2022-23 Annual Report

Waste Discharge License 177-10







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Authorisation

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Certification

I, Michelle Li (Director), have reviewed this report and I confirm that to the best of my knowledge and ability all the information provided in the report is true and accurate.



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Michelle Li

17/5/2023

Date

EXECUTIVE SUMMARY

As part of the Waste Discharge Licence (WDL177-10), NTR is required to complete and provide to the Northern Territory Environmental Protection Agency (NT EPA) a Waste Discharge Licence Annual Monitoring Report. This report documents the Project site's environmental monitoring of the surface waters from 1 May 2022 to 30 April 2023 as per Condition 39 of WDL 177-10.

The Annual Monitoring Report has also been produced in adherence to the requirements set out in Northern Territory Environment Protection Authority Guideline for Reporting on Environmental Monitoring May 2016.

The Project is located 7 km northwest of Batchelor, approximately 105 km by road (Stuart Highway, Batchelor Road and Rum Jungle Road) south of Darwin in the Northern Territory. It is located to the north-east of Litchfield National Park and within the upper catchment of the Finniss River. To the immediate east, and upstream, of the site is the former Rum Jungle Mine, which contains former mine workings including flooded open pits and waste rock dumps/stockpiles.

The treatment process currently involves pumping the poor quality and/or contaminated surface and storm water into a CCD, a thickener tank within the plant, where it is treated with a lime solution and a flocculent/coagulant. The lime raises the pH of the water which causes the metals to precipitate thereby decreasing bioavailable metal concentrations markedly. Flocculent/coagulants turn the precipitated metals into a sludge which is then thickened and pumped to the TSF. The treated water overflows from the thickener and is directed via the site drainage network to the Main Sediment Dam.

The current surface water management strategy aims at preventing the likelihood of poor quality water entering the Open Pit and Main Sediment Dam. Areas that generate poor quality water are currently isolated with bunds and pumps to facilitate treatment of the water prior to release to the Pre-Settlement Ponds. These ponds capture treated and clean site runoff waters and were constructed in 2011 to decrease flow velocity and increase time for particulates to settle out of the water column before overflowing into the Main Sediment Dam.

Water discharged from the Licensed Discharge Point at Site 5 was generally compliant with the trigger levels specified in the WDL177-10. It was routinely noted during the months where discharge occurred that water quality in the East Finniss River measured at Site GS200 (not in WDL 177-10, ref Figure 2) and Site 1 was of substantially poor quality compared to water discharged from Site 5. There are no discernible trends evident from the monitoring data since 2020 apart from seasonal effects.

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1. INTRODUCTION

As part of the Waste Discharge Licence (WDL177-10), NTR is required to complete and provide to the Northern Territory Environmental Protection Agency (NT EPA) a Waste Discharge Licence Annual Monitoring Report. This report documents the Project site's environmental monitoring of the surface waters from 1 May 2022 to 30 April 2023.

The Report has also been produced in adherence to the requirements set out in Northern Territory Environment Protection Authority Guideline for Reporting on Environmental Monitoring May 2016.

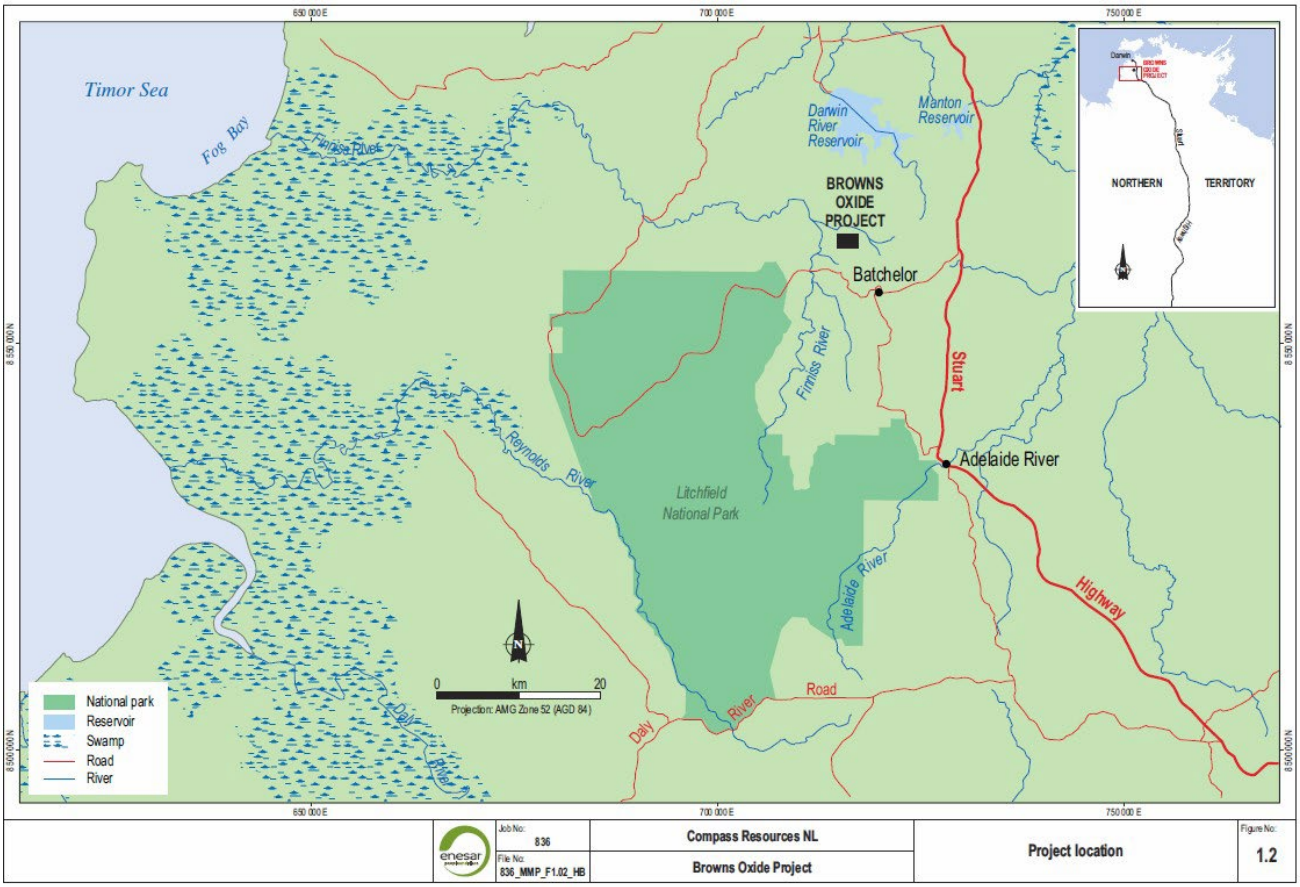


Figure 1: Location of project area

2. MONITORING OBJECTIVE

The objective of the water quality monitoring undertaken is to ensure compliance with Waste Discharge License (WDL) 177-10 that was granted on 25 November 2022. Prior to that date, NTR operated in accordance with WDL177-09.

Specific monitoring requirements within WDL177-10 are specified on Condition 27 and Appendix 2.

3. MONITORING METHOD

A map of the Brown's Site showing WDL177-010 water quality monitoring locations is shown in Figure 2 as well as Appendix 1 of the WDL177-10.



Figure 2 Site layout and surface water sampling sites (DAMOUT1=Site 2)

3.1 Water Management Strategy and Receiving Environment

The site entered a care and maintenance phase in January 2009 following operational activities from July 2007. Water management infrastructure was generally built during and immediately following the site entering care and maintenance. Water at the site is managed using the following mechanisms:

Storm water drainage systems comprising drains and diversion and containment bunds with sumps, pipes and pumps to facilitate pumping contaminated storm water for treatment and discharge to the Main Sediment Dam.

The Browns Project site has a small network of open and underground drains, bunded containment areas and concrete sumps to collect contact water. This contact water is pumped from the containment areas to the water treatment circuit (or 'WTP') within the plant facility. Contact water is captured and pumped to the feed pump box in the WTP. The pipe configuration allows for the feed water input lines to be operated individually or at the same time depending on site requirements. The pit water only slightly exceeds the WDL trigger values and is used as the main feed source to the WTP and is used to blend the stockpile contact water.

Feed water enters the treatment system via Tank #1 and then flows by gravity through Tank #3, Tank #5 and then Tank #7. These three tanks have agitators in place to facilitate the circulation of the lime through the water column. Flocculant is introduced into Tank #7 via a distribution pipeline at a constant flow rate. The flocculant aggregates the precipitated metal particles while gently agitating the water to keep the particles in suspension. This water is then gravity fed into CCD1 and LTT Tanks concurrently. These tanks provide no agitation. This enables the metal precipitate to settle to the bottom of the tanks where it collects as a metal precipitate slurry.

Treated water flows over the launders at the top of the tanks where it collects in each of the respective overflow tanks. From these overflow tanks the water is then pumped to the CCD2 Tank. This tank represents the 'clean' (treated) water which is then piped via the underflow pump to the Pre-Settlement Ponds within the Sediment Dam facility. There is a water quality sampling point (TREAT1) under CCD2 Tank. This sampling point is a WDL 177-10 monitoring site.

Water released from the Pre-Settlement Ponds meanders through a series of vegetated ponds connected via vegetated channels that facilitate the natural filtration of the water. Water from the Sediment Dam is discharged by a valve-controlled pipeline to a naturally-vegetated wetland area that also receives unimpacted flows from Middlebrook Creek. The compliance point (SITE5) for WDL177-10 is about 200 m downstream of the wetland near the fence line that separates the Browns Site from the former Rum Jungle mine site.

The current surface water management strategy aims at preventing the likelihood of poor quality water entering the Open Pit and Main Sediment Dam. Areas that generate poor quality water are currently isolated with bunds and pumps to facilitate treatment of the water prior to release to the Pre- Settlement Ponds. These ponds capture treated and clean site runoff waters and were constructed in 2011 to decrease flow velocity and increase time for particulates to settle out of the water column before overflowing into the Main Sediment Dam.

The open pit is located in the northeast corner of the project area and was bunded in 2010 to prevent contaminated water from the stockpiles from entering the Mine Pit. The eastern wall was also heightened in 2011 following the flooding of the pit by overflow from the East Finniss River during Cyclone Carlos.

Historically, the water level in the open pit was held at a level between 55 and 60 m AHD. Assessments in 2011 indicated that the water level in the oxide open pit should be maintained at a level not higher than 55.8 m AHD (at a level slightly below the bed of the East Finniss River) to inhibit seepage from the pit. Water is currently actively managed via pumping to the CCDs for treatment before being discharged to the Main Sediment Dam.

The water quality entering and leaving the Main Sediment Dam is currently monitored regularly in accordance with the schedule specified in WDL177-10. Water quality in the Main Sediment Dam must be of sufficient quality so that water at WDL Site 5 can meet the trigger values listed in WDL 177-10 (see Table 1). Management actions are to be evaluated if the water quality at WDL Site 5 exceed the trigger values listed.

The Main Sediment Dam has a siphon installed which is utilised to discharge water from storage when the flows within the East Finniss River are above 1.5 m at GS8501200.

3.2 Surface Water Monitoring Program

Current monitoring locations are in accordance with the current Waste Discharge Licence 177-10. Sample frequency and water quality monitoring parameters at the WDL locations (WDL Sites 1, 2, 4, 5 and Treat01) are stipulated as part of the WDL.

Figure 2 illustrates the locations, which were stipulated in Appendix 1 of Waste Discharge Licence (WDL177-10), for surface water sample collection points. There are five surface water collection locations.

- Site 1 is upstream of the discharge point from the Browns Project Site on the East Finniss River and the location was stipulated by Waste Discharge Licence (WDL177-10) conditions. This point represents the receiving water body and allows the comparison of water quality of the treated storm water to the receiving water quality. This site is not influenced by the activities of the Browns Project.
- Site 2 is in the sediment dam (see Damout1 on Figure 2). This dam captures treated storm water and is discharged to the East Finniss River as per Waste Discharge Licence (WDL177-10) conditions.
- Site 4 is Middlebrook Creek which is upstream of discharge point and originates offsite. This creek runs on to site.
- Site 5 is the authorised discharge point in the Waste Discharge Licence (WDL177-10) and is the location Site 4 (Middlebrook Creek) exits the site after mixing with project discharge water and flows into the East Finniss River.
- Treat01 is the point located in the Water Treatment Plant immediately after the water comes out of the Plant. This water is pumped from the Water Treatment Plant to Site 2.

In addition, GS200 is monitored downstream of Site 5 to facilitate hardness corrections for determination of Site 5 compliance for filtered metals.

The receiving environment of the discharge water is downstream of a contaminated legacy mine site, the former Rum Jungle mine. This site was a copper and uranium mine with several open pits and also contained a number of other associated metals. The mine was operational during the 1950's and 1960's and was closed with minimal rehabilitation leading to major environmental problems that exist today.

There are a total of five surface water monitoring locations which will be utilised across the Project area for the current licence. Sampling locations will only be sampled when they are flowing. The locations and sampling frequencies and, water quality monitoring parameters are detailed in Table 1 and their locations are displayed Figure 2.

Table 1 WDL117-10 sampling schedule and trigger values

Site Code				**Site 1**	**Site 2**	**Site 4**	**Site 5**	**Treat01**	
Parameter	Abbr.	Unit	Analysis	Monitoring Frequency					Trigger Values1
Field Measurements									
Water Level		m	In Situ	W	W	W	D	W	N/A
pH	pH	pH							6.5-8.5
Electrical Conductivity	C	µS/cm							700[2]
Dissolved Oxygen	DO	% sat.							N/A
Turbidity	NTU	NTU							10
Temperature	T	C							N/A
Dissolved Metals									
Aluminium	Al	µg/L	Filtered (0.45 um)	W	W	W	W	W	80
Cadmium	Cd								0.4
Chromium	Cr								6[4]
Cu	Co								13
Copper	Cu								2.5
Iron	Fe								ND
Lead	Pb								6.6
Manganese	Mn								2500
Nickel	Ni								13[4]
Uranium	U								ND
Zinc	Zn								15[4]
Major Chemistry									
Total Suspended Solids	TSS	mg/L	Filtered (0.45 um)	W	W	W	W	W	6
Carbonate	CO3								ND
Hardness	CaCO3								ND
Bicarbonate	HCO3								ND
Calcium	Ca								ND
Magnesium	Mg								ND
Potassium	K								ND
Sodium	Na								ND
Chloride	Cl								ND
Sulfate	SO4								ND

KEY:
C = Continuous
D = Daily during discharge and at least once per discharge event.
P = Prior to discharge
W =Weekly during the discharge period, starting within 24 hours of start of discharge and continuing until 14 days after the last discharge event of the season.

[1] Trigger Values are default ANZG (2018) values at 90% species protection level (unless otherwise specified) and are to be applied to dissolved metal concentrations a the Compliance Point (Site 5) only.
[2] Trigger Value for EC is the average concentration of EC at SITE 1, derived using data from the 2016/17 and 2017/18 Wet seasons.
[3] Trigger Value for copper (Cu) is based on the default ANZG (2018) value at 80% species protection level, taking into account background levels of Cu at Site 4.
[4] Concentrations may be modified to account for hardness, on a 'per sample' basis at the frequency specified at Site 5, as measured at GS8150200 and in accordance with the ANZECC 2000 Guidelines.
[5] Trigger values for Turbidity and Total Suspended Solids are based on 80th percentile of data from Site 4 from the 2020/21 and 2021/22 wet seasons. If trigger values are exceeded upstream of the compliance point (Site4) on the date of sampling, exceedances at Site 5 do not count towards notifiable incidents specified at Item 10.

N/A – Not Applicable.

A flow meter installed at DAMOUT1 measures the volume of water discharged via Site 5. The total volume of water discharged during 2022/23 was 1,008ML.

3.3 Surface Water Sampling Procedure

Field measurements

Surface water monitoring is to be undertaken in accordance with the following:

- Complete surface water quality sheet for location.
- Measure water quality parameters using calibrated probes

Record field water quality parameters by either suspending the water quality meter within the water body or collecting a sample and placing into a bucket for measurements to be taken.

Laboratory measurements

Surface water monitoring is to be undertaken in accordance with the following:

1. Complete surface water quality sheet for location.
2. Collect sample using appropriate lab supplied bottles
3. Grab Sample

Rinse long arm sampler container in the water body to be sampled three times. Place long arm sampler directly into water body, open end vertically down and fill with an arc motion with the bottle mouth facing upstream. Take care to avoid collecting surface films. For waters less than half a metre in depth, collect a grab sample at half the water depth. For waters greater than half a metre in depth, a grab sample should be taken at 20 to 30 cm below the surface water.

A total metals sample (not filtered) and a dissolved metal sample should be collected. The dissolved metal sample required field filtration through a disposable 0.45 µm filter.

4. Waste Disposal

Excess surface water is to be returned to ground and all disposable sampling equipment used should be stored for disposal at the site office including filters.

5. Electronic Transfer

All water quality results, duplicate locations and Chain of Custody (CoC) are to be scanned and kept on file. All data, both field and laboratory, is to be entered into ESdat for storage and retrieval.

3.4 Surface Water Trigger Values

The assessment guideline values adopted from the Project are adopted from default ANZG (2018) freshwater trigger values for 90% aquatic ecosystem protection. The trigger values are to be applied at WDL Site 5 as per the WDL 177-10. Trigger Values may be modified to account for hardness, on a per sample basis, as measured at GS8150200 and in accordance with the ANZECC 2000 Guidelines. The calculated Hardness Modified Triger Levels for Site 5 are provided in Appendix B where relevant.

3.5 Quality control

Laboratory quality control

Samples are analysed at a NATA accredited laboratory - Eurofins. The laboratory quality assurance processes include reagent blanks, matrix spikes, internal standards and surrogate spikes.

Field quality control

The QC program is to be undertaken in accordance with the general relevant requirements set out in the Australian Standard AS4482.1 (2005). QC samples provide information that discounts or potentially identifies any errors due to possible sources of cross contamination, inconsistencies in sampling and analytical techniques used. The QC program to be completed includes a split duplicate.

Field quality control procedures will include the collection and analysis of the following:

- Blind field duplicates (BFDs): Comprise a single sample that is divided into two separate sampling containers. Both samples are sent anonymously to the primary Project laboratory. Blind duplicates provide an indication of the analytical precision of the laboratory, but are inherently influenced by other factors such as sampling techniques and sample media heterogeneity.

4. RESULTS

All water quality monitoring results are provided in:

- Appendix A – field parameters for 1 May 2022 to 30 April 2023
- Appendix B – laboratory results for 1 May 2022 to 30 April 2023
- Appendix C- graphs of field and laboratory data by monitoring site
- Appendix D – graphs of data for 1 July 2020 to 30 April 2023
- Attached excel files

Table 2 shows the volume of treatment on site and discharge from DAMOUT1 (Site 2) during 2022-23

Table 2 Water treatment and discharge for 2022-23

Month	Water Treated (m^3)	Water Discharged (m^3)
May 22	6,334	-
Jun 22	-	-
Jul 22	29,127	-
Aug 22	17,072	-
Sep 22	15,829	-
Oct 22	19,708	-
Nov 22	19,732	-
Dec 22	58,382	145,025
Jan 23	152,329	287,614
Feb 23	128,555	161,237
Mar 23	153,890	294,406
Apr 23	142,310	120,585
Total	736,934	1,008,867

Site 1

Appendix A show Site 1 water quality parameters pH, conductivity, temperature, dissolved oxygen, redox potential and turbidity. The data Table 3 below illustrates the minimum, maximum, average and standard deviation of the data from 1 May 2022 to 30 April 2023. As with the previous site there is a small dilution effect from the wet season.

The site is downstream of where the Rum Jungle contamination enters the East branch of the Finniss River. Appendix C graphs the data and shows that average pH is low for a natural site and conductivity is high. Average Turbidity is also high. This site is slightly downstream of the confluence of where contaminated AMD waters flow into the river from Rum Jungle.

Table 3 Site 1 water quality parameters basic statistics for 2022 to 2023

Site 1	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
	oC	mg/L	mV	%	µS/cm	-	NTU
Min	23.9	2.3	72.6	35.2	38.0	5.3	0.0
Max	32.4	8.2	284.8	105.5	2216.0	8.1	65.0
Average	28.1	4.8	184.5	63.3	332.4	7.0	12.2
StDev	2.0	2.1	43.7	26.8	467.0	0.6	14.7

Table 4 and Table 5 (from Appendix B) show the min, max, average and standard deviation of the inorganic data and the metal data for Site 1 respectively. Both data sets show elevated readings for SO_4 and $CaCO_3$ for the organics, and elevated results for Pb, Al, Cd, Ca, Co, Fe, Mn, Mg, Ni, K and Zn. These elevated results would be a result of the Acid Mine Drainage (AMD) that is present at the Rum Jungle site and the mobilisation of these metals through the AMD. These results are at their highest during first flush events which is associated with the early wet season.

Table 4 Site 1 inorganics results basic statistics for 2022 to 2023

Site 1	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)
Minimum	1.2	1.9	8.6	16.0	5.4
Maximum	15.0	3.6	460.0	470.0	32.0
Average	3.9	2.8	154.7	164.9	16.8
StDev	4.6	0.6	332.2	331.9	9.6

Table 5 Site 1 filtered metals results basic statistics for 2022 to 2023

Site 1	Aluminium (filtered)	Cadmium (filtered)	Calcium	Chromium (III+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Magnesium	Manganese (filtered)	Nickel (filtered)	Potassium	Uranium (filtered)	Zinc (filtered)
Min	0.1	0.0	1.6	0.0	0.0	0.0	0.1	0.0	3.0	0.0	0.0	0.5	5.0	0.0
Max	2.9	0.0	130.0	0.0	6.1	2.4	16.0	0.0	320.0	12.0	5.0	2.6	82.0	12.0
Avg	0.3	0.0	13.5	0.0	0.4	0.2	2.4	0.0	32.5	0.9	0.3	1.1	31.3	0.7
Std	0.7	0.0	27.3	0.0	1.2	0.5	6.0	0.0	66.1	2.5	1.0	0.7	43.9	2.5

Site 2

Appendix A show Site 2 water quality parameters pH, conductivity, temperature, dissolved oxygen, redox potential and turbidity. The data in Table 6 below illustrates theminimum, maximum, average and standard deviation of the data from 1 May 2022 to 30 April 2023. Appendix C graphs the data and shows that average pH is within a normal range and conductivity is also within a normal range. Average Turbidity is within normal ranges. This site is the receiver of treated water from the Browns Water Treatment Plant and the water quality is reasonable prior to its discharge from Site 5.

Table 6 Site 2 water quality parameters basic statistics for 2022 to 2023

Site 2	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
	oC	mg/L	mV	%	µS/cm	-	NTU
Min	21.3	2.0	74.0	25.8	2.0	7.0	-2.4
Max	34.2	7.5	224.1	99.0	1233.0	8.4	22.3
Average	29.9	4.0	150.0	53.5	452.6	7.6	5.5
StDev	2.8	1.7	33.1	22.5	205.1	0.4	5.4

Table 7 and Table 8 (from Appendix B) show the min, max, average and standard deviation of the inorganic data and the metal data for Site 2 respectively. Both data sets show results that are within acceptable limits for all the parameters that are analysed. Most metal data are low, indicating that the main sediment dam is not storing potentially polluted water that could, in a major wet weather overflow, be discharged from the site.

Table 7 Site 2 inorganics results basic statistics for 2022 to 2023

Site 2	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)
	mg/L	mg/L	mg/L	mg/L	mg/L
Min	1.1	3.3	74.0	99.0	<5
Max	30.0	19.0	230.0	320.0	7.9
Avg	4.3	6.2	142.7	195.4	<5
Stdev	4.1	2.6	44.4	56.5	0.0

Table 8 Site 2 filtered metals results basic statistics for 2022 to 2023

Site 2	Aluminium (filtered)	Cadmium (filtered)	Calcium	Chromium (III+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Magnesium	Manganese (filtered)	Nickel (filtered)	Potassium	Uranium (filtered)	Zinc (filtered)
	mg/L													
Min	0.000	0.000	13.000	0.001	0.001	0.003	0.070	0.000	16.000	0.005	0.001	0.500	0.000	0.005
Max	0.000	0.000	43.000	0.004	0.012	0.015	0.120	0.000	51.000	0.420	0.014	3.100	0.000	0.016
Avg	0.000	0.000	24.654	0.002	0.004	0.007	0.095	0.000	32.615	0.056	0.006	1.150	0.000	0.008
Stdev	0.000	0.000	6.880	0.002	0.003	0.003	0.035	0.000	9.730	0.094	0.003	0.451	0.000	0.003

Site 4

Appendix A show Site 4 water quality parameters pH, conductivity, temperature, dissolved oxygen, redox potential and turbidity. The data shown in Table 9 below illustrates the minimum, maximum, average and standard deviation of the data from 1 May 2022 to 30 April 2023. Appendix A shows that average pH is within a normal range and conductivity is also within a normal range. Average Turbidity is within normal ranges, noting that in high rainfall event elevated turbidity is measured. This site is a natural ephemeral creek that enters the mine site from the East and exits feeding the wet land area and into the East branch of the Finniss River downstream of the Rum Jungle affected Site 1. It is unaffected by Browns Project during its transit through the site. The site is generally dry in the dry season and no sampling occurs in that period.

Table 9 Site 4 water quality parameters basic statistics for 2022 to 2023

Site 4	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
	oC	mg/L	mV	%	µS/cm	-	NTU
Min	23.5	1.6	67.6	7.0	8.5	5.8	0.0
Max	36.3	30.2	361.1	105.8	480.0	8.2	48.4
Average	27.3	3.6	203.0	38.1	49.8	7.0	6.1
StDev	2.2	2.7	48.3	16.8	63.3	0.5	6.4

Table 10 and Table 11 (from Appendix B) show the min, max, average and standard deviation of the inorganic data and the metal data for Site 4 respectively. Both data sets show results that are within acceptable limits for all the parameters that are analysed. Most metal data are low, with some elevated readings due to natural first flush cycles.

Table 10 Site 4 inorganics results basic statistics for 2022 to 2023

Site 4	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)
	mg/L	mg/L	mg/L	mg/L	mg/L
Min	1.6	1.7	9.0	5.5	5.2
Max	49.0	3.0	34.0	33.0	6.6
Avg	13.8	2.1	18.3	14.8	5.9
Stdev	19.4	0.3	13.7	12.4	1.0

Table 11 Site 4 filtered metals results basic statistics for 2022 to 2023

Site 2	Aluminium (filtered)	Cadmium (filtered)	Calcium	Chromium (III+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Magnesium	Manganese (filtered)	Nickel (filtered)	Potassium	Uranium (filtered)	Zinc (filtered)
	mg/L													
Min	0.060	0.000	0.700	0.000	0.000	0.001	0.050	0.000	0.500	0.005	0.000	0.500	0.000	0.005
Max	0.150	0.000	2.300	0.000	0.000	0.002	0.140	0.000	6.700	0.021	0.000	2.500	0.000	0.005
Avg	0.082	0.000	1.500	0.000	0.000	0.001	0.071	0.000	1.024	0.009	0.000	0.805	0.000	0.005
Stdev	0.039	0.000	1.131	0.000	0.000	0.001	0.020	0.000	1.499	0.005	0.000	0.425	0.000	0.000

Site 5

Appendix A show Site 5 water quality parameters pH, conductivity, temperature, dissolved oxygen, redox potential and turbidity. The data Table 12 below illustrates the minimum, maximum, average and standard deviation of the data from 1 May 2022 to 30 April 2023. Appendix A shows that average pH is within a normal range and conductivity is also within a normal range. Average Turbidity is within normal ranges. This site is the compliance point for the Water Discharge Licence (WDL 177-10). Results have been recorded and reported as per the monthly reports to NTEPA Appendix G.

Table 12 Site 5 water quality parameters basic statistics for 2022 to 2023

Site 5	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
	oC	mg/L	mV	%	µS/cm	-	NTU
Min	23.9	0.8	28.0	6.3	21.1	5.8	0.0
Max	275.0	251.0	460.4	93.3	839.0	8.4	42.1
Average	29.5	4.6	182.7	31.5	199.6	7.1	6.8
StDev	22.0	22.0	58.1	14.8	127.0	0.4	7.5

Figure 3 shows pH and EC at Site 5 during the reporting period. During the periods where discharge was occurring, pH and EC complied with the WDL discharge trigger values.

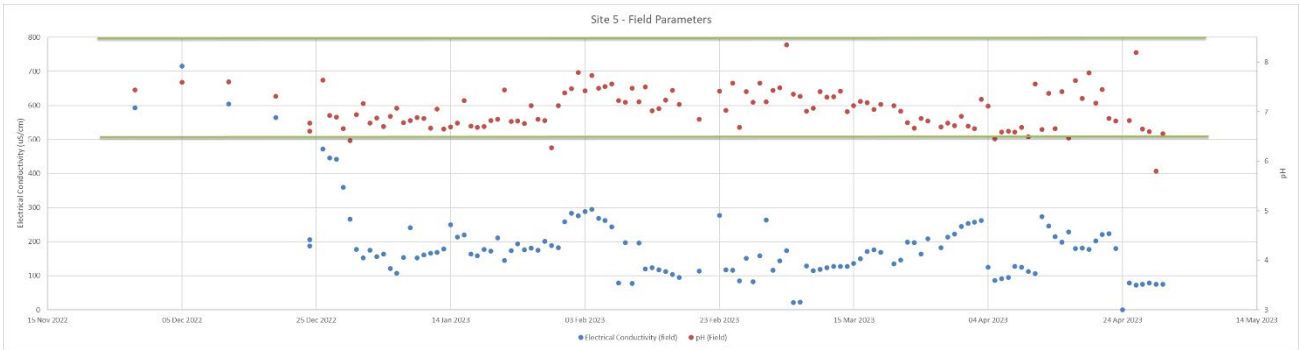


Figure 3 pH and EC from Site 5

Table 13 and Table 14 (from Appendix B and Appendix E) show the min, max, average and standard deviation of the inorganic data and the metal data for Site 5 respectively. The inorganic data show an acceptable average. The monthly reports to NTEPA in Appendix B and Appendix G calculate the Hardness

Modified Trigger Levels for discharge at Site 5. The Hardness Modified Trigger Levels are generally higher than the standard trigger levels specified in the WDL (due to hardness > 30 mg/L in the River). During periods of discharge, the Hardness Modified trigger Levels or the 3 x Trigger Levels values were not exceeded. The Hardness Modified Trigger Levels were determined by measured Hardness at GS200 and applied to the metals concentrations at Site 5 for samples taken on the same day.

Table 13 Site 5 inorganics results basic statistics for 2022 to 2023

Site 5	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)
	mg/L	mg/L	mg/L	mg/L	mg/L
Min	1.2	2.3	12.0	27.0	5.1
Max	100.0	33.0	210.0	290.0	10.0
Avg	6.7	9.9	59.1	123.8	6.6
Stdev	17.4	9.5	41.0	85.0	1.8

Table 14 Site 5 filtered metals results basic statistics for 2022 to 2023

Site 5	Aluminium (filtered)	Cadmium (filtered)	Calcium	Chromium (III+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Magnesium	Manganese (filtered)	Nickel (filtered)	Potassium	Uranium (filtered)	Zinc (filtered)
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	mg/L
Min	0.0	0.0	2.8	0.0	0.0	0.0	0.1	0.0	4.6	0.0	0.0	0.5	5.0	0.0
Max	0.000	0.000	57.000	0.002	0.003	0.007	0.230	0.000	39.000	0.6	0.005	2.000	6.000	0.011
Avg	0.000	0.000	18.972	0.002	0.002	0.003	0.086	0.000	19.174	0.1	0.002	0.980	5.857	0.008
Stdev	0.000	0.000	15.321	0.001	0.001	0.002	0.046	0.000	11.582	0.1	0.001	0.001	0.378	0.002

As described in the Monthly Discharger Reports (see Appendix G), nine generally minor exceedances of the Site 5 trigger levels were recorded during the reporting period. These exceedances are summarised below.

Table 15 Exceedances of Site 5 trigger values for 2022 to 2023

Date	Exceedance	Comments
24 December 2022	Exceedance of Cu trigger value – filtered Cu 0.005 mg/L	Exceedances very small – Cu measured at Site 1 significantly higher. No impact.
26 December 2022	Exceedance of Cu trigger value – filtered Cu 0.005 mg/L	Exceedances very small – Cu measured at Site 1 significantly higher. No impact.
9 January 2023	Exceedance of Cu trigger value – filtered Cu 0.004 mg/L	Exceedances very small – Cu measured at Site 1 significantly higher. No impact.
24 January 2023	Exceedance of Cu trigger value – filtered Cu 0.003 mg/L	Exceedances very small – Cu measured at Site 1 significantly higher. No impact.
29 January 2023	pH 6.29	Generally acidic water measured at Site 4 during January 2023 – pH generally ~0.5 pH unit less than Site 5
3 February 2023	Turbidity 18.8 NTU	Site 4 turbidity < 10 NTU. Likely caused by rainfall in preceding day.
23 February 2023	Exceedance of Cu trigger value – filtered Cu 0.006 mg/L	Exceedances very small – Cu measured at Site 1 significantly higher. No impact.
25 March 2023	Turbidity 18.3 NTU	Site 4 turbidity < 10 NTU. Likely caused by heavy rainfall.
23 February 2023	Exceedance of Cu trigger value – filtered Cu 0.006 mg/L	Exceedances very small – Cu measured at Site 1 significantly higher. No impact.
11 April 2023	Exceedance of Cu trigger value – filtered Cu 0.003 mg/L	Exceedances very small – Cu measured at Site 1 significantly higher. No impact.
16 April 2023	pH 6.45	Nil

Treat01

Appendix A show Treat01 water quality parameters pH, conductivity, temperature, dissolved oxygen, redox potential and turbidity. Table 16 below illustrates the minimum, maximum, average and standard deviation of the data from 1 May 2022 to 30 April 2023. Appendix A shows that average pH is high because of the water treatment process which artificially raises the pH with a reagent so as to precipitate out the contaminate metals before being pumped to (Sediment Dam). All other parameters are within a normal ranges at this site which is situated in the Water Treatment Plant after the water is treated and before it is pumped to the main sediment dam (Site 2).

Table 16 Site Treat01 water quality parameters basic statistics for 2022 to 2023

Treat01	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
	oC	mg/L	mV	%	µS/cm	-	NTU
Min	26.4	2.8	19.4	40.0	205.0	7.2	0.0
Max	31.5	8.3	230.4	108.5	450.0	10.3	18.8
Average	29.1	5.0	92.5	67.0	323.5	9.1	7.3
StDev	1.6	2.1	48.6	27.9	65.5	0.9	5.1

Table 17 and Table 18 (from Appendix B) show the min, max, average and standard deviation of the inorganic data and the metal data for Treat01 respectively. The inorganic and metals data show an acceptable average.

Table 17 Site Treat01 inorganics results basic statistics for 2022 to 2023

Treat01	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)
	mg/L	mg/L	mg/L	mg/L	mg/L
Min	1.1	1.3	55.0	70.0	10.0
Max	4.4	49.0	200.0	210.0	16.0
Avg	2.3	5.3	108.8	146.2	12.7
Stdev	1.1	10.0	34.1	30.4	3.1

Table 18 Site Treat01 filtered metals results basic statistics for 2022 to 2023

Treat01	Aluminium (filtered)	Cadmium (filtered)	Calcium	Chromium (III+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Magnesium	Manganese (filtered)	Nickel (filtered)	Potassium	Uranium (filtered)	Zinc (filtered)
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	mg/L
Min	0.240	0.000	9.500	0.001	0.001	0.002	0.050	0.001	2.400	0.005	0.001	0.600	0.000	0.006
Max	0.240	0.000	37.000	0.002	0.008	0.026	0.050	0.036	34.000	0.028	0.006	2.500	0.000	0.012
Avg	0.240	0.000	19.500	0.000	0.003	0.008	0.000	0.014	23.638	0.015	0.003	1.105	0.000	0.009
Stdev	0.000	0.000	6.376	0.000	0.002	0.008	0.000	0.014	6.737	0.010	0.001	0.575	0.000	0.003

5. POLLUTANT LOADS

Pollutant loads were calculated for dissolved copper, cobalt and nickel (ie metals that had measured concentrations above the EQL) – see Table 19.

Table 19 Load of discharged key metal pollutants for 2022 to 2023

Date	Discharge vol (m3)	Co (kg)	Cu (kg)	Ni (kg)
Dec-22	145,025	0.36	0.76	0.51
Jan-23	287,614	0.29	0.75	0.36
Feb-23	161,237	0.16	0.42	0.21
Mar-23	294,406	0.00	0.47	0.17
Apr-23	120,585	0.00	0.31	0.21
Total	**1,008,867**	**0.81**	**2.72**	**1.46**

6. QUALITY ASSURANCE

All laboratory data were measured and reported at a NATA accredited laboratory, Eurofins.

Duplicate samples were generally taken at Site 5 for QAQC and comparison purposes.

Field probes were calibrated according to the manufacturer's instructions.

Additional information is provided at:

- Appendix E– QAQC calculations and results for 1 May 2022 to 30 April 2023
- Appendix F – Chain of Custody documentation for 1 May 2022 to 30 April 2023

7. DISCUSSION

Monitoring was undertaken in accordance with the requirements of WDL177-010 during the 2022-23 reporting period. Monthly discharge reports were submitted where discharge occurred during the months December 2022-April 2022. During the period where discharge was occurring, the discharge water quality measured at Site 5 generally complied with the trigger levels specified in WDL177-10 (noting that a non-compliance requires three consecutive exceedances of the WDL trigger level or an exceedance of the three time trigger level during periods of discharge). Several minor exceedances of turbidity were measured during periods of intense rainfall. Several exceedances of the dissolved coper trigger and low pH values were also measured, however no instances of three consecutive exceedance of the trigger value during discharge was recorded.

Monitoring data for Site 1 and GS200 which is located upstream and downstream, respectively, of Site 5 and located in the East Finnis River is provided in Appendix B (NB: GS200 is additional to the monitoring requirements specified in WDL17-10) and graphically shown in Appendix C where upstream results (GS200, Site 1) are compared to the discharge water quality (Site 5). Of note is the consistently higher concentration of copper, cobalt, nickel and zinc in samples collected at Site 1 and GS200 site. This is illustrated in Figure 4 for dissolved copper. Similarly, pH is often lower and EC higher at the upstream locations. The general observation is that during the wet season high frequency monitoring period, monitoring at Site 1 and GS200 results exceed the copper, cobalt, nickel and zinc concentration measured at the Site 5 monitoring location generally by an order of magnitude (or in some instances more).

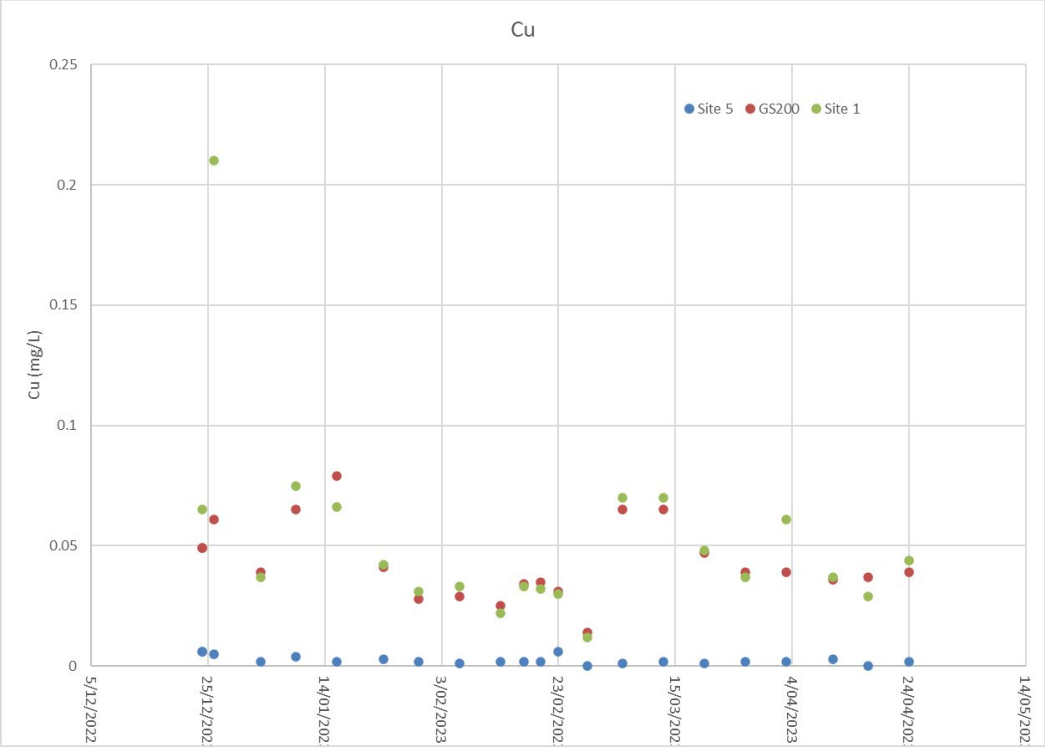


Figure 4 Comparison of filtered Cu from Site 5, Site 1 and GS200

Water quality monitoring data measured at Site 2, Site 4 and Treat01 are all consistent with previous monitoring results, indicating that the Brown Site is performing in a generally stable manner. Water quality treatment on site is precipitating metals under high pH/alkalinity, and further polishing is occurring in water quality ponds as measured at Site 2. No management actions were implemented during the reporting period in response to monitoring undertaken in accordance with WDL177-10, other than routine operation and maintenance of the Water Treatment Plant as well as the site water management system which comprises several pumps, pipelines and earthen dams, bunds, diversion and the like.

There are no discernible trends evident from the data since 2020 apart from the seasonal effects of wet and dry seasons. Copper has been above trigger values on several occasions at Site 5 during this period, however this generally occurs when discharge is not occurring and is more reflective of water quality in the East Finnis River (see Site 1 and GS200 data).

8. CONCLUSIONS

Water quality monitoring has been undertaken in accordance with the requirements of WDL177-10. It is apparent that wet season water quality in the East Finnis River is generally worse than the discharge water quality at Site 5.

Site 5 generally complied with the discharge trigger requirements during period of discharge. During discharge periods, there were a no exceedances of the 3 x Trigger Levels or the Hardness Modified Trigger Levels.

The water quality management, monitoring and reporting framework is working well and NTR does not recommend any change to the treatment/discharge system or WDL177-10 at this stage.

9. REFERENCES

ANZECC & ARMCANZ 2000. Australian and New Zealand guidelines for fresh and marine water quality. National Water Quality Management Strategy Paper No 4, Australian and New Zealand Environment and Conservation Council & Agriculture and Resource Management Council of Australia and New Zealand, Canberra.

Australian Standard AS 4482.1—2005. Guide to the investigation and sampling of sites with potentially contaminated soil Part 1: Non-volatile and semi-volatile compounds. Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

NHMRC, NRMMC (2011) Australian Drinking Water Guidelines Paper 6 National Water Quality Management Strategy. National Health and Medical Research Council, National Resource Management Ministerial Council, Commonwealth of Australia, Canberra.

Northern Territory Environmental Protection Authority 2016, Guideline for Reporting on Environmental Monitoring.

APPENDIX A – FIELD PARAMETERS FOR 1 JULY 2021 TO 1 MAY 2022 – 30 APRIL 2023

				Field						Inorganics
				Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
				oC	mg/L	mV	%	µS/cm	-	NTU
Field ID	Date	Time	Sample Comments							
Site1	5/05/2022	16:50:00	Colour= slight brown, Depth= 15cm, Flow= very low	31.5	2.84	206.2	49	991	6.57	12.6
Site1	19/05/2022	16:40:00	Colour= brownish, Depth= .25, Flow= min flow	32.3	2.26	211	40.1	2,216	5.26	9.1
Site1	28 Nov 2022	8:09:00	Colour = yellow tinge, Depth = .1, Flow = v slow	27.4	2.99	141	38.7	984	6.45	21.2
SITE1	24 Dec 2022	19:10:00	colour=brown, depth=0.75	26.8	2.99	205	38.6	164	7.52	65
Site1	26 Dec 2022	7:26:00	Colour = slight disc, Depth = .5, Flow = low,	28	2.75	192	35.2	435	6.71	44.7
SITE1	03 Jan 2023	7:59:00	colour=slightly disc, flow=med, depth=0.5	25.8	3.63	239	42.5	124	5.7	19.4
SITE1	09 Jan 2023	9:15:00	colour=clear, flow=med, depth=0.3	28.6	4.02	209	51	215	6.91	7.4
SITE1	19 Jan 2023	8:35:00	colour=slighty cloudy, flow=med, depth=0.2	28.53	7.86	116.2	102.8	198	6.48	13.2
SITE1	24 Jan 2023	8:27:00	colour= clear, flow=moderate, depth=0.2	28.1	8.06	185.8	105.5	158	6.8	0
SITE1	30 Jan 2023	9:03:00	colour= clear, flow=low, depth=0.2	27.9	7.93	156.6	102.4	165	6.47	19
SITE1	06 Feb 2023	9:15:00	colour= clear, flow=low, depth=0.2	29.4	7.72	149.2	102.4	141	7.37	0
SITE1	13 Feb 2023	8:52:00	colour= clear, flow=low, depth=0.3	27.2	7.9	194.6	101.2	122	7.2	0
SITE1	17 Feb 2023	13:17:00	colour= clear, flow=med, depth=0.3	32.4	4.49	157.6	63.4	285	7.45	10.6
Site1	23 Feb 2023	15:44:00	Colour= clear, Flow = good	27.3	3	284.8	55	133.7	8.12	9.8
SITE1	20 Feb 2023	8:17:00	colour= clear, flow=low, depth=0.2	28.48	7.73	72.6	100.8	189	7.03	0
SITE1	28 Feb 2023	8:15:00	colour=brown/grey, flow= good, depth=0.5	26	8.18	124.1	102.4	38	6.99	0
SITE1	06 Mar 2023	8:24:00	colour=brown, flow= ok, depth=0.3	26.2	3.39	219.9	43.9	144.7	7.22	5.8
SITE1	13 Mar 2023	8:34:00	colour= clear, flow= ok, depth=0.3	27.4	3.94	192.5	50.8	155.3	7.83	6
SITE1	20 Mar 2023	8:33:00	colour= clear, flow= low, depth=0.25	29	4.81	167	64.8	171	7.55	5.8
SITE1	27 Mar 2023	8:31:00	colour= clear, flow= med, depth=0.2	29.8	3.07	203	39.3	175	7.29	7.7
SITE1	03 Apr 2023	7:36:00	colour= clear, flow= low, depth= 0.2	28.2	2.96	201	37.5	280	7.03	8.3
SITE1	11 Apr 2023	9:42:00	colour= clear, flow= med, depth= 0.3	28.7	3.89	204	50.1	154	7.24	9.2
SITE1	17 Apr 2023	7:46:00	colour= clear, flow= med, depth= 0.25	23.9	3.69	193	43.8	138	7.7	9.5
SITE1	24 Apr 2023	8:02:00	colour= clear, flow= low, depth= 0.2	25.6	4.78	204	58	200	7.26	9.6

Site 1	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
	oC	mg/L	mV	%	µS/cm	-	NTU
Min	23.9	2.3	72.6	35.2	38.0	5.3	0.0
Max	32.4	8.2	284.8	105.5	2216.0	8.1	65.0
Average	28.1	4.8	184.5	63.3	332.4	7.0	12.2
StDev	2.0	2.1	43.7	26.8	467.0	0.6	14.7

				Field						Inorganics
				Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
				oC	mg/L	mV	%	µS/cm	-	NTU
Field ID	Date	Time	Sample Comments							
Site2	5/05/2022	15:10:00	Height =1.32, Colour =slightly grey	32	2.47	137.6	42.4	335	7.86	2.2
Site2	19/05/2022	15:30:00	Height =1.2, Colour = greyish,	32.6	3.5	197.4	47	532	7.78	6.4
Site2	30/05/2022	11:45:00	Height= 1.09, Colour= clean/clear	30.8	3.26	170.5	44.4	466	7.29	0.1
Site 2	13/06/2022	11:45:00	No flow, clear, algae, Height=0.15	24.7	4.92	158.2	59	900	7.09	3.2
Site2	30/06/2022	9:16:00	Height=0.79, green/clear, no flow	21.3	3.71	189.9	49.9	454	7.82	2.3
Site2	15/07/2022	11:07:00	Height =.79, Colour =clean, slightly green	22.1	4.52	173	58	449	6.99	-2.4
Site2	15/08/2022	10:50:00	Height =.73, Colour =clear,	28.8	4.5	125.7	56.3	477	6.97	4.5
Site2	5/09/2022	13:22:00	Height =.68, Colour =clear,	30.1	2.67	106	40.9	516	7.6	19.4
Site2	15/09/2022	10:40:00	Height =.57, Colour =clear,	30.9	3.21	149.1	44.4	519	7.01	1.8
Site2	26 Sep 2022	15:25:00	Height =.61, Colour =clear,	33.3	3	133	41.7	550	7.99	4.2
Site2	15 Oct 2022	7:20:00	Height =.54, Colour =clear,	30.7	3.14	101.7	32.6	541	8.36	2.5
Site2	01 Nov 2022	10:42:00	Height =.48, Colour =clear,	34.2	2	224.1	35	607	7.37	4.2
Site2	07 Nov 2022	8:13:00	Height =.5, Colour =clear,	29.8	3.47	156	44.8	1,233	7.99	6.6
Site2	15 Nov 2022	11:03:00	Height =.47, Colour =clear,	30.9	2.54	199	34	648	7.74	3.2
Site2	22 Nov 2022	9:00:00	Height =.53, Colour =clear,	32.5	3.03	107	41.2	686	8.19	7.1
Site5	22 Nov 2022	8:13:00	Colour = clear, Depth = .2, Flow = v slow	25.9	2.06	138	25.8	571	7.38	3.7
Site2	28 Nov 2022	7:43:00	Height =.85, Colour =clear,	30.4	2.42	182	31.2	570	7.81	4.8
Site2	05 Dec 2022	10:10:00	Height =.94, Colour =clear,	32	2.39	212	31.9	622	7.93	7.6
Site2	12 Dec 2022	8:36:00	Height =.9, Colour =clear,	32.7	2.42	154	33.1	667	7.84	12.7
Site2	19 Dec 2022	11:53:00	Height =.89, Colour =clear,	33.8	6.46	127.1	95.1	407	7.44	8.6
SITE2	24 Dec 2022	20:10:00	colour=clear	27.9	2.77	182	35.8	489	7.34	13.4
Site2	26 Dec 2022	8:36:00	Height =1.04, Colour =clear,	29.9	2.42	156	31.4	490	7.62	11.7
SITE2	03 Jan 2023	9:07:00	dam gauge ht = 0.56, colour =slightly disc	26.5	3.34	170	42.4	272	7.04	16.6
SITE2	09 Jan 2023	10:15:00	dam gauge ht = 0.25, colour =	30.8	4.36	160	60	300	7.86	9.4
SITE2	19 Jan 2023	11:03:00	dam gauge ht = 0.28, colour =brown	28.98	7.22	132.9	96.1	2	7	22.3
SITE2	24 Jan 2023	9:27:00	dam gauge ht = 0.25, colour =brown	29.5	7.39	100.6	99	210	7.25	0
SITE2	30 Jan 2023	10:11:00	dam gauge ht = 0.25, colour =brown	30.6	6.57	111.8	89.3	358	7.24	5.3
SITE2	06 Feb 2023	8:34:00	dam gauge ht = 0.2, colour =grey	30.1	6.86	121.2	92.5	334	7.26	0
SITE2	13 Feb 2023	9:43:00	dam gauge ht = 0.9, colour =grey	30	7.2	150.2	96.9	353	7.31	2.8
SITE2	17 Feb 2023	8:05:00	dam gauge ht = 1.19, colour =clear (green)	30.5	2.93	195.8	50.9	436	8.17	4.5
SITE2	20 Feb 2023	9:11:00	dam gauge ht = 1.4, colour =grey	31.4	6.85	74	94	345	7.13	0
SITE2	28 Feb 2023	9:15:00	dam gauge ht = 1.1, colour = brown	27.9	7.53	134	97.6	302	7.29	0
SITE2	06 Mar 2023	9:27:00	dam gauge ht = .3, colour = brown	27.7	3.02	183.8	39.9	265	8.07	4.4
SITE2	13 Mar 2023	9:53:00	dam gauge ht = .25, colour = brown	31.1	3.71	137.7	50.7	253	7.68	3.1
SITE2	20 Mar 2023	9:31:00	dam gauge ht = .22, colour = clear	31.7	3.52	146	47.9	308	7.69	3.1
SITE2	27 Mar 2023	9:49:00	dam gauge ht = .24, colour = clear	32.1	3.21	159	43.8	311	7.53	4.7
SITE2	03 Apr 2023	8:52:00	dam gauge ht = .27, colour = clear	32.1	2.9	145	39	338	7.57	3.6
SITE2	11 Apr 2023	10:57:00	dam gauge ht = .9, colour = clear	31.5	3.84	126	51.4	331	7.5	6
SITE2	17 Apr 2023	8:41:00	dam gauge ht = .26, colour = clear	27.4	3.51	129	44.1	316	7.8	3.2
SITE2	24 Apr 2023	9:02:00	dam gauge ht = .22, colour = clear	27.8	3.67	143	46.8	341	7.84	4.2

Site 2	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
	oC	mg/L	mV	%	µS/cm	-	NTU
Min	21.3	2.0	74.0	25.8	2.0	7.0	-2.4
Max	34.2	7.5	224.1	99.0	1233.0	8.4	22.3
Average	29.9	4.0	150.0	53.5	452.6	7.6	5.5
StDev	2.8	1.7	33.1	22.5	205.1	0.4	5.4

