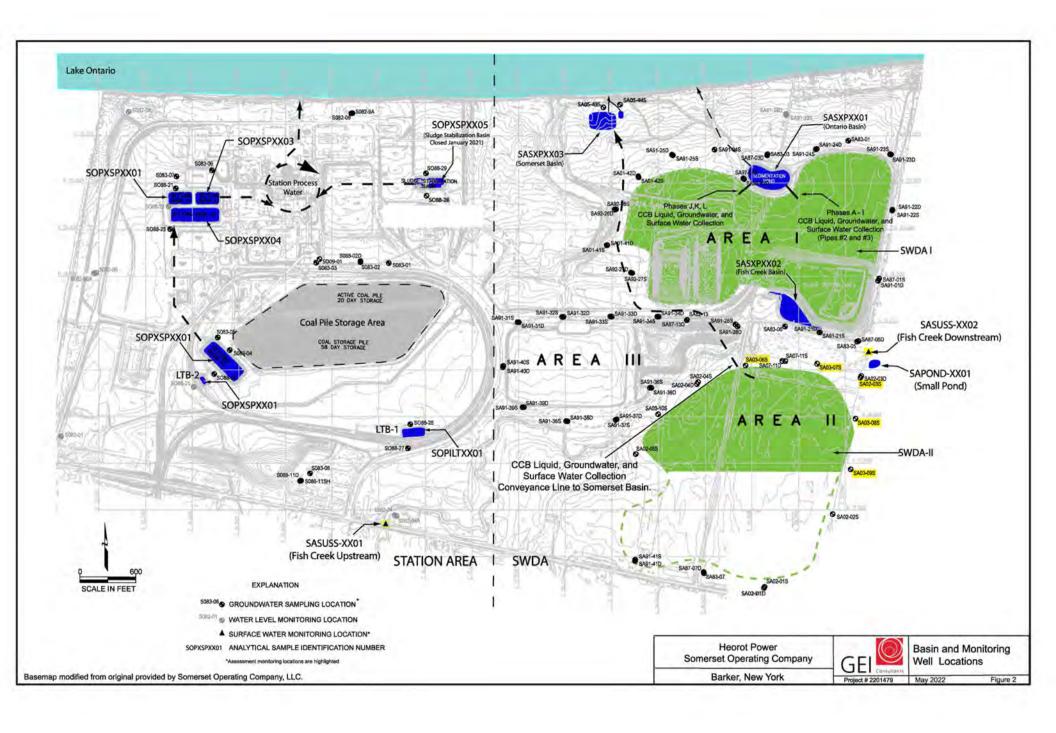
| Map ID | Site Code | Calcium (mg/l) | Magnesium (mg/l) | Ca/Mg Ratio |
|------------------|-------------|----------------|------------------|-------------|
| SA01-41S | SAGCSH0141 | 124.0 | 75.2 | 1.6 |
| SA02-02S | SAGCSH0202 | 123.0 | 49.9 | 2.5 |
| SA91-22S | SAGCSH9122 | 376.0 | 195.0 | 1.9 |
| SA92-26S | SAGCSH9226 | 224.0 | 86.6 | 2.6 |
| SA92-27S | SAGCSH9227 | 276.0 | 110.0 | 2.5 |
| SA-0142S | SAGDSH0142 | 115.0 | 109.0 | 1.1 |
| SA02-03S | SAGDSH0203 | 134.0 | 45.1 | 3.0 |
| SA02-04S | SAGDSH0204 | 168.0 | 56.3 | 3.0 |
| SA02-05S | SAGDSH0205 | 95.6 | 73.6 | 1.3 |
| SA03-06S | SAGDSH0306 | 155.0 | 58.8 | 2.6 |
| SA03-07S | SAGDSH0307 | 352.0 | 121.0 | 2.9 |
| SA03-08S | SAGDSH0308 | 208.0 | 64.1 | 3.2 |
| SA03-09S | SAGDSH0309 | 298.0 | 115.0 | 2.6 |
| SA03-10S | SAGDSH0310 | 140.0 | 66.4 | 2.1 |
| SA05-43S | SAGDSH0543 | DRY | DRY | - |
| SA05-44S | SAGDSH0544 | DRY | DRY | - |
| SA07-11S | SAGDSH0711 | 639.0 | 129.0 | 5.0 |
| SA87-01S | SAGDSH8701 | 1280.0 | 533.0 | 2.4 |
| SA91-04S | SAGDSH9104 | 77.4 | 78.1 | 1.0 |
| SA91-21S | SAGDSH9121 | 245.0 | 151.0 | 1.6 |
| SA91-23S | SAGDSH9123 | 43.8 | 47.8 | 0.9 |
| SA91-24S | SAGDSH9124 | 31.5 | 50.9 | 0.6 |
| SA91-25S | SAGDSH9125 | 89.6 | 77.3 | 1.2 |
| SA97-51S | SAGDSH9751 | 120.0 | 136.0 | 0.9 |
| SA83-01 | SAGDXX8301 | 32.3 | 53.1 | 0.6 |
| SA83-03 | SAGDXX8303 | 73.7 | 66.3 | 1.1 |
| SA83-05 | SAGDXX8305 | 150.0 | 74.1 | 2.0 |
| SA83-06 | SAGDXX8306 | 305.0 | 103.0 | 3.0 |
| SA02-01S | SAGUSH0201 | 214.0 | 84.9 | 2.5 |
| SA91-41S | SAGUSH9141 | 149.0 | 75.3 | 2.0 |
| | SAPXUDXX01 | 2520.0 | 5.0 | 504.0 |
| | SAPXUDXX02 | 6700.0 | 5.0 | 1340.0 |
| SWDA I Leachate | SAPXUDXX03 | 7230.0 | 5.8 | 1244.4 |
| SWDA i Leachale | SAPXUDXX04 | 4370.0 | 20.8 | 210.1 |
| | SAPXUDXX05 | 3680.0 | 26.3 | 139.9 |
| | SAPXUDXX06 | 2970.0 | 26.9 | 110.4 |
| SWDA II Leachate | SAPXUDXX07A | 500.0 | 12.7 | 39.4 |
| SWDA II Leachate | SAPXUDXX07B | 500.0 | 16.3 | 30.7 |

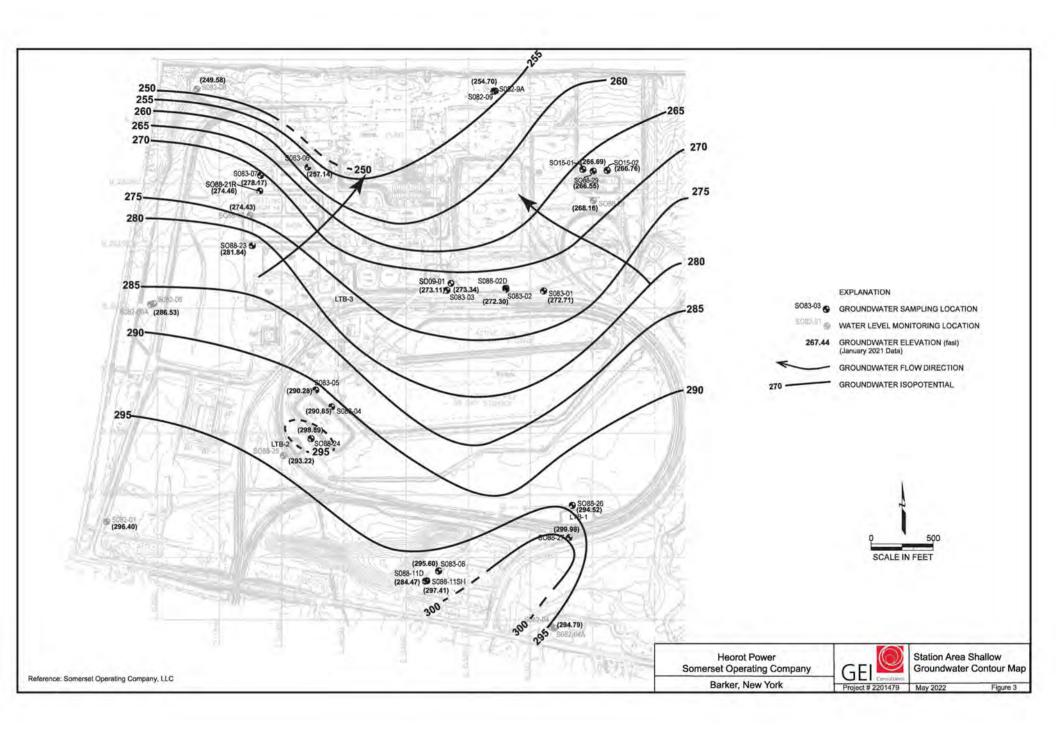
Table 10. Calcium/Magnesium Ratios - 4th Quarter 2021 2021 Annual Report
Heorot Power- Somerset Operating Company
Barker, New York

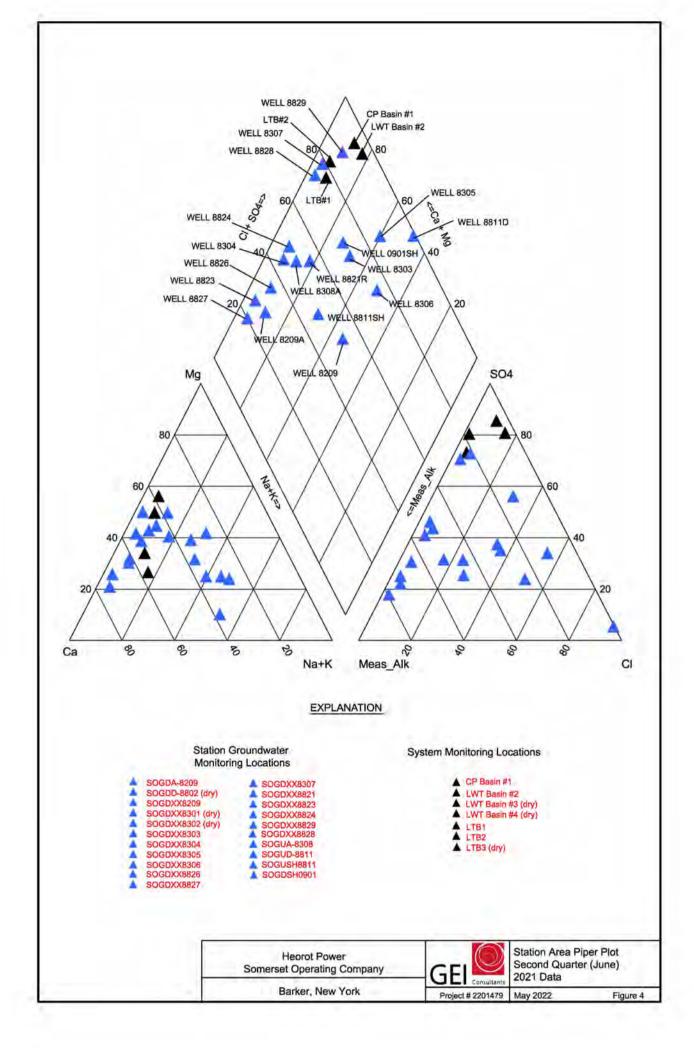
| Map ID | Site Code | Calcium (mg/l) | Magnesium (mg/l) | Ca/Mg Ratio |
|-------------------|-------------|----------------|------------------|-------------|
| SA01-41S | SAGCSH0141 | 119.0 | 75.8 | 1.6 |
| SA02-02S | SAGCSH0202 | 134.0 | 38.4 | 3.5 |
| SA91-22S | SAGCSH9122 | 129.0 | 82.6 | 1.6 |
| SA92-26S | SAGCSH9226 | 139.0 | 82.0 | 1.7 |
| SA92-27S | SAGCSH9227 | 233.0 | 117.0 | 2.0 |
| SA-0142S | SAGDSH0142 | 112.0 | 113.0 | 1.0 |
| SA02-03S | SAGDSH0203 | 135.0 | 44.2 | 3.1 |
| SA02-04S | SAGDSH0204 | 139.0 | 47.8 | 2.9 |
| SA02-05S | SAGDSH0205 | 84.6 | 63.7 | 1.3 |
| SA03-06S | SAGDSH0306 | 148.0 | 56.2 | 2.6 |
| SA03-07S | SAGDSH0307 | 195.0 | 69.6 | 2.8 |
| SA03-08S | SAGDSH0308 | 241.0 | 76.0 | 3.2 |
| SA03-09S | SAGDSH0309 | 312.0 | 121.0 | 2.6 |
| SA03-10S | SAGDSH0310 | 116.0 | 55.0 | 2.1 |
| SA05-43S | SAGDSH0543 | DRY | DRY | - |
| SA05-44S | SAGDSH0544 | DRY | DRY | |
| SA07-11S | SAGDSH0711 | 585.0 | 113.0 | 5.2 |
| SA87-01S | SAGDSH8701 | 1140.0 | 500.0 | 2.3 |
| SA91-04S | SAGDSH9104 | 78.2 | 80.4 | 1.0 |
| SA91-21S | SAGDSH9121 | 254.0 | 164.0 | 1.5 |
| SA91-23S | SAGDSH9123 | 44.1 | 49.5 | 0.9 |
| SA91-24S | SAGDSH9124 | 33.9 | 52.3 | 0.6 |
| SA91-25S | SAGDSH9125 | 71.4 | 83.6 | 0.9 |
| SA97-51S | SAGDSH9751 | 116.0 | 135.0 | 0.9 |
| SA83-01 | SAGDXX8301 | 28.0 | 58.6 | 0.5 |
| SA83-03 | SAGDXX8303 | 79.3 | 73.1 | 1.1 |
| SA83-05 | SAGDXX8305 | 163.0 | 78.4 | 2.1 |
| SA83-06 | SAGDXX8306 | 308.0 | 106.0 | 2.9 |
| SA02-01S | SAGUSH0201 | 251.0 | 95.2 | 2.6 |
| SA91-41S | SAGUSH9141 | 144.0 | 75.4 | 1.9 |
| | SAPXUDXX01 | 2410.0 | 5.0 | 482.0 |
| | SAPXUDXX02 | 500.0 | 15.7 | 31.8 |
| SWDA I Leachate | SAPXUDXX03 | 6960.0 | 5.8 | 1204.2 |
| SWDA I Leadilate | SAPXUDXX04 | 4220.0 | 22.2 | 190.1 |
| | SAPXUDXX05 | 4300.0 | 27.8 | 154.7 |
| | SAPXUDXX06 | 3420.0 | 26.3 | 130.0 |
| SWDA II Leachate | SAPXUDXX07A | 500.0 | 14.5 | 34.5 |
| SVVDA II Leachale | SAPXUDXX07B | 500.0 | 15.7 | 31.8 |

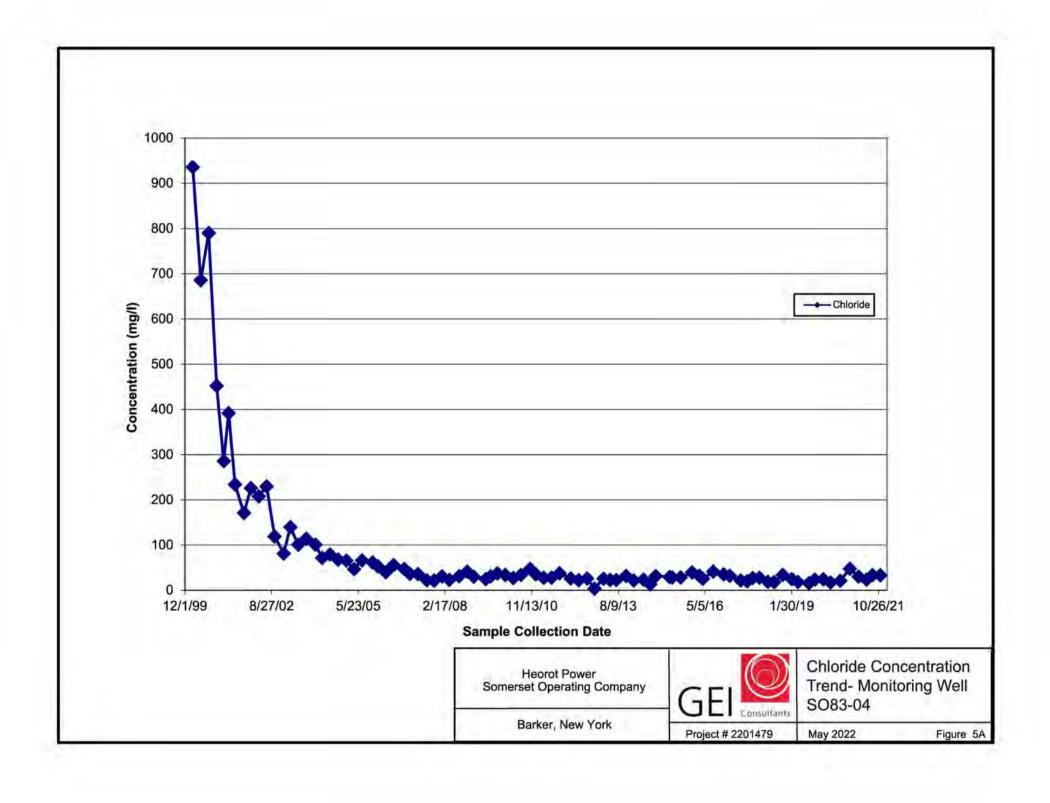
| Figures | | |
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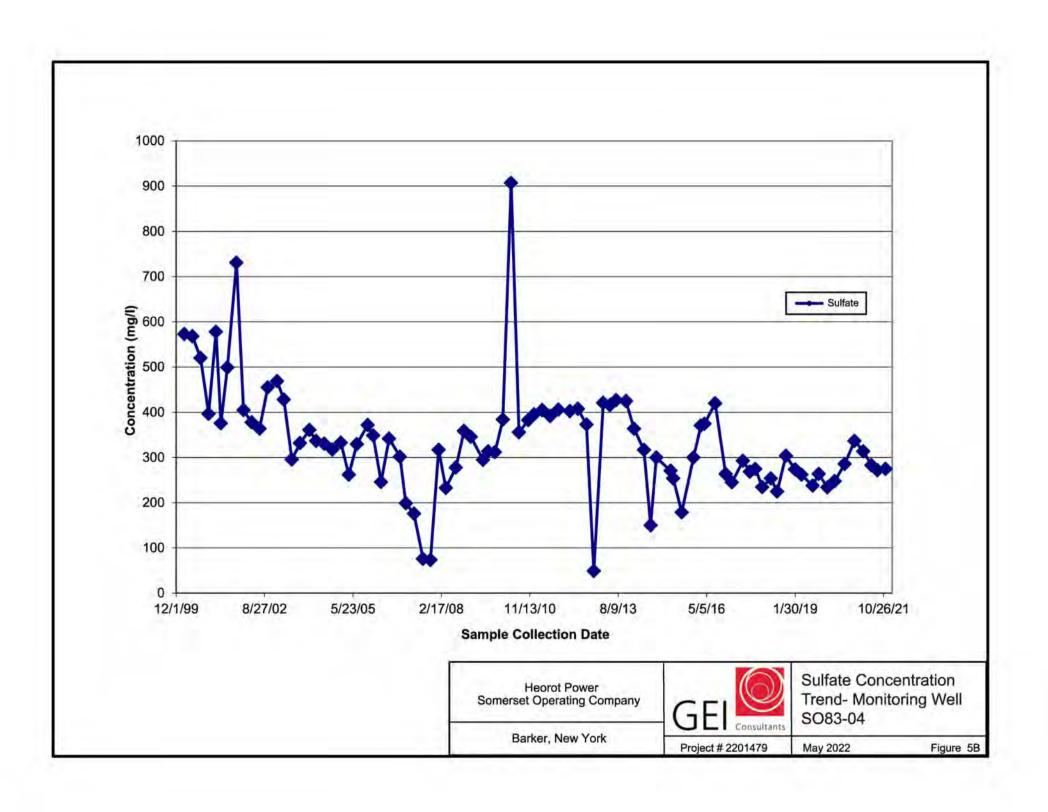