				Field							Inorganics
				Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)		Turbidity (Lab)
				oC	mg/L	mV	%	µS/cm	-		NTU
Field ID	**Date**	**Time**	**Sample Comments**								
Site4	5/05/2022	15:20:00	Colour= slightly brown, Depth= 200mm, Flow= very l	31.8	2.36	182	40.9	25.7	7.32		2.5
SITE4	24 Dec 2022	19:41:00	colour=dirty, depth=0.1	27.2	2.25	205	28.5	44.7	6.37		48.4
Site4	26 Dec 2022	8:50:00	Colour = slight disc, Depth = .20, Flow = low	28.4	2.06	195	26.7	61.7	6.55		37.1
Site4	03 Jan 2023	9:23:00	Colour=clear, Flow= med, Depth= .150	26.5	3.32	180	41.7	24	6.66		8.7
Site4	04 Jan 2023	4:55:00	Colour=clear, Clarity = clear, Flow= med, Depth= .2	28.2	2.91	217	37.9	30.5	6.7		5.8
Site4	05 Jan 2023	6:50:00	Colour=clear, Flow= med, Depth= .2	25.7	2.72	230	34.6	33.6	6.51		5.5
Site4	06 Jan 2023	7:04:00	Colour=clear, Flow= med, Depth= .2	26	3.29	226	40.1	44.6	6.77		4.4
Site4	07 Jan 2023	9:46:00	Colour=clear, Flow= med, Depth= .2	28.6	3.32	140.8	42.9	44	6.73		6.5
Site4	08 Jan 2023	9:24:00	Colour=, Flow= , Depth=	28.7	2.21	140	32.3	41	6.81		8.4
Site4	09 Jan 2023	10:27:00	Colour = clear, flow = medium, depth = 0.15	29.6	3.34	173	44.1	20.8	7.03		6.3
Site4	10 Jan 2023	6:45:00	Colour = clear, flow = medium, depth = 0.150	26.1	3.22	197	39.5	24.4	5.93		8.2
Site4	11 Jan 2023	6:42:00	Colour = clear, flow = medium, depth = 0.150	26.6	2.72	256	34.4	35	6.29		7.1
Site4	12 Jan 2023	6:40:00	Colour = clear, Clarity = clear, flow = low, depth = 0.1	26.5	2.57	201.3	32.3	72.3	6.11		6
Site4	13 Jan 2023	7:31:00	Colour = clear, Clarity = good, flow = med, depth = 0.	26.6	2.29	234.4	27.3	95.7	6.01		8.5
Site4	14 Jan 2023	7:15:00	Colour = clean, Clarity =clear, flow = med, depth = 0.	27.1	1.92	228.5	31.5	24.6	6.3		5.9
Site4	15 Jan 2023	12:30:00	Colour = clear, Clarity =clean, flow = med, depth = 0.	32.1	3.22	231.3	44.6	23.71	6.35		4.8
Site4	16 Jan 2023	7:25:00	Colour = clear, Clarity =clean, flow = med, depth = 0.	27.5	2.26	244.7	29.1	22.65	6.6		3.4
Site4	17 Jan 2023	7:15:00	Colour = clear, Clarity =clean, flow = med, depth = 0.	26.6	2.32	222.1	28.7	40.3	6.28		2.7
Site4	18 Jan 2023	6:39:00	Colour = clear, flow = low - medium, depth = 0.1	27	2.49	255	31	39	6.09		3.3
Site4	19 Jan 2023	6:53:00	Colour = clear, flow = low - medium, depth = 0.1	26	2.7	281	33.6	35.1	6.13		2.9
Site4	20 Jan 2023	7:32:00	Colour = clear, Clarity = clear, flow = low-med , depth	26.3	3.31	280	42.3	20.63	6.55		2.7
Site4	21 Jan 2023	11:38:00	Colour = clear, Clarity = clear, flow = low , depth = .1	31.7	3.9	192.2	53.7	18.7	6.9		2.4
Site4	22 Jan 2023	8:35:00	Colour = clear, Clarity = good, flow = good , depth = .	27.4	3.43	200	44.5	23.9	6.95		6.4
Site4	23 Jan 2023	7:25:00	Colour = clear, flow = low - medium, depth = 0.1	27.7	2.86	273	35.8	74.3	6.36		5.7
Site4	24 Jan 2023	6:52:00	Colour = clear, flow = low - medium, depth = 0.1	26.8	2.76	246	34.7	86.3	6.17		3.5
Site4	25 Jan 2023	7:09:00	Colour = clear, flow = medium, depth = 0.1	27.8	3.54	170	44.3	45.7	6.16		5.1
Site4	26 Jan 2023	8:01:00	Colour = clear, Clarity = good, flow = medium, depth	28	2.74	206.3	34.4	27	6.4		6.3
Site4	27 Jan 2023	7:24:00	Colour = transparent, Clarity = clear, flow = good-fas	27.6	2.81	218.1	35.5	32.1	6.38		7
Site4	28 Jan 2023	10:48:00	Colour = clear, Clarity = crystal, flow = medium, dept	31.1	3.74	186.8	49.7	45.5	6.31		4.7
Site4	29 Jan 2023	10:05:00	Colour = crystal, Clarity = clear, flow = good-medium,	28.2	3.36	329	42.6	58.9	6.87		9.6
Site4	30 Jan 2023	7:35:00	Colour = clear, flow = low-medium, depth = 0.1	27.7	3.07	244	38.3	42.1	6.88		5
Site4	31 Jan 2023	7:13:00	Colour = clear, flow = low-medium, depth = 0.1	29	2.59	234	32.3	45.2	7.44		4.8
SITE4	03 Jan 2023	9:23:00	colour=clear, flow=med, depth=0.15	26.5	3.32	180	41.7	24	6.66		8.7
Site4	01 Feb 2023	7:04:00	Colour=clear, Flow= low - med, Depth= .1	29.3	2.42	232	30.6	136	7.19		3.6
Site4	02 Feb 2023	7:00:00	Colour=clear, Flow= low - med, Depth= .1	29.4	2.5	242	31.5	58.2	7.35		3.7
Site4	03 Feb 2023	7:29:00	Colour = clear, Clarity = clear, Flow= low - med, Dept	28.8	2.67	157.2	34.8	28.7	7.33		4
Site4	04 Feb 2023	7:17:00	Colour = clear, Clarity = clear, Flow= low, Depth= .1	28.3	2.34	177.1	29.9	27.15	7.37		2.5
Site4	05 Feb 2023	7:42:00	Colour = clear, Clarity = clear, Flow= low - med, Dept	28	2.52	189.6	32.4	27.9	7.29		2
Site4	06 Feb 2023	7:19:00	Colour = clear, Clarity = clear, Flow= low, Depth= .1	28.2	2.38	179.3	30.1	27.16	7.32		2.3
Site4	07 Feb 2023	11:25:00	Colour = clear, Clarity = clear, Flow= good, Depth= .1	29.5	3.17	132.9	54.6	40.4	7.24		4.3
Site4	08 Feb 2023	9:13:00	Colour = clear, Clarity = clear, Flow= good, Depth= .1	27	2.94	156.7	39	135.4	7.06		3.9
Site4	09 Feb 2023	8:42:00	Colour = clear, Clarity = good, Flow= steady, Depth=	26.3	2	282	25.2	23.7	6.43		4.2
Site4	10 Feb 2023	8:13:00	Colour = clear, Clarity = clear, Flow= good, Depth= .1	24.8	1.63	155.4	27.6	57.7	7.08		3.6
Site4	11 Feb 2023	14:26:00	Colour = dirty, Clarity = cloudy, Flow= good, Depth= .	25.8	3.09	232.2	39.7	29.5	7.26		27.5
Site4	12 Feb 2023	13:52:00	Colour = brown - clear, Clarity = clear, Flow= good, D	28.1	3.96	155.7	10.5	45.9	8.14		7.1
Site4	13 Feb 2023	9:57:00	Colour = clear, Clarity = clear, Flow= ok, Depth= .35	28.4	8.09	190.3	105.8	23	7.49		0.4
Site4	14 Feb 2023	12:28:00	Colour = clear, Clarity = clear, Flow= good, Depth= .3	30.8	3.97	135	11.4	50.6	6.84		4
Site4	15 Feb 2023	9:49:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .	27.3	3.5	213.6	57.2	69.1	7.05		3.5
Site4	16 Feb 2023	8:00:00	Colour = clear, Clarity = good, Flow= steady, Depth=	26	2.29	233	36.7	59.4	6.99		8.5
Site4	17 Feb 2023	14:42:00	Colour = clear, Clarity = good, Flow= med, Depth= .15	32.8	3.85	176.6	54.1	22.69	7.48		8.1
SITE4	20 Feb 2023	9:24:00	colour= clear, flow= low, depth= 0.3	28.6	7.97	97.3	104.2	23	7.22		0
Site4	23 Feb 2023	14:48:00	Colour=clear, Flow = good,	27.3	2.71	361.1	44.1	30.3	7.34		5.5
Site4	24 Feb 2023	8:25:00	Colour = clear, Clarity = good, Flow= fast, Depth= .4	23.7	3.11	245.7	38.3	28.5	6.49		26.5
Site4	25 Feb 2023	8:03:00	Colour = clear, Clarity = clear, Flow= strong, Depth= .	24.7	3.3	201.5	44	87.3	6.71		11.8
Site4	26 Feb 2023	7:55:00	Colour = clear, Clarity = clear, Flow= fast, Depth= .3	24	3.3	113.9	40.8	106.8	6.82		13.8
Site4	26 Feb 2023	14:51:00	Colour = clear, Clarity = clear, Flow= fast, Depth= .3	26.7	3.25	110.2	42.3	85.6	6.9		11.3
Site4	27 Feb 2023	12:17:00	Colour = clear, Clarity = clear, Flow= good Depth= .3	25.8	2.67	149.2	7	43.8	6.93		5.3
Site4	28 Feb 2023	9:28:00	Colour = clear, Clarity = clear, Flow= good Depth= .3	27.36	7.91	157.2	101.67	23	7.52		0
Site4	01 Mar 2023	1:29:00	Colour= crystal, Clarity = clear, good, Depth= .3	27.7	3.77	177.2	10.4	37.6	7.11		4
Site4	02 Mar 2023	11:52:00	Colour= crystal, Clarity = clear, good, Depth= .3	27.6	3.44	183.1	9.2	62.2	7.01		3.3
Site4	03 Mar 2023	19:25:00	Colour = clear, Clarity = clean, Flow= good, Depth= .1	24.5	2.97	140	36.8	18.97	7.3		5
Site4	04 Mar 2023	7:05:00	Colour = clean, Clarity = clear, Flow= good, Depth= .1	24.5	2.81	336.3	35.2	20.21	6.66		5.2
Site4	05 Mar 2023	8:41:00	Colour = clear, Clarity = clear, Flow= good, Depth= .1	26	2.66	233	34.2	19.99	8.08		4.4

Site4	06 Mar 2023	14:15:00	Colour = brown, Clarity = dirty, Flow= fast, Depth= .5	24.7	3.7	209.4	44.2	8.5	7.06	19.9
Site4	07 Mar 2023	10:42:00	Colour = clear, Clarity = clear, Flow= med, Depth= .2	24.9	3.69	206.1	41.5	9.21	7.16	19.8
Site4	08 Mar 2023	7:07:00	Colour = clear, Clarity = clear, Flow= low - med, Dept	26.3	2.96	82.9	39.1	33.7	7.02	5.3
Site4	09 Mar 2023	7:23:00	Colour = clear, Clarity = clear, Flow= med, Depth= .2	25.9	2.87	84.2	40.1	31.4	7.04	5.1
Site4	10 Mar 2023	7:06:00	Colour = clear, Clarity = clear, Flow= low - med, Dept	25.4	3.86	67.6	48.3	24.4	7.6	1.4
Site4	11 Mar 2023	8:30:00	Colour = clear, Clarity = clear, Flow =steady, depth =	25.8	3.52	156	44.5	22	7.57	1.7
Site4	12 Mar 2023	6:55:00	Colour = clear, Clarity = clear, Flow =steady, depth =	24.7	3.57	199.8	44.1	19	6.59	0.9
Site4	13 Mar 2023	9:30:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .	28	3.8	148.4	53.4	18.94	7.1	1.7
Site4	14 Mar 2023	7:40:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .	27.9	2.77	148.6	35.9	17.2	7.11	2.4
Site4	15 Mar 2023	14:12:00	Colour = crystal, Clarity = clear, Flow= good, Depth=	33.5	4.32	182.3	12.5	79	7.65	2.4
Site4	16 Mar 2023	14:21:00	Colour = clear, Clarity = crystal, Flow= good, Depth= .	36.3	4.17	168.5	12.6	480	7.57	3.3
Site4	17 Mar 2023	13:51:00	Colour = crystal, Clarity = clear, Flow= good, Depth= .	35.7	4.11	196.5	12.7	380	7.37	3.6
Site4	18 Mar 2023	9:36:00	Colour = crystal, Clarity = clear, Flow= good, Depth= .	29.1	4.24	196.5	11.9	77.2	7.11	3.4
Site4	19 Mar 2023	8:05:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .	27.5	3.28	179.5	40	17.45	7.01	3.2
Site4	21 Mar 2023	8:40:00	Colour = clear, , Flow= steady, Depth= .1	27.2	3.3	200	40.7	20.07	7.19	4.1
Site4	22 Mar 2023	8:00:00	Colour = clear, Flow= steady, Depth= .1	26.2	3.05	178	38.1	20.6	6.99	3.1
Site4	23 Mar 2023	9:08:00	Colour = clear, Clarity = clear, Flow= low-med, Depth	27.3	3.14	210.1	40.8	43.8	7.25	2.5
Site4	24 Mar 2023	7:25:00	Colour = clear, Clarity = clear, Flow= low-med, Depth	26.2	3.01	209.5	38.1	28.6	7.22	1.8
Site4	25 Mar 2023	7:07:00	Colour = clear, Clarity = clear, Flow= low-med, Depth	27	2.76	223.5	34.8	79.9	7.22	3.2
Site4	26 Mar 2023	7:30:00	Colour = clear, Clarity = clear, Flow= low-med, Depth	27.2	2.9	210.6	35.4	312.8	7.12	6.2
Site4	28 Mar 2023	6:42:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .	27.1	2.46	239.2	31	23.49	7.22	4.7
Site4	29 Mar 2023	6:15:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .	26.7	3.37	230	39	27.2	7.49	3.6
Site4	30 Mar 2023	9:05:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .	27.9	3.62	184.1	46.1	19.5	6.71	3.2
Site4	31 Mar 2023	10:53:00	Colour=crystal, Clarity=clear, Flow=fair, Depth=0.15	30.2	4.65	202.2	12.4	43.2	7.66	4.4

Site4	01 Apr 2023	8:56:00	Colour= crystal, Clarity = clear, flow= fair- good, Dept	27.6	3.42	201	8.8	136.8	7.05	5.6
Site4	02 Apr 2023	8:59:00	Colour= crystal, clean, Clarity = clear, flow= fair, Dep	27.9	2.74	205.7	7	88.3	6.68	4.3
Site4	03 Apr 2023	9:06:00	Colour = crystal, Clarity = clear, Flow= fair, Depth= .1	28.7	4.02	181	51.2	27.3	7.27	4.4
Site4	04 Apr 2023	8:25:00	Colour = clear, Clarity = clean, Flow= good, Depth= .0	26.6	3.19	211.2	40.1	32.2	7.38	6.4
Site4	05 Apr 2023	8:30:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .	26.6	3.49	192.5	41.9	24.2	6.89	4.3
Site4	06 Apr 2023	7:35:00	Colour = clear, Clarity = clean, Flow= good, Depth= .0	25.9	2.9	196.4	35.5	26.5	6.47	5.4
Site4	07 Apr 2023	7:45:00	Colour = clear, Clarity = clean, Flow= good, Depth= .0	25.9	3.05	194.9	40.1	29.2	6.8	5.1
Site4	08 Apr 2023	9:24:00	Colour = clear, Clarity = clear, Flow= low - med, Dept	26.6	4.42	209.3	53.9	25.03	6.56	2.5
Site4	09 Apr 2023	10:13:00	Colour = clear, Clarity = clear, Flow=low- med, Depth	27.2	4.38	203.8	50.1	27.2	6.61	2.9
Site4	10 Apr 2023	7:23:00	Colour = slightly brownish, Clarity = clear, Flow= low	26.3	3.31	220.5	40.4	36.3	6.88	5
Site4	11 Apr 2023	8:15:00	Colour = clear, Clarity = clear, Flow low-med, depth =	26.3	30.2	200	37.3	22.9	7.21	6.3
Site4	12 Apr 2023	7:40:00	Colour = clear, Clarity = clear, Flow =steady, depth =	26.4	2.4	234.2	30.6	131.8	5.8	5
Site4	13 Apr 2023	8:00:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .	26.8	2.37	192	29.4	22.44	7.47	4.5
Site4	14 Apr 2023	8:15:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .	26.7	3.96	219.1	35.4	27.9	6.12	6.9
Site4	15 Apr 2023	7:40:00	Colour = clear, Clarity = clear, Flow=steady, Depth= .1	26.5	3	191.4	36	23.48	7.34	4.5
Site4	16 Apr 2023	8:59:00	Colour = crystal, Clarity = clear, Flow= good, Depth= .	27.1	3.08	193.3	7.9	106.6	6.12	5.6
Site4	17 Apr 2023	8:55:00	Colour = crystal, Clarity = clear, Flow= good, Depth= .	24.6	3.84	159	46.2	26.6	7.64	5.2
Site4	18 Apr 2023	9:01:00	Colour = crystal, Clarity = clear, Flow= good, Depth= .	23.5	4.46	247.2	10.6	74.7	7.48	5
Site4	19 Apr 2023	13:30:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .	29.9	6.15	211	85	18.03	8.15	5.1
Site4	20 Apr 2023	7:00:00	Colour = clear, clarity = clean, Flow=good, Depth= .05	23.5	3.04	280.8	35.9	21.2	7.29	4.2
Site4	21 Apr 2023	7:20:00	Colour = clear, clarity = clean, Flow= good, Depth= .0	24.5	5.99	269.5	67.1	21.02	7.25	3.8
Site4	22 Apr 2023	7:40:00	Colour = clear, Clarity = clear, Flow= steady, Depth=	24.8	4.88	179.8	67	20.65	7.65	4.1
Site4	23 Apr 2023	8:45:00	Colour = clear, Clarity = clean, Flow= good, Depth= .0	24.6	5.02	196	40.2	22.04	6.73	3.8
Site4	25 Apr 2023	9:26:00	Colour = crystal, Clarity = clear, Flow= ave-good, Dep	26.6	4.39	262.9	53.1	51.5	7.75	7.2
Site4	26 Apr 2023	8:15:00	Colour = clear, Clarity = clear, Flow= steady, Depth =	26.3	3.9	249.6	50.4	20.64	8.18	6.4
Site4	27 Apr 2023	7:27:00	Colour = crystal, Clarity = clear, Flow= ave-good, Dep	26	3.16	268	37.6	33.2	7.34	7.9
Site4	28 Apr 2023	8:10:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .	26.5	3.1	218.5	42	20.66	6.55	6.9
Site4	29 Apr 2023	7:50:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .	25.4	3.26	251.4	38	20.86	6.83	5.7
Site4	30 Apr 2023	6:55:00	Colour = clear, Clarity = clear, Flow= slow, Depth= .1	24.9	3.44	246.1	36.4	23.57	7.37	5.8

Site 4	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
	oC	mg/L	mV	%	µS/cm	-	NTU
Min	23.5	1.6	67.6	7.0	8.5	5.8	0.0
Max	36.3	30.2	361.1	105.8	480.0	8.2	48.4
Average	27.3	3.6	203.0	38.1	49.8	7.0	6.1
StDev	2.2	2.7	48.3	16.8	63.3	0.5	6.4

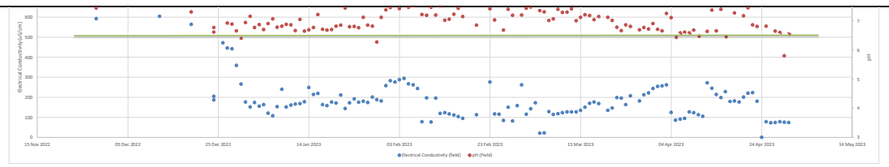
During discharge
Immediately before discharge

				Field							Inorganics
				Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (Field)	pH (Field)		Turbidity (Lab)
				°C	mg/L	mV	%	µS/cm	-		NTU
WDL177-10 Trigger Values								700	6.5-8.5		

Field ID	Date	Time	Sample Comments	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (Field)	pH (Field)		Turbidity (Lab)
Site5	1/05/2022	14:50:00	Colour=slightly brown, Depth= 200mm, Flow=low	28.3	2.44	152.4	39.4	464	7.43		3.1
Site5	19/05/2022	15:20:00	Colour=slightly brown, Depth= .2, Flow=minimum	27.8	2.32	158.7	37.6	494	7.55		3.8
Site5	30/05/2022	11:26:00	Colour =clear, Depth= .18, Flow= min	27.8	2.97	219	47.7	839	6.4		3.3
Site5	28 Nov 2022	7:16:00	Colour = clear, Depth = .2, Flow = low	25.5	1.84	183	22.8	593	7.44		2.9
Site5	05 Dec 2022	9:50:00	Colour = clear, Depth = .2, Flow = slow	26.9	2.6	151	33.3	715	7.59		4.5
Site5	12 Dec 2022	6:00:00	Colour = clear, Depth = .2, Flow = VERY slow	27.1	2.11	164	27.2	604	7.6		3.7
Site5	19 Dec 2022	11.25:00	Colour = clear, Depth = .15, Flow = slow	30.03	6.19	147.3	83.8	564	7.31		4.6
Site5	24 Dec 2022	18:20:00	Colour= clear, Depth= .37,	26.8	1.44	187	18.1	187	6.61		24
Site5	24 Dec 2022	19:36:00	Colour= dirty, Depth= .46,	26.7	1.72	184	22.1	206	6.77		26.7
Site5	24 Dec 2022	8:00:00	Colour = clear, Depth = .51, Flow = med	28.9	3.07	156	37.2	472	7.64		6.1
Site5	27 Dec 2022	8:55:00	Colour = clear, Clarity=good, Depth = 0.54m, Flow= fast	28.7	1.47	193.7	22.4	446	6.92		7.8
Site5	28 Dec 2022	9:35:00	Colour = cloudy, Clarity= average-poor, Depth = 0.58m, Flow= good-fast	32	2.24	196.7	21.7	442	6.89		8.1
Site5	29 Dec 2022	7:40:00	colour= light brown, clarity = clear, depth=0.76	26.3	2.8	222.9	30.1	360	6.66		26.7
Site5	30 Dec 2022	7:25:00	colour= light green, clarity=clear, depth=0.8	25.6	3.2	288.5	38.2	266	6.42		17.5
Site5	31 Dec 2022	9:00:00	colour=light green, clarity=clear, depth=1.1	24.5	3.18	224.6	37	177	6.94		24.9
Site5	01 Jan 2023	7:15:00	Colour = clear, flow = high, depth = 0.65	25.5	2.29	210	36.9	152	7.16		12.5
Site5	02 Jan 2023	7:13:00	Colour=clear,Clarity = clear, Flow= high, Depth= 1.62	25.9	2.67	196.7	38.3	174.7	6.77		10
Site5	03 Jan 2023	8:40:00	Colour = clear, flow = high, depth = 0.6	25.9	2.27	170	22.9	156	6.87		8.2
Site5	04 Jan 2023	6:39:00	Colour = slightly cloudy, flow = strong, depth = 0.58	27.5	2.31	227	29.7	163.4	6.7		5.9
Site5	05 Jan 2023	7:20:00	Colour = clear, flow = medium, depth = 0.5	26.1	1.77	181.9	22.3	121.2	6.91		4.5
Site5	06 Jan 2023	7:15:00	Colour = clear, flow = medium, depth = 0.56	26.2	2.29	231	28.3	108	7.07		7.1
Site5	07 Jan 2023	10:06:00	Colour = clear, flow = medium, depth = 0.51	27.5	2.36	121.2	30.6	153.6	6.78		4.2
Site5	08 Jan 2023	9:42:00	Colour = clear, flow = medium, depth = 0.52	27.9	2.32	139.9	30.2	241	6.82		5.1
Site5	09 Jan 2023	8:38:00	Colour = clear, flow = medium, depth = 0.46	27.5	1.72	186	22.3	152	6.88		4.8
Site5	10 Jan 2023	6:57:00	Colour = clear, flow = medium, depth = 0.45	27.1	1.96	162	25	161	6.86		6
Site5	11 Jan 2023	6:54:00	Colour = clear, flow = medium, depth = 0.44	27	1.92	199	24.6	166	6.67		6.1
Site5	12 Jan 2023	6:56:00	Colour = clear, flow = good, depth = 0.42	27.6	1.72	302.5	25.9	168.7	7.05		5.8
Site5	13 Jan 2023	7:51:00	Colour = clear, Clarity = good, flow = med - fast, depth = 0.46	27.9	1.69	219.6	21.8	178.5	6.65		5
Site5	14 Jan 2023	7:00:00	Colour = clean, Clarity = clear, flow = med , depth = 0.45	28.3	1.81	28.3	24.2	250	6.69		4
Site5	15 Jan 2023	12:15:00	Colour = clear, Clarity = clean, flow = med , depth = 1.62	30.1	2.11	234.5	35.2	214	6.77		8.2
Site5	16 Jan 2023	7:10:00	Colour = clear, Clarity =clean, flow = med, depth = 0.56	28.2	1.61	217.5	21.4	220	7.22		3.4
Site5	17 Jan 2023	7:25:00	Colour = clear, Clarity =clean, flow = med, depth = 0.47	27.6	1.82	205	23.2	164	6.71		2.1
Site5	18 Jan 2023	6:55:00	Colour = clear, flow = medium, depth = 0.46	27.9	1.72	208	22.3	159	6.68		2
Site5	19 Jan 2023	7:08:00	Colour = clear, flow = low - medium, depth = 0.46	27.5	2	249	26.3	172	6.7		2.2
Site5	20 Jan 2023	7:11:00	Colour = clear, Clarity = clear, flow = low-med , depth = 1.48	26.9	3.55	243.1	42.8	172	6.82		2.4
Site5	21 Jan 2023	11:15:00	Colour = clear, Clarity = clear, flow = low-med , depth = .47	28.8	3.47	194.4	45.9	211.3	6.85		1.9
Site5	22 Jan 2023	8:15:00	Colour = clear, Clarity = good, flow = good , depth = .53	27.1	2.26	182.9	28.5	144.8	7.44		10.7
Site5	23 Jan 2023	7:39:00	Colour = clear, flow = medium, depth = 0.48	28.7	1.92	203	25.2	173.6	6.8		4.4
Site5	24 Jan 2023	7:39:00	Colour = clear, flow = medium, depth = 0.46	27.9	1.68	200	21.4	193	6.81		2.9
Site5	25 Jan 2023	7:24:00	Colour = clear, flow = medium, depth = 0.46	28.8	2.29	169	29	176	6.76		4.3
Site5	26 Jan 2023	8:22:00	Colour = murky, Clarity = poor, flow = fair - good, depth = 0.46	29.1	251	160.3	32.2	180.7	7.12		5.6
Site5	27 Jan 2023	7:44:00	Colour = murky, flow = medium - fast, depth = 0.45	28.6	2.21	157.9	28.2	174.6	6.85		5.6
Site5	28 Jan 2023	11:04:00	Colour = clear, Clarity = crystal, flow = good , depth = .46	31.5	2.22	129.3	37.9	201.1	6.82		3.1
Site5	29 Jan 2023	10:27:00	Colour = clear, Clarity = good, flow = med-fast, depth = .47	29	2.29	360.7	29.5	188.8	6.27		6.1
Site5	30 Jan 2023	7:46:00	Colour = clear, flow = medium, depth = 0.46	28.5	2.3	213	29.2	182	7.12		3.9
Site5	31 Jan 2023	7:24:00	Colour = clear, flow = low/medium, depth = 0.46	30.2	1.95	184	25	258	7.38		2.6
Site5	01 Feb 2023	7:18:00	Colour = clear, flow = low - med, depth = 0.46	30.9	1.93	207	25.2	283	7.46		2.4
Site5	02 Feb 2023	7:18:00	Colour = clear, depth = 0.46	30.9	1.66	176	21.7	276	7.79		2
Site5	03 Feb 2023	7:11:00	Colour = clear, Clarity = clear, Flow = med depth = 0.46	29.8	1.89	118.9	25.3	288.5	7.42		18.8
Site5	04 Feb 2023	7:01:00	Colour = clear, Clarity = clear, Flow = low - med depth = 0.45	30.1	2.39	149.7	27.4	295	7.73		0.7
Site5	05 Feb 2023	7:23:00	Colour = clear, Clarity = clear, Flow = low - med depth = 0.5	29.1	2.31	161.7	26.5	248	7.47		1.2
Site5	06 Feb 2023	7:03:00	Colour = clear, Clarity = clear, Flow = low - med, depth = 0.45	29.2	2.34	152.6	26.8	262.1	7.51		1.1
Site5	07 Feb 2023	10:55:00	Colour = clear, Clarity = clear, Flow = good, depth = 0.46	29	2.32	123.1	31	243.6	7.56		2.7
Site5	08 Feb 2023	9:28:00	Colour = clear, Clarity = clear, Flow = good, depth = 0.37	26.8	1.56	121.2	20.6	78.5	7.22		4.22
Site5	09 Feb 2023	8:25:00	Colour = clear, Clarity = good, Flow = steady, depth = 0.37	26.5	1.34	196.1	19.4	197.1	7.19		5
Site5	10 Feb 2023	8:34:00	Colour = clear, Clarity = clear, Flow = steady, depth = 0.35	25.3	0.79	141.8	13	77.5	7.47		4.3
Site5	11 Feb 2023	14:41:00	Colour = dirty, Clarity = cloudy, Flow =slow, depth = 0.41	25	1.65	263.9	20	196.4	7.2		27.1
Site5	12 Feb 2023	14:08:00	Colour = browny, Clarity = clear, Flow = good, depth = 0.38	26.3	1.91	115	8.3	119.4	7.5		6.9
Site5	13 Feb 2023	8:27:00	Colour = clear, Clarity = slight turbidity, Flow = ok, depth = 0.45	26.1	6.56	166	82.7	124	7.02		5.2
Site5	14 Feb 2023	12:42:00	Colour = clear, Clarity = clear, Flow = slow - good, depth = 0.37	28.2	2.53	104.6	8.5	116.8	7.06		4.2
Site5	15 Feb 2023	10:02:00	Colour = clear, Clarity = clear, Flow = steady, depth = 0.36	26.9	2.24	158.5	36.6	111.9	7.23		4
Site5	16 Feb 2023	8:18:00	Colour = clear, Clarity = good, Flow = steady, depth = 0.36	26.8	1.5	194.7	25.1	103.7	7.43		6
Site5	17 Feb 2023	11:46:00	Colour = clear, Clarity = clear, Flow = steady, depth = 0.329	34	3.3	136.2	45.7	95	7.15		7.8
Site5	20 Feb 2023	8:59:00	Colour= clear, flow= ok, depth= .32	28.1	5.63	114	73.1	114	6.85		0
Site5	23 Feb 2023	15:04:00	Colour=, Flow=	27.5	2.57	460.4	33.2	277	7.41		4.5
Site5	24 Feb 2023	8:42:00	Colour = dirty, Clarity = dirty, Flow = fast, depth = 0.9	23.9	2.97	429.1	36.5	117.7	7.03		39
Site5	25 Feb 2023	8:16:00	Colour = clear, Clarity = good, Flow= fast, Depth= .8	24.9	2.5	28	36.7	115.8	7.58		18.7
Site5	26 Feb 2023	8:07:00	Colour = clear, Clarity = clear, Flow= fast, Depth= .84	24.1	1.14	105.3	41.5	85.2	6.68		16
Site5	27 Feb 2023	12:34:00	Colour = brownish, Clarity = murky Flow= v good, Depth= .68	25.3	2.74	135	6.9	150.9	7.4		11.9
Site5	28 Feb 2023	8:46:00	Colour = murky, Clarity = dirty, Flow= good, Depth= .84	28.2	7.46	155.7	93.3	82	7.19		4.54
Site5	01 Mar 2023	1:46:00	Colour = slightly murky, Clarity = clear, flow = good, depth = 0.65	26.9	3.27	138.6	8.9	158.6	7.58		3.5
Site5	02 Mar 2023	9:09:00	Colour= crystal, Clarity = clear, good, Depth= .6	27	3.39	144.2	9.2	263	7.2		3.1
Site5	03 Mar 2023	19:05:00	Colour = gree - clear, Clarity = clear, flow =good, depth = 7.5	24.4	3.06	127.6	37.7	116.2	7.43		5.5
Site5	04 Mar 2023	6:55:00	Colour = clean, Clarity = clear, flow = good, depth = 0.7	24.9	2.57	209	32.8	141.5	7.48		4.4
Site5	05 Mar 2023	8:28:00	Colour = clear, Clarity = clear, Flow =good, depth = 0.6	26.3	2.14	225.3	27.4	173	8.35		3.8
Site5	06 Mar 2023	11:50:00	Colour = dirty, Clarity = dirty, Flow = fast, depth = above marker	24.7	3.7	205.9	43.6	21.11	7.35		41.3
Site5	07 Mar 2023	11:07:00	Colour = slightly dirty, Clarity = slightly dirty, Flow = high, depth = 0.84	24.6	3.51	203.8	39.6	22.41	7.31		42.1
Site5	08 Mar 2023	7:20:00	Colour = clear, Clarity = clear, Flow = med - high, depth = 1.63	26.8	3.16	65.4	38.8	128.6	7.01		3.3
Site5	09 Mar 2023	7:40:00	Colour = clear, Clarity = good, Flow = med, depth = 0.62	26.8	3.13	67.2	38.2	115.2	7.07		3.2
Site5	10 Mar 2023	7:22:00	Colour = clear, Clarity = clear, Flow = med, depth = 0.57	26.1	2.96	63.9	36.3	118.5	7.4		1.8
Site5	11 Mar 2023	8:10:00	Colour = clear, Clarity = clear, Flow =steady, depth = 055	26.5	2.84	157.2	34.1	124.1	7.29		1.6
Site5	12 Mar 2023	6:40:00	Colour = clear, Clarity = clear, Flow =steady, depth = 0.52	26.1	2.7	178	33.6	128	7.3		2.2
Site5	13 Mar 2023	9:00:00	Colour = clear, Clarity = clear, Flow = steady, depth = 0.5	27.2	3.8	153.4	48	127.7	7.41		1.4
Site5	14 Mar 2023	7:25:00	Colour = clear, Clarity = clear, Flow = steady, depth = 0.49	28.7	2.3	152.2	28.9	127	7		2.8
Site5	15 Mar 2023	14:24:00	Colour = crystal, Clarity = clear, Flow = gd, depth = 0.49	31.2	3.52	178.6	8.7	135.6	7.12		2.7
Site5	16 Mar 2023	14:36:00	Colour = crystal, Clarity = good, flow = good, depth = 0.47	32.7	3.49	160.8	10.1	150.3	7.21		3.3
Site5	17 Mar 2023	14:10:00	Colour = crystal, Clarity = clear, Flow = v good, depth = 0.47	33.1	3.07	190.2	8.9	170.7	7.18		3.1
Site5	18 Mar 2023	9:53:00	Colour = crystal, Clarity = clear, flow = good, depth = 0.48	30.2	2.39	162.7	6.5	176.5	7.04		3.8
Site5	19 Mar 2023	7:50:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .49	29.2	2.17	170.9	25.7	168.6	7.15		2.8
Site5	21 Mar 2023	8:20:00	Colour = clear, Flow= steady, Depth= .4	27.9	1.73	181.3	22.9	135	7.12		5.1
Site5	22 Mar 2023	7:45:00	Colour =clear, Flow= steady, Depth= .44	26.5	2.34	157	30.5	146.6	7.01		3.8
Site5	23 Mar 2023	9:20:00	Colour = clear, Clarity = clear, Flow= low-med, Depth= .46	28.2	3.15	168.7	40.1	198.7	6.78		1.8
Site5	24 Mar 2023	7:39:00	Colour = clear, Clarity = clear, Flow= med, Depth= .5	27.4	2.8	192.5	35.6	196.7	6.67		2.3
Site5	25 Mar 2023	7:21:00	Colour = cloudy, Clarity = milky, Flow= med, Depth= .62	27.8	2.41	189.9	30.4	164.2	6.86		18.3
Site5	26 Mar 2023	7:45:00	Colour = clear, Clarity = clear, Flow= low-med, Depth= .44	28.9	2.68	171.2	34.1	208.5	6.81		1.7
Site5	28 Mar 2023	6:59:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .4	28.7	2.08	183.2	26.8	182.4	6.69		4.6
Site5	29 Mar 2023	6:30:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .4	28.9	2.34	192.2	30	213.4	6.77		4.1
Site5	30 Mar 2023	8:50:00	Colour = clear, Clarity = clear, Flow=steady, Depth= .4	29.3	1.92	168.1	24.6	222	6.72		3.1
Site5	31 Mar 2023	11:10:00	Colour=crystal, Clarity = clean, Flow=good-fair, depth=0.41	30.8	2.62	196.5	7.5	244.8	6.91		5.4
Site5	01 Apr 2023	9:11:00	Colour = crystal, Clarity = clear, flow = good, depth = 0.42	29.7	2.36	163.8	6.4	254	6.71		3.5
Site5	02 Apr 2023	9:17:00	Colour= crystal, clean, Clarity = clear, good, Depth= .42	29.8	2.32	160.5	6.3	257	6.66		4.8
Site5	03 Apr 2023	8:42:00	Colour = crystal, Clarity = clear, flow =good, depth = .4	30.3	2.24	158	29.3	262	7.25		3.3
Site5	04 Apr 2023	8:10:00	Colour = clean, Clarity = clear, flow = good, depth = .31	27.1	2.27	199.4	27.7	125.1	7.11		5.5
Site5	05 Apr 2023	8:20:00	Colour = clear, Clarity = clear, Flow =steady, depth = 0.31	27	2.85	192.3	34.5	85.9	6.45		6.5
Site5	06 Apr 2023	7:20:00	Colour = clear, Clarity = clean, Flow = good, depth = .3	26.9	2.62	198.6	32.3	90.8	6.59		5.2
Site5	07 Apr 2023	7:30:00	Colour = clear, Clarity = clean, Flow = good, depth = 0.3	26.3	2.5	196.8	30.8	95.3	6.61		4.5
Site5	08 Apr 2023	9:38:00	Colour = clear, Clarity = clear, Flow = med, depth =.45	26.4	4.14	159	54	127.9	6.59		7.5
Site5	09 Apr 2023	10:25:00	Colour = clear, Clarity =good, Flow = low-med, depth = 0.41	27.3	4.17	154.2	52.6	124.3	6.68		5.8
Site5	10 Apr 2023	7:37:00	Colour = slightly brownish, Clarity = clear, Flow = low- med, depth = 0.43	26.4	3.03	178.4	38.2	112.9	6.49		5.7
Site5	11 Apr 2023	8:01:00	Colour = clear, Clarity = clear, Flow =low-med, depth = 0.48	26.2	2.66	192	32.7	106	7.56		8.2
Site5	12 Apr 2023	8:00:00	Colour = clear, Clarity = clear, Flow =steady, depth = 0.58	27.7	2.51	185.3	31.9	273	6.64		3.4
Site5	13 Apr 2023	7:40:00	Colour = clear, Clarity = clear, Flow = steady, depth = 0.6	28.2	2.94	185.3	43	246	7.37		4.5
Site5	14 Apr 2023	8:31:00	Colour = clear, Clarity = clear, Flow = steady, depth = 0.6	27.6	3.32	182	46.1	214.3	6.66		4.8
Site5	15 Apr 2023	7:20:00	Colour = clear, Clarity = clear, Flow = steady, depth = 0.51	27.4	3.6	158.3	49.4	198.4	7.4		4.8
Site5	16 Apr 2023	9:18:00	Colour = clear-murky, Clarity =clear-murky, Flow = v good, depth = 0.53	28.6	2.64	165.7	6.8	229.1	6.47		5.9
Site5	17 Apr 2023	8:15:00	Colour = crystal, Clarity = clear, Flow = good, depth = 0.5	25.3	3.29	177	40	180	7.63		4.9
Site5	18 Apr 2023	9:18:00	Colour = crystal, Clarity = clear, Flow = v good, depth = 0.48	24.1	3.22	252	7.9	181.5	7.27		4
Site5	19 Apr 2023	13:15:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .49	27	5.46	221.5	65.4	177.1	7.78		4.1
Site5	20 Apr 2023	6:50:00	Colour = clear, clarity = clean, Flow= good, Depth = .49	24.6	3.17	244.5	37.9	201.7	7.17		3.7
Site5	21 Apr 2023	7:05:00	Colour = clear, clarity = clean, Flow= good, Depth = .49	25.6	3.82	216.5	43.1	220.6	7.45		3.5
Site5	22 Apr 2023	7:20:00	Colour =clear, Clarity = clear, Flow= steady, Depth= .49	25.3	4.74	142.7	53.7	223.6	6.86		3.3
Site5	23 Apr 2023	8:30:00	Colour = clear, Clarity = clean, Flow= good, Depth= .45	26	3.4	146.6	39.3	182.2	6.81		3.5
SITE5	24 Apr 2023	8:34:00	Colour=clear, flow= low-med, depth= .42	24.9	3.42	172	41.4	162.8	7.05		5.4
Site5	25 Apr 2023	9:44:00	Colour = clear-murky, Clarity = slight brown, Flow= ave, Depth= .36	26.5	3.44	234.2	41.9	78.3	6.82		8.6
Site5	26 Apr 2023	7:50:00	Colour = clear, Clarity = clear, Flow=steady, Depth= .35	26.9	3.83	218.7	45.5	73	8.19		8.6
Site5	27 Apr 2023	7:46:00	Colour = clear, , Clarity = clear, Flow= ave, Depth= .33	26.4	2.46	269.5	30.3	74.5	6.65		8.3
Site5	28 Apr 2023	7:30:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .32	27.1	3.36	198.5	39.7	78.3	6.6		7.4
Site5	29 Apr 2023	7:30:00	Colour = clear, Clarity = clear, Flow= steady, Depth= .32	25.9	4.2	233	48.5	75.4	5.8		7.7
Site5	30 Apr 2023	7:15:00	Colour = clear, Clarity = clear, Flow=steady, Depth= .3	25.7	2.46	240.7	29.8	74.7	6.55		7.3

Site 5	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (Field)	pH (Field)	Turbidity (Lab)
	°C	mg/L	mV	%	µS/cm	-	NTU
Min	21.9	0.8	28.0	6.3	21.1	5.8	0.0
Max	275.0	251.0	460.4	93.3	839.0	8.4	42.1
Average	29.5	4.6	182.7	31.5	199.6	7.1	6.8
StDev	22.0	22.0	58.1	14.8	127.0	0.4	7.5

During discharge
Immediately before discharge



Field								Inorganics
Temperature (field)	DO (Field)	Redox Potential (field)	DO % Saturation (field)	Electrical Conductivity (field)	pH (Field)			Turbidity (Lab)
°C	mg/L	mV	%	µS/cm	-			NTU

APPENDIX B – LABORATORY RESULTS FOR 1 MAY 2022 – 30 APRIL 2023

| | | Inorganics | | | | | | | | | Metals | | | | | | | | |

		Inorganics									Metals																									
		Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	1	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
Field ID	**Date**																				Cu														
Site 1	**5/05/2022**	41	<10	<20	41	3.9	4.1	500	550	12	1.2	<0.05	0.0022	0.0019	45	<0.001	<0.001	0.79	0.72	0.54	0.14	2.5	<0.05	0.002	<0.001	110	2.3	2.1	0.66	0.6	2.4	25	7	1.1	0.98
Site1	**18/05/2022**	<20	<10	<20	<20	3.5	3.9	1,600	1,600	5.9	4	2.9	0.017	0.015	130	<0.001	<0.001	6.2	6.1	2.7	2.4	19	16	0.004	0.002	320	12	12	5.1	5	1.8	96	82	12	12
Site 1	**28 Nov 2022**	44	<10	<20	44	15	2.2	460	470	22	1.3	<0.05	0.0027	0.0025	45	<0.001	<0.001	1.1	1	0.47	0.16	3.6	0.17	0.004	<0.001	86	4.1	3.8	0.86	0.79	2.4	15	<5	1.7	1.5
SITE 1	**24 Dec 2022**	230	<10	<20	230	<1	1.9	55	59	32	1.1	0.05	<0.0002	<0.0002	5.1	<0.001	<0.001	0.066	0.065	0.1	0.047	1.1	0.07	0.004	<0.001	11	0.3	0.2	0.051	0.051	1.9	6	<5	0.041	0.036
SITE 1	**26 Dec 2022**	47	<10	<20	47	2.1	2.6	200	170	19	1.3	0.05	0.0007	0.0007	13	<0.001	<0.001	0.22	0.21	0.29	0.15	0.97	0.08	0.003	<0.001	34	0.9	0.8	0.17	0.16	2.3	12	5	0.24	0.24
SITE1	**03 Jan 2023**	68	<10	<20	68	<1	2.2	42	42	21	1.7	0.13	<0.0002	<0.0002	3.7	<0.001	<0.001	0.037	0.037	0.21	0.16	0.28	<0.05	0.002	<0.001	7.9	0.12	0.11	0.041	0.041	1.4	<5	<5	0.041	0.038
SITE 1	**09 Jan 2023**	24	<10	<20	24	<1	2.9	89	84	<5	0.45	<0.05	0.0003	0.0002	5.9	<0.001	<0.001	0.079	0.075	0.26	0.14	0.42	<0.05	0.001	<0.001	17	0.21	0.2	0.066	0.063	1.2	6	<5	0.1	0.089
SITE 1	**16 Jan 2023**	<20	<10	<20	<20	1.6	2.3	56	65	<5	0.42	0.07	<0.0002	<0.0002	5.2	<0.001	<0.001	0.067	0.066	0.35	0.19	0.48	<0.05	0.003	<0.001	13	0.16	0.15	0.057	0.056	0.7	5	<5	0.068	0.061
Site1	**24 Jan 2023**	25	<10	<20	25	<1	2.4	56	59	<5	0.23	0.06	<0.0002	<0.0002	4.6	<0.001	<0.001	0.044	0.042	0.1	0.068	0.29	<0.05	<0.001	<0.001	11	0.12	0.11	0.039	0.037	0.7	<5	<5	0.056	0.054
SITE1	**30 Jan 2023**	27	<10	<20	27	<1	3	34	43	<5	0.23	0.06	<0.0002	<0.0002	3.7	<0.001	<0.001	0.028	0.027	0.052	0.031	0.33	<0.05	<0.001	<0.001	8.3	0.096	0.092	0.026	0.025	0.6	<5	<5	0.038	0.033
Site 1	**06 Feb 2023**	23	<10	<20	23	<1	2.7	46	61	5.4	0.21	0.05	<0.0002	<0.0002	4.3	<0.001	<0.001	0.035	0.034	0.056	0.033	0.31	<0.05	0.001	<0.001	12	0.12	0.12	0.031	0.029	0.7	<5	<5	0.048	0.04
Site 1	**13 Feb 2023**	23	<10	<20	23	<1	3	28	47	<5	0.21	<0.05	<0.0002	<0.0002	3.4	<0.001	<0.001	0.022	0.021	0.036	0.022	0.34	0.07	<0.001	<0.001	9.2	0.091	0.09	0.019	0.019	0.7	<5	<5	0.016	0.015
Site 1	**17 Feb 2023**	21	<10	<20	21	1.2	3.2	55	68	<5	0.27	0.08	<0.0002	<0.0002	4.6	<0.001	<0.001	0.042	0.036	0.079	0.033	0.47	0.09	0.001	<0.001	14	0.14	0.13	0.037	0.031	1.4	<5	<5	0.055	0.04
SITE1	**20 Feb 2023**	24	<10	<20	24	<1	3.2	62	82	<5	0.22	0.05	<0.0002	<0.0002	5.5	<0.001	<0.001	0.046	0.041	0.069	0.032	0.56	<0.05	<0.001	<0.001	17	0.18	0.16	0.041	0.037	0.7	6	<5	0.051	0.045
Site 1	**23 Feb 2023**	<20	<10	<20	<20	<1	3.3	34	48	<5	0.2	0.07	<0.0002	<0.0002	4	<0.001	<0.001	0.03	0.029	0.053	0.03	0.37	<0.05	<0.001	<0.001	9.3	0.11	0.12	0.027	0.026	2.6	<5	<5	0.022	0.018
SITE1	**28 Feb 2023**	<20	<10	<20	<20	<1	2.4	8.6	16	<5	0.28	0.05	<0.0002	<0.0002	1.6	<0.001	<0.001	0.009	0.008	0.022	0.012	0.34	0.07	0.001	<0.001	3	0.039	0.035	0.009	0.007	0.7	<5	<5	0.005	<0.005
SITE 1	**06 Mar 2023**	26	<10	<20	26	<1	2.6	39	46	<5	0.24	<0.05	<0.0002	<0.0002	3.9	<0.001	<0.001	0.033	0.031	0.1	0.07	0.33	<0.05	<0.001	<0.001	8.8	0.11	0.1	0.031	0.03	0.5	<5	<5	0.032	0.028
Site1	**13 Mar 2023**	<20	<10	<20	<20	<1	2.3	36	53	<5	0.25	<0.05	<0.0002	<0.0002	4.6	<0.001	0.001	0.039	0.037	0.11	0.07	0.23	<0.05	<0.001	<0.001	10	0.1	0.093	0.038	0.035	0.5	5	<5	0.055	0.048
SITE 1	**20 Mar 2023**	20	<10	<20	20	<1	2.4	50	59	<5	0.29	<0.05	0.0002	<0.0002	4.6	<0.001	<0.001	0.046	0.037	0.1	0.048	0.33	<0.05	<0.001	<0.001	12	0.12	0.1	0.041	0.035	0.5	6	<5	0.065	0.049
SITE1	**27 Mar 2023**	37	<10	<20	37	<1	2.8	49	61	<5	0.25	0.05	<0.0002	<0.0002	4.6	<0.001	<0.001	0.035	0.035	0.069	0.037	0.41	<0.05	<0.001	<0.001	12	0.12	0.12	0.032	0.032	0.6	<5	<5	0.044	0.041
Site 1	**03 Apr 2023**	22	<10	<20	22	<1	3	82	100	<5	0.36	<0.05	0.0004	0.0003	8.1	<0.001	<0.001	0.077	0.077	0.12	0.061	0.4	<0.05	0.001	<0.001	20	0.25	0.24	0.067	0.065	0.8	8	<5	0.098	0.09
Site1	**11 Apr 2023**	22	<10	<20	22	<1	3.2	39	51	<5	0.25	0.05	<0.0002	<0.0002	3.9	<0.001	<0.001	0.034	0.034	0.074	0.037	0.41	<0.05	<0.001	<0.001	10	0.13	0.13	0.032	0.031	0.7	<5	<5	0.031	0.029
Site 1	**17 Apr 2023**	24	<10	<20	24	1.9	3.6	35	56	<5	0.23	<0.05	<0.0002	<0.0002	4	<0.001	<0.001	0.027	0.026	0.061	0.029	0.4	<0.05	<0.001	<0.001	11	0.1	0.1	0.027	0.026	1	<5	<5	0.028	0.025
Site1	**24 Apr 2023**	23	<10	<20	23	1.9	2.7	58	67	<5	0.32	0.05	0.0002	0.0002	4.9	<0.001	<0.001	0.052	0.043	0.077	0.044	0.37	<0.05	0.002	<0.001	13	0.18	0.18	0.047	0.048	0.7	6	<5	0.065	0.055

Site 1	**Chloride**	**Sodium**	**Sulphate**	**Hardness as CaCO3**	**Total Suspended Solids (Lab)**
Minimum	1.2	1.9	8.6	16.0	5.4
Maximum	15.0	3.6	460.0	470.0	32.0
Average	3.9	2.8	154.7	164.9	16.8
StDev	4.6	0.6	332.2	331.9	9.6

Site 1	**Aluminium (filtered)**	**Cadmium (filtered)**	**Calcium**	**Chromium (III+VI) (filtered)**	**Cobalt (filtered)**	**Copper (filtered)**	**Iron (filtered)**	**Lead (filtered)**	**Magnesium**	**Manganese (filtered)**	**Nickel (filtered)**	**Potassium**	**Uranium (filtered)**	**Zinc (filtered)**
Min	0.1	0.0	1.6	0.0	0.0	0.0	0.1	0.0	3.0	0.0	0.0	0.5	5.0	0.0
Max	2.9	0.0	130.0	0.0	6.1	2.4	16.0	0.0	320.0	12.0	5.0	2.6	82.0	12.0
Avg	0.3	0.0	13.5	0.0	0.4	0.2	2.4	0.0	32.5	0.9	0.3	1.1	31.3	0.7
Std	0.7	0.0	27.3	0.0	1.2	0.5	6.0	0.0	66.1	2.5	1.0	0.7	43.9	2.5

		Inorganics									Metals																													
		Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	1	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
WDL177-09 Trigger Values												0.15		0.0008			0.04		0.013		0.003				0.009		3.6		0.017					0.031
WDL177-09 Triple Trigger Values												0.45		0.003			0.12		0.039		0.009				0.027		10.8		0.051					0.093
Field ID	**Date**																																							
Site 2	**5/05/2022**	58	<10	<20	58	3.7	4.3	100	150	<5	<0.05	<0.05	<0.0002	<0.0002	18	<0.001	<0.001	0.003	<0.001	0.011	0.007	<0.05	<0.05	0.002	<0.001	26	0.03	0.006	0.003	0.002	1	<5	<5	0.009	0.005
Site2	**19/05/2022**	61	<10	<20	61	3.6	4.8	99	160	<5	<0.05	<0.05	0.0002	<0.0002	21	<0.001	<0.001	0.008	0.005	0.019	0.012	<0.05	<0.05	0.003	<0.001	27	0.049	0.021	0.008	0.007	1	<5	<5	0.014	0.01
Site 2	**30/05/2022**	60	<10	<20	3.7	<0.02	4.7	110	170	<5	<0.05	<0.05	<0.0002	<0.0002	27	<0.001	<0.001	0.003	<0.001	0.013	0.008	<0.05	<0.05	0.003	<0.001	26	0.029	0.012	0.006	0.005	1.1	<5	<5	0.008	0.007
Site 2	**13/06/2022**	64	<10	<20	64	4.4	5.1	110	180	<5	<0.05	<0.05	<0.0002	<0.0002	26	<0.001	<0.001	0.003	0.001	0.013	0.008	<0.05	<0.05	0.003	<0.001	29	0.018	0.009	0.005	0.005	1	<5	<5	0.017	0.012
Site2	**13/06/2022**	97	<10	<20	97	4.3	5.1	110	180	<5	<0.05	<0.05	<0.0002	<0.0002	27	0.004	<0.001	0.003	0.001	0.013	0.007	0.24	<0.05	0.003	<0.001	29	0.02	0.008	0.006	0.004	1	<5	<5	0.022	0.012
Site 2	**30/06/2022**	60	<10	<20	60	4.1	5.6	130	180	<5	<0.05	<0.05	<0.0002	<0.0002	24	<0.001	<0.001	<0.001	<0.001	0.008	0.007	<0.05	<0.05	0.001	<0.001	29	<0.005	<0.005	0.008	0.006	<5	<5	<5	<0.005	<0.005
Site2	**30/06/2022**	61	<10	<20	61	4.5	6.1	130	160	<5	<0.05	<0.05	<0.0002	<0.0002	20	<0.001	<0.001	<0.001	<0.001	0.008	0.007	<0.05	<0.05	<0.001	<0.001	26	<0.005	<0.005	0.007	0.007	<5	<5	<5	<0.005	<0.005
Site 2	**15/07/2022**	63	<10	<20	63	3.9	rerun	130	210	<5	<0.05	<0.05	<0.0002	<0.0002	27			0.004	0.003	0.014	0.01	<0.05	<0.05	0.002	<0.001	34	0.013	0.01	0.01	0.009	rerun	<5	<5	0.013	0.011
Site2	**15/07/2022**	60	<10	<20	60	4.3	rerun	130	320	<5	<0.05	<0.05	<0.0002	<0.0002	43			0.004	0.003	0.014	0.01	<0.05	<0.05	0.002	<0.001	51	0.013	0.01	0.009	0.009	rerun	<5	<5	0.012	0.011
Site 2	**3/08/2022**	66	<10	<20	66	4.7	6.8	150	230	<5	<0.05	<0.05	<0.0002	<0.0002	30	<0.001	<0.001	0.004	0.003	0.018	0.015	<0.05	<0.05	0.002	<0.001	37	0.018	0.016	0.011	0.009	1.2	<5	<5	0.013	0.011
Site 2	**3/08/2022**	73	<10	<20	73	4.7	6.6	140	210	<5	<0.05	<0.05	<0.0002	<0.0002	26	<0.001	<0.001	0.003	0.002	0.016	0.014	<0.05	<0.05	0.002	<0.001	35	0.018	0.013	0.011	0.009	1.2	<5	<5	0.013	0.012
Site 2	**15/08/2022**	66	<10	<20	66	4.6	7.3	130	230	<5	<0.05	<0.05	0.0003	<0.0002	29	<0.001	<0.001	0.004	0.002	0.019	0.015	<0.05	<0.05	0.003	<0.001	39	0.026	0.01	0.01	0.01	1.4	<5	<5	0.022	0.016
Site 2	**15/08/2022**	97	<10	<20	97	4.7	7.2	130	240	<5	<0.05	<0.05	<0.0002	<0.0002	30	<0.001	<0.001	0.003	0.002	0.017	0.014	<0.05	<0.05	0.003	<0.001	40	0.023	0.008	0.009	0.009	1.3	<5	<5	0.014	0.014
Site 2	**5/09/2022**	450	<10	<20	160	3.6	7.4	170	250	<5	<0.05	<0.05	<0.0002	<0.0002	30	<0.001	<0.001	0.003	<0.001	0.007	0.003	<0.05	<0.05	0.001	<0.001	41	0.024	0.007	0.007	0.006	1.1	<5	<5	0.006	0.005
Site 2	**3/09/2022**	100	<10	<20	100	3.2	7.4	170	250	<5	<0.05	<0.05	<0.0002	<0.0002	33	<0.001	<0.001	0.013	<0.001	0.028	0.003	<0.05	<0.05	0.002	<0.001	41	0.05	0.007	0.012	0.006	1.1	<5	<5	0.011	0.007
Site 2	**15 Sep 2022**	76	<10	<20	76	4.5	7.8	170	250	<5	<0.05	<0.05	<0.0002	<0.0002	32	<0.001	<0.001	0.003	<0.001	0.015	0.01	<0.05	<0.05	0.002	<0.001	43	0.025	0.007	0.006	0.005	1.1	<5	<5	0.007	0.005
Site2	**15 Sep 2022**	72	<10	<20	72	4.4	7.7	170	250	<5	<0.05	<0.05	<0.0002	<0.0002	30	<0.001	<0.001	0.003	<0.001	0.016	0.01	<0.05	<0.05	0.003	<0.001	43	0.026	0.009	0.006	0.005	1.1	<5	<5	0.011	0.005
Site 2	**26 Sep 2022**	73	<10	<20	73	4.8	7.9	180	260	<5	<0.05	<0.05	<0.0002	<0.0002	30	<0.001	<0.001	0.003	<0.001	0.013	0.008	<0.05	<0.05	0.002	<0.001	44	0.037	<0.005	0.005	0.004	1.1	<5	<5	0.01	<0.005
Site2	**26 Sep 2022**	74	<10	<20	74	5.2	8.1	180	270	<5	<0.05	<0.05	<0.0002	<0.0002	31	<0.001	<0.001	0.003	<0.001	0.015	0.009	<0.05	<0.05	0.003	<0.001	46	0.042	<0.005	0.005	0.004	1.1	<5	<5	0.017	<0.005
Site 2	**16 Oct 2022**	80	<10	<20	80	4.9	8.7	190	270	<5	<0.05	<0.05	<0.0002	<0.0002	31	<0.001	<0.001	0.003	<0.001	0.018	0.009	<0.05	<0.05	0.003	<0.001	47	0.035	<0.005	0.005	0.003	1.3	<5	<5	0.007	<0.005
Site 2	**01 Nov 2022**	88	<10	<20	88	5.1	9.1	220	250	<5	<0.05	<0.05	<0.0002	<0.0002	31	<0.001	<0.001	0.007	0.001	0.025	0.01	<0.05	<0.05	0.006	<0.001	43	0.066	0.011	0.005	0.001	1.4	<5	<5	0.011	0.005
Site2	**01 Nov 2022**	84	12	<20	96	4.9	9.1	210	250	<5	<0.05	<0.05	<0.0002	<0.0002	30	<0.001	<0.001	0.004	<0.001	0.018	0.009	<0.05	<0.05	0.005	<0.001	43	0.064	0.006	0.003	<0.001	1.3	<5	<5	0.009	<0.005
Site 2	**07 Nov 2022**	89	<10	<20	89	4.8	8.8	210	300	<5	<0.05	<0.05	<0.0002	<0.0002	35	<0.001	<0.001	0.005	<0.001	0.02	0.008	<0.05	<0.05	0.004	<0.001	51	0.04	0.005	0.006	0.003	1.5	<5	<5	0.007	<0.005
Site2	**07 Nov 2022**	77	<10	<20	77	5.2	9	210	300	<5	<0.05	<0.05	<0.0002	<0.0002	36	<0.001	<0.001	0.006	<0.001	0.023	0.007	0.06	<0.05	0.008	<0.001	51	0.045	<0.005	0.007	0.003	1.5	<5	<5	0.013	<0.005
Site 2	**15 Nov 2022**	85	<10	<20	85	6.2	8	220	250	<5	<0.05	<0.05	<0.0002	<0.0002	30	<0.001	<0.001	0.002	<0.001	0.011	0.007	<0.05	<0.05	0.002	<0.001	42	0.045	<0.005	0.003	0.002	1.5	<5	<5	<0.005	<0.005
Site2	**15 Nov 2022**	83	<10	<20	83	5.9	7.9	220	250	<5	<0.05	<0.05	<0.0002	<0.0002	30	<0.001	<0.001	0.002	<0.001	0.011	0.007	<0.05	<0.05	0.003	<0.001	42	0.043	<0.005	0.003	0.002	1.4	<5	<5	<0.005	<0.005
Site 2	**22 Nov 2022**	170	<10	<20	170	6.7	19	130	210	<5	<0.05	<0.05	<0.0002	<0.0002	35	<0.001	<0.001	0.002	0.002	0.009	0.007	0.25	<0.05	<0.001	<0.001	29	0.16	0.15	0.006	0.005	2	5	<5	0.005	0.007
Site 2	**28 Nov 2022**	190	<10	<20	190	3.9	6.9	180	220	<5	<0.05	<0.05	<0.0002	<0.0002	26	<0.001	<0.001	0.003	<0.001	0.012	0.006	0.07	<0.05	0.003	<0.001	38	0.076	0.008	0.005	0.003	1.3	<5	<5	<0.005	<0.005
Site 2	**05 Dec 2022**	98	<10	<20	98	3.9	6.4	180	210	<5	<0.05	<0.05	<0.0002	<0.0002	27	0.002	<0.001	0.002	<0.001	0.011	0.006	0.11	<0.05	0.002	<0.001	35	0.076	0.02	0.004	0.003	1.1	<5	<5	0.007	<0.005
Site 2	**12 Dec 2022**	130	<10	<20	130	3.6	7.8	210	240	<5	<0.05	<0.05	<0.0002	<0.0002	28	<0.001	<0.001	0.003	<0.001	0.011	0.005	<0.05	<0.05	0.003	<0.001	40	0.092	0.013	0.004	0.003	1.5	<5	<5	<0.005	<0.005
Site 2	**19 Dec 2022**	87	<10	<20	87	3.7	7.2	230	230	7.9	<0.05	<0.05	<0.0002	<0.0002	29	<0.001	<0.001	0.003	<0.001	0.012	0.006	<0.05	<0.05	0.004	<0.001	39	0.088	0.016	0.005	0.004	1.5	<5	<5	0.008	<0.005
SITE2	**24 Dec 2022**	78	<10	<20	78	4.5	6.9	200	210	<5	<0.05	<0.05	<0.0002	<0.0002	25	<0.001	0.002	0.004	0.001	0.014	0.008	0.12	0.07	0.009	<0.001	37	0.069	0.038	0.006	0.005	1.8	<5	<5	0.007	0.007
SITE 2	**26 Dec 2022**	110	<10	<20	110	4.7	6.5	190	190	<5	<0.05	<0.05	<0.0002	<0.0002	21	<0.001	<0.001	0.003	<0.001	0.012	0.007	0.09	<0.05	0.005	<0.001	34	0.067	0.037	0.005	0.005	1.7	<5	<5	0.009	0.006
SITE2	**03 Jan 2023**	72	<10	<20	72	1.2	3.8	99	110	<5	<0.05	<0.05	<0.0002	<0.0002	14	<0.001	<0.001	0.006	0.002	0.019	0.005	0.12	<0.05	0.012	<0.001	19	0.1	0.07	0.007	0.006	0.9	<5	<5	0.019	0.007
SITE 2	**09 Jan 2023**	37	<10	<20	37	1.7	4.5	110	110	<5	<0.05	<0.05	<0.0002	<0.0002	15	<0.001	0.004	0.011	0.006	0.024	0.005	0.12	0.12	0.012	<0.001	18	0.22	0.19	0.011	0.01	1.2	<5	<5	0.017	0.009
SITE 2	**16 Jan 2023**	<20	<10	<20	<20	30	3.3	94	120	<5	0.05	<0.05	<0.0002	<0.0002	18	<0.001	<0.001	0.023	0.012	0.049	0.004	0.21	<0.05	0.025	<0.001	18	0.47	0.42	0.018	0.013	0.7	<5	<5	0.02	0.008
Site2	**24 Jan 2023**	64	<10	<20	64	1.3	3.4	98	120	<5	<0.05	<0.05	<0.0002	<0.0002	17	<0.001	<0.001	0.013	0.007	0.026	0.005	0.11	<0.05	0.014	<0.001	19	0.28	0.24	0.013	0.011	0.7	<5	<5	0.019	0.008
SITE2	**30 Jan 2023**	56	<10	<20	56	2.9	4.7	110	150	<5	<0.05	<0.05	<0.0002	<0.0002	24	<0.001	<0.001	0.018	0.012	0.03	0.005	0.11	<0.05	0.016	<0.001	22	0.36	0.33	0.016	0.014	0.7	<5	<5	0.015	0.01
Site 2	**06 Feb 2023**	58	<10	<20	58	2.1	3.9	120	150	<5	<0.05	<0.05	<0.0002	<0.0002	18	<0.001	<0.001	0.012	0.009	0.019	0.005	0.08	<0.05	0.01	<0.001	25	0.22	0.19	0.013	0.012	0.8	<5	<5	0.017	0.009
Site2	**13 Feb 2023**	43	<10	<20	43	1.7	4.5	120	170	<5	<0.05	<0.05	<0.0002	<0.0002	19	<0.001	<0.001	0.01	0.005	0.017	0.005	0.06	<0.05	0.007	<0.001	30	0.16	0.13	0.012	0.011	0.9	<5	<5	0.022	0.009
Site 2	**17 Feb 2023**	220	<10	<20	220	2.4	4.6	130	150	<5	<0.05	<0.05	<0.0002	<0.0002	16	<0.001	<0.001	0.006	0.002	0.013	0.007	<0.05	<0.05	0.004	<0.001	27	0.14	0.081	0.013	0.01	1.6	<5	<5	0.013	0.007
SITE2	**20 Feb 2023**	51	<10	<20	51	1.8	4.3	120	160	<5	<0.05	<0.05	<0.0002	<0.0002	17	<0.001	<0.001	0.006	0.002	0.014	0.006	<0.05	<0.05	0.004	<0.001	29	0.14	0.086	0.011	0.009	0.9	<5	<5	0.015	0.007
Site 2	**23 Feb 2023**	53	<10	<20	53	2.4	4.7	120	180	<5	<0.05	<0.05	<0.0002	<0.0002	21	0.005	<0.001	0.006	<0.001	0.016	0.006	0.06	<0.05	0.006	<0.001	31	0.12	0.035	0.011	0.009	3.1	<5	<5	0.015	0.01
SITE2	**28 Feb 2023**	45	<10	<20	45	1.8	4.1	88	140	<5	<0.05	<0.05	<0.0002	<0.0002	17	<0.001	<0.001	0.004	<0.001	0.013	0.004	0.09	<0.05	0.007	<0.001	25	0.045	0.009	0.008	0.007	0.9	<5	<5	0.011	0.01
SITE2	**06 Mar 2023**	40	<10	<20	40	1.5	3.8	74	120	<5	<0.05	<0.05	<0.0002	<0.0002	15	<0.001	<0.001	0.005	0.001	0.014	0.006	0.07	<0.05	0.006	<0.001	20	0.049	0.02	0.008	0.007	0.7	<5	<5	0.01	0.007
Site2	**13 Mar 2023**	51	<10	<20	51	<1	3.3	74	99	<5	<0.05	<0.05	<0.0002	<0.0002	13	<0.001	<0.001	0.006	<0.001	0.017	0.005	0.06	<0.05	0.013	<0.001	16	0.059	<0.005	0.009	0.006	0.5	<5	<5	0.015	0.006
SITE 2	**20 Mar 2023**	35	<10	<20	35	<1	3.6	93	130	<5	<0.05	<0.05	<0.0002	<0.0002	16	<0.001	<0.001	0.005	0.002	0.014	0.006	0.05	<0.05	0.004	<0.001	21	0.044	0.02	0.009	0.007	0.6	<5	<5	0.016	<0.005
SITE2	**27 Mar 2023**	42	<10	<20	42	1.1	3.6	100	130	<5	<0.05	<0.05	<0.0002	<0.0002	17	<0.001	0.001	0.003	<0.001	0.011	0.007	<0.05	<0.05	0.004	<0.001	22	0.036	0.01	0.006	0.005	0.6	<5	<5	0.007	0.005
Site 2	**03 Apr 2023**	44	<10	<20	44	<1	4.3	110	150	<5	<0.05	<0.05	<0.0002	<0.0002	21	<0.001	<0.001	0.003	<0.001	0.012	0.007	<0.05	<0.05	0.003	<0.001	25	0.033	0.006	0.005	0.005	0.7	<5	<5	0.006	<0.005
Site2	**11 Apr 2023**	41	<10	<20	41	<1	4	110	140	<5	<0.05	<0.05	<0.0002	<0.0002	17	<0.001	<0.001	0.003	<0.001	0.012	0.007	0.06	<0.05	0.005	<0.001	24	0.045	<0.005	0.006	0.004	0.7	<5	<5	0.011	0.005
Site 2	**17 Apr 2023**	53	<10	<20	53	2.4	4.6	100	170	<5	<0.05	<0.05	<0.0002	<0.0002	22	<0.001	<0.001	0.002	<0.001	0.011	0.007	<0.05	<0.05	0.002	<0.001	27	0.027	0.009	0.005	0.005	0.9	<5	<5	0.007	0.005
Site2	**24 Apr 2023**	49	<10	<20	49	2.5	3.5	110	130	<5	<0.05	<0.05	<0.0002	<0.0002	17	<0.001	<0.001	0.002	<0.001	0.012	0.007	<0.05	<0.05	0.002	<0.001	21	0.018	<0.005	0.004	0.003	0.5	<5	<5	0.007	<0.005

Site 2	**Chloride**	**Sodium**	**Sulphate**	**Hardness as CaCO3**	**Total Suspended Solids (Lab)**	**Site 2**	**Aluminium (filtered)**	**Cadmium (filtered)**	**Calcium**	**Chromium (III+VI) (filtered)**	**Cobalt (filtered)**	**Copper (filtered)**	**Iron (filtered)**	**Lead (filtered)**	**Magnesium**	**Manganese (filtered)**	**Nickel (filtered)**	**Potassium**	**Uranium (filtered)**	**Zinc (filtered)**
	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L													
Min	1.1	3.3	74.0	99.0	<5	Min	0.000	0.000	13.000	0.001	0.001	0.003	0.070	0.000	16.000	0.005	0.001	0.500	0.000	0.005
Max	30.0	19.0	230.0	320.0	7.9	Max	0.000	0.000	43.000	0.004	0.012	0.015	0.120	0.000	51.000	0.420	0.014	3.100	0.000	0.016
Avg	4.3	6.2	142.7	195.4	<5	Avg	0.000	0.000	24.654	0.002	0.004	0.007	0.095	0.000	32.615	0.056	0.006	1.150	0.000	0.008
Stdev	4.1	2.6	44.4	56.5	0.0	Stdev	0.000	0.000	6.880	0.002	0.003	0.003	0.035	0.000	9.730	0.094	0.003	0.451	0.000	0.003

		Inorganics									Metals																													
		Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	1	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
Field ID	**Date**																																							
Site 4	**5/05/2022**	<20	<10	<20	<20	1.9	2.2	<5	11	<5	0.07	<0.05	<0.0002	<0.0002	2.5	<0.001	<0.001	<0.001	<0.001	0.002	0.001	0.45	0.27	<0.001	<0.001	1.1	0.009	0.007	<0.001	<0.001	1	<5	<5	0.006	<0.005
SITE 4	**24 Dec 2022**	24	<10	<20	24	3.3	2.2	<5	5.5	5.2	1.1	0.31	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.39	0.1	0.001	<0.001	1.1	0.01	0.008	<0.001	<0.001	2.1	<5	<5	<0.005	<0.005
SITE 4	**26 Dec 2022**	65	<10	<20	65	49	3	34	9.7	6.6	0.5	0.15	<0.0002	<0.0002	0.7	<0.001	<0.001	<0.001	<0.001	0.003	0.002	0.28	0.14	0.001	<0.001	1.9	0.022	0.021	<0.001	<0.001	2.5	<5	<5	0.006	0.005
SITE4	**03 Jan 2023**	62	<10	<20	62	<1	1.8	12	<5	<5	0.14	0.08	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.1	0.05	<0.001	<0.001	0.5	0.009	0.008	<0.001	<0.001	1.1	<5	<5	<0.005	<0.005
SITE 4	**09 Jan 2023**	99	<10	<20	99	5.2	2	9	<5	<5	0.1	0.06	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.002	0.002	0.15	0.07	<0.001	<0.001	0.5	0.011	0.01	<0.001	<0.001	0.9	<5	<5	<0.005	<0.005
SITE 4	**16 Jan 2023**	50	<10	<20	50	34	1.9	<5	<5	<5	0.11	0.06	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.002	0.001	0.18	0.09	<0.001	<0.001	0.5	0.01	0.007	<0.001	<0.001	0.8	<5	<5	<0.005	<0.005
Site4	**24 Jan 2023**	68	<10	<20	68	<1	2	<5	<5	<5	0.08	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.16	0.07	<0.001	<0.001	0.6	0.007	0.007	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
SITE4	**30 Jan 2023**	<20	<10	<20	<20	<1	2.4	<5	<5	<5	0.08	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.19	0.07	<0.001	<0.001	<0.5	0.007	0.005	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
Site 4	**06 Feb 2023**	<20	<10	<20	<20	<1	2.1	<5	<5	<5	0.08	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.22	0.08	<0.001	<0.001	0.6	0.01	0.006	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
Site 4	**13 Feb 2023**	<20	<10	<20	<20	<1	2.2	<5	<5	<5	0.12	0.06	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.17	0.07	0.001	<0.001	0.6	0.009	<0.005	<0.001	<0.001	0.8	<5	<5	<0.005	<0.005
Site 4	**17 Feb 2023**	26	<10	<20	26	<1	2	<5	<5	<5	0.13	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.003	0.001	0.22	0.08	<0.001	<0.001	<0.5	0.007	<0.005	<0.001	<0.001	0.6	<5	<5	0.012	<0.005
SITE4	**20 Feb 2023**	120	<10	<20	120	<1	2.2	<5	<5	<5	0.07	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.23	0.07	<0.001	<0.001	0.7	0.007	<0.005	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
Site 4	**23 Feb 2023**	<20	<10	<20	<20	<1	2	<5	<5	<5	<0.05	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.14	0.07	<0.001	<0.001	0.6	0.006	<0.005	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
SITE4	**28 Feb 2023**	<20	<10	<20	<20	<1	1.7	<5	<5	<5	0.13	<0.05	<0.0002	<0.0002	<0.5	0.002	<0.001	0.003	<0.001	0.007	<0.001	0.16	0.05	<0.001	<0.001	0.5	0.009	<0.005	0.002	<0.001	0.7	<5	<5	<0.005	<0.005
SITE4	**06 Mar 2023**	33	<10	<20	33	<1	1.9	<5	<5	<5	0.06	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.12	0.06	<0.001	<0.001	0.5	<0.005	<0.005	<0.001	<0.001	0.6	<5	<5	<0.005	<0.005
Site4	**13 Mar 2023**	<20	<10	<20	<20	<1	1.8	<5	<5	<5	<0.05	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.1	<0.05	<0.001	<0.001	<0.5	<0.005	<0.005	<0.001	<0.001	0.5	<5	<5	<0.005	<0.005
SITE 4	**20 Mar 2023**	<20	<10	<20	<20	<1	1.9	<5	<5	<5	0.06	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.17	0.05	<0.001	<0.001	0.6	<0.005	<0.005	<0.001	<0.001	0.6	<5	<5	<0.005	<0.005
SITE4	**27 Mar 2023**	<20	<10	<20	<20	<1	1.9	<5	<5	<5	0.06	<0.05	<0.0002	<0.0002	<0.5	0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.17	0.07	<0.001	<0.001	0.6	<0.005	<0.005	<0.001	<0.001	0.6	<5	<5	<0.005	<0.005
Site 4	**03 Apr 2023**	<20	<10	<20	<20	<1	2.2	<5	<5	<5	<0.05	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.19	0.07	<0.001	<0.001	0.8	0.006	<0.005	<0.001	<0.001	0.6	<5	<5	<0.005	<0.005
Site4	**11 Apr 2023**	<20	<10	<20	<20	<1	2.4	<5	<5	<5	0.06	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.17	0.06	<0.001	<0.001	0.6	<0.005	<0.005	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
Site 4	**17 Apr 2023**	<20	<10	<20	<20	1.7	2.5	<5	33	<5	<0.05	<0.05	<0.0002	<0.0002	2.3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.17	0.07	<0.001	<0.001	6.7	0.005	0.005	<0.001	<0.001	1	<5	<5	<0.005	<0.005
Site4	**24 Apr 2023**	<20	<10	<20	<20	1.6	2	<5	<5	<5	0.05	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.16	0.05	<0.001	<0.001	0.6	<0.005	<0.005	<0.001	<0.001	0.6	<5	<5	<0.005	<0.005

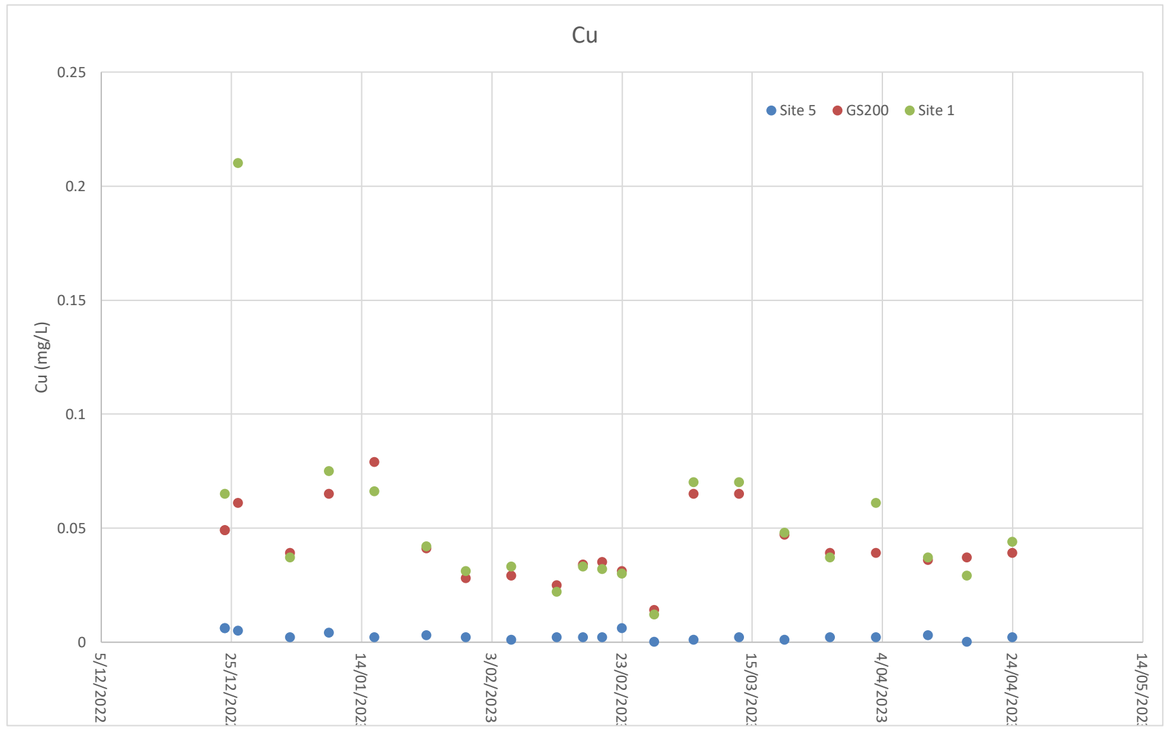
Site 4	**Chloride**	**Sodium**	**Sulphate**	**Hardness as CaCO3**	**Total Suspended Solids (Lab)**	**Site 2**	**Aluminium (filtered)**	**Cadmium (filtered)**	**Calcium**	**Chromium (III+VI) (filtered)**	**Cobalt (filtered)**	**Copper (filtered)**	**Iron (filtered)**	**Lead (filtered)**	**Magnesium**	**Manganese (filtered)**	**Nickel (filtered)**	**Potassium**	**Uranium (filtered)**	**Zinc (filtered)**
	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L													
Min	1.6	1.7	9.0	5.5	5.2	Min	0.060	0.000	0.700	0.000	0.000	0.001	0.050	0.000	0.500	0.005	0.000	0.500	0.000	0.005
Max	49.0	3.0	34.0	33.0	6.6	Max	0.150	0.000	2.300	0.000	0.000	0.002	0.140	0.000	6.700	0.021	0.000	2.500	0.000	0.005
Avg	13.8	2.1	18.3	14.8	5.9	Avg	0.082	0.000	1.500	0.000	0.000	0.001	0.071	0.000	1.024	0.009	0.000	0.805	0.000	0.005
Stdev	19.4	0.3	13.7	12.4	1.0	Stdev	0.039	0.000	1.131	0.000	0.000	0.001	0.020	0.000	1.499	0.005	0.000	0.425	0.000	0.000

		Inorganics									Metals																									
		Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	1	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
Field ID	**Date**																																			
TREAT01	**24 Dec 2022**	110	<10	<20	110	1.9	3.6	160	170	<5	<0.05	<0.05	<0.0002	<0.0002	25	0.001	0.001	0.02	0.002	0.19	0.007	<0.05	<0.05	0.01	0.005	26	0.015	<0.005	0.013	0.002	1.5	<5	<5	0.007	<0.005
TREAT 01	**26 Dec 2022**	140	<10	<20	140	2.1	3.4	200	190	12	<0.05	<0.05	<0.0002	<0.0002	37	0.001	<0.001	0.022	0.002	0.21	0.006	<0.05	<0.05	0.011	0.006	23	0.017	<0.005	0.014	0.002	1.4	<5	<5	0.007	<0.005
TREAT1	**03 Jan 2023**	<20	13	<20	<20	<1	1.3	64	70	<5	0.29	0.24	<0.0002	<0.0002	24	<0.001	0.002	0.03	0.001	0.2	0.007	<0.05	<0.05	0.057	0.036	2.4	0.029	<0.005	0.021	0.006	<0.5	<5	<5	0.05	0.012
TREAT 01	**09 Jan 2023**	71	<10	<20	73	2.3	3.7	140	150	<5	0.07	<0.05	<0.0002	<0.0002	22	0.001	<0.001	0.029	0.001	0.2	0.004	<0.05	<0.05	0.028	0.006	23	0.031	<0.005	0.023	0.002	1.2	<5	<5	0.035	<0.005
TREAT01	**16 Jan 2023**	<20	<10	<20	<20	4	2.8	94	130	16	<0.05	<0.05	<0.0002	<0.0002	16	<0.001	<0.001	0.009	<0.001	0.021	0.003	0.07	<0.05	0.014	0.002	23	0.046	<0.005	0.008	0.002	0.8	<5	<5	0.025	<0.005
Treat01	**24 Jan 2023**	140	<10	<20	140	1.8	3	110	140	<5	0.08	<0.05	<0.0002	<0.0002	21	<0.001	<0.001	0.036	0.002	0.25	0.008	<0.05	<0.05	0.046	0.016	22	0.047	<0.005	0.028	0.003	0.8	<5	<5	0.2	0.006
TREAT01	**30 Jan 2023**	42	27	<20	68	4.4	4.5	110	160	<5	<0.05	<0.05	<0.0002	<0.0002	18	<0.001	<0.001	0.006	<0.001	0.012	0.004	<0.05	<0.05	0.004	<0.001	28	0.04	0.01	0.008	0.004	0.9	<5	<5	0.011	<0.005
TREAT01	**06 Feb 2023**	44	21	<20	65	2.5	3.5	120	150	<5	<0.05	<0.05	<0.0002	<0.0002	11	<0.001	<0.001	0.008	<0.001	0.011	0.002	<0.05	<0.05	0.004	<0.001	30	0.061	0.01	0.009	0.003	1.1	<5	<5	0.024	<0.005
Treat 01	**13 Feb 2023**	55	<10	<20	55	1.8	3.6	110	170	<5	<0.05	<0.05	<0.0002	<0.0002	17	<0.001	<0.001	0.008	0.001	0.012	0.002	<0.05	<0.05	0.007	<0.001	30	0.082	0.028	0.009	0.003	1.1	<5	<5	0.012	0.007
Treat 01	**17 Feb 2023**	48	16	<20	64	2.2	3.8	140	180	<5	0.1	<0.05	<0.0002	<0.0002	24	<0.001	<0.001	0.065	0.005	0.51	0.013	<0.05	<0.05	0.046	0.01	28	0.11	0.021	0.045	0.004	1.7	<5	<5	0.042	<0.005
TREAT01	**20 Feb 2023**	37	<10	<20	43	1.7	4.3	80	130	<5	<0.05	<0.05	<0.0002	<0.0002	16	0.002	<0.001	0.004	<0.001	0.043	0.024	<0.05	0.05	0.007	0.001	21	0.018	<0.005	0.004	0.002	1.5	<5	<5	0.048	0.011
Treat01	**23 Feb 2023**	<20	21	<20	36	<1	1.9	55	110	<5	<0.05	<0.05	<0.0002	<0.0002	17	0.002	<0.001	0.003	<0.001	0.006	<0.001	0.08	<0.05	0.007	<0.001	16	0.019	<0.005	0.003	<0.001	2.4	<5	<5	0.016	<0.005
TREAT01	**28 Feb 2023**	26	22	<20	48	1.2	2.7	89	140	<5	<0.05	<0.05	<0.0002	<0.0002	20	<0.001	0.002	0.033	0.007	0.25	0.02	<0.05	<0.05	0.048	0.026	22	0.038	0.005	0.022	0.006	0.7	<5	<5	0.014	<0.005
TREAT01	**06 Mar 2023**	30	20	<20	50	1.1	2.6	66	120	<5	<0.05	<0.05	<0.0002	<0.0002	16	<0.001	<0.001	0.013	<0.001	0.026	0.002	<0.05	<0.05	0.018	0.004	20	0.048	<0.005	0.012	0.002	0.7	<5	<5	0.019	<0.005
Treat01	**13 Mar 2023**	30	17	<20	47	<1	2.5	86	120	<5	<0.05	<0.05	<0.0002	<0.0002	16	<0.001	<0.001	0.013	<0.001	0.019	0.002	<0.05	<0.05	0.015	0.003	20	0.068	0.005	0.013	0.002	0.6	<5	<5	0.02	<0.005
TREAT01	**20 Mar 2023**	31	<10	<20	38	1.1	2.9	100	140	<5	0.13	<0.05	0.0002	<0.0002	18	<0.001	<0.001	0.048	0.002	0.33	0.006	<0.05	<0.05	0.095	0.036	23	0.079	0.026	0.04	0.003	0.6	<5	<5	0.06	<0.005
TREAT01	**27 Mar 2023**	27	14	<20	41	<1	2.7	130	150	<5	<0.05	<0.05	<0.0002	<0.0002	25	<0.001	<0.001	0.026	0.003	0.21	0.015	<0.05	<0.05	0.041	0.031	22	0.02	<0.005	0.017	0.003	0.6	<5	<5	0.062	<0.005
Treat 01	**03 Apr 2023**	29	20	<20	49	1.1	4	110	170	10	<0.05	<0.05	<0.0002	<0.0002	12	<0.001	<0.001	0.006	<0.001	0.013	0.002	<0.05	<0.05	0.004	<0.001	34	0.059	<0.005	0.013	0.003	0.7	<5	<5	0.061	<0.005
Treat01	**11 Apr 2023**	27	19	<20	46	<1	2.8	80	130	<5	<0.05	<0.05	<0.0002	<0.0002	16	0.002	<0.001	0.006	<0.001	0.017	0.003	<0.05	<0.05	0.016	0.002	21	0.025	<0.005	0.006	0.001	0.7	<5	<5	0.015	<0.005
Treat01	**17 Apr 2023**	31	22	<20	53	4.2	49	120	210	<5	0.07	<0.05	<0.0002	<0.0002	29	<0.001	<0.001	0.054	0.008	0.41	0.026	<0.05	<0.05	0.047	0.03	33	0.046	<0.005	0.036	0.005	2.5	<5	<5	0.049	<0.005
Treat01	**24 Apr 2023**	38	30	<20	68	2.8	3.4	120	140	<5	<0.05	<0.05	<0.0002	<0.0002	9.5	<0.001	<0.001	0.002	<0.001	0.01	0.002	<0.05	<0.05	0.003	<0.001	29	0.031	<0.005	0.006	0.002	0.6	<5	<5	0.014	<0.005

Treat01	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Treat01	Aluminium (filtered)	Cadmium (filtered)	Calcium	Chromium (III+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Magnesium	Manganese (filtered)	Nickel (filtered)	Potassium	Uranium (filtered)	Zinc (filtered)
	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	mg/L
Min	1.1	1.3	55.0	70.0	10.0	Min	0.240	0.000	9.500	0.001	0.001	0.002	0.050	0.001	2.400	0.005	0.001	0.600	0.000	0.006
Max	4.4	49.0	200.0	210.0	16.0	Max	0.240	0.000	37.000	0.002	0.008	0.026	0.050	0.036	34.000	0.028	0.006	2.500	0.000	0.012
Avg	2.3	5.3	108.8	146.2	12.7	Avg	0.240	0.000	19.500	0.000	0.003	0.008	0.000	0.014	23.638	0.015	0.003	1.105	0.000	0.009
Stdev	1.1	10.0	34.1	30.4	3.1	Stdev	0.000	0.000	6.376	0.000	0.002	0.008	0.000	0.014	6.737	0.010	0.001	0.575	0.000	0.003

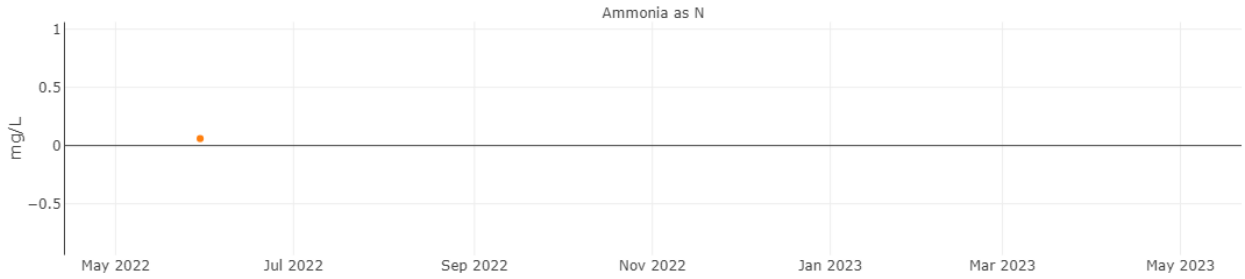
		Inorganics									Metals																									
Discharging	Sampled 1 hour before discharge commenced	Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	1	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
GS200	5/05/2022	40	<10	<20	40	3.7	5	490	540	<5	0.12	<0.05	0.0022	0.002	42	<0.001	<0.001	0.83	0.76	0.15	0.093	0.45	<0.05	<0.001	<0.001	100	2.3	2.1	0.69	0.65	2.2	9	6	1.3	1.1
GS200	18/05/2022	47	<10	<20	47	4.3	8	730	910	<5	0.08	<0.05	0.0041	0.0035	79	<0.001	0.002	2.1	1.9	0.22	0.12	0.49	0.12	<0.001	<0.001	170	5.9	5.9	1.6	1.5	2.2	11	9	2.6	2.4
GS 200	22 Nov 2022	140	<10	<20	140	7.2	20	140	220	<5	<0.05	<0.05	<0.0002	<0.0002	37	<0.001	<0.001	0.002	0.002	0.009	0.007	0.26	<0.05	<0.001	<0.001	31	0.17	0.15	0.006	0.005	2.2	6	<5	0.006	<0.005
GS 200	28 Nov 2022	150	<10	<20	150	3.6	8.5	590	660	5.8	0.56	0.06	0.0047	0.0043	60	<0.001	<0.001	2	1.9	0.56	0.41	0.25	<0.05	0.003	<0.001	130	4.9	4.8	1.6	1.5	2.3	26	17	3.4	3.1
GS 200	05 Dec 2022	41	<10	<20	41	5	12	580	650	<5	0.34	0.07	0.0044	0.0045	62	<0.001	<0.001	2.1	2	0.57	0.47	0.18	<0.05	0.003	<0.001	120	4.8	4.7	1.6	1.5	2.4	30	21	3.7	3.6
GS 200	12 Dec 2022	<20	<10	<20	<20	4.7	12	670	710	6.6	0.69	0.44	0.006	0.0054	57	<0.001	<0.001	2.4	2.3	1.3	1.2	0.22	0.06	0.005	0.004	140	6.1	5.8	1.9	1.8	2.8	34	25	5.7	5.4
GS 200	19 Dec 2022	110	<10	<20	110	4.2	14	750	720	14	0.78	0.06	0.0046	0.0045	67	<0.001	<0.001	2	2.1	0.47	0.32	0.32	<0.05	0.005	<0.001	130	4.8	4.9	1.7	1.6	2.6	32	24	3.5	3.4
GS200 A - 1hr before dis	24 Dec 2022	52	<10	<20	52	<1	2.7	86	88	24	0.81	<0.05	0.0002	<0.0002	8.1	<0.001	<0.001	0.083	0.082	0.12	0.049	1	0.06	0.004	<0.001	17	0.39	0.39	0.068	0.068	1.9	7	<5	0.063	0.059
GS200	24 Dec 2022	26	<10	<20	26	1.4	2.6	74	76	26	0.97	0.06	<0.0002	<0.0002	6.2	<0.001	<0.001	0.069	0.06	0.1	0.049	1.1	0.07	0.004	<0.001	15	0.3	0.22	0.058	0.056	1.9	6	<5	0.058	0.052
GS200	26 Dec 2022	46	<10	<20	46	2.8	5.3	190	180	10	0.34	0.05	0.0003	0.0003	19	<0.001	<0.001	0.078	0.063	0.11	0.061	0.42	<0.05	0.002	<0.001	33	0.32	0.32	0.071	0.072	1.8	5	<5	0.11	0.11
GS200	03 Jan 2023	48	<10	<20	48	<1	2.7	69	65	<5	0.23	<0.05	<0.0002	<0.0002	6.6	<0.001	<0.001	0.025	0.025	0.06	0.039	0.26	<0.05	0.001	<0.001	12	0.19	0.18	0.027	0.027	1.1	<5	<5	0.03	0.029
GS 200	09 Jan 2023	<20	<10	<20	<20	1.8	3.4	62	66	<5	0.28	<0.05	<0.0002	<0.0002	5.9	<0.001	<0.001	0.046	0.045	0.12	0.065	0.4	<0.05	0.001	<0.001	13	0.21	0.21	0.043	0.041	1.8	<5	<5	0.055	0.052
GS 200	16 Jan 2023	<20	<10	<20	<20	7.8	2.6	55	60	<5	0.41	<0.05	<0.0002	<0.0002	5.7	0.002	0.003	0.052	0.051	0.15	0.079	0.58	0.06	0.004	<0.001	11	0.2	0.2	0.05	0.049	0.8	7	<5	0.06	0.054
GS200	24 Jan 2023	55	<10	<20	55	<1	2.6	46	50	<5	0.19	<0.05	<0.0002	<0.0002	4.8	<0.001	<0.001	0.039	0.031	0.069	0.041	0.37	<0.05	<0.001	<0.001	9.3	0.16	0.15	0.035	0.034	0.8	<5	<5	0.047	0.046
GS200	30 Jan 2023	<20	<10	<20	<20	<1	3.3	39	51	<5	0.16	<0.05	<0.0002	<0.0002	5.4	<0.001	<0.001	0.037	0.034	0.05	0.028	0.4	<0.05	<0.001	<0.001	9.2	0.13	0.12	0.034	0.032	0.7	<5	<5	0.05	0.044
GS200	06 Feb 2023	27	<10	<20	27	<1	3	52	64	5.3	0.15	<0.05	<0.0002	<0.0002	5.5	<0.001	<0.001	0.045	0.042	0.059	0.029	0.39	<0.05	<0.001	<0.001	12	0.16	0.15	0.04	0.038	0.6	<5	<5	0.066	0.056
GS200	13 Feb 2023	<20	<10	<20	<20	<1	3.1	36	51	<5	0.21	<0.05	<0.0002	<0.0002	3.9	<0.001	<0.001	0.031	0.03	0.047	0.025	0.38	<0.05	0.003	<0.001	10	0.12	0.12	0.028	0.027	0.7	<5	<5	0.036	0.032
GS200	17 Feb 2023	66	<10	<20	66	32	3.7	60	68	<5	0.22	0.05	0.0002	<0.0002	4.9	<0.001	<0.001	0.065	0.05	0.093	0.034	0.53	<0.05	0.001	<0.001	13	0.23	0.18	0.058	0.047	1.8	5	<5	0.093	0.065
GS200	20 Feb 2023	23	<10	<20	23	<1	3.4	62	78	<5	0.17	<0.05	<0.0002	<0.0002	5.8	<0.001	<0.001	0.059	0.055	0.078	0.035	0.64	<0.05	<0.001	<0.001	15	0.22	0.2	0.055	0.052	0.7	<5	<5	0.08	0.07
GS200	23 Feb 2023	<20	<10	<20	<20	<1	2.7	40	47	<5	0.15	<0.05	<0.0002	<0.0002	3.8	<0.001	<0.001	0.035	0.033	0.057	0.031	0.4	<0.05	<0.001	<0.001	9.1	0.13	0.12	0.032	0.031	0.6	<5	<5	0.043	0.034
GS200	28 Feb 2023	<20	<10	<20	<20	<1	2.2	12	19	5.2	0.24	<0.05	<0.0002	<0.0002	2	<0.001	<0.001	0.01	0.01	0.022	0.014	0.31	0.07	<0.001	<0.001	3.5	0.04	0.035	0.01	0.009	0.6	<5	<5	0.01	0.009
GS200	06 Mar 2023	<20	<10	<20	<20	<1	2.7	48	54	<5	0.21	<0.05	<0.0002	<0.0002	5	<0.001	<0.001	0.043	0.041	0.11	0.065	0.33	<0.05	<0.001	<0.001	10	0.14	0.13	0.04	0.04	0.6	<5	<5	0.047	0.043
GS200	13 Mar 2023	<20	<10	<20	<20	<1	2.4	54	59	<5	0.24	<0.05	0.0002	<0.0002	5.5	<0.001	<0.001	0.053	0.05	0.12	0.065	0.3	<0.05	<0.001	<0.001	11	0.15	0.14	0.051	0.046	0.5	5	<5	0.072	0.061
GS200	20 Mar 2023	<20	<10	<20	<20	<1	2.7	60	66	<5	0.29	<0.05	0.0003	<0.0002	5.7	0.002	<0.001	0.067	0.053	0.13	0.047	0.47	<0.05	0.001	<0.001	13	0.2	0.16	0.063	0.049	0.6	7	<5	0.091	0.068
GS200	27 Mar 2023	23	<10	<20	23	<1	3	56	72	<5	0.19	<0.05	<0.0002	<0.0002	6.2	<0.001	<0.001	0.05	0.05	0.079	0.039	0.45	<0.05	<0.001	<0.001	14	0.17	0.17	0.047	0.047	0.7	<5	<5	0.065	0.065
GS200	03 Apr 2023	23	<10	<20	23	<1	3.8	89	110	5.2	0.23	<0.05	0.0003	0.0002	9.6	<0.001	<0.001	0.081	0.075	0.11	0.039	0.55	<0.05	0.001	<0.001	20	0.25	0.23	0.073	0.067	0.7	7	<5	0.11	0.094
GS200	11 Apr 2023	<20	<10	<20	<20	<1	3.5	47	61	<5	<0.05	<0.05	<0.0002	<0.0002	5	<0.001	<0.001	0.045	0.045	0.036	0.036	<0.05	<0.05	<0.001	<0.001	12	0.15	0.15	0.041	0.041	0.8	<5	<5	0.046	0.046
GS200	17 Apr 2023	23	<10	<20	23	1.9	3.9	46	72	<5	0.16	<0.05	<0.0002	<0.0002	6.1	<0.001	<0.001	0.041	0.033	0.069	0.037	0.41	<0.05	<0.001	<0.001	14	0.14	0.13	0.038	0.038	1	<5	<5	0.051	0.051
GS200	24 Apr 2023	25	<10	<20	25	1.8	2.8	64	72	<5	0.22	<0.05	0.0002	0.0002	6.3	<0.001	<0.001	0.072	0.064	0.098	0.039	0.49	<0.05	0.001	<0.001	14	0.22	0.2	0.065	0.06	0.6	6	<5	0.1	0.1

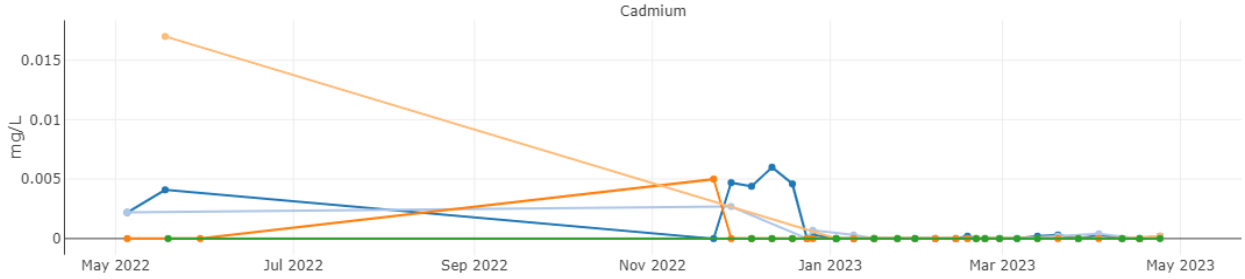
Date	Site 5	GS200	Site 1
24/12/2022	0.006	0.049	0.065
24/12/2022	0.006	0.049	
26/12/2022	0.005	0.061	0.21
3/01/2023	0.002	0.039	0.037
9/01/2023	0.004	0.065	0.075
16/01/2023	0.002	0.079	0.066
24/01/2023	0.003	0.041	0.042
30/01/2023	0.002	0.028	0.031
06 Feb 2023	0.001	0.029	0.033
13 Feb 2023	0.002	0.025	0.022
17 Feb 2023	0.002	0.034	0.033
20 Feb 2023	0.002	0.035	0.032
23 Feb 2023	0.006	0.031	0.03
28 Feb 2023	<0.001	0.014	0.012
06 Mar 2023	0.001	0.065	0.07
13 Mar 2023	0.002	0.065	0.07
20 Mar 2023	0.001	0.047	0.048
27 Mar 2023	0.002	0.039	0.037
03 Apr 2023	0.002	0.039	0.061
11 Apr 2023	0.003	0.036	0.037
17 Apr 2023	<0.001	0.037	0.029
24 Apr 2023	0.002	0.039	0.044

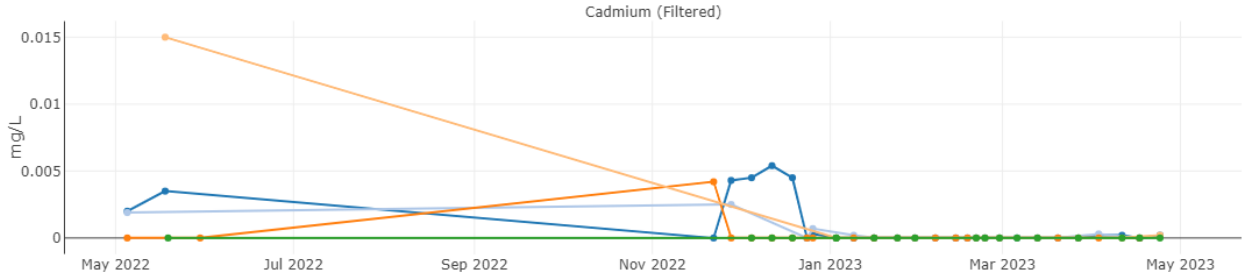


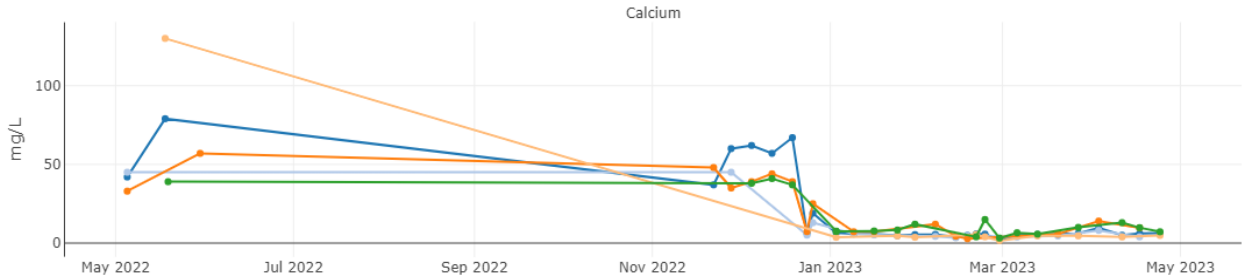
APPENDIX C- GRAPHS OF FIELD AND LABORATORY DATA BY MONITORING SITE

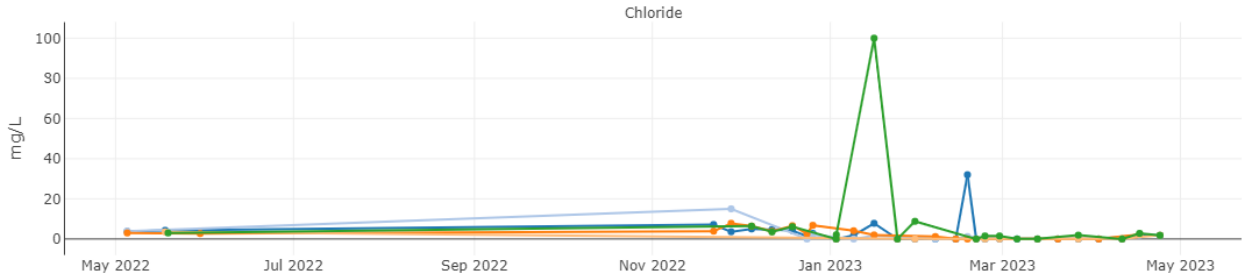

Chemistry Graph
GS200
SITE 1
Site 5
SITE1
SITE5
Alkalinity (Bicarbonate as CaCO3)
mg/L
Alkalinity (Carbonate as CaCO3)
mg/L
Alkalinity (Hydroxide) as CaCO3
mg/L
Alkalinity (total) as CaCO3
mg/L
Aluminium
mg/L
Aluminium (Filtered)
mg/L
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

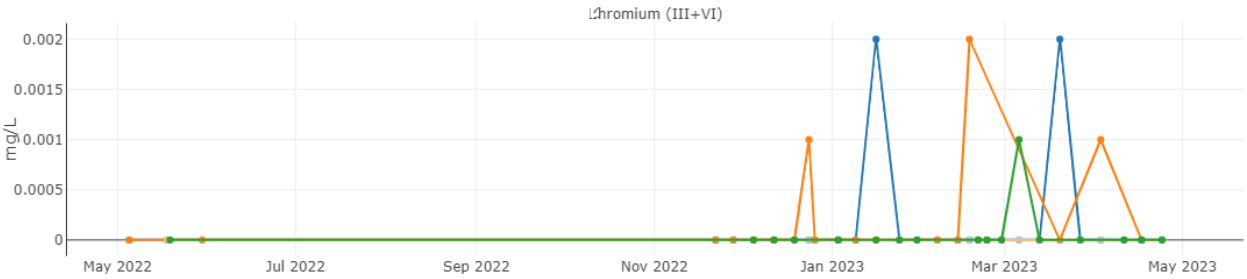

Ammonia as N
mg/L
1
0.5
0
−0.5
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

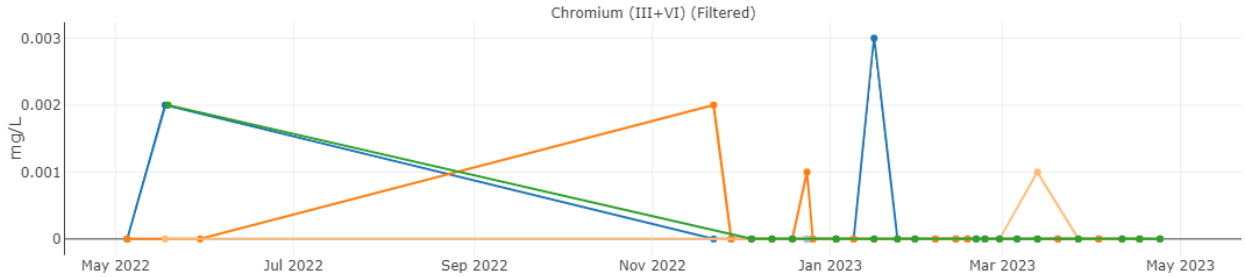

Cadmium
mg/L
0.015
0.01
0.005
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

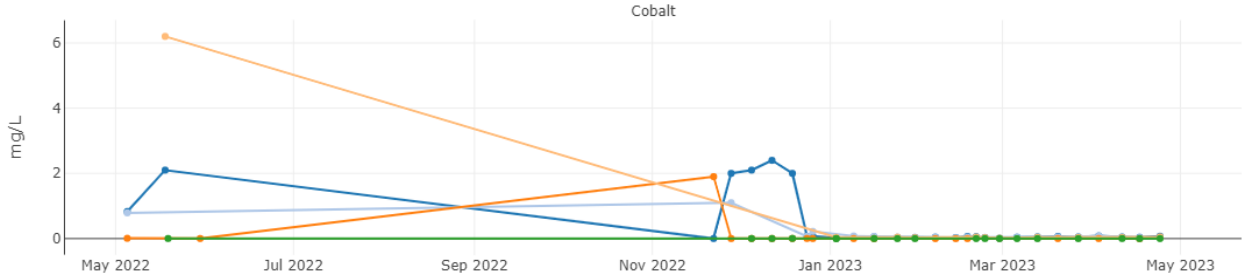

Cadmium (Filtered)
mg/L
0.015
0.01
0.005
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

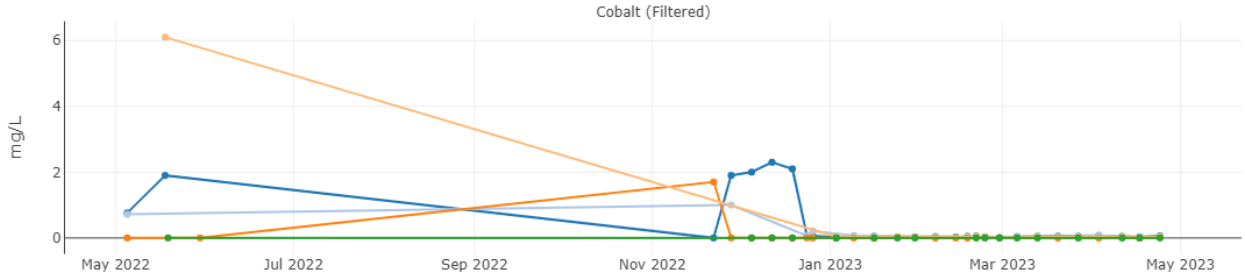

Calcium
mg/L
100
50
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

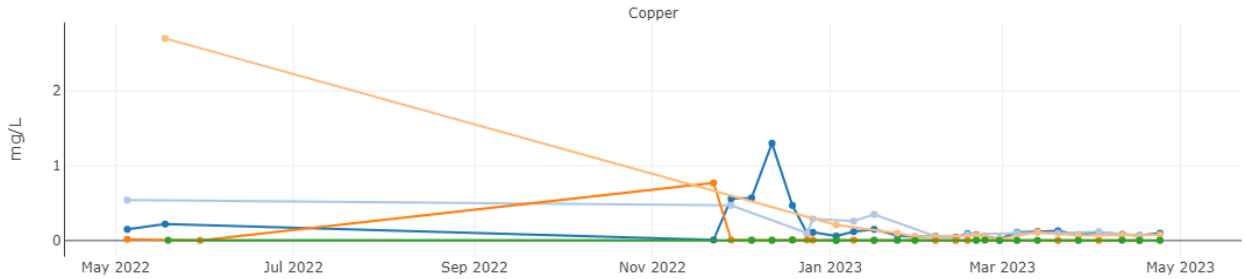

Chloride
mg/L
100
80
60
40
20
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