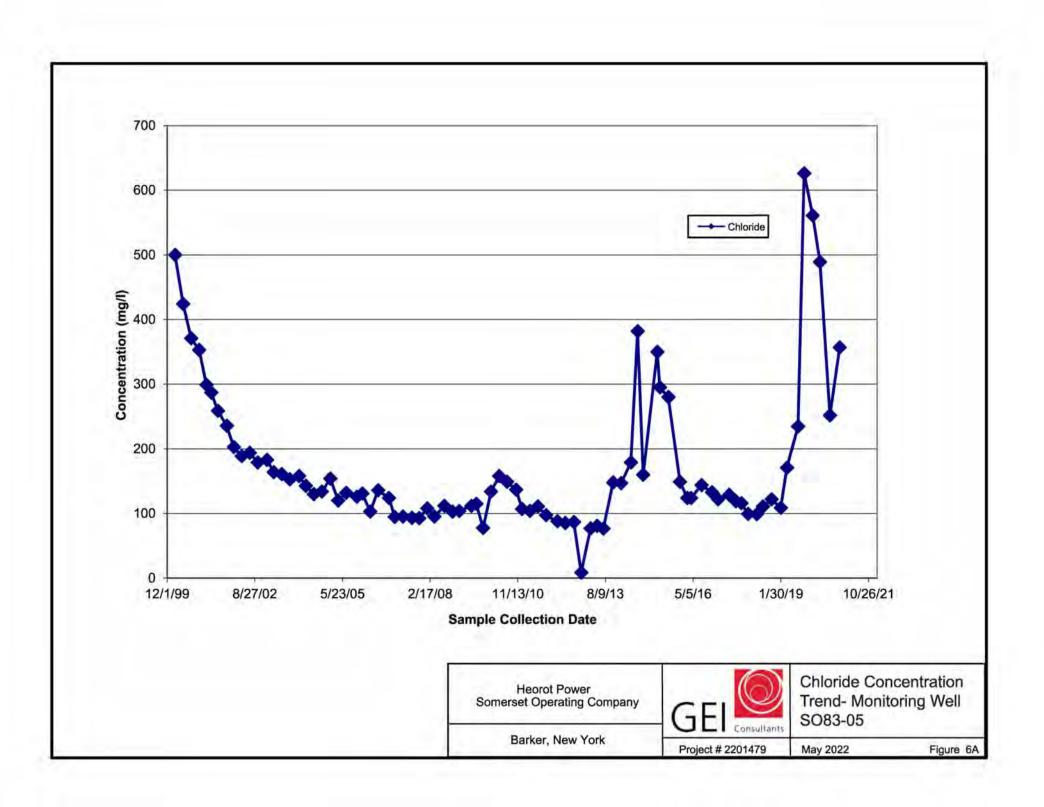


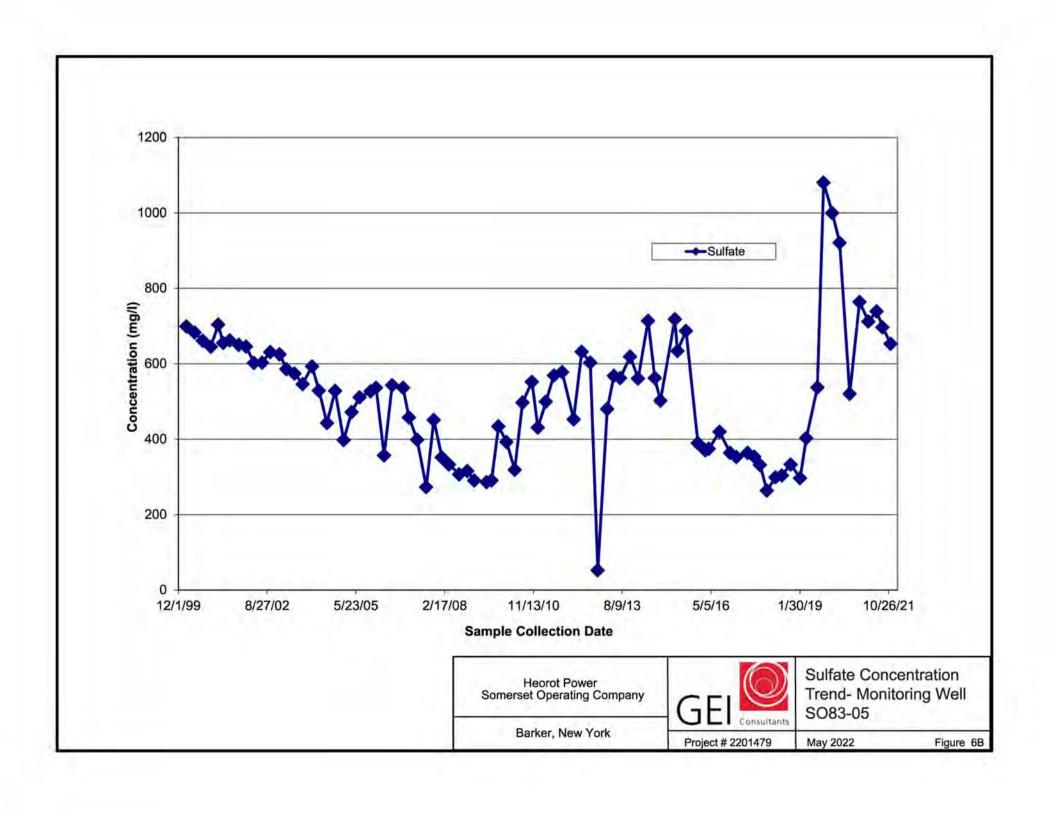


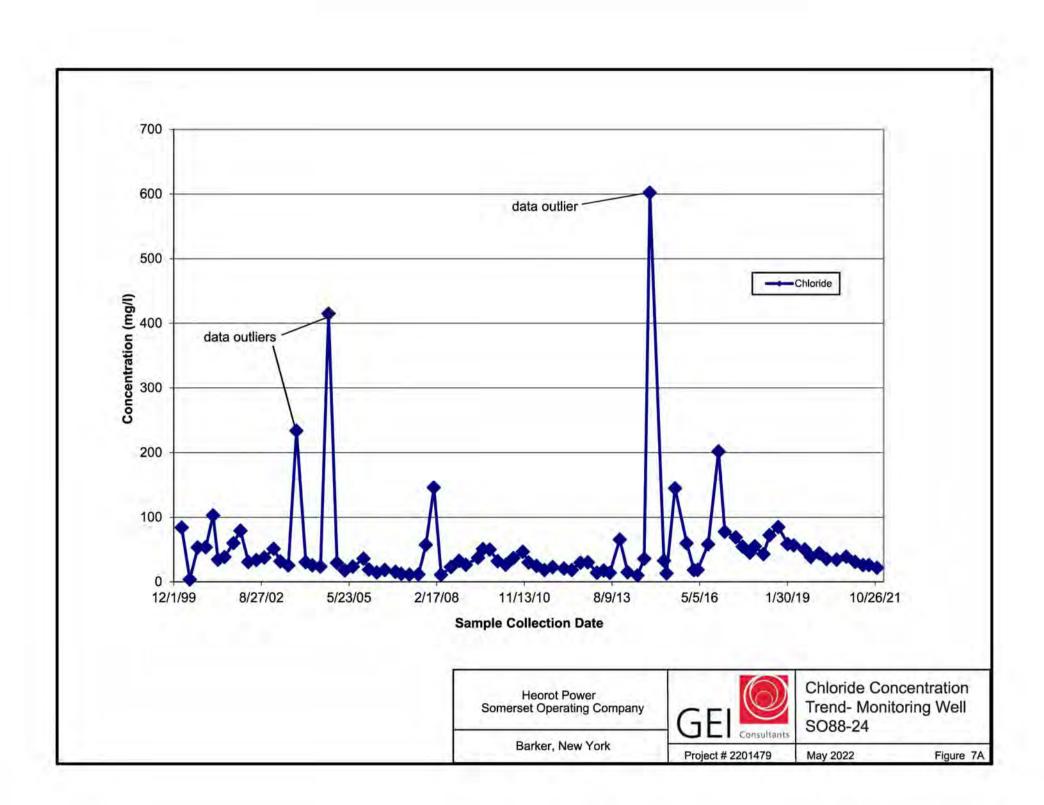


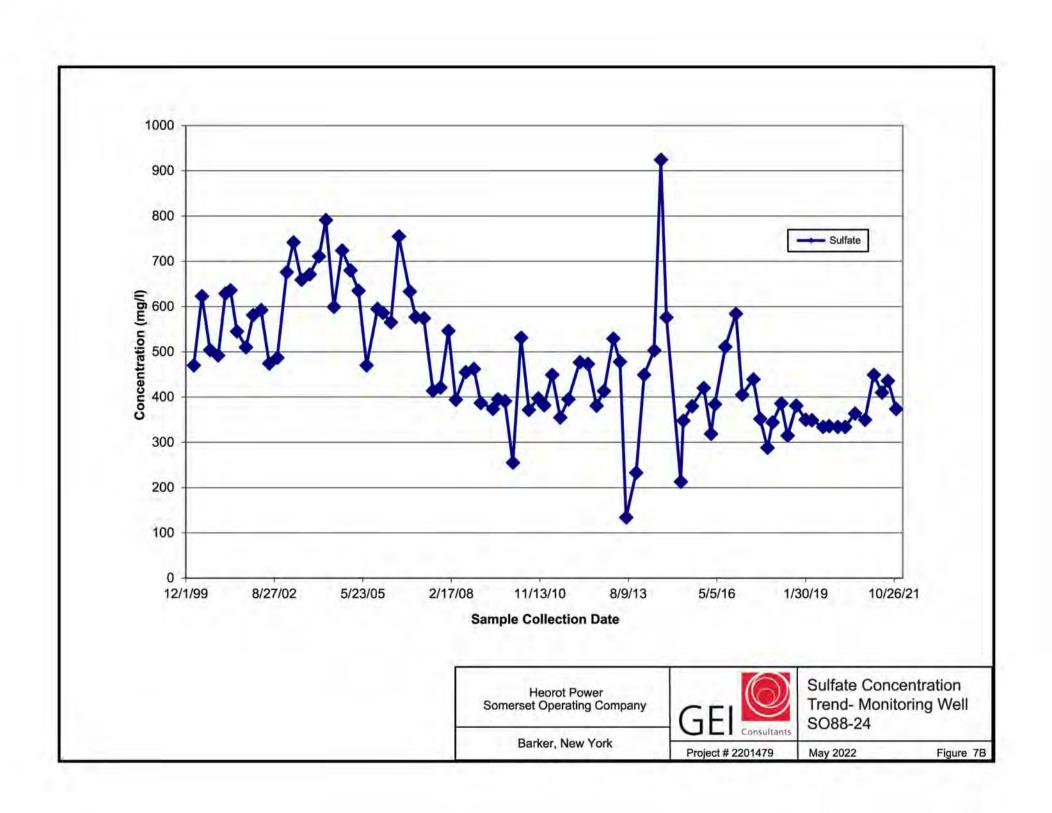


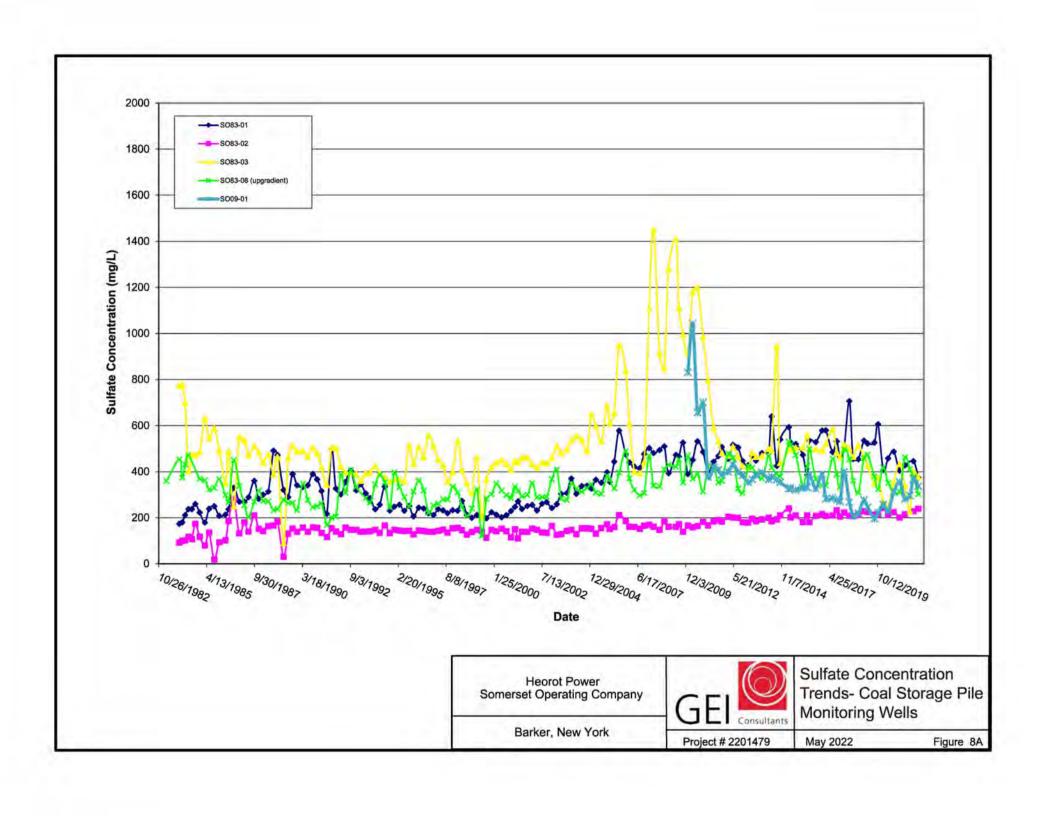


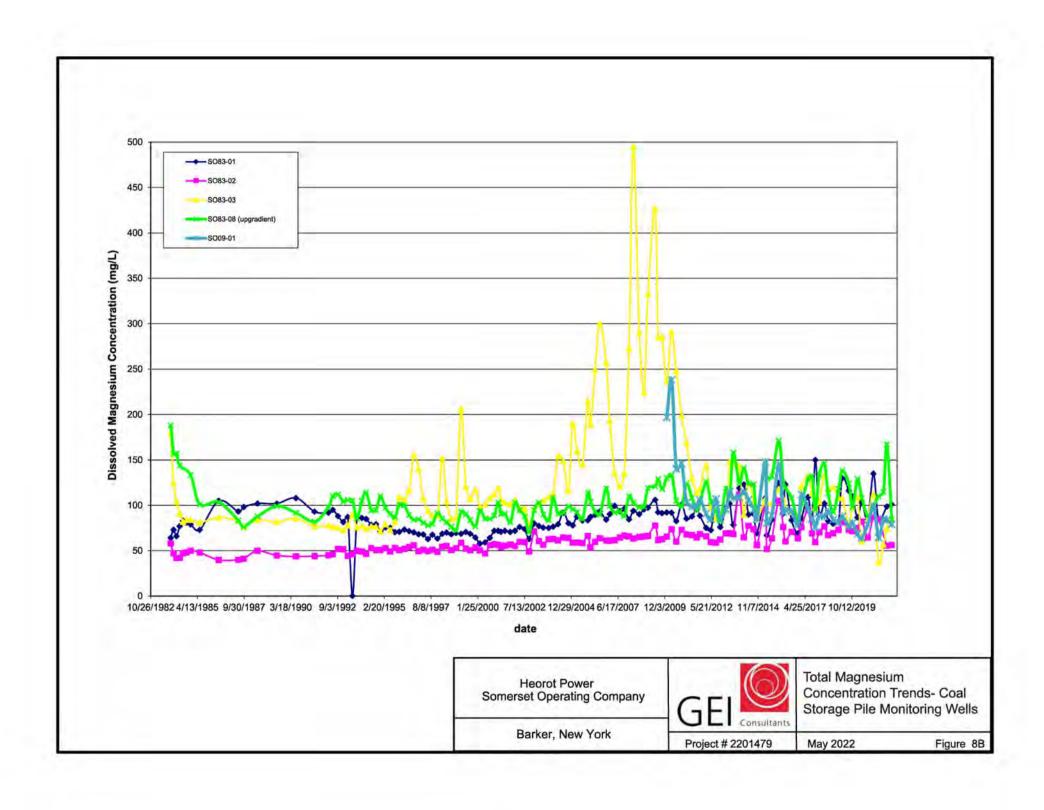


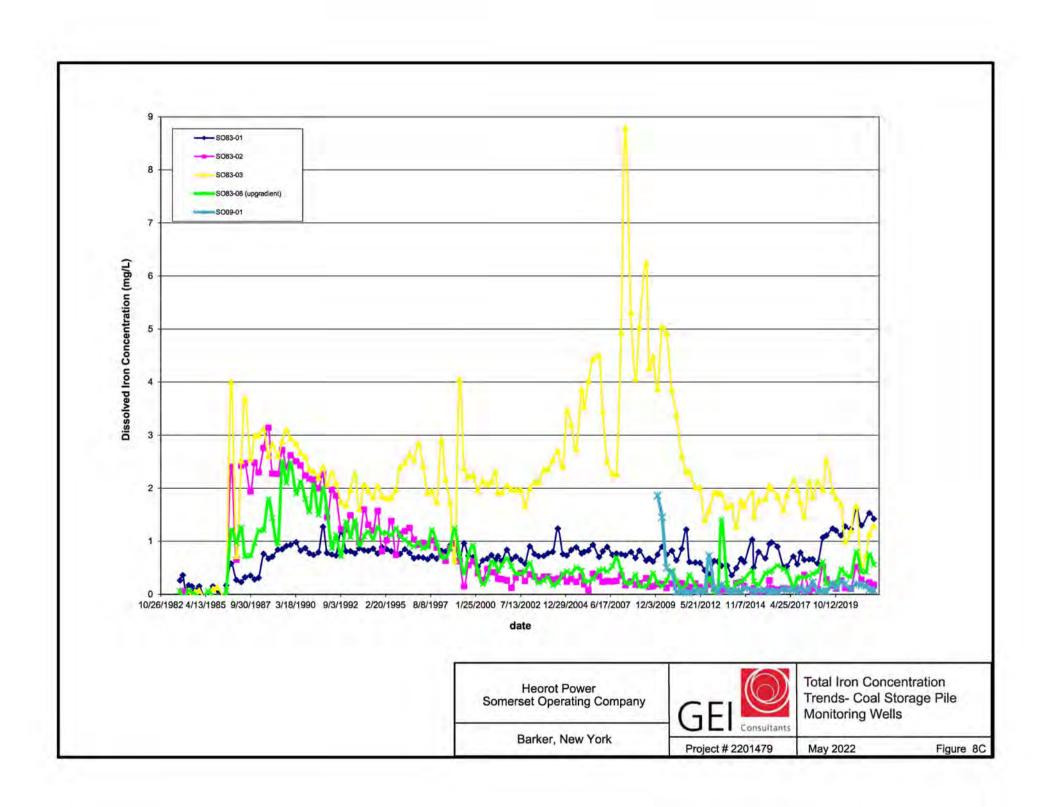


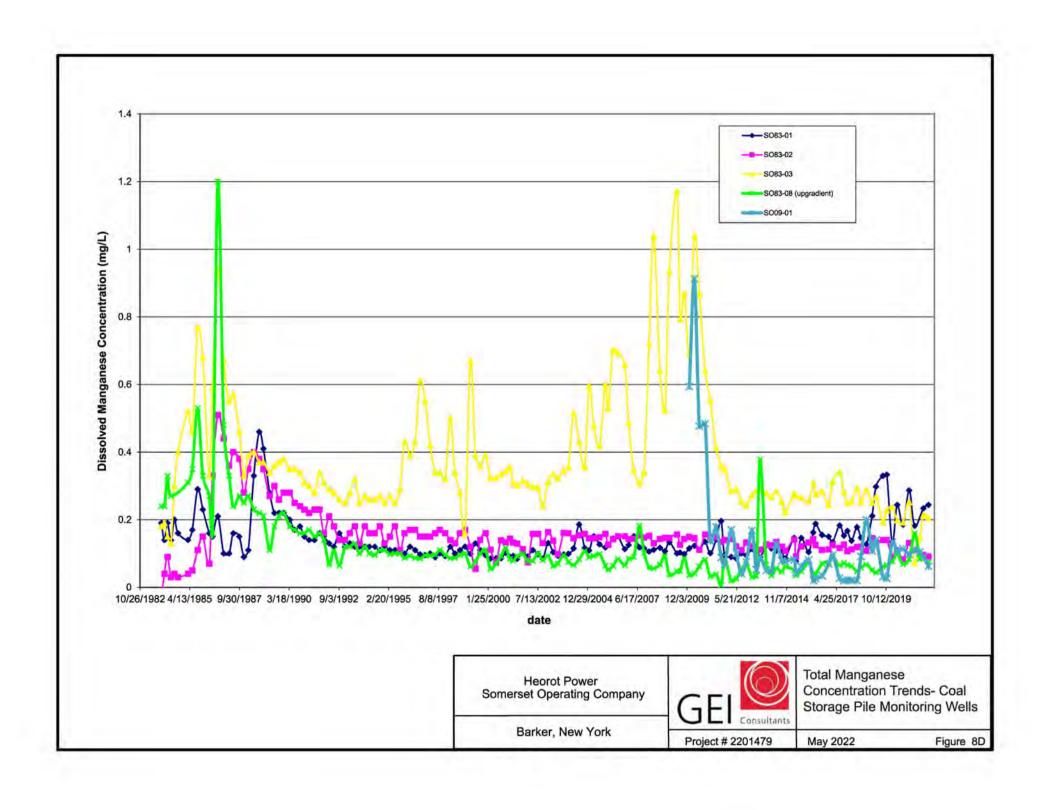


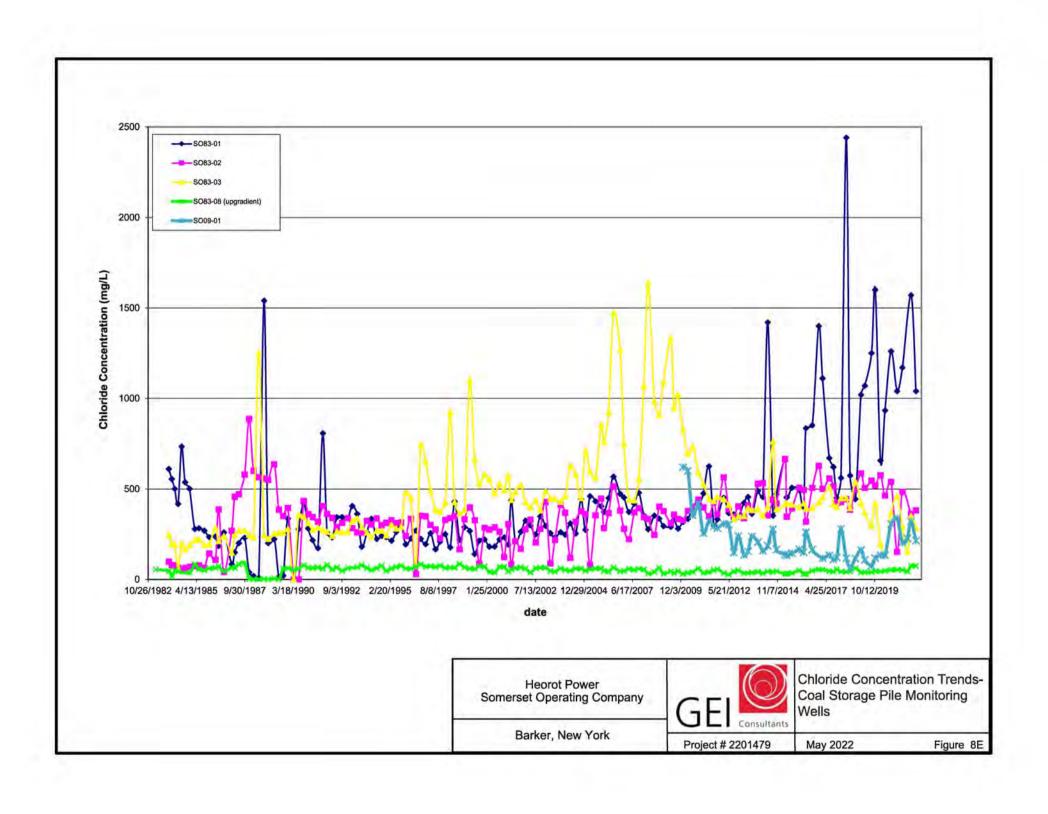


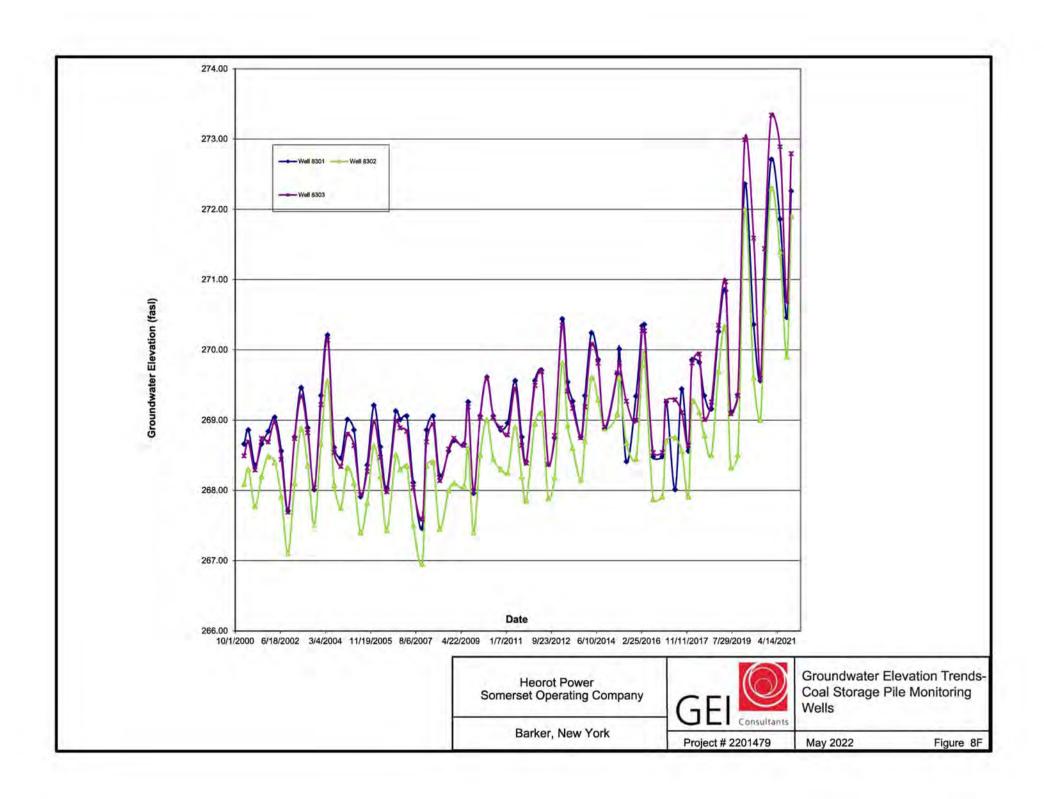


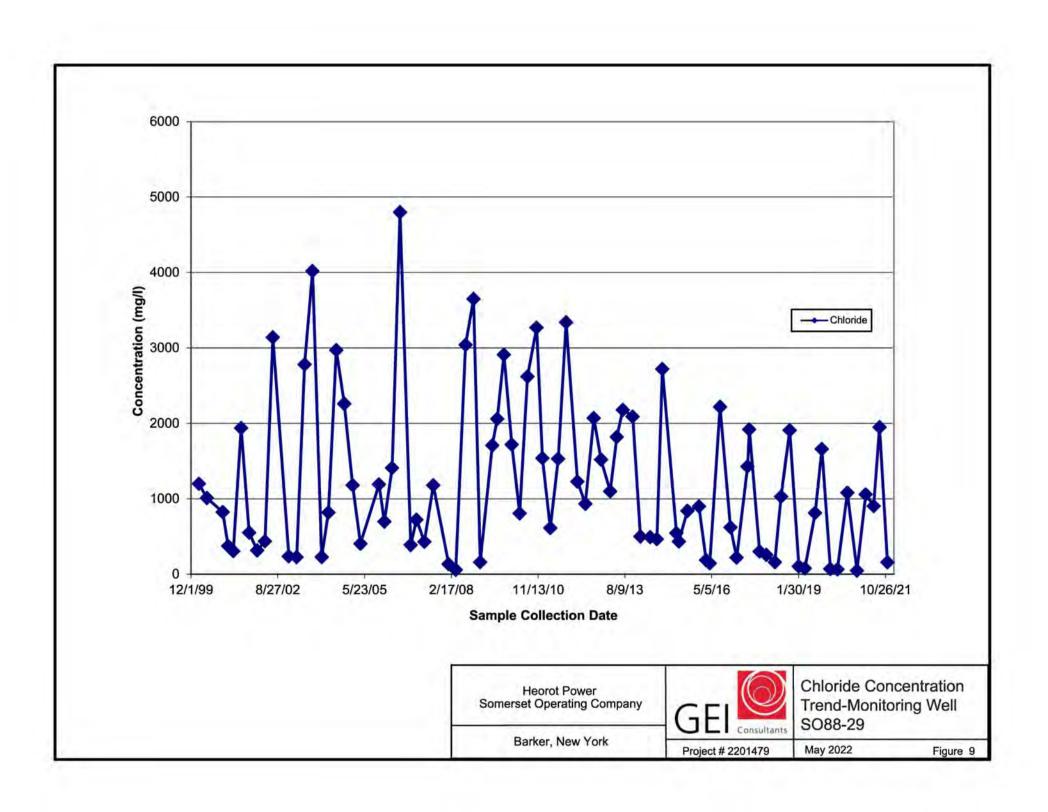


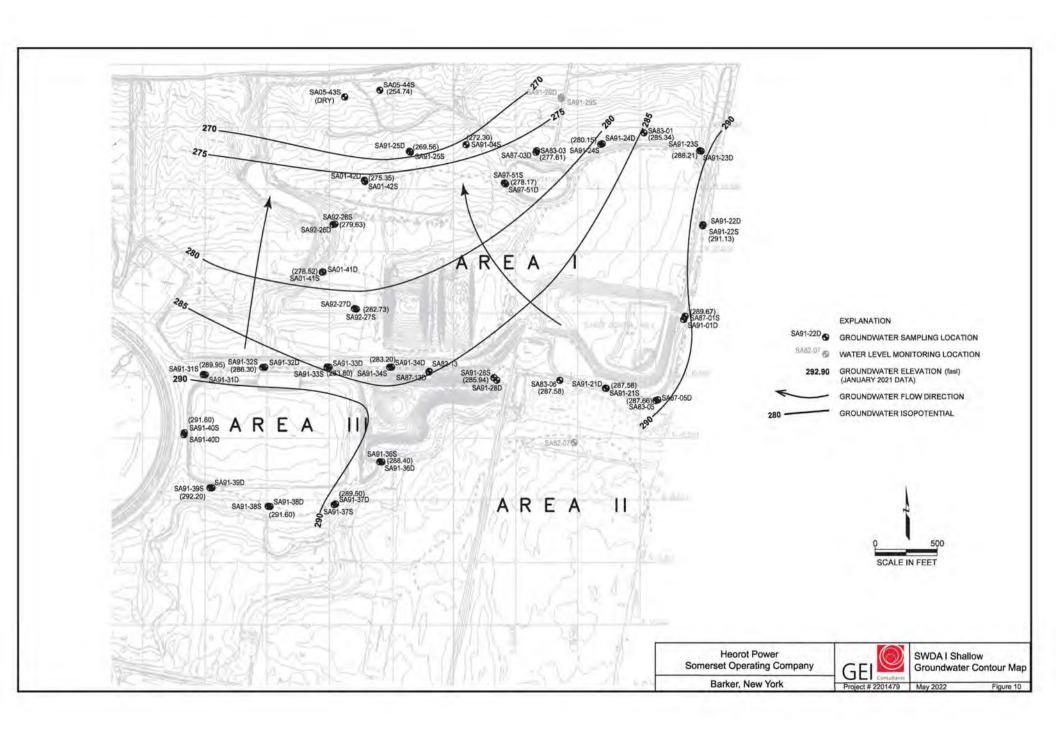


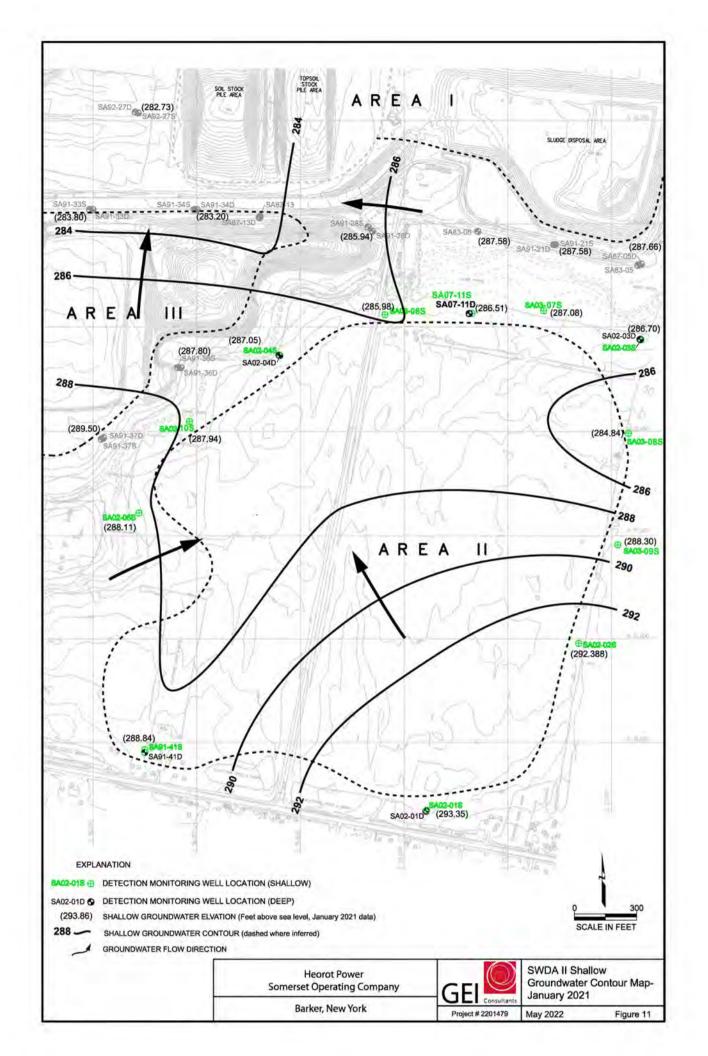


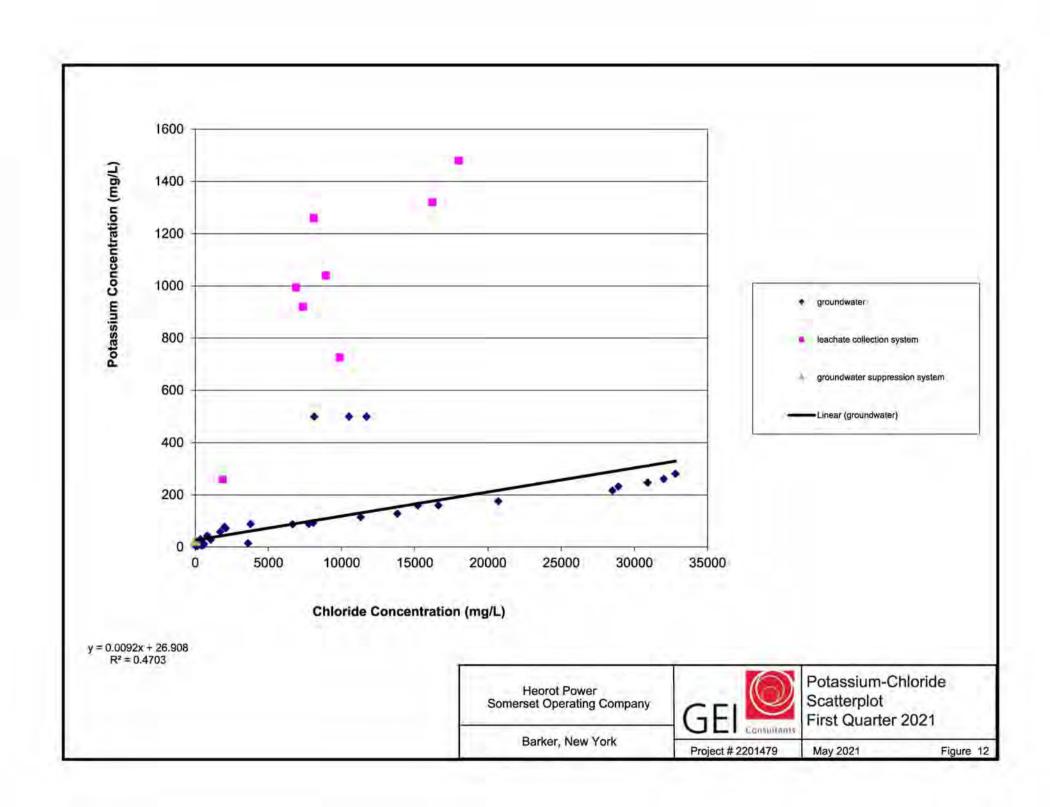


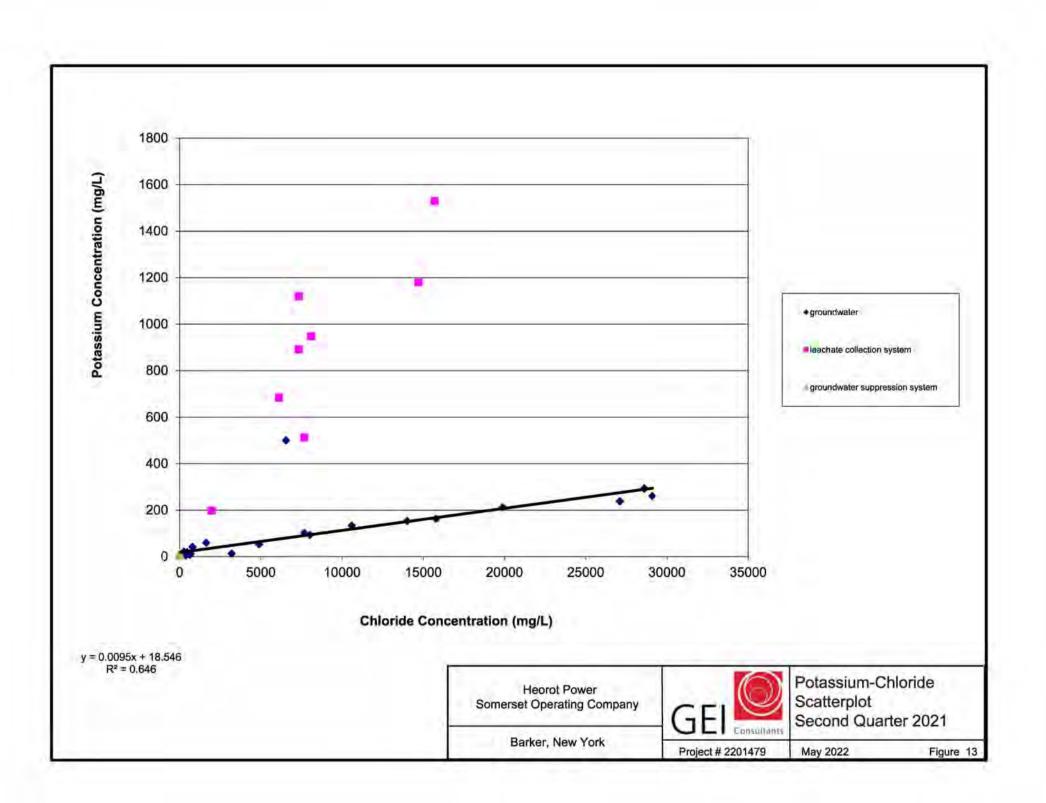


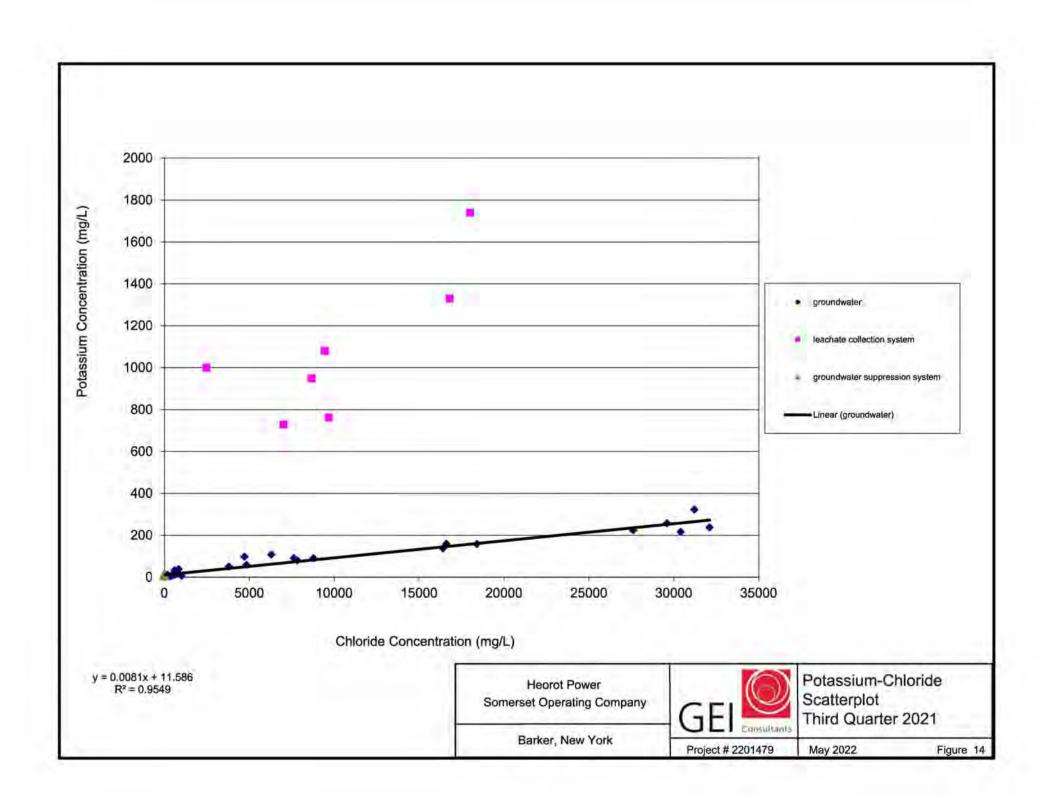


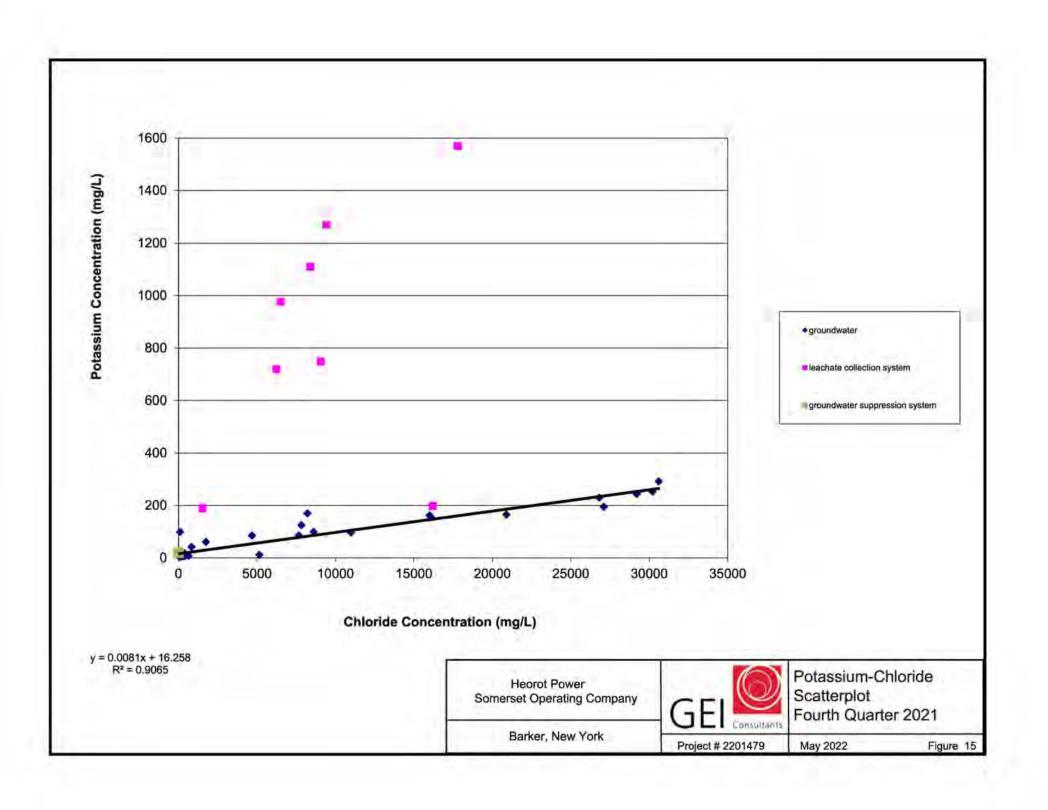


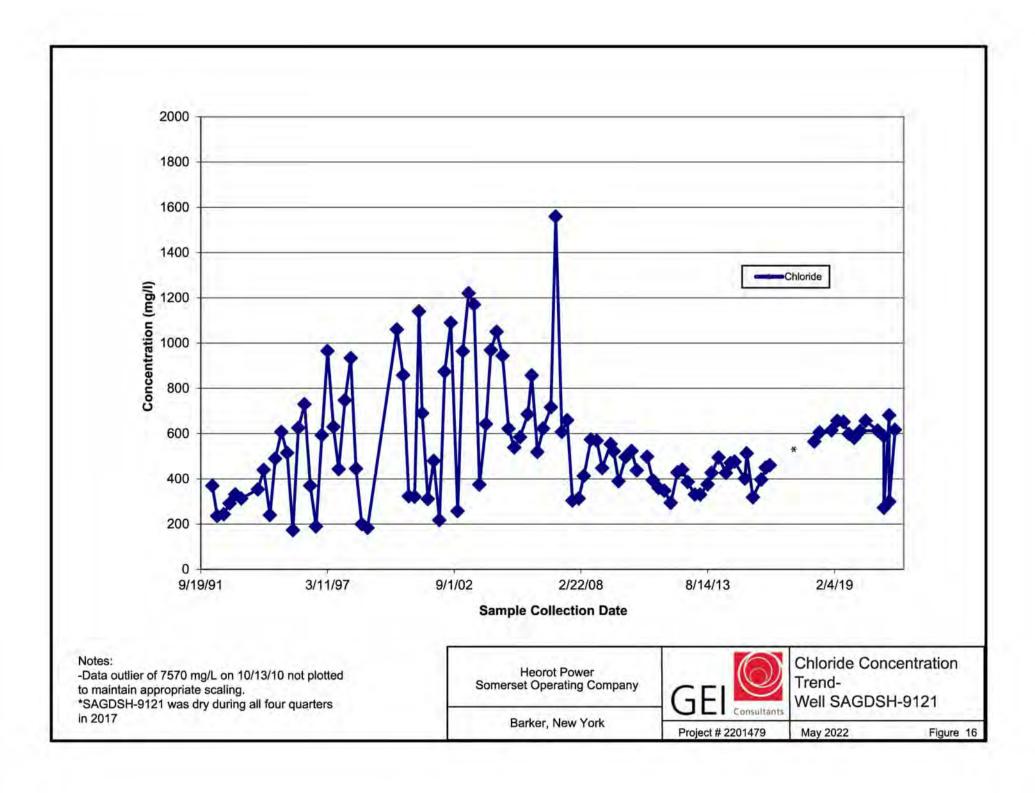


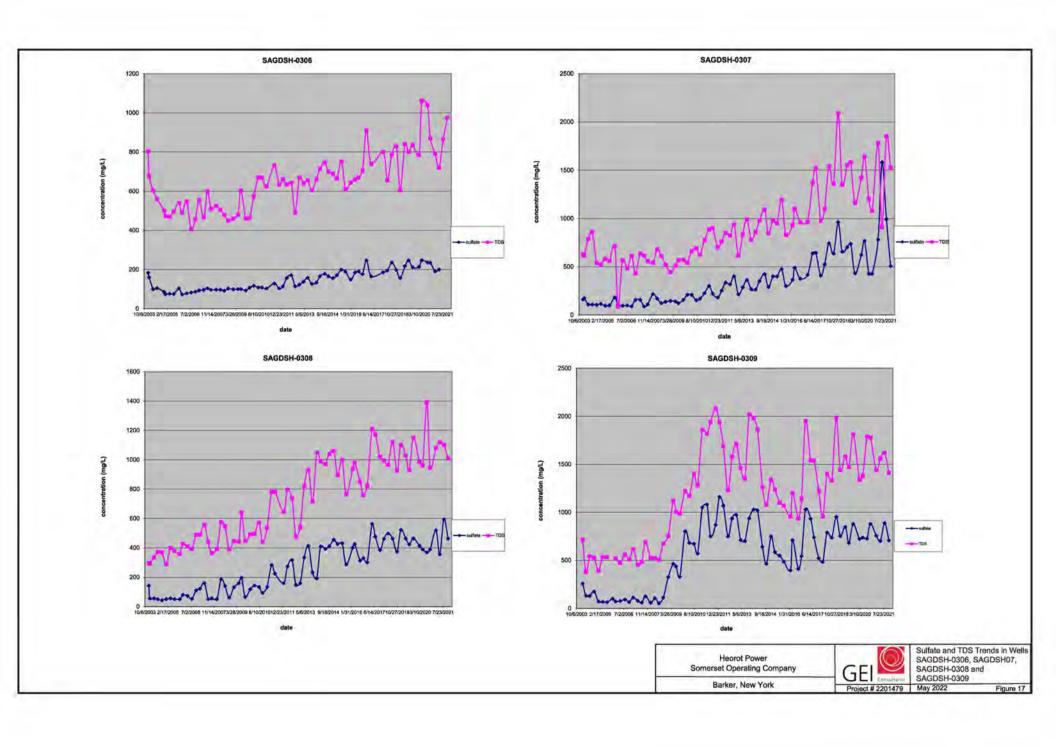


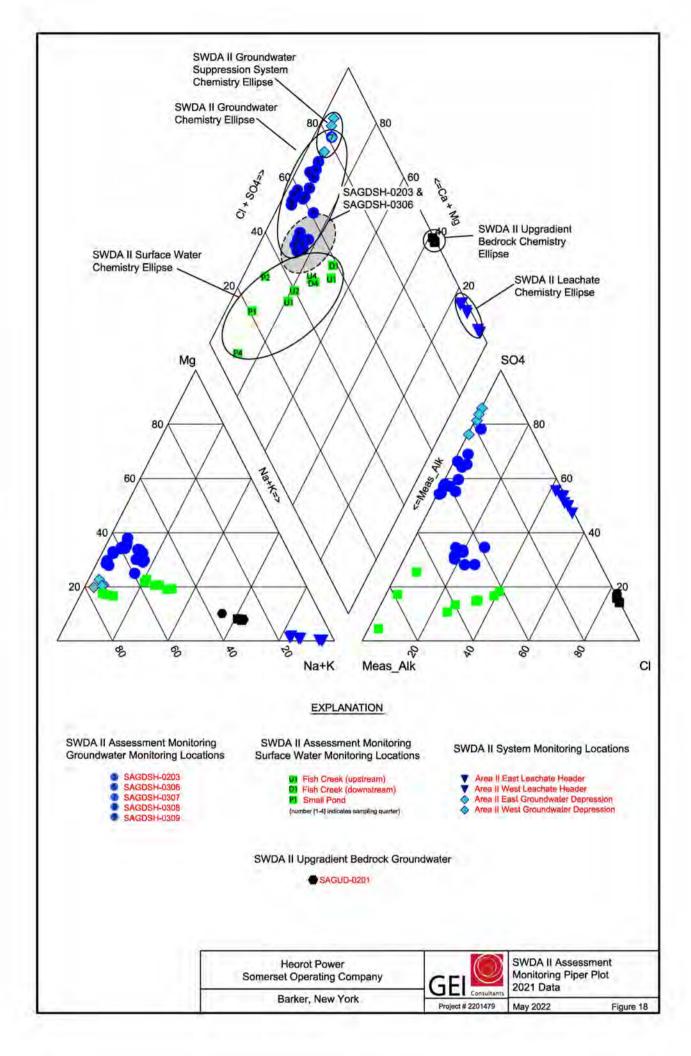












| Appendix A | |
|---------------------------------|--|
| Station Area Analytical Results | |
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| | Class GA | | Fe | b-21 | Ap | r-21 | Au | ig-21 | De | c-21 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | I Tech | mg/l | | 1 11 | 360 | | 340 | | 330 | |
| Aluminum - Total | | mg/l | | 4 | 0,109 | | | 1 | | |
| Ammonia | 2 | mg/l | | 1 5 5 | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.011 | 1.0 | 0.012 | | 0.005 | LT | 0.016 | |
| Bromide | | mg/l | | 1 T T T | 1 | CLT | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 73.6 | | 111 | | 65,9 | | 65.7 | |
| Chloride | 250 | mg/l | 16.6 | | 12.1 | | 37.6 | | 41,7 | |
| Chromium - Total | 0.05 | mg/l | | | 0.005 | LT | | | | |
| Conductivity | - | UMHO/CM | 930 | | 920 | | 980 | | 1015 | |
| Copper - Total | 0.2 | mg/l | | | 0.005 | LT | | - | | |
| EH- | | VOLTS | | 1 | -5 | | | | | |
| F2 | 1,5 | mg/l | | 11 | 0.2 | LT | | | | |
| Hardness | - 2 | mg/l | | | 556 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.456 | | 0.867 | | 0.612 | | 0.53 | |
| Lead - Total | 0.025 | mg/l | | | 0.006 | | | | | |
| Lithium - Total | | mg/l | | | 0.314 | | | | | |
| Magnesium - Total | φ. | mg/l | 49.2 | 1 | 67.7 | | 46.9 | | 47.6 | |
| Manganese - Total | 0.3 | mg/l | 0.047 | | 0.051 | 1 | 0.042 | | 0.047 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | 7.4 | | 7.4 | | 7.5 | | 7.5 | |
| Potassium - Total | | mg/l | 5.19 | | 6.07 | | 7.93 | | 8.69 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | 1 | (Ta) | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | | 26.8 | | | | | |
| Strontium - Total | | mg/l | | 1 1 | 1.03 | | | | | |
| Sulfate | 250 | mg/l | 123 | 1 10 | 121 | | 157 | 11 | 145 | |
| Total Dissolved Solids | 500 | mg/l | 555 | | 660 | | 595 | 2 = 41 | 540 | |
| Turbidity | 5 | NTU | 23 | | 7.4 | | 11 | | 13 | |
| Zinc -Total | | mg/l | | | 0.01 | LŤ | | | | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed,

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Fe | b-21 | Ap | r-21 | Au | g-21 | De | c-21 |
|------------------------|--|---------|----------------------|----------|-------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | I Tech | mg/l | 36 | 1 | | | 52 | | 52 | |
| Aluminum - Total | | mg/l | I Share | | | | | 7 - 1 | | |
| Ammonia | 2 | mg/l | 10.8 | | | | 9.2 | | 10 | |
| Arsenic - Total | 0.025 | mg/l | 0.007 | | | | 0.006 | 11 | 0.005 | LT |
| Bromide | - | mg/l | | | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | 0.005 | LT | 0.005 | LT |
| Calcium - Total | 9 | mg/l | 1290 | | | | 1240 | | 1340 | |
| Chloride | 250 | mg/l | 11700 | | | | 11000 | | 11300 | |
| Chromium - Total | 0.05 | mg/l | | | | | | | | |
| Conductivity | 1 | UMHO/CM | 30430 | | | | 27060 | 1 4 1 | 29210 | |
| Copper - Total | 0.2 | mg/l | | 1 | | | | | | |
| EH- | | VOLTS | | | | | | | | |
| F2 | 1.5 | mg/l | | | | | | | | |
| Hardness | 2 | mg/l | | I IN | | | | | | |
| Iron - Total | 0.3 | mg/l | 2.25 | | | RY | 1.92 | | 2.3 | |
| Lead - Total | 0.025 | mg/l | | | | avi | | | | |
| Lithium - Total | 1 | mg/l | | | | | | | | |
| Magnesium - Total | - | mg/l | 184 | | | | 284 | | 251 | |
| Manganese - Total | 0.3 | mg/l | 1.36 | | | 1 | 1.91 | | 1.38 | |
| Mercury - Total | 0.0007 | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.1 | 1 | | | 7.1 | | 7.1 | |
| Potassium - Total | | mg/l | 118 | | | | 153 | | 127 | |
| Selenium - Total | 0.01 | mg/l | | | | | | | | |
| Silver - Total | 0.05 | mg/l | | - | | | | | | |
| Sodium - Total | 20 | mg/l | | | | | | | | |
| Strontium - Total | | mg/l | | 1 | | | 4 | | | |
| Sulfate | 250 | mg/l | 1060 | | | | 1030 | | 1100 | |
| Total Dissolved Solids | 500 | mg/l | 20800 | 1000 | | | 17900 | 2 11 | 19100 | |
| Turbidity | 5 | NTU | 1.5 | | | | 10 | 1 | 2 | |
| Zinc -Total | | mg/l | | | | | | - | | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed,

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Fel | 5-21 | Ap | r-21 | Au | ig-21 | De | c-21 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 1 1 | mg/l | 230 | | 250 | | 260 | () | 290 | |
| Aluminum - Total | | mg/l | | - T | 0.1 | LT | | | | |
| Ammonia | 2 | mg/l | 0.2 | | 0.3 | | 0.1 | LT | 0.2 | |
| Arsenic - Total | 0.025 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Bromide | | mg/l | | 7 7 7 L | 2,25 | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | 10 | mg/l | 85.1 | | 122 | | 106 | | 93.1 | |
| Chloride | 250 | mg/l | 205 | | 226 | | 319 | | 214 | |
| Chromium - Total | 0.05 | mg/l | | | 0.005 | LT | | | | |
| Conductivity | - | UMHO/CM | 1525 | | 1835 | | 1790 | | 1665 | |
| Copper - Total | 0.2 | mg/l | | | 0.005 | LT | | | | |
| EH- | | VOLTS | | | 47 | | | | | |
| F2- | 1.5 | mg/l | | | 0.39 | | | | | |
| Hardness | | mg/l | | | 655 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.173 | | 0.159 | | 0.085 | | 0.072 | |
| Lead - Total | 0.025 | mg/l | | | 0.005 | LT | | | | |
| Lithium - Total | | mg/l | | 4 | 0.057 | | | | | |
| Magnesium - Total | φ. | mg/l | 64.2 | | 85 | | 83.8 | | 79.1 | |
| Manganese - Total | 0,3 | mg/l | 0.11 | | 0.104 | | 0.089 | | 0.062 | |
| Mercury - Total | 0,0007 | mg/l | | | 0.0002 | LT | 1 | | | |
| pH | 6.5 to 8.5 | SU | 7.4 | | 7.4 | | 7.4 | | 7.6 | |
| Potassium - Total | | mg/l | 7.34 | | 9.02 | | 9,52 | 1 | 8.46 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | | 104 | | | | | |
| Strontium - Total | | mg/l | | | 2.71 | | | 1 | | |
| Sulfate | 250 | mg/l | 282 | | 296 | | 369 | | 337 | |
| Total Dissolved Solids | 500 | mg/l | 815 | 14 | 1170 | - | 1250 | 2 - 11 | 1120 | |
| Turbidity | 5 | NTU | 6.9 | | 5.3 | | 14 | 2 1 | 2.5 | |
| Zinc -Total | | mg/l | 1 | | 0.01 | LŤ | - | | | |

Notes:

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed,

^{- =} No Class GA guidance value or standard exists.

| | Class GA | H | Fel | p-21 | Ap | or-21 | Au | ıg-21 | De | c-21 |
|------------------------|--|---------|----------------------|-------------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | I Decid | mg/l | | $\tau = r$ | 310 | | 290 | | 340 | |
| Aluminum - Total | | mg/l | | - T | 0.1 | LT | | 11 | | |
| Ammonia | 2 | mg/l | | 1 | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.005 | | 0,005 | | 0.005 | LT | 0.005 | LT |
| Bromide | - | mg/l | | 1 7 7 1 | 1.04 | | | 1. 3.11 | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | 1.8 | mg/l | 66.7 | 1 1 1 1 1 1 | 104 | | 67.6 | | 66.5 | |
| Chloride | 250 | mg/l | 158 | | 126 | | 117 | | 123 | |
| Chromium - Total | 0.05 | mg/l | | | 0.005 | LT | | | | |
| Conductivity | - | UMHO/CM | 1325 | | 1350 | | 1325 | 1 - 1 | 1345 | |
| Copper - Total | 0.2 | mg/l | | | 0,005 | LT | | | | |
| EH- | | VOLTS | | 10 | 22 | 12/11 | | | | |
| F2 | 1,5 | mg/l | | 1 | 0.2 | LT | | | | |
| Hardness | | mg/l | | | 476 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Lead - Total | 0.025 | mg/l | | | 0.005 | LT | | | | |
| Lithium - Total | | mg/l | | | 0.072 | | | | | |
| Magnesium - Total | - | mg/l | 37.6 | | 52.6 | | 38 | | 37.8 | |
| Manganese - Total | 0.3 | mg/l | 0.044 | | 0.06 | | 0.053 | | 0.05 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | 7.5 | | 7.5 | | 7.4 | | 7.5 | |
| Potassium - Total | | mg/l | 11.5 | | 13 | | 13 | | 12.9 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | 1 | E 14 | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | | 173 | | | | | |
| Strontium - Total | | mg/l | | 1 | 1.47 | | | | | |
| Sulfate | 250 | mg/l | 176 | | 160 | | 165 | | 160 | |
| Total Dissolved Solids | 500 | mg/l | 755 | 1 4 | 800 | | 735 | 2 - 1 | 775 | |
| Turbidity | 5 | NTU | 2 | | 1.4 | | 10 | 1 | 1.6 | |
| Zinc -Total | | mg/l | | | 0.01 | LŤ | | F | - 4 | |

Notes:

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed,

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Fe | b-21 | Ap | r-21 | Au | g-21 | De | c-21 |
|------------------------|--|---------|----------------------|----------|-------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 290 | 1 1 1 | | | 290 | () | 292 | |
| Aluminum - Total | | mg/l | | 4 T | | | | | | |
| Ammonia | 2 | mg/l | 0,9 | | | 1 | 0.8 | | 1.3 | |
| Arsenic - Total | 0.025 | mg/l | 0.005 | LT | | | 0.005 | LT | 0.005 | LT |
| Bromide | | mg/l | | 7 1 3 7 | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | - 1 | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 228 | | | I | 405 | | 385 | |
| Chloride | 250 | mg/l | 1170 | | | - 1 | 1570 | | 1040 | |
| Chromium - Total | 0.05 | mg/l | | | | - 1 | | | | |
| Conductivity | - | UMHO/CM | 4305 | | | 1 | 4160 | | 3905 | |
| Copper - Total | 0.2 | mg/l | | | | 1 | | | | |
| EH- | | VOLTS | | | | 1 | | | | |
| F2 | 1.5 | mg/l | | | | l l | | | | |
| Hardness | - | mg/l | | | | | | | | |
| Iron - Total | 0.3 | mg/l | 1.3 | | Cr. | RY | 1.53 | 7 11 | 1.42 | |
| Lead - Total | 0.025 | mg/l | | | L | 1 | | | | |
| Lithium - Total | | mg/l | | | | | | | | |
| Magnesium - Total | - | mg/l | 84.8 | | | | 98.7 | | 101 | |
| Manganese - Total | 0,3 | mg/l | 0.182 | | | 1 | 0,234 | | 0.244 | |
| Mercury - Total | 0.0007 | mg/l | | | | 1 | | | | |
| pH | 6.5 to 8.5 | SU | 7.3 | | | 1 | 7.2 | | 7.3 | |
| Potassium - Total | | mg/l | 11 | | | 1 | 16,3 | | 16 | |
| Selenium - Total | 0.01 | mg/l | | | | 1 | | | | |
| Silver - Total | 0.05 | mg/l | | | | 1 | | | | |
| Sodium - Total | 20 | mg/l | | | | | | | | |
| Strontium - Total | | mg/l | | | | 1 | 4 | | | |
| Sulfate | 250 | mg/l | 428 | | | 1 | 446 | \sim | 374 | |
| Total Dissolved Solids | 500 | mg/l | 2660 | | | 1 | 3340 | 11 | 2840 | |
| Turbidity | 5 | NTU | 10.2 | | | 1 | 12 | 11 | 12 | |
| Zinc -Total | | mg/l | | | | | × × | - | - 1 | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed,

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Fe | b-21 | Ar | r-21 | Au | ig-21 | De | c-21 |
|------------------------|--|---------|----------------------|----------|-------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 260 | | | | 250 | | 272 | |
| Aluminum - Total | | mg/l | | J = T | | | | 1 | | |
| Ammonia | 2 | mg/l | 0,6 | | | | 0.5 | | 0.5 | |
| Arsenic - Total | 0.025 | mg/l | 0.005 | LT | | | 0.005 | LT | 0.005 | LT |
| Bromide | - | mg/l | | | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | - 1 | 0.005 | LT | 0.005 | LT |
| Calcium - Total | 18 | mg/l | 102 | | | - 1 | 90.3 | | 90.1 | |
| Chloride | 250 | mg/l | 484 | | | - 1 | 362 | | 382 | |
| Chromium - Total | 0.05 | mg/l | | | | | | | | |
| Conductivity | - | UMHO/CM | 2630 | | | | 1935 | 1 - 1 | 2150 | |
| Copper - Total | 0.2 | mg/l | | | | 1 | | | | |
| EH- | | VOLTS | | | | | | | | |
| F2 | 1.5 | mg/l | | | | | | | | |
| Hardness | - 2 | mg/l | | | | | | 1 | | |
| Iron - Total | 0.3 | mg/l | 0.276 | | - | RY | 0.221 | | 0.178 | |
| Lead - Total | 0.025 | mg/l | | | L | 100 | | | | |
| Lithium - Total | | mg/l | | | | | | | | |
| Magnesium - Total | · · | mg/l | 84.4 | | | | 55.4 | | 56.3 | , |
| Manganese - Total | 0,3 | mg/l | 0.11 | | | | 0.095 | | 0.091 | |
| Mercury - Total | 0,0007 | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.4 | | | | 7.4 | | 7.5 | |
| Potassium - Total | | mg/l | 13.6 | | | - 1 | 14.5 | | 13,7 | |
| Selenium - Total | 0.01 | mg/l | | | | 1 | | | | |
| Silver - Total | 0.05 | mg/l | | | | | | | | |
| Sodium - Total | 20 | mg/l | | | | | | | | |
| Strontium - Total | | mg/l | | 1 | | | | | | |
| Sulfate | 250 | mg/l | 214 | | | 1 | 228 | | 239 | |
| Total Dissolved Solids | 500 | mg/l | 1370 | | | 1 | 1160 | 2 - 1 | 1350 | |
| Turbidity | 5 | NTU | 8.9 | | | - 1 | 15 | 7 - 1 | 3.7 | |
| Zinc -Total | | mg/l | | | | | | | | |

Notes:

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed,

^{- =} No Class GA guidance value or standard exists.

| | Class GA | 10 | Fe | 5-21 | Ar | r-21 | Au | ig-21 | De | c-21 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | | 1 - 10 | 180 | | 210 | | 230 | |
| Aluminum - Total | | mg/l | | 4 | 0.1 | LT | | E 1) | | |
| Ammonia | 2 | mg/l | | 1 | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Bromide | - | mg/l | | | 1.32 | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 73.1 | | 108 | | 130 | | 139 | |
| Chloride | 250 | mg/l | 291 | | 152 | | 351 | | 283 | |
| Chromium - Total | 0.05 | mg/l | | | 0,005 | LT | | | | |
| Conductivity | - | UMHO/CM | 1205 | | 1265 | | 1950 | 1 - 1 | 2210 | |
| Copper - Total | 0.2 | mg/l | | 1 10 | 0.005 | LT | | | | |
| EH- | | VOLTS | | 1 | -50 | | | | | |
| F2 | 1,5 | mg/l | | 1 | 0.67 | | | | | |
| Hardness | | mg/l | | 1 4 7 | 503 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.553 | | 0.721 | | 1,13 | 7 - 11 | 1.29 | |
| Lead - Total | 0.025 | mg/l | | | 0.005 | LT | | | | |
| Lithium - Total | | mg/l | | | 0.05 | LT. | | | | |
| Magnesium - Total | - | mg/l | 36.8 | | 56.7 | | 74.6 | | 86.2 | |
| Manganese - Total | 0.3 | mg/l | 0.072 | | 0.148 | | 0,214 | | 0.205 | |
| Mercury - Total | 0,0007 | mg/l | | | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | 7.5 | | 7.6 | | 7.4 | | 7.4 | |
| Potassium - Total | | mg/l | 6.57 | | 10.1 | | 12,1 | | 13.1 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | | 102 | | | | | |
| Strontium - Total | - | mg/l | 1 | 4 | 1.85 | | | | | |
| Sulfate | 250 | mg/l | 339 | | 227 | | 401 | | 376 | |
| Total Dissolved Solids | 500 | mg/l | 1100 | - | 955 | | 1200 | 2.0 | 1170 | |
| Turbidity | 5 | NTU | 6.3 | | 5.6 | | 13 | 2 - 1 | 5.4 | |
| Zinc -Total | | mg/l | | 4 | 0.01 | LŤ | | | | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Fe | 5-21 | Ar | r-21 | Au | ig-21 | De | c-21 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | | 1 == 1: | 390 | - | 280 | (= ==) | 330 | |
| Aluminum - Total | | mg/l | | T = 41 | 0.1 | LT | | | | |
| Ammonia | 2 | mg/l | | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Bromide | - | mg/l | | | 1 | LT | | | | 7 7 |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | - 9 | mg/l | 140 | + | 193 | | 130 | | 135 | |
| Chloride | 250 | mg/l | 30.2 | | 23.4 | | 33,5 | | 33 | |
| Chromium - Total | 0.05 | mg/l | | | 0,005 | LT | | | | |
| Conductivity | - | UMHO/CM | 1240 | | 1225 | | 1130 | | 1260 | |
| Copper - Total | 0.2 | mg/l | | | 0,005 | LT | | | | |
| EH- | | VOLTS | | 14 | 54 | | | | | |
| F2 | 1,5 | mg/l | | | 0.2 | | | 9 | | |
| Hardness | | mg/l | | | 717 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.537 | | 1.45 | | 0.617 | 7 | 0.788 | |
| Lead - Total | 0.025 | mg/l | | | 0.005 | LT | | | | |
| Lithium - Total | | mg/l | | | 0.165 | | | | | |
| Magnesium - Total | - | mg/l | 46.4 | | 57 | | 42.7 | | 44.2 | |
| Manganese - Total | 0.3 | mg/l | 0.282 | 7 | 0.288 | | 0,265 | | 0.27 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | 7.1 | | 7.2 | | 7.2 | | 7.2 | |
| Potassium - Total | | mg/l | 14.6 | | 14.7 | | 14,8 | | 15 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | 1 |
| Sodium - Total | 20 | mg/l | | | 17.3 | | | | | |
| Strontium - Total | | mg/l | | - | 0.614 | | | | | , I I |
| Sulfate | 250 | mg/l | 314 | | 283 | | 272 | | 275 | 71 |
| Total Dissolved Solids | 500 | mg/l | 870 | 11-11 | 945 | | 725 | | 810 | |
| Turbidity | 5 | NTU | 4.2 | | 8.8 | | 6.3 | 2 2 2 | 2.7 | |
| Zinc -Total | | mg/l | | 4 | 0.01 | LŤ | | | | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Fe | b-21 | Ar | r-21 | Au | ig-21 | De | c-21 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 1 - | mg/l | | 1 | 180 | | 240 | | 300 | |
| Aluminum - Total | | mg/l | | 4 | 0.1 | LT | | 17 | | |
| Ammonia | 2 | mg/l | | 1 | | | - | | | |
| Arsenic - Total | 0.025 | mg/l | 0.014 | | 0.012 | | 0.014 | 1 | 0.011 | |
| Bromide | - | mg/l | | 1777 | 2,45 | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 154 | | 234 | | 149 | | 142 | |
| Chloride | 250 | mg/l | 325 | 4 | 298 | | 257 | | 224 | |
| Chromium - Total | 0.05 | mg/l | | | 0,005 | LT | | | | |
| Conductivity | - | UMHO/CM | 2690 | | 2510 | | 2325 | 1 - 1 | 2320 | |
| Copper - Total | 0.2 | mg/l | | | 0.005 | LT | | | | |
| EH- | | VOLTS | | 14 | -22 | | | | | |
| F2- | 1,5 | mg/l | | 11 | 0.2 | LT | | 9 | | |
| Hardness | - 2 | mg/l | | 1 1 | 994 | | | 1 | | |
| Iron - Total | 0.3 | mg/l | 1.11 | | 1.11 | | 1.04 | 7 | 0.935 | |
| Lead - Total | 0.025 | mg/l | | | 0.006 | | | | | |
| Lithium - Total | | mg/l | 4 1 1 | 200 | 0.05 | LT | | | | |
| Magnesium - Total | - | mg/l | 78.9 | 4 | 99.6 | | 78.4 | | 71.8 | |
| Manganese - Total | 0.3 | mg/l | 0.113 | 1 | 0.117 | | 0.109 | | 0.097 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | 7.3 | | 7.4 | | 7.3 | | 7.4 | |
| Potassium - Total | | mg/l | 9.58 | | 10.3 | | 9,78 | | 9,72 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | 7 10.54 | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | | 292 | | | | | |
| Strontium - Total | - | mg/l | | | 2.1 | | | | | |
| Sulfate | 250 | mg/l | 712 | | 739 | | 697 | | 653 | |
| Total Dissolved Solids | 500 | mg/l | 1820 | | 1870 | | 1640 | | 1600 | |
| Turbidity | 5 | NTU | 1.6 | | 1.4 | | 5.6 | 1 | 3.6 | |
| Zinc -Total | | mg/l | | | 0.01 | LT | | | | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed,

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Fe | 5-21 | Ap | r-21 | Au | ig-21 | De | c-21 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 260 | 1 == 10 | 250 | | 250 | | 270 | |
| Aluminum - Total | | mg/l | | 4 = 10 | 0.1 | LT | | 17 | | |
| Ammonia | 2 | mg/l | 1.2 | | 1,2 | | 1.1 | | 1.5 | |
| Arsenic - Total | 0.025 | mg/l | 0.005 | LT | 0.008 | | 0.006 | 4 1 | 0.006 | |
| Bromide | - | mg/l | | IT TO IT | 3,55 | | | 7.11 | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | - 9 | mg/l | 84.2 | | 121 | | 89.4 | | 93.7 | |
| Chloride | 250 | mg/l | 404 | | 366 | | 331 | | 371 | |
| Chromium - Total | 0.05 | mg/l | | | 0,005 | LT | | | | V |
| Conductivity | - | UMHO/CM | 2010 | | 2075 | | 1985 | 1 4 1 | 2120 | |
| Copper - Total | 0.2 | mg/l | | | 0.005 | LT | | | | |
| EH- | | VOLTS | | | -37 | | | | | |
| F2 | 1.5 | mg/l | | | 0.32 | | | | | |
| Hardness | | mg/l | | | 569 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.656 | | 0.983 | | 0.922 | | 0.937 | |
| Lead - Total | 0.025 | mg/l | | | 0.005 | LT | | | | |
| Lithium - Total | | mg/l | | | 0.087 | | | | | |
| Magnesium - Total | - | mg/l | 49.2 | 4 | 64.7 | | 52.6 | | 55.4 | |
| Manganese - Total | 0.3 | mg/l | 0.112 | | 0.114 | | 0.106 | | 0.11 | |
| Mercury - Total | 0.0007 | mg/l | | - | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | 7.4 | | 7.5 | | 7.4 | | 7.5 | |
| Potassium - Total | | mg/l | 16.1 | | 18.4 | | 18.3 | | 18,3 | Ji |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | 9 9 54 | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | 1 7 7 | 238 | - | | | | |
| Strontium - Total | | mg/l | | 1 | 3.88 | | | | | |
| Sulfate | 250 | mg/l | 216 | | 231 | | 253 | - | 239 | |
| Total Dissolved Solids | 500 | mg/l | 1090 | | 1390 | | 1210 | - | 1310 | |
| Turbidity | 5 | NTU | 5.3 | 11 11 14 | 0.3 | | 4.2 | | 5.1 | |
| Zinc -Total | | mg/l | | | 0.01 | LŤ | | | | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed,

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Fel | p-21 | Ap | r-21 | Au | ig-21 | De | c-21 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 1 1 1 1 | mg/l | 260 | 1 = 10 | 30 | | 320 | | 380 | |
| Aluminum - Total | | mg/l | | 4 | 0.1 | LT | | | | |
| Ammonia | 2 | mg/l | 0,1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | 0.005 | LT | 0,005 | LT | 0.005 | LT | 0.005 | LT |
| Bromide | | mg/l | | 1 1 7 5 | 1 | LT | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 79.2 | 10 | 141 | | 110 | | 117 | |
| Chloride | 250 | mg/l | 5.66 | | 6.2 | | 15.3 | | 27.2 | |
| Chromium - Total | 0.05 | mg/l | | | 0.005 | LT | | | | |
| Conductivity | - | UMHO/CM | 680 | | 835 | | 810 | | 935 | |
| Copper - Total | 0.2 | mg/l | | | 0.006 | | | 1 | | |
| EH- | | VOLTS | | 1 | 82 | | | | | |
| F2 | 1.5 | mg/l | | 1 | 0.2 | LT | | | | |
| Hardness | | mg/l | | 144 | 481 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Lead - Total | 0.025 | mg/l | | 1 - 1 | 0.005 | LT | | 1 1 1 | | |
| Lithium - Total | | mg/l | | - | 0.075 | | | 1 | | |
| Magnesium - Total | - | mg/l | 20.6 | 1 | 31.2 | | 31 | | 33.1 | |
| Manganese - Total | 0.3 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.047 | |
| Mercury - Total | 0,0007 | mg/l | | | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | 7.4 | 4 4 | 7.2 | | 7.2 | | 7.2 | |
| Potassium - Total | | mg/l | 2.28 | | 3.3 | | 3.49 | | 3.93 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | | 5.97 | | | | | |
| Strontium - Total | | mg/l | | 1 | 0.494 | | | | | |
| Sulfate | 250 | mg/l | 65.8 | 1 | 99.6 | | 95.5 | | 90.1 | |
| Total Dissolved Solids | 500 | mg/l | 395 | 4 | 570 | | 565 | > | 635 | |
| Turbidity | 5 | NTU | 8.4 | 1 | 0.6 | | 4.6 | | 0.3 | |
| Zinc -Total | | mg/l | | | 0.01 | LŤ | | - I | | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed,

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Fe | b-21 | Ap | r-21 | Au | ig-21 | De | c-21 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 1 1 - 1 | mg/l | 350 | 1 == 12 | 360 | | 340 | () | 360 | |
| Aluminum - Total | | mg/l | | | 0.1 | LT | | | | |
| Ammonia | 2 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Bromide | - | mg/l | | 11721 | 1,28 | | | | | 7 327 |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 103 | | 155 | | 109 | | 96.1 | |
| Chloride | 250 | mg/l | 136 | 1 | 137 | | 184 | | 149 | |
| Chromium - Total | 0.05 | mg/l | | | 0,005 | LT | | | | |
| Conductivity | - | UMHO/CM | 1440 | | 1490 | | 1615 | | 1445 | |
| Copper - Total | 0.2 | mg/l | | 4 4 1 | 0.005 | LT | | - | | |
| EH- | | VOLTS | | 1 | 53 | 4 10 11 | | | | |
| F2 | 1,5 | mg/l | | 1 | 0.2 | LT | | | | |
| Hardness | | mg/l | | 1 4 | 762 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.05 | | 0.117 | | 0.054 | | 0.05 | LT |
| Lead - Total | 0.025 | mg/l | | | 0.005 | LT | | | | |
| Lithium - Total | | mg/l | | | 0.05 | LT | | | | |
| Magnesium - Total | + | mg/l | 68.3 | 1 | 91 | | 86.9 | | 70.7 | |
| Manganese - Total | 0.3 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |
| Mercury - Total | 0,0007 | mg/l | | | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | 7.2 | 1 1 | 7,2 | | 7.2 | | 7.4 | |
| Potassium - Total | | mg/l | 4.41 | | 4.77 | | 5,79 | | 5.68 | |
| Selenium - Total | 0.01 | mg/l | | 4 | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | 0 - 0 -4 | 0.01 | LT | | 1 | | |
| Sodium - Total | 20 | mg/l | | 1 9 7 6 | 71.9 | | | | | |
| Strontium - Total | | mg/l | | 1 4 | 1.3 | | | | | |
| Sulfate | 250 | mg/l | 242 | 1 | 243 | | 313 | | 220 | |
| Total Dissolved Solids | 500 | rng/l | 850 | | 1280 | | 1080 | A - 11 | 995 | |
| Turbidity | 5 | NTU | 6.1 | | 9.8 | | 12 | 1 | 4.9 | |
| Zinc -Total | | mg/l | 100 | | 0.01 | LŤ | | 1 | - 1 | |

Notes:

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

| | Class GA | 10 | Fe | b-21 | Ar | r-21 | Au | ig-21 | De | c-21 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 510 | 1 11 | 500 | | 430 | | 530 | |
| Aluminum - Total | | mg/l | | 4 | 0.1 | LT | | | | |
| Ammonia | 2 | mg/l | 0.1 | LT | 0.1 | LT | 0,1 | LT | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | 0.005 | LT | 0.005 | LT | 0,005 | LT | 0.005 | LT |
| Bromide | - | mg/l | | 1111 | 1 | LT | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0,005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 127 | | 165 | | 98 | | 119 | |
| Chloride | 250 | mg/l | 13.8 | | 23.3 | | 35.4 | | 9,95 | |
| Chromium - Total | 0.05 | mg/l | | | 0,005 | LT | | | | |
| Conductivity | - | UMHO/CM | 1205 | | 1215 | | 1080 | | 1170 | |
| Copper - Total | 0.2 | mg/l | | | 0.006 | | | | | |
| EH- | | VOLTS | | 10 | 39 | | | | | |
| F2 | 1,5 | mg/l | | 1 | 0.2 | | | | | |
| Hardness | | mg/l | | 1 4 1/ | 731 | | | 1 | | |
| Iron - Total | 0.3 | mg/l | 0.077 | | 0.096 | | 0.067 | | 0,129 | |
| Lead - Total | 0.025 | mg/l | | | 0.005 | LT | | | | |
| Lithium - Total | | mg/l | | P - 1 | 0.172 | | | | | |
| Magnesium - Total | - | mg/l | 62 | | 77.5 | | 58.6 | | 63.9 | |
| Manganese - Total | 0.3 | mg/l | 0.057 | | 0.1 | | 0.066 | | 0.202 | |
| Mercury - Total | 0,0007 | mg/l | | | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | 7.1 | 1 | 7 | | 7.1 | | 7.1 | |
| Potassium - Total | | mg/l | 2.3 | | 2.81 | | 3.34 | | 2.76 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | 1 | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | | 14.1 | | | | | |
| Strontium - Total | - | mg/l | | 1 | 0.781 | | | | | |
| Sulfate | 250 | mg/l | 137 | | 145 | | 127 | | 130 | |
| Total Dissolved Solids | 500 | mg/l | 740 | | 845 | | 675 | 2 - 1 | 660 | |
| Turbidity | 5 | NTU | 8.4 | | 5.8 | | 7.6 | 0 1 | 7 | |
| Zinc -Total | | mg/l | | | 0.01 | LŤ | | | 1 | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Fe | p-21 | Ap | r-21 | Au | ig-21 | De | c-21 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | | 1 == 12 | 460 | | | | 430 | |
| Aluminum - Total | | mg/l | | T = 41 | 0.1 | LT LT | | | | |
| Ammonia | 2 | mg/l | | | | | | 1 | | |
| Arsenic - Total | 0.025 | mg/l | 0.005 | LT | 0.005 | LT | | i | 0.005 | LT |
| Bromide | - | mg/l | | | 1 | LT | | | | 7 |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | | | 0.005 | LT |
| Calcium - Total | | mg/l | 183 | T = 10 | 329 | | | 1 | 241 | |
| Chloride | 250 | mg/l | 31 | | 26.2 | | | | 26,1 | |
| Chromium - Total | 0.05 | mg/l | | | 0.005 | LT | | | | |
| Conductivity | - | UMHO/CM | 1540 | | 1555 | | | | 1440 | |
| Copper - Total | 0.2 | mg/l | | | 0.005 | LT | | | | |
| EH- | | VOLTS | | 1 | 71 | | | | | |
| F2 | 1.5 | mg/l | | | 0.2 | LT | | 1 | | |
| Hardness | 2 | mg/l | | | 1250 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.355 | | 0.178 | | | RY | 0.461 | |
| Lead - Total | 0.025 | mg/l | | | 0.006 | | 100 | 'AST | | |
| Lithium - Total | | mg/l | | | 0.306 | | | | | |
| Magnesium - Total | - | mg/l | 63.5 | | 104 | | | - 0 | 59.4 | |
| Manganese - Total | 0.3 | mg/l | 0.75 | - | 0.865 | | | | 0.774 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | - 1 | | |
| pH | 6.5 to 8.5 | SU | 6.9 | | 7.0 | | | | 7 | |
| Potassium - Total | | mg/l | 2.09 | | 2.38 | | | - 1 | 2.42 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | - 1 | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | | 41.1 | | | | | |
| Strontium - Total | - | mg/l | | | 0.448 | | | | | |
| Sulfate | 250 | mg/l | 449 | | 410 | | | 1 | 374 | |
| Total Dissolved Solids | 500 | mg/l | 1170 | 11 14 17 | 1240 | | | | 995 | 1 200 |
| Turbidity | 5 | NTU | 48 | | 16 | | | | 18 | |
| Zinc -Total | | mg/l | | 4 | 0.01 | LT | | - | | |

Notes:

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed,

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Fe | 5-21 | Ar | r-21 | Au | g-21 | De | c-21 |
|------------------------|--|---------|----------------------|-------------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 380 | | 420 | 1 | 330 | (=) | 330 | |
| Aluminum - Total | | mg/l | | 4 | 0.1 | LT | | | | |
| Ammonia | 2 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Bromide | - | mg/l | | | 1 | LT | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | 1.0 | mg/l | 105 | | 194 | | 94.6 | | 85.8 | |
| Chloride | 250 | mg/l | 10.3 | | 21.7 | | 31,4 | | 36.9 | |
| Chromium - Total | 0.05 | mg/l | | | 0.005 | LT | | | | |
| Conductivity | - | UMHO/CM | 945 | | 1175 | | 1030 | | 1080 | |
| Copper - Total | 0.2 | mg/l | | 1 | 0.005 | LT | | | | |
| EH- | | VOLTS | | 1 | 76 | 4.27.11 | | | | |
| F2 | 1.5 | mg/l | | 1 | 0.2 | LT | | | | |
| Hardness | - 2 | mg/l | | | 836 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Lead - Total | 0.025 | mg/l | | - | 0.005 | LT | | | | |
| Lithium - Total | Ter I | mg/l | | 4 | 0.374 | | | | | |
| Magnesium - Total | + | mg/l | 39.4 | | 85.5 | | 47.6 | | 51.8 | |
| Manganese - Total | 0,3 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | 17 10 11 |
| pH | 6.5 to 8.5 | SU | 7 | 1 10 | 7.1 | | 7.2 | | 7.3 | |
| Potassium - Total | | mg/l | 1.62 | | 3.54 | | 4,49 | | 6.09 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | 5 4 | 31.2 | | | | | |
| Strontium - Total | | mg/l | | | 0.735 | | | | | |
| Sulfate | 250 | mg/l | 130 | | 191 | | 189 | | 201 | |
| Total Dissolved Solids | 500 | mg/l | 580 | | 815 | | 645 | 2-11 | 755 | |
| Turbidity | 5 | NTU | 1.2 | Tel 100 (4) | 1.1 | | 5.3 | 0 11 | 0.4 | |
| Zinc -Total | | mg/l | | | 0.01 | LŤ | | 1 | | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed,

^{- =} No Class GA guidance value or standard exists.

| | Class GA | K | Fe | p-21 | Ap | or-21 | Au | ıg-21 | De | c-21 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | I Tech | mg/l | 330 | 1 = 10 | 380 | | 460 | | 450 | |
| Aluminum - Total | | mg/l | 1.000 | 4 | 0.1 | LT | | | | |
| Ammonia | 2 | mg/l | 0,1 | LT | 0.1 | LT | 0,1 | LT | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Bromide | - | mg/l | | | 1 | LT | - | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 93.9 | | 187 | | 142 | | 129 | |
| Chloride | 250 | mg/l | 2.92 | 1 | 8.71 | | 18.1 | | 2 | LT |
| Chromium - Total | 0.05 | mg/l | | | 0,005 | LT | | | | |
| Conductivity | - | UMHO/CM | 715 | | 995 | | 1175 | | 915 | |
| Copper - Total | 0.2 | mg/l | | 4 11 | 0.005 | LT | | | | |
| EH- | | VOLTS | | 4 20 | 89 | | | | | |
| F2 | 1.5 | mg/l | | | 0.2 | LT | | | | |
| Hardness | - 2 | mg/l | | 1 1/ | 599 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.124 | | 0.05 | LT | 0.11 | | 0.069 | |
| Lead - Total | 0.025 | mg/l | | | 0.005 | LT | | | | |
| Lithium - Total | | mg/l | | 200 | 0.142 | | | | | |
| Magnesium - Total | · · | mg/l | 21 | 1 | 32.1 | | 37.7 | | 29.4 | |
| Manganese - Total | 0,3 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |
| Mercury - Total | 0,0007 | mg/l | | | 0.0002 | LT | | | | 100 |
| pH | 6.5 to 8.5 | SU | 7 | | 7.1 | | 7 | | 7 | |
| Potassium - Total | | mg/l | 0.42 | | 0.723 | | 0.953 | | 0.669 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | 9 14 | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | 17.5 | 13.7 | | | | | |
| Strontium - Total | | mg/l | | | 0.389 | | | 1 | | |
| Sulfate | 250 | mg/l | 55.3 | | 82 | | 122 | | 60.2 | |
| Total Dissolved Solids | 500 | mg/l | 385 | 4 | 655 | | 725 | 2 - 1 | 570 | |
| Turbidity | 5 | NTU | 1.9 | 1 1 | 1.6 | | 7.9 | 1 | 1.3 | |
| Zinc -Total | | mg/l | | | 0.01 | LŤ | | F | | |

Notes:

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Fe | b-21 | Ar | r-21 | Au | g-21 | De | c-21 |
|------------------------|--|---------|----------------------|-----------|--------|----------|---------|----------|---------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | I Dec I | mg/l | 370 | 100 | 400 | | 400 | | 420 | |
| Aluminum - Total | | mg/l | 0.033 | LT | 0.1 | LT | 0.033 | LT | 0.031 | LT |
| Ammonia | 2 | mg/l | 1.2 | 1 10 | 0,1 | LT | 0,1 | LT | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | 0.00449 | | 0.005 | LT | 0,0031 | LT | 0.00658 | |
| Bromide | - | mg/l | 1 | LT | 1 | LT | 1 | LT | 1 | LT |
| Cadmium - Total | 0.005 | mg/l | 0.0014 | LT | 0.005 | LT | 0.0014 | LT | 0.0011 | LT |
| Calcium - Total | 9 | mg/l | 426 | | 325 | | 363 | | 346 | |
| Chloride | 250 | mg/l | 38 | 4-5-14 | 36.9 | | 45 | | 42.8 | |
| Chromium - Total | 0.05 | mg/l | 0.0048 | LT | 0.005 | LT | 0.0048 | LT | 0.004 | LT |
| Conductivity | - | UMHO/CM | 2100 | 1 1 1 1 1 | 2320 | | 2280 | | 2305 | |
| Copper - Total | 0.2 | mg/l | 0.0019 | LT | 0.005 | LT | 0.00792 | - | 0.00428 | |
| EH- | | VOLTS | 73 | | 89 | | 104 | 1-4-1-4 | 115 | |
| F2 | 1,5 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.54 | |
| Hardness | - 2 | mg/l | 2514 | | 1676 | | 1833 | | 1615 | |
| Iron - Total | 0.3 | mg/l | 0.0142 | | 0.083 | | 0.0234 | | 0.0164 | |
| Lead - Total | 0.025 | mg/l | 0,0023 | LT | 0.006 | | 0.0023 | LT | 0.0015 | LT |
| Lithium - Total | | mg/l | 0.034 | LT | 0.294 | | 0.317 | | 0.206 | 1 |
| Magnesium - Total | - | mg/l | 353 | | 210 | | 225 | | 182 | |
| Manganese - Total | 0.3 | mg/l | 0.0384 | | 0.02 | LT | 0.0026 | LT | 0.0026 | LT |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | 0.0002 | LT | 0,0002 | LT | 0.0002 | LT |
| pH | 6.5 to 8.5 | SU | 7.1 | 14 | 7.1 | | 7.1 | | 7.1 | - |
| Potassium - Total | | mg/l | 20.7 | | 3.93 | | 4.09 | | 4.12 | |
| Selenium - Total | 0.01 | mg/l | 0.0034 | LT | 0.005 | LT | 0.0034 | LT | 0.0045 | LT |
| Silver - Total | 0.05 | mg/l | 0.0092 | LT | 0.01 | LT | 0.0092 | LT | 0.009 | LT |
| Sodium - Total | 20 | mg/l | 158 | 10.00 | 20.3 | | 26.1 | | 24.2 | |
| Strontium - Total | | mg/l | 7.75 | | 3.47 | | 3.01 | 1 | 2.87 | |
| Sulfate | 250 | mg/l | 940 | | 1040 | | 1160 | | 996 | |
| Total Dissolved Solids | 500 | mg/l | 1860 | 1 | 2280 | | 1900 | | 1980 | 110000 |
| Turbidity | 5 | NTU | 1.6 | April 100 | 6.8 | | 13 | | 2.1 | +1 |
| Zinc -Total | | mg/l | 0.0038 | LT | 0.01 | LĴ | 0.0038 | LT | 0.0045 | LT |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed,