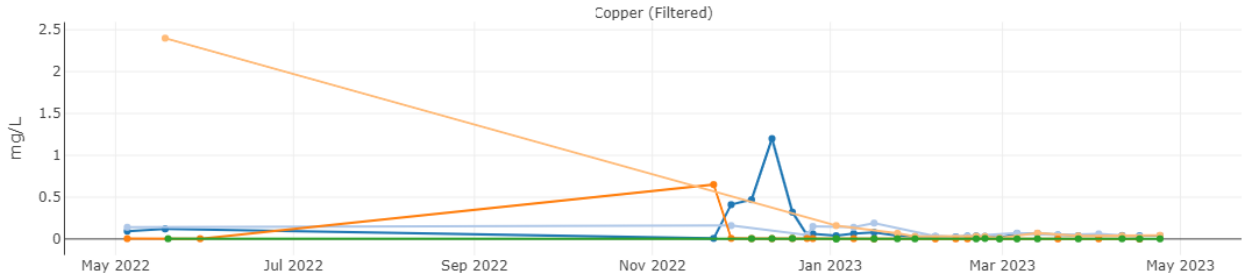

Chromium (III+VI)
mg/L
0.002
0.0015
0.001
0.0005
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

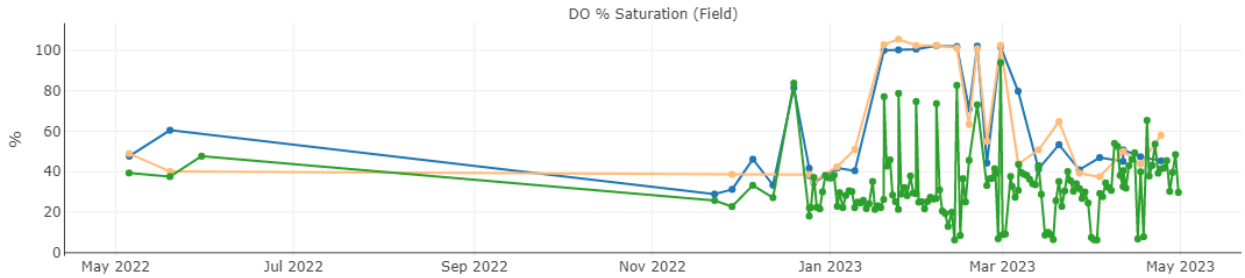

Chromium (III+VI) (Filtered)
mg/L
0.003
0.002
0.001
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

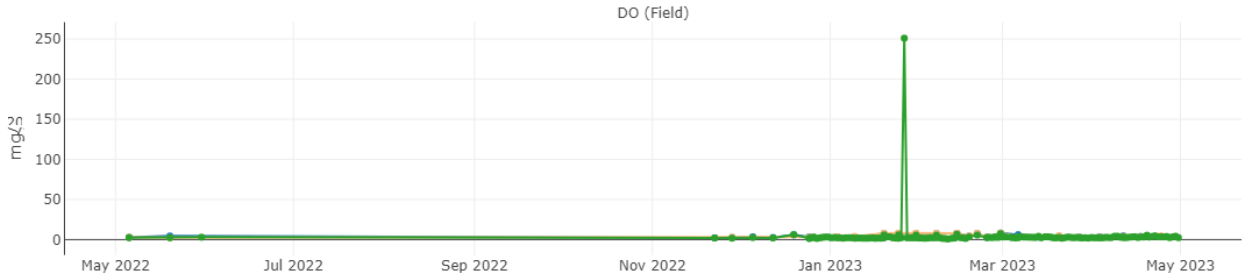

Cobalt
mg/L
6
4
2
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

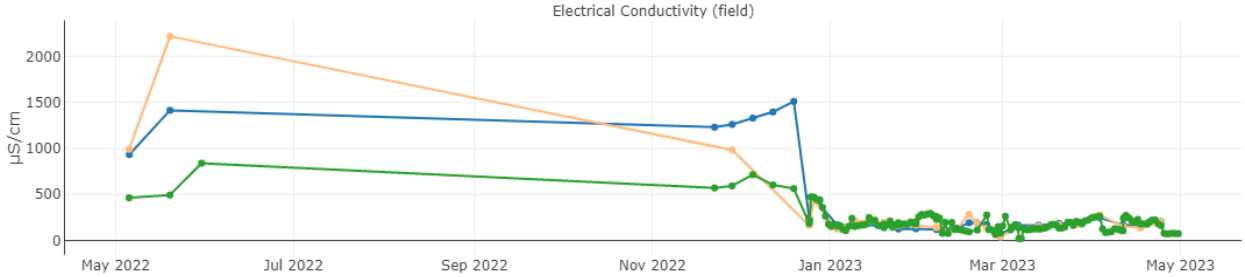

Cobalt (Filtered)
mg/L
6
4
2
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

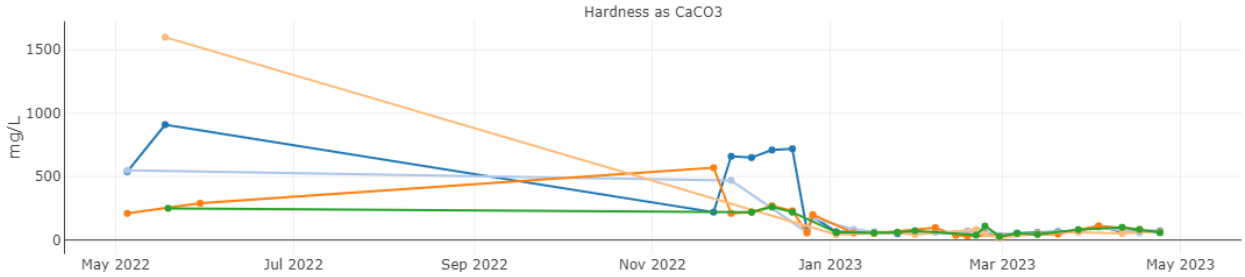

Copper
mg/L
2
1
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

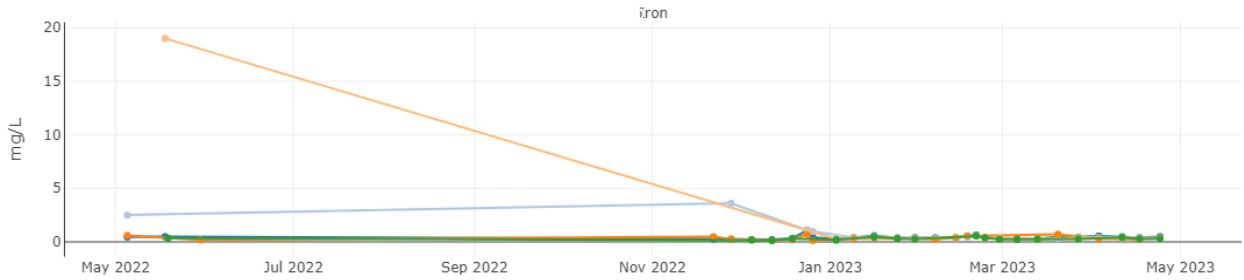

Copper (Filtered)
mg/L
2.5
2
1.5
1
0.5
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

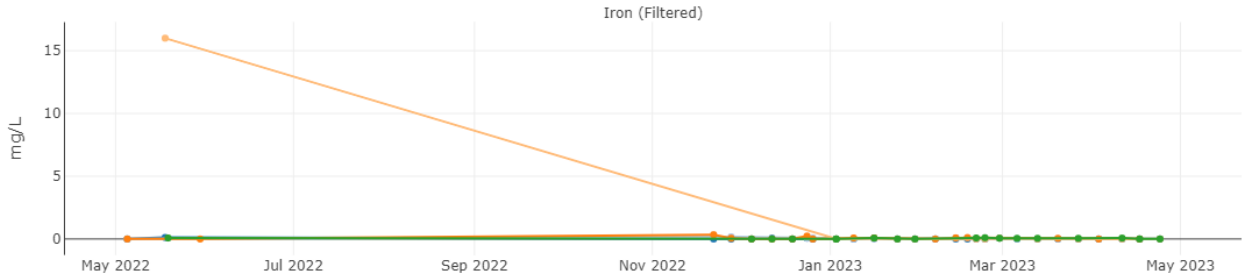

DO % Saturation (Field)
%
100
80
60
40
20
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

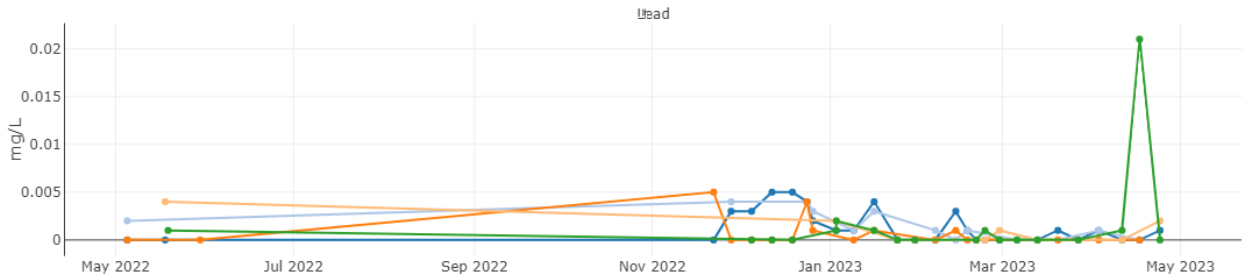

DO (Field)
mg/L
250
200
150
100
50
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

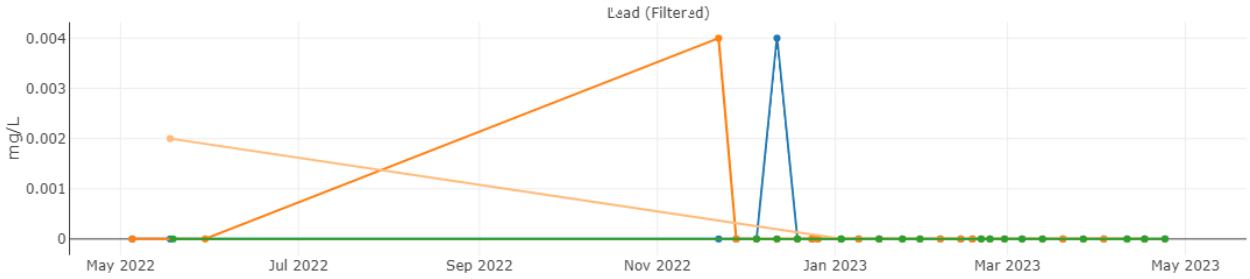

Electrical Conductivity (field)
µS/cm
2000
1500
1000
500
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

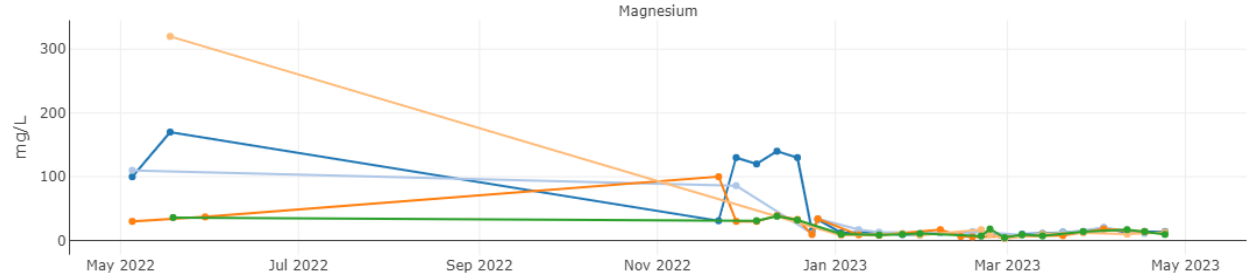

Hardness as CaCO3
mg/L
1500
1000
500
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

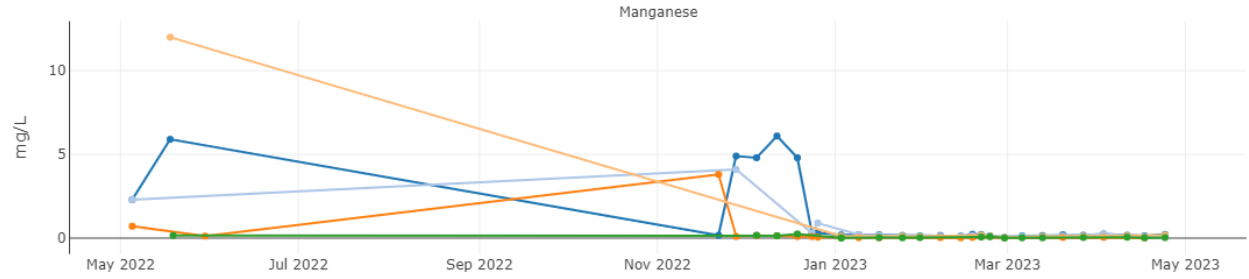

Iron
mg/L
20
15
10
5
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

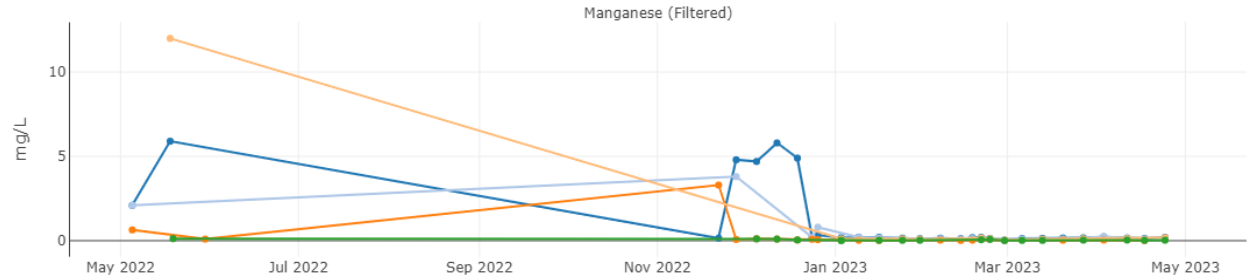

Iron (Filtered)
mg/L
15
10
5
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

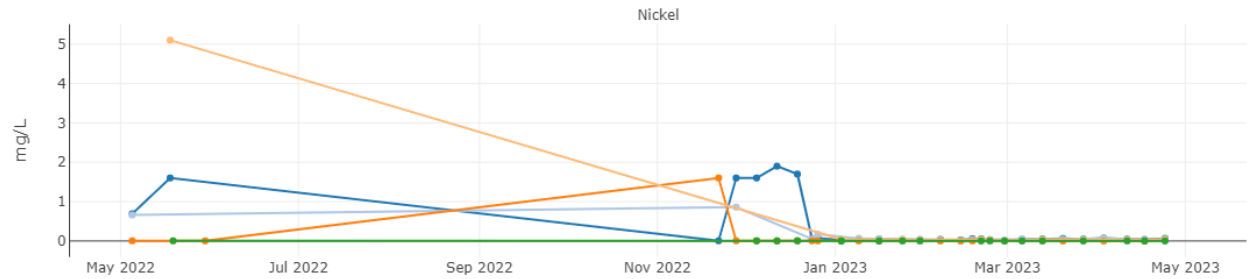

Lead
mg/L
0.02
0.015
0.01
0.005
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

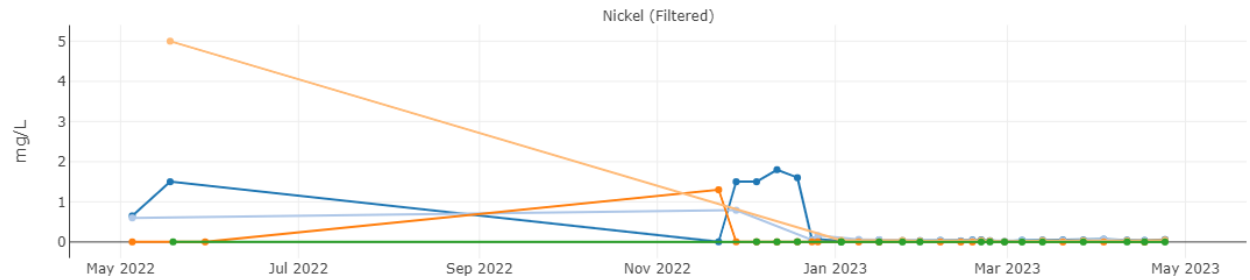

Lead (Filtered)
mg/L
0.004
0.003
0.002
0.001
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

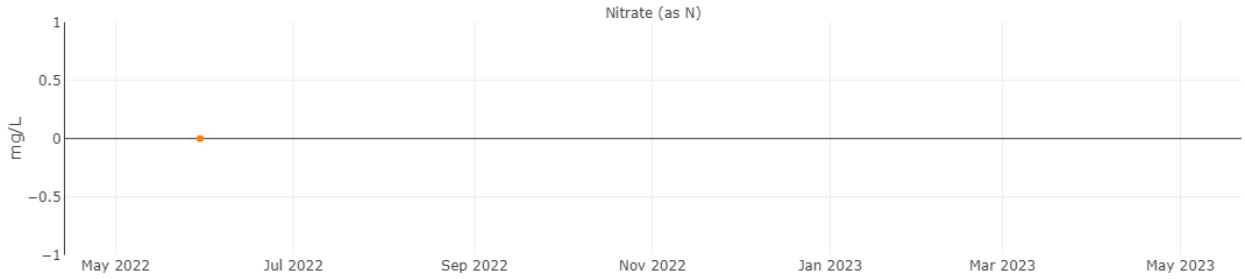

Magnesium
mg/L
300
200
100
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

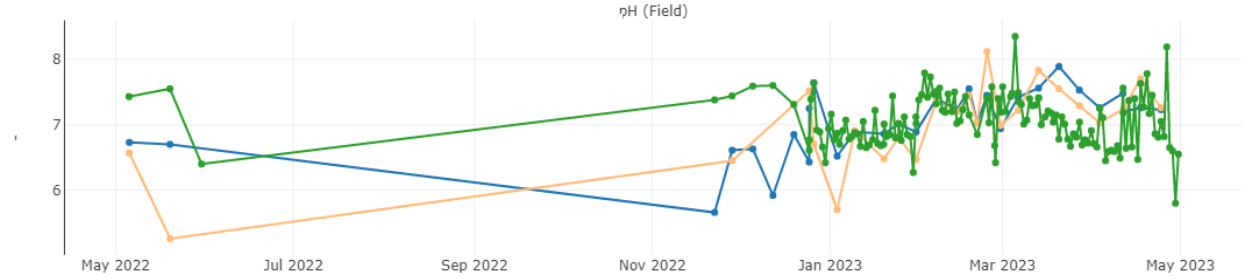

Manganese
mg/L
10
5
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

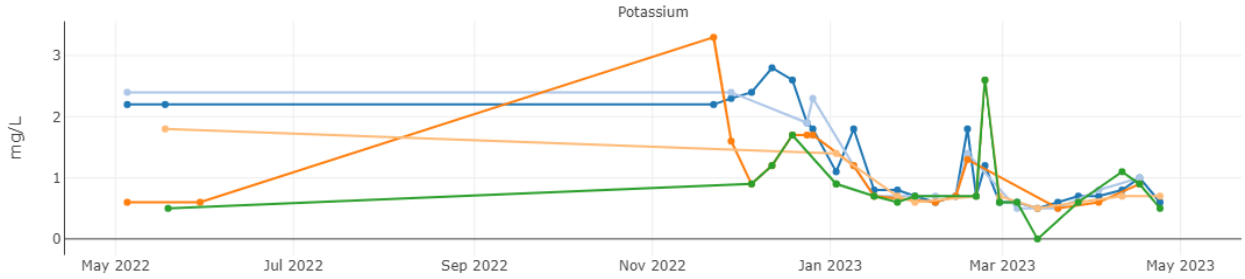

Manganese (Filtered)
mg/L
10
5
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

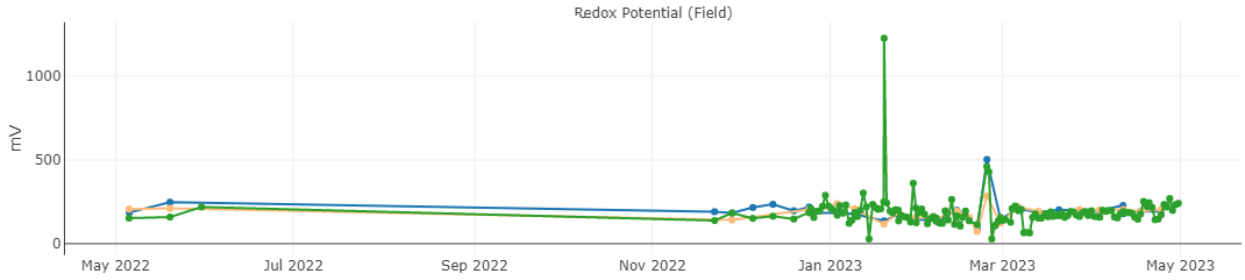

Nickel
mg/L
5
4
3
2
1
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

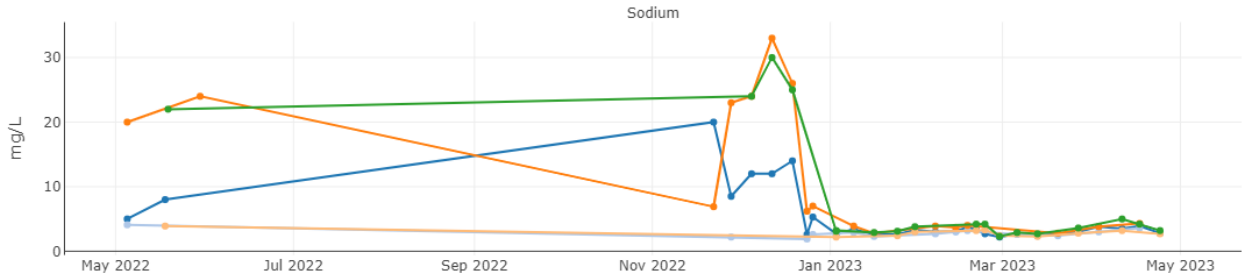

Nickel (Filtered)
mg/L
5
4
3
2
1
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

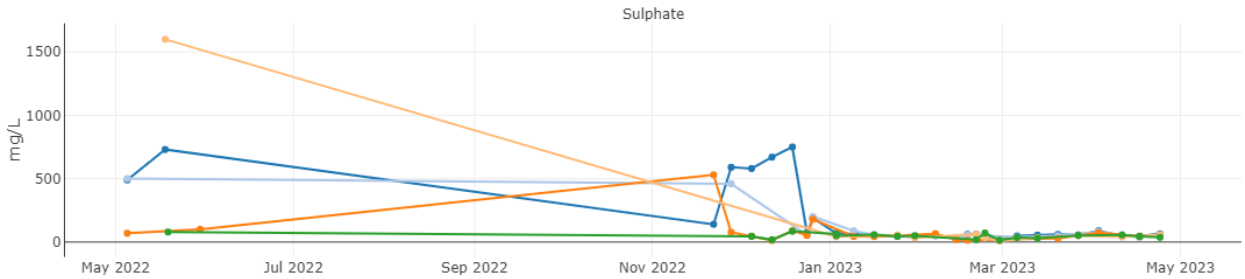

Nitrate (as N)
mg/L
1
0.5
0
−0.5
−1
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

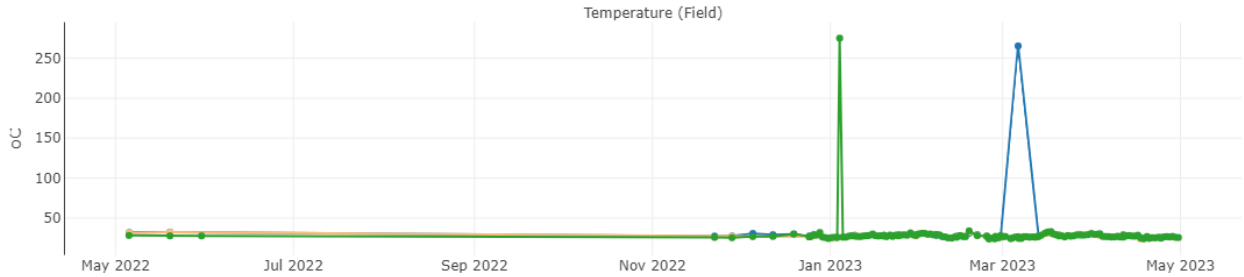

pH (Field)
-
8
7
6
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

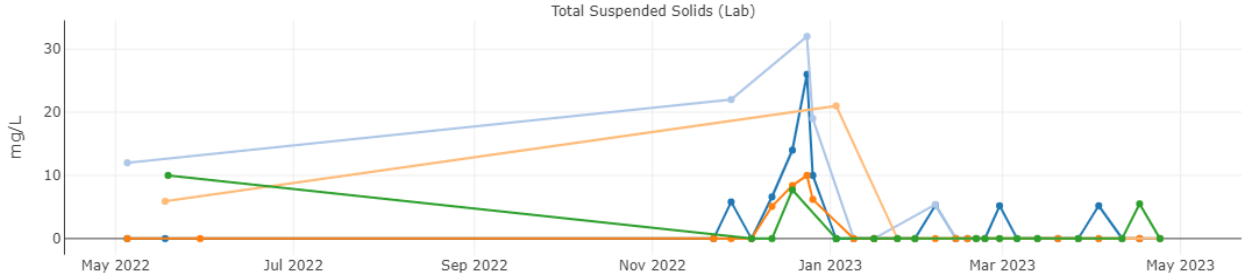

Potassium
mg/L
3
2
1
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

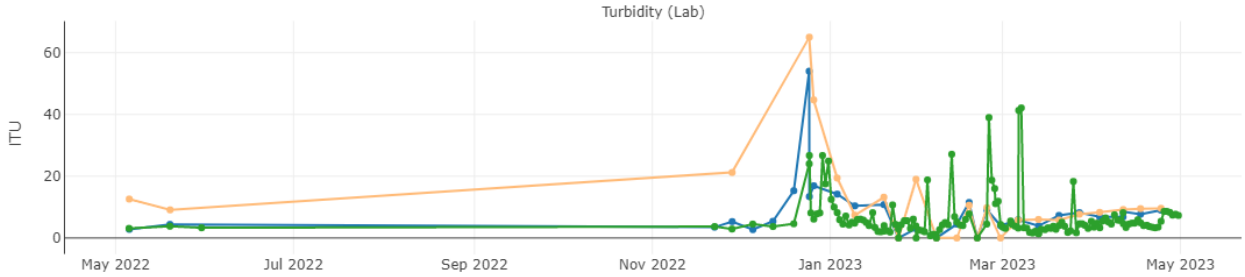

Redox Potential (Field)
mV
1000
500
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

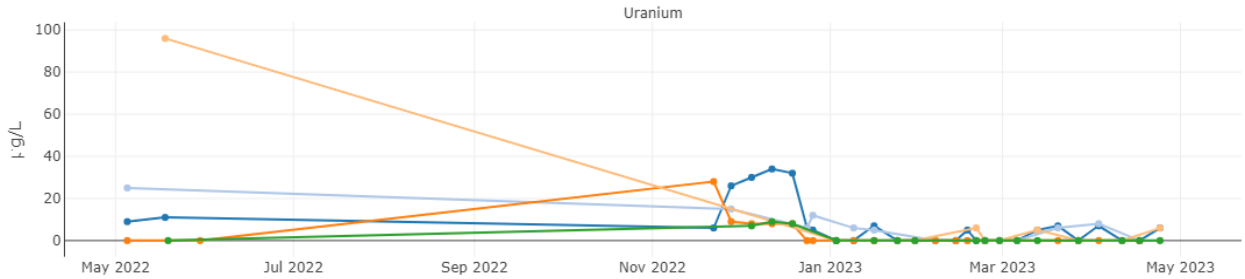

Sodium
mg/L
30
20
10
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

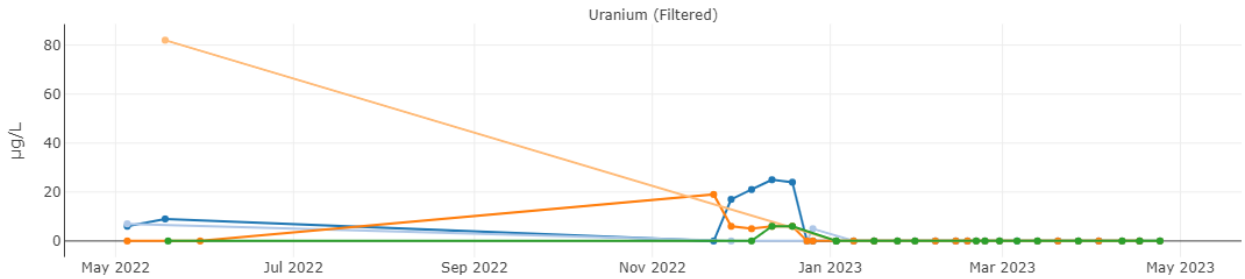

Sulphate
mg/L
1500
1000
500
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

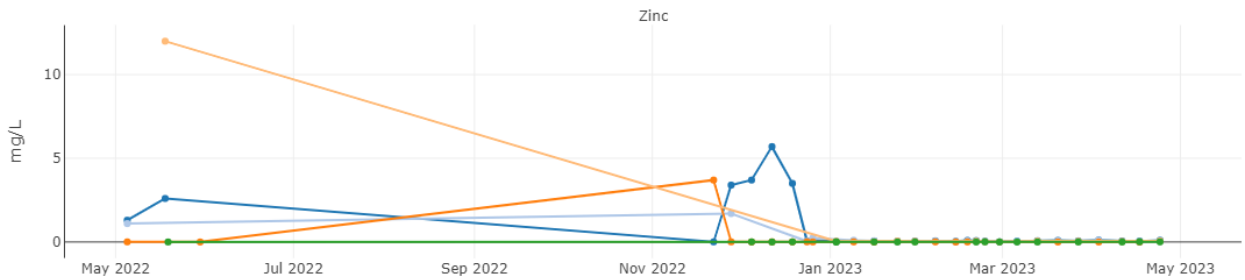

Temperature (Field)
oC
250
200
150
100
50
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

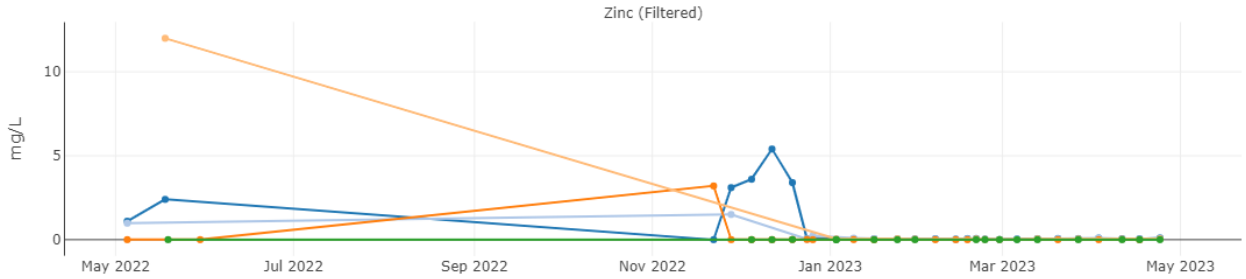

Total Suspended Solids (Lab)
mg/L
30
20
10
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023


Turbidity (Lab)
ITU
60
40
20
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023


Uranium
µg/L
100
80
60
40
20
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

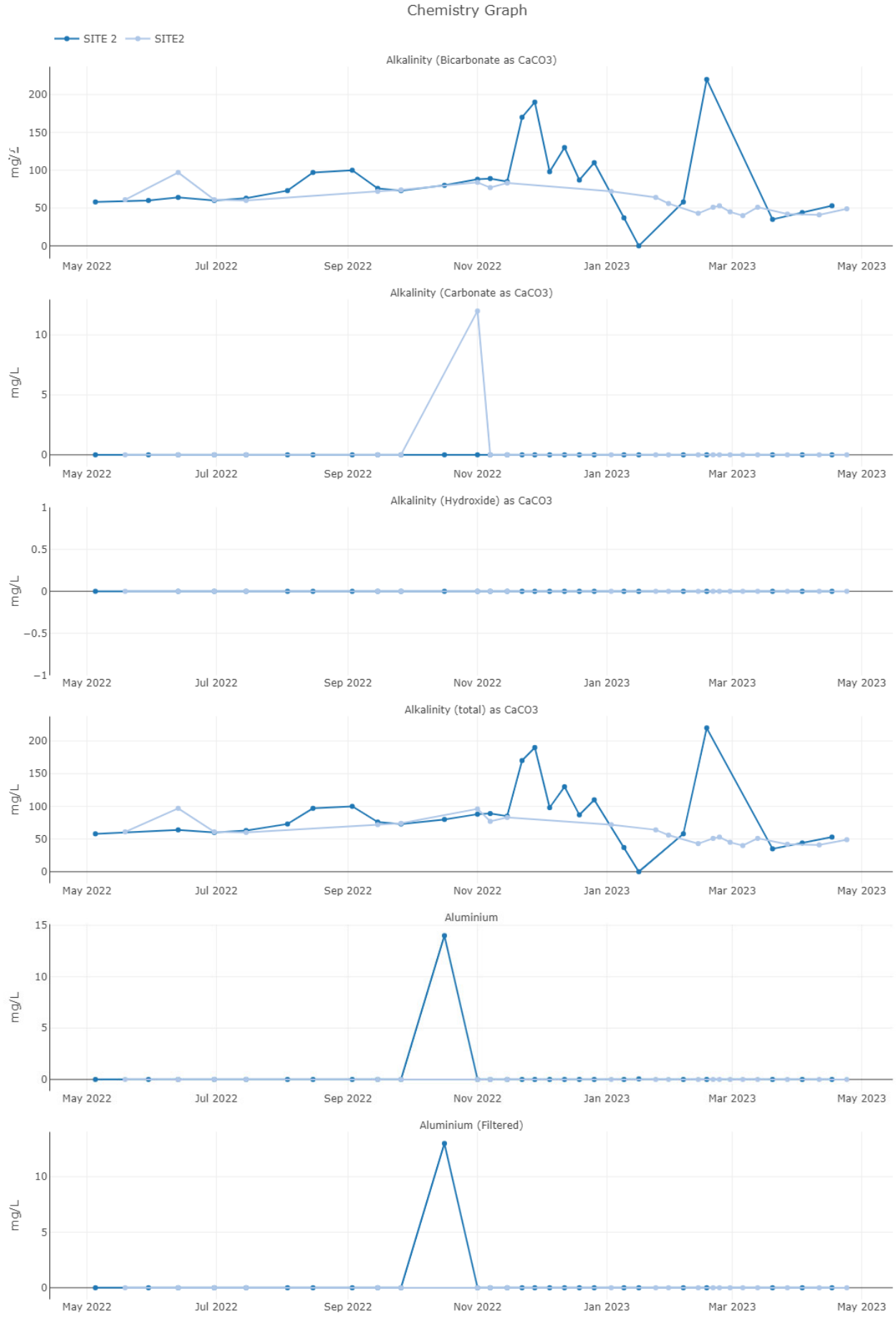

Uranium (Filtered)
µg/L
80
60
40
20
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

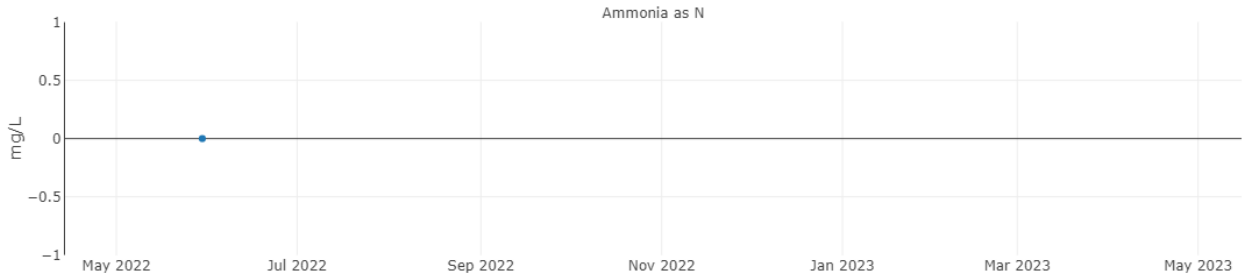

Zinc
mg/L
10
5
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

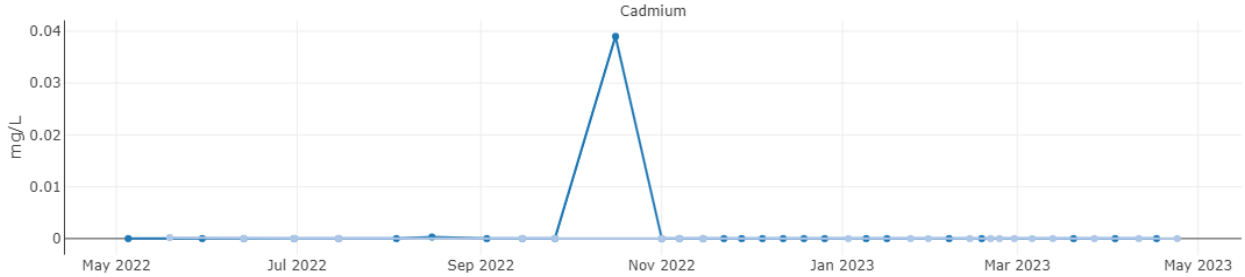


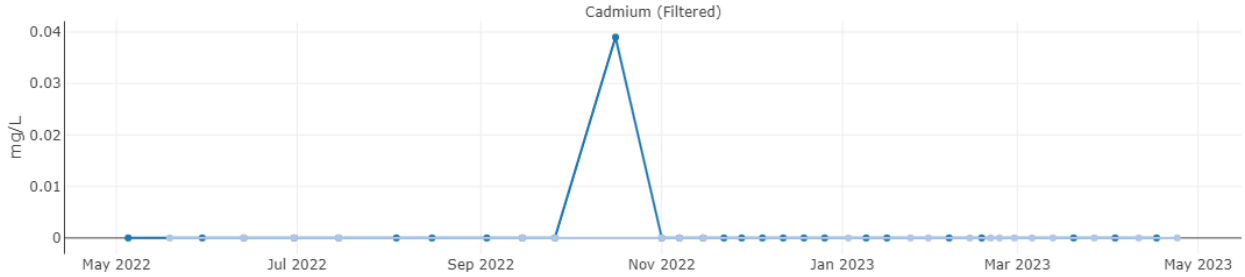
The report was generated based on the following filter:
Sampled Date between "01 May 2022" and "30 Apr 2023",
Locations In "GS200,SITE 1,Site 5,SITE1,SITE5"

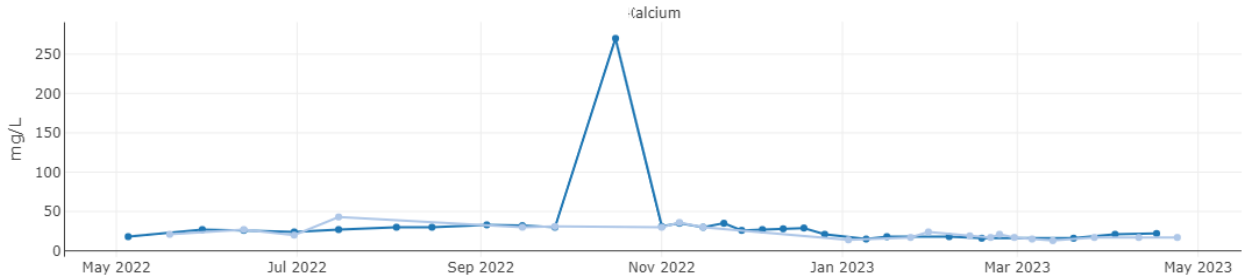
Publication Date: 04 May 2023

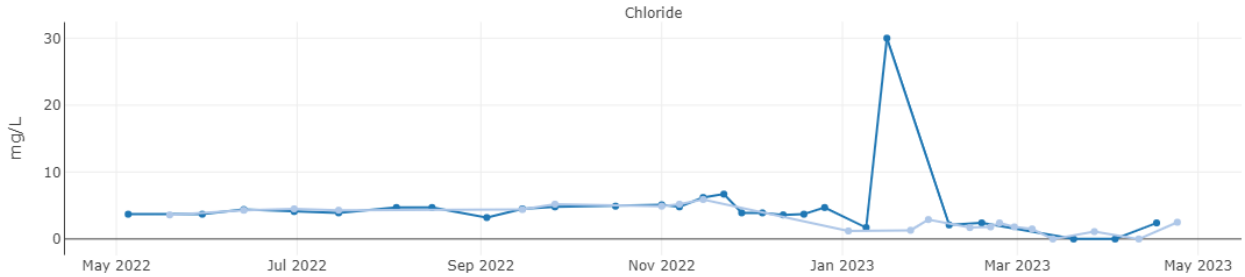

Chemistry Graph
SITE 2
SITE2
Alkalinity (Bicarbonate as CaCO3)
mg/L
Alkalinity (Carbonate as CaCO3)
mg/L
Alkalinity (Hydroxide) as CaCO3
mg/L
Alkalinity (total) as CaCO3
mg/L
Aluminium
mg/L
Aluminium (Filtered)
mg/L
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

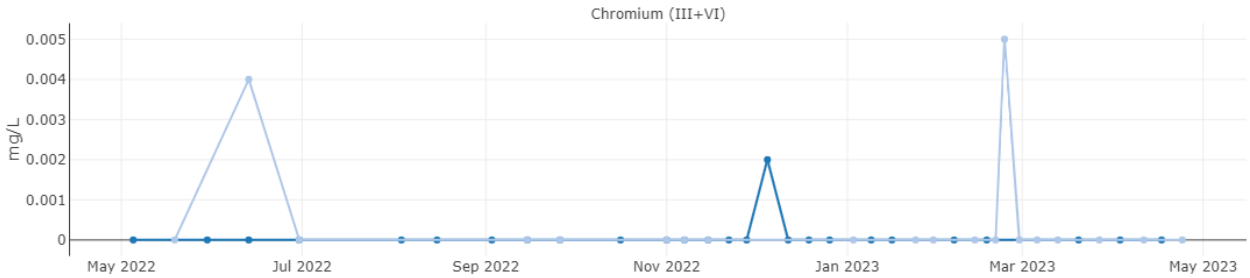

Ammonia as N
mg/L
1
0.5
0
−0.5
−1
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

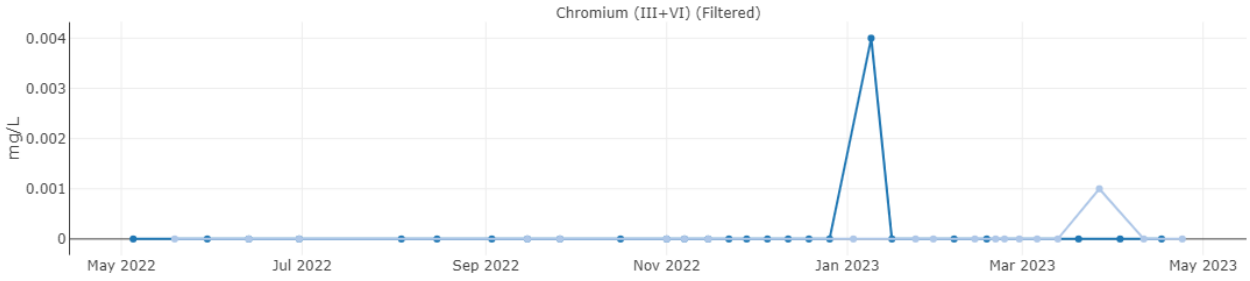

Cadmium
mg/L
0.04
0.03
0.02
0.01
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

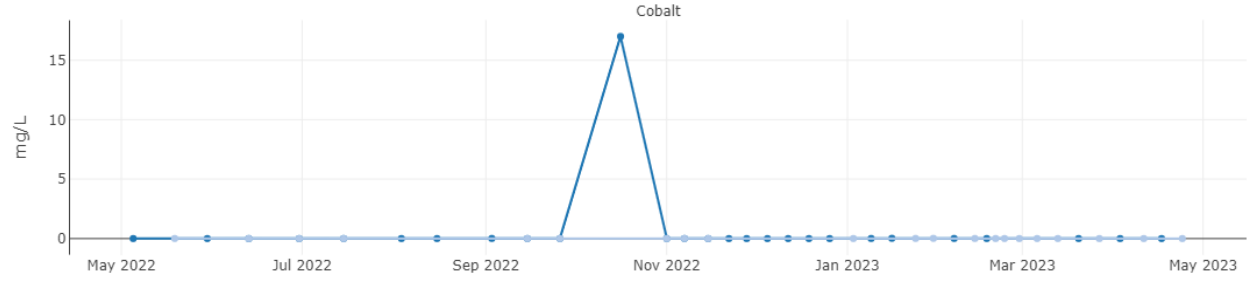

Cadmium (Filtered)
mg/L
0.04
0.03
0.02
0.01
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

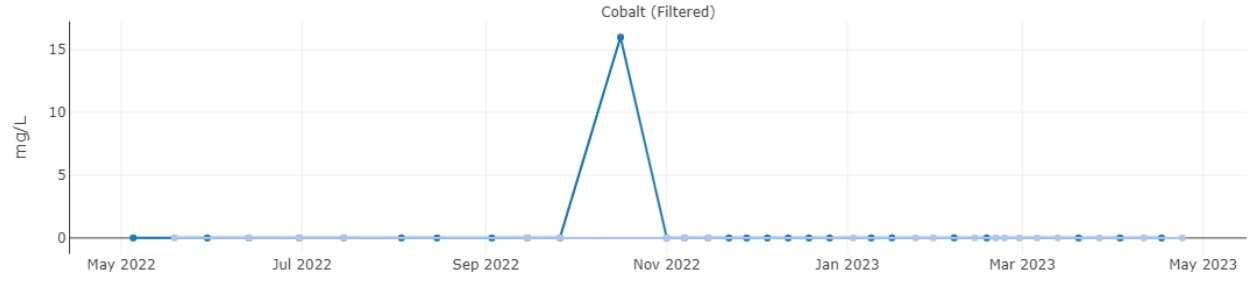

Calcium
mg/L
250
200
150
100
50
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

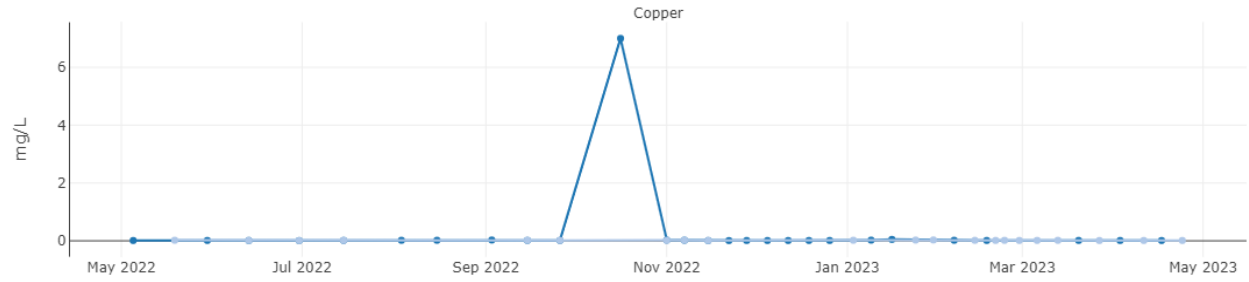

Chloride
mg/L
30
20
10
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

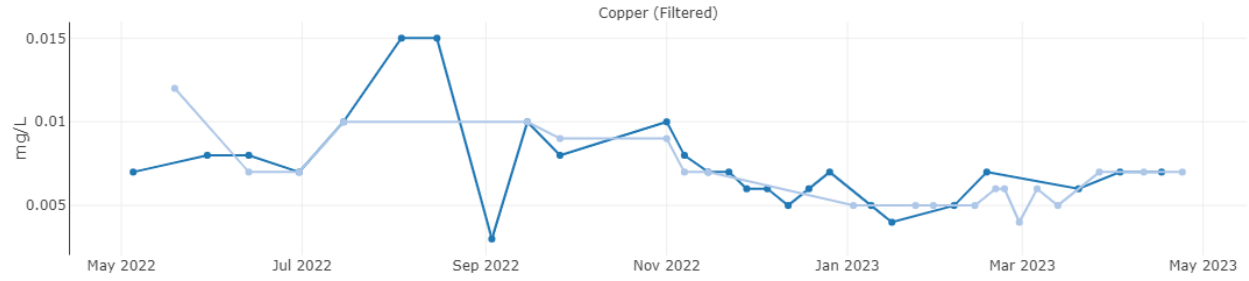

Chromium (III+VI)
mg/L
0.005
0.004
0.003
0.002
0.001
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

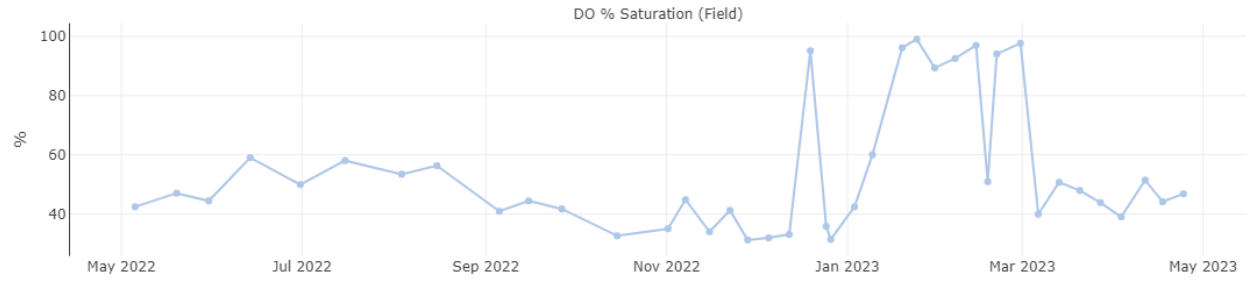

Chromium (III+VI) (Filtered)
mg/L
0.004
0.003
0.002
0.001
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

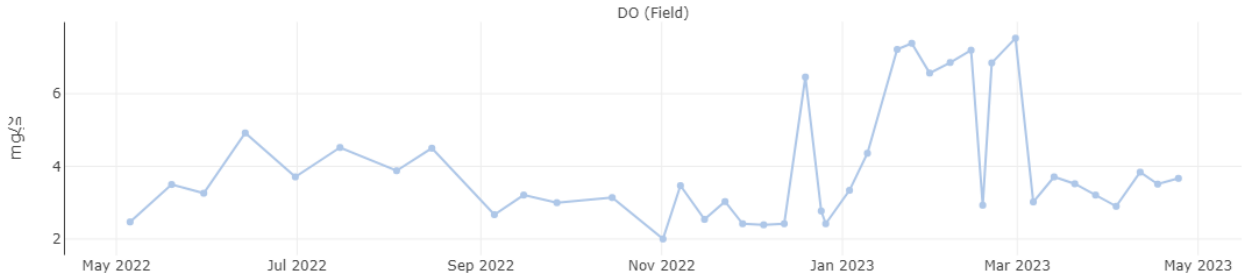

Cobalt
mg/L
15
10
5
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

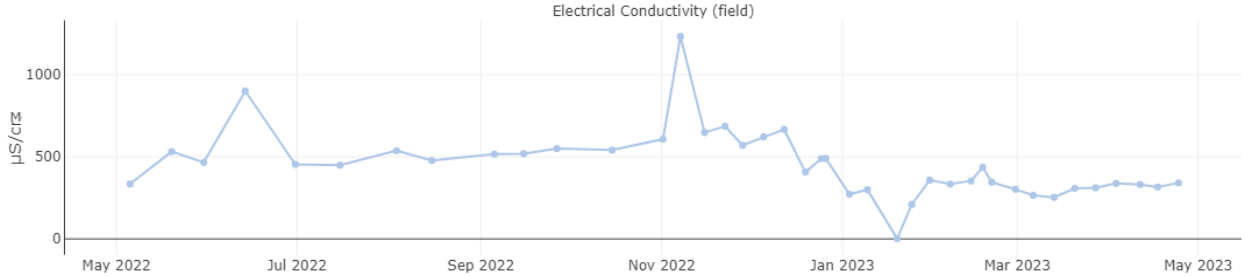

Cobalt (Filtered)
mg/L
15
10
5
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

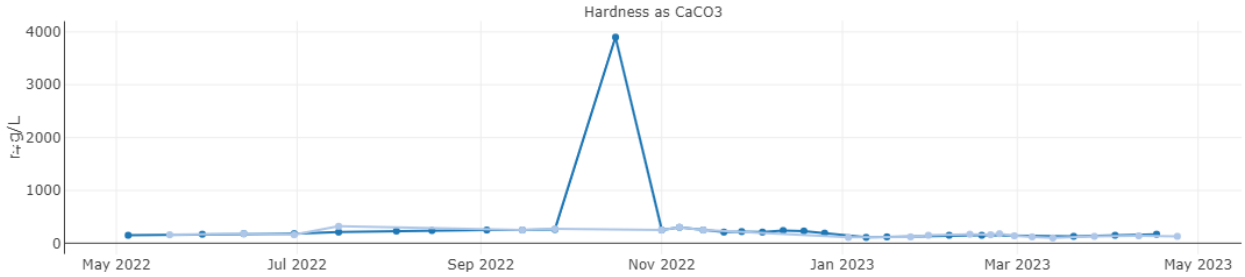

Copper
mg/L
6
4
2
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

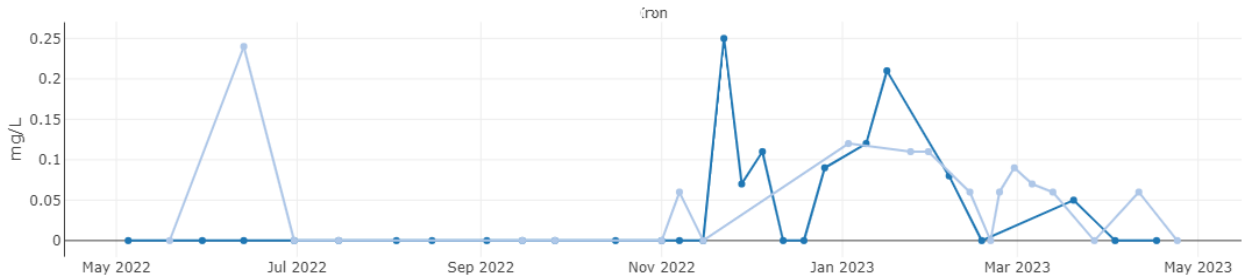

Copper (Filtered)
mg/L
0.015
0.01
0.005
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

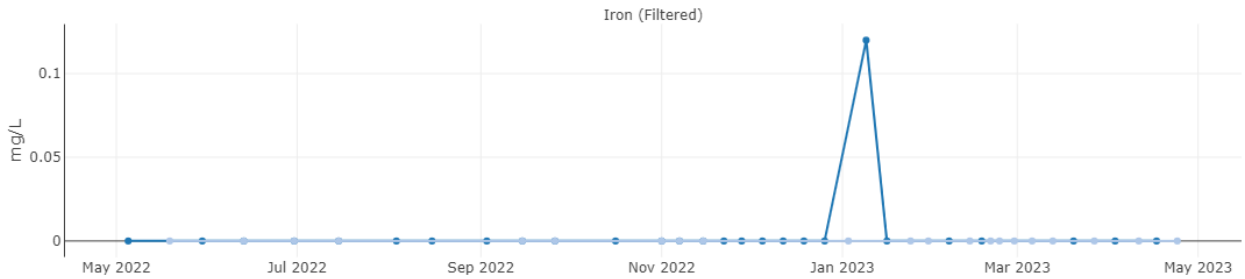

DO % Saturation (Field)
%
100
80
60
40
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

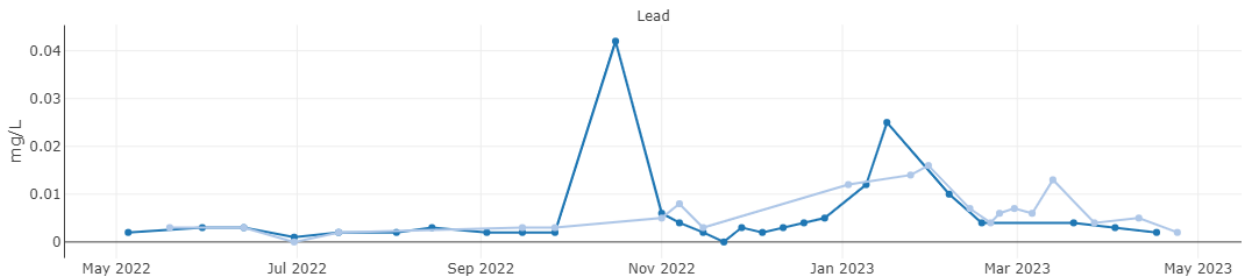

DO (Field)
mg/L
6
4
2
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

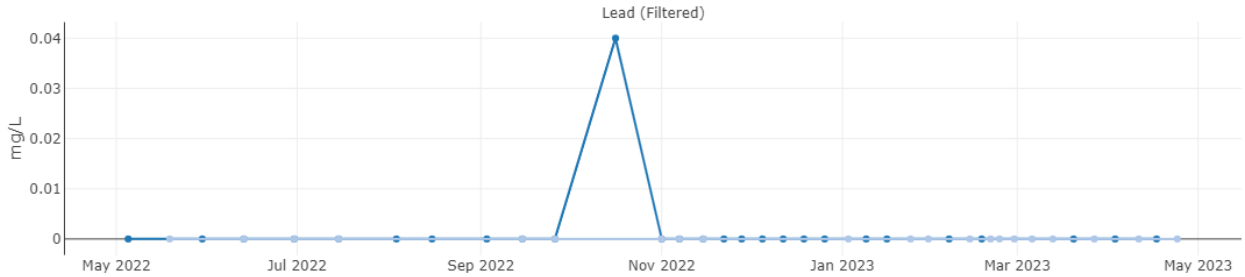

Electrical Conductivity (field)
µS/cm
1000
500
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

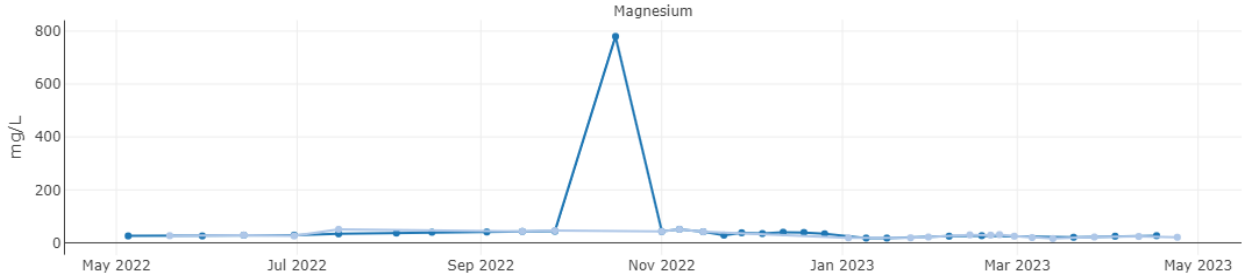

Hardness as CaCO3
mg/L
4000
3000
2000
1000
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

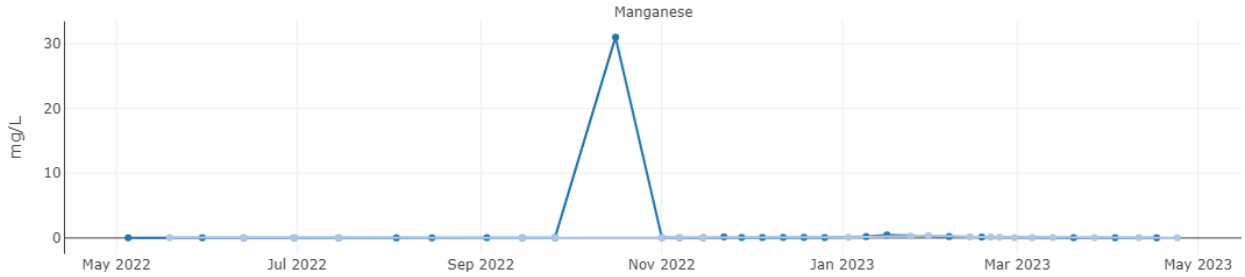

Iron
mg/L
0.25
0.2
0.15
0.1
0.05
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

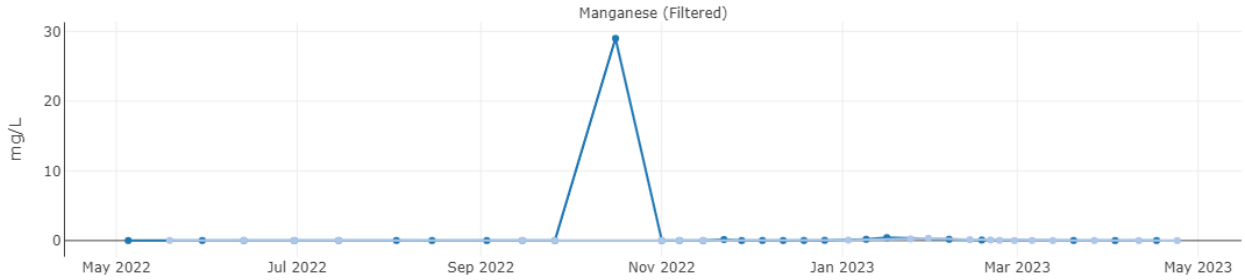

Iron (Filtered)
mg/L
0.1
0.05
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

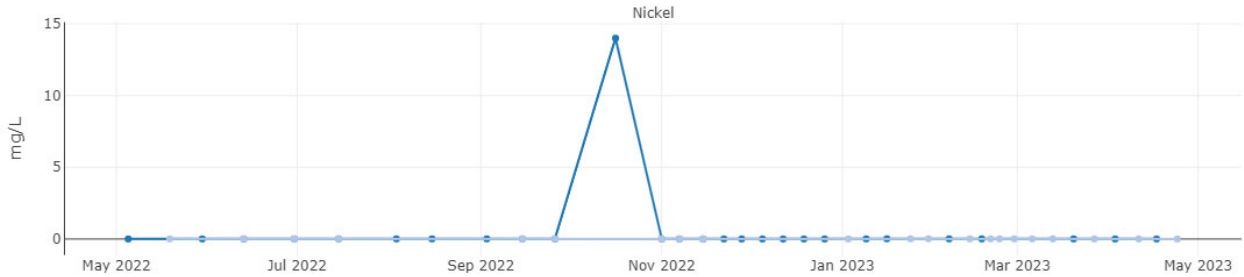

Lead
mg/L
0.04
0.03
0.02
0.01
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

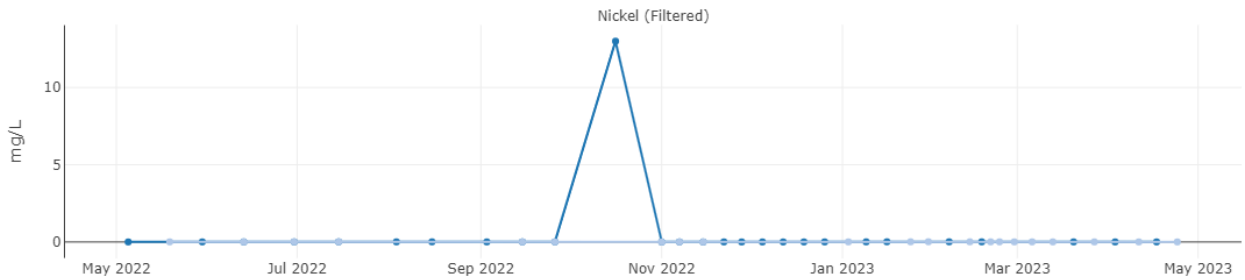

Lead (Filtered)
mg/L
0.04
0.03
0.02
0.01
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

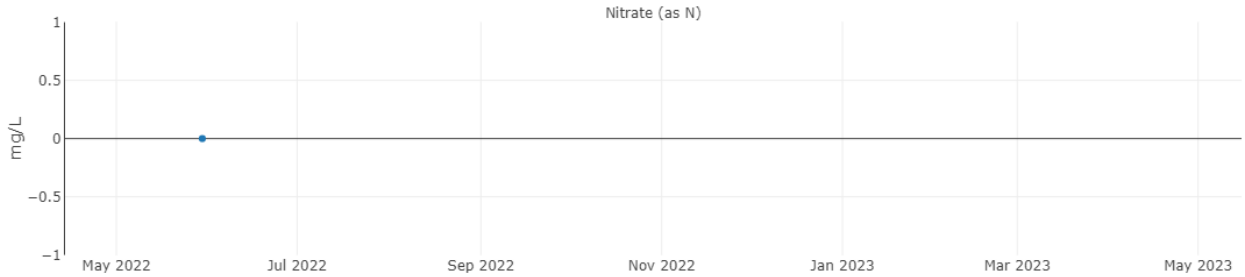

Magnesium
mg/L
800
600
400
200
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

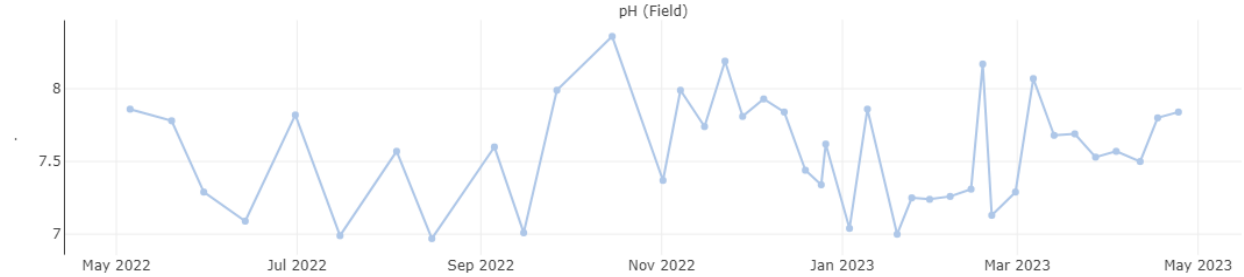

Manganese
mg/L
30
20
10
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

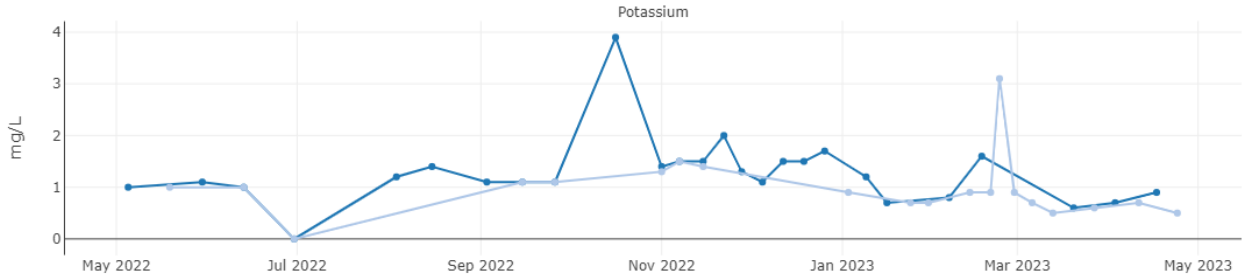

Manganese (Filtered)
mg/L
30
20
10
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

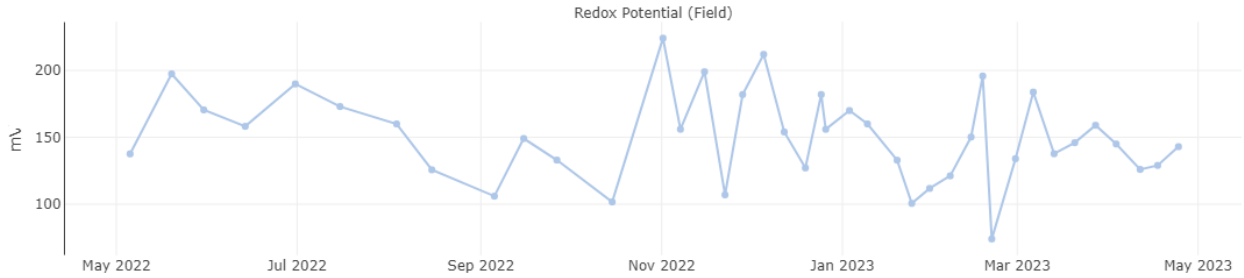

Nickel
mg/L
15
10
5
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

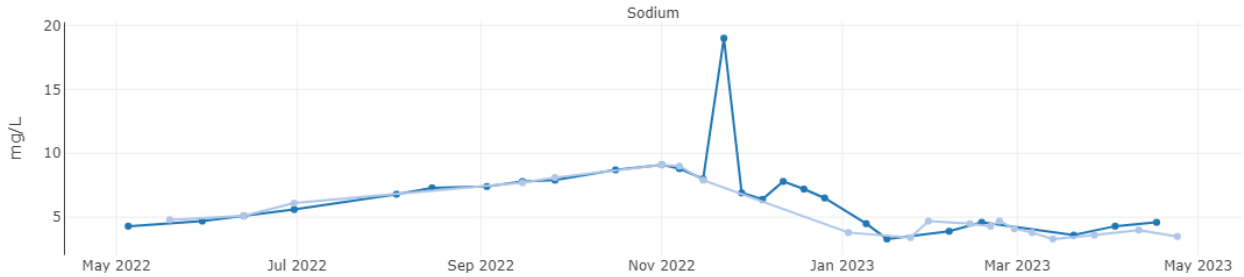

Nickel (Filtered)
mg/L
10
5
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

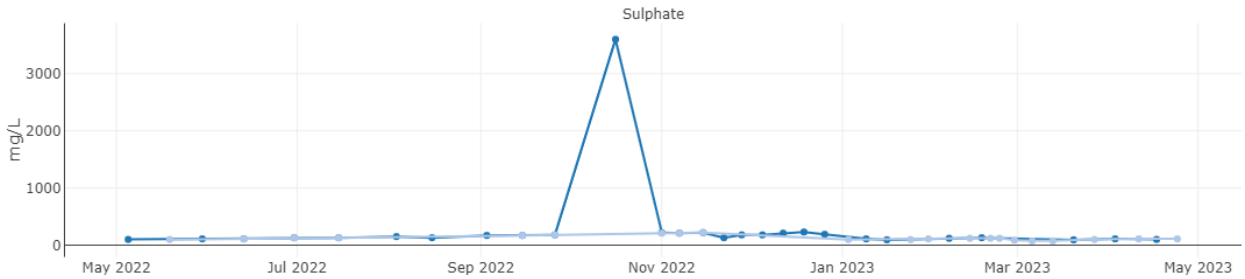

Nitrate (as N)
mg/L
1
0.5
0
−0.5
−1
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

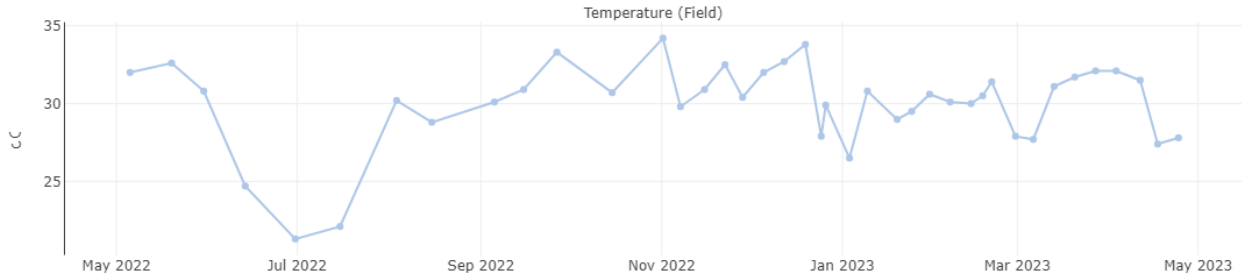

pH (Field)
8
7.5
7
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

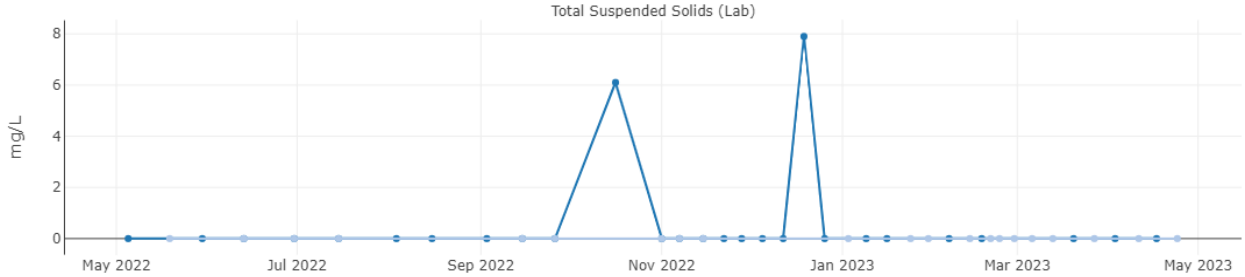

Potassium
mg/L
4
3
2
1
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

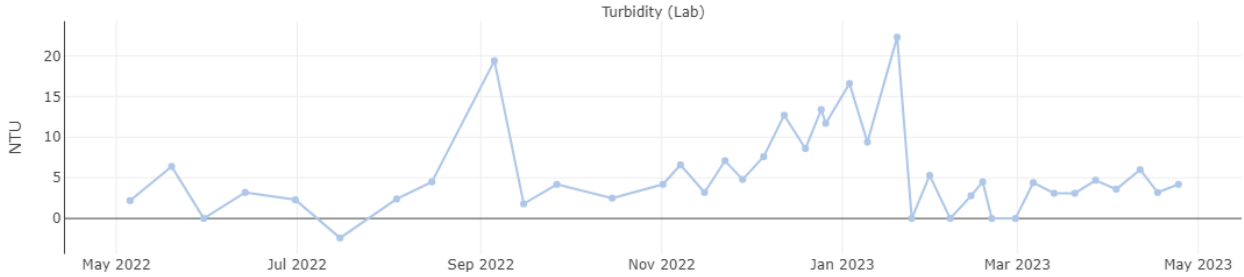

Redox Potential (Field)
mV
200
150
100
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

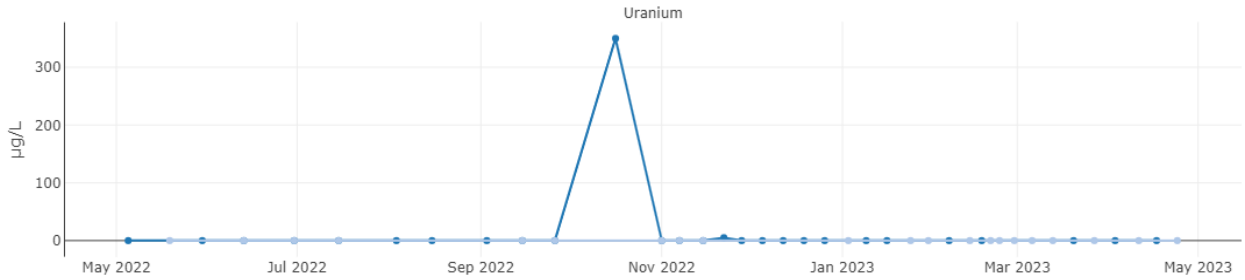

Sodium
mg/L
20
15
10
5
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

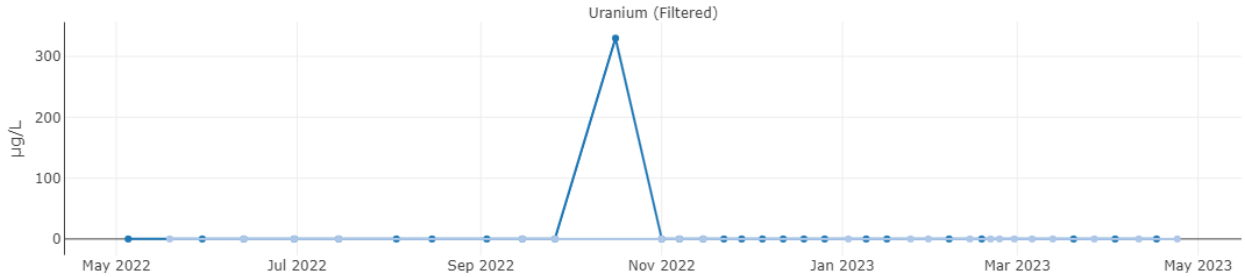

Sulphate
mg/L
3000
2000
1000
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

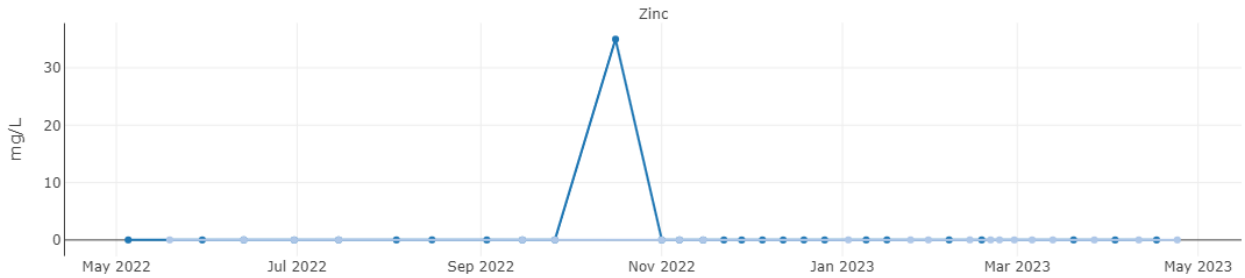

Temperature (Field)
35
30
25
°C
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

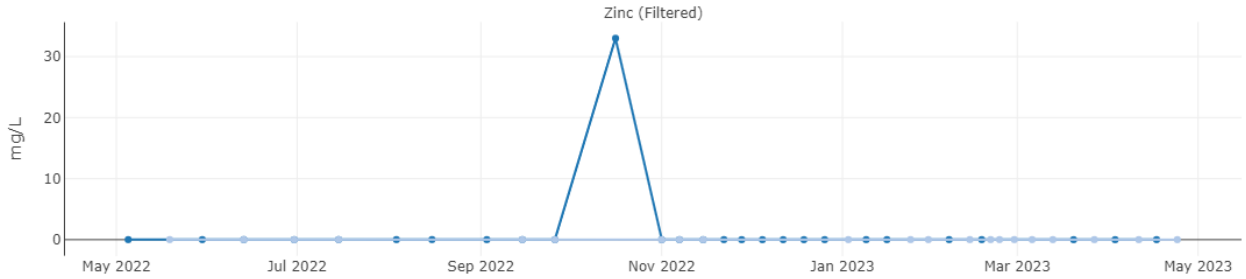

Total Suspended Solids (Lab)
8
6
4
2
0
mg/L
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023


Turbidity (Lab)
20
15
10
5
0
NTU
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023


Uranium
300
200
100
0
µg/L
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

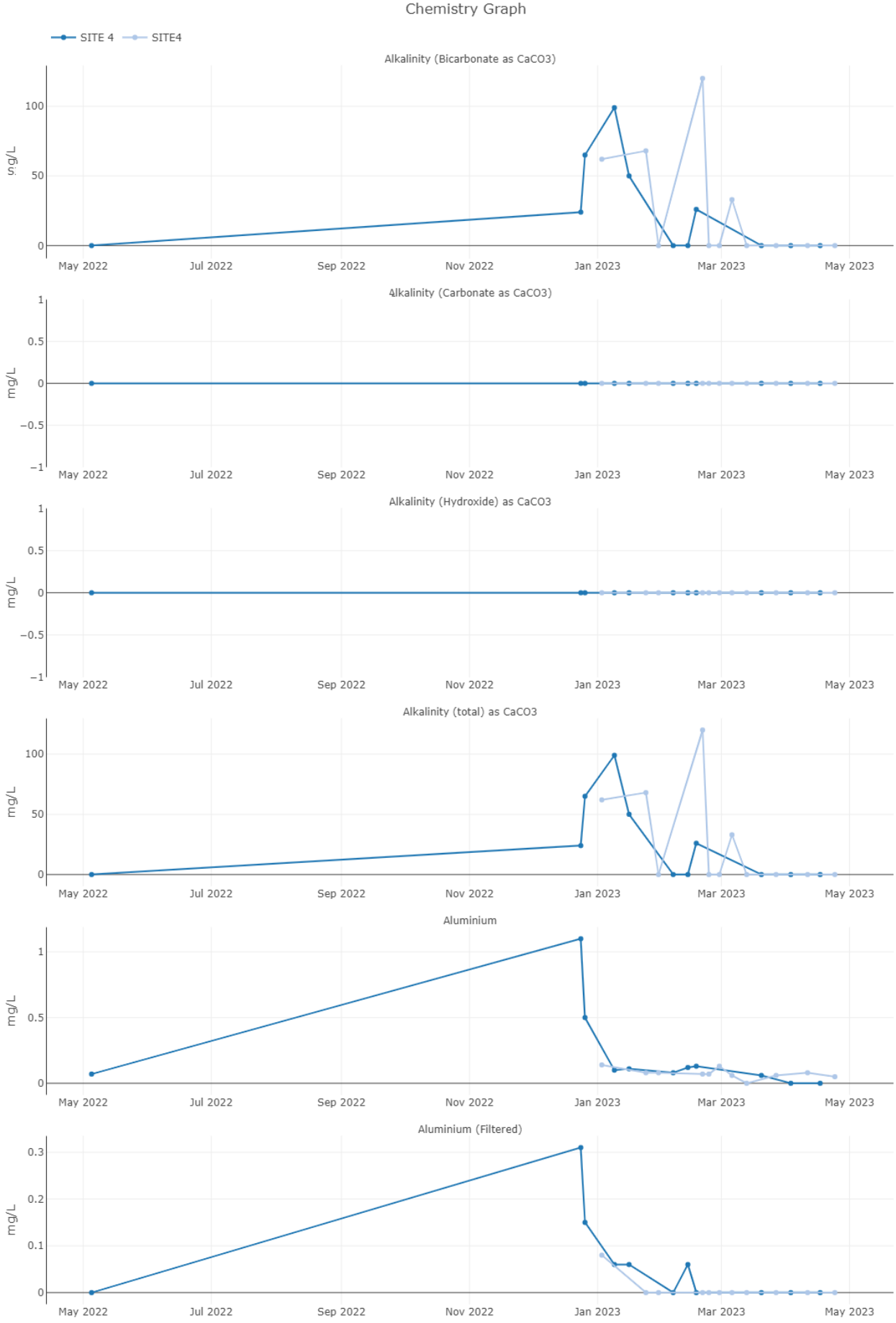

Uranium (Filtered)
300
200
100
0
µg/L
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

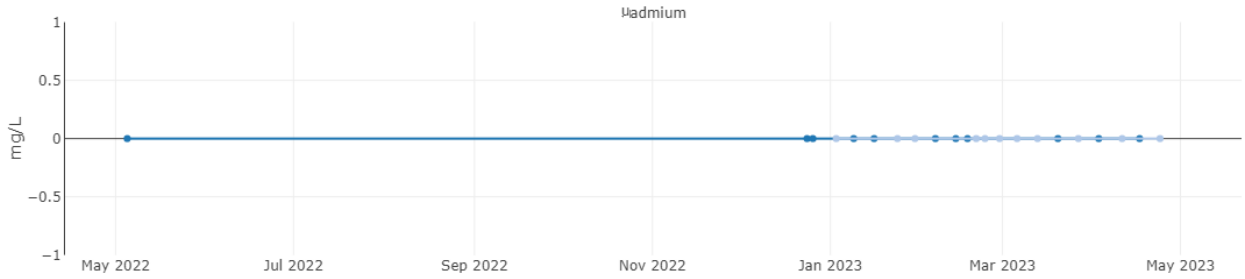

Zinc
30
20
10
0
mg/L
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

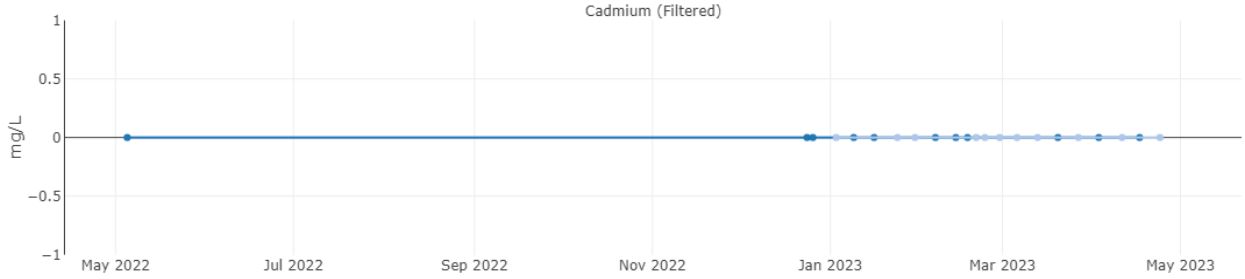


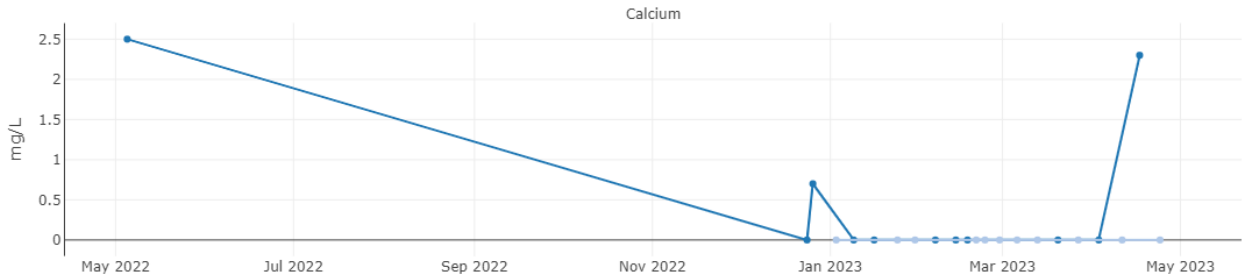
The report was generated based on the following filter:
Sampled Date between "01 May 2022" and "30 Apr 2023",
Locations In "SITE 2,SITE2"

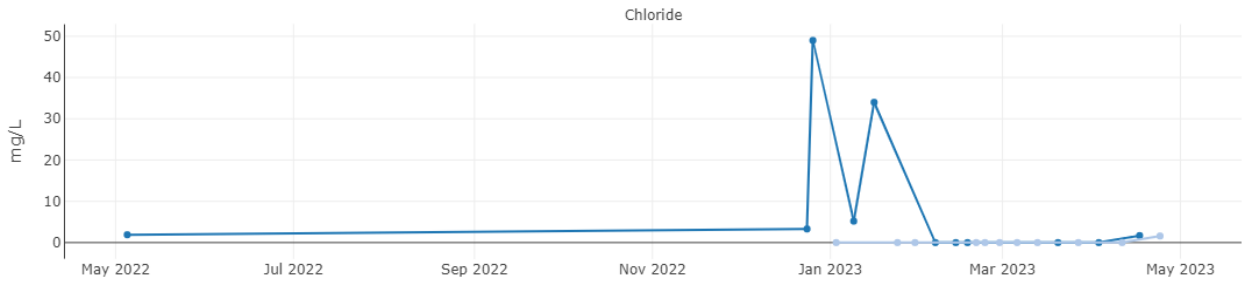
Publication Date: 04 May 2023

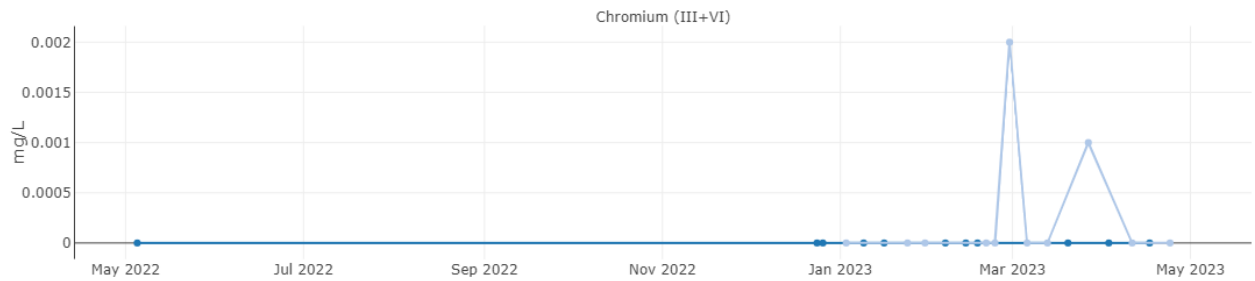

Chemistry Graph
SITE 4
SITE4
Alkalinity (Bicarbonate as CaCO3)
mg/L
100
50
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023
Alkalinity (Carbonate as CaCO3)
mg/L
1
0.5
0
−0.5
−1
Alkalinity (Hydroxide) as CaCO3
Alkalinity (total) as CaCO3
Aluminium
Aluminium (Filtered)
0.3
0.2
0.1

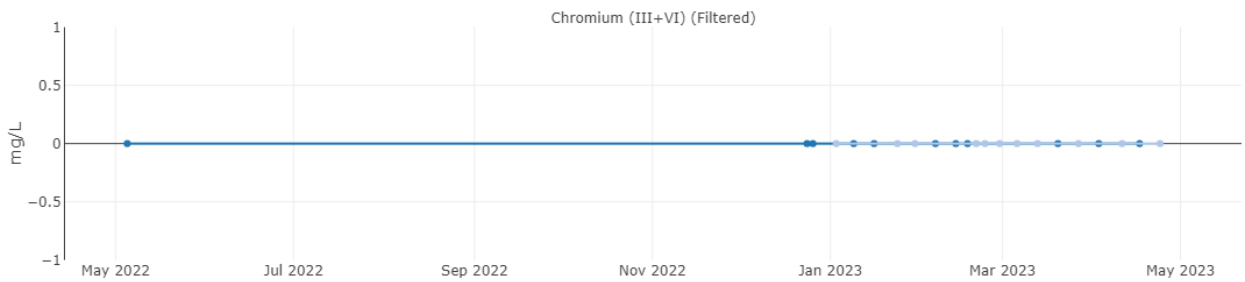

Cadmium
mg/L
1
0.5
0
−0.5
−1
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

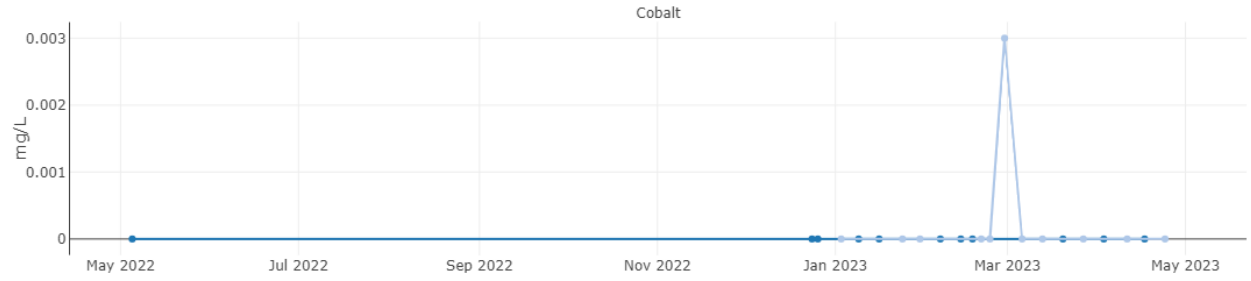

Cadmium (Filtered)
mg/L
1
0.5
0
−0.5
−1
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

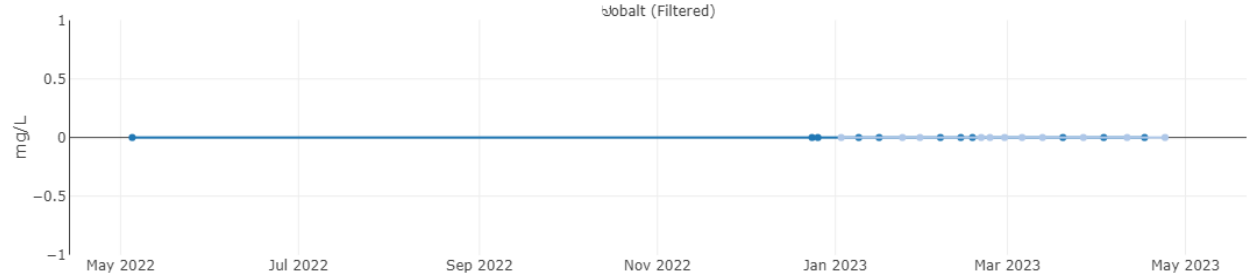

Calcium
mg/L
2.5
2
1.5
1
0.5
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

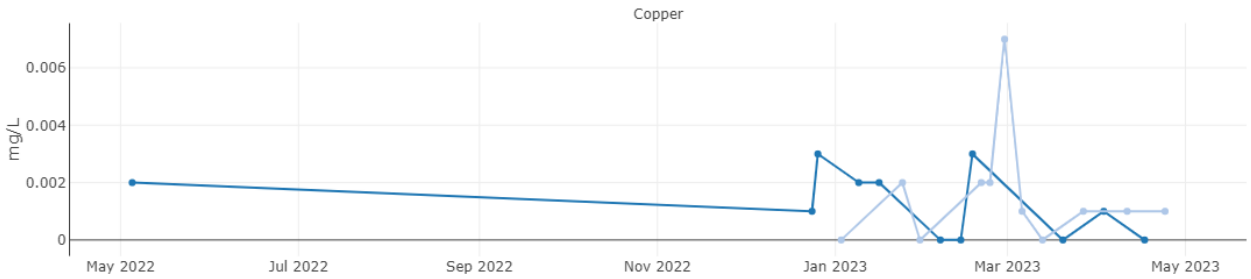

Chloride
mg/L
50
40
30
20
10
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

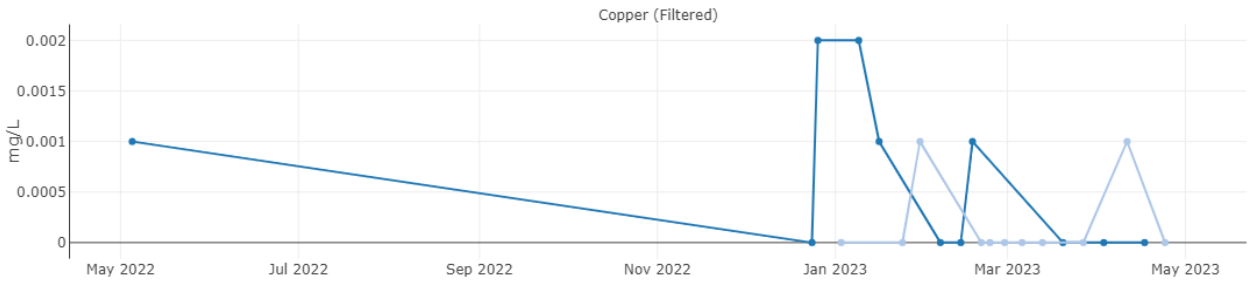

Chromium (III+VI)
mg/L
0.002
0.0015
0.001
0.0005
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

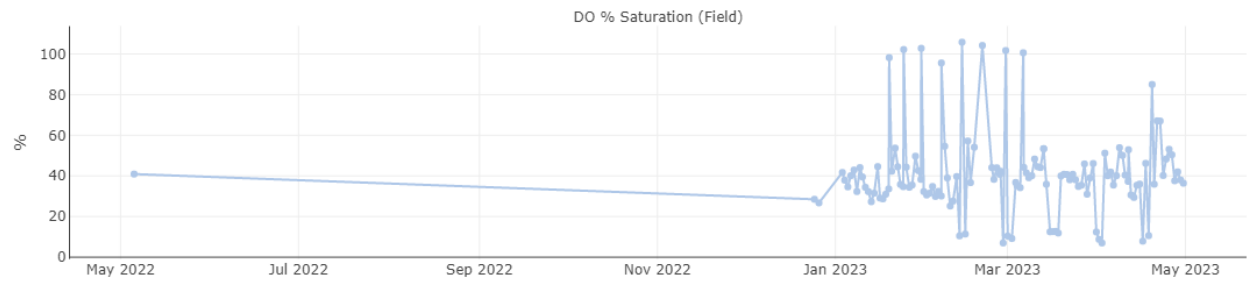

Chromium (III+VI) (Filtered)
mg/L
1
0.5
0
−0.5
−1
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

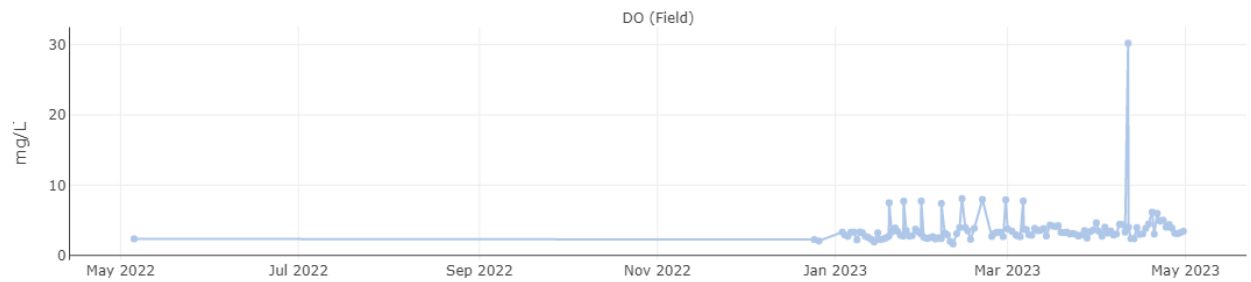

Cobalt
mg/L
0.003
0.002
0.001
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

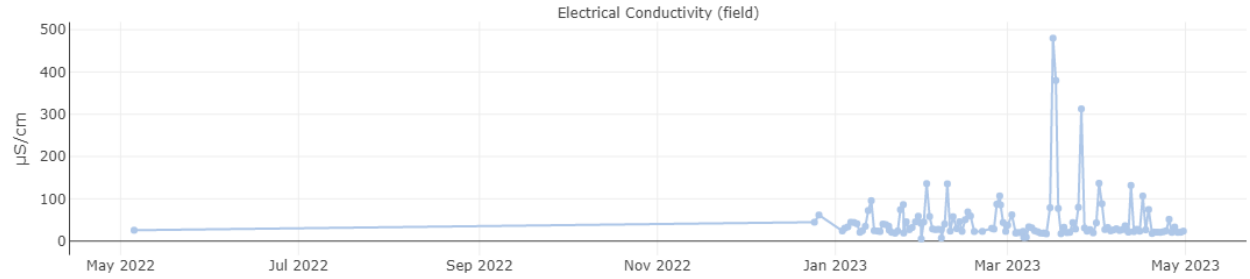

Cobalt (Filtered)
mg/L
1
0.5
0
−0.5
−1
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

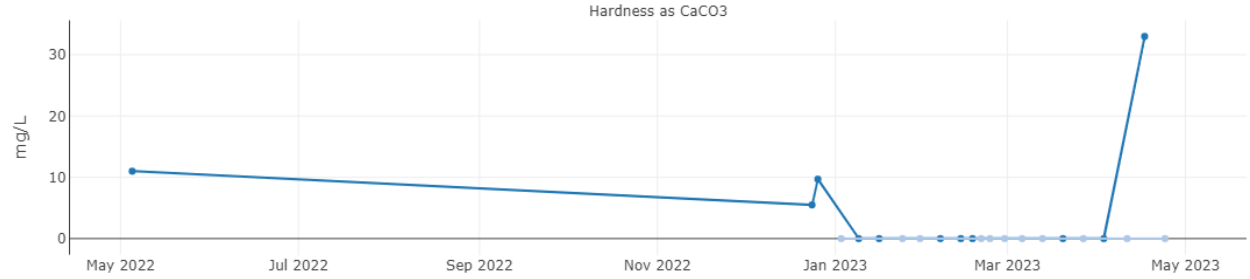

Copper
mg/L
0.006
0.004
0.002
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

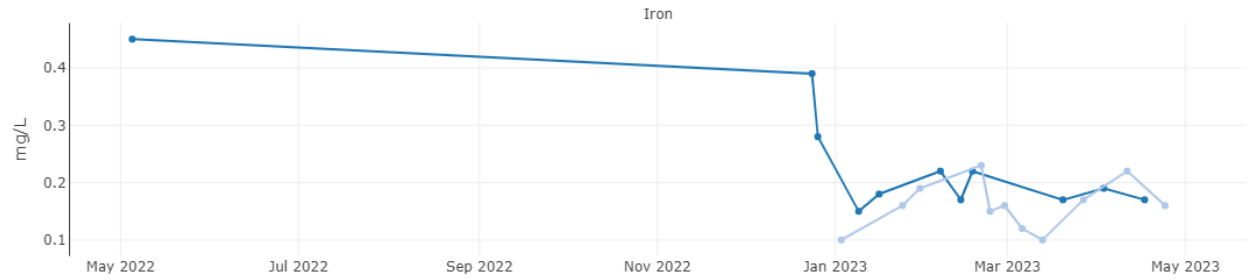

Copper (Filtered)
mg/L
0.002
0.0015
0.001
0.0005
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

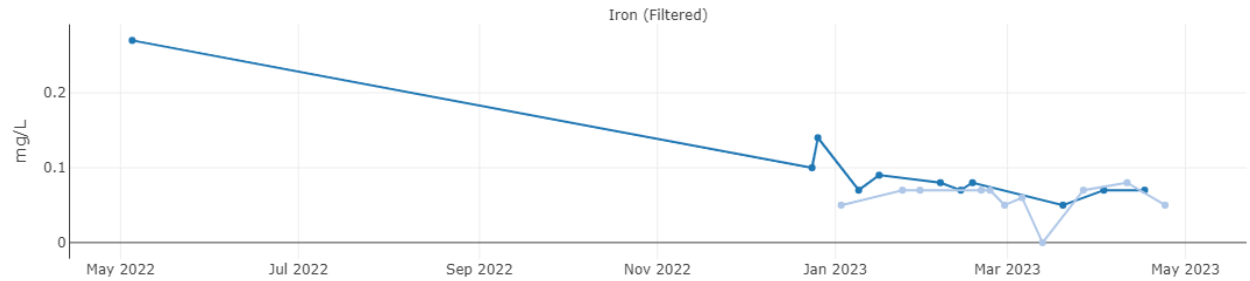

DO % Saturation (Field)
%
100
80
60
40
20
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

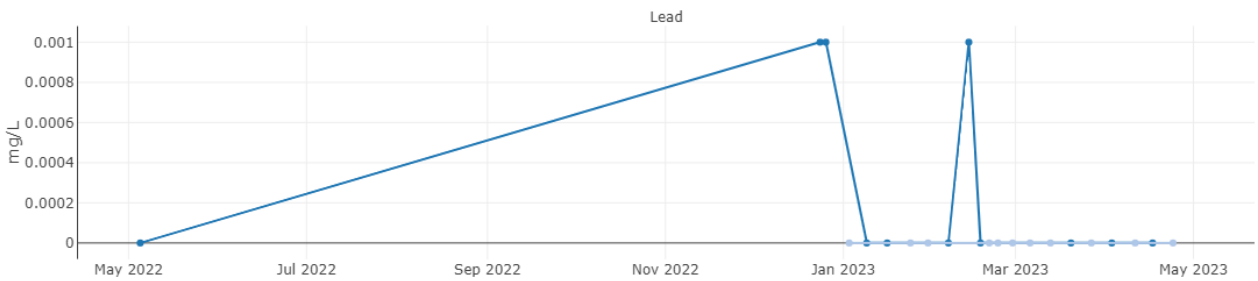

DO (Field)
mg/L
30
20
10
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

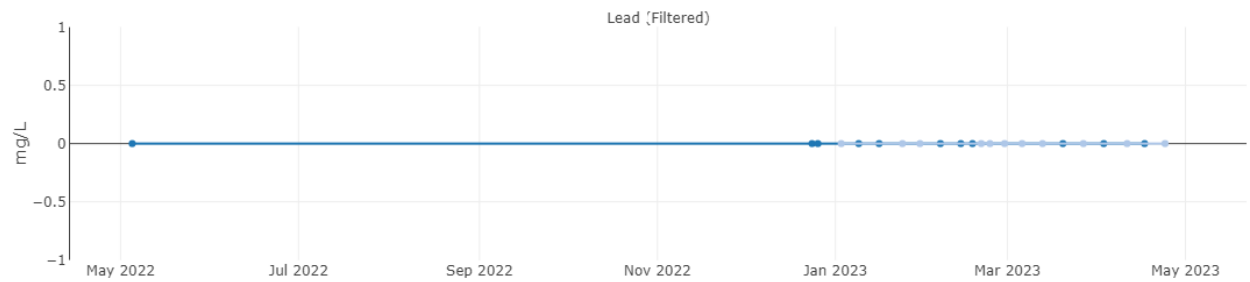

Electrical Conductivity (field)
µS/cm
500
400
300
200
100
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

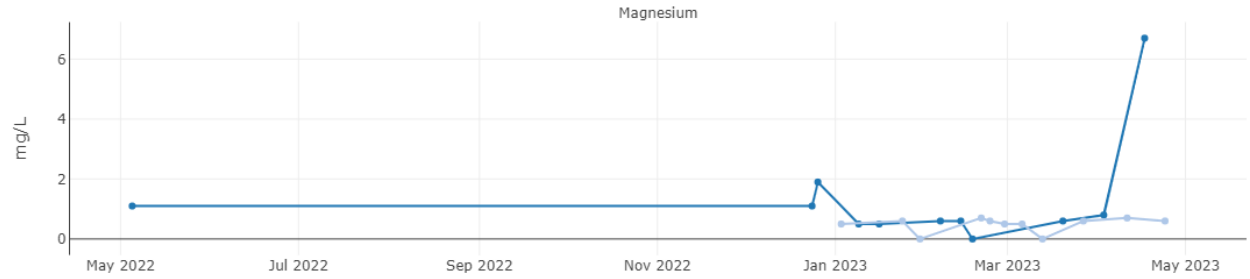

Hardness as CaCO3
mg/L
30
20
10
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

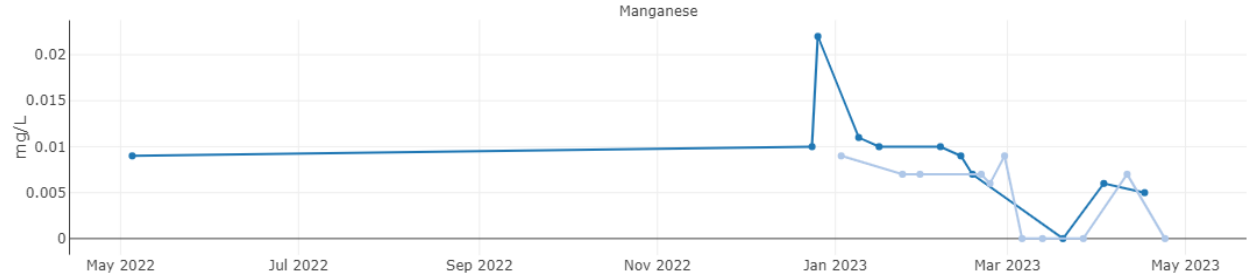

Iron
mg/L
0.4
0.3
0.2
0.1
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

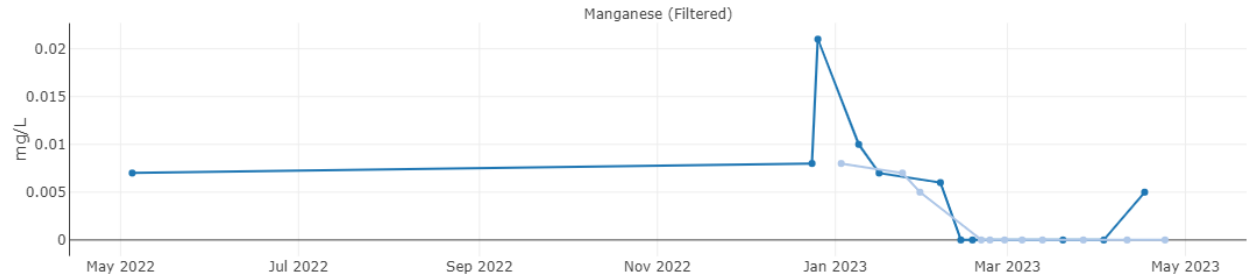

Iron (Filtered)
mg/L
0.2
0.1
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

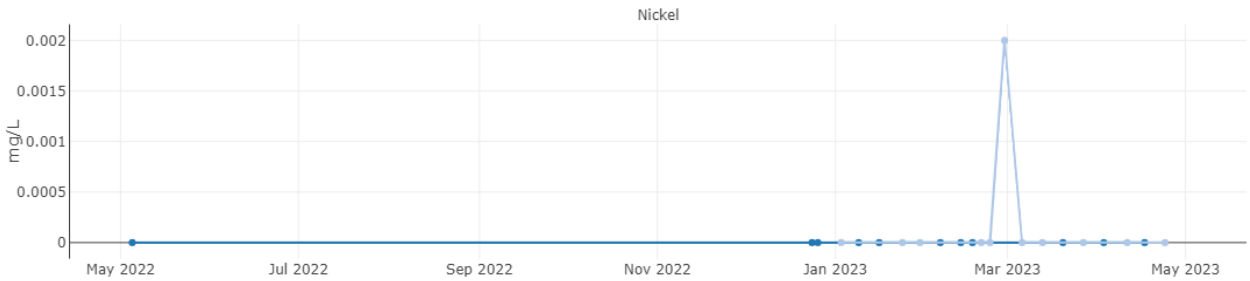

Lead
mg/L
0.001
0.0008
0.0006
0.0004
0.0002
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

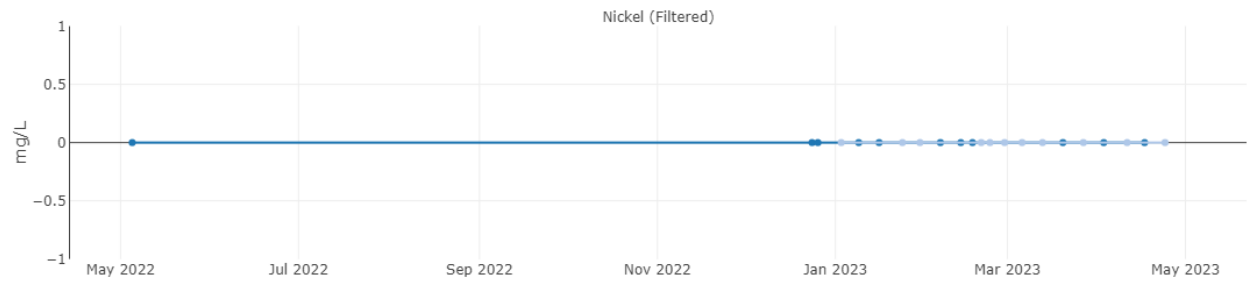

Lead (Filtered)
mg/L
1
0.5
0
−0.5
−1
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

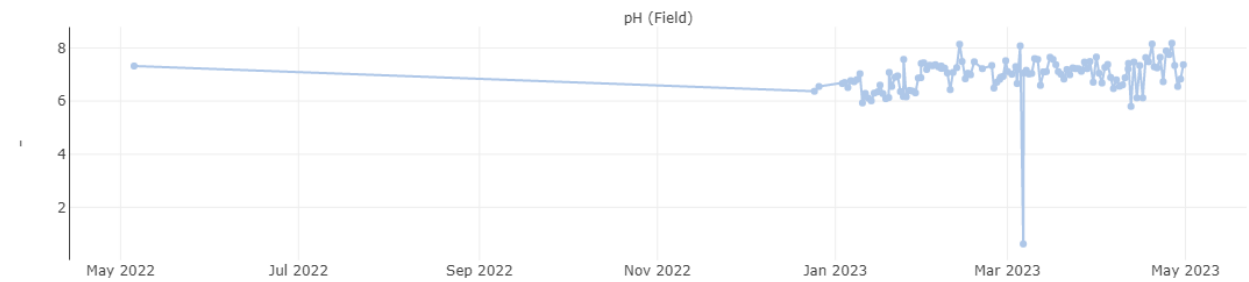

Magnesium
mg/L
6
4
2
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

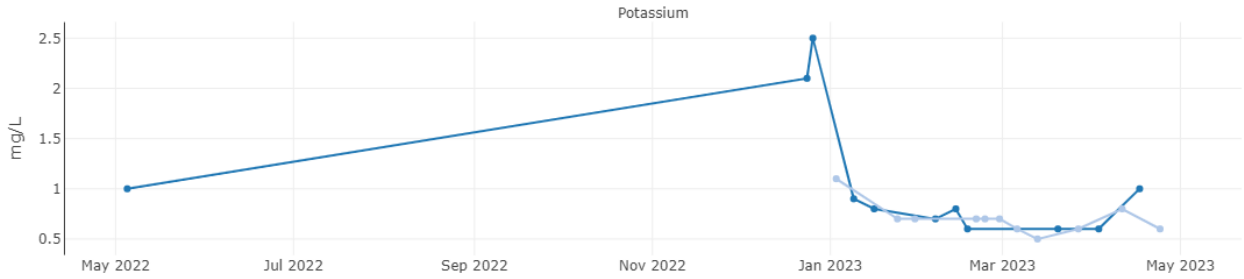

Manganese
mg/L
0.02
0.015
0.01
0.005
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