^{- =} No Class GA guidance value or standard exists.

| | Class GA | H | Fel | 0-21 | Ap | r-21 | Au | g-21 | De | c-21 |
|------------------------|--|---------|----------------------|----------|--------|----------|---------|-------------|---------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 300 | | 260 | | 290 | 2. 27 2 2 3 | 256 | |
| Aluminum - Total | | mg/l | 0.033 | LT | 0.1 | LT | 0.033 | LT | 0.031 | LT |
| Ammonia | 2 | mg/l | 0.3 | | 0.1 | LT | 0.4 | | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | 0.0031 | LT | 0.005 | LT | 0,0031 | LT | 0.00253 | |
| Bromide | - | mg/l | 11.6 | | 8.65 | | 16 | | 1.54 | |
| Cadmium - Total | 0.005 | mg/l | 0.0014 | LT | 0.005 | LT | 0.0014 | LT | 0.0011 | LT |
| Calcium - Total | - 8 | mg/l | 652 | - | 579 | | 815 | | 232 | |
| Chloride | 250 | mg/l | 1060 | | 904 | | 1950 | N | 158 | |
| Chromium - Total | 0.05 | mg/l | 0.0048 | LT | 0,005 | LT | 0.0048 | LT | 0.004 | LT |
| Conductivity | - | UMHO/CM | 4855 | | 4300 | | 7055 | | 1615 | |
| Copper - Total | 0.2 | mg/l | 0.00403 | | 0.005 | LT | 0.00502 | | 0.00764 | |
| EH- | | VOLTS | -2 | 1.0 | 69 | | 51 | | 107 | |
| F2- | 1.5 | mg/l | 0.21 | | 0.3 | | 0.2 | LT | 0.72 | |
| Hardness | 2 | mg/l | 3182 | | 2726 | | 3884 | 1 1 | 883 | |
| Iron - Total | 0.3 | mg/l | 0.0089 | LT | 0.05 | LT | 0.0089 | LT | 0.012 | LT |
| Lead - Total | 0.025 | mg/l | 0.0023 | LT | 0.006 | | 0.0023 | LT | 0.0015 | LT |
| Lithium - Total | Terri | mg/l | 0.034 | LT | 0.05 | - LT | 0.034 | LT | 0.144 | |
| Magnesium - Total | - | mg/l | 377 | | 311 | | 449 | | 73.6 | |
| Manganese - Total | 0.3 | mg/l | 0.274 | | 0.976 | | 1.97 | 7 | 0.0123 | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| pH | 6.5 to 8.5 | SU | 6.7 | 1 - 7 - | 6.8 | | 6.6 | | 7.5 | |
| Potassium - Total | | mg/l | 7.87 | | 5.02 | | 9.44 | | 2.12 | |
| Selenium - Total | 0.01 | mg/l | 0.0034 | LT | 0.005 | LT | 0.0034 | LT | 0.0045 | LT |
| Silver - Total | 0.05 | mg/l | 0.0092 | LT | 0.01 | LT | 0.0092 | LT | 0.009 | LT |
| Sodium - Total | 20 | mg/l | 145 | 10000 | 118 | | 180 | > 1 | 23.3 | |
| Strontium - Total | | mg/l | 2.57 | | 1.76 | | 3.67 | 1 | 0.683 | |
| Sulfate | 250 | mg/l | 857 | - 5 | 763 | | 1320 | | 390 | |
| Total Dissolved Solids | 500 | mg/l | 3480 | | 3610 | | 5150 | | 1120 | 1 |
| Turbidity | 5 | NTU | 0.4 | CB | 0.4 | | 5.9 | | 0.4 | +1. |
| Zinc -Total | | mg/l | 0.0349 | | 0.036 | | 0.0421 | | 0.0045 | LT |

Notes:

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Jai | 1-22 | Ma | y-22 | Ju | 11-22 | 00 | t-22 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 510 | | 490 | 14 | 450 | | 450 | |
| Aluminum - Total | | mg/l | | T- 10 | 0.1 | LT | | | | |
| Ammonia | 2 | mg/l | | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.005 | LT | 0.005 | LT . | 0.005 | LT | 0.005 | LT |
| Bromide | | mg/l | | | 24 | LT | | 1 | | - |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 129 | | 209 | 4 | 119 | | 103 | |
| Chloride | 250 | mg/l | 52.5 | 7 10 | 44.3 | i i | 74.7 | 1 | 74.4 | |
| Chromium - Total | 0.05 | mg/l | | | 0.005 | LT | | | | |
| Conductivity | | UMHO/CM | 1695 | | 1775 | | 1680 | | 1510 | |
| Copper - Total | 0.2 | mg/l | | | 0.005 | | | | | |
| EH- | - | VOLTS | | | 51 | | | | | |
| F2 | 1.5 | mg/l | | | 0.2 | LT | | | | |
| Hardness | | mg/l | | | 1210 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.433 | | 0.421 | | 0.745 | | 0.557 | |
| Lead - Total | 0.025 | mg/I | | - 1 | 0.006 | | | | | |
| Lithium - Total | - | mg/l | | | 0.05 | LT | | | | |
| Magnesium -Total | | mg/l | 110 | | 167 | | 115 | | 84.6 | |
| Manganese - Total | 0.3 | mg/l | 0.16 | 2 - 1 | 0.084 | | 0.085 | | 0.074 | |
| Mercury - Total | 0.0007 | mg/l | | () | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | 7.2 | | 7.0 | 1 | 7.1 | | 7.2 | |
| Potassium - Total | | mg/l | 9.35 | 0 10 | 10.1 | | 10.7 | | 11.1 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | | 73.4 | | | | | |
| Strontium - Total | - 2 | mg/l | | | 5.69 | | | | | |
| Sulfate | 250 | mg/l | 462 | 1 | 412 | | 378 | | 303 | |
| Total Dissolved Solids | 500 | mg/l | 1310 | 1 | 1340 | | 1060 | | 970 | |
| Turbidity | 5 | NTU | 2.6 | | 6.7 | | 12.0 | | 5.2 | |
| Zinc - Total | 6-7-1 | mg/l | | 1 | 0.01 | LT | | | | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Jai | n-22 | Ma | y-22 | Ju | 11-22 | 00 | t-22 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwaler Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 88 | | 100 | 1 | 92 | | 68 | |
| Aluminum - Total | | mg/l | | | 0.1 | LT | - | | | |
| Ammonia | 2 | mg/l | | | | | 15.00 | | | |
| Arsenic - Total | 0.025 | mg/l | 0.009 | | 0.005 | | 0.005 | LT | 0.005 | LT |
| Bromide | - | mg/l | | | 162 | | | | | |
| Cadmium - Total | 0.005 | mg/i | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 1760 | | 3060 | 11. | 1670 | | 2210 | |
| Chloride | 250 | mg/l | 16400 | | 15600 | 1 | 15900 | | 18000 | - |
| Chromium - Total | 0.05 | mg/l | | | 0.005 | LT | | | | |
| Conductivity | | UMHO/CM | 41750 | | 39450 | h TAT | 41370 | | 43430 | |
| Copper - Total | 0.2 | mg/l | | 7 | 0.005 | LT | | | | |
| EH- | - | VOLTS | | | -13 | | | | | |
| F2 | 1.5 | mg/I | | | 0.71 | | | | | |
| Hardness | | mg/l | | | 1945 | | | | | |
| Iron - Total | 0.3 | mg/l | 4.67 | | 4.49 | | 4.52 | | 3.95 | |
| Lead - Total | 0.025 | mg/I | - | | 0.011 | | - | | 100 | |
| Lithium - Total | - | mg/l | | | 9.61 | | - | | | |
| Magnesium -Total | | mg/l | 355 | | 502 | | 414 | | 473 | |
| Manganese - Total | 0.3 | mg/l | 2.11 | | 2.1 | | 1.98 | | 1.88 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | 6.9 | | 6.9 | | 6.9 | | 7.0 | |
| Potassium - Total | - 4 | mg/l | 135 | 0 18 | 168 | | 171 | | 177 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | C - 1 | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | | 4750 | | | | | - |
| Strontium - Total | 3.00 | mg/l | | | 58.1 | | | | | |
| Sulfate | 250 | mg/l | 1160 | | 1220 | | 1320 | | 1270 | |
| Total Dissolved Solids | 500 | mg/l | 29100 | | 33000 | | 27100 | | 27500 | |
| Turbidity | 5 | NTU | 8.0 | | 1.1 | | 3.4 | | 2.1 | |
| Zinc - Total | - | mg/l | | 1 | 0.01 | LT | | | | 1 |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Jai | 1-22 | Ma | y-22 | Ju | 11-22 | 00 | t-22 |
|------------------------|--|---------|----------------------|----------|--------|-------------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 460 | 1 | 460 | | 510 | | 470 | |
| Aluminum - Total | | mg/l | | 2- 19 | 0.1 | LT | | | | |
| Ammonia | 2 | mg/l | | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.016 | | 0.007 | | 0.007 | | 0.011 | |
| Bromide | | mg/l | - | 1 | - 4 | LT | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 89.8 | 1 | 99.8 | 6 - 6006-11 | 93.7 | | 79.2 | |
| Chloride | 250 | mg/l | 67.8 | 7 | 104 | | 89.8 | | 56.6 | |
| Chromium - Total | 0.05 | mg/l | | | 0.005 | LT | - | | | |
| Conductivity | | UMHO/CM | 1550 | | 1590 | 100 | 1680 | | 1530 | |
| Copper - Total | 0.2 | mg/l | | | 0.005 | LT | | | | |
| EH- | - | VOLTS | | | -12 | | | | | |
| F2 | 1.5 | mg/I | | 1 | 0.2 | LT | | 1 | | |
| Hardness | | mg/l | | | 633 | | | | | |
| Iron - Total | 0.3 | mg/l | 1.45 | | 1,2 | | 0.979 | | 1.04 | |
| Lead - Total | 0.025 | mg/l | | - 1 | 0.007 | | | | | |
| Lithium - Total | | mg/l | | | 0.054 | | | | | |
| Magnesium -Total | | mg/l | 78.7 | | 93.3 | | 84.1 | | 72.8 | |
| Manganese - Total | 0.3 | mg/l | 0.093 | - 1 | 0.06 | | 0.056 | | 0.049 | |
| Mercury - Total | 0.0007 | mg/l | | 4 11 | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | 7.3 | | 7.3 | | 7.2 | | 7.4 | |
| Potassium - Total | - 4 | mg/l | 13.7 | 0- 10 | 15.3 | | 16.2 | 1 1 | 14.6 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | - | | | |
| Silver - Total | 0.05 | mg/l | | T 7 | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | 7 | 122 | | | | | |
| Strontium - Total | 5.5 | mg/l | | | 6.91 | | | | | |
| Sulfate | 250 | mg/l | 278 | | 269 | | 255 | | 298 | |
| Total Dissolved Solids | 500 | mg/l | 995 | | 1080 | | 1050 | | 1340 | |
| Turbidity | 5 | NTU | 48.0 | | 13.0 | | 25.0 | | 14.0 | |
| Zinc - Total | 4.0 | mg/l | 200 | | 0.01 | LT | -36 | 11 | | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Jai | n-22 | Ma | y-22 | Ju | 1-22 | 00 | t-22 |
|------------------------|--|---------|----------------------|----------|-------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | | | | - | | | 324 | |
| Aluminum - Total | | mg/l | | | | | | - 1 | | |
| Ammonia | 2 | mg/l | | | | | | 1 | 0,1 | LT |
| Arsenic - Total | 0.025 | mg/l | | | | | | - 1 | 0.005 | LT |
| Bramide | 7 | mg/l | | | | | | | | |
| Cadmium - Total | 0.005 | mg/l | | | | | | - 1 | 0.005 | LT |
| Calcium - Total | -0+ | mg/l | | | | | | 1 | 83.1 | |
| Chloride | 250 | mg/l | | | | | | - 1 | 37.6 | Y- Y- |
| Chromium - Total | 0.05 | mg/l | | | | | | 1 | | |
| Conductivity | | UMHO/CM | | | | | | 1 | 1075 | |
| Copper - Total | 0.2 | mg/l | | | | | | 1 | | - |
| EH | | VOLTS | | | | | | - 1 | | |
| F2 | 1.5 | mg/l | | | | | | | | |
| Hardness | - | mg/l | | | | | | - 1 | | |
| Iron - Total | 0.3 | mg/l | n | RY | | RY | n | RY | 0.05 | LT |
| Lead - Total | 0.025 | mg/l | D | 183 | | 181 | | | | |
| Lithium - Total | | mg/l | | | | | | | | |
| Magnesium -Total | | mg/l | | | | | | - 1 | 50.6 | |
| Manganese - Total | 0.3 | mg/l | | | | | | - 1 | 0.02 | LT |
| Mercury - Total | 0.0007 | mg/l | | | | | | 1 | | |
| pH | 6.5 to 8.5 | SU | | | | | | - 1 | 7.3 | |
| Potassium - Total | 2.7 | mg/l | | | | | | 1 | 6.05 | |
| Selenium - Total | 0.01 | mg/l | | | | | | 1 | | |
| Silver - Total | 0.05 | mg/l | | | | | | ſ | | |
| Sodium - Total | 20 | mg/l | | | | | | 1 | | |
| Strontium - Total | 220 | mg/l | | | | | | | | |
| Sulfate | 250 | mg/l | | | | | | i | 198 | |
| Total Dissolved Solids | 500 | mg/l | | | | | | | 740 | |
| Turbidity | 5 | NTU | | | | | | - 1 | 0,3 | |
| Zinc - Total | 047 | mg/l | | | | | | | | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Jar | 1-22 | Ma | y-22 | Ju | 11-22 | 00 | t-22 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwaler Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | | | 450 | 11 | 260 | | 310 | |
| Aluminum - Total | | mg/l | | - 1 | 0.729 | 1 | | | | |
| Ammonia | 2 | mg/l | | - 1 | 9 | | 6.1 | | 32.9 | |
| Arsenic - Total | 0.025 | mg/l | | | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Bromide | | mg/l | | - 1 | 7.67 | 1 7 7 | 5.96 | 1 | 5.52 | |
| Cadmium - Total | 0.005 | mg/i | | - 1 | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | | | 706 | 10.00 | 472 | | 364 | |
| Chloride | 250 | mg/l | | - 1 | 804 | | 765 | | 563 | - |
| Chromium - Total | 0.05 | mg/l | | 1 | 0.011 | | | | | |
| Conductivity | | UMHO/CM | | i | 6640 | | 6075 | | 4850 | |
| Copper - Total | 0.2 | mg/l | | - 1 | 0.005 | LT | | | | |
| EH- | - | VOLTS | | | -37 | | | | | |
| F2 | 1.5 | mg/l | | | 2.62 | | | | | |
| Hardness | -4 | mg/l | | - 1 | 5041 | | | | | |
| Iron - Total | 0.3 | mg/l | - | nic I | 41.1 | | 2.92 | | 0.763 | |
| Lead - Total | 0.025 | mg/l | U | RY | 0.008 | | | | | |
| Lithium - Total | - GA | mg/l | | | 0.05 | LT | | | | |
| Magnesium -Total | | mg/l | | 1 | 796 | | 298 | | 274 | 1 |
| Manganese - Total | 0.3 | mg/l | | - 1 | 4.94 | | 3.57 | | 2.41 | |
| Mercury - Total | 0.0007 | mg/l | | - 3 | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | | - 1 | 6.5 | | 6.4 | | 7.6 | |
| Potassium - Total | - 9 | mg/l | | i | 32.3 | | 29.7 | | 46 | |
| Selenium - Total | 0.01 | mg/l | | 1 | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | - 1 | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | - 1 | 606 | | 482 | | 438 | |
| Strontium - Total | | mg/l | | - 1 | 1.18 | | | | 1 | |
| Sulfate | 250 | mg/l | | - 1 | 3650 | | 2660 | | 1740 | |
| Total Dissolved Solids | 500 | mg/l | | | 7340 | | 5200 | | 3670 | |
| Turbidity | 5 | NTU | | - 1 | 16.0 | | 3.3 | | 41.0 | |
| Zinc - Total | 4.0 | mg/l | | | 0.017 | | | - | | |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

| Analyse | Class GA | | Jar | 1-22 | Ma | y-22 | Ju | 11-22 | Oct-22 | |
|------------------------|---|---------|----------------------|----------|--------|----------|-------|----------|--------|----------|
| Analyte | Groundwaler Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | | | 48 | | 92 | | 130 | |
| Aluminum - Total | | mg/l | | - 1 | 0.1 | LT | | | | |
| Ammonia | 2 | mg/l | | | 0.1 | LT | 0.1 | LŤ | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | | - 1 | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Bromide | | mg/l | | - 1 | - 24 | LT | - | LT | - 6 | LT |
| Cadmium - Total | 0.005 | mg/l | | 1 | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | 10 to 20 to 10 to | mg/l | | - 1 | 44.8 | 1.35 | 47.2 | | 66,5 | - 65 4 |
| Chloride | 250 | mg/l | | - 1 | 6.69 | | 7.11 | | 2.98 | |
| Chromium - Total | 0.05 | mg/l | | - 1 | 0.005 | LT | | | | |
| Conductivity | | UMHO/CM | | 1 | 520 | | 520 | | 575 | |
| Copper - Total | 0.2 | mg/l | | - 1 | 0.005 | LT | | | | |
| EH- | - | VOLTS | | | 64 | | | | | |
| F2 | 1.5 | mg/l | | 1 | 0.31 | | | | | |
| Hardness | | mg/l | | - 1 | 242 | | | | | |
| Iron - Total | 0,3 | mg/l | - | mir. | 0.096 | | 0.05 | LT | 0.05 | LT |
| Lead - Total | 0.025 | mg/l | Di | RY | 0.005 | LT | | | | |
| Lithium - Total | | mg/l | | - 1 | 0.058 | | | | | |
| Magnesium -Total | | mg/l | | - 1 | 31.7 | | 32.5 | | 25.9 | |
| Manganese - Total | 0.3 | mg/l | | | 0.02 | LT | 0.02 | LT | 0.02 | LT |
| Mercury - Total | 0.0007 | mg/l | | - 1 | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | | - 1 | 8.5 | | 8.5 | | 8.2 | |
| Potassium - Total | - 4 | mg/l | | i | 2.78 | | 3.24 | 1 1 | 2.92 | |
| Selenium - Total | 0.01 | mg/l | | - 1 | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | - 1 | 0.01 | LT | | | | - |
| Sodium - Total | 20 | mg/l | | 1 | 7.43 | | 6.88 | | 8 | |
| Strontium - Total | 3.5 | mg/l | | | 0.323 | | 2.41 | | | |
| Sulfate | 250 | mg/l | | - 1 | 151 | | 163 | | 165 | |
| Total Dissolved Solids | 500 | mg/l | | 1 | 440 | | 265 | | 525 | |
| Turbidity | 5 | NTU | | 1 | 0.9 | | 1.4 | | 0.7 | |
| Zinc - Total | 44.0 | mg/l | | | 0.01 | LT | | / | | |

Notes:

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Jar | 1-22 | Ma | y-22 | Ju | 11-22 | Oct-22 | |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|--------|----------|
| Analyte | Groundwaler Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | | | 28 | 1 | 80 | | 52 | |
| Aluminum - Total | | mg/l | | - 1 | 0.1 | LT | | | | |
| Ammonia | 2 | mg/l | | 1 | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | | - 1 | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Bromide | - | mg/l | | - 1 | - 1 | LT | 1 | LT | 1 | LT |
| Cadmium - Total | 0.005 | mg/i | | 1 | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | | 1 | 29.2 | 1 | 42 | | 53,8 | |
| Chloride | 250 | mg/l | | - 1 | 2 | LT | 5.33 | | 2.14 | |
| Chromium - Total | 0.05 | mg/l | | 1 | 0.005 | LT | | | | |
| Conductivity | - 4 | UMHO/CM | | 1 | 375 | | 460 | | 485 | |
| Copper - Total | 0.2 | mg/l | | - 1 | 0.005 | LT | | | | |
| EH- | - | VOLTS | | - 1 | 24 | | | | | |
| F2 | 1.5 | mg/l | | | 0.2 | LT | | | | |
| Hardness | -4 | mg/l | | - 1 | 181 | 7 | | | | |
| Iron - Total | 0.3 | mg/l | | RY | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Lead - Total | 0.025 | mg/l | U | 100 | 0.005 | LT | | | | |
| Lithium - Total | | mg/l | | | 0.05 | LT | | | | |
| Magnesium -Total | | mg/l | | 1 | 26.3 | | 27 | | 23.4 | |
| Manganese - Total | 0.3 | mg/l | | 1 | 0.02 | LT | 0.02 | LT | 0.02 | LT |
| Mercury - Total | 0.0007 | mg/l | | i | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | | - 1 | 9.6 | | 8.4 | | 8.4 | |
| Potassium - Total | - 9 | mg/l | | - 1 | 0.551 | | 4.54 | 1 1 | 2.7 | |
| Selenium - Total | 0.01 | mg/l | | 1 | 0.005 | LT | + | | | |
| Silver - Total | 0.05 | mg/l | | - 1 | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | - 1 | 4.78 | | 4.82 | | 5.36 | |
| Strontium - Total | -3 | mg/l | | - 1 | 0.162 | | | | | |
| Sulfate | 250 | mg/l | | - 1 | 122 | | 161 | | 144 | |
| Total Dissolved Solids | 500 | mg/l | | 1 | 290 | | 260 | | 370 | |
| Turbidity | 5 | NTU | | 1 | 1.7 | | 2.0 | | 0.6 | |
| Zinc - Total | 1.00 | mg/l | | | 0.01 | LT | | | | |

Notes:

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Jar | Jan-22 | | /-22 | Ju | 1-22 | Oc | t-22 |
|------------------------|--|---------|----------------------|----------|-------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | _ | mg/l | | | | | | | | |
| Aluminum - Total | - | mg/l | | | | | | | | |
| Ammonia | 2 | mg/l | | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | | | | | | | | |
| Bromide | | mg/l | | | | | | | | |
| Cadmium - Total | 0.005 | mg/l | | | | | | | | |
| Calcium - Total | | mg/l | | | | | | | | |
| Chloride | 250 | mg/l | | | | | | | | |
| Chromium - Total | 0.05 | mg/l | | | | | | | | |
| Conductivity | | UMHO/CM | | | | | | | | |
| Copper - Total | 0.2 | mg/l | | | | | | | | |
| EH | _ | VOLTS | | | | | | | | |
| F2 | 1.5 | mg/l | | | | | | | | |
| Hardness | | mg/l | | | | | | | | |
| Iron - Total | 0.3 | mg/l | | RY | | RY | ا ا | RY | _ | RY |
| Lead - Total | 0.025 | mg/l | וט | K1 | יט | XI. | ا ا | KI | ا ا | KI |
| Lithium - Total | | mg/l | | | | | | | | |
| Magnesium -Total | | mg/l | | | | | | | | |
| Manganese - Total | 0.3 | mg/l | | | | | | | | |
| Mercury - Total | 0.0007 | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | | | | | | | | |
| Potassium - Total | | mg/l | | | | | | | | |
| Selenium - Total | 0.01 | mg/l | | | | | | | | |
| Silver - Total | 0.05 | mg/l | | | | | | | | |
| Sodium - Total | 20 | mg/l | | | | | | | | |
| Strontium - Total | | mg/l | | | | | | | | |
| Sulfate | 250 | mg/l | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | | | | | I | | | |
| Turbidity | 5 | NTU | | | | | | | | |
| Zinc - Total | | mg/l | | | | | | | | |

Notes:

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

 $^{^{\}rm (2)}$ A blank cell in the "Value" column indicates the analysis was not performed.

^{-- =} No Class GA guidance value or standard exists.

| | Class GA | | Jar | 1-22 | Ma | y-22 | Ju | 11-22 | 00 | t-22 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwaler Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | | | 42 | 1 | 28 | | 120 | |
| Aluminum - Total | | mg/l | | | 0.1 | LT | | | | |
| Ammonia | 2 | mg/l | | - 1 | 0.1 | LT | 0.1 | LŤ | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | | - 1 | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Bromide | | mg/l | | - 1 | 1 | LT | 1 | LT | 4 | LT |
| Cadmium - Total | 0.005 | mg/i | | - 1 | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | | 1 | 207 | 1 | 156 | 11-1-2 | 271 | |
| Chloride | 250 | mg/l | | - 1 | 59.7 | J | 81.1 | | 53.4 | |
| Chromium - Total | 0.05 | mg/l | | - 1 | 0.005 | LT | | | | |
| Conductivity | | UMHO/CM | | 1 | 1480 | | 1565 | | 1760 | |
| Copper - Total | 0.2 | mg/l | | - 1 | 0.005 | LT | | | | |
| EH- | - | VOLTS | | | 60 | | | | | |
| F2 | 1.5 | mg/l | | 1 | 0.39 | | | | | |
| Hardness | | mg/l | | - 1 | 841 | | | | | |
| Iron - Total | 0.3 | mg/l | - | mir. | 0.207 | | 0.05 | LT | 0.05 | LT |
| Lead - Total | 0.025 | mg/l | U | RY | 0.005 | LT | | | | |
| Lithium - Total | | mg/l | | | 0.39 | | | | | |
| Magnesium -Total | | mg/l | | - 1 | 78.8 | | 67.1 | | 70.1 | |
| Manganese - Total | 0.3 | mg/l | | - 1 | 0.04 | | 0.02 | LT | 0.02 | LT |
| Mercury - Total | 0.0007 | mg/l | | i i | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | | - 1 | 8.6 | - | 9.3 | | B.1 | |
| Potassium - Total | 9 | mg/l | | 1 | 5.96 | | 6.95 | | 5.96 | |
| Selenium - Total | 0.01 | mg/l | | 1 | 0.005 | LT | | | - | |
| Silver - Total | 0.05 | mg/l | | - 1 | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | 1 | 47.1 | | 54.8 | | 42.5 | |
| Strontium - Total | -3 | mg/l | | - 9 | 0.912 | | | | | |
| Sulfate | 250 | mg/l | | - 1 | 718 | | 804 | | 835 | |
| Total Dissolved Solids | 500 | mg/l | | - 1 | 1280 | | 1220 | | 1490 | |
| Turbidity | 5 | NTU | | - 1 | 1.4 | | 0.8 | | 0.4 | |
| Zinc - Total | 4.00 | mg/l | | | 0.01 | LT | | 1 | | |

Notes:

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

| | Class GA | | Jar | 1-22 | Ma | y-22 | Ju | 1-22 | 00 | t-22 |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwaler Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | | | 32 | 1 | 30 | | 60 | |
| Aluminum - Total | | mg/l | | - 1 | 0.1 | LT | | | | |
| Ammonia | 2 | mg/L | | | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | | - 11 | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Bromide | | mg/l | | - 1 | 1 | LT | 5.97 | 10 | 1.58 | |
| Cadmium - Total | 0.005 | mg/i | | - 1 | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | - Ca. | mg/l | | 1 | 197 | 1.132.11 | 240 | | 121 | |
| Chloride | 250 | mg/l | | - 1 | 89.2 | | 114 | | 56.5 | |
| Chromium - Total | 0.05 | mg/l | | - 1 | 0.005 | LT | | | | |
| Conductivity | | UMHO/CM | | - 1 | 1565 | | 1710 | | 1255 | |
| Copper - Total | 0.2 | mg/l | | - 1 | 0.005 | LT | | | | |
| EH- | - | VOLTS | | | 61 | | | | | |
| F2 | 1.5 | mg/l | | - 1 | 0.65 | | | | | |
| Hardness | | mg/l | | - 1 | 744 | | | | | |
| Iron - Total | 0.3 | mg/l | - | nic I | 0.354 | | 0.207 | | 0.332 | |
| Lead - Total | 0.025 | mg/I | D | RY | 0.005 | LT | | | | |
| Lithium - Total | | mg/l | | | 0.05 | LT | | | | |
| Magnesium -Total | | mg/l | | 1 | 56 | | 63.1 | | 46.1 | |
| Manganese - Total | 0.3 | mg/l | | | 0.049 | | 0.02 | LT | 0.02 | LT |
| Mercury - Total | 0.0007 | mg/l | | - 1 | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | | - 1 | 8.1 | | 8.5 | | 8.1 | |
| Potassium - Total | 1 9 | mg/l | | i | 8.21 | | 7.61 | 1 | 5.09 | |
| Selenium - Total | 0.01 | mg/l | | 1 | 0.011 | | | | | |
| Silver - Total | 0.05 | mg/l | | - 1 | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | | 61.3 | | 67.6 | | 39.5 | |
| Strontium - Total | 4.5 | mg/l | | - 9 | 0.682 | | | | 1117 | |
| Sulfate | 250 | mg/l | | - 1 | 638 | | 857 | | 530 | |
| Total Dissolved Solids | 500 | mg/l | | 1 | 1210 | | 1390 | | 955 | |
| Turbidity | 5 | NTU | | - 1 | 5.1 | | 2 | | 1.1 | |
| Zinc - Total | 4.0 | mg/l | | | 0.01 | LT | | 7 | | |

Notes:

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| | Class GA | | Jar | Jan-22 | | /-22 | Ju | I-22 | Oc | t-22 |
|------------------------|--|---------|----------------------|------------|-------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | | | | | | | | |
| Aluminum - Total | | mg/l | | | | | | | | |
| Ammonia | 2 | mg/l | | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | | | | | | | | |
| Bromide | | mg/l | | | | | | | | |
| Cadmium - Total | 0.005 | mg/l | | | | | | | | |
| Calcium - Total | - | mg/l | | | | | | | | |
| Chloride | 250 | mg/l | | | | | | | | |
| Chromium - Total | 0.05 | mg/l | | | | | | | | |
| Conductivity | - | UMHO/CM | | | | | | | | |
| Copper - Total | 0.2 | mg/l | | | | | | | | |
| EH | - | VOLTS | | | | | | | | |
| F2 | 1.5 | mg/l | | | | | | | | |
| Hardness | - | mg/l | | | | | | | | |
| Iron - Total | 0.3 | mg/l | DI DI | RY | DF | ov | l 5 | RY | | RY |
| Lead - Total | 0.025 | mg/l | וט | X 1 | וט | X I | ا ا | Ki | | N |
| Lithium - Total | | mg/l | | | | | | | | |
| Magnesium -Total | | mg/l | | | | | | | | |
| Manganese - Total | 0.3 | mg/l | | | | | | | | |
| Mercury - Total | 0.0007 | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | | | | | | | | |
| Potassium - Total | | mg/l | | | | | | | | |
| Selenium - Total | 0.01 | mg/l | | | | | | | | |
| Silver - Total | 0.05 | mg/l | | | | | | | | |
| Sodium - Total | 20 | mg/l | | | | | | | | |
| Strontium - Total | - | mg/l | | | | | | | | |
| Sulfate | 250 | mg/l | | | | | I | | | |
| Total Dissolved Solids | 500 | mg/l | | | | | | | | |
| Turbidity | 5 | NTU | | | | | | | | |
| Zinc - Total | - | mg/l | | | | | | | | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

 $^{^{\}rm (2)}$ A blank cell in the "Value" column indicates the analysis was not performed.

^{-- =} No Class GA guidance value or standard exists.

| | Class GA | | Jar | Jan-22 | | /-22 | Ju | 1-22 | Oc | t-22 |
|------------------------|--|---------|----------------------|----------|-------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | | | | | | | | |
| Aluminum - Total | | mg/l | | | | | | | | |
| Ammonia | 2 | mg/l | | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | | | | | | | | |
| Bromide | | mg/l | | | | | | | | |
| Cadmium - Total | 0.005 | mg/l | | | | | | | | |
| Calcium - Total | - | mg/l | | | | | | | | |
| Chloride | 250 | mg/l | | | | | | | | |
| Chromium - Total | 0.05 | mg/l | | | | | | | | |
| Conductivity | - | UMHO/CM | | | | | | | | |
| Copper - Total | 0.2 | mg/l | | | | | | | | |
| EH | 1 | VOLTS | | | | | | | | |
| F2 | 1.5 | mg/l | | | | | | | | |
| Hardness | | mg/l | | | | | | | | |
| Iron - Total | 0.3 | mg/l | DI. | RY | | RY | l 5 | RY | l n | RY |
| Lead - Total | 0.025 | mg/l | וט | XI. | יט | X I | ا ا | Ki | ا ا | N I |
| Lithium - Total | | mg/l | | | | | | | | |
| Magnesium -Total | | mg/l | | | | | | | | |
| Manganese - Total | 0.3 | mg/l | | | | | | | | |
| Mercury - Total | 0.0007 | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | | | | | | | | |
| Potassium - Total | | mg/l | | | | | | | | |
| Selenium - Total | 0.01 | mg/l | | | | | | | | |
| Silver - Total | 0.05 | mg/l | | | | | | | | |
| Sodium - Total | 20 | mg/l | | | | | | | | |
| Strontium - Total | | mg/l | | | | | | | | |
| Sulfate | 250 | mg/l | | | | | I | | | |
| Total Dissolved Solids | 500 | mg/l | | | | | | | | |
| Turbidity | 5 | NTU | | | | | | | | |
| Zinc - Total | - | mg/l | | | | | | | | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

 $^{^{\}rm (2)}$ A blank cell in the "Value" column indicates the analysis was not performed.

^{-- =} No Class GA guidance value or standard exists.

| | Class GA | | Jar | Jan-22 | | /-22 | Ju | I-22 | Oc | t-22 |
|------------------------|--|---------|----------------------|----------|-------|----------|------------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | | | | | | | | |
| Aluminum - Total | | mg/l | | | | | | | | |
| Ammonia | 2 | mg/l | | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | | | | | | | | |
| Bromide | | mg/l | | | | | | | | |
| Cadmium - Total | 0.005 | mg/l | | | | | | | | |
| Calcium - Total | - | mg/l | | | | | | | | |
| Chloride | 250 | mg/l | | | | | | | | |
| Chromium - Total | 0.05 | mg/l | | | | | | | | |
| Conductivity | - | UMHO/CM | | | | | | | | |
| Copper - Total | 0.2 | mg/l | | | | | | | | |
| EH | - | VOLTS | | | | | | | | |
| F2 | 1.5 | mg/l | | | | | | | | |
| Hardness | - | mg/l | | | | | | | | |
| Iron - Total | 0.3 | mg/l | DI. | RY | DF | ov | <u>ا</u> ا | RY | ٦ ا | RY |
| Lead - Total | 0.025 | mg/l | וט | XI. | וט | X I | ا ا | Ki | " | N . |
| Lithium - Total | | mg/l | | | | | | | | |
| Magnesium -Total | | mg/l | | | | | | | | |
| Manganese - Total | 0.3 | mg/l | | | | | | | | |
| Mercury - Total | 0.0007 | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | | | | | | | | |
| Potassium - Total | | mg/l | | | | | | | | |
| Selenium - Total | 0.01 | mg/l | | | | | | | | |
| Silver - Total | 0.05 | mg/l | | | | | | | | |
| Sodium - Total | 20 | mg/l | | | | | | | | |
| Strontium - Total | - | mg/l | | | | | | | | |
| Sulfate | 250 | mg/l | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | | | | | | | | |
| Turbidity | 5 | NTU | | | | | | | | |
| Zinc - Total | _ | mg/l | | | | | | | | |

Notes

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

 $^{^{\}rm (2)}$ A blank cell in the "Value" column indicates the analysis was not performed.

^{-- =} No Class GA guidance value or standard exists.

Appendix B

SWDA I Analytical Results

| | Class GA | | Jar | n-22 | Ma | y-22 | Ju | 1-22 | Oct-22 | |
|------------------------|--|---------|----------------------|----------|--------|----------|-------|----------|--------|----------|
| Analyte | Groundwaler Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | | | 24 | | 30 | | 44 | |
| Aluminum - Total | | mg/l | | - 1 | 0.1 | LT | | | | |
| Ammonia | 2 | mg/l | | | 0.1 | LT | 0.1 | LŤ | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | | - 1 | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Bromide | | mg/l | | - 1 | 11345 | LT | 6.07 | | - 1 | ET- |
| Cadmium - Total | 0.005 | mg/l | | 1 | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | | - 1 | 180 | 1.55 | 194 | | 246 | |
| Chloride | 250 | mg/l | | - 1 | 60.3 | | 115 | | 53.9 | |
| Chromium - Total | 0.05 | mg/l | | 1 | 0.005 | LT | | | - | |
| Conductivity | | UMHO/CM | | 1 | 1490 | | 1715 | | 1755 | |
| Copper - Total | 0.2 | mg/l | | - 1 | 0.005 | LT | | | | |
| EH- | - | VOLTS | | | 54 | | | | | |
| F2 | | mg/l | | 1 | 0.32 | | | | | |
| Hardness | 74 | mg/l | | 1 | 735 | | - | | | |
| Iron - Total | 0.3 | mg/l | - | mir. | 0.2 | | 0.207 | | 0.05 | LT |
| Lead - Total | 0.025 | mg/l | D | RY | 0.005 | LT | - | | | |
| Lithium - Total | | mg/l | | | 0.386 | 1 2 1 | | | | |
| Magnesium -Total | | mg/l | | - 1 | 69.3 | | 62.5 | | 72.7 | |
| Manganese - Total | 0.3 | mg/l | | 1 | 0.039 | | 0.02 | LT | 0.02 | - LT |
| Mercury - Total | 0.0007 | mg/l | | - 1 | 0.0002 | LT | | | | |
| pH | 6.5 to 8.5 | SU | | - 1 | 8.6 | | 8.5 | | 8.1 | |
| Potassium - Total | - | mg/l | | 1 | 5.83 | -1 | 7.46 | | 6.31 | |
| Selenium - Total | 0.01 | mg/l | | i | 0.005 | LT | - | | | |
| Silver - Total | 0.05 | mg/l | | - 1 | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | 1 | 42.6 | | 66.9 | | 42.7 | |
| Strontium - Total | -5- | mg/l | | - 1 | 0.89 | | | | | |
| Sulfate | 250 | mg/l | | - 1 | 720 | | 847 | | 829 | |
| Total Dissolved Solids | 500 | mg/l | | 1 | 1300 | | 1360 | | 1440 | |
| Turbidity | 5 | NTU | | - 1 | 1.4 | | 1.5 | | 0.5 | |
| Zinc - Total | 4.0 | mg/l | | - 1 | 0.01 | LT | | 7 | | |

Notes:

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

^{- =} No Class GA guidance value or standard exists.

| W 5W15 | Class GA | 1 2000 | Jan | n-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|---------|----------|---------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - 14 | mg/l | 22 | | 20 | | 24 | | 24 | |
| Aluminum - Total | - | mg/l | 0.2 | LT | 0.2 | LT | 0,2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 18.9 | | 18.9 | | 20.1 | | 20.7 | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | 0.01 | LT | 0.00346 | J | 0.00433 | J |
| Boron - Total | 1 | mg/l | 2.33 | | 2.16 | | 2.37 | | 2.15 | |
| Bromide | | mg/l | 333 | | 306 | | 306 | | 332 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 5410 | | 6240 | | 6000 | | 6140 | |
| Chloride | 250 | mg/l | 30900 | | 28600 | | 29600 | | 29200 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | - | UMHO/CM | 67690 | | 67920 | | 65810 | | 67400 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0,02500 | LT | 0.025 | LT |
| Eh | 1=1 | VOLTS | | | 21 | | 1000 | | | |
| F2 | 1.5 | mg/l | 0.5 | LT | 0.5 | LT | 0.50 | LT | 0.5 | LT |
| Hardness | - | mg/l | 1000 | | 19620 | | 15.75 | | 1.5 | |
| fron - Total | 0.3 | mg/l | 5.52 | | 5.1 | | 5.85 | | 6.13 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | - | mg/l | 16.3 | | 16.8 | | 16 | | 11.4 | |
| Magnesium - Total | | mq/l | 919 | - | 981 | | 909 | | 871 | |
| Manganese - Total | 0.3 | mg/l | 3.96 | | 3.92 | | 4.14 | | 4.27 | |
| Mercury - Total | 0.0007 | mq/l | | | 0.0002 | LT | | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 6.8 | | 6.8 | | 6.7 | | 6.8 | |
| Potassium - Total | | mg/l | 247 | | 292 | J | 257.00 | J | 244 | J |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 10500 | | 10300 | | 10600 | | 8450 | |
| Strontium - Total | 9 | mg/l | 113 | | 124 | | 122 | | 120 | |
| Sulfate | 250 | mg/l | 1390 | | 1360 | | 1420 | | 1320 | |
| Temperature | | Deg. C | | | 11 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 48000 | | 50500 | | 49600 | | 46100 | |
| Turbidity | 5 | NTU | 3.9 | | 4.2 | | 3.9 | | 4.6 | |
| Vanadium - Total | - 81 | mg/l | | | | | | | | |
| Zinc - Total | -3-1 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

| THE TOWNS THE | Class GA | (are ! | Jan | 1-21 | Ap | r-21 | Ju | I-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|-------|----------|---------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - 4 | mg/l | 15 | | 20 | | 18 | | 190 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 17.2 | | 17.5 | | 17.3 | | 18.6 | 0.000 |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.00686 | J |
| Boron - Total | 1 | mg/l | 2.25 | - | 1.94 | | 2.11 | | 2.07 | |
| Bromide | - | mg/l | 311 | | 291 | | 335 | | 296 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | - | mg/l | 5030 | | 5210 | | 5000 | | 5270 | |
| Chloride | 250 | mg/l | 28900 | | 27100 | | 30400 | 1 | 26800 | 1 - 3 1 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 200 | UMHO/CM | 65100 | | 64640 | | 64120 | | 61750 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | Trans. | | -59 | | | - 30 | | |
| F2 | 1.5 | mg/l | 0.5 | LT | 0.5 | LT | 0.5 | LT | 0.5 | LT |
| Hardness | 1200 | mg/l | RYSH | | 16170 | | 100 | | | |
| fron - Total | 0.3 | mg/l | 6.64 | | 6.27 | | 6.64 | | 6.4 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | - | mg/l | 14.4 | | 14.4 | | 13.1 | | 11.1 | |
| Magnesium - Total | | mg/l | 756 | | 767 | | 724 | | 714 | |
| Manganese - Total | 0.3 | mg/l | 3.23 | | 3.07 | | 3.2 | | 3.14 | |
| Mercury - Total | 0.0007 | mq/l | 10000 | | 0.0002 | LT | | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.3 | | 7.1 | | 7.2 | | 7.1 | |
| Potassium - Total | | mg/l | 232 | LT | 239 | LT | 217 | LT | 230 | LT |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT. | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 9380 | | 10100 | | 7730 | | 8230 | |
| Strontium - Total | 9 | mg/l | 112 | | 111 | | 108 | | 112 | |
| Sulfate | 250 | mg/l | 1210 | | 1210 | | 1130 | | 1150 | |
| Temperature | | Deg. C | | | 12 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 46900 | | 48100 | | 45100 | | 38900 | |
| Turbidity | 5 | NTU | 3.4 | | 4.7 | | 3.1 | | 8.8 | |
| Vanadium - Total | F - 3 - 1 | mg/l | | | | | | | | 100 |
| Zinc - Total | | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

| - P. S.A.S. | Class GA | 2000 | Jan | 1-21 | Ap | r-21 | Ju | I-21 | Oc | 1-21 |
|------------------------|-----------------------------|---------|----------------------|----------|---------|----------|---------|----------|--------|-----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/L | 16 | | 20 | | 26 | | 24 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 10 | | 10.4 | | 10 | | 10.7 | |
| Arsenic - Total | 0.025 | mg/l | 0.00861 | J | 0.00337 | J | 0.00905 | J | 0.0147 | |
| Boron - Total | 1 | mg/l | 2.77 | | 2.65 | | 2.89 | | 2.6 | |
| Bromide | - | mg/l | 123 | | 117 | | 71.1 | | 92.1 | |
| Cadmium - Total | 0.005 | mg/t | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | - | mg/l | 1870 | | 2160 | | 1850 | | 2010 | |
| Chloride | 250 | mg/l | 11300 | | 10600 | - | 6300 | | 7830 | 1 . 3 . 1 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | | UMHO/CM | 28960 | | 29700 | | 28350 | | 29560 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 12/11 | VOLTS | | | -54 | | | | | |
| F2 | 1.5 | mg/l | 0.5 | LT | 0.5 | LT | 0.2 | LT | 0.36 | |
| Hardness | 120 | mg/l | 100 Mg. | | 6693 | | | | | |
| Iron - Total | 0.3 | mg/l | 2.9 | | 3.19 | | 2.44 | | 2.91 | |
| Lead - Total | 0.025 | rng/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | - | mg/l | 7.07 | | 8.62 | | 7.16 | | 7.07 | |
| Magnesium - Total | | mg/l | 299 | J | 317 | J | 88.7 | J | 93.1 | J |
| Manganese - Total | 0.3 | mg/l | 1.55 | | 1.64 | | 1.55 | 1 | 1.6 | 1 |
| Mercury - Total | 0.0007 | mg/l | | - | 0.0002 | LT | 100 | - | | |
| Molybdenum - Total | _ | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.6 | | 7.5 | | 7.6 | | 7.5 | |
| Potassium - Total | | mg/l | 115 | 3 | 134 | J | 108 | J | 125 | J |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | 1 2 2 1 | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 4020 | | 4090 | | 3350 | | 4150 | |
| Strontium - Total | 9 | mg/l | 31 | | 34.4 | | 32.3 | | 33.6 | |
| Sulfate | 250 | mg/l | 1820 | | 1740 | | 1610 | | 1540 | |
| Temperature | 12 | Deg. C | | | 12 | | | | - | |
| Total Dissolved Solids | 500 | mg/l | 20400 | - 3 | 23200 | | 13600 | | 13000 | |
| Turbidity | 5 | NTU | 0.7 | | 0.6 | | 4.0 | | 1.1 | |
| Vanadium - Total | - S | mg/l | | 0.00 | | | | | | 100 |
| Zinc - Total | | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

| - W 5 W 1 5 W | Class GA | 10014 | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|-----------|-------|----------------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - 14 | mg/l | 250 | | _ | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | | | | | | |
| Ammonia | 2 | mg/l | 2 | | | - 1 | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.0113 | | | | | | | |
| Boron - Total | 1 | mg/l | 0.881 | | | - 1 | | | | |
| Bromide | | mg/l | 25 | LT | | - 1 | | | | |
| Cadmium - Total | 0.005 | mg/t | 0.005 | LT | | - 1 | | | | |
| Calcium - Total | | mg/l | 500 | LT | | - 1 | | | | |
| Chloride | 250 | mg/l | 1720 | | | - 1 | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | - 1 | | | | |
| Conductivity | 40.0 | UMHO/CM | 6540 | | | - 1 | | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | | | | | | |
| Eh | 1-2 | VOLTS | 26 | | | - 1 | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | | | | | | |
| Hardness | - | | R | | | | | | | |
| Iron - Total | 0.3 | mg/l | 2.62 | | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Alex C | carrier . | Mail | and the second | KIALDS | - Salara |
| Lithium - Total | - | mg/l | 0.695 | | NOT S | ampled | NOI S | ampled | NOT 3 | ampled |
| Magnesium - Total | | mg/l | 117 | | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.212 | | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | - 1 | | | | |
| Molybdenum - Total | - | mg/l | 0.05 | LT | | - 1 | | | | |
| pH | 6.5 to 8.5 | SU | 7.1 | | | | | | | |
| Potassium - Total | | mg/l | 58.2 | | | | | | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | | - 1 | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 652 | | | | | | | |
| Strontium - Total | - | mg/l | 14 | | | | | | | |
| Sulfate | 250 | mg/l | 262 | | | | | | | |
| Temperature | - | Deg. C. | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 4690 | | | | | | | |
| Turbidity | 5 | NTU | 1.1 | | | - 1 | | | | |
| Vanadium - Total | | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | | | | | | |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

| - AA38 | Class GA | Lava | Jan | 1-21 | Ap | r-21 | Ju | 11-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|-------|-------------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - 14 | mg/l | 130 | | | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | | | | | | |
| Ammonia | 2 | mg/l | 2.2 | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.0152 | | | | | | | |
| Boron - Total | 1 | mg/l | 3.3 | | | | | | | |
| Bromide | | mg/l | 9,34 | | | | | | | |
| Cadmium - Total | 0.005 | mg/f | 0.005 | LT | | | | | | |
| Calcium - Total | | mg/l | 122 | | | | | | | |
| Chloride | 250 | mg/l | 832 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | 40.0 | UMHO/CM | 4015 | | | | | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT . | | | | | | |
| Eh | 1-2 | VOLTS | -6 | | | | | | | |
| F2 | 1.5 | mg/l | 1.16 | | | | | | | |
| Hardness | - | | | - | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.479 | | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Alex O | CARRY I | Mail | Contract of | Kisto | and a |
| Lithium - Total | - | mg/l | 0.268 | | NOI S | ampled | NOI S | ampled | NOT 3 | ampled |
| Magnesium - Total | | mg/l | 27.1 | | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.119 | | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | - | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.8 | | | | | | | |
| Potassium - Total | | mg/l | 43.9 | | | | | | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 495 | | | | | | | |
| Strontium - Total | | mg/l | 5.16 | - + | | | | | | |
| Sulfate | 250 | mg/l | 567 | = -4 | | | | | | |
| Temperature | - | Deg. C. | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 2360 | - | | | | | | |
| Turbidity | 5 | NTU | 2.3 | | | | | | | |
| Vanadium - Total | | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | | | | | | |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

| W TANK | Class GA | 1000 | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|-------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 17 | | 24 | | 23 | | 24 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0,2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 18.6 | | 19.1 | | 16.7 | - 724 | 20.6 | 2 - 1 |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.0071 | J |
| Boron - Total | 1 | mg/l | 2.19 | | 2.11 | | 2.14 | | 2.13 | |
| Bromide | | mg/l | 345 | | 320 | | 362 | | 349 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 5680 | | 6830 | | 5450 | | 6640 | |
| Chloride | 250 | mg/l | 32000 | | 29100 | | 32100 | 1.00 | 30200 | 11.24.1 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 20.0 | UMHO/CM | 69700 | - 60 | 68730 | | 63800 | - | 70060 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | 100 | | 26 | | | | | |
| F2 | 1.5 | mg/l | 0.5 | LT | 0.5 | LT | 0.5 | LT | 0.5 | LT |
| Hardness | - | mg/l | 1000 | | 21030 | 1 | | | | |
| Iron - Total | 0.3 | mg/l | 1.45 | | 1.49 | | 1.01 | 1000 | 1.52 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | - | mg/l | 14.3 | | 15.4 | | 12.8 | | 10.8 | |
| Magnesium - Total | | mg/l | 851 | | 964 | | 826 | | 826 | |
| Manganese - Total | 0.3 | mg/l | 3.26 | | 3.05 | | 2.04 | II. : Y | 3.63 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 6.7 | | 6.5 | | 6.8 | | 6.7 | |
| Potassium - Total | | mg/l | 500 | LT | 500 | LT | 500 | LT | 500 | LT |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 11000 | | 9920 | | 9320 | | 10900 | |
| Strontium - Total | | mg/l | 127 | | 147 | | 121 | | 142 | |
| Sulfate | 250 | mg/l | 1040 | | 1020 | | 923 | | 993 | |
| Temperature | | Deg. C | | | 12 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 48400 | | 51700 | | 47300 | | 45900 | |
| Turbidity | 5 | NTU | 1.6 | | 2.3 | | 2.8 | | 2.5 | |
| Vanadium - Total | - 97 | mg/l | | | | | 4 - | | | |
| Zinc - Total | C | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Control of the Contro

| 9750450 | Class GA | Longe | Jan | 1-21 | Ap | r-21 | Ju | -21 | Oc | -21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|---------------|----------|---------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - 14 | mg/l | 20 | | 22 | | 24 | | 24 | |
| Aluminum - Total | - | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.7 | | 0.6 | | 0,7 | | 1.9 | |
| Arsenic - Total | 0.025 | mg/l | 0.00381 | J | 0.01 | LT | 0.00562 | J | 0.00808 | J |
| Boron - Total | 1 | mg/l | 3.04 | | 2.8 | | 2.93 | | 2.86 | |
| Bromide | | mg/l | 95.6 | | 89.1 | | 102 | | 102 | |
| Cadmium - Total | 0.005 | mg/f | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | - | mg/l | 1690 | | 1890 | | 1660 | | 1630 | |
| Chloride | 250 | mg/l | 8060 | | 8020 | | 8780 | | 8620 | 1.31 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 200 | UMHO/CM | 23500 | 2.0 | 22670 | | 22380 | | 23330 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | 1000 | | 35 | | 1 | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Hardness | - | mg/l | 100 | | 6004 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | 0.127 | | 0.1 | LT | 0.1 | LT |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | - | mg/l | 3.94 | | 5.17 | | 4.6 | | 5.44 | |
| Magnesium - Total | | mg/l | 304 | J | 313 | J | 281 | J | 312 | J |
| Manganese - Total | 0.3 | mg/l | 0.0242 | | 0.015 | LT | 0.021 | | 0.0156 | |
| Mercury - Total | 0.0007 | mg/l | 1.0 | | 0.0002 | LT | | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 8.1 | | 8.4 | | 8.2 | | 7.9 | |
| Potassium - Total | | mg/l | 93.1 |) | 106 | J | 91.4 | J | 99.1 | J |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT. | 1000 | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 2920 | | 2860 | | 2800 | | 3040 | |
| Strontium - Total | 9 | mg/l | 32 | | 36.1 | | 33.7 | | 33.8 | |
| Sulfate | 250 | mg/l | 1580 | - | 1450 | | 1550 | | 1440 | |
| Temperature | - | Deg. C | | | 12 | | Later Control | | | |
| Total Dissolved Solids | 500 | mg/l | 17200 | | 17700 | | 15600 | | 18400 | |
| Turbidity | 5 | NTU | 1.1 | | 2.4 | | 1.5 | | 0.9 | |
| Vanadium - Total | - 91 | mg/l | | | | - 47 | | | | |
| Zinc - Total | C 3 1 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

| W 500 500 | Class GA | 1 2000 | Jar | 1-21 | Ap | r-21 | Ju | I-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|---------|----------|---------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 310 | | 260 | | 310 | | 290 | |
| Aluminum - Total | | mg/l | 100 | | 0.2 | LT | | | | |
| Ammonia | 2 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | 0.00779 | J | 0.00423 | J | 0.00568 | J | 0.01 | LT |
| Boron - Total | 1 | mg/l | 0.0626 | - | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Bromide | | mg/l | | | 1.93 | | | | | |
| Cadmium - Total | 0.005 | mg/f | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 134 | | 125 | | 124 | | 119 | |
| Chloride | 250 | mg/l | 142 | | 189 | | 189 | | | |
| Chromium - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Conductivity | 40.0 | UMHO/CM | 1405 | - | 1300 | | 1280 | | 1325 | |
| Copper - Total | 0.2 | mg/l | | | 0.025 | LT | | | | |
| Eh | 1-1-1 | VOLTS | | | -8 | | | | . 74 | |
| F2 | 1.5 | mg/l | | | 0.2 | LT | | | | |
| Hardness | 140 | | | | 626 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.172 | | 0.167 | | 0.149 | | 0.118 | |
| Lead - Total | 0.025 | mg/l | 1000 | | 0.003 | LT | | - | | - |
| Lithium - Total | - | mg/l | 0.138 | | 0.1 | LT | 0.24 | | 0.221 | |
| Magnesium - Total | 2 - | mg/l | 82.7 | | 76.1 | | 75.2 | | 75.8 | |
| Manganese - Total | 0.3 | mg/l | 0.0423 | | 0.0366 | | 0.0547 | 1 | 0.0362 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | |
| Molybdenum - Total | _ | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| pH | 6.5 to 8.5 | SU | 7.5 | - | 7.3 | | 7,4 | | 7.4 | |
| Potassium - Total | _ | mg/l | 6.7 | | 5.9 | | 5.88 | | 6.34 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 26.3 | | 25.3 | | 25.1 | | 26 | |
| Strontium - Total | - | mg/l | 88.0 | | 0.58 | | 0.552 | | 0.702 | |
| Sulfate | 250 | mg/l | 241 | | 106 | | 126 | | | |
| Temperature | - | Deg. C. | 8.0 | | 8.0 | | 10 | | 12.0 | |
| Total Dissolved Solids | 500 | mg/l | 865 | | 805 | | 775 | | 715 | |
| Turbidity | 5 | NTU | 14.0 | | 23.0 | | 37.0 | | 14.0 | |
| Vanadium - Total | - 3 | mg/l | | | 0.05 | LT | | | | |
| Zinc - Total | | mg/l | | | 0.02 | LT | | | | |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Conditional standards from: New York State Department of Environmental Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| 2 Nagr | Class GA | Cara | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|---------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 230 | | 246 | | 180 | | 280 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LŤ | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.1 | | 0.2 | LT | 0,2 | | 0.2 | |
| Arsenic - Total | 0.025 | mg/l | 0.0102 | | 0.0113 | | 0.00955 | J | 0.0192 | |
| Boron - Total | 1 | mg/l | 0.058 | | 0.0584 | 1 | 0.05 | LT | 0.059 | |
| Bromide | | mg/l | 3.47 | | 2.89 | | 7.54 | | 2.02 | |
| Cadmium - Total | 0.005 | mg/f | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | - | mg/l | 156 | 1 | 136 | | 376 | | 129 | |
| Chloride | 250 | mg/l | 438 | | 368 | | 1010 | 1 | 258 | 1 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 200 | UMHO/CM | 1915 | 200 | 1495 | | 3585 | | 1435 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | 100 | | -21 | | | | - 100 | |
| F2 | 1.5 | mg/l | 0.25 | | 0.2 | LT | 0.2 | LT | 0.22 | |
| Hardness | - | mg/l | 10.75 | | 689 | | | | 2779 | |
| Iron - Total | 0.3 | mg/l | 1.39 | | 1.1 | | 2.47 | 1000 | 1.18 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | - | mg/l | 0.213 | | 0.323 | | 0.1 | LT | 0.231 | |
| Magnesium - Total | | mg/l | 110 | | 85.1 | | 195 | | 82.6 | |
| Manganese - Total | 0.3 | mg/l | 0.0577 | | 0.0524 | | 0.093 | | 0.0422 | |
| Mercury - Total | 0.0007 | mg/l | | 1 | 0.0002 | LT | | | | |
| Molybdenum - Total | _ | mg/l | | | 12.5 | | | | | |
| pH | 6.5 to 8.5 | SU | 7.5 | | 7.5 | | 7.3 | | 7.5 | |
| Potassium - Total | | mg/l | 5.54 | | 5 | LT | 6.58 | 1 | 5.65 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | 17 | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 36.3 | | 31.3 | | 70.1 | | 32 | |
| Strontium - Total | - | mg/l | 1.28 | | 0.997 | | 1.52 | | 1.05 | |
| Sulfate | 250 | mg/l | 161 | | 191 | - | 384 | | 117 | |
| Temperature | | Deg. C | | | 11 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 1320 | - | 1360 | | 2850 | | 2110 | |
| Turbidity | 5 | NTU | 4.1 | | 5.0 | | 3.0 | | 6.3 | |
| Vanadium - Total | F - 9 - 1 | mg/l | | - 47 | | | 1 - 2 - | | | |
| Zinc - Total | -37 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1,1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| W. 5 (A.) 5. | Class GA | 0.4 | Jan | 1-21 | Ap | r-21 | Ju | 11-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|-------|------------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 330 | | | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | | | | | | |
| Ammonia | 2 | mg/l | 0.1 | LT | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 1 | mg/l | 0.0525 | | | | | | | |
| Bromide | | mg/l | 1 | LT | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | - | mg/l | 150 | | | | | | | |
| Chloride | 250 | mg/l | 79.6 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | 40.0 | UMHO/CM | 1240 | - 00-1 | | | | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | | | | | | |
| Eh | 1-2 | VOLTS | -22 | | | | | | | |
| F2 | 1.5 | mg/l | 0.22 | | | | | | | |
| Hardness | 140 | | I Y E | 1 | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.121 | | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Alex O | CARRY I | Mail | Company of | Kisto | and a |
| Lithium - Total | - | mg/l | 0.1 | LT | NOT S | ampled | NOI S | ampled | NOT 3 | ampled |
| Magnesium - Total | | mg/l | 52.6 | 1 - 1 | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.015 | LT | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | - | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.1 | | | | | | | |
| Potassium - Total | | mg/l | 5 | LT | | | | | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 29.6 | | | | | | | |
| Strontium - Total | - | mg/l | 0.524 | 1 10 | | | | | | |
| Sulfate | 250 | mg/l | 155 | | | | | | | |
| Temperature | - | Deg. C. | 1 | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 810 | - | | | | | | |
| Turbidity | 5 | NTU | 0.7 | | | | | | | |
| Vanadium - Total | | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | | | | | | |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

| = 500357 | Class GA | Lass | Jan | 1-21 | Ap | r-21 | Ju | 11-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|-----------|-------|-------------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 370 | | - | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | | | | (| | |
| Ammonia | 2 | mg/l | 0.1 | LT | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.0157 | | | | | | | |
| Boron - Total | 1 | mg/l | 0.05 | LT | | | | | | |
| Bromide | | mg/l | 1 | LT | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | - | mg/l | 134 | | | | | | | |
| Chloride | 250 | mg/l | 21.6 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | - 1 | | | | |
| Conductivity | 200 | UMHO/CM | 1095 | | | | | | | |
| Copper - Total | 0.2 | mg/t | 0.025 | LT | | | | | | |
| Eh | 12/11/ | VOLTS | 3 | | | | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | | | | | | |
| Hardness | 147-11 | | RC 04 | | | | | | | |
| Iron - Total | 0.3 | mg/l | 2.45 | | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Alex C | Carried . | Mail | Contract of | Klade | and a |
| Lithium - Total | - | mg/l | 0.1 | LT | NOT S | ampled | NOI S | ampled | NOT 3 | ampled |
| Magnesium - Total | | mg/l | 52.2 | | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.0674 | | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | - | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8,5 | SU | 7.3 | | | | | | | |
| Potassium - Total | | mg/l | 5 | LT | | | | | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 25.1 | | | | | | | |
| Strontium - Total | | mg/l | 0.42 | | | | | | | |
| Sulfate | 250 | mg/l | 180 | | | | | | | |
| Temperature | | Deg. C. | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 705 | - | | | | | | |
| Turbidity | 5 | NTU | 7.4 | | | | | | | |
| Vanadium - Total | | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | | | | | | |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

| 1.00000000 | Class GA | January 1 | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|-----------|----------------------|----------|--------|----------|--------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 300 | | 330 | | 300 | | 332 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT. | 0.2 | LT |
| Ammonia | 2 | mg/i | 1.1 | - 1 | 0.7 | | 0.8 | | 0.8 | |
| Arsenic - Total | 0.025 | mg/l | 0.0211 | | 0.0247 | | 0.0221 | | 0.0266 | |
| Boron - Total | 1 | mg/l | 0.588 | | 0.444 | | 0.481 | | 0.388 | |
| Bromide | | mg/l | 12.2 | | 4.76 | | 6.1 | | 4.33 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | 3- | mg/l | 500 | LT | 179 | | 224 | | 139 | |
| Chloride | 250 | mg/l | 1060 | | 461 | | 628 | | 396 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | | UMHO/CM | 4205 | | 3085 | | 3110 | | 2355 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1.0 | VOLTS | | - 1 | -13 | 1 | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.29 | |
| Hardness | 1.00 | mg/L | | = 7 | 807 | | | | | |
| Iron - Total | 0.3 | mg/l | 1.83 | | 2.06 | | 1.73 | | 1.42 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | | mg/l | 0.1 | LT | 0.236 | | 0.235 | | 0.165 | |
| Magnesium - Total | 12. | mg/l | 100 | | 87.7 | | 86.6 | | 82 | |
| Manganese - Total | 0.3 | mg/l | 0.095 | | 0.0712 | | 0.0729 | | 0.0559 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | - | | | |
| Molybdenum - Total | | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.3 | | 7.3 | | 7.3 | | 7.3 | |
| Potassium - Total | | mg/l | 28.5 | | 19.3 | | 20.2 | | 17.6 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/L | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 500 | LT | 247 | | 353 | | 204 | |
| Strontium - Total | 20.00 | mg/l | 5.8 | | 4.36 | | 4.42 | | 3.52 | |
| Sulfate | 250 | mg/i | 326 | | 316 | | 311 | | 296 | |
| Temperature | - | Deg. C | | | 11 - | | | | | - |
| Total Dissolved Solids | 500 | mg/i | 2510 | | 1680 | | 1760 | | 1310 | |
| Turbidity | 5 | NTU | 2.3 | | 3.6 | | 0.8 | | 4.7 | |
| Vanadium - Total | | mg/i | | | | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

shaded cells indicate exceedence of the Class GA Groundwater Standard

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

A blank cell in the "Value" column indicates the analysis was not performed.
 No Class GA guidance value or standard exists.