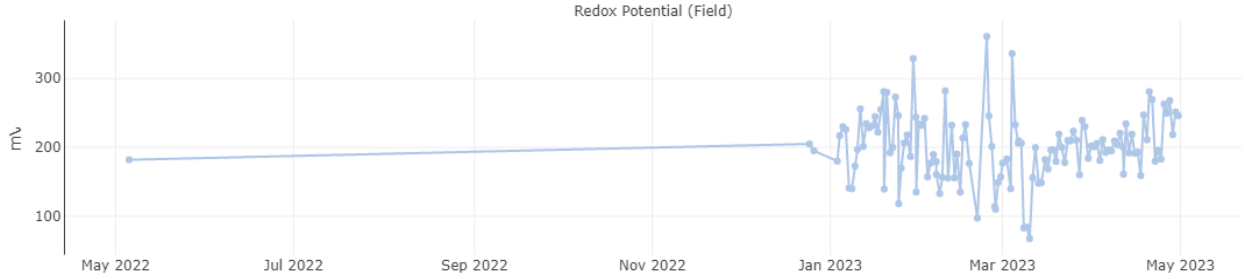

Manganese (Filtered)
mg/L
0.02
0.015
0.01
0.005
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

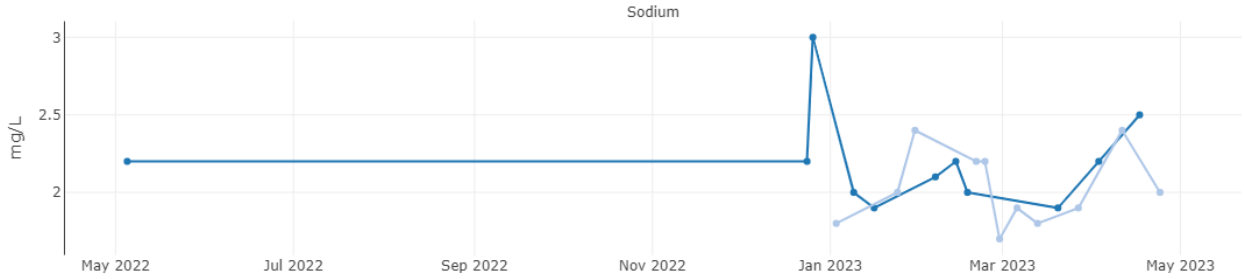

Nickel
mg/L
0.002
0.0015
0.001
0.0005
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

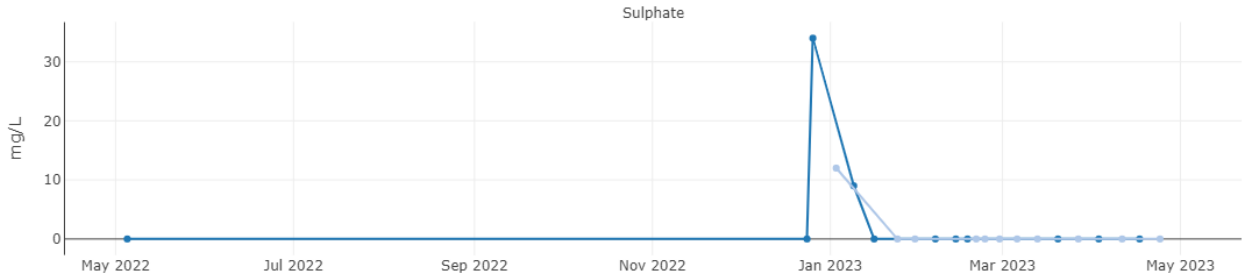

Nickel (Filtered)
mg/L
1
0.5
0
−0.5
−1
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

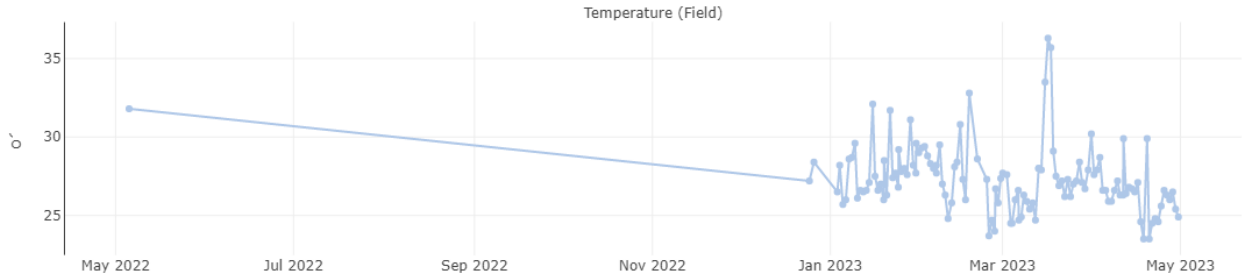

pH (Field)
-
8
6
4
2
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

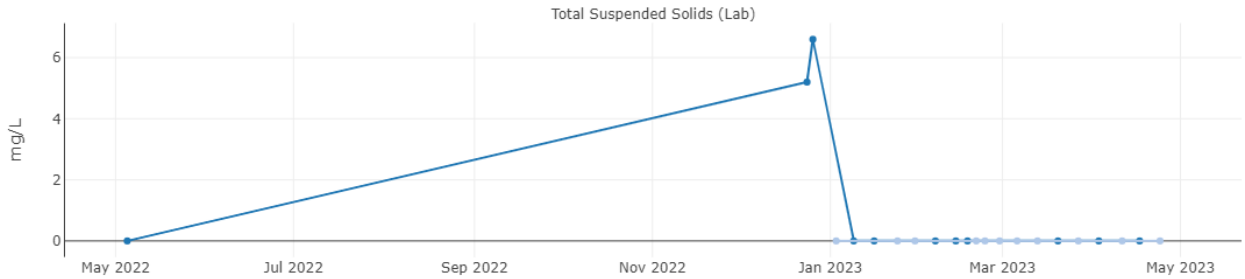

Potassium
mg/L
2.5
2
1.5
1
0.5
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

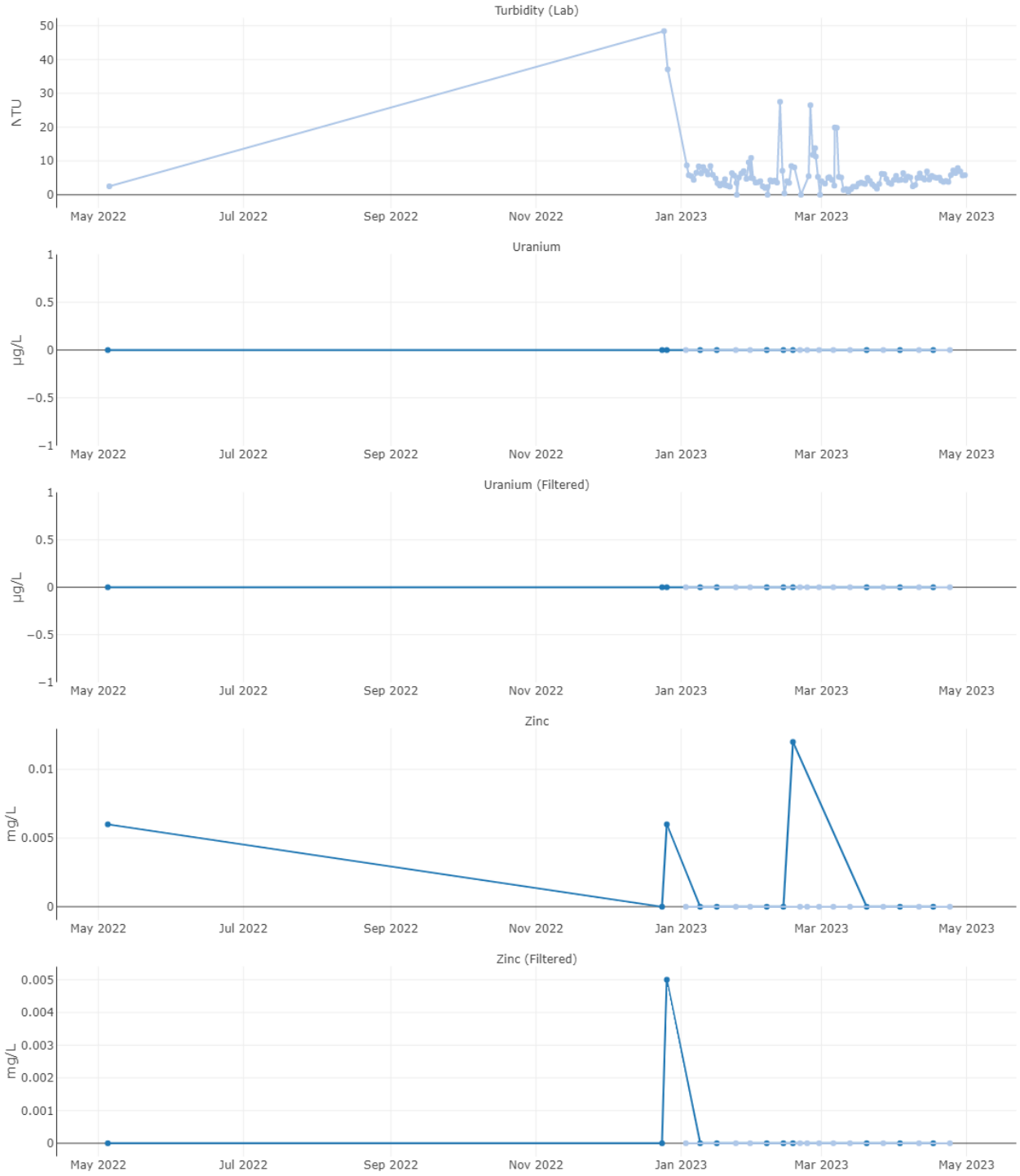

Redox Potential (Field)
mV
300
200
100
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023


Sodium
mg/L
3
2.5
2
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023


Sulphate
mg/L
30
20
10
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023


Temperature (Field)
o´
35
30
25
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

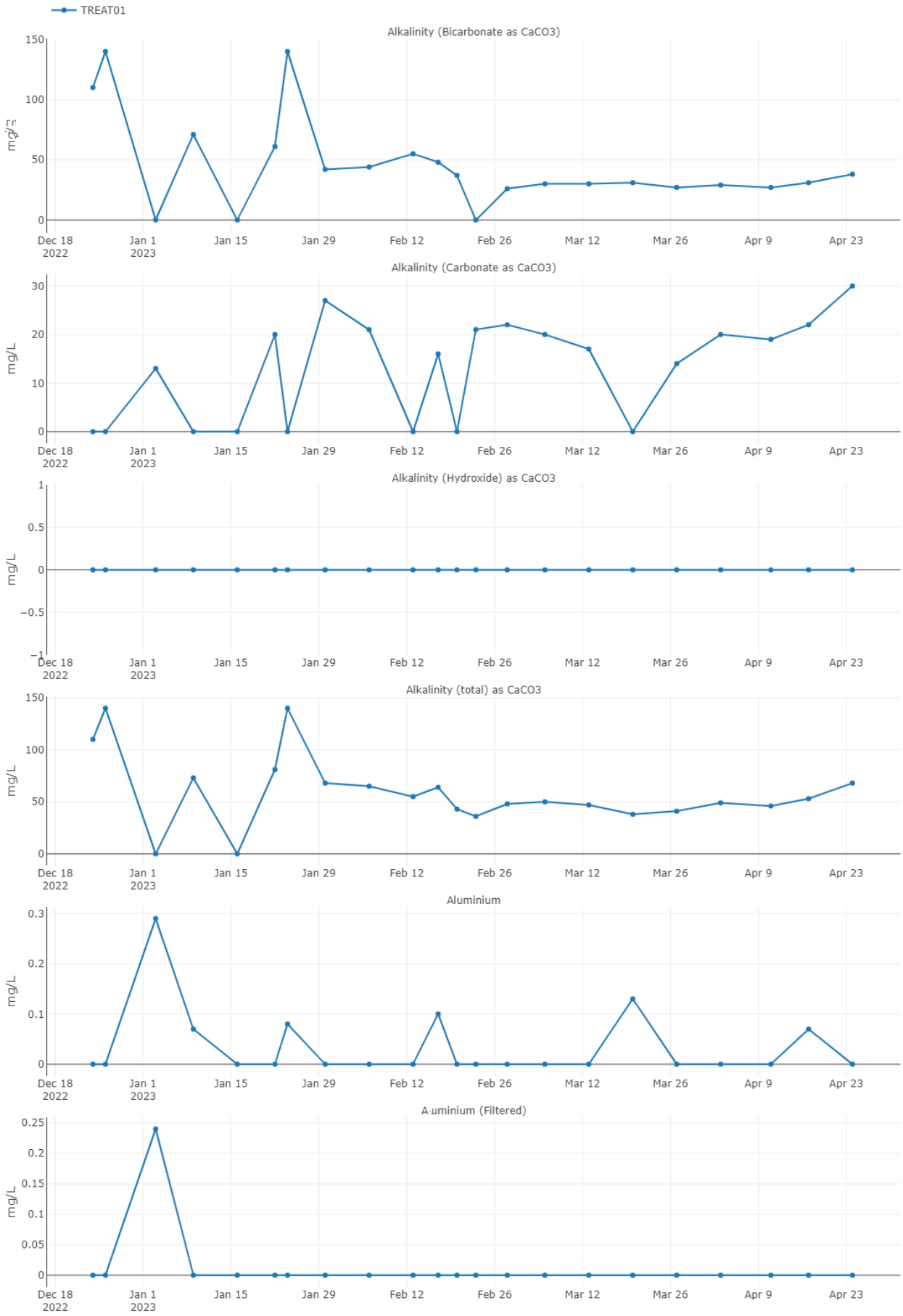

Total Suspended Solids (Lab)
mg/L
6
4
2
0
May 2022
Jul 2022
Sep 2022
Nov 2022
Jan 2023
Mar 2023
May 2023

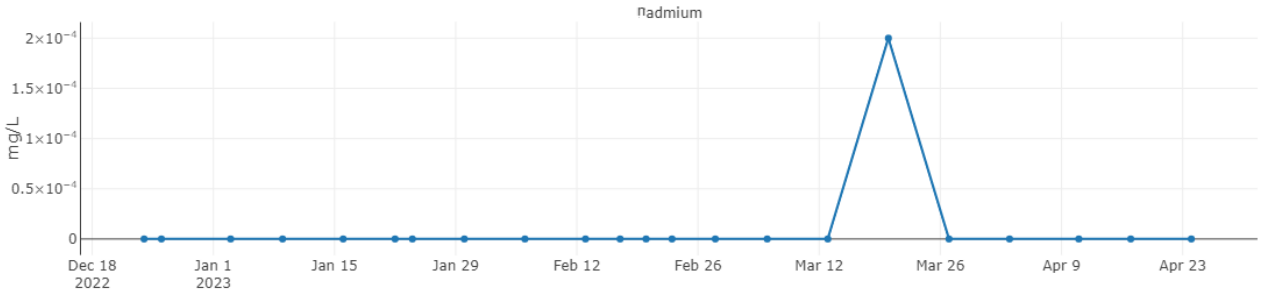


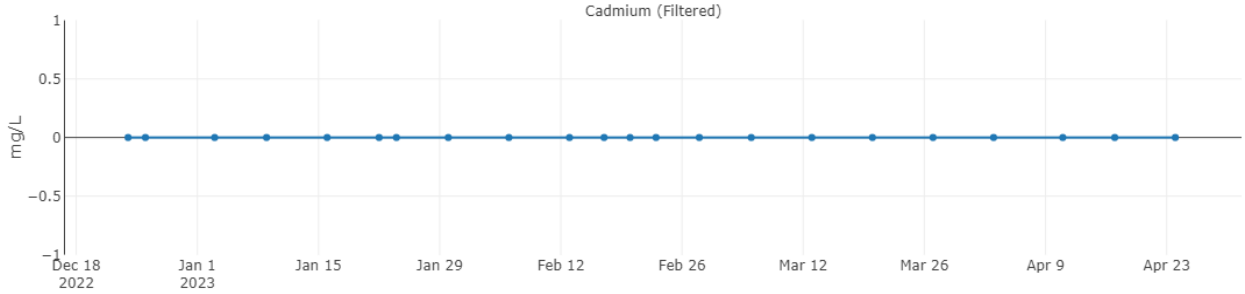
The report was generated based on the following filter:
Sampled Date between "01 May 2022" and "30 Apr 2023",
Locations In "SITE 4,SITE4"

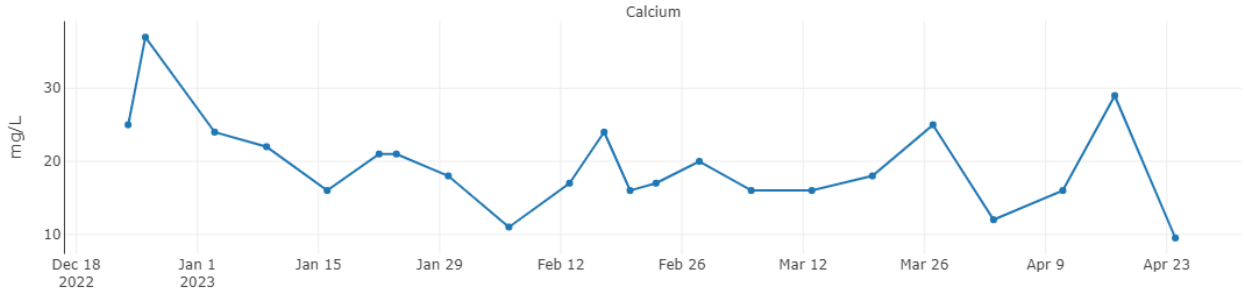
Publication Date: 04 May 2023

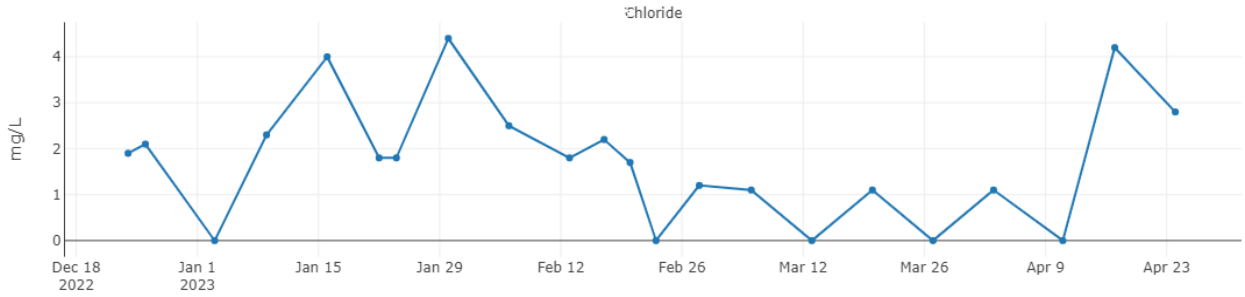
Chemistry Graph

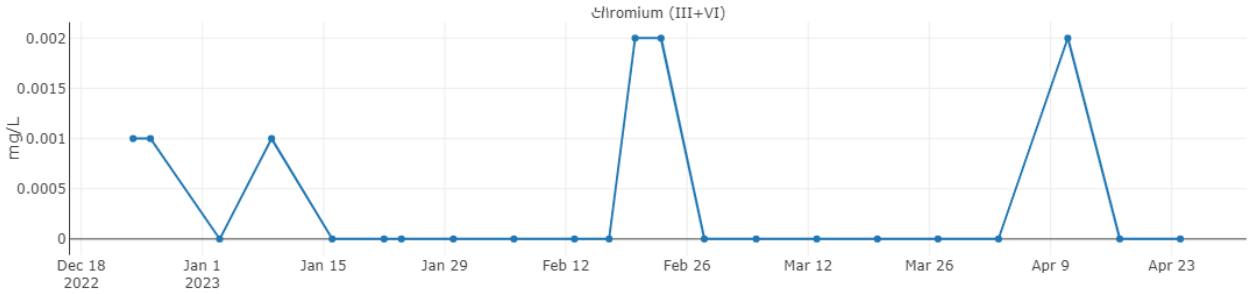


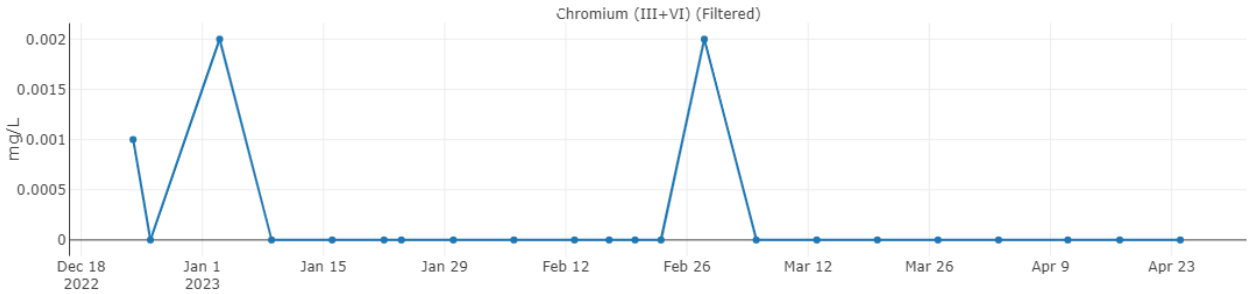

Cadmium
mg/L
2×10⁻⁴
1.5×10⁻⁴
1×10⁻⁴
0.5×10⁻⁴
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

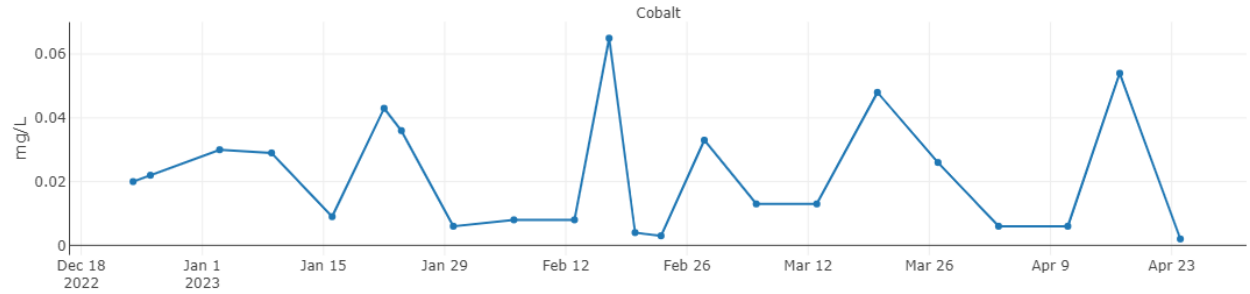

Cadmium (Filtered)
mg/L
1
0.5
0
−0.5
−1
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

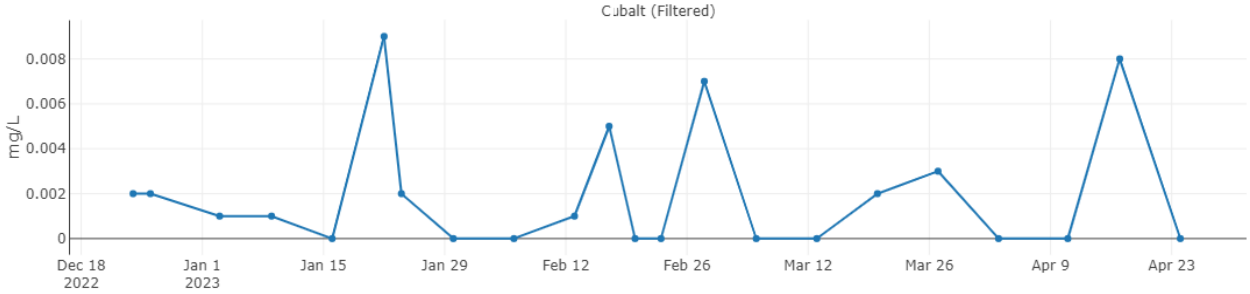

Calcium
mg/L
30
20
10
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

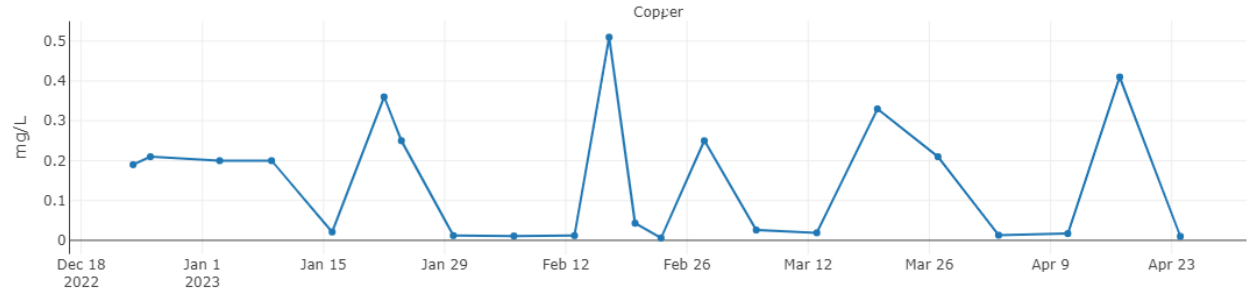

Chloride
mg/L
4
3
2
1
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

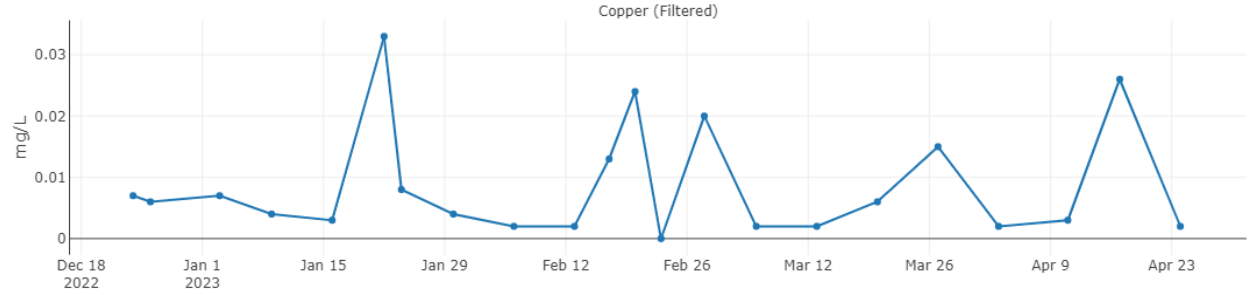

Chromium (III+VI)
mg/L
0.002
0.0015
0.001
0.0005
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

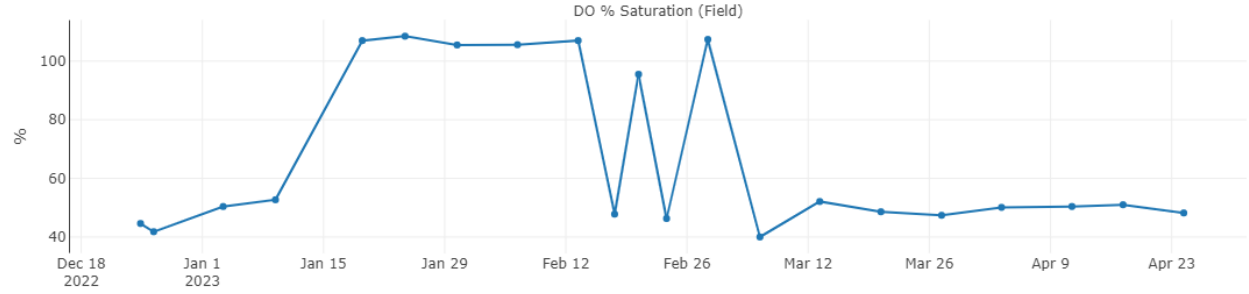

Chromium (III+VI) (Filtered)
mg/L
0.002
0.0015
0.001
0.0005
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

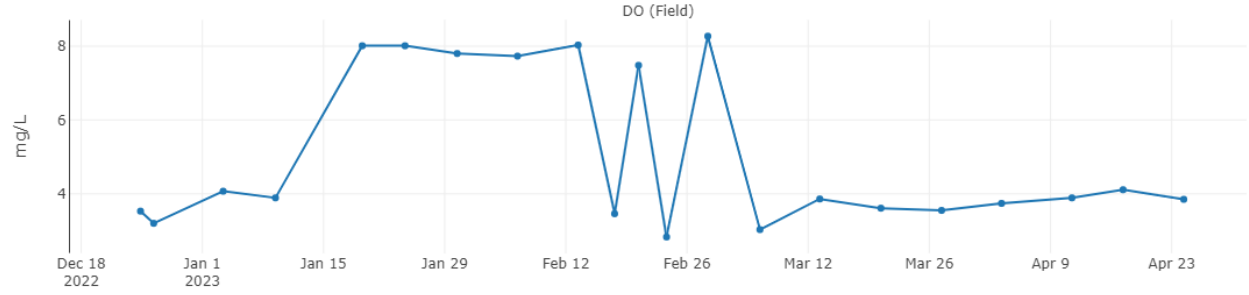

Cobalt
mg/L
0.06
0.04
0.02
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

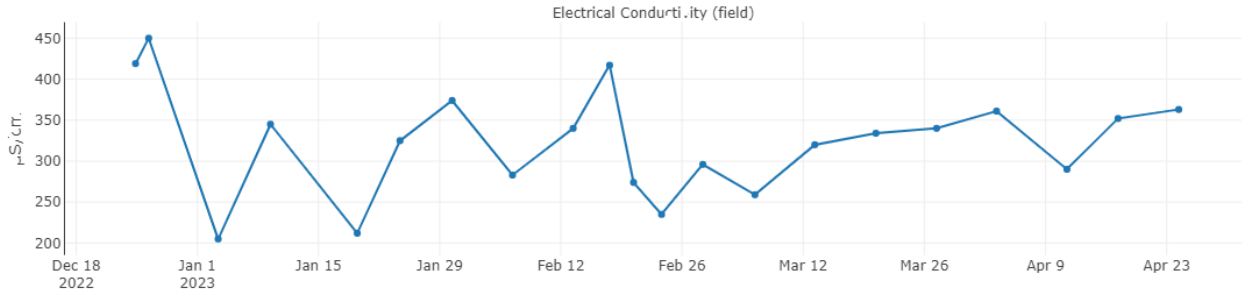

Cobalt (Filtered)
mg/L
0.008
0.006
0.004
0.002
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

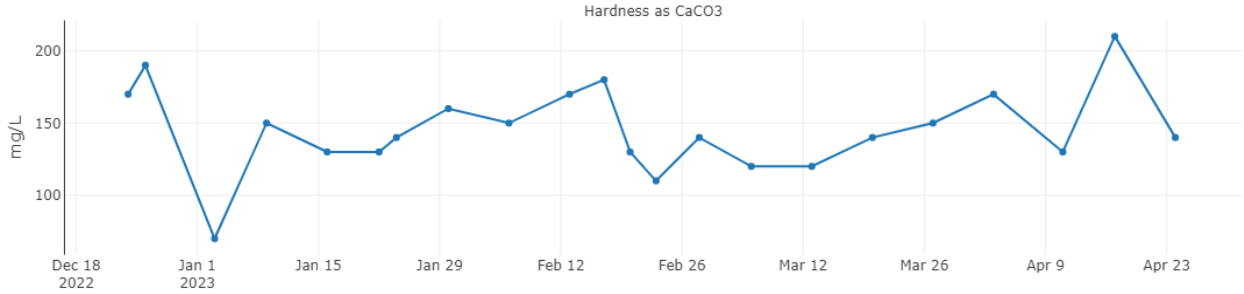

Copper
mg/L
0.5
0.4
0.3
0.2
0.1
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

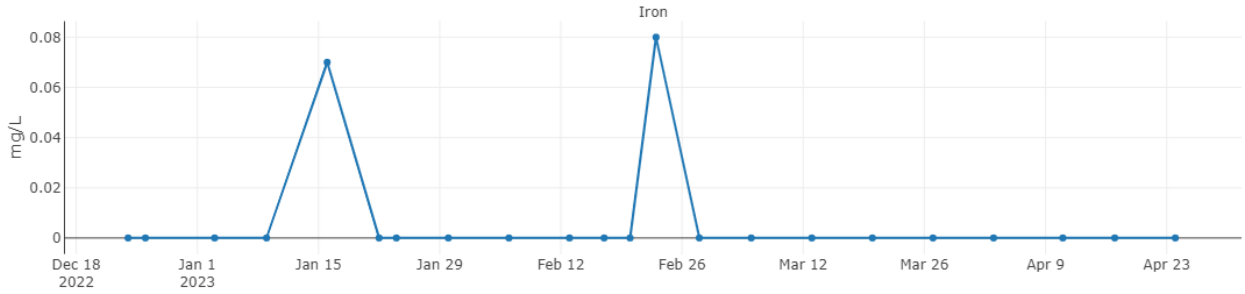

Copper (Filtered)
mg/L
0.03
0.02
0.01
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

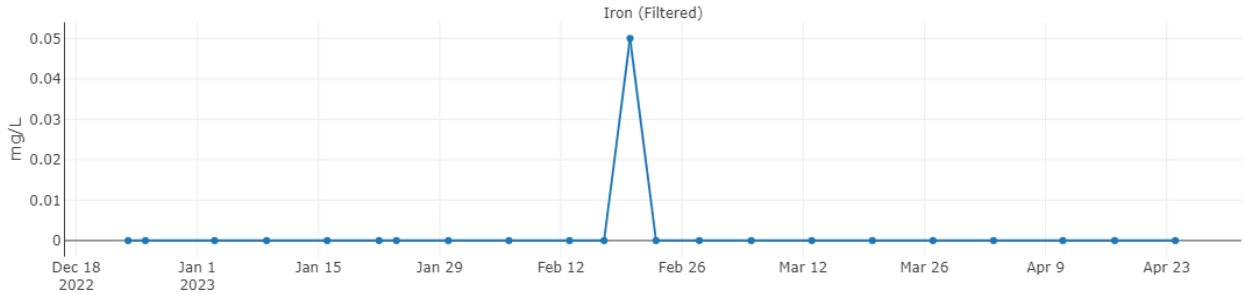

DO % Saturation (Field)
%
100
80
60
40
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

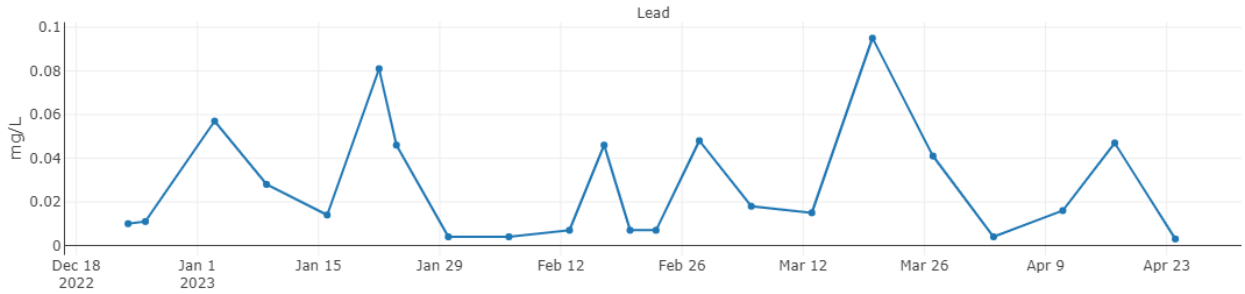

DO (Field)
mg/L
8
6
4
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

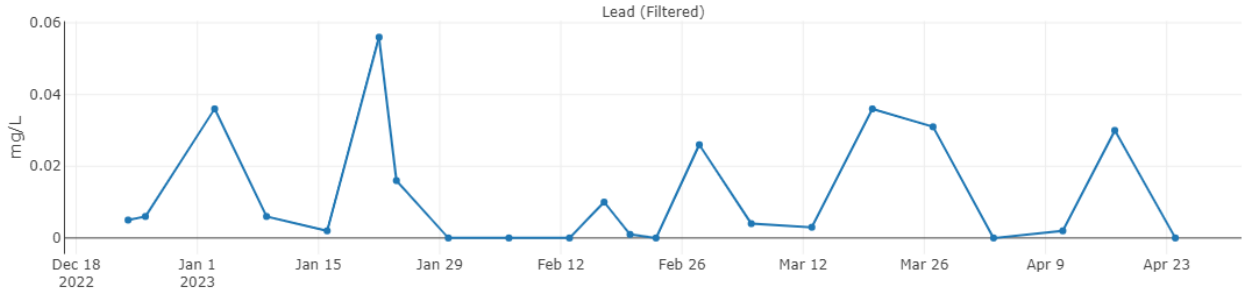

Electrical Conductivity (field)
µS/cm
450
400
350
300
250
200
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

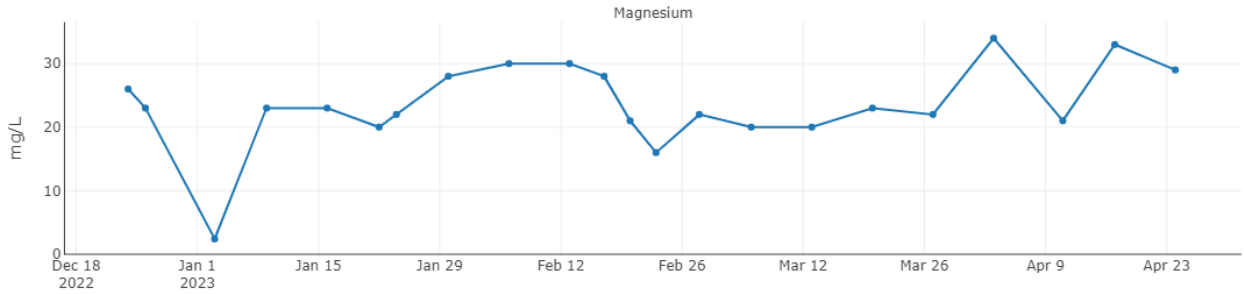

Hardness as CaCO3
mg/L
200
150
100
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

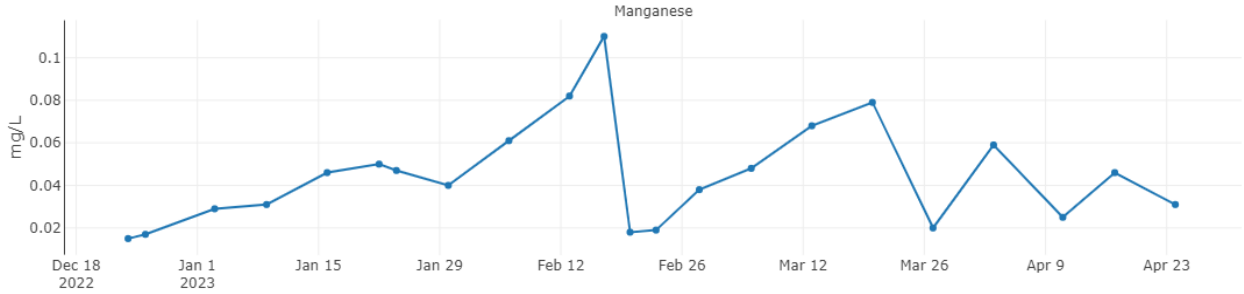

Iron
mg/L
0.08
0.06
0.04
0.02
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

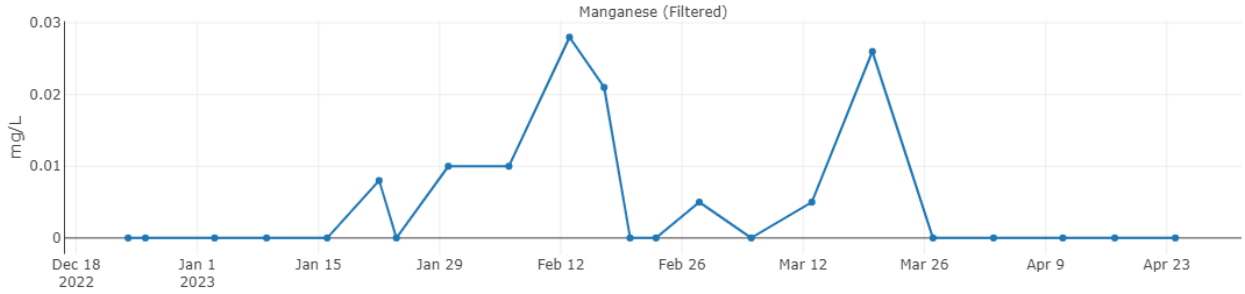

Iron (Filtered)
mg/L
0.05
0.04
0.03
0.02
0.01
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

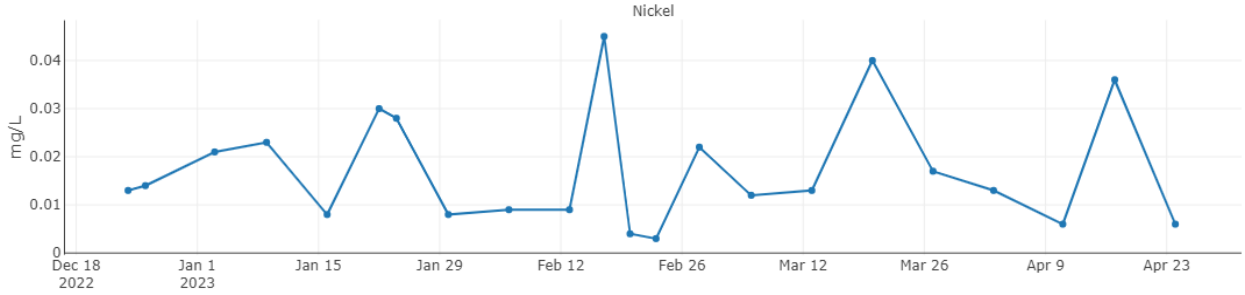

Lead
mg/L
0.1
0.08
0.06
0.04
0.02
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

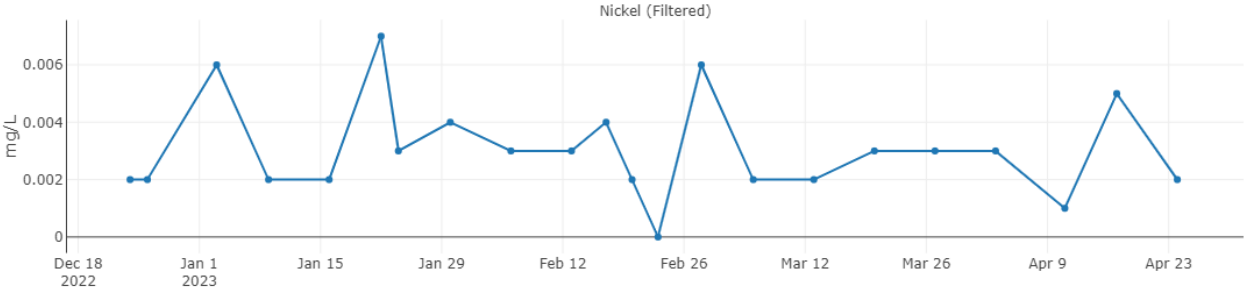

Lead (Filtered)
mg/L
0.06
0.04
0.02
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

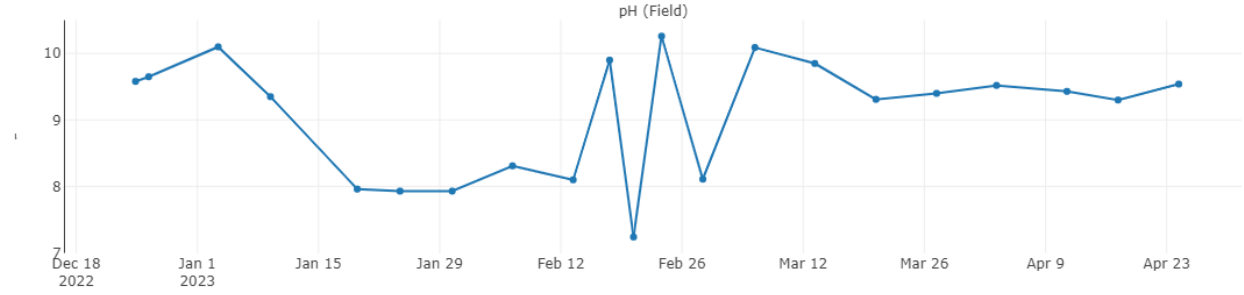

Magnesium
mg/L
30
20
10
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

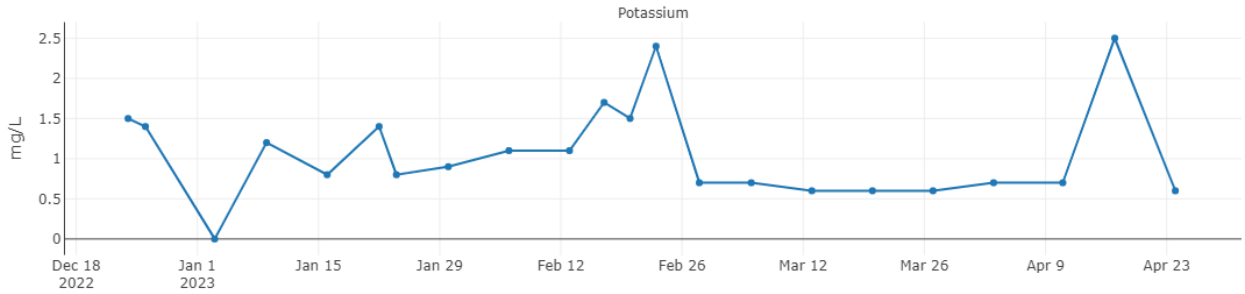

Manganese
mg/L
0.1
0.08
0.06
0.04
0.02
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

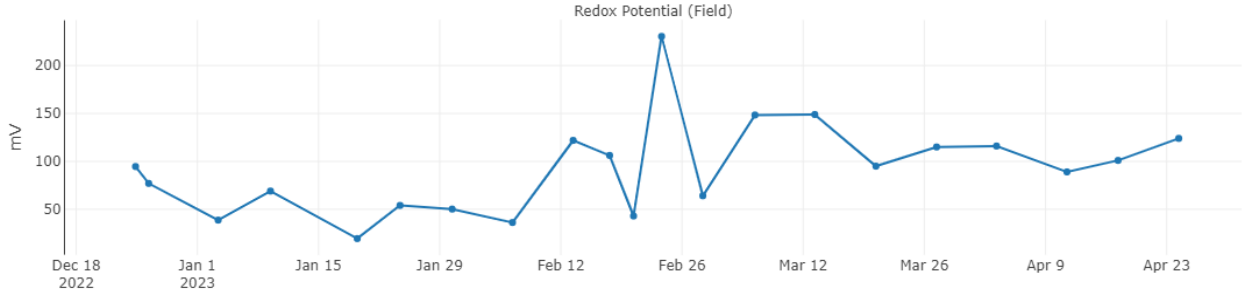

Manganese (Filtered)
mg/L
0.03
0.02
0.01
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

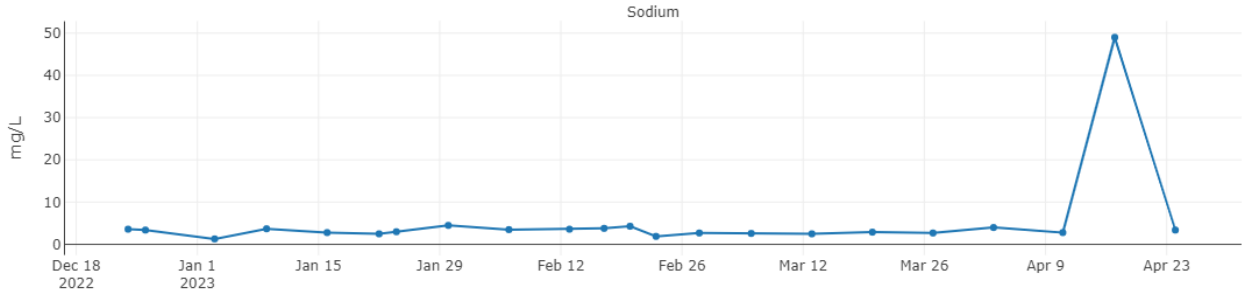

Nickel
mg/L
0.04
0.03
0.02
0.01
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

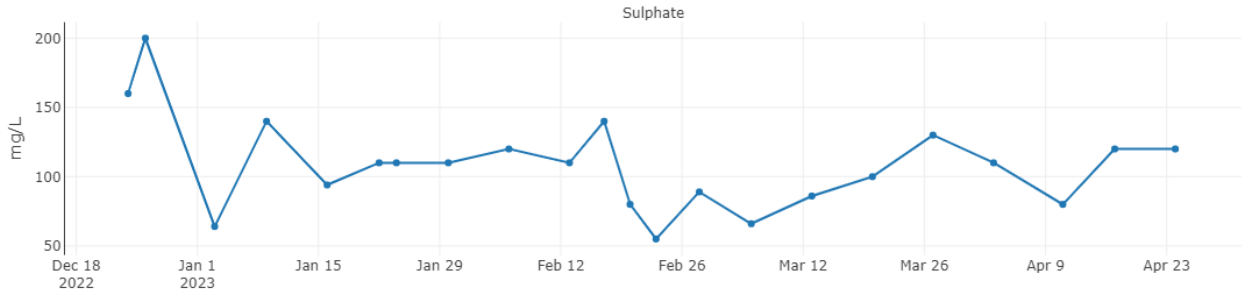

Nickel (Filtered)
mg/L
0.006
0.004
0.002
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

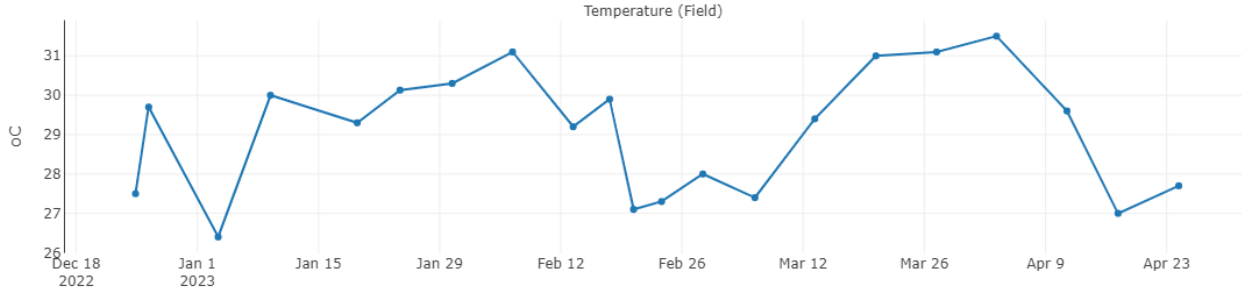

pH (Field)
-
10
9
8
7
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

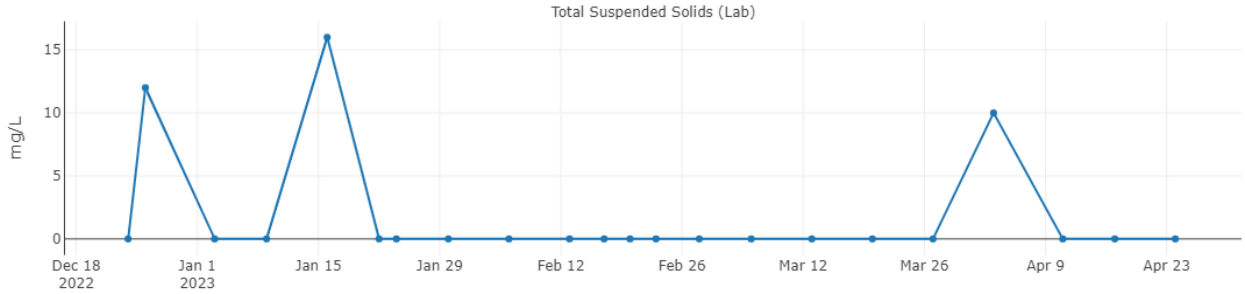

Potassium
mg/L
2.5
2
1.5
1
0.5
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

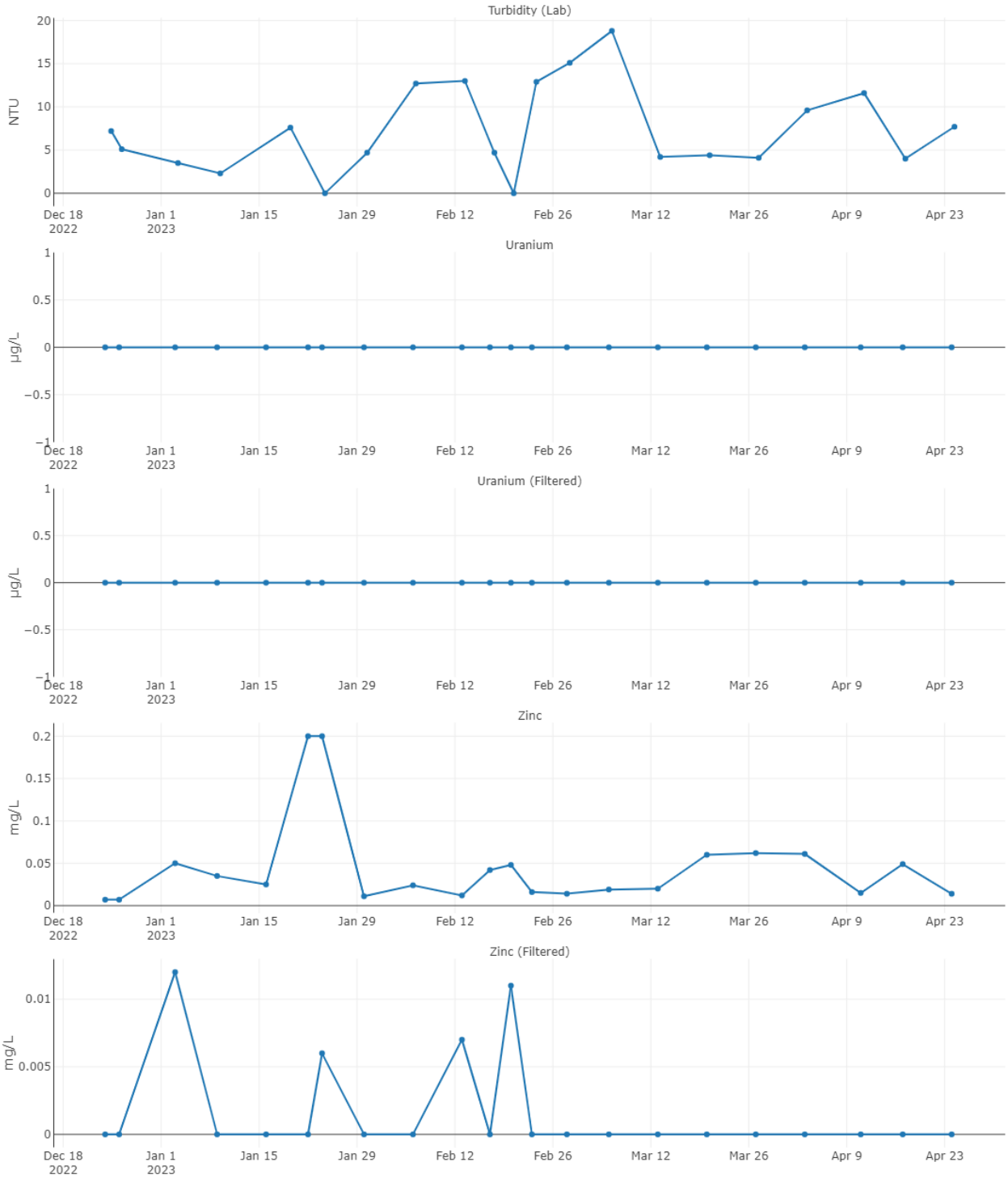

Redox Potential (Field)
mV
200
150
100
50
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23