| W. 570 v. 577 | Class GA | Lance | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|--------|----------|---------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 14 | mg/l | 330 | | 340 | | 320 | | 340 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.1 | LT | 0.2 | LT | 0.1 | LT | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.0064 | J |
| Boron - Total | 1 | mg/l | 0.169 | | 0.153 | | 0.169 | | 0.156 | |
| Bromide | | mg/l | 3.84 | | 2.47 | | 2.4 | | 3.61 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | _ | mg/l | 249 | | 360 | | 276 | | 233 | |
| Chloride | 250 | mg/l | 444 | | 289 | | 343 | | 407 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.00841 | J |
| Conductivity | 200 | UMHO/CM | 2300 | | 2060 | | 2160 | | 2300 | 13.51 |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | 13.00 | | 35 | | | | | |
| F2 | 1.5 | mg/l | 0.26 | | 0.2 | LT | 0.2 | LT | 0.33 | |
| Hardness | 14 | mg/l | Car. | | 1372 | 1 | 500 1 | | | |
| Iron - Total | 0.3 | mg/l | 0.148 | | 0.201 | | 0.14 | | 0.172 | |
| Lead - Total | 0.025 | mg/l | 0.003 | - LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | 7-7 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Magnesium - Total | | mg/l | 121 | | 115 | | 110 | | 117 | |
| Manganese - Total | 0.3 | mg/l | 0.046 | | 0.0533 | | 0.0441 | | 0.0483 | |
| Mercury - Total | 0.0007 | mg/l | - | | 0.0002 | LT | | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.1 | | 7.1 | | 7.1 | | 7.1 | |
| Potassium - Total | | mg/l | 6.09 | 4 | 5.02 | | 5.09 | | 6.64 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | - 1 |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 50 | LT | 61.2 | | 54.3 | | 50 | LT |
| Strontium - Total | 9 | mg/l | 1.56 | - | 1.37 | | 1.35 | | 1.44 | |
| Sulfate | 250 | mg/l | 329 | | 372 | | 321 | | 282 | 100 |
| Temperature | | Deg. C | | | 10 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 1560 | | 1500 | | 1280 | | 1250 | |
| Turbidity | 5 | NTU | 0.5 | | 1,6 | | 0.7 | | 0.2 | |
| Vanadium - Total | 9-1 | mg/l | 100 | F | | | | | 100 | |
| Zinc - Total | C | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1,1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| T LAZE | Class GA | Care | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|---------|----------|---------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 14 | mg/l | 16 | | 20 | | 22 | | 18 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 14 | 1 | 14.5 | | 12.8 | | 15.2 | 200 |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | 0.00383 | J | 0.00369 | J | 0.0087 | J |
| Boron - Total | 1 | mg/l | 2.86 | | 2.75 | | 2.59 | | 2.66 | |
| Bromide | | mg/l | 231 | | 214 | | 189 | | 228 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 3910 | | 4910 | | 3770 | | 3670 | |
| Chloride | 250 | mg/l | 20700 | | 19900 | | 18400 | 1.00 | 20900 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 200 | UMHO/CM | 48030 | | 47400 | | 47700 | | 48380 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-1 | VOLTS | | | 58 | | | | | |
| F2 | 1.5 | mg/l | 0.5 | LT | 0.5 | LT | 0.5 | LT | 0.5 | LT |
| Hardness | 14 | mg/l | L 32 | | 15730 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.127 | | 0.452 | | 0.194 | | 0.154 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | - | mg/l | 8.68 | | 9.63 | | 8.33 | | 9.31 | |
| Magnesium - Total | | mg/l | 733 | | 845 | | 679 | | 704 | |
| Manganese - Total | 0.3 | mg/l | 2.92 | | 3.05 | | 2.87 | | 2.82 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 6.5 | | 6.5 | | 6.6 | A | 6.7 | |
| Potassium - Total | | mg/l | 195 | J | 227 | J | 158 | J | 173 | J |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | 1000 | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 5920 | | 6840 | | 4790 | | 6130 | |
| Strontium - Total | 9 | mg/l | 96.6 | | 114 | | 90.2 | | 88.3 | |
| Sulfate | 250 | mg/l | 645 | | 651 | | 623 | | 620 | |
| Temperature | | Deg. C | | | 11 | | 9.5 | | - | |
| Total Dissolved Solids | 500 | mg/l | 34200 | - 3 | 38400 | | 33900 | | 29400 | |
| Turbidity | 5 | NTU | 2.1 | | 2.9 | | 1.3 | | 1.2 | |
| Vanadium - Total | - 9 - | mg/l | | | | | | | | |
| Zinc - Total | C | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1,1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| W TASE | Class GA | 100 A | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|---------|----------|---------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 250 | | 280 | | 260 | | 220 | |
| Aluminum - Total | | mg/l | 0.58 | | 0.2 | LT | 0,2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.6 | | 0.7 | | 0.6 | | 1.6 | |
| Arsenic - Total | 0.025 | mg/l | 0.00455 | J | 0.01 | LT | 0.00719 | J | 0.00596 | J |
| Boron - Total | 1 | mg/l | 0.232 | | 0.259 | | 0.391 | | 0.611 | |
| Bromide | | mg/l | 1.98 | | 2.51 | | 4.84 | | 20.7 | |
| Cadmium - Total | 0.005 | mg/f | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | - | mg/l | 76.4 | | 87.4 | | 153 | | 391 | |
| Chloride | 250 | mg/l | 240 | | 259 | | 592 | 1 .75 | 1740 | 1.41 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 20.00 | UMHO/CM | 1360 | | 1620 | | 2940 | | 5865 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | P 70 7 | | 77 | | 2.5 | | | |
| F2 | 1.5 | mg/l | 0.47 | | 0.37 | 4 | 0.25 | | 0.3 | |
| Hardness | - | mg/l | RYTH | | 394 | | LY'S | | | |
| Iron - Total | 0.3 | mg/l | 1.31 | 4 | 0.17 | | 0.27 | | 0.108 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.00324 | | 0.003 | LT |
| Lithium - Total | - | mg/l | 0.1 | LT | 0.11 | | 0.158 | | 0.415 | |
| Magnesium - Total | | mg/l | 50.2 | | 42.7 | | 70.2 | | 130 | |
| Manganese - Total | 0.3 | mg/l | 0.0601 | | 0.0816 | | 0.015 | LT | 0.237 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | - |
| Molybdenum - Total | _ | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.6 | - | 7.4 | | 7.4 | | 7.2 | |
| Potassium - Total | | mg/l | 16.6 | | 21.4 | | 32.6 | 1 | 61.3 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 110 | | 180 | | 287 | | 663 | |
| Strontium - Total | - | mg/l | 2.32 | | 2.29 | | 4.03 | | 7.76 | |
| Sulfate | 250 | mg/l | 88.1 | | 119 | | 149 | | 219 | |
| Temperature | - | Deg. C | | | 12 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 840 | - 3 | 990 | | 1470 | | 3140 | |
| Turbidity | 5 | NTU | 39 | | 37 | | 35 | | 17 | |
| Vanadium - Total | 2 | mg/l | 1 | 0.00 | 100 | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1,1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| 9.5.038 | Class GA | Cara | Jan | 1-21 | Ap | r-21 | Ju | -21 | Oc | -21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|---------|----------|---------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 13 | | 22 | | 18 | | 10 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0,2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 17.4 | | 17.8 | | 19 | | 17.7 | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | 0.01 | LT | 0.00505 | J | 0.00305 | J |
| Boron - Total | 1 | mg/l | 2.29 | | 2.14 | | 2.3 | | 2.13 | |
| Bromide | | mg/l | 318 | | 294 | | 289 | | 313 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | - | mg/l | 5510 | | 6250 | | 6060 | | 5180 | - 1 - |
| Chloride | 250 | mg/l | 28500 | | 27100 | | 27600 | 1 | 27100 | 1.25 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 40.00 | UMHO/CM | 63600 | | 63400 | | 62800 | | 63200 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-1 | VOLTS | Phillips | | -24 | | 100 | | | |
| F2 | 1.5 | mg/l | 0.5 | LT | 0.5 | LT | 0.5 | LT | 0.5 | LT |
| Hardness | - | mg/l | ROW | | 19320 | | 125.34 | | | |
| Iron - Total | 0.3 | mg/l | 6.36 | | 6.28 | | 7.36 | | 6.23 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | - | mg/l | 14 | | 13.9 | | 13.6 | | 13.7 | |
| Magnesium - Total | | mg/l | 874 | | 901 | | 896 | | 823 | |
| Manganese - Total | 0.3 | mg/l | 3.95 | | 3.99 | | 4.24 | | 3.82 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | 100 | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 6.9 | | 7.0 | | 7.0 | | 6.8 | |
| Potassium - Total | | mg/l | 217 | 3 | 238 | J | 224 | J | 195 | J |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 9260 | | 10400 | | 8530 | - | 8540 | |
| Strontium - Total | - | mg/l | 116 | | 128 | | 128 | | 108 | |
| Sulfate | 250 | mg/l | 1350 | | 1340 | | 1320 | | 1280 | |
| Temperature | | Deg. C | | | 11 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 46700 | | 46200 | | 46900 | | 42100 | |
| Turbidity | 5 | NTU | 4.4 | | 4.4 | | 6.0 | | 3.4 | |
| Vanadium - Total | - 9 | mg/l | - F - | | | - 32 | | | | |
| Zinc - Total | C | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Control of the Contro

| W 500000 | Class GA | 1000 | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|--------|----------|---------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 14 | mg/l | 36 | | 110 | | 108 | | 60 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0,2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 10.5 | | 5.3 | | 5,6 | | 9.1 | 0.00 |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | 0.01 | LT | 0.0101 | | 0.00584 | J |
| Boron - Total | 1 | mg/l | 2.56 | | 2.41 | | 2.54 | | 2.42 | |
| Bromide | | mg/l | 149 | | 52.1 | | 48.6 | | 116 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 2770 | | 911 | | 873 | | 2110 | |
| Chloride | 250 | mg/l | 13800 | | 4890 | | 4830 | | 11000 | 1.51 |
| Chromium - Total | 0.05 | mg/I | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 200 | UMHO/CM | 33500 | | 14200 | | 14440 | | 27840 | 100 |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | The same | | -41 | | | | | |
| F2 | 1.5 | mg/l | 0.5 | LT | 0.2 | LT | 0.2 | LT | 0.5 | LT |
| Hardness | 14 | mg/l | 100 | | 3192 | | | - | | |
| Iron - Total | 0.3 | mg/l | 6.86 | | 4.07 | | 4.32 | | 6.6 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | 7-7 | mg/l | 7.39 | | 2.92 | | 2.82 | | 6.15 | |
| Magnesium - Total | | mg/l | 500 | LT | 500 | LT | 500 | LT | 500 | LT |
| Manganese - Total | 0.3 | mg/l | 2.08 | | 0.755 | | 0.778 | | 1.63 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | 1000 | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.1 | | 7.3 | | 7.2 | | 7.1 | |
| Potassium - Total | | mg/l | 128 |) | 53 | J | 59.4 | J | 96.9 | J |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 4180 | | 1600 | | 1580 | | 3380 | |
| Strontium - Total | 9 | mg/l | 52.3 | | 27.3 | | 26.7 | | 43.6 | |
| Sulfate | 250 | mg/l | 1500 | | 483 | | 485 | | 1320 | |
| Temperature | - 1 | Deg. C | True C | | 11 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 24200 | | 11100 | | 10300 | | 20400 | |
| Turbidity | 5 | NTU | 17 | | 28 | | 15 | | 42 | |
| Vanadium - Total | - 81 | mg/l | 16 7 75 4 | | | 1000 | | | | |
| Zinc - Total | C - 3 C - 1 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

| - EA35 | Class GA | Loca II | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|---------|----------|---------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 14 | mg/l | 200 | | 170 | | 210 | | 232 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 2.2 | | 2.3 | - | 2 | | 2.4 | |
| Arsenic - Total | 0.025 | mg/l | 0.0093 | | 0.00678 | J | 0.00951 | J | 0.0105 | |
| Boron - Total | 1 | mg/l | 2.48 | | 2,33 | | 2.35 | | 2.33 | |
| Bromide | | mg/l | 8.88 | | 8.66 | | 9.67 | | 8.98 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 72.5 | | 77.6 | | 67.6 | | 68.1 | |
| Chloride | 250 | mg/l | 820 | | 794 | | 842 | 1 | 828 | 100 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 200 | UMHO/CM | 3300 | | 3280 | | 3200 | | 3270 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-7 | VOLTS | 12 E.Z | | 17 | | 775 | | | |
| F2 | 1.5 | mg/l | 0.72 | | 0.63 | | 0.66 | | 0.69 | |
| Hardness | | mg/l | LYL | | 260 | 1 | | | | |
| Iron - Total | 0.3 | mg/l | 0.2 | | 0.225 | | 0.224 | | 0.239 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | 7-7 | mg/l | 0.1 | LT | 0.485 | | 0.409 | | 0.41 | |
| Magnesium - Total | | mg/l | 16.5 | | 16 | | 14.3 | | 14.5 | |
| Manganese - Total | 0.3 | mg/l | 0.0935 | | 0.0957 | | 0.0884 | | 0.0883 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.8 | | 7.7 | | 7.7 | | 7.7 | |
| Potassium - Total | | mg/l | 42.3 | | 41.9 | | 38.2 | | 42.4 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 720 | | 536 | | 500 | LT | 500 | LT |
| Strontium - Total | _ | mg/l | 2.3 | | 2.34 | | 2.09 | | 2.07 | |
| Sulfate | 250 | mg/l | 198 | | 182 | - | 162 | | 174 | |
| Temperature | - | Deg. C | | | 12 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 1860 | | 1760 | | 1720 | | 2850 | |
| Turbidity | 5 | NTU | 2.9 | | 2.6 | | 4.2 | | 10.0 | |
| Vanadium - Total | 2 | mg/l | | | | | 100 | | | |
| Zinc - Total | C = Sicol | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

| - V. LA25 | Class GA | Lazzi | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | 1-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|--------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 14 | mg/l | 20 | | 14 | | 31 | | 32 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 9 | | 9.1 | | 8.8 | | 9.3 | |
| Arsenic - Total | 0.025 | mg/l | 0.016 | | 0.0116 | | 0.0191 | | 0.0196 | |
| Boron - Total | 1 | mg/l | 3.01 | | 2.8 | | 2.78 | | 2.85 | |
| Bromide | | mg/l | 89.9 | | 85.7 | | 92.2 | | 87.7 | |
| Cadmium - Total | 0.005 | mg/t | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 1240 | | 1460 | | 1190 | | 1260 | |
| Chloride | 250 | mg/l | 7750 | | 7670 | | 7820 | | 7670 | 11.31 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 140 | UMHO/CM | 22660 | | 22600 | | 22000 | - | 22820 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | Protection of | | -77 | | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Hardness | 14 | mg/l | 1000 | | 1244 | | | | | 100 |
| Iron - Total | 0.3 | mg/l | 2.52 | | 2.5 | | 2.55 | 12201 | 2.56 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | - | mg/l | 5.13 | | 6.03 | | 5.33 | | 6.05 | |
| Magnesium - Total | | mg/l | 207 | | 214 | | 197 | | 218 | |
| Manganese - Total | 0.3 | mg/l | 1.13 | | 1.16 | | 1.11 | | 1.13 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.6 | | 7.6 | | 7.6 | | 7.7 | |
| Potassium - Total | | mg/l | 88.7 | J) | 102 | J | 80.7 | J | 85.9 | J |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 3110 | | 3210 | | 2940 | | 3170 | |
| Strontium - Total | ~ | mg/l | 26.2 | | 27.8 | | 22.5 | | 27.1 | |
| Sulfate | 250 | mg/l | 1350 | | 1310 | | 1350 | | 1270 | |
| Temperature | - 1 | Deg. C | | | 12 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 15000 | - | 16600 | | 14400 | | 13300 | |
| Turbidity | 5 | NTU | 8.0 | | 0.9 | | 2.3 | | 0.4 | |
| Vanadium - Total | | mg/l | 1-1 | | | | | | | |
| Zinc - Total | C = -3 = 1 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

| 3.045 | Class GA | Carel | Jar | 1-21 | Ap | r-21 | Ju | I-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|---------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 13 | | 18 | | 36 | | 16 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0,2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 19 | | 19 | | 20.6 | | 21.3 | |
| Arsenic - Total | 0.025 | mg/l | 0.00499 | J | 0.01 | LT | 0.00839 | J | 0.0105 | |
| Boron - Total | 1 | mg/l | 2.31 | | 2.16 | | 2.26 | | 2.12 | |
| Bromide | - | mg/l | 364 | | 324 | | 315 | | 363 | |
| Cadmium - Total | 0.005 | mg/t | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 6700 | | 5870 | | 7810 | | 6930 | |
| Chloride | 250 | mg/l | 32800 | | 28600 | | 31200 | 1 | 30600 | 1.25 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 140.1 | UMHO/CM | 69610 | | 68300 | | 70100 | | 71810 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-1 | VOLTS | Production of | | -26 | | | | | |
| F2 | 1.5 | mg/l | 0.5 | LT | 0.5 | LT | 0.5 | LT | 0.5 | LT |
| Hardness | - | mg/l | RA A | | 19120 | 1 | 177.5 | | | |
| Iron - Total | 0.3 | mg/l | 6.51 | | 6.07 | | 6.63 | 1.2001 | 6.16 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | - | mg/l | 13.8 | | 13.7 | | 13.5 | | 11.8 | |
| Magnesium - Total | | mg/l | 1040 | | 1090 | | 1160 | | 1050 | |
| Manganese - Total | 0.3 | mg/l | 4.09 | | 4.03 | | 4.13 | | 4.17 | |
| Mercury - Total | 0.0007 | mg/l | 100 | | 0.0002 | LT | | - | | |
| Molybdenum - Total | _ | mg/l | | | 1 | | | | | |
| pH | 6.5 to 8.5 | SU | 7.1 | | 7.1 | | 7.2 | | 7.2 | |
| Potassium - Total | | mg/l | 281 | 3 | 295 | J | 323 | J | 292 | J |
| Selenium - Total | 0.01 | mg/l | 5.00 | | 0.005 | LT | 10.4 | 100 | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 9880 | | 11400 | | 9060 | | 10900 | |
| Strontium - Total | - | mg/l | 151 | | 130 | | 175 | | 151 | |
| Sulfate | 250 | mg/l | 1160 | | 1130 | | 1090 | | 1090 | |
| Temperature | - | Deg. C | | | 12 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 52800 | | 50500 | | 51300 | | 47500 | 10.00 |
| Turbidity | 5 | NTU | 5.9 | | 7.7 | | 10.0 | | 5.2 | |
| Vanadium - Total | F S S T S I | mg/l | 1000 | 1000 | | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

| W 0/A30. | Class GA | Carall | Jai | 1-21 | Ap | r-21 | Ju | 11-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|-----------|-------|-------------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 330 | | | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | | | | (| | |
| Ammonia | 2 | mg/l | 0.1 | LT | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 1 | mg/l | 0.28 | | | | | | | |
| Bromide | | mg/l | 1 | LT | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | - | mg/l | 164 | | | | | | | |
| Chloride | 250 | mg/l | 10.1 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | 1 40 1 | UMHO/CM | 1385 | 1000 | | | | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | | | | | | |
| Eh | 12/11/ | VOLTS | 119 | | | | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | | | | | | |
| Hardness | 1200 | | | | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Alex O | Carried . | Mail | Contract of | Klade | and a |
| Lithium - Total | - | mg/l | 0.1 | LT | NOT S | ampled | NOI S | ampled | NOT 3 | ampled |
| Magnesium - Total | | mg/l | 57.6 | | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.015 | LT. | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | - | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.4 | | | | | | | |
| Potassium - Total | | mg/l | 15.6 | | | | | | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 56.9 | | | | | | | |
| Strontium - Total | _ | mg/l | 3.32 | | | | | | | |
| Sulfate | 250 | mg/l | 381 | | | | | | | |
| Temperature | | Deg. C. | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 1040 | - | | | | | | |
| Turbidity | 5 | NTU | 1.4 | | | | | | | |
| Vanadium - Total | | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | | | | | | |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

| T MARKET | Class GA | Lana III | Jai | 1-21 | Ap | r-21 | Ju | 11-21 | Oc | t-21 |
|------------------------|-----------------------------|----------|----------------------|----------|--------|-----------|-------|-------------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 290 | | | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | | | | (| | |
| Ammonia | 2 | mg/l | 1 | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.0104 | | | | | | | |
| Boron - Total | 1 | mg/l | 0.905 | | | | | | | |
| Bromide | | mg/l | 1 | LT | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | - | mg/l | 85.2 | = | | | | | | |
| Chloride | 250 | mg/l | 86.7 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | 40.00 | UMHO/CM | 1195 | 1 | | | | | | |
| Copper - Total | 0.2 | mg/t | 0.025 | LT | | | | | | |
| Eh | 12/11/ | VOLTS | 74 | | | | | | | |
| F2 | 1.5 | mg/l | 0.3 | | | | | | | |
| Hardness | 140 | | | | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Alex O | Carried . | Mail | Contract of | Klade | and a |
| Lithium - Total | - | mg/l | 0.1 | LT | NOT S | ampled | NOI S | ampled | NOT 3 | ampled |
| Magnesium - Total | | mg/l | 31.5 | | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.015 | LT | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | - | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8,5 | SU | 7.4 | | | | | | | |
| Potassium - Total | | mg/l | 21.7 | | | | | | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 114 | | | | | | | |
| Strontium - Total | | mg/l | 3.72 | | | | | | | |
| Sulfate | 250 | mg/l | 188 | | | | | | | |
| Temperature | | Deg. C. | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 760 | | | | | | | |
| Turbidity | 5 | NTU | 0.6 | | | | | | | |
| Vanadium - Total | | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | | | | | | |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

| PRAIRW | Class GA | Long | Jan | 1-21 | Ap | r-21 | Ju | 11-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|-------|-------------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - 14 | mg/l | 42 | | | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | | | | | | |
| Ammonia | 2 | mg/l | 0.1 | LT | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 1 | mg/l | 3.59 | 1 | | | | | | |
| Bromide | | mg/l | 25 | LT | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | | mg/l | 50 | LT | | | | | | |
| Chloride | 250 | mg/l | 2000 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | 20.00 | UMHO/CM | 6970 | 1000 | | | | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | | | | | | |
| Eh | 1-2 | VOLTS | 70 | 23.3 | | | | | | |
| F2 | 1.5 | mg/l | 0.42 | | | | | | | |
| Hardness | 140 | | | | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Alex D | CARRY I | Mail | Contract of | KIMB | and a |
| Lithium - Total | - | mg/l | 0.608 | | NOT S | ampled | NOI S | ampled | NOT 3 | ampled |
| Magnesium - Total | | mg/l | 114 | 4 | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.015 | LT | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | - | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.9 | | | | | | | |
| Potassium - Total | | mg/l | 77.7 | | | | | | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 69.7 | | | | | | | |
| Strontium - Total | | mg/l | 16.2 | | | | | | | |
| Sulfate | 250 | mg/l | 211 | | | | | | | |
| Temperature | 7-07 | Deg. C. | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 4760 | | | | | | | |
| Turbidity | 5 | NTU | 2.3 | | | | | | | |
| Vanadium - Total | | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | | | | | | |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

| 9 : 0.75 | Class GA | 1 (0) L | Jai | 1-21 | Ap | or-21 | Ju | 11-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|-----------|-------|------------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 160 | - | _ | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | | | | | | |
| Ammonia | 2 | mg/l | 1.8 | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 1 | mg/l | 3.02 | | | | | | | |
| Bromide | | mg/l | 25 | LT | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | - | mg/l | 500 | LT | | | | | | |
| Chloride | 250 | mg/l | 2090 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | | UMHO/CM | 7200 | | | | | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | | | | | | |
| Eh | 1-7 | VOLTS | 52 | | | | | | | |
| F2 | 1.5 | mg/l | 0.32 | | | | | | | |
| Hardness | 12/11 | | | | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.139 | | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Alex C | Carrier I | Mail | Company of | Kisto | and a |
| Lithium - Total | - | mg/l | 0.609 | | NOT S | ampled | NOI S | ampled | NOT 3 | ampled |
| Magnesium - Total | | mg/l | 111 | | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.209 | | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | - | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.3 | | | | | | | |
| Potassium - Total | | mg/l | 72 | | | | | | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 742 | | | | | | | |
| Strontium - Total | - | mg/l | 15.7 | | | | | | | |
| Sulfate | 250 | mg/l | 147 | | | | | | | |
| Temperature | - | Deg. C. | 1.0 | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 4670 | - | | | | | | |
| Turbidity | 5 | NTU | 1.2 | | | | | | | |
| Vanadium - Total | | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | | | | | | |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

| W. D. C. S. C. C. | Class GA | Carel | Jan | 1-21 | Ap | r-21 | Ju | I-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|-------|----------|---------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - 4 | mg/l | 36 | | 42 | | 40 | | 40 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 11 | | 11.7 | | 10.5 | | 12.3 | 0.00 |
| Arsenic - Total | 0.025 | mg/l | 0.00355 | J | 0.01 | LT | 0.01 | LT | 0.00547 | J |
| Boron - Total | 1 | mg/l | 2.56 | | 2.28 | | 2.3 | | 2.36 | |
| Bromide | | mg/l | 164 | | 163 | | 186 | 100 | 175 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 3680 | | 2860 | | 3080 | | 3870 | |
| Chloride | 250 | mg/l | 15200 | | 14000 | | 16400 | 1.77 | 16100 | 1.25 |
| Chromium - Total | 0.05 | mg/I | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 200 | UMHO/CM | 38030 | | 38070 | 3= | 37750 | | 38150 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-1 | VOLTS | | | 36 | | | | | |
| F2 | 1.5 | mg/l | 0.5 | LT | 0.5 | LT | 0.5 | LT | 0.5 | LT |
| Hardness | 140 | mg/l | P. Carlo | | 9739 | | 1000 | | | |
| Iron - Total | 0.3 | mg/l | 0.929 | | 2.11 | | 0.908 | | 0.717 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | - | mg/l | 6.58 | | 7.39 | | 6.71 | | 5.86 | |
| Magnesium - Total | | mg/l | 692 | | 634 | | 587 | | 652 | |
| Manganese - Total | 0.3 | mg/l | 2.54 | | 2.51 | | 2.43 | | 2.62 | |
| Mercury - Total | 0.0007 | mg/l | | - | 0.0002 | LT | | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 6.5 | | 6.5 | | 6.5 | | 6.6 | |
| Potassium - Total | | mg/l | 159 |) | 153 | J | 138 | J | 155 | J |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 4400 | | 3820 | | 3420 | | 4480 | |
| Strontium - Total | - | mg/l | 105 | | 79.7 | | 87.3 | | 106 | |
| Sulfate | 250 | mg/l | 510 | | 547 | | 494 | | 523 | |
| Temperature | - | Deg. C | | | 11 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 26700 | - 3 | 30500 | | 25600 | | 27500 | |
| Turbidity | 5 | NTU | 1.5 | | 2.0 | - 1 | 2.3 | | 2.4 | |
| Vanadium - Total | F - 19 1 - 1 | mg/l | | - 4 | | | | | | |
| Zinc - Total | CO3 C. I. | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| 120,429 | Class GA | 604 | Ja | n-21 | Ap | r-21 | J | 1-21 | 00 | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|--------|----------|---------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 15 | mg/l | 330 | | 332 | | 310 | | 348 | |
| Aluminum - Total | - | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.2 | | 0.3 | + = - | 0.2 | 1 | 0.3 | 100 |
| Arsenic - Total | 0.025 | mg/l | 0.0196 | | 0.0203 | | 0.018 | | 0.0226 | |
| Boron - Total | 1 | mg/l | 0.188 | | 0.19 | | 0.194 | 1 | 0.192 | |
| Bromide | - | mg/l | 1.42 | | 1.39 | | 1.5 | | 1,16 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | - | mg/l | 112 | | 109 | 11.25 | 115 | - | 112 | |
| Chloride | 250 | mg/l | 154 | | 164 | | 169 | | 143 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.0056 | J | 0.00487 | J |
| Conductivity | | UMHO/CM | 1620 | | 1640 | | 1615 | + | 1580 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | - | VOLTS | | | -47 | 1 | 7000 | | 100 | |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.22 | |
| Hardness | | mg/l | - | 1 | 775 | | - | | 1 2 40 | 1.0 |
| Iron - Total | 0.3 | mg/l | 1.22 | | 1.48 | | 1,34 | | 1.47 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Magnesium - Total | | mg/l | 112 | | 122 | | 109 | 1 | 113 | |
| Manganese - Total | 0.3 | mg/l | 0.0616 | | 0.0826 | | 0.0677 | | 0.0892 | |
| Mercury - Total | 0.0007 | mg/l | | - | 0.0002 | LT | | - | += | |
| Molybdenum - Total | | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.5 | | 7.3 | 11 | 7.4 | | 7.4 | |
| Potassium - Total | | mg/l | 8.79 | | 9.37 | | 8.74 | | 10.6 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 82 | | 89.2 | | 58.2 | 100 | 62 | |
| Strontium - Total | | mg/l | 2.46 | | 2.35 | | 2.55 | | 2.46 | |
| Sulfate | 250 | mg/l | 309 | | 328 | 1 1 1 1 | 318 | - | 310 | |
| Temperature | - | Deg. C | | | 11 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 1150 | 7 | 1330 | | 1040 | | 1920 | |
| Turbidity | 5 | NTU | 4 | | 9.2 | | 8.2 | | 18.0 | |
| Vanadium - Total | | mg/l | 1 | 1000 | | | | | | |
| Zinc - Total | - Jan. | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | _LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed

^{— =} No Class GA guidance value or standard exists.
shaded cells indicate exceedence of the Class GA Groundwater Standard

| 9 7/445 | Class GA | Lace | Jan | 1-21 | Ap | r-21 | Ju | I-21 | 00 | 1-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|---------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 14 | mg/l | 200 | | 230 | | 150 | | 124 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LŤ | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.4 | | 0.2 | LT | 1.3 | - | 2.7 | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | 0.01 | LT | 0.00362 | J | 0.0071 | J |
| Boron - Total | 1 | mg/l | 0.127 | | 0.101 | | 1.21 | | 1.82 | |
| Bromide | | mg/l | 34.2 | | 27.5 | | 35.2 | | 53.5 | |
| Cadmium - Total | 0.005 | mg/f | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | _ | mg/l | 1040 | | 833 | - 4 - | 1280 | | 1140 | |
| Chloride | 250 | mg/l | 3610 | | 3210 | | 3790 | | 5160 | 1.31 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 14/11 | UMHO/CM | 10910 | 1000 | 9680 | | 11860 | | 14550 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | In the | | 464 | | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.24 | |
| Hardness | | mg/l | 2.0 | | 3681 | | | 1200 | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.119 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | - | mg/l | 2.27 | | 2.58 | | 2.4 | | 2.27 | |
| Magnesium - Total | | mg/l | 500 | LT | 500 | LT | 533 | | 500 | LT |
| Manganese - Total | 0.3 | mg/l | 0.0233 | | 0.015 | LT | 0.408 | | 0.842 | |
| Mercury - Total | 0.0007 | mg/l | - | | 0.0002 | LT | | - | | |
| Molybdenum - Total | _ | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.1 | | 7.1 | | 7 | | 7.0 | |
| Potassium - Total | _ | mg/l | 15.1 | 1 | 13.1 | | 50.5 | | 85.2 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 582 | | 576 | | 1110 | | 1260 | |
| Strontium - Total | | mg/l | 2.29 | | 1.86 | | 11.1 | | 17.9 | |
| Sulfate | 250 | mg/l | 377 | | 367 | | 438 | 2 | 482 | |
| Temperature | - | Deg. C | | | 11 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 8150 | | 8700 | | 8860 | | 8860 | |
| Turbidity | 5 | NTU | 9.3 | | 8.1 | | 14 | 2 | 12.0 | |
| Vanadium - Total | 2 | mg/l | 11 / 10 4 | 1000 | | | 1 | | | |
| Zinc - Total | CALL TO SELECT | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | 1.7 | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| 97503879 | Class GA | Lace | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | 1-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|---------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 14 | mg/l | 300 | | 300 | | 290 | | 310 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LŤ | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.5 | | 0.5 | - | 0.6 | | 0.6 | |
| Arsenic - Total | 0.025 | mg/l | 0.0193 | 4 | 0.0168 | | 0.0181 | | 0.0193 | |
| Boron - Total | 1 | mg/l | 0.178 | | 0.173 | | 0.188 | | 0.171 | |
| Bromide | | mg/l | 1.91 | | 1.85 | | 1.53 | | 2 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 74.6 | 4 | 67.5 | | 77.4 | | 78.2 | |
| Chloride | 250 | mg/l | 207 | | 213 | | 204 | | 223 | 100 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 200 | UMHO/CM | 1360 | | 1360 | 100 | 1370 | | 1400 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | 100 | | -38 | | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.26 | | 0.41 | | 0.26 | |
| Hardness | 14 | mg/l | Prince | | 518 | | | - | | |
| Iron - Total | 0.3 | mg/l | 0.741 | 1 | 0.68 | | 0.473 | | 0.5 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.00375 | - | 0.003 | LT |
| Lithium - Total | - | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Magnesium - Total | | mg/l | 83.4 | | 85 | | 78.1 | | 80.4 | |
| Manganese - Total | 0.3 | mg/l | 0.0274 | | 0.0288 | | 0.031 | | 0.0298 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | 1 | - | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.7 | | 7,6 | | 7.6 | | 7.6 | |
| Potassium - Total | | mg/l | 10.7 | | 10.4 | | 9.73 | 5 | 11.9 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | 1 | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 73.7 | | 75.2 | | 76.9 | | 81.5 | |
| Strontium - Total | - | mg/l | 2.7 | | 2.42 | | 2.85 | | 2.79 | |
| Sulfate | 250 | mg/l | 86.4 | | 91 | | 86.3 | | 86.8 | |
| Temperature | - | Deg. C | | | 11 | | 100 | | | |
| Total Dissolved Solids | 500 | mg/l | 890 | | 870 | | 795 | | 1190 | |
| Turbidity | 5 | NTU | 1.2 | | 1.6 | | 1.8 | | 1.0 | |
| Vanadium - Total | | mg/l | | | | 1000 | | | | |
| Zinc - Total | Carry Carl | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1,1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| - 9 TASS | Class GA | Lace | Jan | 1-21 | Ap | r-21 | Ju | I-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|------------|----------|---------|----------|---------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 230 | | 330 | | 330 | | 368 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.20 | LT |
| Ammonia | 2 | mg/l | 0.2 | | 0.2 | N | 0.1 | | 0.3 | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | 0.00543 | J | 0.0039 | J | 0.00752 | J |
| Boron - Total | 1 | mg/l | 0.179 | | 0.152 | | 0.181 | | 0.22 | |
| Bromide | | mg/l | 5.94 | | 6.27 | | 4.76 | | 6.91 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.01 | LT |
| Calcium - Total | | mg/l | 271 | | 193 | | 245 | | 254 | |
| Chloride | 250 | mg/l | 589 | | 682 | | 617 | 1.75 | 687 | 1.01 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 200 | UMHO/CM | 2850 | | 3150 | | 2935 | | 3150 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | 17120 | | 31 | | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Hardness | 14 | mg/l | D1 3- | | 1169 | 1 | | | | 1 |
| Iron - Total | 0.3 | mg/l | 1.19 | | 0.473 | | 0.599 | | 0.81 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | - | mg/l | 0.1 | LT | 0.158 | | 0.11 | | 0.18 | |
| Magnesium - Total | | mg/l | 151 | | 167 | | 151 | | 164 | |
| Manganese - Total | 0.3 | mg/l | 0.101 | | 0.116 | | 0.108 | | 0.13 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | 53-3 | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.2 | | 7.1 | | 7.2 | | 7.1 | |
| Potassium - Total | | mg/l | 12.9 | | 11.9 | | 12 | | 16 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 137 | | 92.1 | | 108 | | 133 | |
| Strontium - Total | - | mg/l | 2.95 | | 2.57 | | 2.94 | | 3.33 | |
| Sulfate | 250 | mg/l | 272 | | 299 | | 302 | | 294 | |
| Temperature | | Deg. C | Late Land | | 11 | | W-00 | | | |
| Total Dissolved Solids | 500 | mg/l | 1740 | | 2190 | | 1640 | | 1630 | |
| Turbidity | 5 | NTU | 4.6 | | 8.9 | | 6.4 | | 8.9 | |
| Vanadium - Total | | mg/l | | | 11 - 1 - 1 | 1000 | 1 - 1 - | | | |
| Zinc - Total | CO3 C. I. | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| W 57/3 577 | Class GA | Local | Jan | 1-21 | Ap | r-21 | Ju | I-21 | 00 | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|---------|----------|---------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 270 | | 190 | | 270 | | 276 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.5 | | 0.6 | | 0,7 | - | 0.8 | |
| Arsenic - Total | 0.025 | mg/l | 0.0105 | | 0.00887 | J | 0.0115 | | 0.011 | |
| Boron - Total | 1 | mg/l | 0.392 | | 0.369 | | 0.459 | | 0.426 | |
| Bromide | | mg/l | 1.17 | | 1 | LT | 1.42 | | 1.32 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 39.3 | | 33.2 | | 43.8 | | 44.1 | |
| Chloride | 250 | mg/l | 119 | | 110 | 1.00 | 183 | | 131 | 1.01 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.00564 | J | 0.01 | LT |
| Conductivity | 200 | UMHO/CM | 935 | | 885 | | 955 | | 1010 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | I DE L | | -70 | | | - | | |
| F2 | 1.5 | mg/l | 0.31 | | 0.41 | | 0.53 | | 0.38 | |
| Hardness | 147 | mg/l | 1 2 3 | | 270 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.492 | | 0.44 | | 0.544 | | 0.581 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.0056 | | 0.003 | LT |
| Lithium - Total | - | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Magnesium - Total | | mg/l | 48 | | 45.6 | | 47.8 | | 49.5 | |
| Manganese - Total | 0.3 | mg/l | 0.0534 | | 0.0514 | | 0.0606 | | 0.0593 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.9 | | 7.8 | | 7.8 | | 7.7 | |
| Potassium - Total | | mg/l | 11.4 | | 10.9 | | 11.8 | | 13.9 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 74.2 | | 65 | | 83.6 | | 83.8 | |
| Strontium - Total | - | mg/l | 1.9 | | 1,59 | | 2.13 | | 2.07 | |
| Sulfate | 250 | mg/l | 21.5 | | 23.3 | | 22.2 | | 21.8 | |
| Temperature | - 1 | Deg. C | | | 11 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 520 | | 515 | | 655 | | 655 | |
| Turbidity | 5 | NTU | 6.2 | | 8.8 | | 3.4 | | 5.2 | |
| Vanadium - Total | - 9 | mg/l | 1000 | | | | 4.7 | | | |
| Zinc - Total | C | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| W 80380 | Class GA | 1000 | Jan | 1-21 | Ap | r-21 | Ju | I-21 | Oc | 1-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|--------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 310 | 1 | 320 | - | 300 | | 316 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.4 | | 0.3 | - V | 0.5 | | 0.4 | |
| Arsenic - Total | 0.025 | mg/l | 0.0214 | | 0.0204 | | 0.023 | | 0.027 | |
| Boron - Total | 1 | mg/l | 0.185 | | 0,181 | | 0.189 | | 0.179 | |
| Bromide | | mg/l | 1. | LT | 1 | LT | 1 | LT | 1 | LT |
| Cadmium - Total | 0.005 | mg/f | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 29.6 | | 32 | 1 | 31.5 | | 33.9 | |
| Chloride | 250 | mg/l | 20.6 | | 18.6 | 1 2 4 | 22.3 | | 18.7 | |
| Chromium - Total | 0.05 | mg/l | 0.0107 | | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | | UMHO/CM | 700 | | 750 | | 730 | | 760 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | 12.2 | | -34 | | | | | |
| F2 | 1.5 | mg/l | 0.32 | | 0.38 | | 0.56 | | 0.35 | |
| Hardness | - | mg/l | 13.5 | - | 314 | | P.7" A | | | |
| Iron - Total | 0.3 | mg/l | 0,189 | | 0.246 | | 0.156 | | 0.599 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.0045 | - | 0.003 | LT |
| Lithium - Total | - | mg/l | 0.1 | LT | 0.42 | | 0.297 | | 0.319 | |
| Magnesium - Total | | mg/l | 52.3 | - | 56.9 | | 50.9 | | 52.3 | |
| Manganese - Total | 0.3 | mg/l | 0.0207 | | 0.023 | | 0.0202 | | 0.0508 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.9 | 1 1 | 7.9 | | 7.9 | | 8.0 | |
| Potassium - Total | | mg/l | 6.34 | | 6.56 | | 5.92 | 1 | 7.41 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | 1.7 | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 40.6 | | 43.4 | | 40.1 | | 44.5 | |
| Strontium - Total | | mg/l | 1.67 | 7 | 1.75 | | 1.81 | | 1.78 | |
| Sulfate | 250 | mg/l | 40.4 | | 44.3 | | 39.9 | | 40.8 | |
| Temperature | - | Deg. C | 100 | | 11 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 440 | | 475 | | 415 | | 370 | |
| Turbidity | 5 | NTU | 7.1 | | 12.0 | | 6.2 | | 7.5 | |
| Vanadium - Total | - 3 | mg/l | | | | | | 1 | | |
| Zinc - Total | C = Sic I | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

| W 5.035 | Class GA | 1000 | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|---------|----------|---------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 140 | mg/l | 230 | | 34 | | 260 | | 320 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.33 | | 10.1 | | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.2 | | 0.3 | | 0.3 | | 0.4 | |
| Arsenic - Total | 0.025 | mg/l | 0.0175 | | 0.0142 | | 0.0208 | | 0.0248 | |
| Boron - Total | 1 | mg/l | 0.103 | | 0.144 | | 0.119 | | 0.146 | |
| Bromide | - | mg/l | 1.11 | | 1 | LT | 1 | LT | 1.66 | |
| Cadmium - Total | 0.005 | mg/f | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | _ | mg/l | 38.6 | | 66.7 | | 89.6 | | 71.4 | |
| Chloride | 250 | mg/l | 115 | | 107 | | 120 | | 183 | 100 |
| Chromium - Total | 0.05 | mg/I | 0.01 | LT | 0.00875 | J | 0.0172 | | 0.01 | LT |
| Conductivity | 200 | UMHO/CM | 790 | 1 | 1105 | | 1040 | | 1265 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 147.1 | VOLTS | 12.53 | | 156 | | | | | |
| F2 | 1.5 | mg/l | 0.25 | | 0.32 | | 0.49 | | 0.26 | |
| Hardness | 147 | mg/l | 1 700 | | 491 | | 52.8 | | 187 Y | |
| Iron - Total | 0.3 | mg/l | 0.854 | | 1.46 | | 18.3 | | 1.27 | |
| Lead - Total | 0.025 | mg/l | 0.003 | - LT | 0.003 | LT | 0.00698 | | 0.003 | LT |
| Lithium - Total | - | mg/l | 0.223 | | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Magnesium - Total | | mg/l | 50.9 | - | 78.8 | | 77.3 | | 83.6 | |
| Manganese - Total | 0.3 | mg/l | 0.0748 | | 0.128 | | 0.542 | | 0.0652 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | - |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.9 | | 7.7 | | 7.7 | 1 | 7.7 | |
| Potassium - Total | | mg/l | 5.26 | | 7.94 | | 9.23 | | 9.68 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | - 1 |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 38.6 | | 63.1 | | 50 | LT | 74.1 | |
| Strontium - Total | - | mg/l | 1.38 | | 2.06 | | 2.1 | | 2.32 | |
| Sulfate | 250 | mg/l | 63.3 | | 63.2 | | 62.7 | | 78.9 | |
| Temperature | - | Deg. C | 10000 | | 12 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 615 | | 575 | | 660 | | 610 | |
| Turbidity | 5 | NTU | 44.0 | | 38.0 | | 37.0 | | 22.0 | 1 2 1 |
| Vanadium - Total | 9-1 | mg/l | 1 | | | 1000 | | - | | |
| Zinc - Total | C | mg/i | 0.02 | LT | 0.02 | LT | 0.0447 | | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

| - WA100- | Class GA | Long | Jan | 1-21 | Ap | r-21 | Ju | 11-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|-------|-------------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - 14 | mg/l | 330 | - | _ | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | | | | | | |
| Ammonia | 2 | mg/l | 0.1 | LT | | - 1 | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 1 | mg/l | 0.144 | | | - 1 | | | | |
| Bromide | | mg/l | 1 | LT | | - 1 | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | - 1 | | | | |
| Calcium - Total | | mg/l | 188 | | | - 1 | | | | |
| Chloride | 250 | mg/l | 4.7 | | | - 1 | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | - 1 | | | | |
| Conductivity | | UMHO/CM | 1345 | 1 | | - 1 | | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | | | | | | |
| Eh | 1-2 | VOLTS | 106 | | | | | | | |
| F2 | 1.5 | mg/l | 0.35 | | | | | | | |
| Hardness | 1200 | | | | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Alex O | cannot | Mail | Contract of | Kisto | and a |
| Lithium - Total | - | mg/l | 0.1 | LT | NOT S | ampled | NOI S | ampled | NOT 3 | ampled |
| Magnesium - Total | | mg/l | 62.8 | | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.015 | LT | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | - 1 | | | | |
| Molybdenum - Total | - | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.2 | | | | | | | |
| Potassium - Total | | mg/l | 5 | LT | | | | | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT. | | - 1 | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 10.6 | | | | | | | |
| Strontium - Total | - | mg/l | 0.255 | | | | | | | |
| Sulfate | 250 | mg/l | 412 | | | | | | | |
| Temperature | | Deg. C. | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 1050 | | | | | | | |
| Turbidity | 5 | NTU | 1.1 | | | | | | | |
| Vanadium - Total | | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | | | | | | |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

| - W 6 (A 3 8 P) | Class GA | Land | Jai | 1-21 | Ap | r-21 | Ju | 11-21 | Oc | 1-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|-----------|-------|-------------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - 14 | mg/l | 420 | | - | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | | | | (| | |
| Ammonia | 2 | mg/l | 0.1 | LT | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 1 | mg/l | 1.98 | | | | | | | |
| Bromide | - | mg/l | 1 | LT | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | | mg/l | 291 | | | | | | | |
| Chloride | 250 | mg/l | 42.4 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | 1 40 11 | UMHO/CM | 2065 | | | | | | | |
| Copper - Total | 0.2 | mg/t | 0.025 | LT | | | | | | |
| Eh | 12/11/ | VOLTS | 112 | | | | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | | | | | | |
| Hardness | 1200 | | 10.00 | | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.174 | | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Alex C | Carried . | Mail | Contract of | KIA D | and a |
| Lithium - Total | - | mg/l | 0.1 | LT | NOT S | ampled | NOI S | ampled | NOT 2 | ampled |
| Magnesium - Total | | mg/l | 95.7 | | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.0655 | | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | - | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.0 | | | | | | | |
| Potassium - Total | | mg/l | 5 | LT | | | | | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 30.4 | | | | | | | |
| Strontium - Total | - | mg/l | 0.709 | - + | | | | | | |
| Sulfate | 250 | mg/l | 812 | | | | | | | |
| Temperature | - | Deg. C. | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 1630 | | | | | | | |
| Turbidity | 5 | NTU | 3.8 | | | | | | | |
| Vanadium - Total | | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | | | | | | |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

| - e : 5 (A) 5 (A) | Class GA | Cara | Jai | 1-21 | Ap | r-21 | Ju | 11-21 | Oc | 1-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|-----------|-------|-------------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 290 | | _ | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | | | | (| | |
| Ammonia | 2 | mg/l | 0.2 | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 1 | mg/l | 1.17 | | | | | | | |
| Bromide | - | mg/l | 1 | LT | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | | mg/l | 357 | | | | | | | |
| Chloride | 250 | mg/l | 38.4 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | 1 20 1 | UMHO/CM | 2460 | | | | | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | | | | | | |
| Eh | 12/11/ | VOLTS | 117 | | | | | | | |
| F2 | 1.5 | mg/l | 0.21 | | | | | | | |
| Hardness | 1= | | 7 | | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Alex O | Carried . | Mail | Contract of | KIA D | - Tales |
| Lithium - Total | - | mg/l | 0.1 | LT | NOL 2 | ampled | NOI S | ampled | NOT 2 | ampled |
| Magnesium - Total | | mg/l | 134 | 1 | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.0296 | | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | - | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.1 | E | | | | | | |
| Potassium - Total | | mg/l | 5 | LT | | | | | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 47.5 | | | | | | | |
| Strontium - Total | - | mg/l | 0.841 | | | | | | | |
| Sulfate | 250 | mg/l | 1230 | | | | | | | |
| Temperature | | Deg. C. | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 2160 | | | | | | | |
| Turbidity | 5 | NTU | 0.3 | | | | | | | |
| Vanadium - Total | | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | | | | | | |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

| - # 5 haby | Class GA | Carall | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|-------|------------------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - 14 | mg/l | 300 | 1 | _ | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | | | | | | |
| Ammonia | 2 | mg/l | 0.1 | LT | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 1 | mg/l | 0.882 | | | | | | | |
| Bromide | | mg/l | 1 | LT | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | - 1 | | |
| Calcium - Total | | mg/l | 584 | | | | | | | |
| Chloride | 250 | mg/l | 10.3 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | | UMHO/CM | 2365 | 000 | | | | | | |
| Copper - Total | 0.2 | mg/t | 0.025 | LT | | | | | | |
| Eh | 12/11/ | VOLTS | 157 | | | | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | | | | | | |
| Hardness | 12/10/11 | | | - | | | | - 1 | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Alex O | Constant | No. | and the state of | MAR | and a |
| Lithium - Total | - | mg/l | 0.1 | LT | NOL S | ampled | NOI S | ampled | NOT 2 | ampled |
| Magnesium - Total | | mg/l | 66.1 | | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.015 | LT | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | - | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8,5 | SU | 7.0 | | | | | | | |
| Potassium - Total | | mg/l | 5 | LT | | | | - 1 | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 25.2 | | | | | | | |
| Strontium - Total | - | mg/l | 0.693 | | | | | | | |
| Sulfate | 250 | mg/l | 1210 | | | | | | | |
| Temperature | | Deg. C. | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 2140 | | | | | | | |
| Turbidity | 5 | NTU | 2.1 | | | | | | | |
| Vanadium - Total | | mg/l | 0.05 | LT | | | | - 1 | | |
| Zinc - Total | | mg/l | 0.02 | LT | | | | | | |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.