Sodium
mg/L
50
40
30
20
10
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23


Sulphate
mg/L
200
150
100
50
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23


Temperature (Field)
oC
31
30
29
28
27
26
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23


Total Suspended Solids (Lab)
mg/L
15
10
5
0
Dec 18 2022
Jan 1 2023
Jan 15
Jan 29
Feb 12
Feb 26
Mar 12
Mar 26
Apr 9
Apr 23

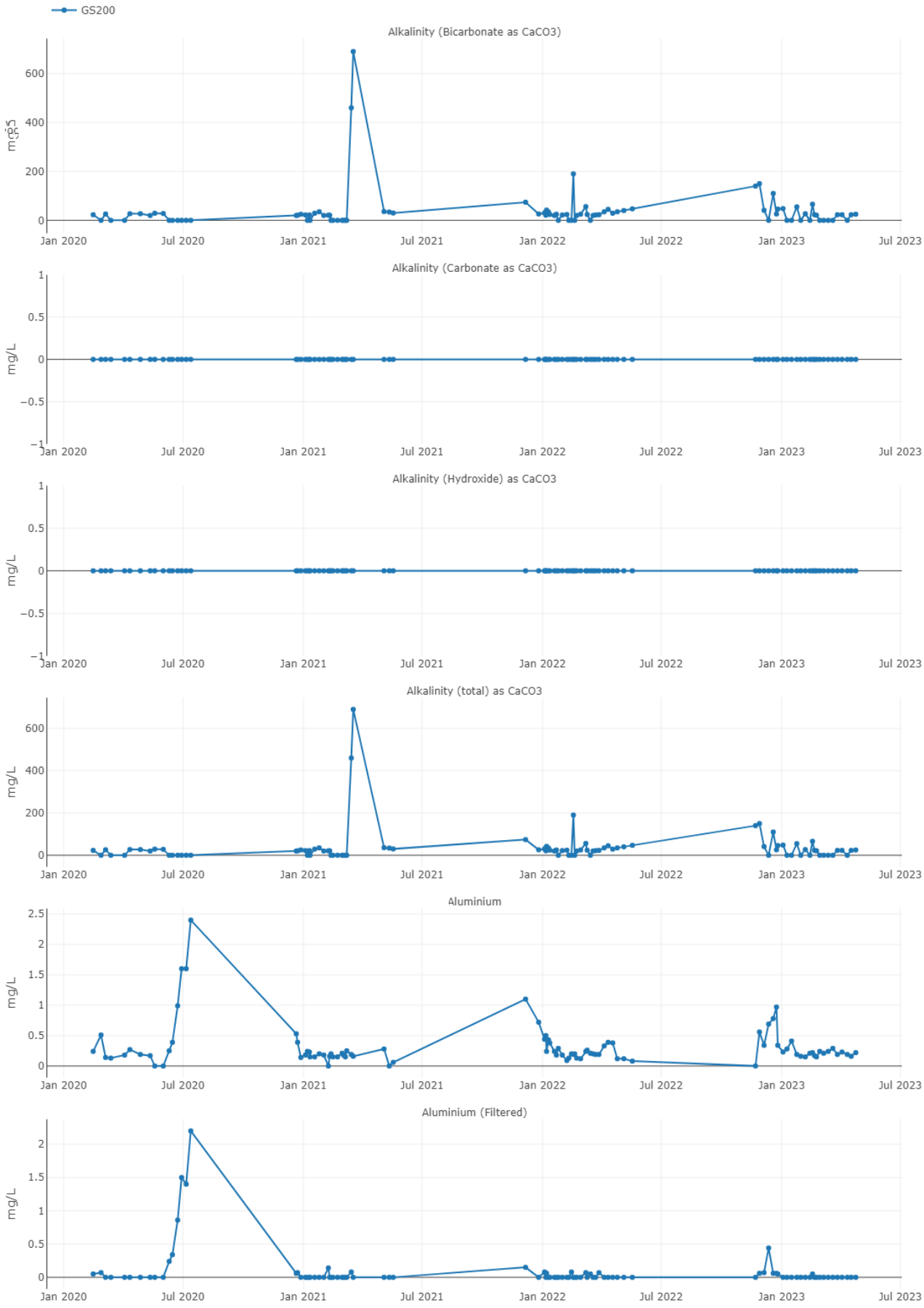


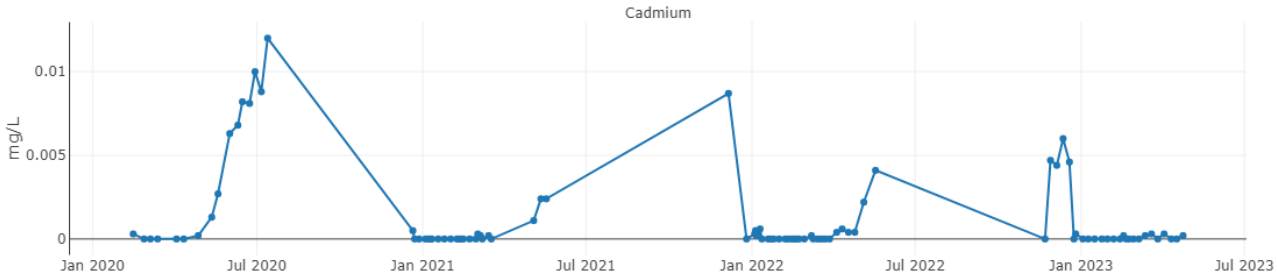
The report was generated based on the following filter:
Sampled Date between "01 May 2022" and "30 Apr 2023",
Locations In "TREAT01"

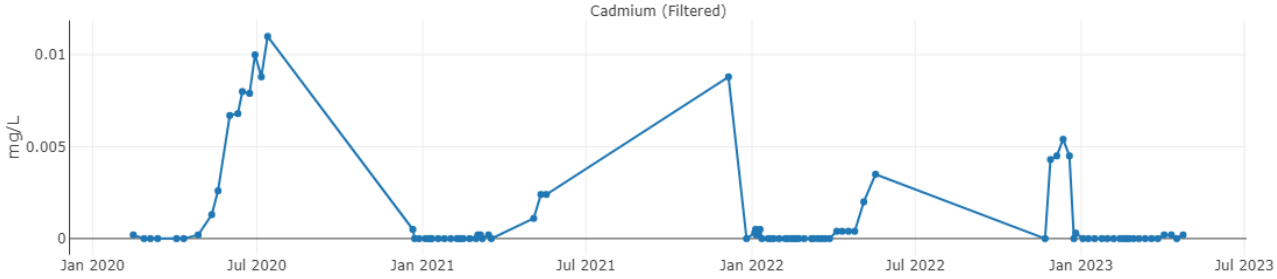
Publication Date: 04 May 2023

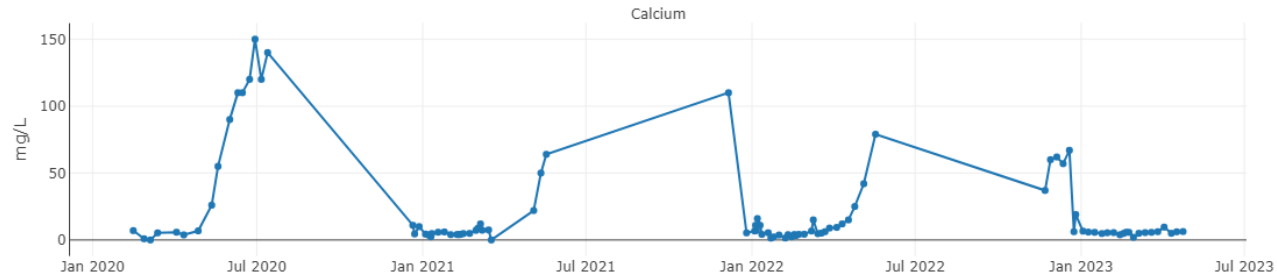
APPENDIX D – GRAPHS OF TREND DATA FOR 1 MAY 2022 – 30 APRIL 2023

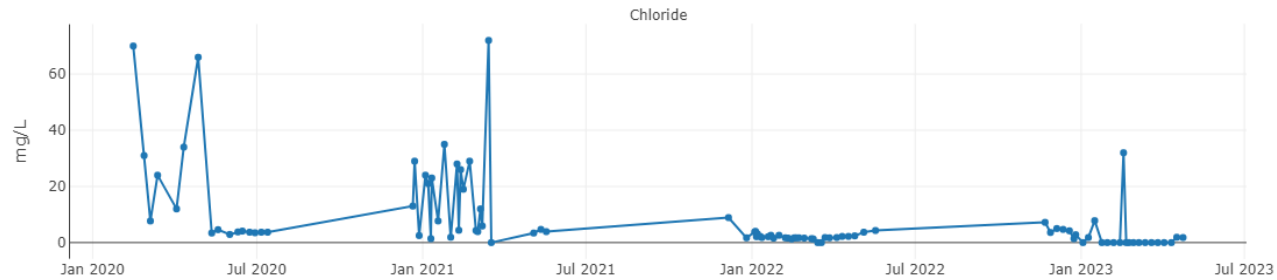
Chemistry Graph

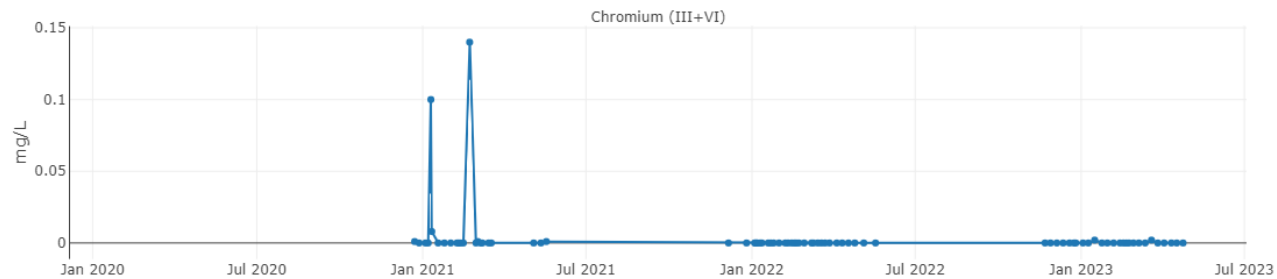


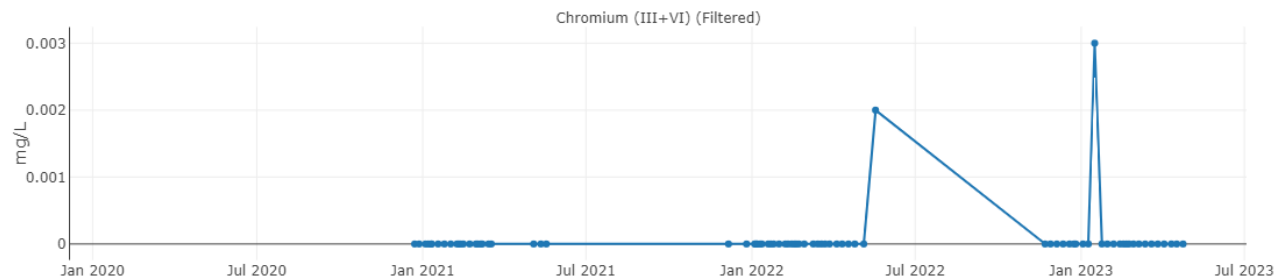

Cadmium
mg/L
0.01
0.005
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

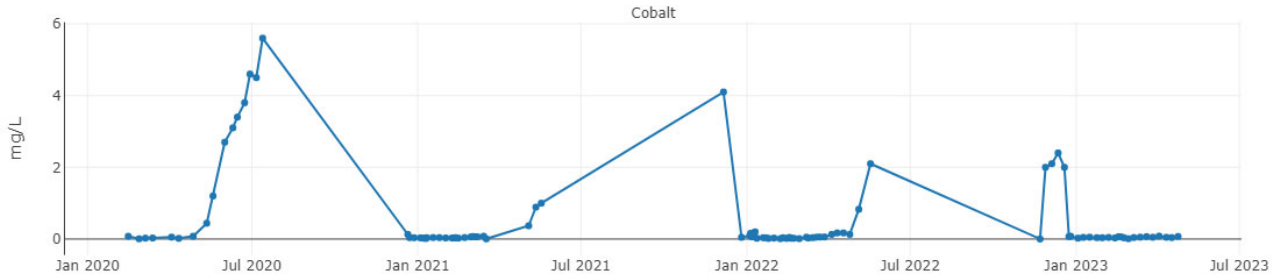

Cadmium (Filtered)
mg/L
0.01
0.005
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

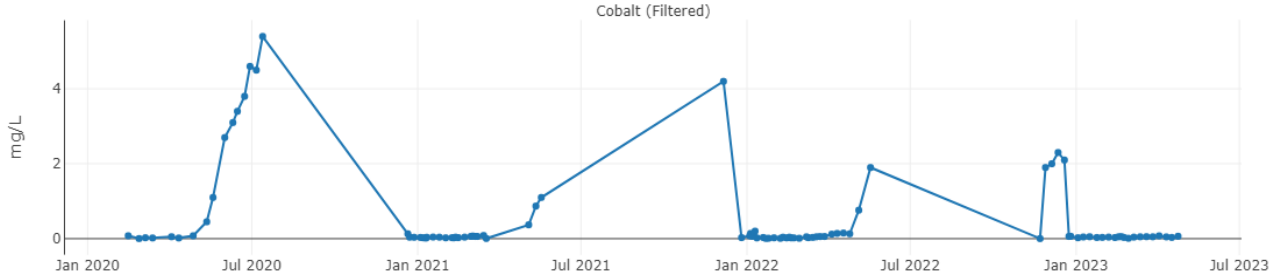

Calcium
mg/L
150
100
50
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

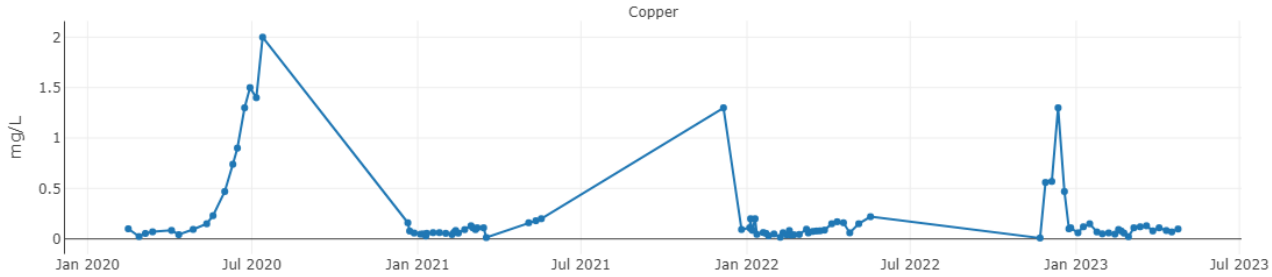

Chloride
mg/L
60
40
20
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

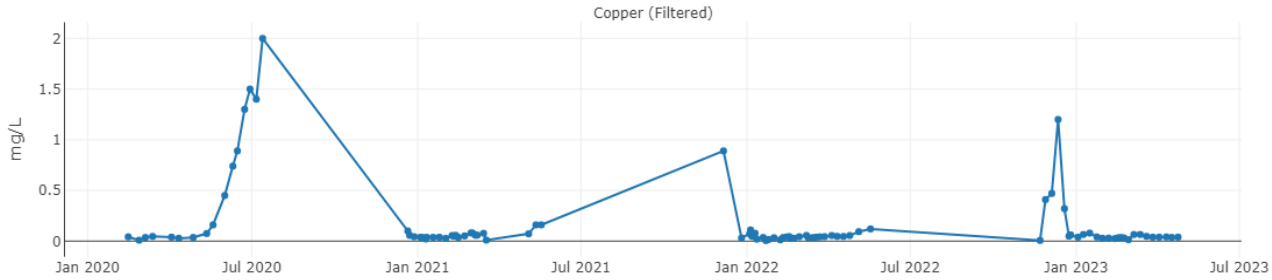

Chromium (III+VI)
mg/L
0.15
0.1
0.05
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

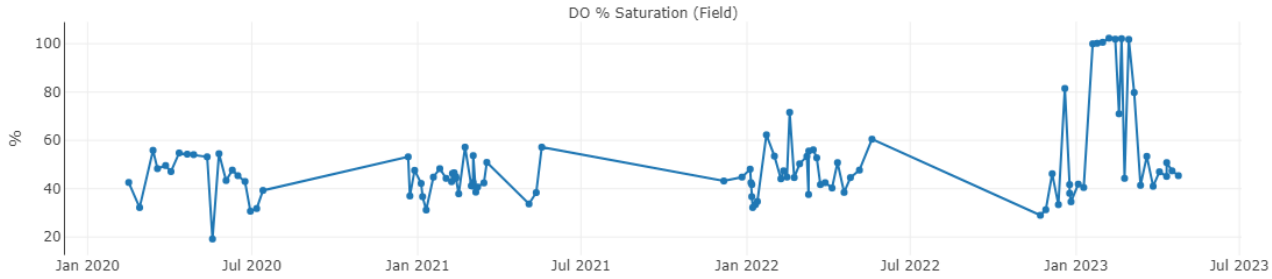

Chromium (III+VI) (Filtered)
mg/L
0.003
0.002
0.001
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

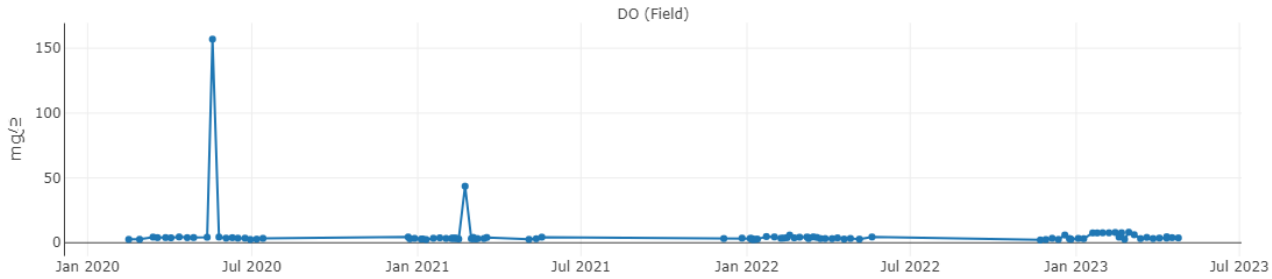

Cobalt
mg/L
6
4
2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

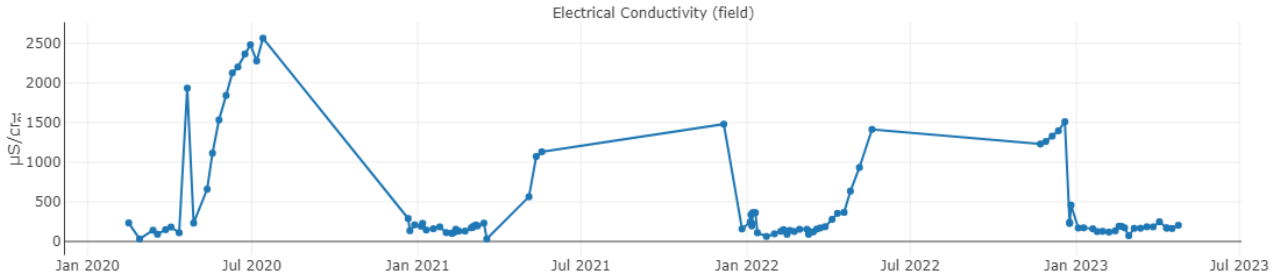

Cobalt (Filtered)
mg/L
4
2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

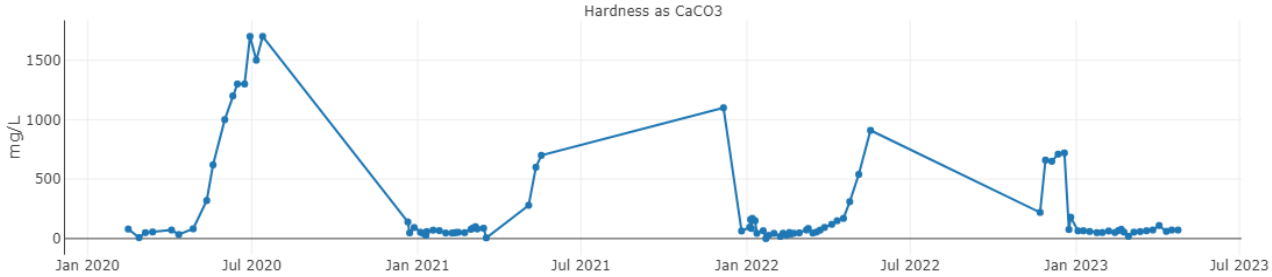

Copper
mg/L
2
1.5
1
0.5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

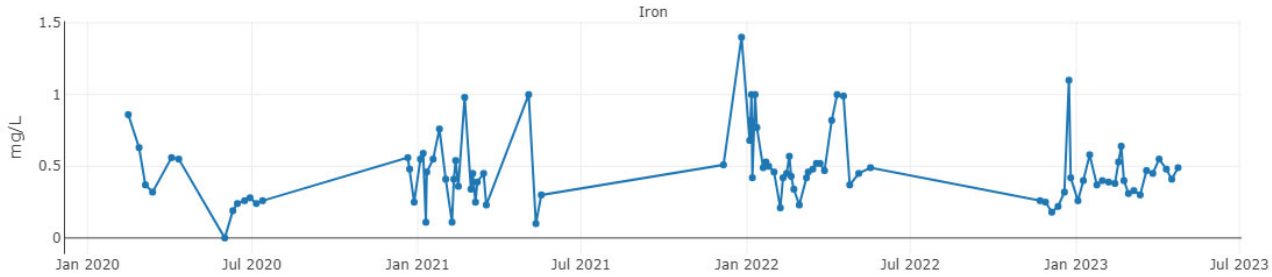

Copper (Filtered)
mg/L
2
1.5
1
0.5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

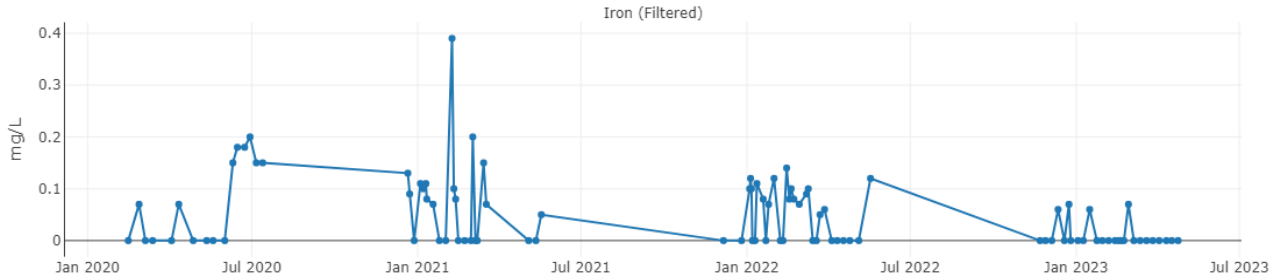

DO % Saturation (Field)
%
100
80
60
40
20
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


DO (Field)
mg/
150
100
50
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

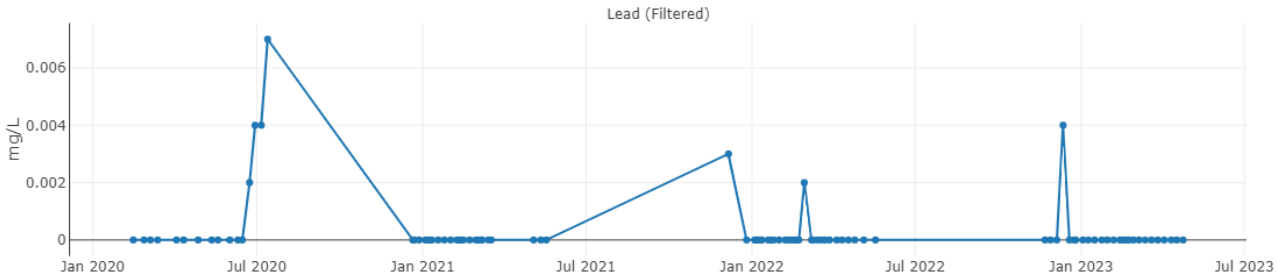

Electrical Conductivity (field)
µS/cm
2500
2000
1500
1000
500
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

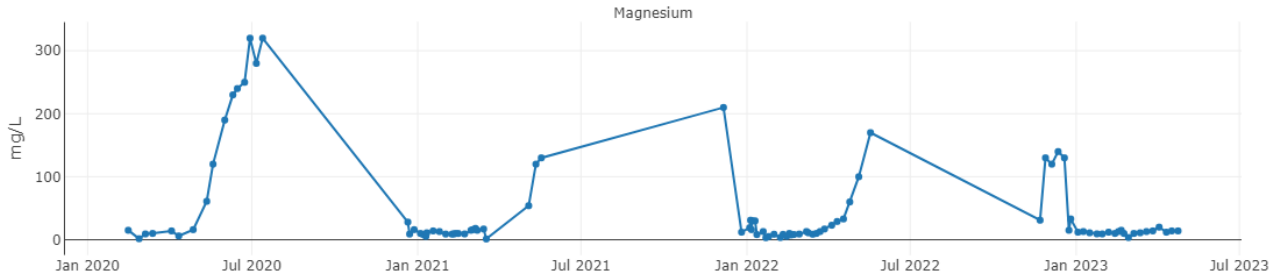

Hardness as CaCO3
mg/L
1500
1000
500
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

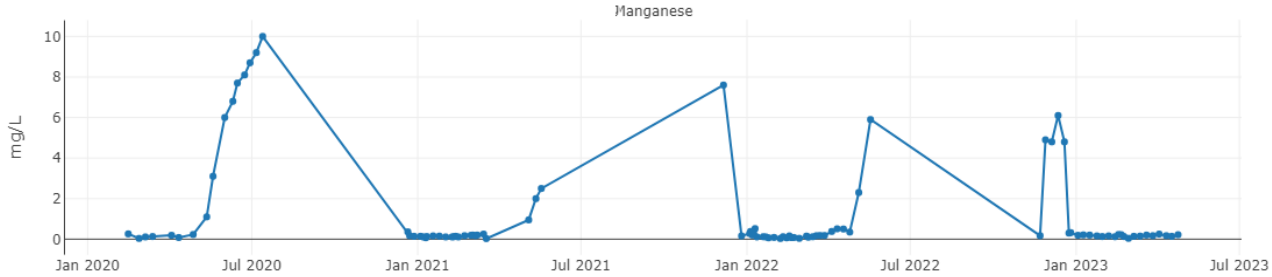

Iron
mg/L
1.5
1
0.5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

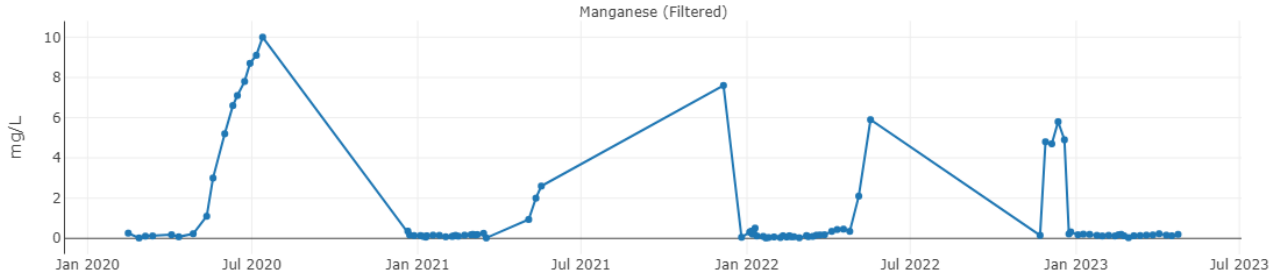

Iron (Filtered)
mg/L
0.4
0.3
0.2
0.1
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

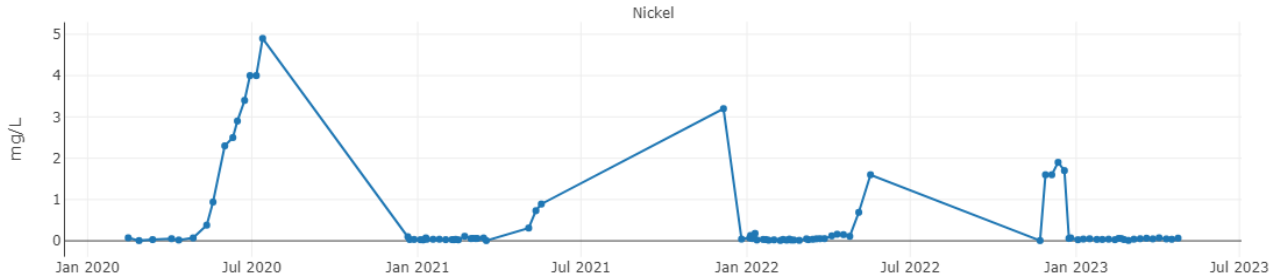

Lead
mg/L
0.01
0.005
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

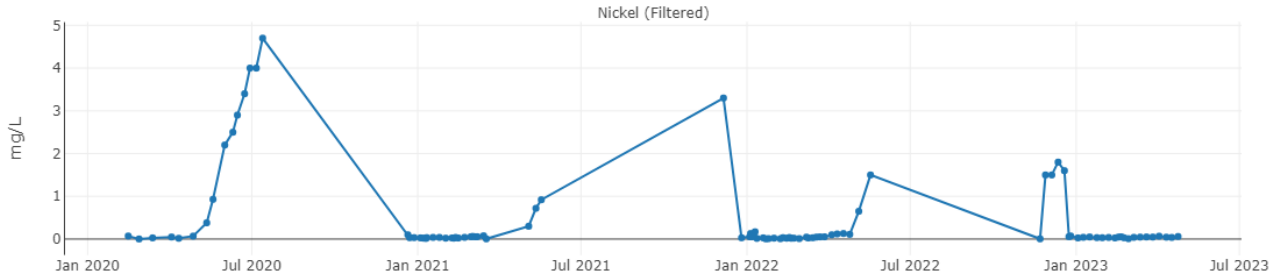

Lead (Filtered)
mg/L
0.006
0.004
0.002
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

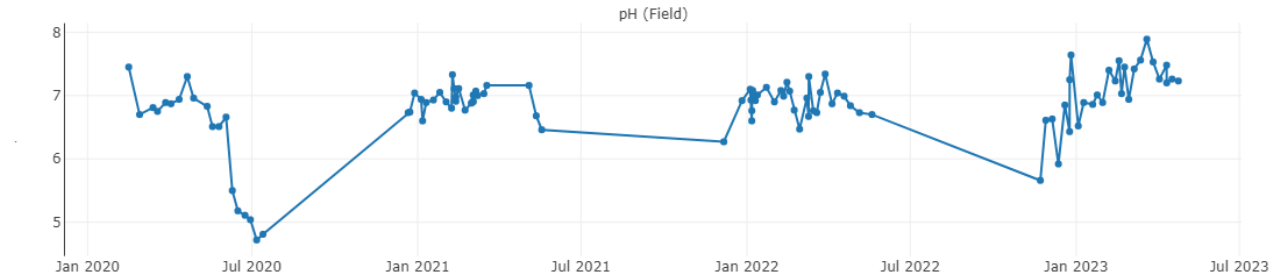

Magnesium
mg/L
300
200
100
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

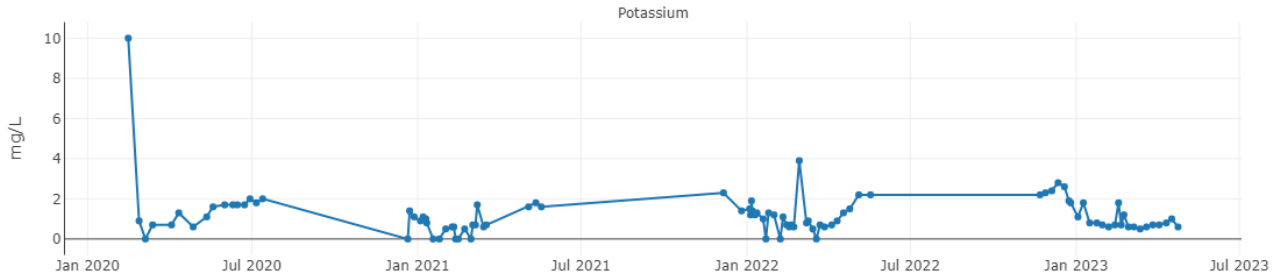

Manganese
mg/L
10
8
6
4
2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Manganese (Filtered)
mg/L
10
8
6
4
2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

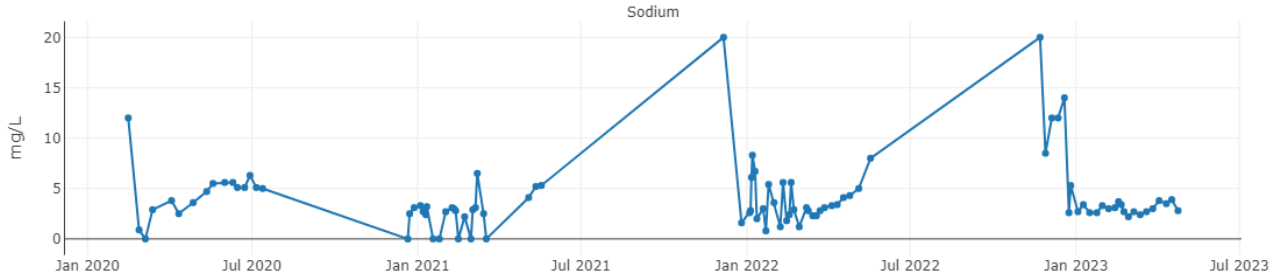

Nickel
mg/L
5
4
3
2
1
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

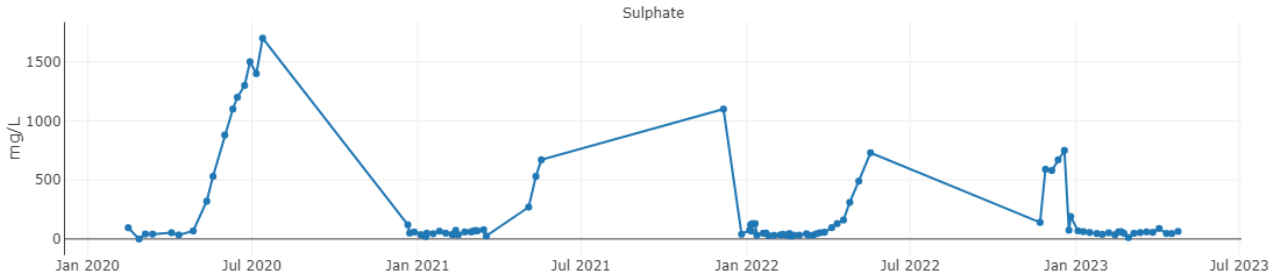

Nickel (Filtered)
mg/L
5
4
3
2
1
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

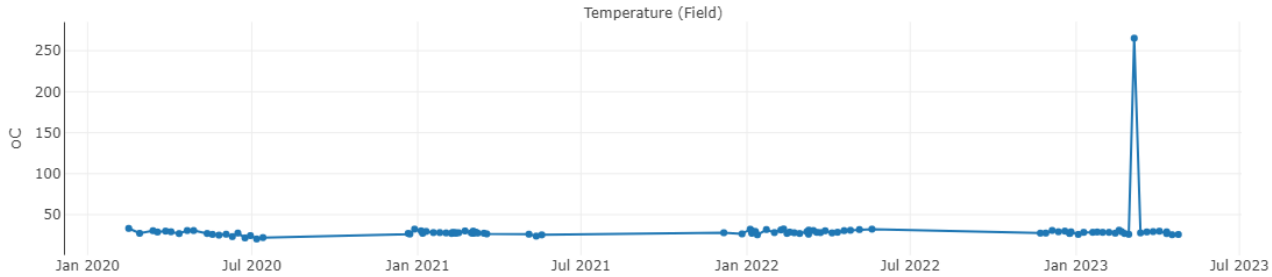

pH (Field)
8
7
6
5
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

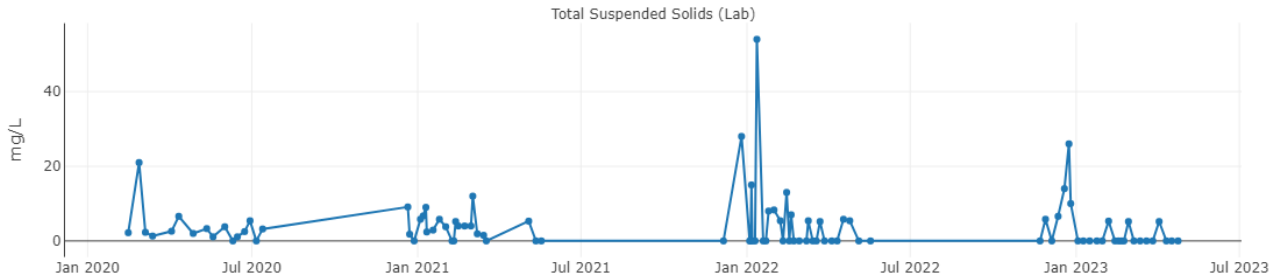

Potassium
mg/L
10
8
6
4
2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

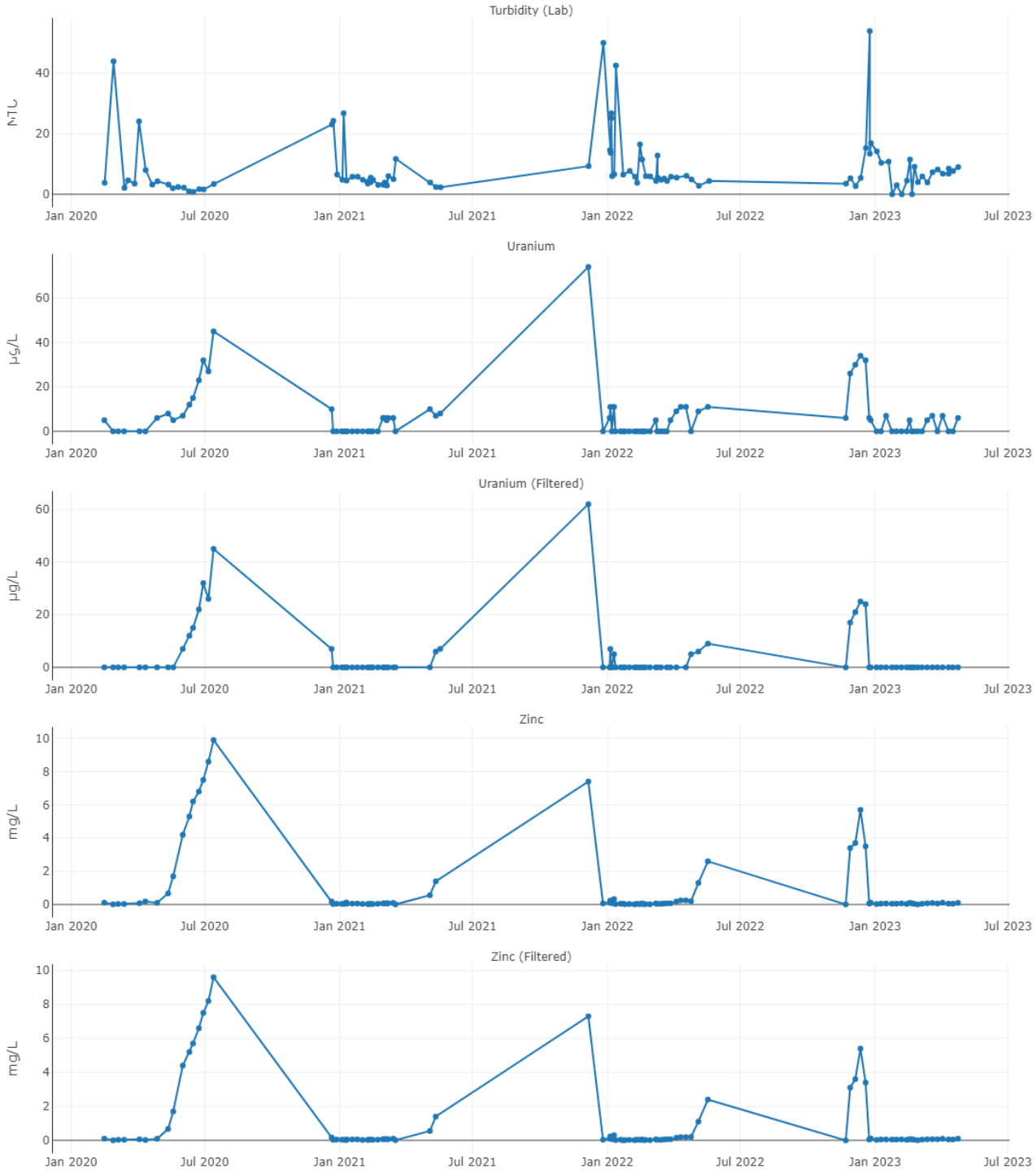

Redox Potential (Field)
mV
500
300
200
100
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Sodium
mg/L
20
15
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Sulphate
mg/L
1500
1000
500
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

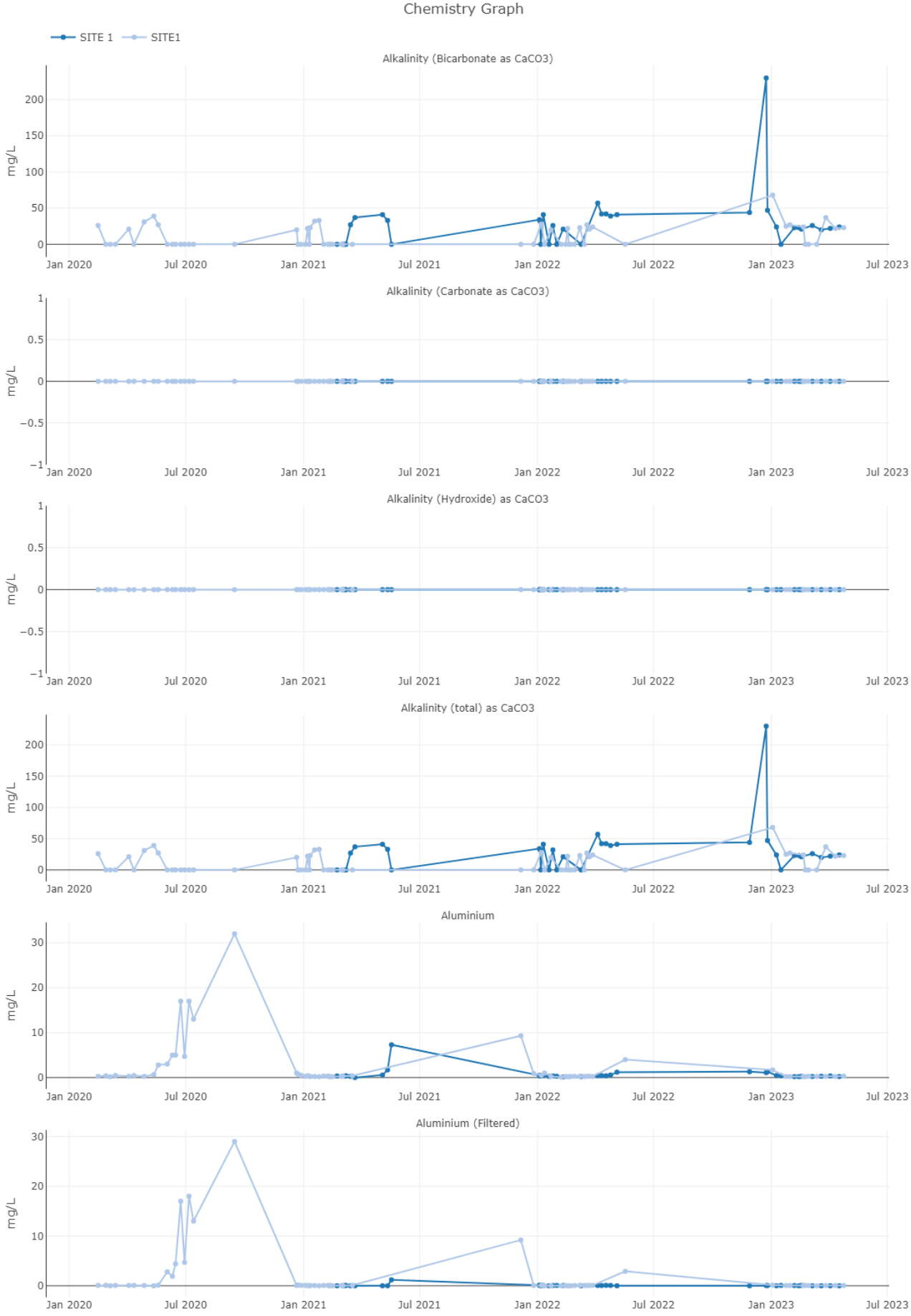

Temperature (Field)
oC
250
200
150
100
50
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

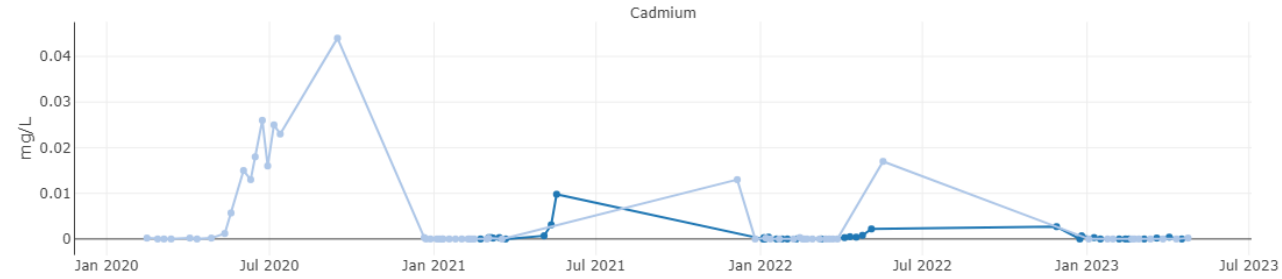

Total Suspended Solids (Lab)
mg/L
40
20
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

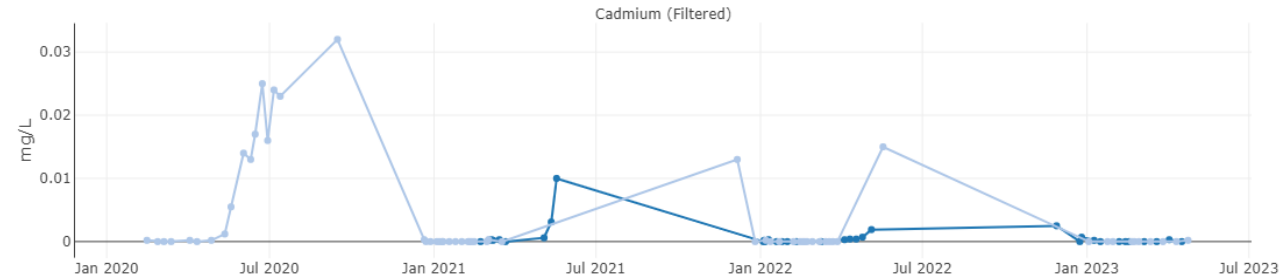


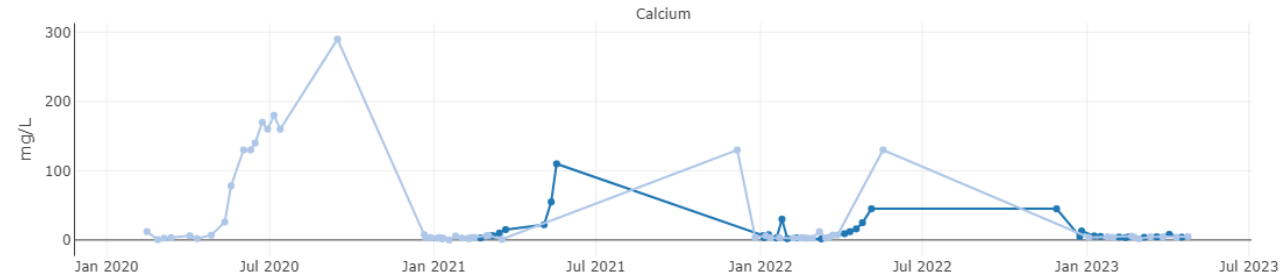
The report was generated based on the following filter:
Sampled Date between "01 Jan 2020" and "30 Apr 2023",
Locations In "GS200"

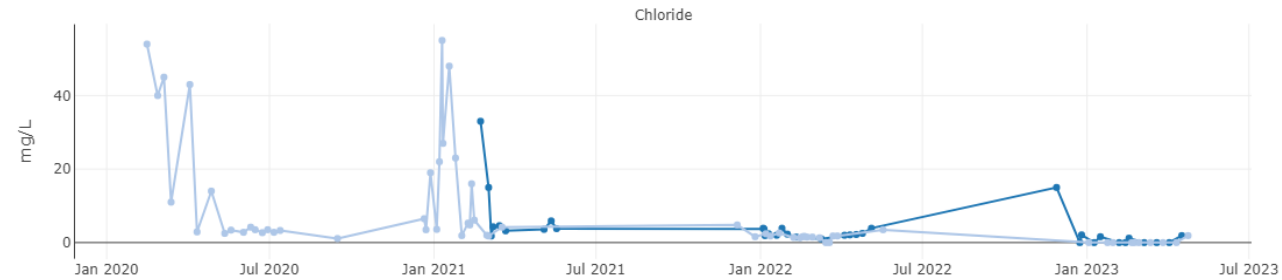
Publication Date: 04 May 2023

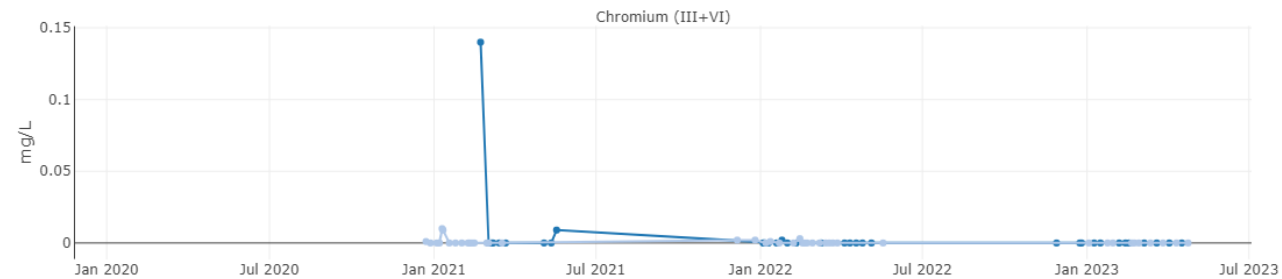

Chemistry Graph
SITE 1
SITE1
Alkalinity (Bicarbonate as CaCO3)
Alkalinity (Carbonate as CaCO3)
Alkalinity (Hydroxide) as CaCO3
Alkalinity (total) as CaCO3
Aluminium
Aluminium (Filtered)
mg/L
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

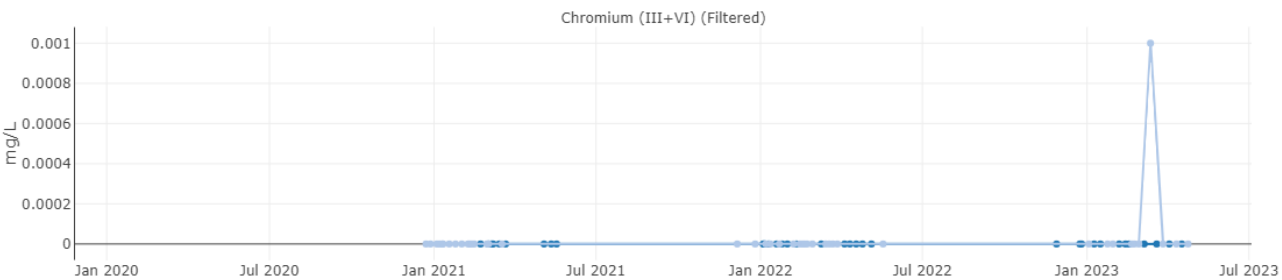

Cadmium
mg/L
0.04
0.03
0.02
0.01
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

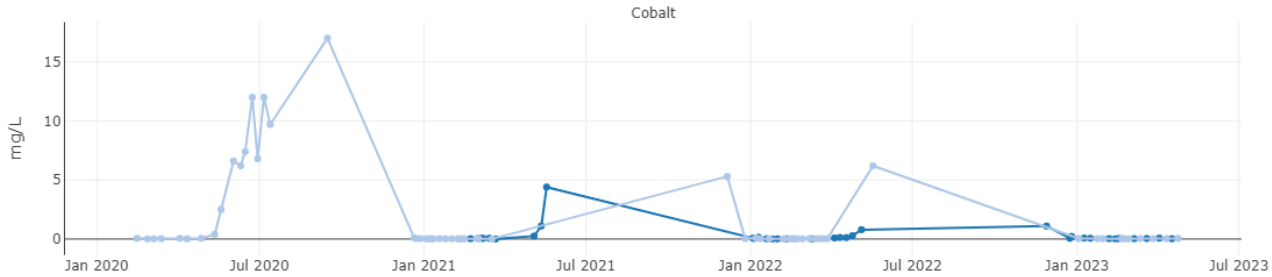

Cadmium (Filtered)
mg/L
0.03
0.02
0.01
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

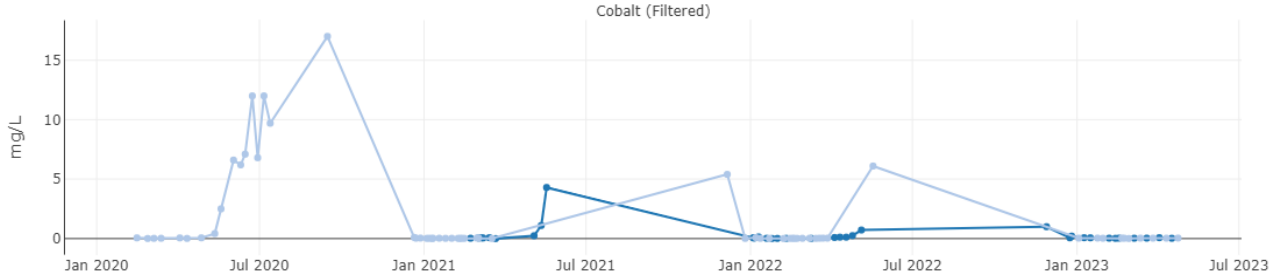

Calcium
mg/L
300
200
100
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

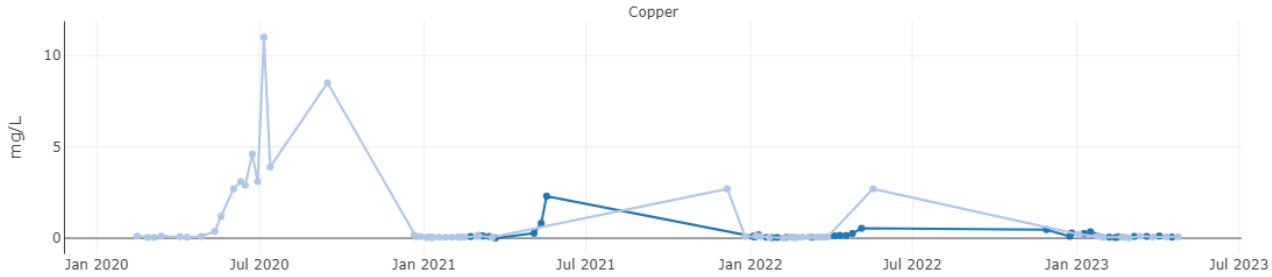

Chloride
mg/L
40
20
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

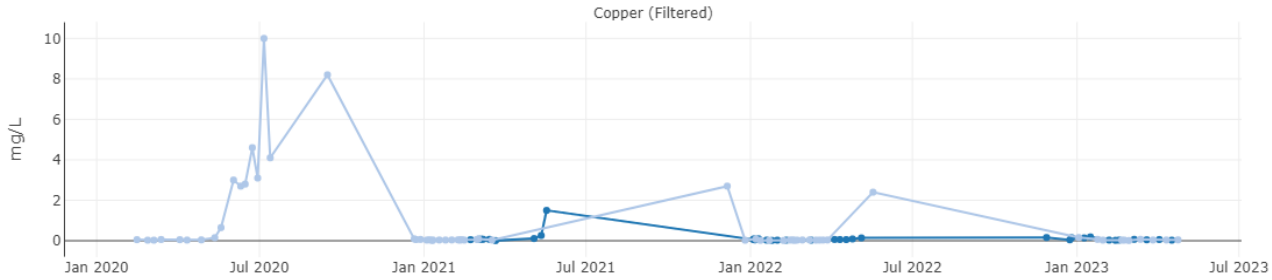

Chromium (III+VI)
mg/L
0.15
0.1
0.05
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