| = 2/A207 | Class GA | Larry | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|--------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 14 | mg/l | 240 | | 260 | | 250 | | 144 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.6 | | 0.4 | | 0.6 | | 1.7 | |
| Arsenic - Total | 0.025 | mg/l | 0.04 | | 0.067 | 110 | 0.0348 | 1 | 0.0339 | |
| Boron - Total | 1 | mg/l | 0.171 | | 0.166 | | 0.181 | | 0.176 | |
| Bromide | | mg/l | 4.38 | | 4.22 | | 4.06 | | 4.63 | |
| Cadmium - Total | 0.005 | mg/f | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 112 | | 119 | | 120 | | 116 | |
| Chloride | 250 | mg/l | 472 | | 499 | | 519 | | 513 | 11.31 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 200 | UMHO/CM | 2020 | | 2085 | | 2140 | | 2125 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT . | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | 17100 | | -3 | | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Hardness | - | mg/l | 200 | | 882 | | | | | 1000 |
| Iron - Total | 0.3 | mg/l | 0.923 | | 1.77 | | 0.83 | | 0.76 | |
| Lead - Total | 0.025 | mg/l | 0.003 | - LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | - | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Magnesium - Total | | mg/l | 134 | | 142 | | 136 | | 135 | |
| Manganese - Total | 0.3 | mg/l | 0.0406 | | 0.0407 | | 0.0445 | | 0.0434 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.5 | | 7.4 | 1 | 7.4 | | 7.4 | |
| Potassium - Total | | mg/l | 12.4 | | 12.7 | 4 | 11.8 | | 13.6 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 75.6 | | 79.2 | | 70.9 | | 81.6 | |
| Strontium - Total | 7 | mg/l | 3.66 | | 3.81 | | 3.97 | | 3.88 | |
| Sulfate | 250 | mg/l | 66.5 | | 70.3 | | 70.9 | | 69.5 | |
| Temperature | | Deg. C | | | 12 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 1160 | | 1230 | | 1100 | | 1930 | |
| Turbidity | 5 | NTU | 1.5 | | 4.8 | | 1.6 | | 1.3 | |
| Vanadium - Total | - 2 | mg/l | | | | 1000 | 14.4 | | - 7 | |
| Zinc - Total | Carrage I | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

— = No Class GA guidance value or standard exists.
shaded cells indicate exceedence of the Class GA Groundwater Standard

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

| W NAVARA | Class GA | Course I | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | 1-21 |
|------------------------|------------------------------|----------|----------------------|----------|--------|----------|--------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 290 | | 290 | | 400 | | 320 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.2 | | 0.2 | LT | 0,1 | LT | 0.4 | |
| Arsenic - Total | 0.025 | mg/l | 0.0175 | | 0.0121 | | 0.0141 | - 6.50 | 0.0257 | |
| Boron - Total | 1 | mg/l | 0.229 | | 0.227 | | 0.229 | | 0.209 | |
| Bromide | | mg/l | 1 | LT | 1 | LT | 1.1 | LT | 1 | LT |
| Cadmium - Total | 0.005 | mg/f | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | - | mg/l | 28.9 | | 30.8 | | 32.3 | | 28 | |
| Chloride | 250 | mg/l | 45.5 | | 46.5 | | 50.7 | | 37.1 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.0103 | | 0.01 | LT | 0.01 | LT |
| Conductivity | 40.00 | UMHO/CM | 750 | | 825 | | 790 | | 785 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | 100 | | 90 | | | | | |
| F2 | 1.5 | mg/l | 0.31 | | 0.4 | | 0.33 | | 0.3 | |
| Hardness | - | mg/l | 1.30 | - | 311 | | | | | |
| Iron - Total | 0.3 | mg/l | 0.594 | | 0.107 | | 0.173 | | 0.336 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | - | mg/l | 0.1 | LT | 0.1 | LT | 0.344 | | 0.352 | |
| Magnesium - Total | | mg/l | 53.4 | | 56.7 | | 53.1 | | 58.6 | |
| Manganese - Total | 0.3 | mg/l | 0.0241 | | 0.0194 | | 0.015 | LT | 0.0287 | |
| Mercury - Total | 0.0007 | mg/l | | - | 0.0002 | LT | | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.9 | | 7.8 | | 7.9 | | 7.9 | |
| Potassium - Total | | mg/l | 7.97 | | 8.13 | | 7.23 | 1 | 7.87 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 49.6 | | 51.2 | | 48.9 | | 46.3 | |
| Strontium - Total | | mg/l | 1.71 | | 1.8 | | 1.77 | | 1.97 | |
| Sulfate | 250 | mg/l | 41.7 | | 44.6 | | 43.5 | | 42.4 | |
| Temperature | - | Deg. C | | | 11 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 495 | | 430 | | 430 | | 485 | |
| Turbidity | 5 | NTU | 6.9 | 111 | 7.6 | | 8.0 | | 18.0 | |
| Vanadium - Total | | mg/l | | | | | | | | |
| Zinc - Total | COLUMN TO THE REAL PROPERTY. | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

⁽¹⁾ Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1,1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| - W 5/A25 | Class GA | Lace | Jan | 1-21 | Ap | r-21 | Ju | I-21 | 00 | 1-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|---------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 300 | | 280 | | 230 | | 268 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LŤ | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.1 | LT | 0.2 | LT | 0.4 | | 0.7 | |
| Arsenic - Total | 0.025 | mg/l | 0.0091 | J | 0.01 | LT | 0.0108 | | 0.012 | |
| Boron - Total | 1 | mg/l | 0.108 | | 0.0836 | | 0.289 | | 0.345 | |
| Bromide | | mg/l | 1 | LT | 1 | LT | 1.6 | | 2.32 | |
| Cadmium - Total | 0.005 | mg/f | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | - | mg/l | 124 | | 117 | | 73.7 | | 79.3 | = = = |
| Chloride | 250 | mg/l | 75.1 | | 70.6 | | 205 | | 232 | 100 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 200 | UMHO/CM | 1235 | 200 | 1082 | | 1260 | | 1355 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-1 | VOLTS | Production of | | 77 | | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.2 | LT | 0.48 | | 0.31 | |
| Hardness | - | mg/l | 100 | | 555 | | 5 7 6 | 15 700 | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Lead - Total | 0.025 | mg/l | 0.003 | - LT | 0.003 | LT | 0.00532 | | 0.003 | LT |
| Lithium - Total | 7-7 | mg/l | 0.221 | | 0.287 | | 0.1 | LT | 0.1 | LT |
| Magnesium - Total | | mg/l | 74.2 | | 63.7 | | 66.3 | | 73.1 | |
| Manganese - Total | 0.3 | mg/l | 0.015 | LT | 0.015 | LT | 0.015 | LT | 0.0445 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | - | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.5 | | 7.5 | | 7.6 | | 7.6 | |
| Potassium - Total | - | mg/l | 5 | LT | 5 | LT | 10.4 | - 5 | 13.4 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | 1.00 | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 38.2 | | 29.5 | | 82.8 | | 92 | |
| Strontium - Total | - | mg/l | 1.13 | 1 | 0.639 | | 2.72 | | 2.98 | |
| Sulfate | 250 | mg/l | 213 | | 188 | | 43.2 | | 61.2 | |
| Temperature | - | Deg. C | | | 12 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 825 | | 900 | | 700 | | 2780 | |
| Turbidity | 5 | NTU | 2.2 | | 2.4 | | 1.7 | | 0.6 | |
| Vanadium - Total | - S | mg/l | | | | | | | | |
| Zinc - Total | Carry Carl | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| W 1000 | Class GA | Long | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | 1-21 |
|------------------------|-----------------------------|---------|----------------------|----------|---------|----------|--------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 470 | | 490 | | 500 | | 530 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0,2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.2 | | 0.2 | | 0,2 | - | 0.2 | |
| Arsenic - Total | 0.025 | mg/l | 0.00564 | J | 0.00322 | J | 0.0107 | | 0.0128 | |
| Boron - Total | 1 | mg/l | 0.0889 | | 0.0925 | | 0.0976 | | 0.0773 | |
| Bromide | | mg/l | 2.73 | | 1.67 | | 1.5 | | 1.52 | |
| Cadmium - Total | 0.005 | mg/f | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | - | mg/l | 169 | | 162 | | 150 | | 163 | |
| Chloride | 250 | mg/l | 229 | | 154 | | 167 | | 135 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 200 | UMHO/CM | 1925 | | 1810 | | 1695 | | 1500 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-2 | VOLTS | I make | | 4 | | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.2 | LT | 0.25 | | 0.24 | |
| Hardness | - | mg/l | 19.54 | | 766 | 1 | 1.79 | - 1 | | |
| Iron - Total | 0.3 | mg/l | 1.89 | | 1,86 | | 2.27 | | 2.42 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.0056 | | 0.003 | LT |
| Lithium - Total | - | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Magnesium - Total | | mg/l | 92.3 | | 87.8 | | 74.1 | | 78.4 | |
| Manganese - Total | 0.3 | mg/l | 0.219 | | 0.162 | | 0.12 | | 0.3 | |
| Mercury - Total | 0.0007 | mg/l | | - | 0.0002 | LT | - | | | |
| Molybdenum - Total | - | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.2 | | 7.1 | | 7.1 | | 7.0 | |
| Potassium - Total | | mg/l | 8.47 | | 8.24 | | 7.38 | 3 | 7.1 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | 17 | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 70.7 | | 67.8 | | 60.8 | | 60.9 | |
| Strontium - Total | - | mg/l | 1.77 | | 1.7 | | 1.58 | | 1.41 | |
| Sulfate | 250 | mg/l | 151 | | 145 | | 129 | | 135 | |
| Temperature | | Deg. C | | | 10 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 1090 | 3 | 965 | | 1010 | | 765 | |
| Turbidity | 5 | NTU | 24.0 | | 27.0 | | 14.0 | | 5.6 | |
| Vanadium - Total | | mg/l | | | | - | | 1 | | |
| Zinc - Total | CONTRACTOR | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1,1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| 910W2001 | Class GA | Cara | Jan | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|---------|----------|---------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 14 | mg/l | 330 | | 340 | | 330 | | 340 | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.1 | LT | 0.2 | LT | 0.1 | LT | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | 0.01 | LT | 0.00346 | J | 0.00758 | J |
| Boron - Total | 1 | mg/l | 0,223 | | 0,151 | | 0.219 | | 0.226 | |
| Bromide | | mg/l | 3.85 | | 2.37 | | 3.8 | | 4.63 | |
| Cadmium - Total | 0.005 | mg/t | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 310 | | 242 | | 305 | | 308 | |
| Chloride | 250 | mg/l | 408 | | 292 | | 465 | 1 | 493 | 1.31 |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.012 | | 0.01 | LT | 0.01 | LT |
| Conductivity | 200 | UMHO/CM | 2470 | 1000 | 2010 | | 2275 | | 2595 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | 1-1-1 | VOLTS | | | 102 | | | - 10 | 5.00 | |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.26 | |
| Hardness | - | mg/l | PAN | | 992 | | | | 100 | |
| Iron - Total | 0.3 | mg/l | 0.505 | | 0.159 | | 0.236 | | 0.309 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.00308 | | 0.003 | LT |
| Lithium - Total | - | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.125 | |
| Magnesium - Total | | mg/l | 109 | | 94.1 | | 103 | | 106 | |
| Manganese - Total | 0.3 | mg/l | 0.0409 | | 0.0224 | | 0.0539 | | 0.0457 | |
| Mercury - Total | 0.0007 | mg/l | | - | 0.0002 | LT | | - | | |
| Molybdenum - Total | _ | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.2 | | 7.1 | | 7.0 | - | 7.1 | |
| Potassium - Total | _ | mg/l | 9.29 | | 7,14 | | 9.11 | | 10.3 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 98.9 | | 63.3 | | 94.6 | | 95.9 | |
| Strontium - Total | - | mg/l | 2.34 | | 1.92 | | 2.65 | | 2.38 | |
| Sulfate | 250 | mg/l | 280 | | 226 | | 217 | | 319 | |
| Temperature | - | Deg. C | | | 11 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 1580 | 3 | 1200 | | 1530 | | 1490 | |
| Turbidity | 5 | NTU | 16.0 | | 18.0 | | 15.0 | | 18.0 | |
| Vanadium - Total | 2 | mg/l | 11 | | 1 | 1 | | 12 | | - 01 |
| Zinc - Total | CALL THE L | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LŤ | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1,1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| | Class GA | 100 m | Ja | n-21 | Ap | r-21 | Ji | 11-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|-------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 88 | | | | | | | |
| Aluminum - Total | - | mg/l | 0.2 | LT | | | | | | |
| Ammonía | 2 | mg/l | 8.3 | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 1 | mg/l | 2.15 | | | | | | | |
| Bromide | - | mg/l | 91.7 | | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | | mg/l | 1740 | | | | | | | |
| Chloride | 250 | mg/l | 8130 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | 200 | UMHO/CM | 23220 | 4 | | | | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | | | | | | |
| Eh | _ | VOLTS | | | | | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | | | | | | |
| Hardness | 11 | mg/l | | | | | | | | |
| Iron - Total | 0,3 | mg/l | 7.05 | | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | No. | ampled | Make | ampled | Neto | ampled |
| Lithium - Total | | mg/l | 5.65 | - X | NOT S | ampied | NOT S | ampied | NOT S | ampied |
| Magnesium - Total | | mg/l | 500 | LT | | | | | | |
| Manganese - Total | 0.3 | mg/l | 1.39 | | | | | | | |
| Mercury - Total | 0.0007 | mg/l | | | | | | | | |
| Molybdenum - Total | | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.1 | | | | | | | |
| Potassium - Total | - | mg/l | 500 | LT | | | | | | |
| Selenium - Total | 0.01 | mg/l | | - | | | | | | |
| Silver - Total | 0.05 | mg/l | Towns I. | | | | | | | |
| Sodium - Total | 20 | mg/l | 3020 | 1 | | | | | | |
| Strontium - Total | - | mg/l | 32.2 | | | | | | | |
| Sulfate | 250 | mg/l | 1790 | 1 | | | | | | |
| Temperature | - | Deg. C | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 17400 | | | | | | | |
| Turbidity | 5 | NTU | 11 | | | | | | | |
| Vanadium - Total | - | mg/l | n 14- 45 | | | | | | | |
| Zinc - Total | - | mg/l | 0.02 | LT | | | | | | |

shaded cells indicate exceedence of the Class GA Groundwater Standard

Notes:

11) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

A blank cell in the "Value" column indicates the analysis was not performed.
 No Class GA guidance value or standard exists.

| | Class GA | | Ja | 1-21 | Ap | r-21 | Ju | 1-21 | Oc | 1-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|-------|----------|---------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 20 | | 22 | | 20 | | 18 | |
| Aluminum - Total | - | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 13.1 | | 12.6 | | 13.7 | | 15.1 | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.00349 | J |
| Boron - Total | 1 | mg/l | 2.62 | | 2.47 | | 2.49 | | 2.32 | |
| Bromide | - | mg/l | 168 | | 160 | | 185 | | 176 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LŢ | 0.005 | LT |
| Calcium - Total | _ | mg/l | 2860 | | 2770 | | 2900 | | 2680 | |
| Chloride | 250 | mg/l | 16600 | | 15800 | | 16600 | | 16000 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | | UMHO/CM | 39550 | | 39230 | 7 - 1 | 40320 | | 40600 | |
| Copper - Total | 0,2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | - | VOLTS | | | 33 | | - | 1 | | |
| F2 | 1,5 | mg/l | 0.5 | LT | 0.5 | LT | 0.5 | LT | 0.5 | LT |
| Hardness | | mg/l | | | 8649 | | | (| | |
| Iron - Total | 0.3 | mg/l | 0.995 | 7 7 7 7 | 0.8 | | 3.26 | | 3 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | | mg/l | 7.91 | 10000 | 9.9 | | 8.52 | | 7.81 | |
| Magnesium - Total | - | mg/l | 500 | LT | 500 | LT | 500 | LT | 500 | LT |
| Manganese - Total | 0.3 | mg/l | 2.01 | | 1.85 | | 2.11 | 1 | 1.93 | |
| Mercury - Total | 0.0007 | mg/l | | 1 1 | 0.0002 | LT | | | | - 2 |
| Molybdenum - Total | | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | 6.9 | | 6.7 | De 75.47 | 7.1 | | 7.1 | |
| Potassium - Total | | mg/l | 500 | LT | 500 | LT | 500 | LT | 500 | LT |
| Selenium - Total | 0,01 | mg/l | 1 | - | 0.005 | LT | - | - 1 | + - + | |
| Silver - Total | 0.05 | mg/l | 100 | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 5340 | 1 100 | 5470 | | 5070 | - | 5770 | |
| Strontium - Total | | mg/l | 94.6 | | 88.8 | | 95.8 | | 87.3 | |
| Sulfate | 250 | mg/l | 1110 | 8 10 7 | 1090 | | 1010 | | 1020 | |
| Temperature | | Deg. C | | 7 - 3 | 12 | | | | | |
| Total Dissolved Solids | 500 | mg/l | 27000 | 1 | 29200 | | 27200 | | 24000 | |
| Turbidity | 5 | NTU | 8.6 | | 12.0 | | 5.0 | | 5.9 | |
| Vanadium - Total | | mg/l | | | | | 7.5 | | | 1000 |
| Zinc - Total | - | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed. — = No Class GA guidance value or standard exists. shaded cells indicate exceedence of the Class GA Groundwater Standard

| 7 1 20 27 27 27 | Class GA | 1000 m | Ja | n-21 | Ap | r-21 | Ju | 11-21 | 00 | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|-------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 68 | | | | | | | |
| Aluminum - Total | - | mg/l | 0.2 | LT | | | | | | |
| Ammonia | 2 | mg/l | 4 | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 1 | mg/l | 1.83 | | | | | | | |
| Bromide | - | mg/l | 116 | | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | | mg/l | 1890 | | | | | | | |
| Chloride | 250 | mg/l | 10500 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | | UMHO/CM | 27870 | | | | | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | | | | | | |
| Eh | - | VOLTS | 444 | | | | | | | |
| F2 | 1.5 | mg/l | 2.45 | | | | | | | |
| Hardness | 1 | mg/l | de la de | | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | ET | Not 0 | ampled | No. | ampled | Note | ampled |
| Lithium - Total | - | mg/l | 6.02 | | NOI S | ampieu | NOL S | ampieu | NOUS | ampieu |
| Magnesium - Total | the second | mg/l | 500 | LT | | H | | | | |
| Manganese - Total | 0.3 | mg/l | 0.207 | | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.3 | | | | | | | |
| Potassium - Total | - | mg/l | 500 | LT | | | | | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | - 0 | | |
| Sodium - Total | 20 | mg/l | 3330 | | | | | | | |
| Strontium - Total | - | mg/l | 43.2 | | | | | | | |
| Sulfate | 250 | mg/l | 690 | | | | | | | |
| Temperature | - | Deg. C | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 24100 | | | | | | | |
| Turbidity | 5 | NTU | 3.5 | | | | | | | |
| Vanadium - Total | - | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | | | | | | |

shaded cells indicate exceedence of the Class GA Groundwater Standard

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

| 2.000 | Class GA | 100 | Ja | n-21 | Ap | r-21 | Jı | 11-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|-------|-----------------|-------|------------|-------|-----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 60 | | | | | | | |
| Aluminum - Total | - | mg/l | 0.2 | LT | | | | | | |
| Ammonia | 2 | mg/l | 4.9 | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 4 | mg/l | 2.41 | | | | | | | |
| Bromide | - | mg/l | 127 | | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | _ | mg/l | 2830 | | | | | | | |
| Chloride | 250 | mg/l | 11700 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | | UMHO/CM | 37210 | | | | | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | | | | | | |
| Eh | - | VOLTS | 194 | | | | | | | |
| F2 | 1.5 | mg/l | 0.5 | LT | | | | | | |
| Hardness | 1 | mg/l | - | | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Make | and the same of | 41-10 | Secondard. | Make | Carried 1 |
| Lithium - Total | | mg/l | 8.65 | 7.7 | Not 5 | ampled | NOT S | Sampled | Not S | ampled |
| Magnesium - Total | - | rng/l | 562 | | | 1 | | | | |
| Manganese - Total | 0.3 | mg/l | 0.63 | | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.1 | | | | | | | |
| Potassium - Total | _ | mg/l | 500 | LT | | | | | | |
| Selenium - Total | 0,01 | mg/l | 0.005 | - LT | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 3950 | | | | | | | |
| Strontium - Total | - | mg/l | 75.5 | | | | | | | |
| Sulfate | 250 | mg/l | 1010 | | | | | | | |
| Temperature | | Deg. C | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 28600 | | | | | | | |
| Turbidity | 5 | NTU | 6.9 | | | | | | | |
| Vanadium - Total | - | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | | mg/l | 0.02 | LT | | | | | | |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed. — = No Class GA guidance value or standard exists. shaded cells indicate exceedence of the Class GA Groundwater Standard

| 4.000 | Class GA | 100 | Ja | n-21 | Ap | r-21 | Ju | 11-21 | Oc | :1-21 |
|------------------------|-----------------------------|---------|----------------------|----------|-------|----------|-------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 76 | | | | | | | |
| Aluminum - Total | - | mg/l | 0.2 | LT | | | | | | |
| Ammonia | 2 | mg/l | 1.6 | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 1 | mg/l | 3.56 | | | | | | | |
| Bromide | - | mg/l | 3.8 | | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | - | mg/l | 78.5 | | | | | | | |
| Chloride | 250 | mg/l | 359 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | - | UMHO/CM | 2650 | | | | | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | | | | | | |
| Eh | - | VOLTS | 34 | | | | | | | |
| F2 | 1,5 | mg/l | 1.04 | | | | | | | |
| Hardness | | mg/l | | | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Not S | ampled | Not S | Sampled | Not S | ampled |
| Lithium - Total | | mg/l | 0.1 | LT | NOT 3 | ampieu | NOLS | ampieu | 1401 3 | ampieu |
| Magnesium - Total | - | mg/l | 17.4 | | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.0568 | Y | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.9 | | | | | | | |
| Potassium - Total | | mg/l | 30.4 | | | | | | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 487 | 100 | | | | | | |
| Strontium - Total | - | mg/l | 3.25 | | | | | | | |
| Sulfate | 250 | mg/l | 674 | B | | | | | | |
| Temperature | | Deg. C | 1-17 | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 1760 | | | | | | | |
| Turbidity | 5 | NTU | 0.8 | | | | | | | |
| Vanadium - Total | - | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | - | mg/l | 0.02 | LT | | | | | | |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed. — = No Class GA guidance value or standard exists. shaded cells indicate exceedence of the Class GA Groundwater Standard

| 74.00.00 | Class GA | | Ja | n-21 | Ap | r-21 | Ju | 11-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|--------|----------|---------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 290 | | 280 | | 310 | | 300 | |
| Aluminum - Total | - | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.1 | LT | 0.2 | LT | 0.1 | LT | 0.1 | LT |
| Arsenic - Total | 0.025 | mg/l | 0.00424 | J | 0.01 | LT | 0.01 | LT | 0.00602 | J |
| Boron - Total | 1 | mg/l | 0.444 | | 0.499 | | 0.56 | | 0.551 | |
| Bromide | - | mg/l | 1 | ET | 1.48 | | 4.28 | | 1 | LT |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LŤ |
| Calcium - Total | _ | mg/l | 317 | | 345 | | 386 | | 449 | |
| Chloride | 250 | mg/l | 103 | | 162 | | 414 | | 91.4 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | | UMHO/CM | 1810 | | 1950 | | 2545 | | 1910 | |
| Copper - Total | 0,2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | - | VOLTS | 1 | T | 82 | | 1 | | | |
| F2 | 1.5 | mg/l | 0.26 | | 0.2 | LT | 0.2 | LT | 0.25 | |
| Hardness | - | mg/l | | - | 1110 | - 1 | | 0 | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Lead - Total | 0.025 | mg/l | 0,003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | | mg/l | 0.163 | 77.77 | 0.436 | | 0.1 | LT | 0.208 | |
| Magnesium - Total | | rng/l | 57.6 | - | 60.4 | | 82.9 | | 54.9 | - 0 |
| Manganese - Total | 0.3 | mg/l | 0.0196 | | 0.0336 | | 0.0411 | | 0.015 | LT |
| Mercury - Total | 0.0007 | mg/l | | 100 | 0.0002 | LT | | | | - 7 |
| Molybdenum - Total | | mg/l | | 9 | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.1 | | 7.1 | | 7.0 | | 7.1 | |
| Potassium - Total | | mg/l | 5 | LT | 5 | LT | 6.44 | | 5 | LT |
| Selenium - Total | 0,01 | mg/l | - | | 0.005 | LT | | / | 16 - | |
| Silver - Total | 0.05 | mg/l | 1 -00 11 | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 38.1 | 1 1 1 | 50 | LT | 83.4 | 11- | 32.5 | |
| Strontium - Total | | mg/l | 0.888 | | 1.12 | | 1.69 | 10 | 0.741 | |
| Sulfate | 250 | mg/l | 669 | | 657 | | 537 | | 705 | |
| Temperature | | Deg. C | Lie II | | 11 | 12 | | | | |
| Total Dissolved Solids | 500 | mg/l | 1580 | | 1510 | | 1670 | 14 410 | 4690 | |
| Turbidity | 5 | NTU | 6.3 | | 3.3 | | 12.0 | | 1.0 | |
| Vanadium - Total | | mg/l | | | | | | | 1000 | |
| Zinc - Total | - | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed. — = No Class GA guidance value or standard exists. shaded cells indicate exceedence of the Class GA Groundwater Standard

| 10000 | Class GA | 1650.5 | Jai | n-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|-------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 310 | | | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | | | | | | |
| Ammonia | 2 | mg/l | 0.1 | LT | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 4 | mg/l | 0.185 | | | | | | | |
| Bromide | - | mg/l | 1.89 | | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | _ | mg/l | 110 | | | | | | | |
| Chloride | 250 | mg/l | 192 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | | UMHO/CM | 1440 | | | | | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | | | | | | |
| Eh | - | VOLTS | 161 | | | | | | | |
| F2 | 1.5 | mg/l | 0.37 | | | | | | | |
| Hardness | - | mg/l | | | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Mat C | ampled | Make | ampled | Mat C | ampled |
| Lithium - Total | | mg/l | 0.1 | LT | NOI 9 | ampled | NOT 5 | ampied | NOT S | ampieo |
| Magnesium - Total | | rng/l | 64.1 | | | 700 | | | | |
| Manganese - Total | 0.3 | mg/l | 0.0232 | | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | 2 | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.3 | | | | | | | |
| Potassium - Total | | mg/l | 9.97 | | | | | | | |
| Selenium - Total | 0,01 | mg/l | 0.005 | LT | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 71.2 | - | | | | | | |
| Strontium - Total | | mg/l | 2.11 | | | | | | | |
| Sulfate | 250 | mg/l | 144 | | | | | | | |
| Temperature | | Deg. C | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 905 | | | | | | | |
| Turbidity | 5 | NTU | 3.9 | | | | | | | |
| Vanadium - Total | | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | - | mg/l | 0.02 | LT | | | | | | |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed. — = No Class GA guidance value or standard exists. shaded cells indicate exceedence of the Class GA Groundwater Standard

| 5.05.7. | Class GA | 1150.5 | Ja | n-21 | Ap | r-21 | Jı | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|-------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 350 | | | | | | | |
| Aluminum - Total | - | mg/l | 0.2 | LT | | | | | | |
| Ammonia | 2 | mg/l | 0.1 | LT | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 1 | mg/l | 0.146 | | | | | | | |
| Bromide | - | mg/l | 1 | LT | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | _ | mg/l | 92.1 | | | | | | | |
| Chloride | 250 | mg/l | 51.7 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | | UMHO/CM | 1065 | | | | | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | | | | | | |
| Eh | - | VOLTS | 158 | | | | | | | |
| F2 | 1.5 | mg/l | 0.42 | | | | | | | |
| Hardness | | mg/l | | | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | | | | | | |
| Lead - Total | 0.025 | mg/l | 0,003 | LT | Mat C | ampled | Make | ampled | Mat C | ampled |
| Lithium - Total | | mg/l | 0.1 | LT | NOI 9 | ampled | NOLS | ampied | NOT S | ampieo |
| Magnesium - Total | | rng/l | 59.1 | | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.015 | LT | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | 2 | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.4 | | | | | | | |
| Potassium - Total | | mg/l | 5.86 | | | | | | | |
| Selenium - Total | 0,01 | mg/l | 0.005 | LT - | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 45.8 | | | | | | | |
| Strontium - Total | | mg/l | 1.16 | | | | | | | |
| Sulfate | 250 | mg/l | 108 | 1 | | | | | | |
| Temperature | | Deg. C | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 495 | | | | | | | |
| Turbidity | 5 | NTU | 0.4 | | | | | | | |
| Vanadium - Total | - | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | - | mg/l | 0.02 | LT | | | | | | |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed. — = No Class GA guidance value or standard exists. shaded cells indicate exceedence of the Class GA Groundwater Standard

| A 12.4 | Class GA | 700 | Ja | n-21 | Ap | or-21 | Ju | 11-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|-------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 320 | | | | | | | |
| Aluminum - Total | - | mg/l | 0.2 | LT | | | | | | |
| Ammonia | 2 | mg/l | 0.1 | LT | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 1 | mg/l | 0.0774 | | | | | | | |
| Bromide | - | mg/l | 1 | LT | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | - | mg/l | 117 | | | | | | | |
| Chloride | 250 | mg/l | 19.2 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | | UMHO/CM | 1005 | | | | | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | | | | | | |
| Eh | - | VOLTS | 72 | | | | | | | |
| F2 | 1.5 | mg/l | 0.4 | | | | | | | |
| Hardness | - | mg/l | | | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.353 | | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | Not C | amalad | Make | ampled | Mat C | ampled |
| Lithium - Total | | mg/l | 0.1 | LT | NOT 5 | ampled | NOLS | ampied | NOT S | ampieo |
| Magnesium - Total | | rng/l | 54 | | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.0893 | 7 | | | | | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | | | | | | |
| Molybdenum - Total | | mg/l | 0.05 | LT | | | | | | |
| pH | 6.5 to 8.5 | SU | 7.3 | | | | | | | |
| Potassium - Total | | mg/l | 5 | LT | | | | | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | | | | | | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Sodium - Total | 20 | mg/l | 22.1 | | | | | | | |
| Strontium - Total | | mg/l | 0.75 | | | | | | | |
| Sulfate | 250 | mg/l | 195 | | | | | | | |
| Temperature | | Deg. C | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 690 | | | | | | | |
| Turbidity | 5 | NTU | 1.6 | | | | | | | |
| Vanadium - Total | - | mg/l | 0.05 | LT | | | | | | |
| Zinc - Total | - | mg/l | 0.02 | LT | | | | | | |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed. — = No Class GA guidance value or standard exists. shaded cells indicate exceedence of the Class GA Groundwater Standard

| | Class GA | 1000 | Jai | n-21 | Ap | or-21 | Ju | 11-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|-------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 310 | | | | | | | |
| Aluminum - Total | - | mg/l | 0.2 | LT | | | | | | |
| Ammonia | 2 | mg/l | 0.1 | LT | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | | | | | | |
| Boron - Total | 1 | mg/l | 0.313 | 120 | | | | | | |
| Bromide | - | mg/l | 1 | LT | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | | | | | | |
| Calcium - Total | _ | mg/l | 196 | | | | | | | |
| Chloride | 250 | mg/l | 3.71 | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | | | | | | |
| Conductivity | | UMHO/CM | 1130 | | | | | | | |
| Copper - Total | 0.2 | mg/l | 0.028 | | | | | | | |
| Eh | _ | VOLTS | | | | | | | | |
| F2 | 1.5 | mg/l | 0.47 | | | | | | | |
| Hardness | | mg/l | | | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.154 | | | | | | | |
| Lead - Total | 0.025 | mg/l | 0.00459 | | Not C | ampled | Make | ampled | Not 0 | ampled |
| Lithium - Total | | mg/l | 0.1 | LT | NOT 5 | ampleo | Not S | ampied | NOT S | ampieu |
| Magnesium - Total | | rng/l | 28.6 | | | - 1 | | | | |
| Manganese - Total | 0.3 | mg/l | 0.015 | LT | | | | | | |
| Mercury - Total | 0.0007 | mg/l | V | | | | | | | |
| Molybdenum - Total | 2 | mg/l | | | | | | | | |
| pH | 6.5 to B.5 | SU | 6.9 | | | | | | | |
| Potassium - Total | _ | mg/l | 5 | LT | | | | | | |
| Selenium - Total | 0,01 | mg/l | 1000 | | | | | | | |
| Silver - Total | 0.05 | mg/l | | | | | | | | |
| Sodium - Total | 20 | mg/l | 12.4 | | | | | | | |
| Strontium - Total | | mg/l | 0.498 | | | | | | | |
| Sulfate | 250 | mg/l | 315 | | | | | | | |
| Temperature | | Deg. C | A comment | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | 890 | | | | | | | |
| Turbidity | 5 | NTU | 8.6 | | | | | | | |
| Vanadium - Total | _ | mg/l | VIII W | | | | | | | |
| Zinc - Total | - | mg/l | 0.02 | LT | | | | | | |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed. — = No Class GA guidance value or standard exists. shaded cells indicate exceedence of the Class GA Groundwater Standard

| A 2000 | Class GA | | Jan | n-21 | Ap | r-21 | Ju | 11-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | | - | 200 | | | | | |
| Aluminum - Total | - | mg/l | | | 0.2 | LT | | | | |
| Ammonia | 2 | mg/l | | | 0.7 | | | | | |
| Arsenic - Total | 0.025 | mg/l | | | 0.01 | LT | | | | |
| Boron - Total | 1 | mg/l | | | 0.367 | 3000 | | | | |
| Bromide | - | mg/l | | | 21.6 | | | | | |
| Cadmium - Total | 0.005 | mg/l | | | 0.005 | LT | | | | |
| Calcium - Total | - | mg/l | | | 982 | | | | | |
| Chloride | 250 | mg/l | | - 1 | 2510 | | | | | |
| Chromium - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Conductivity | - | UMHO/CM | | | 8225 | | | | | |
| Copper - Total | 0.2 | mg/l | | | 0.025 | LT | | | | |
| Eh | - | VOLTS | | | -7 | | | | | |
| F2 | 1.5 | mg/l | | | 0.29 | | | | | |
| Hardness | - | mg/l | | | 3394 | | | | | |
| Iron - Total | 0.3 | mg/l | | | 0.289 | | | | | |
| Lead - Total | 0.025 | mg/l | D. | RY | 0.003 | LT | | RY | - | RY |
| Lithium - Total | | mg/l | U | K) | 1.83 | | L | JPC1 | L | KI |
| Magnesium - Total | | rng/l | | | 229 | | | | | |
| Manganese - Total | 0.3 | mg/l | | | 0,87 | - 11 | | | | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | | | |
| Molybdenum - Total | 2 | mg/l | | | 0.05 | LT | | | | |
| pH | 6.5 to 8.5 | SU | | - 1 | 7.4 | | | | | |
| Potassium - Total | | mg/l | | | 105 | | | | | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | | 340 | - n | | | | |
| Strontium - Total | | mg/l | | | 18.7 | | | | | |
| Sulfate | 250 | mg/l | | | 394 | 71 | | | | |
| Temperature | | Deg. C | | | 15 | | | | | |
| Total Dissolved Solids | 500 | mg/l | | | 7540 | | | | | |
| Turbidity | 5 | NTU | 11 | | 4.2 | | | | | |
| Vanadium - Total | - | mg/l | | | 0.05 | LT | | | | |
| Zinc - Total | - | mg/l | | | 0.02 | LT | | | | |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.
— = No Class GA guidance value or standard exists.
shaded cells indicate exceedence of the Class GA Groundwater Standard

| - A A A A | Class GA | | Ja | n-21 | Ap | r-21 | Ju | 11-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|--------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 28 | | 14 | | 28 | | 30 | |
| Aluminum - Total | - | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 2.1 | - 2 | 2.6 | | 2.6 | | 2.7 | |
| Arsenic - Total | 0.025 | mg/l | 0.0176 | | 0.0153 | | 0.0116 | | 0.0165 | |
| Boron - Total | 4 | mg/l | 0.672 | | 0.594 | | 0.659 | | 0.642 | |
| Bromide | | mg/l | 65.1 | | 149 | | 66.1 | | 60.3 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 3300 | | 2470 | | 2520 | | 2410 | |
| Chloride | 250 | mg/l | 6880 | | 6110 | | 7020 | | 6510 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | | UMHO/CM | 18780 | | 17880 | 7-7-11 | 18940 | | 18900 | |
| Copper - Total | 0,2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | - | VOLTS | 1 | | -53 | | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Hardness | _ | mg/l | Report of | | 6192 | 200 | - | 1 | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | | mg/l | 12.7 | | 13.4 | | 13.1 | | 12.3 | |
| Magnesium - Total | | rng/l | 5 | LT | 5 | LT | 5 | LT | .5 | LT |
| Manganese - Total | 0.3 | mg/l | 0.015 | LT | 0.015 | LT | 0.015 | LT | 0.015 | LT |
| Mercury - Total | 0.0007 | mg/l | 0.48.71 | | 0.0002 | LT | 1.5 | | | |
| Molybdenum - Total | 2 | mg/l | 0.216 | | 0.206 | | 0.221 | | 0.222 | |
| pH | 6.5 to 8.5 | SU | 9.9 | | 9.8 | | 9.6 | | 10 | |
| Potassium - Total | | mg/l | 994 | | 684 | | 729 | | 976 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | | | | |
| Silver - Total | 0.05 | mg/l | 1000 | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 1520 | | 1080 | | 1130 | H = 10 | 1250 | |
| Strontium - Total | | mg/l | 70.2 | | 48.3 | | 56.4 | | 47.2 | |
| Sulfate | 250 | mg/l | 849 | | 790 | | 808 | | 769 | |
| Temperature | | Deg. C | 14.4 | | 14 | | 1 | | | |
| Total Dissolved Solids | 500 | mg/l | 13400 | 1. 1. | 13800 | | 13700 | 11 | 11700 | |
| Turbidity | 5 | NTU | 0.2 | | 1.2 | | 0.2 | | 0.2 | |
| Vanadium - Total | | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.0533 | |
| Zinc - Total | - | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed. — = No Class GA guidance value or standard exists. shaded cells indicate exceedence of the Class GA Groundwater Standard

| A STATE OF THE STA | Class GA | 1000 | Ja | n-21 | Ap | r-21 | Ju | 1-21 | Oc | :1-21 |
|--|-----------------------------|---------|----------------------|----------|--------|----------|--------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 58 | | 40 | | 60 | | 62 | |
| Aluminum - Total | - | mg/l | 0.2 | LT | 0.221 | | 0.21 | | 0,2 | LT |
| Ammonia | 2 | mg/l | 11.6 | | 11.7 | | 12.7 | 1 | 1.3 | |
| Arsenic - Total | 0.025 | mg/l | 0.0171 | | 0.0154 | | 0.0141 | | 0.0456 | |
| Boron - Total | 4 | mg/l | 0.654 | | 0.552 | | 0.629 | | 2.64 | |
| Bromide | | mg/l | 111 | | 96.8 | | 113 | | 103 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 6890 | | 6190 | | 6700 | | 500 | LT |
| Chloride | 250 | mg/l | 16200 | | 14700 | | 16800 | | 16200 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | | UMHO/CM | 37920 | | 36880 | 1 2 - 11 | 38050 | | 38100 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | - | VOLTS | | | -191 | | | 1 | | |
| F2 | 1.5 | mg/l | 0.5 | LT | 0.5 | LT | 0.5 | LT | 0.5 | LT |
| Hardness | | mg/l | 4 | | 15470 | - 7 11 | | 1 | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | | mg/l | 15.4 | 0.3.00 | 16.9 | | 15.4 | | 2.41 | |
| Magnesium - Total | | rng/l | 5 | LT | 5 | LT | 5 | LT | 15.7 | |
| Manganese - Total | 0.3 | mg/l | 0.015 | LT | 0.015 | LT | 0.015 | LT | 0.0157 | |
| Mercury - Total | 0.0007 | mg/l | 0.40 | | 0.0002 | LT | 1.0 | | | |
| Molybdenum - Total | 2 | mg/l | 0.317 | | 0.314 | | 0.335 | | 0.902 | |
| pH | 6.5 to 8.5 | SU | 9.9 | | 9.7 | | 9.7 | | 10 | |
| Potassium - Total | | mg/l | 1320 | | 1180 | | 1330 | | 500 | LT |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | 1 | | | |
| Silver - Total | 0.05 | mg/l | 1 - 1 | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 1860 | 1 | 1620 | 7 | 1760 | H = H | 1690 | - |
| Strontium - Total | | mg/l | 142 | | 135 | | 145 | | 2.5 | |
| Sulfate | 250 | mg/l | 446 | | 364 | | 415 | | 426 | |
| Temperature | | Deg. C | | | 14 | - 11 | | | | |
| Total Dissolved Solids | 500 | mg/l | 25900 | | 28200 | | 27200 | 10 10 | 23800 | |
| Turbidity | 5 | NTU | 0.1 | | 0.7 | | 0.4 | | 0.4 | |
| Vanadium - Total | | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.123 | |
| Zinc - Total | | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999,

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed. — = No Class GA guidance value or standard exists. shaded cells indicate exceedence of the Class GA Groundwater Standard

| | Class GA | | Ja | n-21 | Ap | r-21 | Ju | 1-21 | 00 | ct-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|--------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 92 | | 44 | | 100 | | 100 | |
| Aluminum - Total | - | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 12.6 | 2.7 | 12.5 | | 12.7 | | 13.2 | |
| Arsenic - Total | 0.025 | mg/l | 0.0158 | | 0.0172 | | 0.0137 | | 0.0191 | |
| Boron - Total | 1 | mg/l | 0.673 | | 0.583 | | 0.707 | | 0.671 | |
| Bromide | - | mg/l | 128 | | 106 | | 122 | | 116 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | - | mg/l | 6760 | | 7170 | | 7230 | | 6960 | |
| Chloride | 250 | mg/l | 18000 | | 15700 | | 18000 | | 17800 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | 1 | UMHO/CM | 42750 | - | 40740 | 1 2 - 1 | 41040 | | 42320 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | | VOLTS | | | -236 | | 14-1-1 | 4 | | |
| F2 | 1.5 | mg/l | 0.5 | LT | 0.5 | LT | 0.5 | LT | 0.5 | LT |
| Hardness | - | mg/l | 4 | | 17930 | 2.11 | | 0 | | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Lead - Total | 0.025 | mg/l | 0,003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | | mg/l | 19 | | 20.2 | | 17.4 | | 18 | |
| Magnesium - Total | - | mg/l | 5.82 | 1.00 | 5.52 | | 5.81 | | 5.78 | |
| Manganese - Total | 0.3 | mg/l | 0.015 | LT | 0.015 | LT | 0.015 | LT | 0.015 | LT |
| Mercury - Total | 0.0007 | mg/l | P 10 | | 0.0002 | LT | 100 E | | | 1 |
| Molybdenum - Total | | mg/l | 0.05 | LT | 0.12 | | 0.05 | LT | 0.05 | LT |
| pH | 6.5 to 8.5 | SU | 9.9 | 1 | 9.7 | | 9.7 | 11 10 | 10 | - |
| Potassium - Total | | mg/l | 1480 | | 1530 | | 1740 | | 1570 | |
| Selenium - Total | 0,01 | mg/l | 7 7 | | 0.005 | LT | | | - | |
| Silver - Total | 0.05 | mg/l | 1 | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 2040 | 1 100 | 2140 | | 2110 | 11 10 | 2120 | |
| Strontium - Total | | mg/l | 142 | | 156 | | 157 | | 145 | |
| Sulfate | 250 | mg/l | 644 | 1000 | 382 | | 612 | | 3350 | |
| Temperature | | Deg. C | | | 14 | 1. | | | | |
| Total Dissolved Solids | 500 | mg/l | 29800 | | 31100 | | 29100 | 14 - 14 | 27000 | |
| Turbidity | 5 | NTU | 0.2 | | 0.5 | | 0.3 | | 0.3 | |
| Vanadium - Total | | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc - Total | - | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed. — = No Class GA guidance value or standard exists. shaded cells indicate exceedence of the Class GA Groundwater Standard

| | Class GA | | Ja | n-21 | Ap | r-21 | Ju | 1-21 | 00 | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|---------|----------|---------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 48 | | 52 | | 68 | | 68 | |
| Aluminum - Total | - | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 7.7 | | 7 | | 8.8 | | 8.9 | |
| Arsenic - Total | 0.025 | mg/l | 0.0115 | | 0.00921 | J | 0.00802 | J | 0.0151 | |
| Boron - Total | 1 | mg/l | 1.21 | 1 | 1.25 | | 1.23 | 1000 | 1.16 | |
| Bromide | - | mg/l | 101 | | 75.3 | | 98.4 | | 92.9 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 4340 | | 3250 | | 4370 | | 4220 | |
| Chloride | 250 | mg/l | 9850 | | 7670 | | 9680 | | 9070 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | | UMHO/CM | 25810 | | 22000 | 12-41 | 24440 | | 25700 | |
| Copper - Total | 0,2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | - | VOLTS | | | -245 | | | 1 | | |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Hardness | | mg/l | | | 8215 | 25.7 | 15.5 | 1 | - | |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | 0.1 | LT | 0.121 | | 0.117 | |
| Lead - Total | 0.025 | mg/l | 0,003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | | mg/l | 10.9 | | 10.5 | | 10 | | 10.6 | |
| Magnesium - Total | - | mg/l | 23.8 | | 22,1 | | 20.8 | | 22.2 | |
| Manganese - Total | 0.3 | mg/l | 0.07 | | 0.0662 | | 0.0646 | | 0.0622 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | 1 | | |
| Molybdenum - Total | 2 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| pH | 6.5 to 8.5 | SU | 7.6 | | 7.0 | 2 - 1 | 7.0 | | 7.2 | |
| Potassium - Total | | mg/l | 726 | | 513 | | 762 | | 749 | |
| Selenium - Total | 0,01 | mg/l | | | 0.005 | LT | | | 100 | |
| Silver - Total | 0.05 | mg/l | 1,000 | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 1190 | 1 100 | 846 | | 1200 | 11 15 | 1220 | |
| Strontium - Total | _ | mg/l | 88.6 | | 71.8 | | 92.7 | 70 | 85.7 | |
| Sulfate | 250 | mg/l | 1220 | 1 | 1030 | | 1090 | 1 0 | 985 | |
| Temperature | | Deg. C | C | | 14 | | 1 | | | |
| Total Dissolved Solids | 500 | mg/l | 17900 | | 16700 | 1.0 | 18800 | | 16400 | |
| Turbidity | 5 | NTU | 95.0 | | 3.3 | | 2.0 | | 18.0 | |
| Vanadium - Total | | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc - Total | - | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed. — = No Class GA guidance value or standard exists. shaded cells indicate exceedence of the Class GA Groundwater Standard

| | Class GA | | Ja | n-21 | Ap | r-21 | Ju | 1-21 | 00 | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|---------|-----------|----------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 76 | | 60 | | 68 | | 70 | |
| Aluminum - Total | - | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 17.3 | | 17.1 | | 18.7 | | 21.2 | |
| Arsenic - Total | 0.025 | mg/l | 0.0139 | | 0.00774 | J | 0.0113 | | 0.0162 | |
| Boron - Total | 1 | mg/l | 2.06 | 10000 | 1,98 | | 2.04 | | 1.95 | |
| Bromide | - | mg/l | 93.8 | | 81.1 | | 96.8 | | 97.2 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | - | mg/l | 3630 | | 3390 | | 3680 | | 4300 | |
| Chloride | 250 | mg/l | 8920 | | 8100 | | 9440 | | 9420 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | | UMHO/CM | 24100 | | 22980 | 1 - 1 - 1 | 23840 | | 26830 | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | - | VOLTS | | | -186 | | | 1 | | |
| F2 | 1,5 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Hardness | _ | mg/l | | | 8583 | 5 11 | | 1 | - | |
| Iron - Total | 0.3 | mg/l | 1.08 | | 0.602 | | 0.827 | | 0.775 | |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | | mg/l | 14.7 | Y | 16 | | 14.6 | | 15.5 | |
| Magnesium - Total | | rng/l | 27 | | 27.6 | | 26.3 | | 27.8 | |
| Manganese - Total | 0.3 | mg/l | 0.579 | | 0.567 | | 0.558 | | 0.632 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | Legen, H | 1 | | |
| Molybdenum - Total | 12 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| pH | 6.5 to 8.5 | SU | 7 | | 7.1 | 2 11 | 7.1 | | 7.2 | |
| Potassium - Total | | mg/l | 1040 | | 948 | | 1080 | | 1270 | |
| Selenium - Total | 0.01 | mg/l | | | 0.005 | LT | 100 | | | |
| Silver - Total | 0.05 | mg/l | 12000 | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 1310 | 7.7 | 1170 | 1 | 1310 | 11 | 1570 | |
| Strontium - Total | | mg/l | 76.2 | | 67.2 | | 80.9 | | 91.7 | |
| Sulfate | 250 | mg/l | 927 | 1 | 849 | | 942 | | 815 | |
| Temperature | | Deg. C | YELL | | 15 | 12 | | | | |
| Total Dissolved Solids | 500 | mg/l | 16500 | | 20600 | | 18100 | 14 - 10 | 17700 | |
| Turbidity | 5 | NTU | 11.0 | | 20.0 | | 9.2 | | 19.0 | |
| Vanadium - Total | | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc - Total | - | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999,

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed. — = No Class GA guidance value or standard exists. shaded cells indicate exceedence of the Class GA Groundwater Standard

| | Class GA | 120.01 | Ja | n-21 | Ap | r-21 | Ju | 11-21 | Oc | :1-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|--------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 64 | | 40 | | 76 | | 75 | |
| Aluminum - Total | - | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 19.5 | | 17 | | 20.4 | 11-16 | 22.6 | |
| Arsenic - Total | 0.025 | mg/l | 0.0255 | | 0.0237 | | 0.0165 | | 0.0237 | |
| Boron - Total | 4 | mg/l | 2.41 | 155 | 2.37 | | 2.35 | | 2.19 | |
| Bromide | | mg/l | 82.3 | | 77.9 | | 91.5 | | 89.7 | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | | mg/l | 4060 | | 3610 | | 2970 | | 3420 | |
| Chloride | 250 | mg/l | 8090 | | 7340 | | 8670 | | 8390 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | - | UMHO/CM | 24370 | | 21070 | 12.5.11 | 22480 | | 24900 | |
| Copper - Total | 0,2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | - | VOLTS | Acres 1 | | -200 | | | | | |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Hardness | | mg/l | 100 | - | 9145 | | | J | | |
| Iron - Total | 0.3 | mg/l | 0.112 | | 0.112 | | 0.1 | LT | 0.1 | LT |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | | mg/l | 13.6 | 7.7.7 | 13.5 | | 13 | | 13.5 | |
| Magnesium - Total | | rng/l | 28.2 | | 29.7 | | 26.9 | | 26.3 | |
| Manganese - Total | 0.3 | mg/l | 0.343 | | 0.297 | | 0.314 | | 0.302 | |
| Mercury - Total | 0.0007 | mg/l | | 100 | 0.0002 | LT | 1 1-1 | | | |
| Molybdenum - Total | | mg/l | 0.05 | LT | 0.0535 | | 0.05 | LT | 0.05 | LT |
| pH | 6.5 to 8.5 | SU | 7.3 | | 7.2 | | 7.3 | | 7.8 | |
| Potassium - Total | | mg/l | 1260 | | 1120 | | 949 | | 1110 | |
| Selenium - Total | 0,01 | mg/l | | | 0.005 | LT | | 1 | - | |
| Silver - Total | 0.05 | mg/l | 1 1 1 | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | 1630 | 1 | 1400 | | 1190 | 11 (| 1430 | |
| Strontium - Total | | mg/l | 88.3 | | 81 | | 67.2 | | 75.3 | |
| Sulfate | 250 | mg/l | 737 | 1 2 | 783 | | 794 | | 727 | |
| Temperature | | Deg. C | Lored | | 15 | 1 1. | | | | |
| Total Dissolved Solids | 500 | mg/l | 16700 | | 17500 | | 16200 | 11 - 11 | 15700 | |
| Turbidity | 5 | NTU | 57.0 | | 2.6 | | 13.0 | | 79.0 | |
| Vanadium - Total | | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc - Total | - | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed. — = No Class GA guidance value or standard exists. shaded cells indicate exceedence of the Class GA Groundwater Standard

| | Class GA | -75 | Jai | n-21 | Ap | r-21 | Ju | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|---------|----------------------|----------|--------|----------|--------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | | - | 14 | | 30 | | 38 | |
| Aluminum - Total | - | mg/l | | | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | | | 2.8 | | 3.8 | 1 | 4.7 | |
| Arsenic - Total | 0.025 | mg/l | | - 1 | 0.0055 | J | 0.0225 | | 0.0132 | |
| Boron - Total | 1 | mg/l | | 1 | 0.754 | | 1.26 | 10-0 | 0.765 | |
| Bromide | - | mg/l | | - 1 | 49.6 | | 80.9 | | 51.9 | |
| Cadmium - Total | 0.005 | mg/l | | | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Total | _ | mg/l | | | 2610 | | 3470 | | 2930 | |
| Chloride | 250 | mg/l | | | 5510 | | 8880 | | 5770 | |
| Chromium - Total | 0.05 | mg/l | | - 1 | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | | UMHO/CM | | | 16070 | 1000 | 22720 | | 17250 | |
| Copper - Total | 0.2 | mg/l | | | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | - | VOLTS | | | -23 | | | | | |
| F2 | 1,5 | mg/l | | | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Hardness | | mg/l | | - 1 | 6589 | | | | | |
| Iron - Total | 0.3 | mg/l | | | 0.122 | | 0.479 | | 0.258 | |
| Lead - Total | 0.025 | mg/l | D | RY | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Total | | mg/l | U | K | 8.06 | | 10.4 | | 7.51 | |
| Magnesium - Total | - | rng/l | | | 20.3 | | 22.6 | | 19.2 | |
| Manganese - Total | 0.3 | mg/l | | | 0.216 | | 0.383 | | 0.188 | |
| Mercury - Total | 0.0007 | mg/l | | | 0.0002 | LT | | 1 | | |
| Molybdenum - Total | - | mg/l | | | 0.0543 | | 0.05 | LT | 0.0563 | |
| pH | 6.5 to 8.5 | SU | | | 8.4 | | 6.2 | | 7.9 | |
| Potassium - Total | | mg/l | | | 500 | LT | 731 | | 590 | |
| Selenium - Total | 0,01 | mg/l | | 1 | 0.005 | LT | - | 1 | | - |
| Silver - Total | 0.05 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Total | 20 | mg/l | | | 752 | | 1050 | H = H | 915 | |
| Strontium - Total | | mg/l | | - 1 | 46.8 | | 71.7 | | 57.6 | |
| Sulfate | 250 | mg/l | | | 763 | | 1020 | | 692 | |
| Temperature | | Deg. C | | | 23 | | | | | |
| Total Dissolved Solids | 500 | mg/l | | | 13200 | | 16300 | 11 | 10500 | |
| Turbidity | 5 | NTU | | | 3.9 | | 12.0 | | 5.6 | |
| Vanadium - Total | _ | mg/l | | | 0.05 | LT | 0.05 | LT | 0.05 | LŦ |
| Zinc - Total | - | mg/l | | | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed.
— = No Class GA guidance value or standard exists.
shaded cells indicate exceedence of the Class GA Groundwater Standard

| 3.03.0 | Class GA | -65.5 | Jai | n-21 | Ap | r-21 | Jı | 1-21 | Oc | t-21 |
|------------------------|-----------------------------|--------|----------------------|----------|-------|----------|-------|----------|--------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | + | | | | | | 62 | |
| Aluminum - Total | - | mg/l | | | | | | | 0,2 | LT |
| Ammonia | 2 | mg/l | | | | | | | 0.2 | |
| Arsenic - Total | 0.025 | mg/l | | | | | | | 0.0063 | J |
| Boron - Total | 1 | mg/l | | | | | | | 0.547 | 22 |
| Bromide | - | mg/l | | | | | | 1 | 14.3 | |
| Cadmium - Total | 0.005 | mg/l | | | | | | | 0.005 | LT |
| Calcium - Total | - | mg/l | | | | | | | 827 | |
| Chloride | 250 | mg/l | | | | | | | 1550 | |
| Chromium - Total | 0.05 | mg/l | | | | | | | 0.0129 | |
| Conductivity | - | MHO/CW | | | | | | - 1 | 5870 | |
| Copper - Total | 0.2 | mg/l | | | | | | | 0.025 | LT |
| Eh | - | VOLTS | | | | | | | | |
| F2 | 1,5 | mg/l | | | | | | | 0.2 | LT |
| Hardness | - | mg/l | | | | | | | | |
| Iron - Total | 0.3 | mg/l | | | | | | | 0.198 | |
| Lead - Total | 0.025 | mg/l | D | RY | n | RY | | RY | 0.003 | LT |
| Lithium - Total | | mg/l | | 151 | | 131 | | (8) | 2.72 | |
| Magnesium - Total | - | mg/l | | | | | | | 12.9 | |
| Manganese - Total | 0.3 | mg/l | | | | | | | 0.0407 | |
| Mercury - Total | 0.0007 | mg/l | | | | | | | | |
| Molybdenum - Total | | mg/l | | | | | | | 0.05 | LT |
| pH | 6.5 to 8.5 | SU | | | | | | | 7.9 | |
| Potassium - Total | | mg/l | | | | | | | 234 | |
| Selenium - Total | 0,01 | mg/l | | | | | | | 17.76 | |
| Silver - Total | 0.05 | mg/l | | | | | | | | |
| Sodium - Total | 20 | mg/l | | | | | | | 327 | |
| Strontium - Total | - | mg/l | | | | | | | 11.8 | |
| Sulfate | 250 | mg/l | | | | | | | 592 | |
| Temperature | | Deg. C | | | | | | | | |
| Total Dissolved Solids | 500 | mg/l | | | | | | | 3770 | |
| Turbidity | 5 | NTU | | | | | | | 9.1 | |
| Vanadium - Total | - | mg/l | | | | | | - 17 | 0.05 | LT |
| Zinc - Total | - | mg/l | | | | | | | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

⁽²⁾ A blank cell in the "Value" column indicates the analysis was not performed. — = No Class GA guidance value or standard exists. shaded cells indicate exceedence of the Class GA Groundwater Standard

Appendix C

SWDA II Analytical Results

| Analyte | Class GA Groundwater | Assessment | Units | Ma | -21 | Ma | y-21 | Sep | -21 | No | v-21 |
|------------------------|-------------------------|---------------|---------|---------|----------|--------|----------|---------|----------|--------|----------|
| 10.917 | Standard (1) | Trigger Value | 10.00 | Value | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | ~ | 419 | mg/l | 400 | | 380 | | 390 | | 408 | |
| Aluminum-Dissolved | 0.1 | 0.050 | mg/l | 100 | - | | | | | - | |
| Aluminum-Total | 0.1 | 9.79 | mg/l | 0.2 | LT | 0.2 | LT LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | 0.50 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT. | 0.1 | LT |
| Arsenic-Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | |
| Arsenic-Total | 0.025 | 0.0141 | mg/l | 0.00611 | J | 0.01 | LT | 0.00737 | J | 0.01 | LT |
| Boron-Dissolved | 1 | 0.221 | mg/l | | | | | | | | |
| Boron-Total | 1 | 0,28 | mg/l | 0.0812 | | 0.064 | | 0.0861 | | 0.0786 | 1 |
| Bromide | ~ | 5.2 | mg/l | 1 | LT | 1 | LT | 1 | LT | | |
| Cadmium-Dissolved | 0.005 | 0,005 | mg/l | | | | | | | | |
| Cadmium-Total | 0.005 | 0.0029 | mg/L | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium-Dissolved | - | 290 | mg/l | | | | | | | | |
| Calcium-Total | 4 - | 317 | mg/l | 257 | | 281 | | 214 | | 251 | |
| Chloride | 250 | 730 | mg/l | 564 | | 618 | | 429 | | 635 | |
| Chromium-Dissolved | 0.05 | 0.010 | mg/L | | | | 1-2 | | | | |
| Chromium-Total | 0.05 | 0.017 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT- | 0.01 | LT |
| Conductivity | | 7697 | UMHO/CM | 2845 | | 2800 | 122 11 | 2335 | | 2795 | |
| Copper-Dissolved | 0.2 | 0.010 | mg/l | | | | | 100 | | | |
| Copper-Total | 0.2 | 0.0139 | mg/t | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| EH- | - | 477 | VOLTS | 22 | | 63 | | 8 | | 65 | |
| Fluoride | 1.5 | 0.3 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Hardness | - 2 | | mg/l | 1040 | 1 - 1 | 1150 | 14 | 884 | | 1018 | - |
| Iron-Dissolved | 0.3 | 0.384 | mg/L | 19.19 | | 11154 | | | 1 - 1 | 1717 | 1 |
| Iron-Total | 0.3 | 17.01 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Lead-Dissolved | 0.025 | 0.020 | mg/l | 0.1 | - | 0.1 | | 9.7 | 1 | 4.5 | - |
| Lead-Total | 0.025 | 0.0092 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium-Dissolved | 0.020 | 0.5 | mg/l | 0.000 | - | 0,000 | | 0.000 | | 0.000 | |
| Lithium-Total | | 0.385 | mg/l | 0,1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Magnesium-Dissolved | 35 | 129.3 | mg/l | Oct | - | 0.1 | - | 0.1 | | 0.1 | |
| Magnesium-Total | 35 | 136.0 | mg/l | 96.6 | | 109 | | 84.9 | 1 1 | 95.2 | 1 |
| Manganese-Dissolved | 0.3 | 0.027 | mg/l | 30,0 | 1 | 103 | + | 04.5 | 1 1 | 30,2 | + |
| Manganese-Total | 0.3 | 0.72 | | 0.015 | LT | 0.0232 | | 0.0175 | 1 1 | 0.015 | LT |
| Mercury-Dissolved | 0.0007 | 0.0002 | mg/l | 0.015 | | 0.0232 | 1 | 0.0175 | | 0.013 | LJ |
| | 0.0007 | 0.0002 | mg/l | 0.0002 | LŤ | 0.0000 | LT | 0.0002 | LT | 0.0002 | LT |
| Mercury-Total | 1 | 0.0003 | mg/l | 0,0002 | Li | 0.0002 | 1 | 0.0002 | 1 50 | 0.0002 | (1) |
| Molybdenum-Dissolved | - | | mg/l | 0.05 | LT | 0.05 | 17 | 0.05 | 17 | 0.05 | LT |
| Molybednum-Total | 0.54-0.5 | 0.0057 | mg/l | 0.05 | Li | | LT | | LJ. | | LI |
| pH | 6.5 to 8.5 | 7.6 | SU | 7.1 | | 7 - | | 7.0 | - | 7.0 | |
| Potassium-Dissolved | ~ | 7.31 | mg/l | 6.62 | | 0.00 | + | 0.00 | - | 0.40 | - |
| Potassium-Total | 2.00 | 8.78 | mg/l | 8.01 | | 8.55 | | 6.93 | - | 8.18 | - |
| Selenium-Dissolved | 0.01 | 0.012 | mg/l | | | 0.000 | 19 | | | 0.005 | 17 |
| Selenium-Total | 0.01 | 0.0109 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Silver-Dissolved | 0.05 | 0.010 | mg/l | | 1. | 441 | 1.5 | | | | 1.4 |
| Silver-Total | 0.05 | 0.0102 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Sodium-Dissolved | 20 | 175 | mg/l | | | | | | | | |
| Sodium-Total | 20 | 183 | mg/l | 218 | | 265 | | 198 | | 253 | |
| Strontium-Dissolved | | 2.55 | mg/l | | | | | | | | |
| Strontium-Total | | 2.59 | mg/l | 1.78 | | 1.89 | | 1.43 | | 1.5 | |
| Sulfate | 250 | 253 | mg/l | 191 | | 195 | 14 | 194 | | 187 | |
| Temperature | ~ | | Deg. C. | 9.0 | | 9.0 | | 9.0 | | 12.0 | |
| Total Dissolved Solids | 500 | 2116 | mg/l | 1500 | | 1740 | | 1480 | | 1640 | |
| Turbidity | 5 | 463 | NTU | 2.3 | | 0.6 | 1 | 7.6 | | 1.4 | |
| Vanadium-Dissolved | | 0.010 | mg/l | | - | | - | 1 | | | |
| Vanadium-Total | 28 | 0.019 | mg/l | 0.05 | LT | 0.05 | LT. | 0.05 | LT | 0.05 | LT |
| Zinc-Dissolved | 2.0 | 0.010 | mg/l | | | | | 1-4 4-3 | | 177 | |
| Zinc-Total | 2.0 | 0.0416 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT- | 0.02 | LT |

| Analyte | Class GA Groundwater | Assessment | Units | Ma | r-21 | May | -21 | Se | 0-21 | No | v-21 |
|------------------------|-------------------------|---------------|---------|--------|----------|---------|-----------|---------|----------|--------|----------|
| 10 9/59 | Standard (1) | Trigger Value | | Value | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | ~ | 34.7 | mg/l | 34 | | 30 | | 34 | | 28 | |
| Aluminum-Dissolved | 0.1 | 0.107 | mg/l | | | | | | | | |
| Aluminum-Total | 0.1 | 0.1486 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | 1.7 |
| Ammonia | 2 | 6.83 | mg/l | 8.9 | | 8.6 | | 8.7 | | 8.7 | |
| Arsenic-Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | |
| Arsenic-Total | 0.025 | 0.0224 | mg/l | 0.011 | | 0.00839 | 1 | 0.012 | | 0.0035 | J |
| Boron-Dissolved | 1 | 4.05 | mg/l | | | | | | | | |
| Boron-Total | 1 | 4.07 | mg/l | 2.9 | | 2.74 | | 2.87 | | 2.73 | |
| Bromide | _ | 166 | mg/l | 72.8 | | 71.6 | | 86.7 | | | |
| Cadmium-Dissolved | 0.005 | 0.005 | mg/l | | | | | | | | |
| Cadmium-Total | 0.005 | 0.0029 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium-Dissolved | | 1321 | mg/l | | | | | | | | |
| Calcium-Total | | 1328 | mg/l | 1210 | | 1240 | | 1330 | | 1320 | |
| Chloride | 250 | 8992 | mg/l | 6650 | | 6550 | | 7620 | | 8220 | |
| Chromium-Dissolved | 0.05 | 0.010 | mg/l | | | | 1 | 1-1-1 | | | |
| Chromium-Total | 0.05 | 0.005 | mg/l | 0.01 | LT | 0.0735 | 74 | 0.01 | LT- | 0.01 | LT |
| Conductivity | ~ | 25596 | UMHO/CM | 21110 | | 20840 | | 20700 | | 22150 | |
| Copper-Dissolved | 0.2 | 0.010 | mg/l | | 1 | | | | | | |
| Copper-Total | 0.2 | 0.0045 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| EH- | | 232 | VOLTS | -70 | | -23 | | -81 | | -72 | |
| Fluoride | 1.5 | 0.66 | mg/l | 0.2 | LT | 2.69 | | 0.2 | LT | 0.2 | LŢ |
| Hardness | - | | mg/l | 3829 | | 3956 | 1 | 4167 | | 4205 | 1.72 |
| Iron-Dissolved | 0.3 | 2.97 | mg/l | | 1 | | | | | | |
| Iron-Total | 0.3 | 3.08 | mg/l | 1,9 | | 2.17 | | 2.25 | | 2.13 | |
| Lead-Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | |
| Lead-Total | 0.025 | 0.0102 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium-Dissolved | | 4.81 | mg/I | | | | | | | | |
| Lithium-Total | - | 4.34 | mg/l | 4.51 | | 3.6 | | 5.3 | | 5,84 | |
| Magnesium-Dissolved | 35 | 198 | mg/l | | | | | | | | |
| Magnesium-Total | 35 | 195 | mg/l | 194 | | 206 | | 208 | | 218 | |
| Manganese-Dissolved | 0.3 | 1.50 | mg/l | | | | | | | | |
| Manganese-Total | 0.3 | 1.49 | mg/l | 0.899 | | 0.969 | - | 0.996 | | 0.982 | |
| Mercury-Dissolved | 0.0007 | 0.0002 | mg/l | | | | | | | | |
| Mercury-Total | 0.0007 | 0.0003 | mg/l | 0,0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| Molybdenum-Dissolved | | 0.011 | mg/l | | | | | | | | |
| Molybednum-Total | | 0.0184 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| pH | 6.5 to 8.5 | 7.8 | SU | 7.6 | | 7.5 | | 7.4 | | 7.5 | |
| Potassium-Dissolved | 1000 | 105 | mg/l | | | | # Table 1 | | | | |
| Potassium-Total | - | 128 | mg/l | 87.5 | J | 88.3 | LT | 90.6 | LT | 170 | |
| Selenium-Dissolved | 0.01 | 0.010 | mg/l | | | | | | | | |
| Selenium-Total | 0.01 | 0.0181 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Silver-Dissolved | 0.05 | 0.010 | mg/l | | | | | | | | |
| Silver-Total | 0.05 | 0.0101 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Sodium-Dissolved | 20 | 4026 | mg/l | | | | | | | | |
| Sodium-Total | 20 | 4906 | mg/l | 2690 | | 2940 | | 3180 | | 3140 | |
| Strontium-Dissolved | | 27.9 | mg/l | | | | | | | | |
| Strontium-Total | | 27.6 | mg/l | 23.2 | | 26 | | 25 | | 25.7 | |
| Sulfate | 250 | 1931 | mg/l | 1690 | J II' | 1670 | | 1980 | | 1840 | |
| Temperature | | | Deg. C. | 11.0 | | 10.0 | | 9.0 | | 10.0 | |
| Total Dissolved Solids | 500 | 18492 | mg/l | 14000 | | 14600 | | 14200 | | 15200 | |
| Turbidity | 5 | 20 | NTU | 0.3 | | 0.5 | | 3.6 | | 0.5 | |
| Vanadium-Dissolved | | 0.010 | mg/l | | | | - | | | | |
| Vanadium-Total | 3.85 | 0.004 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc-Dissolved | 2.0 | 0.010 | mg/l | | | 7777 | 1 | F-9 Y-1 | | 7.9 | |
| Zinc-Total | 2.0 | 0.0053 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | 1.7 | 0.02 | LT |

| Analyte | Class GA Groundwater | Assessment | Units | Jar | 1-21 | Apr | -21 | Jul | -21 | Oc | t-21 |
|------------------------|---|---------------|----------|--------|----------|--------|----------|---------|----------|--------|----------|
| 21019 | Standard (1) | Trigger Value | 1,5,11,6 | Value | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | 359 | mg/l | 330 | | 300 | 1 | 320 | | 310 | |
| Aluminum-Dissolved | 0.1 | 0.357 | mg/l | | | | | | | | |
| Aluminum-Total | 0.1 | 6.54 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | 0.50 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | L7 | 0.1 | LT |
| Arsenic-Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | |
| Arsenic-Total | 0.025 | 0.0131 | mg/l | 0.01 | LT | 0.0051 | .) | 0.00437 | J | 0.01 | LT |
| Boron-Dissolved | 1 | 0.928 | mg/l | | | | | 14 | | | |
| Boron-Total | 1 | 0.988 | mg/l | 0.315 | | 0.05 | LT | 0.322 | | 0.206 | |
| Bromide | _ | 1.1 | mg/l | - 1 | LT | - 1 | LT | 1 | LT | | |
| Cadmium-Dissolved | 0.005 | 0.005 | mg/l | | | | | | | | |
| Cadmium-Total | 0.005 | 0.0029 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium-Dissolved | | 120 | mg/l | | | | | | | | |
| Calcium-Total | * | 126 | mg/l | 124 | | 139 | 11 | 123 | | 134 | |
| Chloride | 250 | 97 | mg/li | 97.8 | | 24.2 | | 111 | | 66.7 | |
| Chromium-Dissolved | 0.05 | 0.010 | mg/l | | 1 | | 4-1 | | | - | |
| Chromium-Total | 0.05 | 0.011 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | - 8 | 2338 | UMHO/CM | 1155 | | 1060 | | 1125 | | 1080 | |
| Copper-Dissolved | 0.2 | 0.010 | mg/l | | | | | | | | |
| Copper-Total | 0.2 | 0.0044 | mg/L | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| EH- | | 553 | VOLTS | 68 | | 99 | | 40 | | 96 | |
| Fluoride | 1.5 | 0.3 | mg/l | 0.2 | LT | 0.2 | LT | 0.23 | | 0.2 | LJ |
| Hardness | | | mg/l | 518 | | 505 | 1. 4 | 512 | | 493 | 1 |
| Iron-Dissolved | 0.3 | 0.378 | mg/L | | 4 | | | | | | |
| Iron-Total | 0.3 | 9.53 | mg/l | 0.101 | | 0.1 | - LT | 0.1 | LT | 0.1 | LT |
| Lead-Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | |
| Lead-Total | 0.025 | 0.0094 | mg/l | 0.003 | LT | 0,003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium-Dissolved | | 0.5 | mg/l | | | | | | | | |
| Lithium-Total | - | 0.387 | mg/l | 0.172 | | 0.1 | LT | 0.313 | | 0.214 | |
| Magnesium-Dissolved | 35 | 50.2 | mg/l | -,- | | | 1 | | | | |
| Magnesium-Total | 35 | 48.5 | mg/l | 50.5 | 1 | 37.7 | | 49.9 | | 38.4 | |
| Manganese-Dissolved | 0.3 | 0.086 | mg/l | | | | | | | | |
| Manganese-Total | 0.3 | 0.30 | mg/l | 0.015 | LT | 0.015 | LT. | 0.015 | LT | 0.015 | LT |
| Mercury-Dissolved | 0.0007 | 0.0003 | mg/l | | | | | | | | |
| Mercury-Total | 0.0007 | 0.0003 | mg/l | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| Molybdenum-Dissolved | | 0.010 | mg/l | | | | | | | | |
| Molybednum-Total | | 0.0107 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| pH | 6.5 to 8.5 | 8.0 | SU | 7.3 | | 7.2 | | 7.2 | | 7.1 | |
| Potassium-Dissolved | | 12.72 | mg/l | | 1 | | + | 1 | | | |
| Potassium-Total | | 12.18 | mg/l | 5.9 | | 1.4 | 0 | 6.46 | | 3.6 | J. |
| Selenium-Dissolved | 0.01 | 0.010 | mg/l | | | | 1 | | | | |
| Selenium-Total | 0.01 | 0.0109 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Silver-Dissolved | 0.05 | 0.010 | mg/i | | 1000 | | | | | | |
| Silver-Total | 0.05 | 0.0101 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Sodium-Dissolved | 20 | 51.5 | mg/l | | | | | | | | |
| Sodium-Total | 20 | 47.0 | mg/l | 30.3 | | 15.9 | | 31.2 | | 22.6 | |
| Strontium-Dissolved | 2 | 2.63 | mg/l | | | | | | | | |
| Strontium-Total | | 2.57 | mg/l | 1.52 | | 0.567 | | 1.62 | | 0.991 | |
| Sulfate | 250 | 165 | mg/l | 124 | | 172 | | 131 | | 189 | |
| Temperature | - 20 | | Deg. C. | 9.0 | | 9.0 | | 10.0 | | 12.0 | |
| Total Dissolved Solids | 500 | 622 | mg/l | 690 | | 730 | | 685 | | 575 | |
| Turbidity | 5 | 885 | NTU | 9.3 | | 7.2 | | 12.0 | | 9.2 | |
| Vanadium-Dissolved | | 0.010 | mg/l | -,0 | | - 15 | | -417 | | 2.5 | 1 |
| Vanadium-Total | | 0.014 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc-Dissolved | 2.0 | 0.010 | mg/l | 0.00 | | 0.00 | | 0.00 | | 0.00 | - |
| Zinc-Total | 2.0 | 0.0228 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

| Analyte | Class GA Groundwater | Assessment | Units | Ma | r-21 | May | -21 | Se | p-21 | Nov | -21 |
|------------------------------------|-------------------------|-----------------|--------------|-------|----------|---------|-----------|-------|----------|---------|---------|
| 274.9 | Standard (1) | Trigger Value | 15,700 | Value | Notation | Value | Notation | Value | Notation | Value | Notatio |
| Alkalinity | ~ | 30.6 | mg/l | | | 22 | | | | 16 | |
| Aluminum-Dissolved | 0.1 | 0.719 | mg/l | | | - | | | - 1 | - | |
| Aluminum-Total | 0.1 | 0.739 | mg/l | | 1 | 0.2 | LT | | - 1 | | |
| Ammonia | 2 | 16.3 | mg/l | | | 17.9 | | | - 1 | 18.5 | |
| Arsenic-Dissolved | 0.025 | 0.025 | mg/l | | - 1 | | | | - 1 | | |
| Arsenic-Total | 0.025 | 0.0350 | mg/l | | ļ | 0.00389 | - J | | - 1 | 0.00443 | J |
| Boron-Dissolved | 1 | 3.82 | mg/l | | 1 | | | | - 1 | | |
| Boron-Total | 1 | 3.94 | mg/l | | 1 | 2.08 | | | 1 | 2.07 | |
| Bromide | ~ | 670 | mg/l | | 1 | 289 | | | 1 | | |
| Cadmium-Dissolved | 0.005 | 0,005 | mg/l | | | | | | | 1212240 | - |
| Cadmium-Total | 0.005 | 0.0020 | mg/l | | | 0.005 | LT | | - 1 | 0.005 | LT |
| Calcium-Dissolved | | 5923 | mg/l | | | | | | | | |
| Calcium-Total | 5 - | 6290 | mg/l | | | 4850 | | | | 4980 | |
| Chloride | 250 | 27742 | mg/l | | | 25300 | | | - 1 | | |
| Chromium-Dissolved | 0.05 | 0.010 | mg/l | | | 16.60 | 1 1 1 1 1 | | | | _ |
| Chromium-Total | 0.05 | 0.004 | mg/l | | | 0.01 | LT | | | | |
| Conductivity | | 104393 | UMHO/CM | | - 1 | 62000 | | | | 64610 | _ |
| Copper-Dissolved | 0.2 | 0.010 | mg/l | | | | | | - 1 | | _ |
| Copper-Total | 0.2 | 0.0042 | mg/l | | | 0.025 | LT | | 1 | 1 | _ |
| H- | 7 | 660 | VOLTS | | | 16 | 4 | | 1 | 21 | |
| Fluoride | 1.5 | 0.217 | mg/l | | - | 0.5 | LT | | | | _ |
| Hardness | - | 92.2 | mg/l | | - 1 | 15220 | | | | | - |
| ron-Dissolved | 0.3 | 11.40 | mg/l | | - 1 | | - | | - 1 | 7.0 | |
| ron-Total | 0.3 | 11.61 | mg/l | | | 4.28 | | | - | 4.37 | |
| _ead-Dissolved | 0.025 | 0.020 | mg/l | | - 1 | | | | | | - |
| _ead-Total | 0.025 | 0.0099 | mg/l | | - 1 | 0,003 | LT | | - 1 | | - |
| ithium-Dissolved | | 8.71 | mg/l | | 700 | | | | | 18.8 | |
| Jithium-Total | | 9.11 | mg/l | D | RY | 12.8 | - | Ь | RY | 16.8 | - |
| Magnesium-Dissolved | 35 | 762 | mg/l | | | 700 | | | - | 700 | _ |
| Magnesium-Total | 35 | 782 | mg/l | | - 1 | 756 | _ | | - | 789 | _ |
| Manganese-Dissolved | 0.3 | 6.89 | mg/l | | | 0.00 | | | | 0.00 | - |
| Manganese-Total | 0.3 | 7.04 | mg/l | | | 2.93 | | | - 1 | 3.02 | |
| Mercury-Dissolved | 0.0007 | 0.0002 | mg/l | | | 0.0000 | 17 | | | | _ |
| Mercury-Total | 0.0007 | 0.0004 | mg/l | | - 0 | 0,0002 | LT | | - 0 | | - |
| Molybdenum-Dissolved | | 0.010 | mg/I | | - | 0.05 | 17 | | - | 0.05 | 19 |
| Molybednum-Total | 054.05 | 0.0055 | mg/l | | | 0.05 | LT | | | 0.05 | LT |
| oH Bissalast | 6.5 to 8.5 | 7.7 | SU | | - | 7 | - | | 1 | 6.9 | _ |
| Potassium-Dissolved | | 284 | mg/l | | - | 000 | | | - 1 | 252 | - |
| Potassium-Total | 200 | 268 | mg/I | | - | 268 | 1 | | - 1 | 253 | J |
| Selenium-Dissolved | 0.01 | 0.010 | mg/l | | | n nne | LT | | 1 | | _ |
| Selenium-Total Silver-Dissolved | 0.01 | 0.0095 | mg/l | | 1 | 0.005 | LI | | | | - |
| Silver-Dissolved Silver-Total | | | mg/l | | | 0.01 | LT | | | | - |
| 77776 | 20 | 0.0554 10429 | mg/l | | 1 | 10.0 | LI | | 1 | - | + |
| Sodium-Dissolved Sodium-Total | 20 | 11670 | mg/l | | | 8290 | | | | 9640 | + |
| Strontium-Dissolved | - | 102.8 | mg/l | | | 0290 | | | | 9040 | - |
| Strontium-Dissolved | | 102.6 | mg/l mg/l | | 1 | 111 | | | | 111 | _ |
| Sulfate | 250 | 1396 | mg/l | | | 1240 | | | | 3771 | - |
| emperature | 200 | 1300 | Deg. C. | | | 8 | | | 1 | 13 | 1 |
| Total Dissolved Solids | 500 | 89719 | mg/l | | 1 | 46400 | | | 1 | 45500 | 1 |
| urbidity | 5 | 23 | NTU | | - 1 | 13 | | | | 2.1 | + |
| /anadium-Dissolved | - 5 | 0.010 | | | | 13 | _ | | | 4.1 | + |
| | | 0.010 | mg/l | | | 0.05 | LT | | | | + |
| /anadium-Total Zinc-Dissolved | 2.0 | 0.011 | mg/l | | | 0.05 | LI | | | | |
| Zinc-Dissolved Zinc-Total | 2.0 | 0.0227 | mg/l mg/l | | | 0.00 | -LT | | - | _ | + |
| Line Total | 2.0 | 0,0221 | ng/t | | - 14 | 0.02 | 11 | | - | | 1 |

| Analyte | Class GA Groundwater | Assessment | Units | Mai | -21 | May | /-21 | Sep | -21 | No | v-21 |
|------------------------|-------------------------|---------------|---------|---------|----------|--------|----------|---------|----------|---------|----------|
| 10.41.7 | Standard (1) | Trigger Value | 10.00 | Value | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | ~ | 360 | mg/l | 290 | | 280 | | 300 | | 320 | |
| Aluminum-Dissolved | 0.1 | 0.107 | mg/l | | | | | | | - | |
| Aluminum-Total | 0.1 | 1.94 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | 0.50 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Arsenic-Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | |
| Arsenic-Total | 0.025 | 0.0127 | mg/l | 0.00506 | J | 0.01 | LT | 0.00412 | J | 0.01 | LT |
| Boron-Dissolved | 1 | 0.259 | mg/l | | | | | | | | |
| Boron-Total | 1 | 0.240 | mg/l | 0.079 | | 0.0614 | | 0.0992 | | 0.0915 | |
| Bromide | - | 8,4 | mg/l | 1,28 | | 1 | LT | 1.05 | | | |
| Cadmium-Dissolved | 0.005 | 0,005 | mg/l | | | | | | | | |
| Cadmium-Total | 0.005 | 0.0029 | mg/L | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium-Dissolved | - | 264 | mg/l | | | | | | | | |
| Calcium-Total | | 242 | mg/l | 164 | | 153 | 11 | 134 | | 136 | |
| Chloride | 250 | 778 | mg/l | 143 | | 83,7 | | 124 | | 106 | |
| Chromium-Dissolved | 0.05 | 0.010 | mg/l | | | | 17 | | | | |
| Chromium-Total | 0.05 | 0.004 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.00568 | - 4 |
| Conductivity | ~ | 1947 | UMHO/CM | 1455 | | 1240 | | 1235 | | 1275 | |
| Copper-Dissolved | 0.2 | 0.010 | mg/l | | | | | | | | |
| Copper-Total | 0.2 | 0.0043 | mg/L | 0.025 | LT | 0.025 | LI | 0.025 | LT | 0.025 | LT |
| EH- | - | 670 | VOLTS | 64 | | 81 | | +11 | | 52 | |
| Fluoride | 1.5 | 0.3 | mg/l | 0.2 | LT | 0.2 | LT | 0.23 | | 0.24 | |
| Hardness | - | | mg/l | 627 | - | 543 | 1. 4. 34 | 520 | | 521 | |
| Iron-Dissolved | 0.3 | 0.187 | mg/l | | 1 24 | | 9 | | | | |
| Iron-Total | 0.3 | 2,37 | mg/l | 0.372 | | 0.402 | | 0.591 | | 0.342 | |
| Lead-Dissolved | 0.025 | 0.020 | mg/l | | | | 1 | | | | |
| Lead-Total | 0.025 | 0.0088 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium-Dissolved | | 0.5 | mg/l | | | | | | | | |
| Lithium-Total | - | 0.387 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.401 | |
| Magnesium-Dissolved | 35 | 88 | mg/l | | | | | | | | |
| Magnesium-Total | 35 | 79.6 | mg/l | 53 | | 38.9 | | 45.1 | | 44.2 | |
| Manganese-Dissolved | 0.3 | 0.123 | mg/l | | | | 1 | | | | |
| Manganese-Total | 0.3 | 0.16 | mg/l | 0.0339 | | 0.015 | LT. | 0.0337 | | 0.015 | LT |
| Mercury-Dissolved | 0.0007 | 0.0002 | mg/l | | | | | | | | |
| Mercury-Total | 0.0007 | 0.0003 | mg/l | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| Molybdenum-Dissolved | - | 0.010 | mg/l | | | | | | | | |
| Molybednum-Total | | 0.0059 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT. | 0.05 | LT |
| pH | 6.5 to 8.5 | 7.9 | SU | 7.2 | | 7.3 | | 7.2 | | 7.2 | |
| Potassium-Dissolved | - 10° 10° 10° | 8,4 | mg/l | | | | | 1 | | - | |
| Potassium-Total | - | 7.05 | mg/l | 4.27 | J | 3.92 | J | 4.92 | J | 4.56 | J |
| Selenium-Dissolved | 0.01 | 0.010 | mg/l | | | | | | | | |
| Selenium-Total | 0.01 | 0.0120 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Silver-Dissolved | 0.05 | 0.010 | mg/l | - T - 1 | | | | | | | |
| Silver-Total | 0.05 | 0.0109 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Sodium-Dissolved | 20 | 143.3 | mg/l | F | | | 1-0 | | | | |
| Sodium-Total | 20 | 114.2 | mg/l | 42.4 | | 43.4 | 1 | 50 | LT | 44.3 | |
| Strontium-Dissolved | | 2.32 | mg/l | | | | | 17 | | | |
| Strontium-Total | | 1,92 | mg/l | | | 0.838 | | 0.997 | | 0.909 | |
| Sulfate | 250 | 140 | mg/l | 249 | | 186 | | 179 | | 176 | |
| Temperature | ~ | | Deg. C. | 9.0 | | 9.0 | | 9.0 | | 12.0 | |
| Total Dissolved Solids | 500 | 2507 | mg/l | 845 | | 855 | 1 | 790 | | 665 | |
| Turbidity | 5 | 54 | NTU | 16.0 | | 6.6 | | 40.0 | | 10.0 | |
| Vanadium-Dissolved | | 0.010 | mg/l | | | | 1-1 | | | | |
| Vanadium-Total | | 0.004 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc-Dissolved | 2.0 | 0.010 | mg/l | | | | | | | - Y 1 | |
| Zinc-Total | 2.0 | 0.0069 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

| Analyte | Class GA Groundwater | Assessment | Units | Mai | -21 | Ma | y-21 | Sep | -21 | No | v-21 |
|--|-------------------------|---------------|---------|---------|----------|--------|----------|------------|----------|-------------|----------|
| 27429 | Standard (1) | Trigger Value | | Value | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | ~ | 347 | mg/l | 380 | | 300 | | 380 | | 150 | |
| Aluminum-Dissolved | 0.1 | 0.155 | mg/l | | | | | | | | |
| Aluminum-Total | 0.1 | 16.64 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | 0.50 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT. | 0.1 | LT |
| Arsenic-Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | |
| Arsenic-Total | 0.025 | 0.0210 | mg/l | 0.00476 | J | 0.01 | LT | 0.00468 | J | 0.01 | LT |
| Boron-Dissolved | 1 | 0.204 | mg/l | | | | 1 | | | | |
| Boron-Total | 1 | 0.238 | mg/l | 0.0558 | | 0.05 | LT | 0.0618 | | 0.0613 | 1 |
| Bromide | ~ | 10.9 | mg/l | 1.61 | | 1 | LT | 1.35 | | | |
| Cadmium-Dissolved | 0.005 | 0,005 | mg/l | | | | | | | | |
| Cadmium-Total | 0.005 | 0.0029 | mg/L | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium-Dissolved | × | 234 | mg/l | | | | | | | | |
| Calcium-Total | 4 - 1 | 285 | mg/l | 163 | | 143 | 11 | 168 | | 139 | |
| Chloride | 250 | 1188 | mg/l' | 169 | | 104 | | 150 | | 150 | |
| Chromium-Dissolved | 0.05 | 0.010 | mg/L | | | | 1 | | | | |
| Chromium-Total | 0.05 | 0.044 | mg/l | 0.0054 | J | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | | 2632 | UMHO/CM | 1505 | | 1135 | | 1445 | | 1235 | |
| Copper-Dissolved | 0.2 | 0.010 | mg/l | | | | | | | in the land | |
| Copper-Total | 0.2 | 0.0185 | mg/t | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| EH- | - | 524 | VOLTS | 90 | | 75 | | 22 | | 82 | |
| Fluoride | 1.5 | 0.3 | mg/l | 0.2 | LT | 0.2 | - LT | 0.21 | | 0.22 | |
| Hardness | | | mg/f | 630 | 1 | 513 | 1. 45-14 | 651 | | 544 | |
| Iron-Dissolved | 0.3 | 0.137 | mg/l | | | | | | | | |
| Iron-Total | 0.3 | 45.1 | mg/l | 0.115 | | 0.597 | | 0.176 | | 0.1 | LT |
| Lead-Dissolved | 0.025 | 0.020 | mg/l | - | | | 1 | 7 - 23 - 2 | | - | |
| Lead-Total | 0.025 | 0.0139 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium-Dissolved | T PACE III | 0.5 | mg/l | 777 | | 2011 | | | 1 | | |
| Lithium-Total | - | 0.382 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.376 | |
| Magnesium-Dissolved | 35 | 66.0 | mg/l | | | - 20. | 1 | | - | 0.0.0 | |
| Magnesium-Total | 35 | 76.4 | mg/l | 54 | 1 | 37.9 | 1 | 56.3 | 1 | 47.8 | |
| Manganese-Dissolved | 0.3 | 0.091 | mg/l | | | 300 | | 24.5 | | 11.10 | |
| Manganese-Total | 0.3 | 1.36 | mg/l | 0.015 | LT | 0.015 | LT | 0.015 | LT | 0.015 | LT |
| Mercury-Dissolved | 0.0007 | 0.0002 | mg/l | 0.010 | - | 0.010 | - | 0.010 | | 0.010 | - |
| Mercury-Total | 0.0007 | 0.0003 | mg/l | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| Molybdenum-Dissolved | - 0.0001 | 0.010 | mg/l | 0,0002 | | 0,0002 | - | 0.0002 | | 2,0002 | |
| Molybednum-Total | 1 E | 0.0078 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| pH | 6.5 to 8.5 | 8.1 | SU | 7.2 | - | 7.2 | 21 | 7.1 | - | 7.1 | - |
| Potassium-Dissolved | - 0.5 15 0.5 | 10.17 | mg/l | 1.2 | | 1.6 | | - /31 | | - 7.7 | |
| Potassium-Total | | 16.51 | mg/l | 3.22 | 1 | 1.23 | 1 | 3.27 | 1 | 2.97 | J |
| Selenium-Dissolved | 0.01 | 0.012 | mg/l | U.EE | - | 1.20 | | 0.21 | - | 2.01 | - |
| Selenium-Total | 0.01 | 0.0110 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Silver-Dissolved | 0.05 | 0.010 | mg/l | 0.000 | | 0.000 | | 0.003 | | 0.000 | |
| Silver-Total | 0.05 | 0.0101 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| W151.46 1.43m | 20 | | | 0.01 | LI. | 0.01 | - 21 | 0.01 | | 0.01 | |
| Sodium-Dissolved | 20 | 184 | mg/l | 71.5 | | 36.4 | | 54.1 | + | 45.4 | |
| Streetium Disselved | | | mg/l | 1.159 | | 30.4 | | 94.1 | | 40.4 | |
| Strontium-Dissolved Strontium-Total | | 2.67 | mg/l | 0.83 | - | 0.411 | + | 0.857 | 1 | 0.613 | |
| Sulfate | 250 | 171 | mg/l | 146 | | 92.7 | + - | 166 | | 151 | 1 |
| 7.20000 | | - 4/1 | mg/l | 9.0 | 1 | 9.0 | - | 11.0 | - | 13 | - |
| Temperature | - F00 | 1070 | Deg. C. | | | | | | - | | |
| Total Dissolved Solids | 500 | 1973 | mg/l | 800 | | 700 | | 915 | | 710 | |
| Turbidity | 5 | 1142 | NTU | 6.0 | | 5.0 | - | 21.0 | _ | 1.9 | - |
| Vanadium-Dissolved | - | 0.010 | mg/l | A 4# | 115 | 0.00 | 100 | 0.00 | 1- | 0.55 | 100 |
| Vanadium-Total | | 0.053 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc-Dissolved | 2.0 | 0.010 | mg/l | | | | - | | | 1.22 | 1.0 |
| Zinc-Total | 2.0 | 0,0838 | mg/i | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

| Analyte | Class GA Groundwater | Assessment | Units | Mai | r-21 | May | -21 | Sep | -21 | No | v-21 |
|------------------------|-------------------------|---------------|---------|---------|----------|---------|----------|---------|----------|--------|----------|
| 11317 | Standard (1) | Trigger Value | 10.00 | Value | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | ~ | 462 | mg/l | 360 | | 360 | | 300 | | 360 | 1 |
| Aluminum-Dissolved | 0.1 | 0.050 | mg/l | 20 | 10 | - 13 | | | 797 | 0.5 | - 10 |
| Aluminum-Total | 0.1 | 12.78 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | 0.50 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT. | 0.1 | LT |
| Arsenic-Dissolved | 0,025 | 0.020 | mg/l | | | ***** | | | | -22. | - |
| Arsenic-Total | 0.025 | 0.0122 | mg/l | 0.00347 | J | 0.00517 | Ų | 0.00468 | J | 0.01 | LT |
| Boron-Dissolved | 1 | 0.197 | mg/l | | | | - | | - | | |
| Boron-Total | 1 | 0,256 | mg/l | 0.0589 | | 0.0516 | 14 | 0.0778 | | 0.0746 | |
| Bromide | | 1,0 | mg/l | 1 | LT | _ 1 | LT | 1 | LT | | |
| Cadmium-Dissolved | 0.005 | 0,005 | mg/l | 2.555 | 15 | A AAF | 1. | | | 0.005 | 1 |
| Cadmium-Total | 0.005 | 0.0029 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium-Dissolved | | 82.3 | mg/l | | | | | 20.3 | - | 414 | _ |
| Calcium-Total | 5 | 101.9 | mg/l | 86 | | 80.8 | 1 | 95.6 | 1 | 84.6 | 1 |
| Chloride | 250 | 66.8 | mg/l' | 41 | | 35.4 | - | 86.9 | | 61.7 | - |
| Chromium-Dissolved | 0.05 | 0.010 | mg/l | | | 15.63 | - | | | | |
| Chromium-Total | 0.05 | 0.0231 | mg/l | 0.01 | LT | 0.01 | LT | 0.00486 | J | 0.01 | LT |
| Conductivity | - | 980 | UMHO/CM | 1015 | | 970 | | 1120 | | 1070 | |
| Copper-Dissolved | 0.2 | 0.010 | mg/l | 7744 | | 87445 | | | - | 727484 | 1- |
| Copper-Total | 0.2 | 0.0060 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| EH- | | 597 | VOLTS | 93 | | 92 | 1.0 | 26 | | 84 | |
| Fluoride | 1.5 | 0.3 | mg/l | 0,2 | LT | 0.2 | LT | 0.23 | 1 | 0.21 | 4 |
| Hardness | - | | mg/l | 491 | | 470 | _ | 542 | - | 473 | - |
| Iron-Dissolved | 0.3 | 0.114 | mg/L | | 1 | - 63 | 100 | 0.407 | | | 1-1- |
| Iron-Total | 0.3 | 16.6 | mg/l | 0.1 | LT | 0.1 | - 17 | 0.104 | - | 0.1 | LT |
| Lead-Dissolved | 0.025 | 0.020 | mg/l | 2 222 | 12 | 2 200 | | 0.000 | 12 | | 1 |
| Lead-Total | 0.025 | 0.0093 | mg/l | 0.003 | LT | 0,003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium-Dissolved | | 0.5 | mg/l | 0.700 | | 2412 | | 2 201 | | 0.070 | - |
| Lithium-Total | | 0.387 | mg/l | 0.139 | | 0.118 | - | 0.325 | - | 0.275 | - |
| Magnesium-Dissolved | 35 | 72.7 | mg/l | 200 | | 25.1 | - | 70.0 | - | 20.7 | - |
| Magnesium-Total | 35 | 78.1 | mg/l | 67.3 | | 65.1 | - | 73.6 | - | 63.7 | - |
| Manganese-Dissolved | 0.3 | 0.093 | mg/t | 0.045 | 19 | 0.045 | 174 | 0.045 | 1 1 | 0.045 | 12 |
| Manganese-Total | 0.3 | 0.46 | mg/l | 0.015 | LT | 0.015 | LT | 0.015 | LT | 0.015 | LT |
| Mercury-Dissolved | 0.0007 | 0.0002 | mg/l | 2 2022 | 1.2 | 0.0000 | 19 | 2 2222 | | 0.0000 | 1.5 |
| Mercury-Total | 0.0007 | 0.0003 | mg/l | 0,0002 | LŢ | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| Molybdenum-Dissolved | - | 0.039 | mg/l | 0.05 | 19 | 0.05 | 170 | 0.05 | 12 | 0.05 | 17 |
| Molybednum-Total | 054.05 | 0.0657 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LJ. | 0.05 | LT |
| pH Bisselved | 6.5 to 8.5 | 8.1 | SU | 7.4 | | 7.4 | | 7.4 | - | 7.3 | |
| Potassium-Dissolved | | 19.3 | mg/l | 1.50 | | 1.46 | - | 2 40 | - | 4.70 | |
| Potassium-Total | 200 | 22.9 | mg/l | 4.56 | J | 4.18 | J | 5.16 | - | 4.79 | L L |
| Selenium-Dissolved | 0.01 | 0.014 | mg/l | 0.005 | 177 | 0.005 | 17 | 0.005 | 177 | 0.005 | LT |
| Selenium-Total | 0.01 | 0.0109 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | L) |
| Silver-Dissolved | 0.05 | 0.010 | mg/l | 0.04 | 1.0 | 0.04 | 1. | 0.04 | 1.0 | 201 | 1.7 |
| Silver-Total | 0.05 | 0.0101 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Sodium-Dissolved | 20 | 28.0 | mg/l | 24.5 | | 7/7 | | 20.0 | | 20.0 | |
| Sodium-Total | 20 | 28.9 | mg/l | 24,5 | | 24.7 | | 32.6 | - | 28.8 | - |
| Strontium-Dissolved | - | 0.545 | mg/l | 0.57 | | 0.004 | | 0.040 | | 0.672 | + |
| Strontium-Total | 250 | 0.676 | mg/l | 0.57 | t | 0.561 | | 0.648 | | 0.573 | |
| Sulfate | 250 | 131 | mg/l | 8.0 | - | 7.0 | | 10.0 | | 135 | - |
| Temperature | 500 | 626 | Deg. C. | | 1 | | | | \vdash | | |
| Total Dissolved Solids | 500 | 636 | mg/l | 560 | | 600 | | 765 | | 560 | - |
| Turbidity | 5 | 413 | NTU | 7.8 | - | 1,4 | | 19.0 | - | 3.0 | + |
| Vanadium-Dissolved | | 0.010 | mg/l | 0.00 | 100 | 0.00 | 17 | 0.00 | 1- | 0.00 | 1.0 |
| Vanadium-Total | | 0.022 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc-Dissolved | 2.0 | 0.010 | mg/l | 0.00 | 1.7 | 0.40 | 120 | 0.00 | 12 | 0.00 | 1.2 |
| Zinc-Total | 2.0 | 0.0359 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | 1.7 | 0.02 | LT |

| Analyte | Class GA Groundwater | Assessment | Units | Ma | r-21 | May | y-21 | Se | p-21 | No | /-21 |
|------------------------|-------------------------|---------------|--------------|-------|----------|---------|----------|-------|----------|---|----------|
| 20.862 | Standard (1) | Trigger Value | | Value | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | ~ | 27.6 | mg/l | | | 190 | | | | 60 | |
| Aluminum-Dissolved | 0.1 | 0.480 | mg/l | | | | | | - 1 | | |
| Aluminum-Total | 0.1 | 0.896 | mg/l | | | 0.2 | LT | | 1 | | |
| Ammonia | 2 | 14.55 | mg/l | | | 6 | | | - 1 | 12.1 | |
| Arsenic-Dissolved | 0.025 | 0.023 | mg/l | | | | | | | | |
| Arsenic-Total | 0.025 | 0.0288 | mg/l | | | 0.00497 | 1 | | - 1 | 0.00251 | J |
| Boron-Dissolved | 1 | 3.79 | mg/l | | | | | | 1 | | |
| Boron-Total | 1 | 3.84 | mg/l | | | 1.14 | + + 1 | | - 1 | 1.98 | |
| Bromide | - | 472 | mg/l | | - 1 | 77.6 | | | 1 | | |
| Cadmium-Dissolved | 0.005 | 0,005 | mg/l | | | | | | 1 | | |
| Cadmium-Total | 0.005 | 0.0030 | mg/L | | | 0.005 | LT | | - 1 | 0.005 | LT |
| Calcium-Dissolved | | 5228 | mg/l | | | | | | 1 | | |
| Calcium-Total | | 5268 | mg/l | | | 1240 | | | 1 | 3590 | |
| Chloride | 250 | 24857 | mg/l | | | 6760 | | | - 1 | 2.5 | |
| Chromium-Dissolved | 0.05 | 0.010 | mg/L | | | | 1 | | 1 | | 1 |
| Chromium-Total | 0.05 | 0.0056 | mg/l | | | 0.01 | LT | | | - | |
| Conductivity | - 0.00 | 90006 | UMHO/CM | | | 18630 | | | 1 | 44060 | |
| Copper-Dissolved | 0.2 | 0.010 | mg/l | | | 12496 | | | 1 | (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| Copper-Total | 0.2 | 0.0128 | mg/l | | - 9 | 0.025 | LT | | 1 | | |
| EH- | - | 545 | VOLTS | | | 49 | | | 1 | 141 | |
| Fluoride | 1.5 | 0.5 | mg/l | | | 0.2 | LT | | 1 | 351 | |
| Hardness | 1.0 | 0.5 | mg/l | | 1 | 4015 | | | 1 | | + |
| ron-Dissolved | 0.3 | 5.51 | mg/l | | 1 | 4015 | 1 | | - | - | _ |
| ron-Total | 0.3 | 6.28 | mg/l | | | 0.1 | LT | | 1 | 0.104 | _ |
| Lead-Dissolved | 0.025 | 0.020 | mg/l | | | 0.1 | Li | | 1 | 0.104 | _ |
| Lead-Total | 0.025 | 0.0178 | mg/l | | 1 | 0.003 | LT | | | | _ |
| Lithium-Dissolved | | 13.33 | | | 1 | 0,003 | 1 | | - | | + |
| Lithium-Total | | 11.73 | mg/l | n | RY | 2.39 | - | D | RY | 11.7 | _ |
| Magnesium-Dissolved | 35 | 686 | mg/l | | | 2.38 | 1 | | (5) | 11.1 | _ |
| Magnesium-Total | 35 | 712 | mg/l mg/l | | | 223 | | | | 607 | - |
| Manganese-Dissolved | 0.3 | 6.15 | | | | 223 | _ | | 1 | 007 | + |
| | 0.3 | 6.26 | mg/l | | | 0.816 | | | | 1.71 | - |
| Manganese-Total | 0.0007 | 0.0002 | mg/l | | | 0.676 | _ | | | 1161 | - |
| Mercury-Dissolved | 0.0007 | 0.0002 | mg/l | | | 0.0002 | LT | | - | | _ |
| Mercury-Total | | 0.010 | mg/l | | - 0 | 0,0002 | 1 | | | | - |
| Molybdenum-Dissolved | | | mg/l | | | 0.05 | LT | | - | 0.00 | LT |
| Molybednum-Total | 054-05 | 0.0090 | mg/l | | | 0.05 | LI | | | 0.05 | LI |
| oH . | 6.5 to 8.5 | 7.4 | SU | | | 7 | - | | - 1 | 6.8 | _ |
| Potassium-Dissolved | | 230 | mg/l | | | 170 | 1 | | 1 | 020 | - |
| Potassium-Total | 0.04 | 223 | mg/l | | | 176 | 1 | | - 1 | 67.9 | L L |
| Selenium-Dissolved | 0.01 | 0.015 | mg/l | | | n coc | 17 | | } | | |
| Selenium-Total | 0.01 | 0.0133 | mg/l | | | 0.005 | LT | | | | |
| Silver-Dissolved | 0.05 | 0.010 | mg/i | | | 0.04 | 1. | | | | - |
| Silver-Total | 0.05 | 0.0101 | mg/l | | | 0.01 | LT | | | | - |
| Sodium-Dissolved | 20 | 9404 | mg/l | | | 0075 | 1 | | | ***** | |
| Sodium-Total | 20 | 9463 | mg/l | | | 2270 | - | | 1 | 7850 | _ |
| Strontium-Dissolved | | 95.4 | mg/i | | | ne s | | | | - 20 | - |
| Strontium-Total | 170 | 96.7 | mg/l | | | 28.9 | - | | | 92.3 | - |
| Sulfate | 250 | 1465 | mg/l | | | 503 | - | | 1 | - 4- | |
| Temperature | - Y | 99110 | Deg. C. | | | 8 | | | | 13 | |
| Total Dissolved Solids | 500 | 57240 | mg/l | | | 15400 | | | | 31100 | - |
| Turbidity | 5 | 31 | NTU | | | 1.2 | | | | 2.6 | |
| Vanadium-Dissolved | | 0.010 | mg/l | | | 75.37 | 1-1 | | | | |
| /anadium-Total | | 0.008 | mg/l | | | 0.05 | LT | | | | |
| Zinc-Dissolved | 2.0 | 0.018 | mg/l. | | | 17.52 | 1 | | | | |
| Zinc-Total | 2.0 | 0.0180 | mg/l | | | 0.02 | -1T | | | 14 | |

| Analyte | Class GA Groundwater | Assessment | Units | Mar | -21 | Ma | y-21 | Sep | -21 | No | v-21 |
|-------------------------------------|-------------------------|---------------|---------|---------|----------|--------|----------|--------|----------|----------|----------|
| 1000 | Standard (1) | Trigger Value | 10.00 | Value | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | 338 | mg/l | 340 | | 340 | | 360 | | 360 | |
| Aluminum-Dissolved | 0.1 | 0.050 | mg/l | | | - | | | | - | |
| Aluminum-Total | 0.1 | 2.359 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | 0.50 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Arsenic-Dissolved | 0,025 | 0.020 | mg/l | | | | | | | | - |
| Arsenic-Total | 0.025 | 0.0126 | mg/l | 0.00528 | J | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Boron-Dissolved | 1 | 0.208 | mg/l | | | | | | | | |
| Boron-Total | 1 | 0.232 | mg/l | 0.153 | | 0.107 | | 0.116 | | 0.13 | - |
| Bromide | - | 1.6 | mg/l | 1 | LT | 1 | LT | 1 | LT | | |
| Cadmium-Dissolved | 0.005 | 0.005 | mg/l | | | TITLE | 1 | | | 7777 | |
| Cadmium-Total | 0.005 | 0.0032 | mg/L | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium-Dissolved | | 121.8 | mg/l | | | | | - | | | - |
| Calcium-Total | | 123,5 | mg/l | 142 | | 148 | | 155 | | 148 | |
| Chloride | 250 | 153,9 | mg/l | 85.3 | | 83.2 | | 86.1 | | 105 | |
| Chromium-Dissolved | 0.05 | 0.010 | mg/l | | | | 1-1 | | | | |
| Chromium-Total | 0.05 | 0.0061 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT- | 0.01 | LT |
| Conductivity | - | 1172 | UMHO/CM | 1290 | | 1260 | | 1265 | | 1280 | |
| Copper-Dissolved | 0.2 | 0.010 | mg/l | | | | | | | | |
| Copper-Total | 0.2 | 0.0040 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| EH- | | 629 | VOLTS | 63 | | 52 | | 2 | | 54 | |
| Fluoride | 1.5 | | mg/l | 0.2 | LT | 0.2 | LT | 0.24 | | 0.24 | |
| Hardness | - 2 | | mg/l | 573 | 1 | 602 | 1. 4. 34 | 629 | | 600 | |
| Iron-Dissolved | 0.3 | 0.069 | mg/L | | 14 | | 1 | | | | |
| Iron-Total | 0.3 | 4.42 | mg/l | 0.23 | | 0.1 | - LT | 10 | | 0.238 | |
| Lead-Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | |
| Lead-Total | 0.025 | 0.0103 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium-Dissolved | | 0.5 | mg/l | | | | | | | | |
| Lithium-Total | - | 0.393 | mg/l | 0,1 | LT | 0.1 | LT | 0.364 | | 0.313 | |
| Magnesium-Dissolved | 35 | 43.8 | mg/l | | | | | | | | |
| Magnesium-Total | 35 | 44.0 | mg/l | 52.9 | | 56.6 | | 58.8 | | 56.2 | |
| Manganese-Dissolved | 0.3 | 0.043 | mg/l | | | | | | | | |
| Manganese-Total | 0.3 | 0.127 | mg/l | 0.015 | LT | 0.015 | LT. | 0.0335 | 1 1 | 0.015 | LT |
| Mercury-Dissolved | 0.0007 | 0.0002 | mg/l | | | | | | | 1000 | |
| Mercury-Total | 0.0007 | 0.0003 | mg/l | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| Molybdenum-Dissolved | 5.550 | 0.010 | mg/l | 212222 | | | | VICTOR | 1 | - Alvers | - 3/ |
| Molybednum-Total | | 0.0069 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| pH | 6.5 to 8.5 | 8.1 | SU | 7.2 | - | 7.1 | 2, | 7.2 | 1 | 7.2 | - |
| Potassium-Dissolved | - | 7.1 | mg/l | 1.12 | | | | 7.2 | | 7.4 | |
| Potassium-Total | | 7.5 | mg/l | 5.21 | 1 1 | 4.34 | 3 | 4.64 | 1 | 4.26 | J |
| Selenium-Dissolved | 0.01 | 0.011 | mg/l | 0,01 | 1 - 1 | 1,01 | 1 | 1.0.1 | 1 - | 1,20 | - |
| Selenium-Total | 0.01 | 0.0115 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Silver-Dissolved | 0.05 | 0.010 | mg/l | 0.000 | - | 0.000 | | 0.000 | | 0.000 | - |
| Silver-Total | 0.05 | 0.0113 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Sodium-Dissolved | 20 | 69.0 | mg/l | 0.01 | | 0.01 | 20 | 0.01 | | 0.01 | |
| Sodium-Total | 20 | 57.9 | mg/l | 41.9 | | 38.6 | | 39.2 | + | 36.1 | - |
| Strontium-Dissolved | | 1.9 | | 41.0 | | 00.0 | | 55.2 | | 30.1 | + |
| Strontium-Dissolved Strontium-Total | | 1.689 | mg/l | 1.28 | - | 1.09 | | 1.17 | + | 1.07 | - |
| Sulfate | 250 | 1.689 | mg/l | 1.28 | | 200 | | 243 | 1 | 246 | |
| | | 100 | mg/l | | | | - | | - | | - |
| Temperature | | 700 | Deg. C. | 12.0 | 1 | 11.0 | 1 | 11.0 | _ | 13.0 | 1 |
| Total Dissolved Solids | 500 | 736 | mg/l | 720 | | 975 | | 865 | 1 | 790 | - |
| Turbidity | 5 | 124.6 | NTU | 2.3 | | 0.3 | | 12.0 | - | 2.6 | - |
| Vanadium-Dissolved | | 0.010 | mg/l | | - | | 17.0 | | - | 222 | - 12 |
| Vanadium-Total | ~ ~ | 0.006 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc-Dissolved | 2.0 | 0.010 | mg/l | | | | | | | | |
| Zinc-Total | 2.0 | 0.0093 | mg/i | 0.02 | LT | 0.02 | LT | 0.02 | _LT | 0.02 | LT |

| Analyte | Class GA Groundwater | Assessment | Units | Ma | r-21 | May | /-21 | Sep | -21 | No | v-21 |
|------------------------|---|---------------|---------|--------|----------|---------|----------|---------|----------|--------|----------|
| 10307 | Standard (1) | Trigger Value | 1,5 | Value | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 1-0 | 393 | mg/l | 370 | | 380 | | 410 | | 370 | - |
| Aluminum-Dissolved | 0.1 | 0.050 | mg/l | | | | | | | 2000 | |
| Aluminum-Total | 0.1 | 2.754 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | 0.50 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | L7 | 0.1 | LT |
| Arsenic-Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | - |
| Arsenic-Total | 0.025 | 0.0125 | mg/l | 0.0055 | J | 0.00403 | J | 0.00431 | J | 0.01 | LT |
| Boron-Dissolved | 1 | 0.127 | mg/l | | | | | | | | |
| Boron-Total | 1 | 0.159 | mg/l | 0.308 | | 0.362 | | 0.559 | | 0.178 | |
| Bromide | | 1.4 | mg/l | | LT | . 1 | LT | 1 | LT | | - |
| Cadmium-Dissolved | 0.005 | 0.005 | mg/l | 4332 | | | | | | 727446 | |
| Cadmium-Total | 0.005 | 0.0032 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium-Dissolved | | 150.5 | mg/l | | | | | | | | |
| Calcium-Total | * | 153.3 | mg/l | 244 | | 318 | | 352 | | 195 | |
| Chloride | 250 | 174.8 | mg/l | 45.7 | | 55.9 | | 39.6 | | 41.1 | |
| Chromium-Dissolved | 0.05 | 0.010 | mg/L | | | | 1-1 | | | | |
| Chromium-Total | 0.05 | 0.0057 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | ~ | 1227 | UMHO/CM | 1970 | | 2115 | | 2145 | | 1455 | |
| Copper-Dissolved | 0.2 | 0.010 | mg/l | | | | | | | - | |
| Copper-Total | 0.2 | 0.0041 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| EH- | - | 576 | VOLTS | 74 | | 57 | | 0 | | 62 | |
| Fluoride | 1.5 | | mg/l | 0.2 | U | 0.2 | LT | 0.2 | LT | 0.24 | |
| Hardness | - | | mg/l | 1026 | | 1257 | 1 | 1376 | | 773 | |
| Iron-Dissolved | 0.3 | 0.024 | mg/L | | 34 | | | | | | |
| Iron-Total | 0.3 | 4.37 | mg/l | 0.473 | | 0.1 | - LT | 0.1 | LT | 0.1 | LT |
| Lead-Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | |
| Lead-Total | 0.025 | 0.0100 | mg/l | 0.003 | LT | 0,003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium-Dissolved | TA I | 0.5 | mg/l | | | | | | | | |
| Lithium-Total | - | 0.394 | mg/l | 0.156 | | 0.1 | LT | 0.348 | | 0.242 | |
| Magnesium-Dissolved | 35 | 57.1 | mg/l | | | | | | | | |
| Magnesium-Total | 35 | 57.7 | mg/l | 101 | | 112 | | 121 | | 69.6 | |
| Manganese-Dissolved | 0.3 | 0.048 | mg/l | | | | 1-27-14 | | | | |
| Manganese-Total | 0.3 | 0.169 | mg/l | 0.015 | LT | 0.015 | LT | 0.015 | LT | 0.015 | LT |
| Mercury-Dissolved | 0.0007 | 0.0002 | mg/l | | | | | | | | |
| Mercury-Total | 0.0007 | 0.0003 | mg/t | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| Molybdenum-Dissolved | | 0.010 | mg/l | 21444 | | | | | | | |
| Molybednum-Total | | 0.0061 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT. | 0.05 | LT |
| pH | 6.5 to 8.5 | 7.5 | SU | 7.0 | | 7 | | 6.9 | | 7.0 | |
| Potassium-Dissolved | | 3,9 | mg/l | | | | | 4 4 - | | | |
| Potassium-Total | | 4.5 | mg/l | 3.87 | J | 3.51 | 3 | 4.03 | 1 | 3.43 | J |
| Selenium-Dissolved | 0.01 | 0.011 | mg/l | - City | | 3.4. | | | 1 - 1 | | |
| Selenium-Total | 0.01 | 0.0113 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Silver-Dissolved | 0.05 | 0.010 | mg/i | 01000 | | 7.000 | | 5.000 | 1 | 0.000 | |
| Silver-Total | 0.05 | 0.0113 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Sodium-Dissolved | 20 | 28.2 | mg/l | 0,01 | | 7,0,1 | | 5.01 | | 0.01 | - |
| Sodium-Total | 20 | 33.6 | mg/l | 30.5 | | 35 | | 37.2 | | 26.5 | |
| Strontium-Dissolved | - | 0.6 | mg/l | Gara | | 500 | | H 136 | 1 | 20.0 | |
| Strontium-Total | | 0.784 | mg/l | 1 | | D.922 | | 0.981 | | 0.704 | 1 |
| Sulfate | 250 | 205 | mg/l | 781 | | 1580 | | 992 | | 506 | |
| Temperature | 200 | 200 | Deg. C. | 11.0 | - | 10.0 | - | 12.0 | 1 | 13.0 | |
| Total Dissolved Solids | 500 | 979 | mg/l | 1530 | | 1780 | | 1850 | - | 910 | |
| | | 151.0 | NTU | 2.9 | | 0.9 | | | | 0.7 | - |
| Turbidity | 5 | | | 2.9 | | 0.9 | | 0.6 | | 0.7 | + |
| Vanadium-Dissolved | | 0.010 | mg/l | 0.00 | 100 | 0.00 | 17 | 0.00 | 100 | 0.00 | 1.0 |
| Vanadium-Total | | 0.004 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc-Dissolved | 2.0 | 0.010 | mg/l | | 100 | | 100 | 0.00 | 1.5 | 0.75 | 1.2 |
| Zinc-Total | 2.0 | 0,0111 | mg/i | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

| Analyte | Class GA Groundwater | Assessment | Units | Mai | -21 | Ma | y-21 | Sep | -21 | No | v-21 |
|------------------------|-------------------------|---------------|---------|---------|----------|--------|----------|--------|----------|---------|----------|
| 10307 | Standard (1) | Trigger Value | 1,000 | Value | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | 334 | mg/l | 400 | | 300 | | 400 | | 440 | |
| Aluminum-Dissolved | 0.1 | 0.153 | mg/l | | | | | | | | |
| Aluminum-Total | 0.1 | 3.309 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | 0.50 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Arsenic-Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | |
| Arsenic-Total | 0.025 | 0.0126 | mg/l | 0.00533 | J | 0.01 | LT | 0.01 | | 0.01 | LT |
| Boron-Dissolved | 1 | 0.111 | mg/l | | | | | | | | |
| Boron-Total | 1 | 0.110 | mg/l | 0.0529 | | 0.05 | LT | 0.0536 | | 0.0651 | 1 |
| Bromide | - | 1.0 | mg/l | | LT | - 1 | LT | 1 | LT | | |
| Cadmium-Dissolved | 0.005 | 0.005 | mg/l | | | | | | | | |
| Cadmium-Total | 0.005 | 0.0032 | mg/L | 0.005 | LT. | 0.005 | LT. | 0.005 | LT | 0.005 | LT |
| Calcium-Dissolved | × - | 128.3 | mg/l | | | | | | | | |
| Calcium-Total | | 129.3 | mg/l | 276 | | 241 | | 208 | | 241 | |
| Chloride | 250 | 68.5 | mg/l | 5.62 | | 5.62 | | 4.44 | | 6.82 | |
| Chromium-Dissolved | 0.05 | 0.010 | mg/l | | | | A-1 | | | | |
| Chromium-Total | 0.05 | 0.0065 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | | 852 | UMHO/CM | 1600 | | 1300 | | 1420 | | 1640 | |
| Copper-Dissolved | 0.2 | 0.010 | mg/l | 100 | | | | | | | |
| Copper-Total | 0.2 | 0.0329 | mg/t | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| EH- | | 505 | VOLTS | 86 | | 68 | | -114 | | 63 | |
| Fluoride | 1.5 | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | | 0.39 | |
| Hardness | | | mg/f | 994 | 11-2-1 | 854 | 1.00 | 784 | | 914 | |
| Iron-Dissolved | 0.3 | 0.247 | mg/L | | | | | | | | |
| Iron-Total | 0.3 | 4.05 | mg/l | 0.222 | | 0.1 | - LT | 1.71 | | 0.158 | |
| Lead-Dissolved | 0.025 | 0.020 | mg/l | | | | | 1.0 | | 3000 | |
| Lead-Total | 0.025 | 0.0100 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium-Dissolved | - | 0.5 | mg/l | | | 3013 | | | 1 | | |
| Lithium-Total | - | 0.396 | mg/l | 0,1 | LT | 0.1 | LT | 0.157 | 1 1 | 0.135 | |
| Magnesium-Dissolved | 35 | 34.6 | mg/l | | | | | | 1 1 | 10.00 | |
| Magnesium-Total | 35 | 35.7 | mg/l | 74 | | 61.4 | | 64.1 | | 76 | |
| Manganese-Dissolved | 0.3 | 0.099 | mg/l | | | 200 | | 2.00 | | | |
| Manganese-Total | 0.3 | 0.211 | mg/l | 0.0288 | 1 | 0.015 | LT | 0.1 | 1 1 | 0.0243 | + |
| Mercury-Dissolved | 0.0007 | 0.0002 | mg/l | 0.0000 | | .0.0.0 | | | 1 | 4100.10 | |
| Mercury-Total | 0.0007 | 0.0003 | mg/l | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| Molybdenum-Dissolved | 0.0001 | 0.010 | mg/l | Dibbox | | 0,0002 | - | 0.0002 | 1 - | 0.0002 | - |
| Molybednum-Total | | 0.0061 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT. | 0.05 | LT |
| pH | 6.5 to 8.5 | 8.1 | SU | 7.0 | - | 7 | | 7.0 | | 6.9 | |
| Potassium-Dissolved | - 0.0 10 0.0 | 3.1 | mg/l | | | - | - | 7.0 | | .0.0 | |
| Potassium-Total | | 4.1 | mg/l | 1.76 | -1 | 1.37 | 3 | 1.84 | 1 | 1.89 | J. |
| Selenium-Dissolved | 0.01 | 0.011 | mg/i | 1.70 | | 1.07 | - | 1.04 | - | 1.05 | - |
| Selenium-Total | 0.01 | 0.0129 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Silver-Dissolved | 0.05 | 0.010 | mg/l | 0.000 | - | 0.000 | | 0.000 | | 0.000 | - |
| Silver-Total | 0.05 | 0.0132 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Sodium-Dissolved | 20 | 14.5 | mg/l | 0.01 | | 0,01 | - 21 | 0.01 | | 0.01 | |
| Sodium-Total | 20 | 13.8 | mg/l | 14.2 | | 13.6 | | 14.2 | | 15 | |
| Strontium-Dissolved | - | 0.5 | mg/l | 17.6 | | 10.0 | | 14.6 | 1 | 10 | - |
| Strontium-Total | | 0.353 | mg/l | 0.424 | | 0.362 | | 0.4 | | 0.432 | |
| Sulfate | 250 | 117 | mg/l | 520 | | 355 | | 462 | | 593 | |
| Temperature | 250 | 117 | Deg. C. | 9.0 | - | 9.0 | | 10.0 | - | 12.0 | _ |
| Total Dissolved Solids | 500 | 543 | mg/l | 1100 | | 1010 | | 1080 | 1 | 1120 | |
| | | 194.4 | NTU NTU | 1.5 | | 2.2 | | 11.0 | 1 | 2.6 | - |
| Turbidity | 5 | | | 1,5 | - | 2.2 | | 11.0 | | 2.0 | + |
| Vanadium-Dissolved | | 0.010 | mg/l | 0.00 | 100 | 0.00 | 177 | 0.00 | 1- | 0.00 | 17 |
| Vanadium-Total | 20 | 0.005 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc-Dissolved | 2.0 | 0.010 | mg/l | 0.00 | 1.2 | 0.00 | 100 | 0.00 | 1.5 | 0.00 | 1.2 |
| Zinc-Total | 2.0 | 0,0128 | mg/i | 0.02 | LT | 0.02 | LT | 0.02 | -17 | 0.02 | LT |

| Analyte | Class GA Groundwater | Assessment | Units | Mai | -21 | May | /-21 | Sej | 0-21 | No | v-21 |
|------------------------|-------------------------|---------------|---------|---------|----------|--------|----------|--------|----------|---------|----------|
| 5,007,0 | Standard (1) | Trigger Value | 5 | Value | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | ~ | 463 | mg/l | 470 | | 360 | | 510 | | 460 | |
| Aluminum-Dissolved | 0.1 | 0.050 | mg/l | | | | - | | | | |
| Aluminum-Total | 0.1 | 11.386 | mg/l | 0.642 | | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | 0.50 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | L7 | 0.1 | LT |
| Arsenic-Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | |
| Arsenic-Total | 0.025 | 0.0124 | mg/l | 0.00704 | J | 0.0126 | | 0.0149 | | 0.00938 | J |
| Boron-Dissolved | 1 | 0.721 | mg/l | | | | | | | | |
| Boron-Total | 1 | 0.811 | mg/l | 0.14 | | 0.0907 | | 0.148 | | 0.148 | |
| Bromide | ~ | 1.8 | mg/l | 1 | LT | - 1 | LT | 1 | LT | | |
| Cadmium-Dissolved | 0.005 | 0.005 | mg/l | | 1 1 | | | | | | |
| Cadmium-Total | 0.005 | 0.0032 | mg/L | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium-Dissolved | - | 151.6 | mg/l | | | | | | | | |
| Calcium-Total | 4 1 | 155.0 | mg/l | 280 | | 307 | | 298 | | 312 | |
| Chloride | 250 | 125.1 | mg/l | 46.5 | | 10.3 | | 28.2 | | 40.1 | |
| Chromium-Dissolved | 0.05 | 0.010 | mg/l | | | | 100 | - | | | |
| Chromium-Total | 0.05 | 0.0218 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | ~ | 1243 | UMHO/CM | 1865 | | 1775 | | 2185 | | 2200 | |
| Copper-Dissolved | 0.2 | 0.010 | mg/l | | | | | | | | |
| Copper-Total | 0.2 | 0.0114 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| EH- | | 687 | VOLTS | 88 | | 13 | | 29 | | -13 | |
| Fluoride | 1.5 | | mg/l | 0.25 | | 0.2 | LT | 0.23 | | 0.29 | |
| Hardness | 2 | | mg/l | 1129 | 1 | 1085 | 1-2-34 | 1215 | | 1277 | |
| Iron-Dissolved | 0.3 | 3.432 | mg/L | | | | | | | | |
| Iron-Total | 0.3 | 19.04 | mg/l | 1.22 | | 3.33 | | 0.856 | | 4.16 | |
| Lead-Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | |
| Lead-Total | 0.025 | 0.0132 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium-Dissolved | | 0.5 | mg/l | | | | | | | | |
| Lithium-Total | - | 0.393 | mg/l | 0.208 | | 0.1 | LT | 0.369 | | 0.358 | |
| Magnesium-Dissolved | 35 | 62.1 | mg/l | | | | | | | | |
| Magnesium-Total | 35 | 66.6 | mg/l | 104 | | 77.1 | | 115 | | 121 | |
| Manganese-Dissolved | 0.3 | 0.907 | mg/l | | | | | | | | |
| Manganese-Total | 0.3 | 0.911 | mg/l | 0.137 | 1 10 | 0.295 | 1 | 0.826 | 1 1 | 0.441 | |
| Mercury-Dissolved | 0.0007 | 0.0002 | mg/l | | | | | | | | |
| Mercury-Total | 0.0007 | 0.0003 | mg/l | 0,0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| Molybdenum-Dissolved | | 0.020 | mg/l | | | | | | | | |
| Molybednum-Total | | 0.0232 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| pH | 6.5 to 8.5 | 7.8 | SU | 7.0 | | 7.1 | | 7.0 | | 6.9 | |
| Potassium-Dissolved | | 27.3 | mg/l | | 1 | | | 100 | | | |
| Potassium-Total | | 26.2 | mg/l | 8.54 | | 2.58 | J | 7.59 | | 6.77 | |
| Selenium-Dissolved | 0.01 | 0.011 | mg/l | | | | | | | | |
| Selenium-Total | 0.01 | 0.0113 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Silver-Dissolved | 0.05 | 0.010 | mg/l | - T. T. | 1000 | | | 10.400 | | | - |
| Silver-Total | 0.05 | 0.0113 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Sodium-Dissolved | 20 | 86.9 | mg/l | | | | | | | | |
| Sodium-Total | 20 | 117.5 | mg/l | 36.7 | | 23 | | 38.8 | | 41 | |
| Strontium-Dissolved | 2 | 2.7 | mg/l | | | | 1 | | | | |
| Strontium-Total | | 3.497 | mg/l | 1.37 | | 0.956 | | 1.63 | | 1.51 | |
| Sulfate | 250 | 285 | mg/l | 757 | 7 | 707 | | 702 | | 888 | |
| Temperature | | | Deg. C. | 11.0 | | 9.0 | | 9.0 | | 12.0 | |
| Total Dissolved Solids | 500 | 784 | mg/l | 1620 | | 1410 | | 1440 | | 1560 | |
| Turbidity | 5 | 256.1 | NTU | 24.0 | | 4.0 | | 22.0 | | 12.0 | |
| Vanadium-Dissolved | | 0.010 | mg/l | 0.5 | | | - | | | | |
| Vanadium-Total | | 0.023 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc-Dissolved | 2.0 | 0.010 | mg/l | 2.00 | | 5.00 | 1 | 2.00 | | 5.00 | |
| Zinc-Total | 2.0 | 0.0669 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | L7 | 0.02 | LT |

| Alkalinity — Aluminum-Dissolved 0.1 Aluminum-Total 0.1 Ammonia 2 Arsenic-Dissolved 0.025 Arsenic-Total 0.025 Boron-Dissolved 1 Boron-Total 1 Dromide — Cadmium-Dissolved 0.005 Cadmium-Dissolved — Cadmium-Dissolved — Cadmium-Total — Calcium-Total — Calcium-Total — Calcium-Total — Calcium-Total — Calcium-Total — Chloride 250 Chromium-Dissolved 0.05 Conductivity — Copper-Dissolved 0.2 Copper-Total 0.2 EH— — Fluoride 1.5 Hardness — Fluorid | Assessment | Units | Mai | -21 | Ma | y-21 | Sep | -21 | No | v-21 |
|--|---------------|---------|---------|----------|--------|----------|---------|----------|--------|----------|
| Aluminum-Dissolved 0.1 | Trigger Value | 1,500 | Value | Notation | Value | Notation | Value | Notation | Value | Notation |
| Aluminum-Total 0.1 Ammonía 2 Arsenic-Dissolved 0.025 Arsenic-Total 0.025 Boron-Dissolved 1 Boron-Total 1 Bromide — Cadmium-Dissolved 0.005 Calcium-Dissolved — Calcium-Total 0.005 Calcium-Total — Calcium-Total — Chloride 250 Chromium-Dissolved 0.05 Chromium-Total 0.02 EH- — Fluoride 1.5 Hardness — Iron-Dissolved 0.3 Iron-Total 0.3 Lead-Dissolved 0.025 Lead-Total 0.025 Lead-Total 0.025 Lithium-Dissolved 35 Magnesium-Total 35 Magnesium-Total 35 Manganese-Total 0.3 Mercury-Dissolved 0.0007 Mercury-Total 0.0007 Mercury-Total 0.0007 Molybdenum-Dissolved 0.0007 Mercury-Total 0.0007 Molybdenum-Dissolved 0.001 Selenium-Total 0.01 Silver-Dissolved 0.05 Silver-Dissolved 0.05 Silver-Total 0.05 Sodium-Dissolved 0.05 | 361 | mg/l | 380 | | 360 | | 360 | | 350 | |
| Ammonia 2 Arsenic-Dissolved 0.025 Arsenic-Total 0.025 Boron-Dissolved 1 Boron-Total 1 Bromide — Cadmium-Dissolved 0.005 Cadrium-Dissolved — Calcium-Dissolved — Calcium-Total — Chloride 250 Chromium-Dissolved 0.05 Chromium-Total 0.05 Chromium-Total 0.05 Conductivity — Copper-Dissolved 0.2 EH- — Fluoride 1.5 Hardness — Iron-Dissolved 0.3 Iron-Total 0.3 Lead-Dissolved 0.025 Lead-Total 0.025 Lead-Total 0.025 Lead-Total 0.025 Lead-Total 0.025 Lead-Total 0.025 Lead-Total 0.025 Magnesium-Total 0.3 | 0.050 | mg/l | | | | | | | | |
| Arsenic-Dissolved 0.025 Arsenic-Total 0.025 Boron-Dissolved 1 Boron-Total 1 Boron-Total 1 Bromide - Cadmium-Dissolved 0.005 Cadmium-Total 0.005 Calcium-Dissolved 0.05 Calcium-Total - Chloride 250 Chromium-Dissolved 0.05 Chromium-Total 0.05 Chromium-Total 0.05 Copper-Dissolved 0.2 Cepper-Dissolved 0.2 EH | 0.375 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Arsenic-Total 0.025 | 0.50 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | L7 | 0.1 | LT |
| Boron-Dissolved 1 Boron-Total 1 0.005 Cadmium-Total 0.005 Cadmium-Total 0.005 Calcium-Total 0.005 Cohromium-Dissolved 0.05 Chromium-Total 0.05 Conductivity 0.05 Conductivity 0.05 Conductivity 0.02 Copper-Total 0.2 EH- 1.5 EH- 1. | 0.020 | mg/l | | | | | | | | |
| Boron-Total 1 | 0.0126 | mg/l | 0.00388 | J | 0.01 | LT | 0.00581 | J | 0.01 | LT |
| Bromide | 0.116 | mg/l | | | | | | | | |
| Cadmium-Dissolved 0.005 Cadmium-Total 0.005 Calcium-Dissolved — Calcium-Total — Chloride 250 Chromium-Dissolved 0.05 Chromium-Total 0.05 Conductivity — Copper-Dissolved 0.2 Copper-Dissolved 0.2 EH- — Fluoride 1.5 Hardness — Iron-Dissolved 0.3 Iron-Total 0.3 Lead-Dissolved 0.025 Lead-Total 0.025 Lithium-Dissolved — Magnesium-Dissolved 35 Magnesium-Dissolved 0.3 Manganese-Dissolved 0.3 Mercury-Dissolved 0.0007 Mercury-Total 0.0007 Molybednum-Total — Potassium-Dissolved — Molybednum-Total — Selenium-Total 0.01 Selenium-Dissolved 0.05 Si | 0.122 | mg/l | 0.06 | | 0.05 | LT | 0.1 | | 0.085 | |
| Cadmium-Total 0.005 Calcium-Dissolved — Calcium-Total — Chloride 250 Chromium-Dissolved 0.05 Chromium-Total 0.05 Conductivity — Copper-Dissolved 0.2 EH- — Fluoride 1.5 Hardness — Iron-Dissolved 0.3 Iron-Total 0.3 Lead-Total 0.025 Lead-Total 0.025 Lithium-Dissolved — Magnesium-Dissolved 35 Magnesium-Total 0.3 Manganese-Dissolved 0.3 Marcury-Dissolved 0.0007 Mercury-Dissolved — Molybednum-Total — Potassium-Dissolved — Molybednum-Total — Selenium-Total 0.01 Selenium-Dissolved 0.01 Selenium-Dissolved 0.05 Silver-Total 0.05 Sodium-Total </td <td>1.0</td> <td>mg/l</td> <td>1</td> <td>LT</td> <td>- 1</td> <td>LT</td> <td>1</td> <td>LT</td> <td></td> <td></td> | 1.0 | mg/l | 1 | LT | - 1 | LT | 1 | LT | | |
| Calcium-Dissolved — Calcium-Total — Chloride 250 Chromium-Dissolved 0.05 Chromium-Total 0.05 Conductivity — Copper-Dissolved 0.2 EH— — Fluoride 1.5 Hardness — Iron-Dissolved 0.3 Iron-Total 0.3 Lead-Dissolved 0.025 Lead-Total 0.025 Lithium-Dissolved — Magnesium-Total — Magnesium-Dissolved 0.3 Manganese-Dissolved 0.3 Manganese-Total 0.3 Mercury-Dissolved 0.0007 Mercury-Dissolved — Molybednum-Total — pH 6.5 to 8.5 Potassium-Dissolved 0.01 Selenium-Total — Selenium-Total 0.05 Silver-Total 0.05 Sodium-Total — Strontium-Dissolved | 0,005 | mg/l | | | | | | | | |
| Calcium-Total — Chloride 250 Chromium-Dissolved 0.05 Chromium-Total 0.05 Chromium-Total 0.05 Conductivity — Copper-Dissolved 0.2 EH— — Fluoride 1.5 Hardness — Iron-Dissolved 0.3 Iron-Total 0.3 Lead-Dissolved 0.025 Lead-Total 0.025 Lead-Total — Magnesium-Dissolved — Magnesium-Dissolved 35 Magnesium-Dissolved 0.3 Manganese-Dissolved 0.3 Mercury-Dissolved 0.0007 Mercury-Dissolved — Molybednum-Dissolved — Molybednum-Total — Potassium-Dissolved 0.01 Selenium-Dissolved 0.01 Selenium-Total 0.05 Silver-Dissolved 0.05 Sodium-Total 20 Sodium-T | 0.0032 | mg/L | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Chloride 250 Chromium-Dissolved 0.05 Chromium-Total 0.05 Chromium-Total 0.05 Conductivity — Copper-Dissolved 0.2 EH———————————————————————————————————— | 107.6 | mg/l | | | | | | | | |
| Chromium-Dissolved 0.05 Chromium-Total 0.05 Conductivity — Copper-Dissolved 0.2 Copper-Total 0.2 EH— — Fluoride 1.5 Hardness — Iron-Dissolved 0.3 Iron-Total 0.3 Lead-Dissolved 0.025 Lead-Dissolved — Lithium-Total — Magnesium-Dissolved 35 Magnesium-Dissolved 0.3 Manganese-Dissolved 0.3 Manganese-Total 0.3 Mercury-Dissolved 0.0007 Mercury-Dissolved — Molybednum-Dissolved — Molybednum-Total — Potassium-Dissolved — Potassium-Total — Selenium-Total 0.01 Selenium-Total 0.05 Silver-Dissolved 0.05 Sodium-Total — Sodium-Total — Sodium-Total </td <td>115.3</td> <td>mg/l</td> <td>125</td> <td></td> <td>125</td> <td></td> <td>140</td> <td></td> <td>116</td> <td></td> | 115.3 | mg/l | 125 | | 125 | | 140 | | 116 | |
| Chromium-Total 0.05 Conductivity — Copper-Dissolved 0.2 Copper-Total 0.2 EH— — Fluoride 1.5 Hardness — Iron-Dissolved 0.3 Iron-Total 0.3 Lead-Dissolved 0.025 Lead-Total 0.025 Lithium-Dissolved — Magnesium-Dissolved 35 Magnesium-Dissolved 0.3 Manganese-Dissolved 0.3 Marcury-Dissolved 0.0007 Mercury-Dissolved 0.0007 Molybednum-Dissolved — Molybednum-Total — Potassium-Dissolved — Potassium-Total — Selenium-Total 0.01 Selenium-Total 0.05 Silver-Dissolved 0.05 Sodium-Total 20 Sodium-Total — Sodium-Total — Sodium-Total — Sodium-Total | 64.1 | mg/l | 34.6 | | 26.1 | | 72.1 | | 103 | |
| Conductivity | 0.010 | mg/l | | | | 4-7 | | | | |
| Copper-Dissolved 0.2 Copper-Total 0.2 EH- — Fluoride 1.5 Hardness — Iron-Dissolved 0.3 Iron-Total 0.3 Lead-Dissolved 0.025 Lead-Total 0.025 Lithium-Dissolved — Lithium-Total — Magnesium-Dissolved 35 Magnesium-Total 0.3 Marcury-Dissolved 0.0007 Mercury-Dissolved 0.0007 Molybednum-Dissolved — Molybednum-Total — Potassium-Dissolved — Potassium-Total — Selenium-Total 0.01 Selenium-Dissolved 0.05 Silver-Dissolved 20 Sodium-Total 20 Sodium-Total 20 Strontium-Dissolved — Strontium-Dissolved — Sulfate 250 Temperature — Total Dissolved Solids | 0.0043 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Copper-Total 0.2 EH- — Fluoride 1.5 Hardness — Iron-Dissolved 0.3 Iron-Total 0.025 Lead-Dissolved 0.025 Lithium-Dissolved — Lithium-Total — Magnesium-Dissolved 35 Magnesium-Total 35 Manganese-Dissolved 0.3 Mercury-Dissolved 0.0007 Mercury-Total 0.0007 Molybdenum-Dissolved — Molybdenum-Dissolved — Potassium-Total — Selenium-Total — Selenium-Total 0.01 Selenium-Total 0.05 Silver-Dissolved 20 Sodium-Dissolved — Sodium-Total 20 Strontium-Dissolved — Strontium-Dissolved — Sulfate 250 Temperature — Total Dissolved Solids 500 | 992 | UMHO/CM | 1125 | | 1070 | | 1205 | | 1160 | |
| EH— — Fluoride 1.5 Hardness — Iron-Dissolved 0.3 Iron-Total 0.025 Lead-Dissolved 0.025 Lithium-Dissolved — Lithium-Dissolved — Magnesium-Dissolved 35 Magnesium-Total 0.3 Manganese-Dissolved 0.3 Marcury-Dissolved 0.0007 Mercury-Total 0.0007 Molybednum-Dissolved — Molybednum-Total — pH 6.5 to 8.5 Potassium-Dissolved 0.01 Selenium-Total 0.01 Selenium-Total 0.05 Silver-Dissolved 0.05 Sodium-Total 20 Sodium-Total 20 Strontium-Dissolved — Strontium-Dissolved — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.010 | mg/l | | | | 1-7-7-1 | | | | |
| Fluoride | 0.0041 | mg/t | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Hardness | 547 | VOLTS | 81 | | 75 | | -2.0 | | 67 | |
| Iron-Dissolved 0.3 Iron-Total 0.3 Iron-Total 0.3 Iron-Total 0.3 Lead-Dissolved 0.025 Lead-Total 0.025 Lithium-Dissolved — Lithium-Dissolved — Magnesium-Dissolved 35 Magnesium-Total 35 Manganese-Dissolved 0.3 Manganese-Dissolved 0.3 Marcury-Dissolved 0.0007 Mercury-Total 0.0007 Mercury-Total 0.0007 Molybdenum-Dissolved — Molybdenum-Total — PH 6.5 to 8.5 Potassium-Dissolved — Molybdenum-Dissolved — Selenium-Total — Selenium-Total 0.01 Selenium-Total 0.01 Silver-Dissolved 0.05 Silver-Total 0.05 Sodium-Dissolved 20 Sodium-Dissolved 20 Strontium-Dissolved — Strontium-Dissolved — Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | | mg/l | 0,2 | LT | 0.2 | LT | 0.24 | | 0.21 | |
| Iron-Total 0.3 Lead-Dissolved 0.025 Lead-Total 0.025 Lithium-Dissolved 0.025 Lithium-Dissolved | | mg/l | 558 | | 545 | 1.4 | 623 | | 517 | |
| Lead-Dissolved 0.025 Lead-Total 0.025 Lithium-Dissolved — Lithium-Total — Magnesium-Dissolved 35 Magnesium-Total 0.3 Manganese-Dissolved 0.3 Mercury-Dissolved 0.0007 Mercury-Total 0.0007 Molybdenum-Dissolved — Molybednum-Total — Potassium-Dissolved — Potassium-Total — Selenium-Total 0.01 Selenium-Total 0.01 Silver-Dissolved 0.05 Silver-Total 0.05 Sodium-Dissolved 20 Scodium-Total — Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.017 | mg/L | - | 4 | | | | | | |
| Lead-Total 0.025 Lithium-Dissolved — Lithium-Total — Magnesium-Dissolved 35 Magnesium-Total 0.3 Manganese-Dissolved 0.3 Mercury-Dissolved 0.0007 Mercury-Dissolved — Molybdenum-Dissolved — Molybednum-Total — Potassium-Dissolved — Potassium-Total — Selenium-Total 0.01 Selenium-Dissolved 0.01 Silver-Dissolved 0.05 Silver-Total 0.05 Sodium-Total 20 Strontium-Dissolved — Strontium-Dissolved — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.70 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Lithium-Dissolved — Lithium-Total — Magnesium-Dissolved 35 Magnesium-Total 35 Manganese-Dissolved 0.3 Marcury-Dissolved 0.0007 Mercury-Total 0.0007 Mercury-Total — Molybdenum-Dissolved — Molybednum-Total — pH 6.5 to 8.5 Potassium-Dissolved — Potassium-Total — Selenium-Dissolved 0.01 Selenium-Total 0.05 Silver-Dissolved 0.05 Sodium-Dissolved 20 Sodium-Dissolved 20 Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.020 | mg/l | | | | | | | | |
| Lithium-Total — Magnesium-Dissolved 35 Magnesium-Total 35 Manganese-Dissolved 0.3 Marcury-Dissolved 0.0007 Mercury-Total 0.0007 Mercury-Total 0.0007 Molybdenum-Dissolved — Molybednum-Total — pH 6.5 to 8.5 Potassium-Dissolved — Potassium-Total — Selenium-Dissolved 0.01 Selenium-Total 0.05 Silver-Dissolved 0.05 Silver-Total 0.05 Sodium-Dissolved 20 Scodium-Total 20 Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.0103 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Magnesium-Dissolved 35 Magnesium-Total 35 Manganese-Dissolved 0.3 Manganese-Total 0.3 Mercury-Dissolved 0.0007 Mercury-Total 0.0007 Molybdenum-Dissolved — Molybdenum-Total — pH 6.5 to 8.5 Potassium-Dissolved — Potassium-Total — Selenium-Dissolved 0.01 Selenium-Total 0.05 Silver-Dissolved 0.05 Silver-Total 0.05 Sodium-Dissolved 20 Strontium-Dissolved — Strontium-Dissolved — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.5 | mg/l | | | | | | | | |
| Magnesium-Total 35 Manganese-Dissolved 0.3 Manganese-Total 0.3 Mercury-Dissolved 0.0007 Mercury-Total 0.0007 Molybdenum-Dissolved — Molybdenum-Total — pH 6.5 to 8.5 Potassium-Dissolved — Potassium-Total — Selenium-Dissolved 0.01 Selenium-Total 0.05 Silver-Dissolved 0.05 Sidum-Total 20 Sodium-Dissolved — Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.395 | mg/l | 0.161 | | 0.104 | | 0.333 | | 0.321 | |
| Magnesium-Total 35 Manganese-Dissolved 0.3 Manganese-Total 0.3 Mercury-Dissolved 0.0007 Mercury-Total 0.0007 Molybdenum-Dissolved — Molybdenum-Total — pH 6.5 to 8.5 Potassium-Dissolved — Potassium-Total — Selenium-Dissolved 0.01 Selenium-Total 0.05 Silver-Dissolved 0.05 Sidum-Total 20 Sodium-Dissolved — Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 57.7 | mg/l | | | | | | | | |
| Manganese-Total 0.3 Mercury-Dissolved 0.0007 Mercury-Total 0.0007 Molybdenum-Dissolved — Molybednum-Total — pH 6.5 to 8.5 Potassium-Dissolved — Potassium-Total — Selenium-Dissolved 0.01 Selenium-Total 0.01 Silver-Dissolved 0.05 Silver-Total 0.05 Sodium-Dissolved 20 Sodium-Total — Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 56.1 | mg/l | 59.4 | | 56.5 | 1-1 | 66,4 | | 55 | |
| Manganese-Total 0.3 Mercury-Dissolved 0.0007 Mercury-Total 0.0007 Molybdenum-Dissolved — Molybednum-Total — pH 6.5 to 8.5 Potassium-Dissolved — Potassium-Total — Selenium-Dissolved 0.01 Selenium-Total 0.01 Silver-Dissolved 0.05 Silver-Total 0.05 Sodium-Dissolved 20 Sodium-Total 20 Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.010 | mg/l | | | | | | | | |
| Mercury-Dissolved 0.0007 Mercury-Total 0.0007 Molybdenum-Dissolved — Molybednum-Total — pH 6.5 to 8.5 Potassium-Dissolved — Potassium-Total — Selenium-Dissolved 0.01 Selenium-Total 0.01 Silver-Dissolved 0.05 Silver-Total 0.05 Sodium-Dissolved 20 Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.017 | mg/l | 0.015 | LT | 0.015 | LT. | 0.015 | LT | 0.015 | LT |
| Molybdenum-Dissolved — Molybednum-Total — pH 6.5 to 8.5 Potassium-Dissolved — Potassium-Total — Selenium-Dissolved 0.01 Selenium-Total 0.01 Silver-Dissolved 0.05 Silver-Total 0.05 Sodium-Dissolved 20 Sodium-Total 20 Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.0002 | mg/l | | | | | | | | |
| Molybdenum-Dissolved — Molybednum-Total — pH 6.5 to 8.5 Potassium-Dissolved — Potassium-Total — Selenium-Dissolved 0.01 Selenium-Total 0.01 Silver-Dissolved 0.05 Silver-Total 0.05 Sodium-Dissolved 20 Sodium-Total 20 Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.0003 | mg/l | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| pH 6.5 to 8.5 Potassium-Dissolved — Potassium-Total — Selenium-Dissolved 0.01 Selenium-Total 0.01 Silver-Dissolved 0.05 Silver-Total 0.05 Sodium-Dissolved 20 Sodium-Total 20 Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.010 | mg/I | | | | | | | | |
| Potassium-Dissolved | 0.0061 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Potassium-Total | 8.0 | SU | 7.2 | | 7.1 | 1 | 7.2 | | 7.1 | |
| Selenium-Dissolved 0.01 Selenium-Total 0.01 Silver-Dissolved 0.05 Silver-Total 0.05 Sodium-Dissolved 20 Sodium-Total 20 Strontium-Dissolved - Strontium-Total - Sulfate 250 Temperature - Total Dissolved Solids 500 | 3.2 | mg/l | | 1 | -06 | + 1 | 1 | | | |
| Selenium-Total 0.01 Silver-Dissolved 0.05 Silver-Total 0.05 Sodium-Dissolved 20 Sodium-Total 20 Strontium-Dissolved - Strontium-Total - Sulfate 250 Temperature - Total Dissolved Solids 500 | 3.9 | mg/l | 3.2 | J | 2.59 | 3 | 3.62 | J | 3.71 | J. |
| Silver-Dissolved 0.05 Silver-Total 0.05 Sodium-Dissolved 20 Sodium-Total 20 Strontium-Dissolved - Strontium-Total - Sulfate 250 Temperature - Total Dissolved Solids 500 | 0.011 | mg/i | | | | | | | - | |
| Silver-Total 0.05 Sodium-Dissolved 20 Sodium-Total 20 Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.0113 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Sodium-Dissolved 20 Sodium-Total 20 Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.010 | mg/l | - 1 - + | 11- | | 1 2 2 1 | 11 4 | | | |
| Sodium-Dissolved 20 Sodium-Total 20 Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.0113 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Sodium-Total 20 Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 31.4 | mg/l | | | | 1 | | | | |
| Strontium-Dissolved — Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 32.8 | mg/l | 28.4 | | 24.8 | | 35.7 | | 38.1 | |
| Strontium-Total — Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.5 | mg/l | | | | | | | | |
| Sulfate 250 Temperature — Total Dissolved Solids 500 | 0.561 | mg/l | 0.537 | | 0.472 | | 0.632 | | 0.537 | |
| Temperature – Total Dissolved Solids 500 | 150 | mg/l | 181 | | 177 | | 200 | | 176 | |
| Total Dissolved Solids 500 | | Deg. C. | 10.0 | | 9.0 | | 12.0 | | 12.0 | |
| | 667 | mg/l | 660 | | 680 | | 875 | | 680 | |
| | 26.3 | NTU | 1,2 | | 1.1 | | 9.5 | | 0.6 | |
| Vanadium-Dissolved — | 0.010 | mg/l | - 195 | | | | 7.0 | | 714 | |
| Vanadium-Total – | 0.003 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc-Dissolved 2.0 | 0.010 | mg/l | 0.00 | | 0.00 | | 0.00 | | 0.00 | 14.7 |
| Zinc-Total 2.0 | 0.0058 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT: | 0.0286 | |

| | Class GA | <u> </u> | 1 | I | 04 | | . 0.4 | - | | | . 04 |
|-----------------------------------|--------------|-----------------------------|-----------------|-------|------------|-------|----------|-------|----------|-------|------------|
| Analyte | Groundwater | Assessment Trigger Value | Units | | r-21 | May | | Sep | | | /-21 |
| Aller Breite | Standard (1) | | h | Value | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | 580 | mg/l | 1 | | | | | | | |
| Aluminum-Dissolved Aluminum-Total | 0.1 | 0.081 | mg/l | 1 | | | | | | | |
| Andminum-Total Ammonia | 2 | 34.5 0.500 | mg/l | 1 | | | | | | | |
| | 0.025 | 0.020 | mg/l | 1 | | | | | | | |
| Arsenic-Dissolved Arsenic-Total | 0.025 | 0.026 | mg/l | 1 | | | | | | | |
| | | 0.026 | mg/l | 1 | | | | | | | |
| Boron-Dissolved | 1 1 | 0.403 | mg/l | 1 | | | | | | | |
| Boron-Total Bromide | | 2.65 | mg/l | 1 | | | | | | | |
| Cadmium-Dissolved | 0.005 | 0.005 | mg/l | 1 | | | | | | | |
| Cadmium-Total | 0.005 | 0.003 | mg/l mg/l | 1 | | | | | | | |
| Calcium-Dissolved | _ | 201 | mg/l | 1 | | | | | | | |
| Calcium-Total | | 231 | mg/l | 1 | | | | | | | |
| Chloride | 250 | 237 | | 1 | | | | | | | |
| Chloride Chromium-Dissolved | 0.05 | 0.010 | mg/l mg/l | 1 | | | | | | | |
| Chromium-Dissolved Chromium-Total | 0.05 | 0.010 | | 1 | | | | | | | |
| Conductivity | 0.05 | 1599 | mg/l UMHO/CM | 1 | | | | | | | |
| Copper-Dissolved | 0.2 | 0.010 | | 1 | | | | | | | |
| | 0.2 | 0.030 | mg/l | 1 | | | | | | | |
| Copper-Total EH | | 506 | mg/l VOLTS | 1 | | | | | | | |
| Fluoride | 1.5 | 0.260 | | 1 | | | | | | | |
| Hardness | 1.5 | 0.260 | mg/l | 1 | | | | | | | |
| Iron-Dissolved | 0.3 | 0.166 | mg/l | 1 | | | | | | | |
| Iron-Total | 0.3 | 69.5 | mg/l | 1 | | | | | | | |
| Lead-Dissolved | 0.025 | 0.020 | mg/l | 1 | | | | | | | |
| Lead-Total | 0.025 | 0.023 | mg/l mg/l | 1 | | | | | | | |
| Lithium-Dissolved | 0.023 | 0.500 | mg/l | 1 | | | | | | | |
| Lithium-Total | | 0.441 | mg/l | l Di | RY | DF | 2 | DF | ~ | Di | RY |
| Magnesium-Dissolved | 35 | 80.0 | mg/l | 1 - " | V 1 | | `` | Β, | \ \ | ٥, | \ 1 |
| Magnesium-Total | 35 | 91.1 | mg/l | 1 | | | | | | | |
| Manganese-Dissolved | 0.3 | 0.165 | mg/l | | | | | | | | |
| Manganese-Total | 0.3 | 1.05 | mg/l | 1 | | | | | | | |
| Mercury-Dissolved | 0.0007 | 0.0002 | mg/l | 1 | | | | | | | |
| Mercury-Total | 0.0007 | 0.0003 | mg/l | | | | | | | | |
| Molybdenum-Dissolved | | 0.010 | mg/l | | | | | | | | |
| Molybednum-Total | | 0.010 | mg/l | 1 | | | | | | | |
| pH | 6.5 to 8.5 | 8.22 | SU | 1 | | | | | | | |
| Potassium-Dissolved | | 9.44 | mg/l | 1 | | | | | | | |
| Potassium-Total | | 17.7 | mg/l | 1 | | | | | | | |
| Selenium-Dissolved | 0.01 | 0.012 | mg/l | 1 | | | | | | | |
| Selenium-Total | 0.01 | 0.012 | mg/l | 1 | | | | | | | |
| Silver-Dissolved | 0.05 | 0.010 | mg/l | 1 | | | | | | | |
| Silver-Total | 0.05 | 0.010 | mg/l | 1 | | | | | | | |
| Sodium-Dissolved | 20 | 106 | mg/l | 1 | | | | | | | |
| Sodium-Total | 20 | 99.8 | mg/l | 1 | | | | | | | |
| Strontium-Dissolved | | 1.88 | mg/l | 1 | | | | | | | |
| Strontium-Total | | 1.80 | mg/l | 1 | | | | | | | |
| Sulfate | 250 | 332 | mg/l | 1 | | | | | | | |
| Temperature | | | Deg. C. | 1 | | | | | | | |
| Total Dissolved Solids | 500 | 1299 | mg/l | 1 | | | | | | | |
| Turbidity | 5 | 1182 | NTU | 1 | | | | | | | |
| Vanadium-Dissolved | <u> </u> | 0,010 | mg/l | 1 | | | | | | | |
| Vanadium-Total | <u> </u> | 0.072 | mg/l | 1 | | | | | | | |
| Zinc-Dissolved | 2.0 | 0.012 | mg/l | 1 | | | | | | | |
| Zinc-Total | 2.0 | 0.130 | mg/l | 1 | | | | | | | |

| Analyte | Class GA Groundwater | Assessment | Units | Ma | r-21 | Ma | y-21 | Se | p-21 | No | v-21 |
|-------------------------------------|-------------------------|---------------|--------------|-------|----------|--------|----------|-------|----------|-------|----------|
| 2,000 | Standard (1) | Trigger Value | 5 | Value | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | ~ | 384 | mg/l | | | 330 | | | | | |
| Aluminum-Dissolved | 0.1 | 1.00 | mg/l | | | | | | | | |
| Aluminum-Total | 0.1 | 4.09 | mg/l | | | 0.2 | LT | | | | |
| Ammonia | 2 | 0.50 | mg/l | | | 0.1 | LT | | - 1 | | |
| Arsenic-Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | |
| Arsenic-Total | 0.025 | 0.012 | mg/l | | - 1 | 0.01 | LT | | - 1 | | |
| Boron-Dissolved | 1 | 0.207 | mg/l | | | | 1 | | | | |
| Boron-Total | 1 | 0.314 | mg/l | | | 0.0705 | +1 | | | | |
| Bromide | - | 3.620 | mg/l | | 1 | 1.53 | | | | | |
| Cadmium-Dissolved | 0.005 | 0.005 | mg/l | | | | | | | | |
| Cadmium-Total | 0.005 | 0.003 | mg/L | | 1 | 0.005 | LT | | | | |
| Calcium-Dissolved | - | 130 | mg/l | | 1 | | | | | | |
| Calcium-Total | 4 | 152 | mg/l | | | 164 | | | | | |
| Chloride | 250 | 210 | mg/l | | - 1 | 171 | | | | | |
| Chromium-Dissolved | 0.05 | 0.010 | mg/L | 0 | ì | - 210- | 1 | | - 1 | | |
| Chromium-Total | 0.05 | 0.009 | mg/l | | 1 | 0.01 | LT | | - 1 | | |
| Conductivity | | 1337 | UMHO/CM | | | 1565 | | | | | |
| Copper-Dissolved | 0.2 | 0.010 | mg/l | | - 1 | 1646 | | | - 1 | | |
| Copper-Total | 0.2 | 0.006 | mg/l | 6. | - 9 | 0.025 | LT | | - 1 | | |
| EH- | - | 532 | VOLTS | | | 34 | | | - 1 | | |
| Fluoride | 1.5 | 0.280 | mg/l | | 1 | 0.2 | | | - 1 | | |
| Hardness | 1.0 | 0.200 | mg/l | | 1 | 713 | 1 - 1 | | - 1 | | |
| Iron-Dissolved | 0.3 | 2,127 | mg/l | | 1 | 110 | 1 1 | | - 1 | | |
| Iron-Total | 0.3 | 5.76 | mg/l | | - 1 | 0.106 | - | | - 1 | | |
| Lead-Dissolved | 0.025 | 0.020 | mg/l | | | 0.100 | 1 | | | | |
| Lead-Total | 0.025 | 0.009 | mg/l | | 1 | 0.003 | LT | | - 1 | | |
| Lithium-Dissolved | 0.020 | 0.500 | mg/l | | 1 | 0,000 | 1 | | - 1 | | |
| Lithium-Total | 1 2 | 0.425 | mg/l | 13 | RY | 0.1 | LT | D | RY | | RY |
| Magnesium-Dissolved | 35 | 79.4 | mg/l | - | 100 | 0.1 | | | 187 | - | 14) |
| Magnesium-Total | 35 | 86.0 | mg/l | | | 74 | | | | | |
| Manganese-Dissolved | 0.3 | 0.233 | mg/l | 0 | 1 | - 14 | + | | | | |
| Manganese-Total | 0.3 | 0.233 | mg/l | | | 0.0183 | 1 - 1 | | - 1 | | |
| Mercury-Dissolved | 0.0007 | 0.0002 | mg/l | | 1 | 0.0103 | - | | - 1 | | |
| Mercury-Total | 0.0007 | 0.0002 | mg/l | | | 0.0002 | LT | | | | |
| Molybdenum-Dissolved | 0.0007 | 0.010 | | | - 0 | 0,0002 | 1 | | - 1 | | |
| Molybednum-Total | | 0.0189 | mg/l | | 1 | 0.05 | LT | | - 1 | | |
| | G E to D E | | mg/l SU | | | 7.2 | 1 | | - 1 | | |
| Potenskies Disselved | 6.5 to 8.5 | 8.09 | | | - | 1.2 | | | - 1 | | |
| Potassium-Dissolved Potassium-Total | | 14.4 | mg/l | | 1 | 2.32 | | | | | |
| Selenium-Dissolved | 0.01 | 0.011 | mg/l | | - | 2.02 | 3 | | | | |
| Selenium-Total | 0.01 | 0.016 | mg/l | | - 1 | 0.005 | LT | | | | |
| Silver-Dissolved | 0.05 | 0.010 | mg/l mg/l | | 1 | 0.003 | | | | | |
| | | | | | 1 | 0.01 | LT | | | | |
| Silver-Total Sodium-Dissolved | 0.05 | 0.010 | mg/l | | 1 | 10.0 | Li | | | | |
| Sodium-Dissolved Sodium-Total | 20 | 112 | mg/l | | | 47.9 | | | | | |
| Strontium-Dissolved | | 2.38 | mg/l | | } | 47.3 | | | | | |
| | | 2.36 | mg/l | 1 | } | 0.635 | 1 | | | | |
| Strontium-Total Sulfate | 250 | 274 | mg/l | | | 186 | - | | | | |
| | | 2/4 | mg/l | | | | - | | | | |
| Temperature | - 500 | 1400 | Deg. C. | | | 9.0 | 1 | | | | |
| Total Dissolved Solids | 500 | 1106 | mg/l | | | 1010 | - | | | | |
| Turbidity | 5 | 524 | NTU | | | 5.3 | + | | | | |
| Vanadium-Dissolved | - | 0.010 | mg/l | | | A AP | | | | | |
| Vanadium-Total | × × | 0.008 | mg/l | | | 0.05 | LT | | | | |
| Zinc-Dissolved | 2.0 | 0.048 | mg/l | | | - 2-1- | | | | | |
| Zinc-Total | 2.0 | 0.018 | mg/l | | 14, | 0.02 | -17 | 1 | | | |

| Analyte | Class GA Groundwater | Assessment | Units | Ma | -21 | Ma | y-21 | Sej | p-21 | Nov | /-21 |
|------------------------|-------------------------|---------------|---------|----------------------|----------|---------|----------|-------|----------|----------|----------|
| and ye | Standard (1) | Trigger Value | 5,111,5 | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | 260 | mg/l | | | 120 | | | | 80 | |
| Aluminum - Dissolved | 0.1 | 0.099 | mg/l | | - 1 | - | - | | - 1 | | |
| Aluminum - Total | 0.1 | 0.101 | mg/l | | - 1 | 0.2 | LT | | - 1 | | |
| Ammonia | 2 | 3.66 | mg/l | | - 1 | 4.2 | | | 1 | 5.5 | |
| Arsenic - Dissolved | 0.025 | 0.020 | mg/l | | - 3 | 44775 | | | | 231720 | - |
| Arsenic - Total | 0.025 | 0.020 | mg/l | | - | 0.0147 | - | | - 1 | 0.00932 | J |
| Boron-Dissolved | 1 | 3.51 | mg/l | | - 1 | | | | | | |
| Boron - Total | 1 | 3.46 | mg/l | | | 2.35 | 1 | | - 1 | 2.59 | |
| Bromide | - | 81.2 | mg/l | | | 29.2 | - | | 1 | | |
| Cadmium - Dissolved | 0.005 | 0.005 | mg/l | | | | | | | 2222 | - |
| Cadmium - Total | 0.005 | 0.003 | mg/L | | | 0.005 | LT | | - 1 | 0.005 | LT |
| Calcium - Dissolved | - 8 | 925 | mg/l | | | | | | | | |
| Calcium - Total | 100 | 944 | mg/l | | - 1 | 586 | 1 | | | 889 | |
| Chloride | 250 | 4536 | mg/l | | 1 | 2620 | | | | | |
| Chromium - Dissolved | 0.05 | 0.010 | mg/l | | | | 7 | | | | |
| Chromium - Total | 0.05 | 0.004 | mg/l | | | 0.01 | LT | | | 16774 | - |
| Conductivity | | 12547 | UMHO/CM | | | 9240 | | | | 13140 | - |
| Copper - Dissolved | 0.2 | 0.010 | mg/l | | - 4 | | - | | | | _ |
| Copper - Total | 0.2 | 0.049 | mg/t | | 1 | 0.025 | LT | | 1 | | |
| Eh | | 476 | VOLTS | | | -12 | | | - 1 | -33 | |
| F2- | 1.5 | 0.496 | mg/l | | - 1 | 0.26 | | | | | _ |
| Hardness | - | | mg/l | | | 2061 | | | | | _ |
| ron - Dissolved | 0.3 | 4.33 | mg/L | | - 1 | | | | | | |
| ron - Total | 0.3 | 4.34 | mg/l | | | 2.12 | | | | 2.81 | |
| Lead - Dissolved | 0.025 | 0.020 | mg/l | | - 1 | | - | | | | |
| Lead - Total | 0.025 | 0.009 | mg/l | | | 0.003 | LT | | | | |
| Lithium - Dissolved | | 1.57 | mg/l | 100 | | 2,012 | | | | 222 | |
| Lithium - Total | - | 1.34 | mg/l | D | RY | 0.712 | | D | RY | 3.06 | |
| Magnesium -Dissolved | 35 | 207 | mg/l | | | - | | | | | _ |
| Magnesium - Total | 35 | 204 | mg/l | | | 145 | 1 | | | 219 | _ |
| Manganese - Dissolved | 0.3 | 1.14 | mg/l | | | | 1 | | - 1 | 12/14/20 | |
| Manganese - Total | 0.3 | 1.16 | mg/l | | | 0.532 | 1 | | - 1 | 0.807 | |
| Mercury - Dissolved | 0.0007 | 0.0002 | mg/l | | - 1 | 4-10-20 | | | 1 | | |
| Mercury - Total | 0.0007 | 0.0003 | mg/l | | | 0,0002 | LT | | | | - |
| Molybdenum - Dissolved | - 8 | 0.010 | mg/l | | | | | | | - | |
| Molybdenum - Total | | 0.007 | mg/l | | | 0.05 | LT | | | 0.05 | LT |
| oH . | 6.5 to 8.5 | 7.70 | SU | | - | 7.2 | | | - | 7.2 | |
| Potassium - Dissolved | | 77.8 | mg/I | | | | | | | 0.72 | - |
| Potassium - Total | - 5 | 74.4 | mg/l | | | 90.8 | 100 | | | 54.3 | J |
| Selenium - Dissolved | 0.01 | 0.013 | mg/l | | | | | | | | |
| Selenium - Total | 0.01 | 0.013 | mg/l | | | 0.005 | LT | | | | |
| Silver - Dissolved | 0.05 | 0.010 | mg/l | | | 2.10 | 1 | | | | |
| Silver - Total | 0.05 | 0.0101 | mg/l | | | 0.01 | LT | | | | - |
| Sodium - Dissolved | 20 | 1717 | mg/l | | | 12722 | | | | | |
| Sodium - Total | 20 | 2083 | mg/l | | | 1120 | 4 | | | 1580 | - |
| Strontium - Dissolved | \sim | 23.0 | mg/l | | | | | | | | - |
| Strontium - Total | 15. | 23.5 | mg/l | | | 14.9 | 1 | | | 21.5 | |
| Sulfate | 250 | 1288 | mg/l | | | 771 | | | | | |
| Temperature | | | Deg. C. | | | 9 | | | | 10 | |
| Total Dissolved Solids | 500 | 9712 | mg/l | | | 6560 | | | | 9070 | |
| Turbidity | .5 | 38.0 | NTU | | | 0.9 | | | | 0.5 | |
| Vanadium - Dissolved | | 0.010 | mg/l. | | | | 1 2 2 24 | | | | |
| Vanadium - Total | 50 M 3.5 | 0.004 | mg/l | | | 0.05 | LT | | | | |
| Zinc - Dissolved | 2.0 | 0.010 | mg/l. | | | | | | | | |
| Zinc - Total | 2.0 | 0.010 | mg/l | | 14 | 0.02 | -17 | | | 100 | - |

| Analyte | Class GA Groundwater | Assessment | Units | Mai | -21 | May | -21 | Sep | -21 | No | v-21 |
|------------------------|-------------------------|---------------|---------|----------------------|----------|---------|----------|---------|----------|-------|----------|
| 274.7 | Standard (1) | Trigger Value | 57746 | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | ~ | 379 | mg/l | 350 | | 330 | | 330 | | 528 | |
| Aluminum - Dissolved | 0.1 | 0.050 | mg/l | | | | | | | | |
| Aluminum - Total | 0.1 | 0.159 | mg/l | | | 0.2 | LT | | | | |
| Ammonia | 2 | 0.500 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | L7 | 0.1 | LT |
| Arsenic - Dissolved | 0.025 | 0.0200 | mg/l | | | | | | | | |
| Arsenic - Total | 0.025 | 0.0121 | mg/l | 0.00513 | J | 0.00504 | J | 0.00749 | J | 0.01 | LT |
| Boron-Dissolved | 1 | 0.229 | mg/l | | | | 10000 | | | | |
| Boron - Total | 1 | 0.329 | mg/l | 0.131 | | 0.109 | | 0.137 | | 0.144 | |
| Bromide | _ | 2.13 | mg/l | | | . 1 | LT | | | | |
| Cadmium - Dissolved | 0.005 | 0.005 | mg/l | | | | | | | | |
| Cadmium - Total | 0.005 | 0.0029 | mg/L | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Dissolved | | 157 | mg/l | | | | | | | | |
| Calcium - Total | - S | 167 | mg/l | 144 | 11 | 146 | 11 | 149 | | 144 | |
| Chloride | 250 | 225 | mg/l | 210 | | 189 | | 234 | | - 11. | |
| Chromium - Dissolved | 0.05 | 0.010 | mg/l | | | | 100 000 | | | | |
| Chromium - Total | 0.05 | 0.0037 | mg/l | | | 0.01 | LT | | | | |
| Conductivity | ~ | 1529 | UMHO/CM | 1620 | | 1545 | | 1625 | | 1650 | |
| Copper - Dissolved | 0.2 | 0.010 | mg/l | | | | | | | - | |
| Copper - Total | 0.2 | 0.0043 | mg/l | | 1 | 0.025 | LT | | | | |
| Eh | - | 474 | VOLTS | | | 83 | | | | 60 | |
| F2- | 1.5 | 0.262 | mg/l | | | 0.2 | LT | + | | | |
| Hardness | | | mg/l | | | 656 | | | | | |
| Iron - Dissolved | 0.3 | 0.140 | mg/L | | | | 1-0-04 | | | | |
| Iron - Total | 0.3 | 0.591 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Lead - Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | |
| Lead - Total | 0.025 | 0.0097 | mg/l | | - | 0,003 | LT | | | | |
| Lithium - Dissolved | - | 0.500 | mg/l | | | | | | | | |
| Lithium - Total | - | 0.385 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Magnesium -Dissolved | 35 | 75.5 | mg/l | | | | | | | | |
| Magnesium - Total | 35 | 76.9 | mg/l | 72.2 | + | 71 | 11 | 75.3 | | 75.4 | |
| Manganese - Dissolved | 0.3 | 0.039 | mg/l | | | | 1-1-1 | | | | |
| Manganese - Total | 0.3 | 0.051 | mg/l | 0.015 | LT | 0.015 | LT | 0.015 | LT | 0.015 | LT |
| Mercury - Dissolved | 0.0007 | 0.0002 | mg/l | | | | | | | | |
| Mercury - Total | 0.0007 | 0.0003 | mg/l | | | 0.0002 | LT | | | | |
| Molybdenum - Dissolved | | 0.010 | mg/t | | | | | | | | |
| Molybdenum - Total | 40.00 | 0.0057 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| pH | 6.5 to 8.5 | 7.98 | SU | 7.3 | | 7.2 | | 7.2 | | 7.2 | - |
| Potassium - Dissolved | | 7.57 | mg/l | | 11 | | | | | | |
| Potassium - Total | | 7.30 | mg/l | 6.33 | | 5.95 | 1 | 6.47 | | 7.27 | |
| Selenium - Dissolved | 0.01 | 0.010 | mg/l | | | | 14 | | | | |
| Selenium - Total | 0.01 | 0.0109 | mg/l | | | 0.005 | LT | | | | |
| Silver - Dissolved | 0.05 | 0.010 | mg/l | | | | 100.000 | | | | |
| Silver - Total | 0.05 | 0.0101 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Dissolved | 20 | 63.9 | mg/l | | | | | | | | |
| Sodium - Total | 20 | 63.2 | mg/l | 80.4 | | 77. | | 67.6 | | 86.1 | |
| Strontium - Dissolved | | 1.38 | mg/l | | | | | | | | |
| Strontium - Total | | 1.419 | mg/l | 1.2 | | 1.16 | | 1.26 | | 1.23 | |
| Sulfate | 250 | 282 | mg/l | 170 | 1 | 159 | | 200 | | - 45 | 1 |
| Temperature | | | Deg. C. | 9.0 | | 9.0 | 71 | 11.0 | | 12.0 | |
| Total Dissolved Solids | 500 | 17168 | mg/l | 910 | | 990 | 1 - 1 | 1000 | | 970 | |
| Turbidity | 5 | 9.71 | NTU | 0.3 | | 0.3 | | 4.3 | | 0.3 | |
| Vanadium - Dissolved | | 0.010 | mg/l | 4,0 | 1 | 7.9 | | 7.0 | 1 1 | 17,0 | 1 |
| Vanadium - Total | | 0.004 | mg/l | | | 0.05 | LT | | 1 | | |
| Zinc - Dissolved | 2.0 | 0.010 | mg/L | - | | 0.00 | | | - | | |
| Zinc - Total | 2.0 | 0.0057 | mg/l | - | 1 | 0.02 | LT | | | | 1 |
| ATIO - TOTAL | 2,0 | 0,0001 | nig/t | | | 0.02 | LI | 4 | | | |

| Analyte | Class GA Groundwater | Assessment | Units | Mar | -21 | May | -21 | Sep | -21 | Nov | /-21 |
|---|-------------------------|-----------------|------------|----------------------|----------|---------|--------------|---------|-------------|--------|--|
| Analyte | Standard (1) | Trigger Value | Office | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | 420 | mg/l | 150 | | 280 | | 124 | | 124 | Ī |
| Aluminum - Dissolved | 0.1 | 0.074 | mg/l | | | | | | | | |
| Aluminum - Total | 0.1 | 3.43 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | 3.87 | mg/l | 2 | | 0.4 | | 2.6 | | 3.2 | |
| Arsenic - Dissolved | 0.025 | 0.020 | mg/l | | | | | | | | |
| Arsenic - Total | 0.025 | 0.0199 | mg/l | 0.00511 | J | 0.00322 | J | 0.00649 | J | 0.01 | LT |
| Boron-Dissolved | 1 | 3.734 | mg/l | | | | | | | | |
| Boron - Total | 1 | 3.42 | mg/l | 2 | | 1.15 | | 1,99 | | 1.99 | |
| Bromide | | 81.5 | mg/l | 41.6 | | 18.8 | | 55 | | | |
| Cadmium - Dissolved | 0.005 | 0.005 | mg/l | | | | | | | | |
| Cadmium - Total | 0.005 | 0.0017 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Dissolved | | 929 | mg/l | | | | | | | | |
| Calcium - Total | | 903 | mg/l | 571 | | 500 | LT | 639 | | 585 | |
| Chloride | 250 | 7204 | mg/l | 3780 | | 1640 | | 4720 | | 4680 | |
| Chromium - Dissolved | 0.05 | 0.010 | mg/l | 0.00 | | | | | | | |
| Chromium - Total | 0.05 | 0.009 | mg/l | 0.01 | LT | 0.00902 | J | 0.01 | LT | 0.01 | LT |
| Conductivity | - | 20749 | UMHO/CM | 13110 | | 9950 | | 13220 | | 13130 | † |
| Copper - Dissolved | 0.2 | 0.010 | mg/l | | | 5555 | | | | | |
| Copper - Total | 0.2 | 0.0036 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | | 119 | VOLTS | 29 | | 17 | | -33 | | 9 | - - |
| F2 | 1.5 | 0.5 | mg/l | 0.67 | | 0.25 | | 0.2 | LT | 0.2 | LT |
| Hardness | | 0.0 | mg/l | 1899 | | 1231 | | 2127 | | 1927 | 1 - |
| Iron - Dissolved | 0.3 | 3.701 | mg/l | 1000 | | 1201 | | | | 1021 | 1 |
| Iron - Total | 0.3 | 6.84 | mg/l | 0.365 | | 0.352 | | 0.856 | _ | 0.795 | |
| Lead - Dissolved | 0.025 | 0.020 | mg/l | 0.000 | | 0.002 | | 0.000 | | 0.700 | |
| Lead - Total | 0.025 | 0.0104 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Dissolved | | 3.3 | mg/l | 0.000 | | 0.000 | | 0.000 | | 0.000 | |
| Lithium - Total | | 3.396 | mg/l | 2 | | 0.507 | | 2.98 | | 3 | |
| Magnesium -Dissolved | 35 | 129.3 | mg/l | | | 0.507 | | 2.50 | | | |
| Magnesium - Total | 35 | 138.2 | mg/l | 115 | | 81 | | 129 | | 113 | |
| Manganese - Dissolved | 0.3 | 0.788 | mg/l | 113 | | 01 | | 125 | | 113 | |
| Manganese - Total | 0.3 | 0.95 | mg/l | 0.323 | | 0.212 | | 0.44 | | 0.389 | <u> </u> |
| Mercury - Dissolved | 0.0007 | 0.0002 | | 0.020 | | 0.212 | | 0.44 | | 0.508 | |
| • | | 0.0002 | mg/l | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| Mercury - Total Molybdenum - Dissolved | 0.0007 | | mg/l | 0.0002 | LI | 0.0002 | LI | 0.0002 | LI | 0.0002 | L! |
| | | 0.015 0.0211 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Molybdenum - Total pH | C = to 0 = | | mg/l | | L! | 7.1 | L' | | L! | 7.2 | L! |
| Potassium - Dissolved | 6.5 to 8.5 | 7.8 88.27 | SU ma/l | 7.4 | | 7.1 | | 7.2 | | 1.2 | |
| | | | mg/l | 0.0 | | 60.4 | | 00.2 | | 00.4 | 1 |
| Potassium - Total | | 137.53 | mg/l | 88 | | 60.4 | | 98.3 | | 99.4 | |
| Selenium - Dissolved | 0.01 | 0.010 | mg/l | 0.005 | | 0.005 | | 0.005 | 1- | 0.005 | 1- |
| Selenium - Total | 0.01 | 0.0229 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Silver - Dissolved | 0.05 | 0.010 | mg/l | 0.04 | | 0.04 | 1= | 0.04 | <u> </u> | 0.04 | |
| Silver - Total | 0.05 | 0.0024 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Sodium - Dissolved | 20 | 3188 | mg/l | 4600 | | 070 | | 2222 | | 4000 | 1 |
| Sodium - Total | 20 | 3911 | mg/l | 1660 | | 979 | | 2390 | | 1880 | 1 |
| Strontium - Dissolved | | 24.77 | mg/l | 400 | | 0.40 | | 45.0 | | 40.0 | 1 |
| Strontium - Total | | 23.74 | mg/l | 12.9 | | 8.16 | | 15.2 | | 13.8 | 1 |
| Sulfate | 250 | 586 | mg/l | 423 | | 301 | <u> </u> | 470 | | 458 | 1 |
| Temperature | | | Deg. C. | 12.0 | | 12.0 | | 12.0 | | 13.0 | ļ |
| Total Dissolved Solids | 500 | 13506 | mg/l | 7240 | | 3720 | | 8240 | \vdash | 8300 | |
| Turbidity | 5 | 127 | NTU | 15.0 | | 3.1 | ļ | 33.0 | | 3.6 | ļ |
| Vanadium - Dissolved | | 0.010 | mg/l | | | | \sqcup | | | | <u> </u> |
| Vanadium - Total | | 0.005 | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc - Dissolved | 2.0 | 0.010 | mg/l | | | | | | | | |
| Zinc - Total | 2.0 | 0.0198 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

| Analyte | Class GA Groundwater | Assessment | Units | Ma | r-21 | May | y-21 | Se | p-21 | No | /-21 |
|----------------------------------|-------------------------|---------------|---------------|----------------------|----------|--------|----------|-------|----------|---------|----------|
| 27.57 | Standard (1) | Trigger Value | 67046 | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | ~ | 51 | mg/l | | | 48 | | | | 44 | |
| Aluminum - Dissolved | 0.1 | 0.059 | mg/l | | - 1 | | | | - 1 | | |
| Aluminum - Total | 0.1 | 0.75 | mg/l | | 1 | 0.2 | LT | | - 1 | | |
| Ammonia | 2 | 6.77 | mg/l | | - 1 | 8.9 | | | 1 | 9.2 | |
| Arsenic - Dissolved | 0.025 | 0.021 | mg/l | | - 1 | | | | | | |
| Arsenic - Total | 0.025 | 0.0540 | mg/l | | | 0.0115 | | | - 1 | 0.00978 | J |
| Boron-Dissolved | 1 | 3.481 | mg/l | | - 1 | | | | | | |
| Boron - Total | 1 | 3.38 | mg/l | | 1 | 2.24 | | | - 1 | 2.26 | |
| Bromide | _ | 172.5 | mg/l | | - 1 | 112 | | | | | |
| Cadmium - Dissolved | 0.005 | 0.005 | mg/l | | | | | | | - | |
| Cadmium - Total | 0.005 | 0.0025 | mg/L | | - 1 | 0.005 | LT | | 1 | 0.005 | LT |
| Calcium - Dissolved | | 2319 | mg/l | | | | | | 1 | | |
| Calcium - Total | | 2110 | mg/l | | | 1510 | 11 | | | 1630 | |
| Chloride | 250 | 13599 | mg/li | | 1 | 9540 | | | | | |
| Chromium - Dissolved | 0.05 | 0.010 | mg/l | | | | 100 0 44 | | l. | | |
| Chromium - Total | 0.05 | 0.007 | mg/l | | | 0.01 | LT | | | | |
| Conductivity | | 42719 | UMHO/CM | | | 27330 | 1700 | | | 30250 | |
| Copper - Dissolved | 0.2 | 0.010 | mg/l | | | 1000 | | | - [| | |
| Copper - Total | 0.2 | 0.0057 | mg/l | | | 0.025 | LT | | 1 | | |
| Eh | | 55 | VOLTS | | 1 | -8 | | | - 1 | -24 | |
| F2- | 1.5 | 0.6 | mg/l | | | 0.2 | LT | | 1 | | |
| Hardness | | | mg/l | | | 4760 | 1 | | 1 | | |
| Iron - Dissolved | 0.3 | 4.489 | mg/L | | - (| | | | 1 | | |
| ron - Total | 0.3 | 4.17 | mg/l | | | 2.27 | | | 1 | 2.41 | |
| Lead - Dissolved | 0.025 | 0.020 | mg/l | | - 1 | | | | | | |
| Lead - Total | 0.025 | 0.0142 | mg/l | | - 1 | 0.003 | LT | | - 1 | | |
| Lithium - Dissolved | - | 7.3 | mg/l | | | | | | | | |
| Lithium - Total | - | 7.675 | mg/l | D | RY | 4.89 | | D | RY | 7.32 | |
| Magnesium -Dissolved | 35 | 302.6 | mg/l | | | | 100 | | - 1 | | |
| Magnesium - Total | 35 | 268.5 | mg/l | | 1 | 239 | 1 | | 1 | 243 | J |
| Manganese - Dissolved | 0.3 | 2.648 | mg/l | | | | | | 1 | | |
| Manganese - Total | 0.3 | 2.38 | mg/l | | | 1.22 | - | | 1 | 1.27 | |
| Mercury - Dissolved | 0.0007 | 0.0002 | mg/l | | | | | | 1 | | |
| Mercury - Total | 0.0007 | 0.0002 | mg/l | | - 1 | 0.0002 | LT | | 1 | | |
| Molybdenum - Dissolved | | 0.012 | mg/L | | - 1 | | | | 1 | | |
| Molybdenum - Total | | 0.0172 | mg/l | | - 1 | 0.05 | LT | | 1 | 0.05 | LT |
| ρΗ | 6.5 to 8.5 | 7.7 | SU | | 1 | 7.2 | | | 1 | 7.3 | |
| Potassium - Dissolved | | 139.74 | mg/l | | 1 | | | | 1 | | |
| Potassium - Total | | 153.48 | mg/l | | 1 | 102 | J | | 1 | 112 | J |
| Selenium - Dissolved | 0.01 | 0.037 | mg/i | | | | 1 | | 1 | | |
| Selenium - Total | 0.01 | 0.0299 | mg/l | | | 0.005 | LT | | ì | | |
| Silver - Dissolved | 0.05 | 0.010 | mg/l | | | | 120 | | 1 | | |
| Silver - Total | 0.05 | 0.0024 | mg/l | | | 0.01 | LT | | | | |
| Sodium - Dissolved | 20 | 6675 | mg/l | | 1 | | | | İ | | |
| Sodium - Total | 20 | 7312 | mg/l | | | 3720 | | | | 4110 | 1 |
| Strontium - Dissolved | - | 49.54 | mg/l | | ì | | | | T I | | |
| Strontium - Total | | 43.78 | mg/l | | 1 | 32.8 | | | 1 | 32.6 | |
| Sulfate | 250 | 867 | mg/l | | | 658 | | | - | | 1 |
| Temperature | - | | Deg. C. | | | 12 | | | ł | 12 | |
| Total Dissolved Solids | 500 | 25242 | mg/l | | | 20500 | 1 | | 1 | 20100 | |
| Turbidity | 5 | 17 | NTU | | | 1.1 | | | 1 | 1.9 | 1 |
| Vanadium - Dissolved | | 0.010 | | | 1 | - 101 | | | | 1,0 | + |
| | | 0.004 | mg/L | | | 0.05 | LT | | | | + |
| Vanadium - Total | 20 | | mg/l | | | 0.05 | LI. | | 1 | | _ |
| Zinc - Dissolved Zinc - Total | 2.0 | 0.010 | mg/l. mg/l | | | 0.00 | LT | | - | | - |
| Elic = Total | 2.0 | 0,0103 | ing/t | | 14 | 0.02 | 1 11 | | | | 1 |

| Analyte | Groundwater Units Standard (1) Value (2) Notation Value Notation | Se | | | v-21 | | | | | |
|------------------------|--|---------|---------|----------|--------|----------|---------|----------|---------|----------|
| 7.237 | | Units | | Notation | | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 280 | | 190 | | 240 | | 330 | |
| Aluminum - Dissolved | - | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Aluminum - Total | -9 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.1 | LT | 0.1 | LT | 0.2 | | 0.1 | LT |
| Arsenic - Dissolved | 0.025 | mg/l | 0.00427 | J | 0.0102 | R | 0.00344 | - 1 | 0.01 | LT |
| Arsenic - Total | 0.025 | mg/l | 0.00471 | - J - | 0.01 | _ LT | 0.00441 | J - J | 0.00465 | - 1 |
| Boron - Dissolved | 1 | mg/l | 0.95 | R | 0.637 | R | 0.67 | R | 0.607 | |
| Boron - Total | 1 | mg/l | 0.929 | | 0.53 | | 0.652 | | 0.634 | |
| Bromide | | mg/li | 1 | LT- | 1 | LT | 1 | LT | 1 | LT |
| Cadmium - Dissolved | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT. |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Dissolved | | mg/l | 512 | R | 520 | R | 529 | R | 456 | |
| Calcium - Total | - | mg/l | 510 | | 496 | | 419 | | 465 | |
| Chloride | 250 | mg/l | 8.02 | | 2.42 | | 2.84 | | 3.62 | |
| Chromium - Dissolved | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.0109 | | 0.01 | LT |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Conductivity | -3- | UMHO/CM | 2490 | | 2295 | | 2210 | | 2210 | |
| Copper - Dissolved | 0.2 | mg/l | 0.025 | - LT | 0.025 | = LT | 0.025 | LT | 0.025 | LT |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | | VOLTS | 25 | | 89 | | 47 | | 172 | |
| F2- | 1.5 | mg/l | 0.61 | | 0.26 | | 0.2 | | 0.39 | |
| Hardness | - | mg/l | 1636 | | 1558 | | 1369 | | 1482 | |
| Iron - Dissolved | 0.3 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Iron - Total | 0.3 | mg/l | 0.642 | | 0.243 | | 0.1 | LT | 0.124 | |
| Lead - Dissolved | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lead - Total | 0.025 | mg/L | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Dissolved | - | mg/l | 0.305 | | 0.207 | R | 0.141 | | 0.223 | |
| Lithium - Total | | mg/l | 0.317 | | 0.175 | | 0.154 | - | 0.227 | |
| Magnesium -Dissolved | | mg/l | 91.8 | R | 78.5 | R | 79.3 | R | 72.8 | |
| Magnesium - Total | | mg/t | 87.9 | | 77.7 | | 78.3 | | 78 | |
| Manganese - Dissolved | 0.3 | mg/l | 0.015 | LT | 0.015 | LT | 0.015 | LT | 0.015 | LT |
| Manganese - Total | 0.3 | mg/l | 0.024 | | 0.015 | LT | 0.015 | LT | 0.015 | LT |
| Mercury - Dissolved | 0.0007 | mg/l | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| Molybdenum - Dissolved | ~~ | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Molybdenum - Total | | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| pH | 6.5 to 8.5 | SU | 7.1 | 1-56 | 7,0 | - 1 | 7.8 | | 7.1 | |
| Potassium - Dissolved | | mg/l | 24.6 | R | 9.64 | R | 10.9 | R | 17.3 | |
| Potassium - Total | | mg/l | 24 | | 9.53 | | 10.7 | | 19.1 | |
| Selenium - Dissolved | 0.01 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Silver - Dissolved | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0,01 | LT | 0.01 | LT |
| Sodium - Dissolved | 20 | mg/l | 28.5 | | 19.4 | R | 18.9 | | 30.2 | |
| Sodium - Total | 20 | mg/l | 36.5 | 1 -0.0 | 19 | | 19,1 | 1 | 33 | |
| Strontium - Dissolved | 4 -4 | mg/l | 1.87 | R | 1.14 | | 1.2 | R | 1.2 | |
| Strontium - Total | | mg/l | 1.69 | | 1.15 | | 1.16 | | 1.22 | |
| Sulfate | 250 | mg/l | 1220 | | 1130 | | 1200 | | 1030 | |
| Temperature | ** | Deg. C | 5 | 10 | 13 | | 17 | | 10 | |
| Total Dissolved Solids | 500 | mg/l | 2100 | | 2150 | | 1980.0 | | 1960.0 | |
| Turbidity | 5 | NTU | 27.0 | | 14.0 | | 3.1 | | 6.6 | |
| Vanadium - Dissolved | | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Vanadium - Total | - | mg/l | 0.05 | LT | 0.05 | LT | 0.05 | LT | 0.05 | LT |
| Zinc - Dissolved | 1 2 | mg/l | 0.02 | LT | 0.03 | LT | 0.02 | LT | 0.02 | LT |
| Zinc - Dissolved | | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| | Class GA | | Ma | r-21 | Ma | y-21 | Sej | o-21 | No | v-21 |
|---|--|--------------|----------------------|----------|-------|----------|-------|----------|-------|----------|
| Analyte | Groundwater Standard ⁽¹⁾ | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | | | | | | | | |
| Aluminum - Dissolved | | mg/l | | | | | | | | |
| Aluminum - Total | | mg/l | | | | | | | | |
| Ammonia | 2 | mg/l | | | | | | | | |
| Arsenic - Dissolved | 0.025 | mg/l | | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | | | | | | | | |
| Boron - Dissolved | 1 | mg/l | | | | | | | | |
| Boron - Total | 1 | mg/l | | | | | | | | |
| Bromide | | mg/l | | | | | | | | |
| Cadmium - Dissolved | 0.005 | mg/l | | | | | | | | |
| Cadmium - Total | 0.005 | mg/l | | | | | | | | |
| Calcium - Dissolved | | mg/l | | | | | | | | |
| Calcium - Total | | mg/l | | | | | | | | |
| Chloride | 250 | mg/l | | | | | | | | |
| Chromium - Dissolved | 0.05 | mg/l | | | | | | | | |
| Chromium - Total | 0.05 | mg/l | | | | | | | | |
| Conductivity | | UMHO/CM | | | | | | | | |
| Copper - Dissolved | 0.2 | mg/l | | | | | | | | |
| Copper - Total | 0.2 | mg/l | | | | | | | | |
| Eh | | VOLTS | | | | | | | | |
| F2 | 1.5 | mg/l | | | | | | | | |
| Hardness | | mg/l | | | | | | | | |
| Iron - Dissolved | 0.3 | mg/l | | | | | | | | |
| Iron - Total | 0.3 | mg/l | | | | | | | | |
| Lead - Dissolved | 0.025 | mg/l | | | | | | | | |
| Lead - Dissolved | 0.025 | mg/l | | | | | | | | |
| Lithium - Dissolved | | mg/l | | | | | | | | |
| Lithium - Total | | mg/l | l n | RY | ח | RY | ח | RY | ח | RY |
| Magnesium -Dissolved | | mg/l | ٦ | | | 111 | | | | |
| Magnesium - Total | | mg/l | | | | | | | | |
| Manganese - Dissolved | 0.3 | mg/l | | | | | | | | |
| Manganese - Total | 0.3 | mg/l | | | | | | | | |
| Mercury - Dissolved | 0.0007 | mg/l | | | | | | | | |
| Mercury - Total | 0.0007 | mg/l | | | | | | | | |
| Molybdenum - Dissolved | 0.0007 | mg/l | | | | | | | | |
| Molybdenum - Total | | mg/l | | | | | | | | |
| pH | 6.5 to 8.5 | SU | | | | | | | | |
| Potassium - Dissolved | | | | | | | | | | |
| Potassium - Total | | mg/l mg/l | | | | | | | | |
| Selenium - Dissolved | 0.01 | mg/l | | | | | | | | |
| Selenium - Total | 0.01 | mg/l | | | | | | | | |
| Silver - Dissolved | 0.01 | mg/l | | | | | | | | |
| Silver - Total | 0.05 | mg/l | | | | | | | | |
| Sodium - Dissolved | 20 | mg/l | | | | | | | | |
| Sodium - Total | 20 | | | | | | | | | |
| Strontium - Dissolved | <u> </u> | mg/l mg/l | | | | | | | | |
| Strontium - Dissolved Strontium - Total | <u></u> | mg/l | | | | | | | | |
| Sulfate | 250 | mg/l | | | | | | | | |
| Temperature | 250 | Deg. C | | | | | | | | |
| Total Dissolved Solids | 500 | | | | | | | | | |
| | | mg/l NTU | | | | | | | | |
| Turbidity Vanadium Dissalved | 5 | | | | | | | | | |
| Vanadium - Dissolved | | mg/l | | | | | | | | |
| Vanadium - Total | | mg/l | | | | | | | | |
| Zinc - Dissolved Zinc - Total | _ | mg/l | | | | | | | | |
| ZITIC - TOTAL | | mg/l | | | | | | | | |

-- = No Class GA guidance value or standard exists.
shaded cells indicate exceedence of the Class GA Groundwater Standard

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

| 10,000 | Class GA Groundwater | ****** | Ma | r-21 | Ma | y-21 | Se | p-21 | No | v-21 |
|--|-------------------------|------------|----------------------|----------|--------|----------|---------|----------|------------|----------|
| Analyte | Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | | mg/l | 160 | | 190 | | 160 | | 130 | |
| Aluminum - Dissolved | - | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 13.3 | | 12.4 | | 15.9 | | 9.5 | |
| Arsenic - Dissolved | 0.025 | mg/l | 0.0687 | R | 0.114 | R | 0.0855 | | 0.0772 | |
| Arsenic - Total | 0.025 | mg/l | 0.0556 | | 0.102 | | 0.113 | | 0.0822 | |
| Boron - Dissolved | 1 | mg/l | 2.45 | | 2.76 | R | 2.3 | | 2.74 | R |
| Boron - Total | 1 | mg/l | 2.53 | | 2.39 | | 2.3 | | 2.69 | |
| Bromide | | mg/l | 65.2 | | 61.7 | | 72.7 | | 54.5 | |
| Cadmium - Dissolved | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Calcium - Dissolved | 11 11 11 11 11 | mg/l | 375 | R | 337 | -0 | 361 | R | 330 | J |
| Calcium - Total | | mg/l | 327 | J | 361 | J | 352 | 1 | 389 | J |
| Chloride | 250 | mg/l | 7360 | | 7330 | | 8330 | | 6240 | |
| Chromium - Dissolved | 0.05 | mg/l | 0.0049 | J | 0.01 | LT | 0.01 | LT | 0.00646 | J |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.0126 | | 0.01 | LT |
| Conductivity | - | UMHO/CM | 34460 | | 32360 | | 34940 | | 29680 | |
| Copper - Dissolved | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | - | VOLTS | -260 | | -223 | | -245 | | 62 | - |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Hardness | - | mg/l | 870 | | 959 | | 932 | | 1031 | |
| Iron - Dissolved | 0.3 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Lead - Dissolved | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Dissolved | - 0.025 | mg/l | 6.12 | | 6.8 | | 6.61 | | 4.43 | R |
| Lithium - Total | | mg/l | 6.33 | | 6.88 | | 6.98 | | 4.36 | - 10 |
| Magnesium -Dissolved | | mg/l | 13.2 | | 13.9 | | 12.5 | | 14.6 | R |
| Magnesium - Total | | mg/L | 13.2 | - | 14.2 | 1 | 12.7 | - | 14.5 | - // |
| Manganese - Dissolved | 0.3 | mg/l | 0.0502 | R | 0.0468 | | 0.0631 | | 0.0546 | R |
| | 0.3 | | 0.0302 | - N | 0.0493 | | 0.0622 | | 0.0538 | - 15 |
| Manganese - Total Mercury - Dissolved | 0.0007 | mg/l | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| | 0.0007 | mg/l | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| Mercury - Total | | mg/l | 1.42 | Li | 2.22 | - | 1.91 | LI | | LI |
| Molybdenum - Dissolved | | mg/l | 1.52 | | | R | 2.81 | - | 1.57 | _ |
| Molybdenum - Total | 25405 | mg/l SU | | - | 2.17 | - | 8.2 | | 7.8 | |
| pH Deteration Discolund | 6.5 to 8.5 | | 8.3 | | 8,2 | - | | | | _ |
| Potassium - Dissolved | | mg/l | 1030 920 | B | 802 | - | 1000 | | 579 719 | |
| Potassium - Total | 0.04 | mg/l | | D. | 892 | | 1000 | | | |
| Selenium - Dissolved | 0.01 | mg/l | 0.0654 | R | 0.0634 | - | 0.0583 | | 0.0435 | _ |
| Selenium - Total | 0.01 | mg/l | 0.0647 | 1.7 | 0.07 | 19 | 0.0629 | | 0,0635 | 1.0 |
| Silver - Dissolved | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Sodium - Dissolved | 20 | mg/l | 7560 | R | 6710 | | 7440 | | 6050 | |
| Sodium - Total | 20 | mg/l | 7310 | | 8770 | - | 8680 | - | 7390 | |
| Strontium - Dissolved | | mg/l | 4.69 | | 4.56 | | 4.69 | | 4.88 | |
| Strontium - Total | | mg/l | 4.44 | | 4.75 | | 4.66 | | 4.76 | |
| Sulfale | 250 | mg/l | 10100 | | 10000 | | 10200 | - | 9880 | _ |
| Temperature | | Deg. C | 14 | | 16 | - | 16 | | 14 | |
| Total Dissolved Solids | 500 | mg/l | 26000 | | 25000 | | 26200.0 | | 21600.0 | |
| Turbidity | 5 | NTU | 42.0 | | 27.0 | | 29.0 | | 62.0 | |
| Vanadium - Dissolved | | mg/l | 0.732 | 1-30-3 | 0.892 | | 0.794 | | 0.653 | |
| Vanadium - Total | - | mg/l | 0.834 | | 0.94 | | 0,809 | | 0.676 | |
| Zinc - Dissolved | 4 | mg/l | 0.02 | LŢ | 0.02 | LT | 0.02 | 1.7 | 0.02 | LT |
| Zinc - Total | 10.00 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| 200 | Class GA | | Ma | r-21 | Ma | y-21 | Se | p-21 | No | v-21 |
|------------------------|-----------------------------|---------|----------------------|----------|---------|----------|-------|----------|---------|----------|
| Analyte | Groundwater Standard (1) | Units | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 9 | mg/l | 130 | | 280 | | | | 238 | |
| Aluminum - Dissolved | - | mg/l | | 1 | | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | | | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.1 | LT | 0.1 | LT | | | 0.1 | LT |
| Arsenic - Dissolved | 0.025 | mg/l | | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.00359 | J | 0.00318 | J | | 1 | 0.0063 | d |
| Boron - Dissolved | 1 | mg/l | | | | | | 100 | | |
| Boron - Total | 1 | mg/l | 0.05 | LT | 0.0594 | | | | 0.0566 | |
| Bromide | | mg/l | 1-1 | LT | 1 | LT | | 1 | 1 | LT |
| Cadmium - Dissolved | 0.005 | mg/l | | | | | | | 1 - 1 - | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | | 1.0 | 0.005 | LT |
| Calcium - Dissolved | 10 | mg/l | 100000 | | - Siece | | | | | 1 |
| Calcium - Total | т. | mg/l | 52.1 | | 95.4 | | | | 108 | |
| Chloride | 250 | mg/l | 81.7 | | 78.3 | | | | 110 | |
| Chromium - Dissolved | 0.05 | mg/l | 91.7 | | 70.0 | 1 | | | 710 | + |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | | | 0.01 | LT |
| Conductivity | 0.05 | UMHO/CM | 620 | | 805 | | | | 1055 | |
| | 0.2 | | 020 | _ | 500 | - | | | 1035 | - |
| Copper - Dissolved | + | mg/l | 0.025 | LT | 0.025 | LT | | 100 | 0.025 | LT |
| Copper - Total | 0.2 | mg/l | | Li | | LI | | | | LT |
| Eh | | VOLTS | 40 | | 7 | | | | 65 | V.+ |
| F2 | 1.5 | mg/l | 0.52 | _ | 0.2 | LT | | | 0.2 | LT |
| Hardness | | mg/l | 181 | | 328 | | | | | |
| Iron - Dissolved | 0.3 | mg/l | | | 72.02.2 | | | 100 | - 23 | |
| Iron - Total | 0.3 | mg/l | 0.295 | | 0.206 | | | | 0.1 | LT |
| Lead - Dissolved | 0.025 | mg/l | | | | | | - | | |
| Lead - Total | 0.025 | mg/L | 0.003 | - LT | 0.003 | LI | 1 | 1 1 | 0.003 | LT |
| Lithium - Dissolved | | mg/l | | | | | | | | |
| Lithium - Total | - | mg/l | 0.16 | | 0.293 | | I | DRY | 0.261 | |
| Magnesium -Dissolved | | mg/l | | - | | | | | | |
| Magnesium - Total | | mg/t | 12.4 | | 21.8 | 3 | | | 24.7 | |
| Manganese - Dissolved | 0.3 | mg/l | | | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.015 | LT | 0.299 | | | 1.0 | 0.015 | LT |
| Mercury - Dissolved | 0.0007 | mg/l | | | | | | | 11/2/2 | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | 0.0002 | LT | | | 0.0002 | LT |
| Molybdenum - Dissolved | ~ ~ | mg/l | | | 2 | | | 1 | | |
| Molybdenum - Total | 34 | mg/l | 0.05 | LŤ | 0.05 | LT | | | 0.05 | ET |
| pH | 6.5 to 8.5 | SU | 7.8 | | 7.9 | | | 3 | 8.2 | - |
| Potassium - Dissolved | | mg/l | | - | - | | | | | |
| Potassium - Total | - | mg/l | 5 | LT | 5,21 | | | 100 | 10.8 | |
| Selenium - Dissolved | 0.01 | mg/l | | 100 | - | | | | - | |
| Selenium - Total | 0.01 | mg/l | 0.005 | -LT | 0.005 | LT | | | 0.005 | LT |
| Silver - Dissolved | 0.05 | mg/l | 81838 | | 21373 | | | | 11111 | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | | | 0.01 | LT |
| Sodium - Dissolved | 20 | mg/l | 7.07 | | 2,01 | | | | 2.01 | |
| Sodium - Total | 20 | mg/l | 35,9 | | 36 | | | | 50 | LT |
| Strontium - Dissolved | - | mg/L | 00,0 | | 30 | 1 | | | | |
| Strontium - Total | 1 2 | mg/l | 0.164 | | 0.352 | - | | | 0.367 | |
| Sulfate | 250 | | 46.9 | | | | | | | |
| | - | mg/l | | _ | 44.9 | - | | | 65.2 | - |
| Temperature | 500 | Deg. C | 9 | | 24 | | | | 5 | - |
| Total Dissolved Solids | 500 | mg/l | 355 | | 590 | - 4 | | | 640 | _ |
| Turbidity | 5 | NTU | 9.5 | | 3.2 | | | | 1.1 | - |
| Vanadium - Dissolved | 11 24 22 | mg/l | - | 1 | - | | | | | - |
| Vanadium - Total | - | mg/l | 0.05 | LT | 0.05 | LT | | | 0.05 | LT |
| Zinc - Dissolved | | mg/l | | | | | | | | |
| Zinc - Total | E | mg/l | 0.02 | LT | 0.02 | LT | | 2.0 | 0.02 | LT |

Notes:

11 Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| Analyte | Class GA Groundwater Standard (1) | Units | Mar-21 | | May-21 | | Sep-21 | | Nov-21 | |
|------------------------|---|---------|----------------------|----------|---------|----------|--------|----------|---------|----------|
| | | | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | 9 | mg/l | 110 | | 270 | | | | 220 | |
| Aluminum - Dissolved | - | mg/l | | | | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | | | 0.2 | LT |
| Ammonia | 2 | mg/l | 0.1 | LT | 0.1 | LT | | | 0.1 | LT |
| Arsenic - Dissolved | 0.025 | mg/l | | | | | | | | |
| Arsenic - Total | 0.025 | mg/l | 0.00433 | J | 0.01 | LT | | - 1 | 0.00643 | -d |
| Boron - Dissolved | 1 | mg/l | | | | | | | | |
| Boron - Total | 1 | mg/l | 0.05 | LT | 0.057 | | | | 0.05 | LT |
| Bromide | | mg/l | 1-1- | LT | 1 | LT | | | 1 | LT |
| Cadmium - Dissolved | 0.005 | mg/l | | | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | | | 0.005 | LT |
| Calcium - Dissolved | | mg/l | 1 10 10 10 10 10 | | 3.000 | | | | 1 7 1 1 | - |
| Calcium - Total | | mg/l | 56.5 | | 99.5 | | | | 98.4 | |
| Chloride | 250 | mg/l | 75.8 | | 85.9 | 1 7 | | | 105 | |
| Chromium - Dissolved | 0.05 | mg/l | 70.0 | | 00.0 | 1 | | | 100 | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | | | 0.01 | LT |
| Conductivity | 0.05 | UMHO/CM | 600 | | 850 | | | | 935 | - 61 |
| | 0.2 | | 000 | _ | 000 | | | | 933 | |
| Copper - Dissolved | | mg/l | 0.025 | LT | 0.025 | LT | | | 0.025 | LT |
| Copper - Total | 0.2 | mg/l | | LI. | | LI | | | | LF |
| Eh | - | VOLTS | 44 | | 91 | | | | 90 | V.+ |
| F2 | 1.5 | mg/l | 0.53 | _ | 0.2 | LT | | | 0.2 | LT: |
| Hardness | - 1 | mg/l | 194 | | 349 | | | | | |
| Iron - Dissolved | 0.3 | mg/l | | | 12.34.0 | | | | 2 500 | |
| Iron - Total | 0.3 | mg/l | 0.212 | | 0.274 | 4 | | | 0.133 | |
| Lead - Dissolved | 0.025 | mg/l | | | - | | | | | |
| Lead - Total | 0.025 | mg/L | 0.003 | LT | 0.003 | LT - | | | 0.003 | LT |
| Lithium - Dissolved | | mg/l | | | | | | | | |
| Lithium - Total | | mg/l | 0.162 | | 0,312 | | E | RY | 0.277 | |
| Magnesium -Dissolved | | mg/l | 1 | | | | | | | |
| Magnesium - Total | + - 5 | mg/L | 12.8 | | 24.4 | | | | 23.5 | |
| Manganese - Dissolved | 0.3 | mg/l | | | | | | | | |
| Manganese - Total | 0.3 | mg/l | 0.015 | LT . | 0.191 | | | | 0.015 | LT |
| Mercury - Dissolved | 0.0007 | mg/l | + | | | | | | 1-12-14 | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | 0.0002 | LT. | | | 0.0002 | LT |
| Molybdenum - Dissolved | | mg/l | | \sim | 9-0-1 | | | | | |
| Molybdenum - Total | | mg/l | 0.05 | LT | 0.05 | LJ | | | 0.05 | LT |
| pH | 6.5 to 8.5 | SU | 7.7 | | 8 | | | | 8.1 | |
| Potassium - Dissolved | | mg/l | | | | | | | | |
| Potassium - Total | - | mg/l | 5 | LT | 5.68 | | | | 10.7 | |
| Selenium - Dissolved | 0.01 | mg/l | | | - | | | | | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | 0.005 | LT | | | 0.005 | LT |
| Silver - Dissolved | 0.05 | mg/l | | | | | | | F | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | | | 0.01 | LT |
| Sodium - Dissolved | 20 | mg/l | | | | | | | 1 | |
| Sodium - Total | 20 | mg/l | 35.2 | | 38.9 | | | | 50.9 | |
| Strontium - Dissolved | - | mg/L | 22.00 | | | | | | | |
| Strontium - Total | - | mg/l | 0.184 | | 0.372 | | | | 0.328 | |
| Sulfate | 250 | mg/l | 46.5 | | 57.8 | | | | 62.7 | |
| Temperature | 200 | Deg. C | 8 | | 21 | | | | 5 | |
| Total Dissolved Solids | 500 | mg/l | 335 | | 680 | 1 | | | 730 | |
| Turbidity | 5 | NTU | 5.1 | | 10 | - | | | 3.4 | _ |
| | | | 9.1 | | 10 | | | | 3.4 | |
| Vanadium - Dissolved | / co- | mg/l | 0.05 | 1.7 | 0.00 | 1. | | | 0.05 | 1+ |
| Vanadium - Total | - | mg/l | 0.05 | LT | 0.05 | LT | | | 0.05 | LT |
| Zinc - Dissolved | | mg/l | 0.00 | .~ | 0.00 | 1.0 | | | 0.00 | 1. |
| Zinc - Total | 11.23 | mg/l | 0.02 | LT | 0.02 | LT | | | 0.02 | LT |

Notes:

11 Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| Analyte | Class GA Groundwater Standard (1) | Units | Mar-21 | | May-21 | | Sep-21 | | Nov-21 | |
|---------------------------|---|------------|----------------------|----------|---------|----------|-------------|----------|---------|----------|
| | | | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation |
| Alkalinity | - | mg/l | 100 | | 100 | | 110 | | 130 | |
| Aluminum - Dissolved | - | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.2 | LT |
| Ammonia | 2 | mg/l | 1.4 | | 1,7 | | 2,6 | | 1.4 | |
| Arsenic - Dissolved | 0.025 | mg/l | 0.0693 | | 0.0559 | | 0.0551 | | 0.0436 | |
| Arsenic - Total | 0.025 | mg/l | 0.0628 | - | 0.0482 | | 0.0571 | | 0.0476 | |
| Boron - Dissolved | 1 | mg/l | 2.65 | | 3.91 | | 3.01 | | 2.71 | |
| Boron - Total | 1 | mg/l | 2.45 | | 3.4 | | 2.93 | | 2.64 | |
| Bromide | | mg/l | 17.9 | | 16.6 | | 20.5 | | 13.2 | |
| Cadmium - Dissolved | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT | 0.005 | LT |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | 0.005 | LT: | 0.005 | LT |
| Calcium - Dissolved | 11 153 | mg/l | 500 | LT | 500 | LT | 500 | LT | 500 | LT |
| Calcium - Total | - | mg/l | 500 | LT | 500 | LT | 500 | LT | 500 | LT |
| Chloride | 250 | mg/l | 1880 | | 1960 | | 2470 | | 1530 | |
| Chromium - Dissolved | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.0056 | J | 0.01 | LT |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.00558 | J | 0.01 | LT | 0.01 | LT |
| Conductivity | - | UMHO/CM | 11200 | | 11260 | | 12680 | | 9500 | |
| Copper - Dissolved | 0.2 | mg/l | 0.025 | LT | 0.025 | LT. | 0.025 | LT- | 0.025 | LT |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | 0.025 | LT | 0.025 | LT |
| Eh | - | VOLTS | -67 | | -107 | | -178 | | 71 | - |
| F2 | 1.5 | mg/l | 0.2 | LT | 0.2 | LT | 0.2 | LT | 0.26 | |
| Hardness | - | mg/l | 790 | | 766 | | 849 | | 804 | |
| Iron - Dissolved | 0.3 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Iron - Total | 0.3 | mg/l | 0.1 | LT | 0.1 | LT | 0.1 | LT | 0.1 | LT |
| Lead - Dissolved | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lead - Total | 0.025 | mg/l | 0.003 | LT | 0.003 | LT | 0.003 | LT | 0.003 | LT |
| Lithium - Dissolved | 0.020 | mg/l | 2.4 | | 3.29 | | 3.73 | | 2.44 | |
| Lithium - Total | | mg/l | 2.43 | | 3.32 | | 3.73 | | 2.45 | |
| Magnesium -Dissolved | | mg/l | 14.7 | | 20.2 | | 16.4 | | 15.7 | |
| Magnesium - Total | 1 2 | mg/L | 14.1 | | 20.6 | - | 16.3 | - | 15.7 | - |
| Manganese - Dissolved | 0.3 | mg/l | 0.0229 | - | 0.0211 | _ | 0.0156 | - | 0.0164 | |
| Manganese - Total | 0.3 | | 0.0223 | | 0.0236 | | 0.0152 | | 0.0157 | |
| | 0.0007 | mg/l | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| Mercury - Dissolved | 0.0007 | mg/l | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT | 0.0002 | LT |
| Mercury - Total | | mg/l | | L | | LI | | LI | | LI |
| Molybdenum - Dissolved | | mg/l | 1.04 | | 1.15 | | 1.42 | | 0.873 | _ |
| Molybdenum - Total | 254.25 | mg/l SU | 0.957 7.6 | - | 1.19 | | 1.41 | | 0.905 | |
| pH Deteration Discount | 6.5 to 8.5 | | 230 | - | 7.4 | | 8.1 85.9 | - 1 | 7.3 | D. |
| Potassium - Dissolved | | mg/l | | J | 198 | R | | | 189 | R |
| Potassium - Total | 0.04 | mg/l | 259 | J | 0.018 | J | 295 | J LT | | J |
| Selenium - Dissolved | 0.01 | mg/l | 0.0258 | | | - | 0.005 | LI | 0.0105 | _ |
| Selenium - Total | 0.01 | mg/l | 0,0269 | 1.7 | 0,0208 | 14 | 0.00666 | 1+ | 0.00868 | 1.5 |
| Silver - Dissolved | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | 0.01 | LT | 0.01 | LT |
| Sodium - Dissolved | 20 | mg/l | 1350 | | 1990 | | 2410 | | 1680 | |
| Sodium - Total | 20 | mg/l | 2340 | | 1680 | | 2330 | | 1720 | _ |
| Strontium - Dissolved | | mg/l | 2.89 | | 3.38 | - | 3.16 | | 2.6 | |
| Strontium - Total | - | mg/l | 2.63 | | 3.5 | - | 3.07 | | 2.52 | |
| Sulfale | 250 | mg/l | 3060 | | 3180 | | 3600 | - | 2730 | |
| Temperature | | Deg. C | 11 | | 15 | | 16 | | 13 | |
| Total Dissolved Solids | 500 | mg/l | 7700 | | 8000 | | 8750.0 | | 7070.0 | |
| Turbidity | 5 | NTU | 1.9 | | 5.4 | | 4.4 | | 5.4 | |
| Vanadium - Dissolved | 11 54 55 | mg/l | 0.239 | | 0.153 | | 0.145 | | 0.115 | |
| Vanadium - Total | - | mg/l | 0.259 | | 0.146 | | 0,143 | | 0.119 | |
| Zinc - Dissolved | 4 | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |
| Zinc - Total | | mg/l | 0.02 | LT | 0.02 | LT | 0.02 | LT | 0.02 | LT |

Notes:

(1) Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

| Analyte | Class GA Groundwater Standard (1) | Units | Mar-21 | | Ma | May-21 | | Sep-21 | | Nov-21 | |
|------------------------|---|------------|----------------------|----------|---------|----------|-------|----------|---------|----------|--|
| | | | Value ⁽²⁾ | Notation | Value | Notation | Value | Notation | Value | Notation | |
| Alkalinity | 9 | mg/l | 56 | | 28 | | | | 72 | | |
| Aluminum - Dissolved | - | mg/l | | | | | | | | | |
| Aluminum - Total | | mg/l | 0.2 | LT | 0.2 | LT | | | 0.2 | LT | |
| Ammonia | 2 | mg/l | 0.1 | LT | 0.5 | LT | | | 0.3 | | |
| Arsenic - Dissolved | 0.025 | mg/l | | | | | | 10.0 | | | |
| Arsenic - Total | 0.025 | mg/l | 0.01 | LT | 0.01 | LT | | - 1 | 0.01 | LT | |
| Boron - Dissolved | 1 | mg/l | | | | | | | | | |
| Boron - Total | 1 | mg/l | 0.052 | | 0.05 | LT | | | 0.0588 | | |
| Bromide | - 4 | mg/l | 1 | LT- | 1 | LT | | 1 | | | |
| Cadmium - Dissolved | 0.005 | mg/l | Particular T | | | | | | | | |
| Cadmium - Total | 0.005 | mg/l | 0.005 | LT | 0.005 | LT | | 1.0 | 0.005 | LT | |
| Calcium - Dissolved | - 2 | mg/l | 100 | | | | | 100 | | | |
| Calcium - Total | - | mg/l | 20.1 | | 23.7 | | | | 22.4 | | |
| Chloride | 250 | mg/l | 2.08 | | 2 | LT | | | 2 | LT | |
| Chromium - Dissolved | 0.05 | mg/l | | to Sun | | | | | | | |
| Chromium - Total | 0.05 | mg/l | 0.01 | LT | 0.00632 | 1 | | | 0.00714 | 4 | |
| Conductivity | | UMHO/CM | 160 | | 160 | | | 1 | 200 | | |
| Copper - Dissolved | 0.2 | mg/l | | | | | | - 1 | | | |
| Copper - Total | 0.2 | mg/l | 0.025 | LT | 0.025 | LT | | 1.0 | 0.025 | LT | |
| Eh | | VOLTS | 69 | | 118 | | | | 21 | | |
| F2 | 1.5 | mg/l | 0.51 | | 0.2 | LT | | | 0.77 | | |
| Hardness | - | mg/l | 62 | | 73 | | | - 3 | 69 | | |
| Iron - Dissolved | 0.3 | mg/l | | | | | | | | | |
| Iron - Total | 0.3 | mg/l | 0.406 | | 0.318 | | | | 1.15 | | |
| Lead - Dissolved | 0.025 | mg/l | 0.100 | | 0.0.0 | | | | 7179 | | |
| Lead - Total | 0.025 | mg/t | 0.003 | LT | 0.003 | LT | | | 0.003 | LT | |
| Lithium - Dissolved | - | mg/l | 0.000 | | 0.000 | | DRY | 0.000 | | | |
| Lithium - Total | - | mg/l | 0.1 | LT | 0.1 | LT | | 0.1 | LT | | |
| Magnesium -Dissolved | | mg/l | 0,1 | | 0.1 | | | 0.1 | | | |
| Magnesium - Total | | mg/t | 5 | LT | 5 | LT | | 5 | LŤ | | |
| Manganese - Dissolved | 0.3 | mg/l | | , | | | | | - 5 | , , | |
| Manganese - Total | 0.3 | mg/l | 0.0638 | | 0.101 | | | | 0.207 | - | |
| Mercury - Dissolved | 0.0007 | mg/l | 0.0050 | | 0.101 | 1 ' | | | 0.201 | | |
| Mercury - Total | 0.0007 | mg/l | 0.0002 | LT | 0.0002 | LT | | | 0.0002 | LT | |
| Molybdenum - Dissolved | 0.0007 | mg/l | 0.0002 | L | 0.0002 | LU | | | 0.0002 | - (1) | |
| Molybdenum - Total | | | 0.05 | LT | 0.05 | LT | | | 0.05 | ET | |
| pH | 6.5 to 8.5 | mg/l SU | 7 | LI | 7 | - 1-1 | | | 6.8 | LI | |
| Potassium - Dissolved | | | | _ | | - | | | 0,0 | | |
| | | mg/l | 5 | LT | - | 17 | | | - | LT | |
| Potassium - Total | 0.04 | mg/l | 5 | LI | 5 | LT | | 100 | 5 | Li | |
| Selenium - Dissolved | 0.01 | mg/l | 0.005 | 177 | 0.005 | 17 | | | 0.005 | - 17 | |
| Selenium - Total | 0.01 | mg/l | 0.005 | LT | 0,005 | LJ . | | | 0.005 | LT | |
| Silver - Dissolved | 0.05 | mg/l | 0.04 | 17 | 2.24 | 12 | | | 0.04 | 1= | |
| Silver - Total | 0.05 | mg/l | 0.01 | LT | 0.01 | LT | | 1.7 | 0.01 | LT | |
| Sodium - Dissolved | 20 | mg/l | | 1.4 | - | | | | - | 12 | |
| Sodium - Total | 20 | mg/l | 5 | LT | 5 | LT | | 9 | 5 | LT | |
| Strontium - Dissolved | - | mg/l | ***** | | 5 355 | _ | | | | | |
| Strontium - Total | - | mg/l | 0.0375 | | 0.062 | | | | 0.0517 | | |
| Sulfale | 250 | mg/l | 11.7 | | 10.1 | | | 9 | 3.42 | | |
| Temperature | | Deg. C | 11 | | 22,0 | | | | 9 | | |
| Total Dissolved Solids | 500 | mg/l | 100 | | 265 | 1 | | 1.0 | 125 | | |
| Turbidity | 5 | NTU | 7.2 | | | | | | 10 | | |
| Vanadium - Dissolved | | mg/l | 12.5 | 1 | | 0. 1. | | | Le la | Don't | |
| Vanadium - Total | - | mg/l | 0.05 | LT | 0.05 | LT | | 1.0 | 0.05 | LT | |
| Zinc - Dissolved | - | mg/l | | | | | | | | | |
| Zinc - Total | 110 300 | mg/l | 0.02 | LT | 0.02 | LT | | | 0.02 | LT | |

Notes:

11 Groundwater standards from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1.1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

— = No Class GA guidance value or standard exists.

shaded cells indicate exceedence of the Class GA Groundwater Standard

Notes:

(1)

Groundwater standards or Guidance value from: New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series (TOGS 1,1.1), August 1999.

(2) A blank cell in the "Value" column indicates the analysis was not performed.

(3) Well was installed in August 2007.

NY Class GA Groundwater Standard or Guidance value does not exist.

B = Analyte was detected in equipment blank.

J = Laboratory estimated concentration.

LT = Indicates the compound was analyzed for but not detected.

M = = Matrix spike failed.

S+/M+ = LCS Spike recovery is over acceptable limits and Matrix Spike is over acceptable limits

Z = RPD outside accepted recovery limits

Concentration exceeds the Class GA Groundwater Standard (Appendices A and B) or the Assessment Trigger Value (Appendix C)