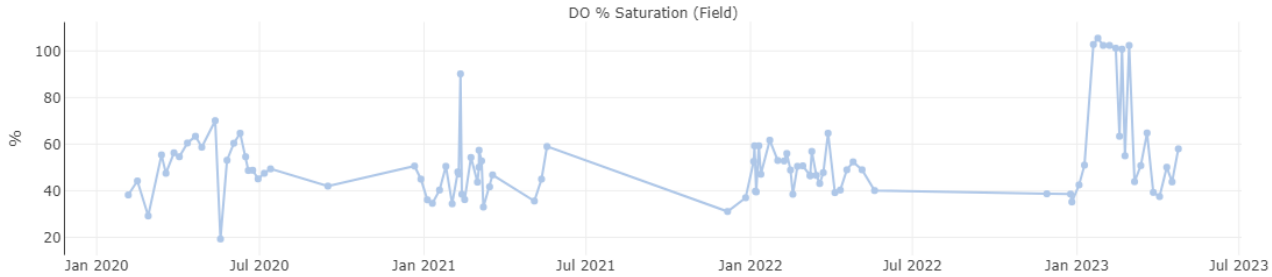

Chromium (III+VI) (Filtered)
mg/L
0.001
0.0008
0.0006
0.0004
0.0002
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

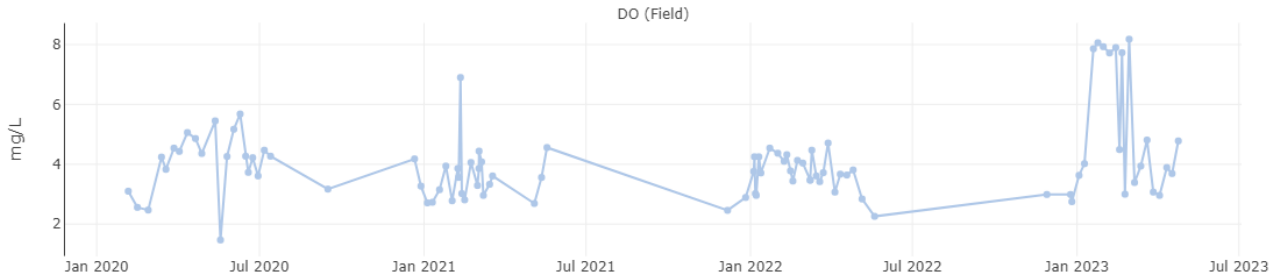

Cobalt
mg/L
15
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

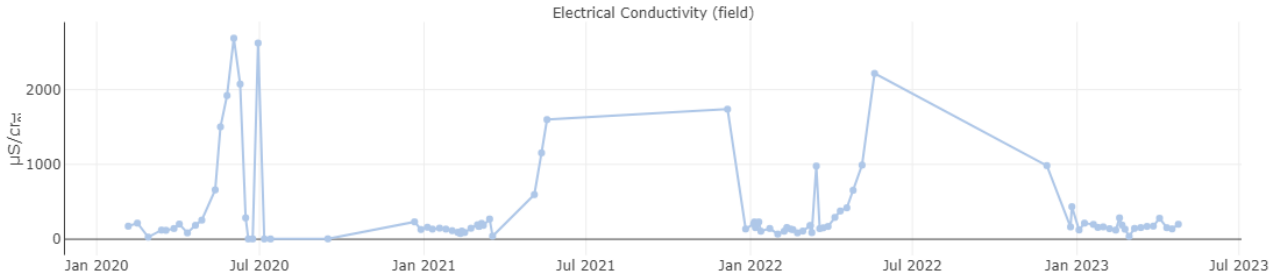

Cobalt (Filtered)
mg/L
15
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

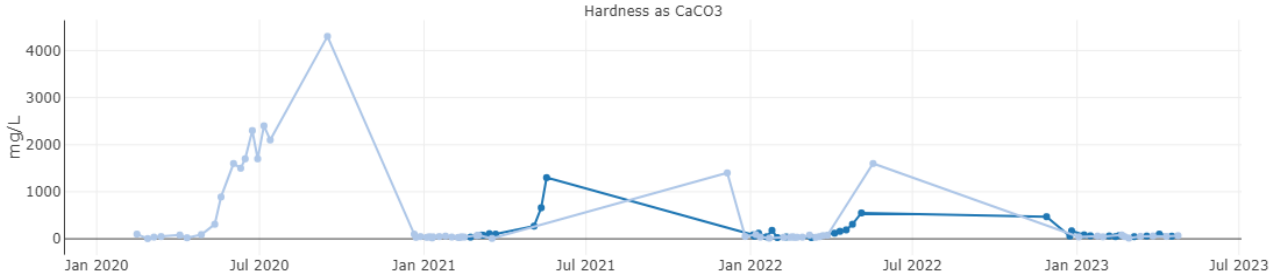

Copper
mg/L
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

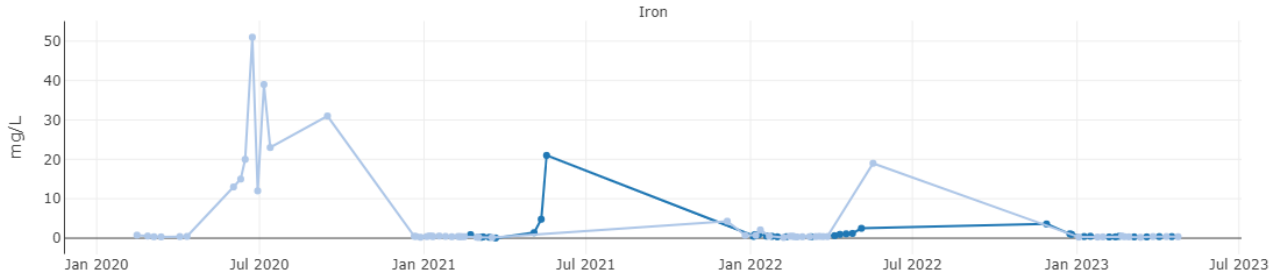

Copper (Filtered)
mg/L
10
8
6
4
2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

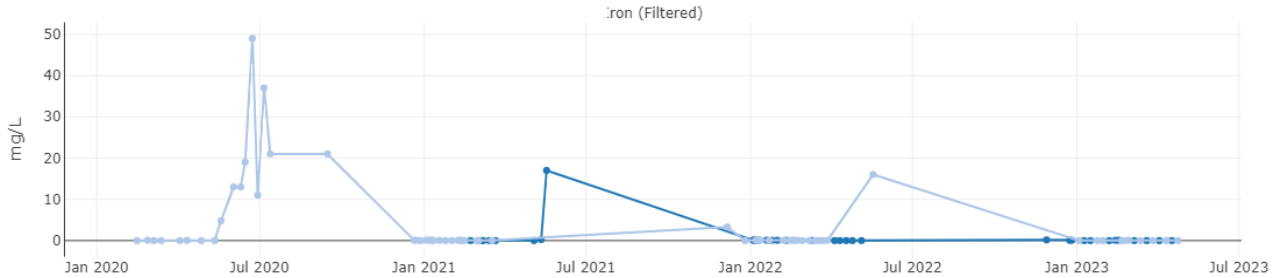

DO % Saturation (Field)
%
100
80
60
40
20
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


DO (Field)
mg/L
8
6
4
2
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

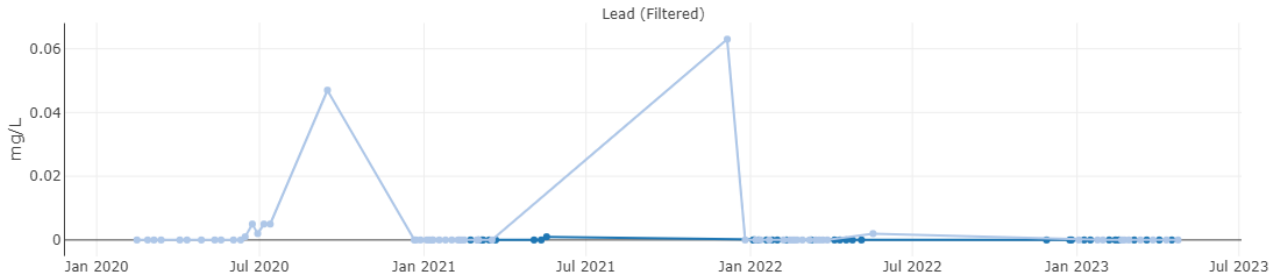

Electrical Conductivity (field)
µS/cm
2000
1000
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

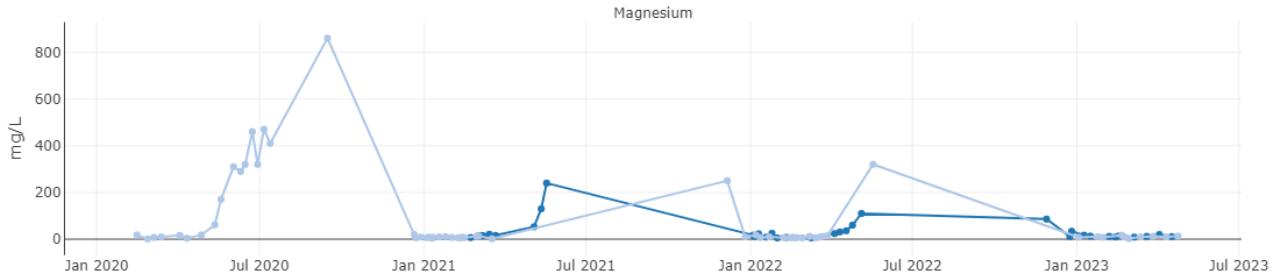

Hardness as CaCO3
mg/L
4000
3000
2000
1000
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

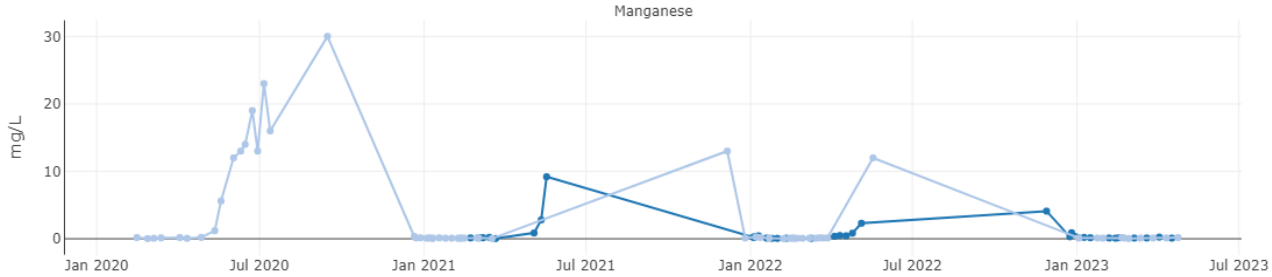

Iron
mg/L
50
40
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

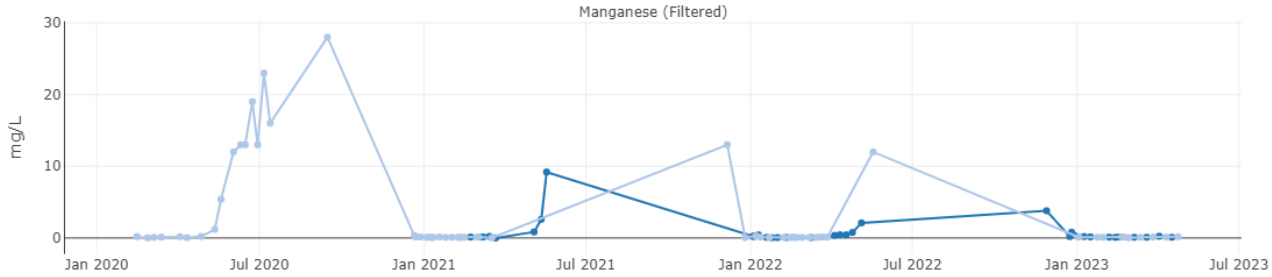

:ron (Filtered)
mg/L
50
40
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

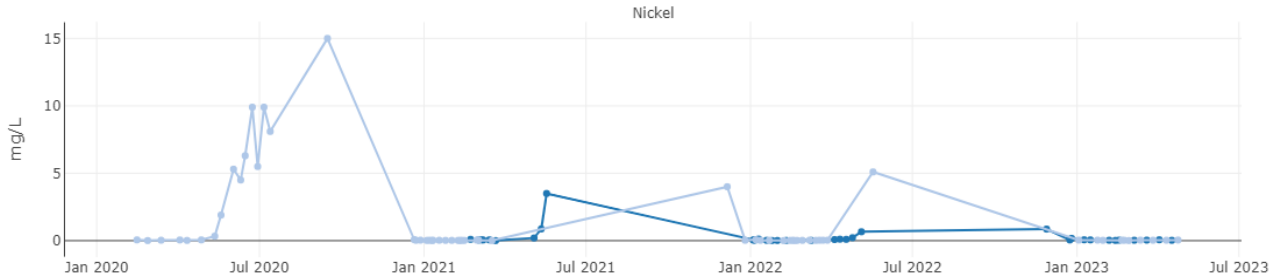

Lead
mg/L
0.06
0.04
0.02
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

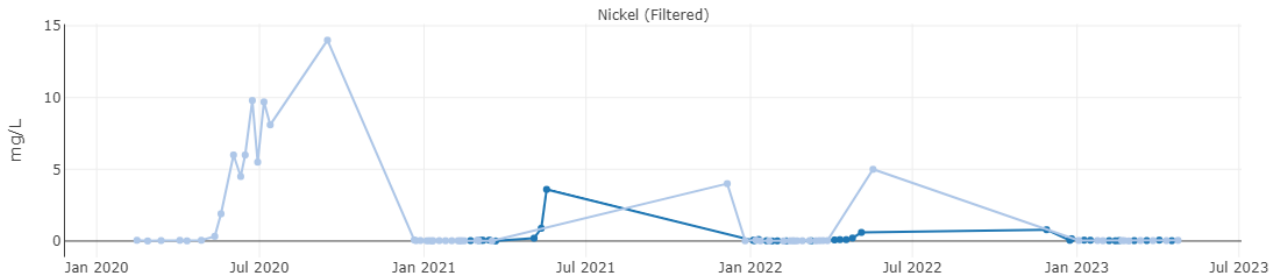

Lead (Filtered)
mg/L
0.06
0.04
0.02
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

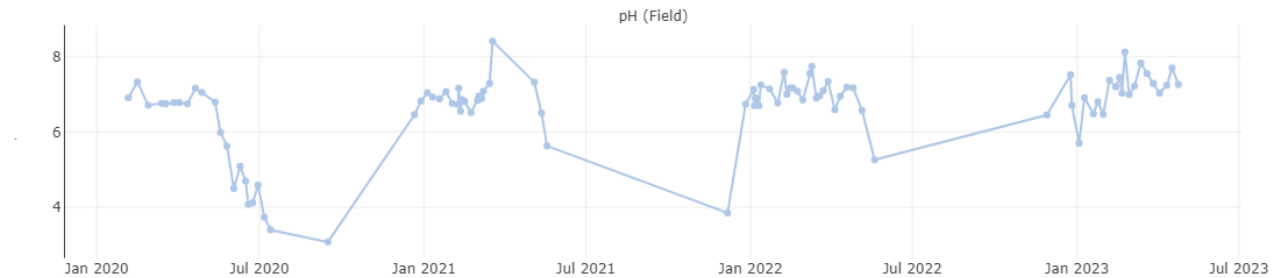

Magnesium
mg/L
800
600
400
200
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

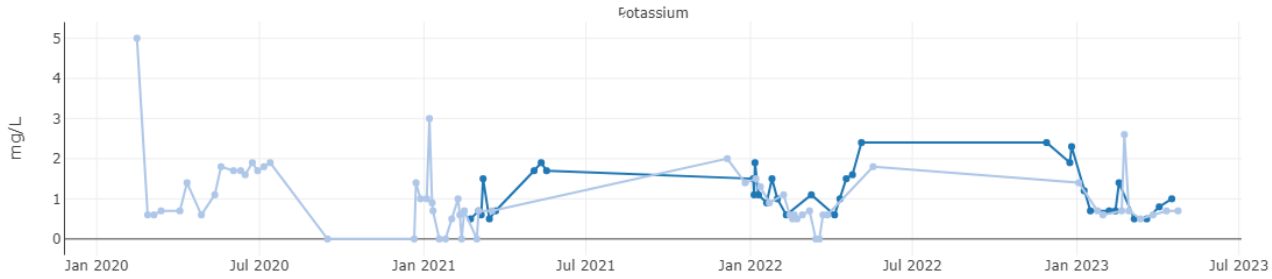

Manganese
mg/L
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

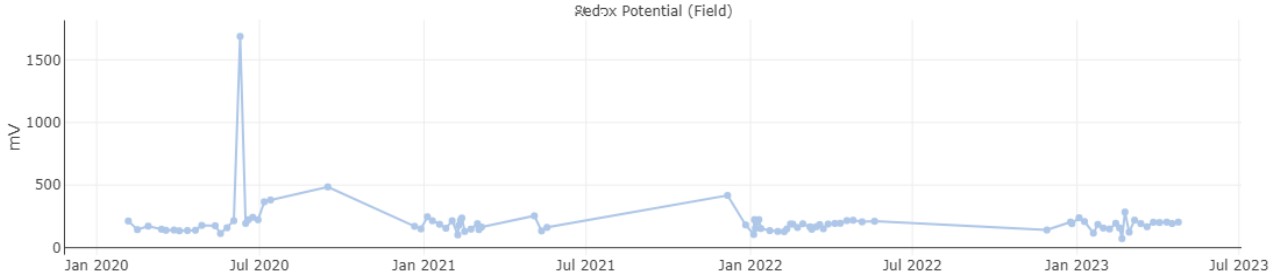

Manganese (Filtered)
mg/L
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

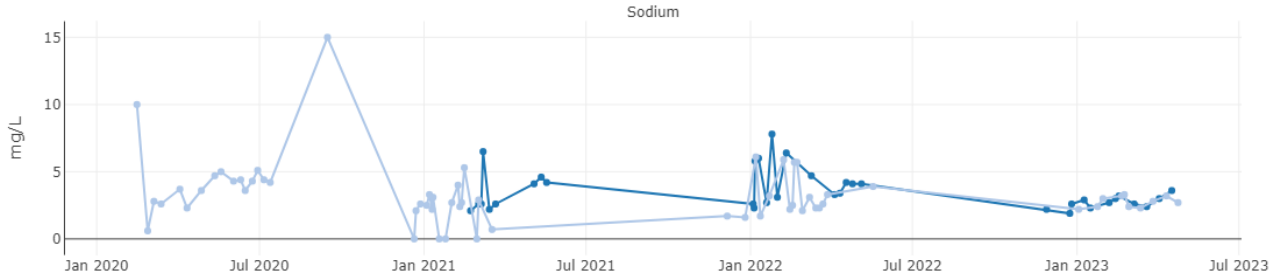

Nickel
mg/L
15
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

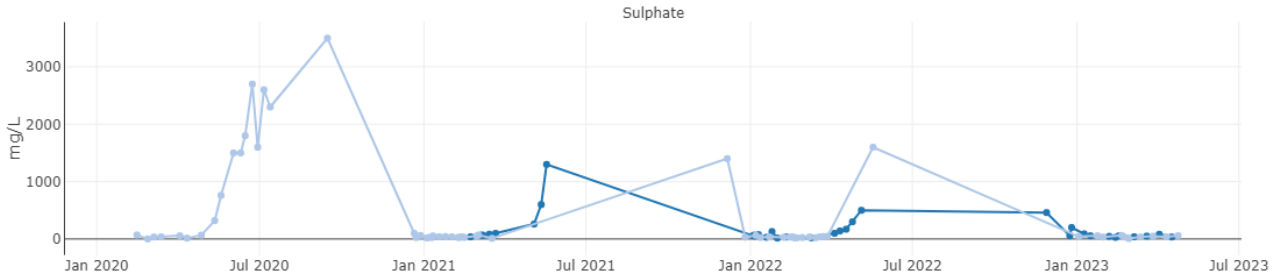

Nickel (Filtered)
mg/L
15
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

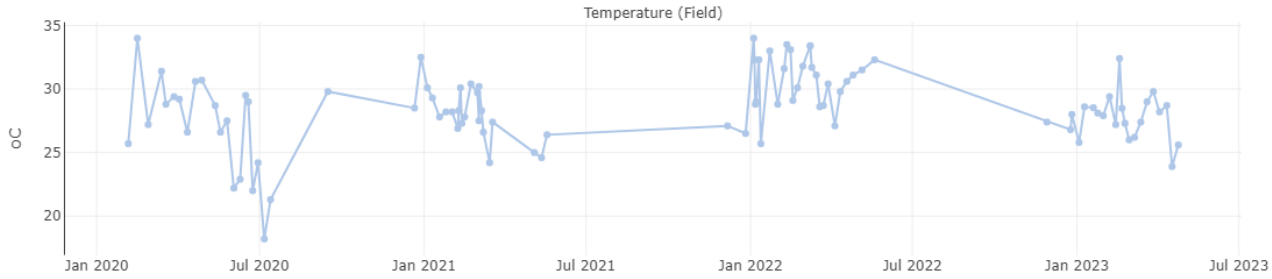

pH (Field)
8
6
4
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

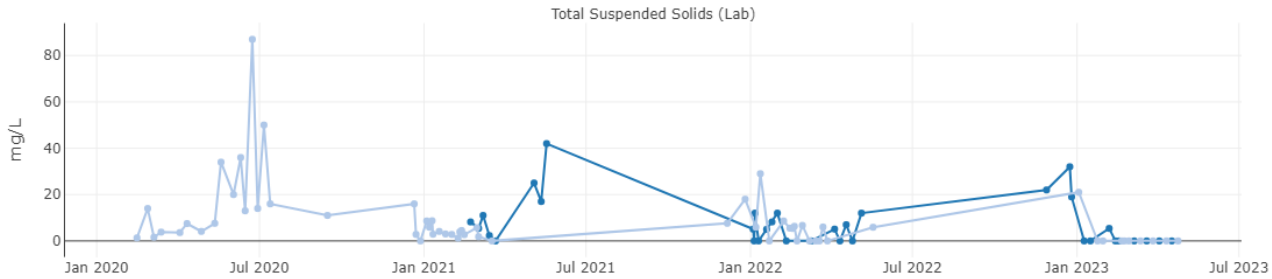

Potassium
mg/L
5
4
3
2
1
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

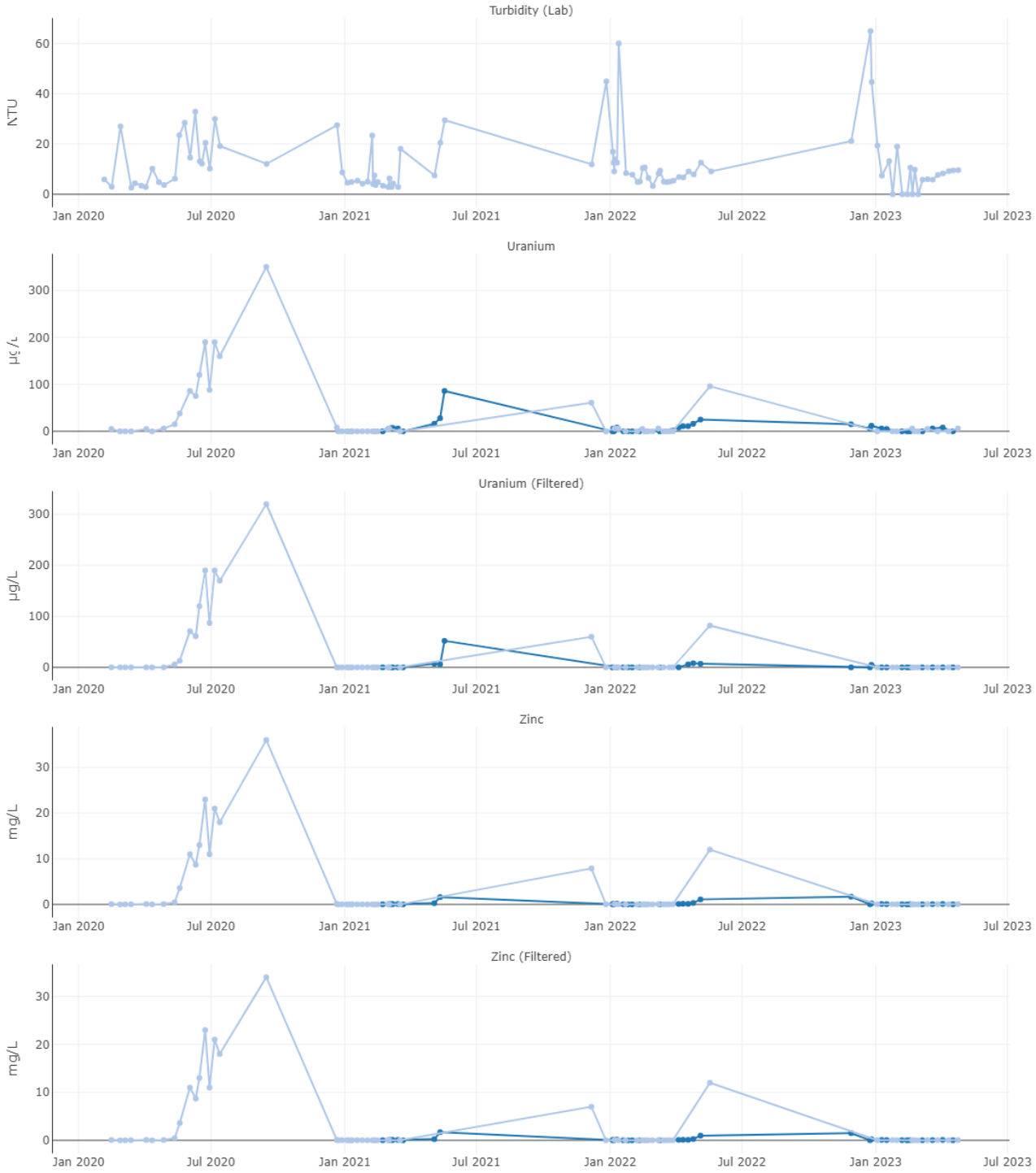

Redox Potential (Field)
mV
1500
1000
500
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Sodium
mg/L
15
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Sulphate
mg/L
3000
2000
1000
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

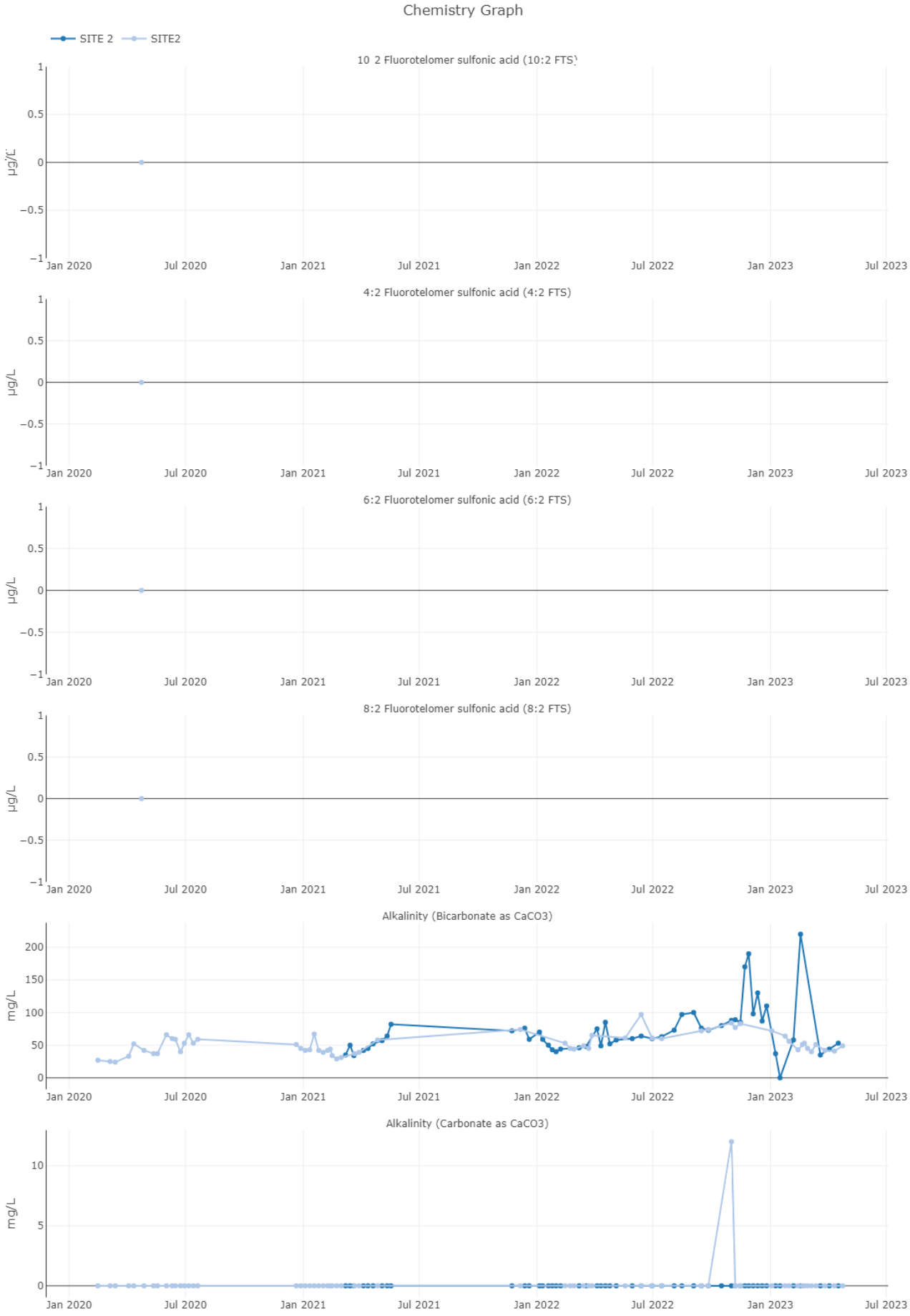

Temperature (Field)
oC
35
30
25
20
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

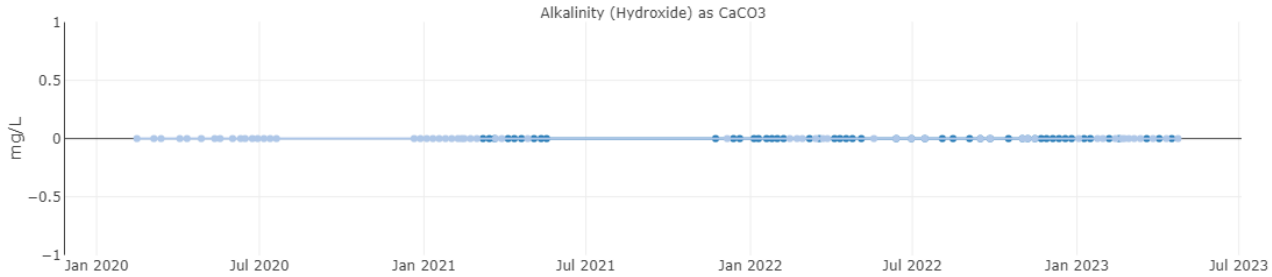

Total Suspended Solids (Lab)
mg/L
80
60
40
20
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

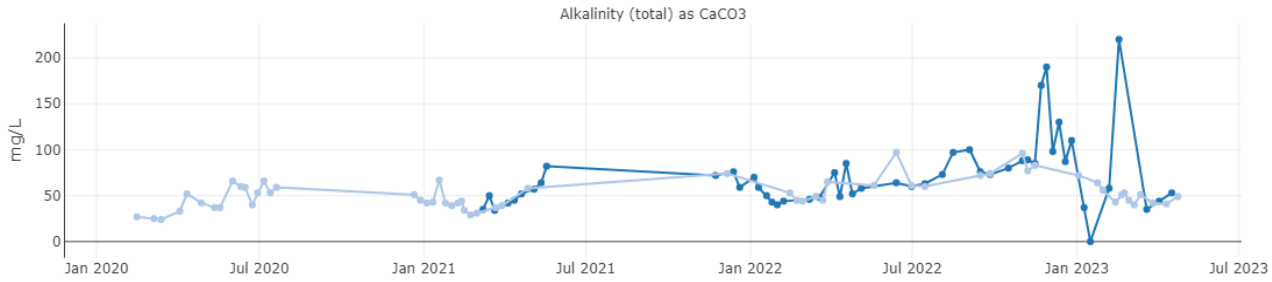


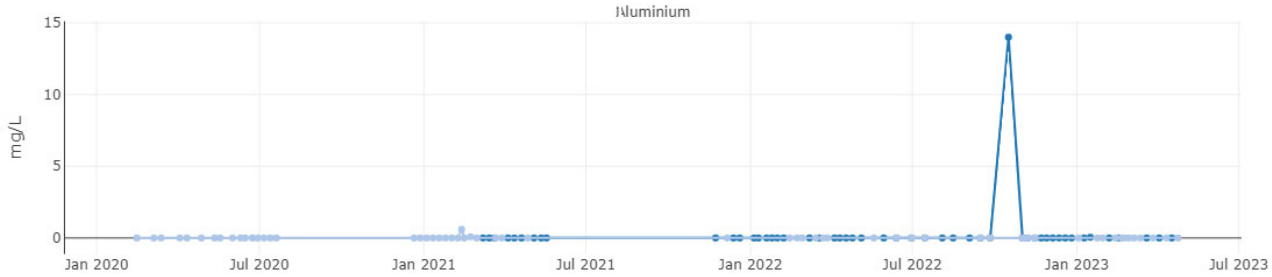
The report was generated based on the following filter:
Sampled Date between "01 Jan 2020" and "30 Apr 2023",
Locations In "SITE 1,SITE1"

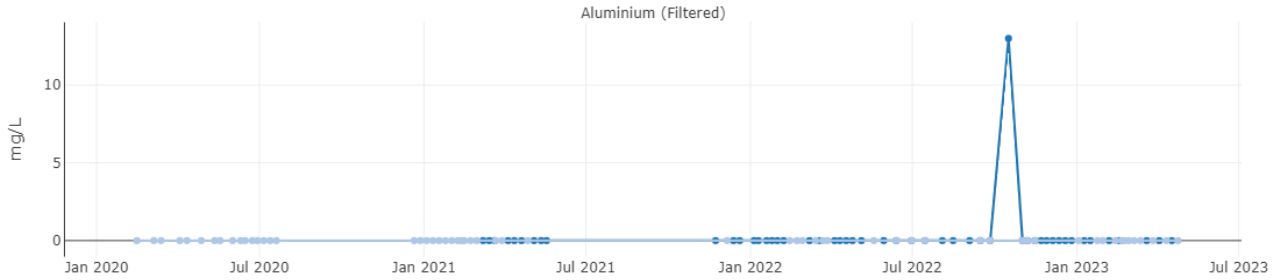
Publication Date: 04 May 2023

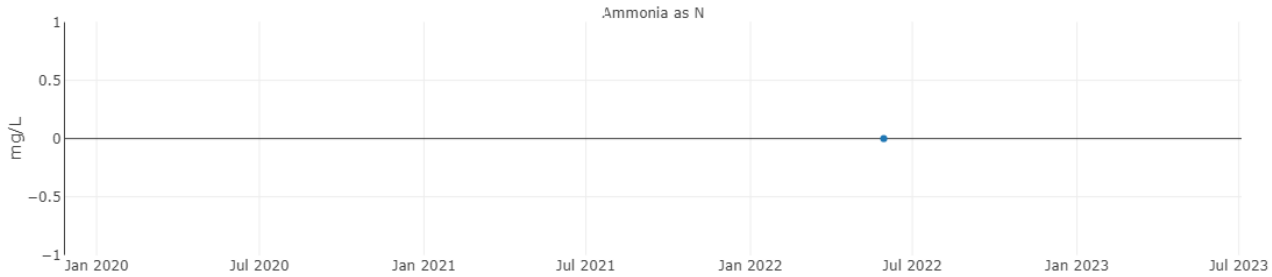

Chemistry Graph
SITE 2
SITE2
10 2 Fluorotelomer sulfonic acid (10:2 FTS)
4:2 Fluorotelomer sulfonic acid (4:2 FTS)
6:2 Fluorotelomer sulfonic acid (6:2 FTS)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)
Alkalinity (Bicarbonate as CaCO3)
Alkalinity (Carbonate as CaCO3)
µg/L
mg/L
1
0.5
0
−0.5
−1
200
150
100
50
10
5
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

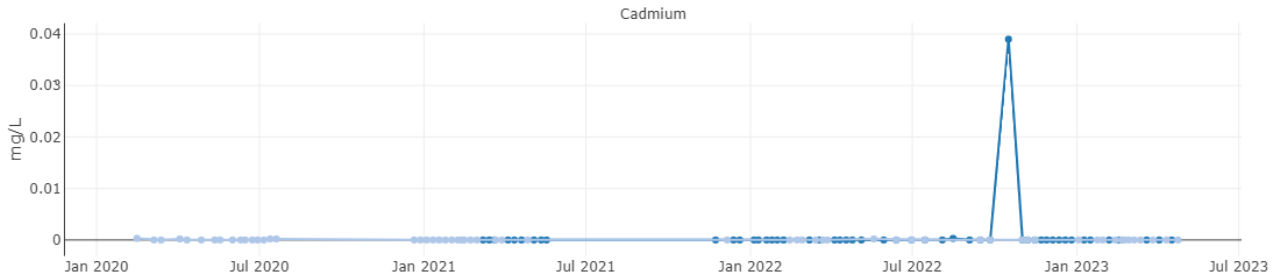

Alkalinity (Hydroxide) as CaCO3
mg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

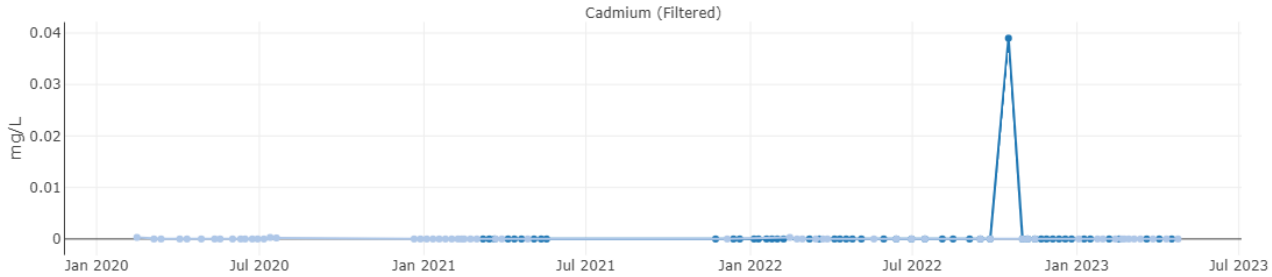

Alkalinity (total) as CaCO3
mg/L
200
150
100
50
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

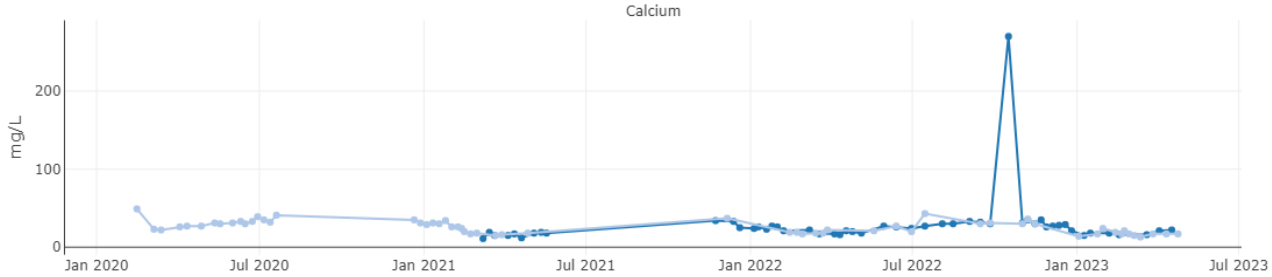

Aluminium
mg/L
15
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

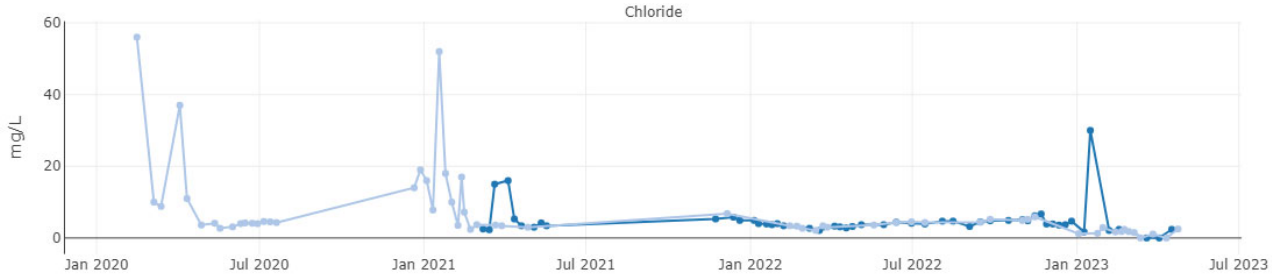

Aluminium (Filtered)
mg/L
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

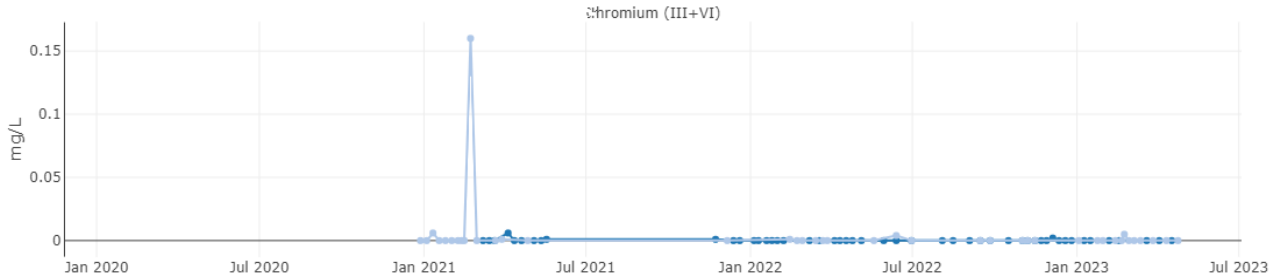

Ammonia as N
mg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

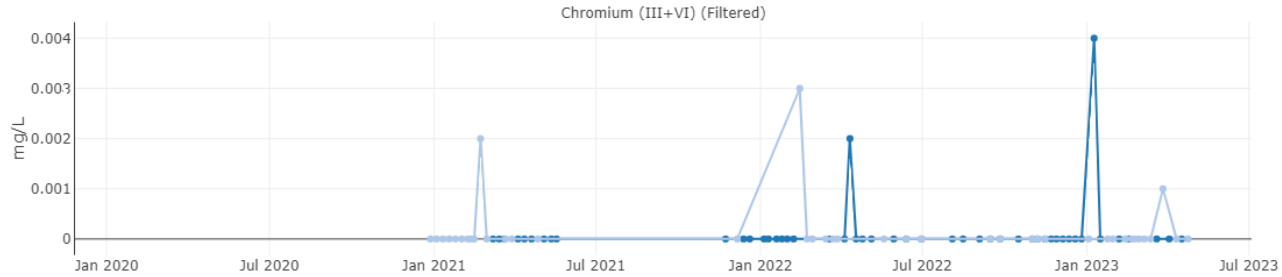

Cadmium
mg/L
0.04
0.03
0.02
0.01
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

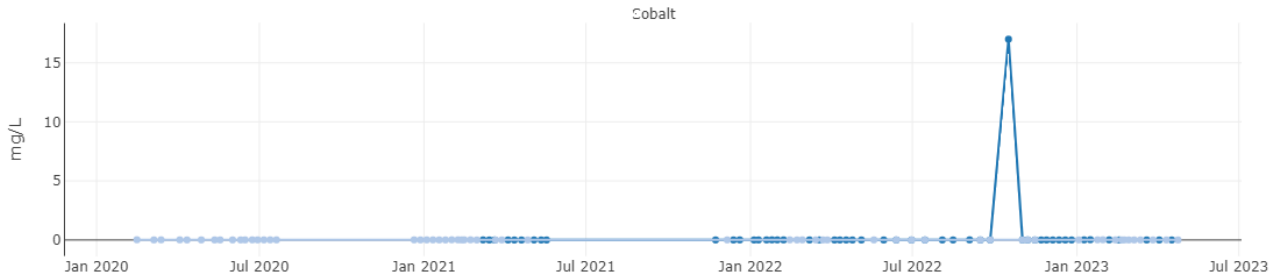

Cadmium (Filtered)
mg/L
0.04
0.03
0.02
0.01
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

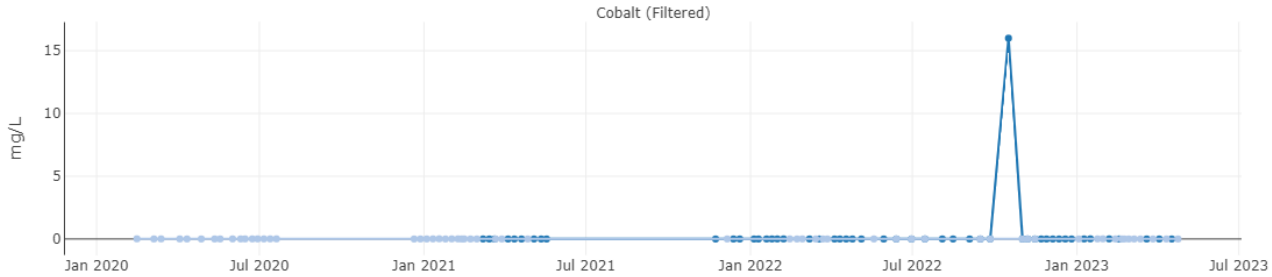

Calcium
mg/L
200
100
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

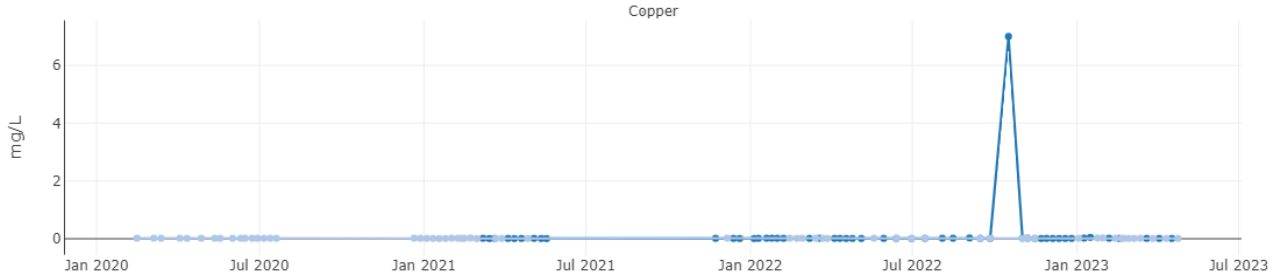

Chloride
mg/L
60
40
20
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

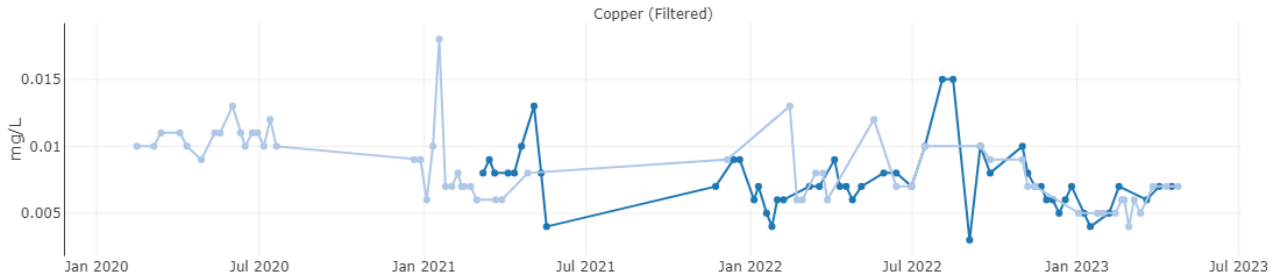

Chromium (III+VI)
mg/L
0.15
0.1
0.05
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

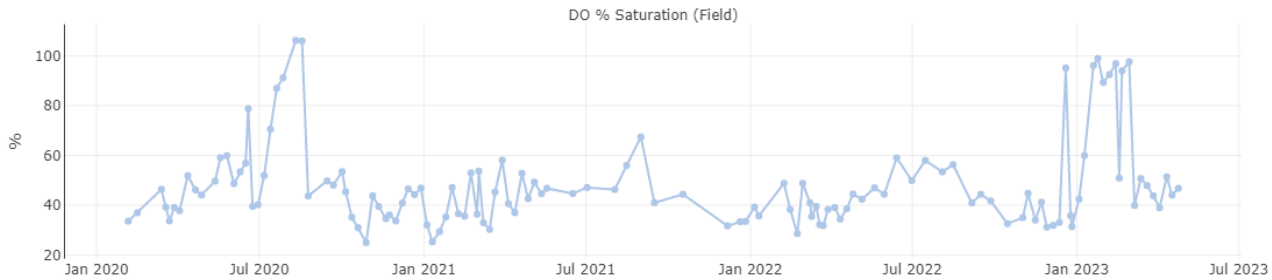

Chromium (III+VI) (Filtered)
mg/L
0.004
0.003
0.002
0.001
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

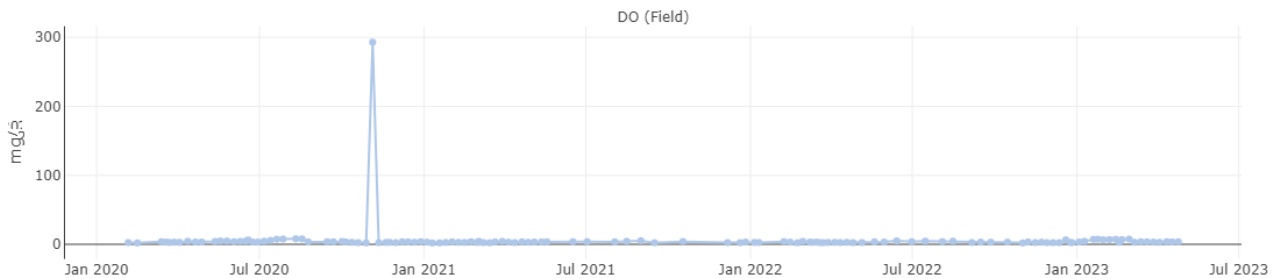

Cobalt
mg/L
15
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

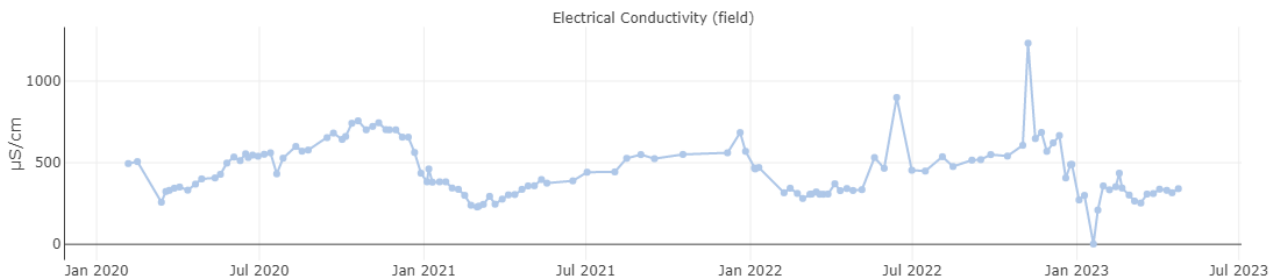

Cobalt (Filtered)
mg/L
15
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

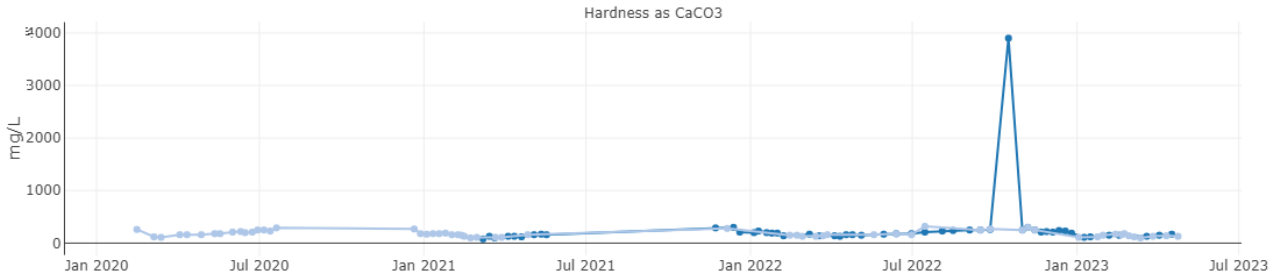

Copper
mg/L
6
4
2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

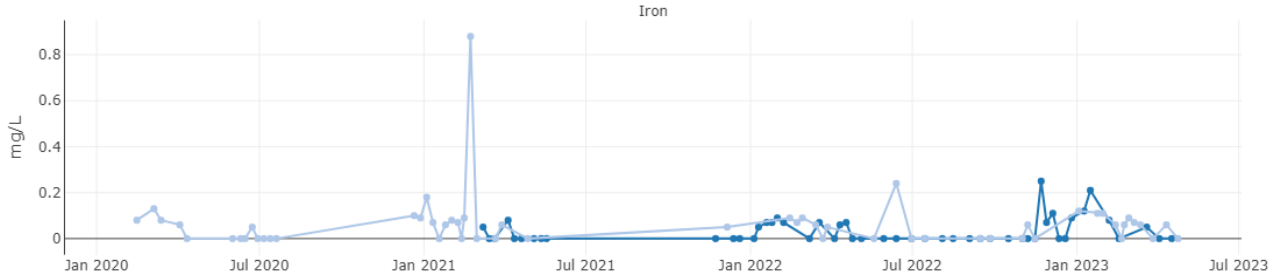

Copper (Filtered)
mg/L
0.015
0.01
0.005
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

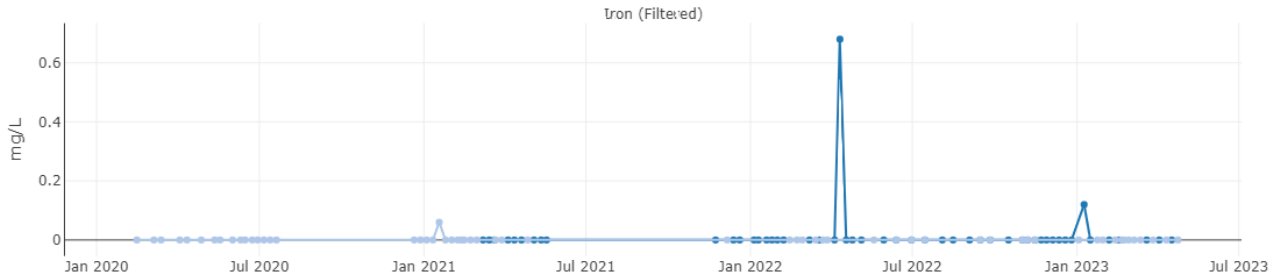

DO % Saturation (Field)
%
100
80
60
40
20
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

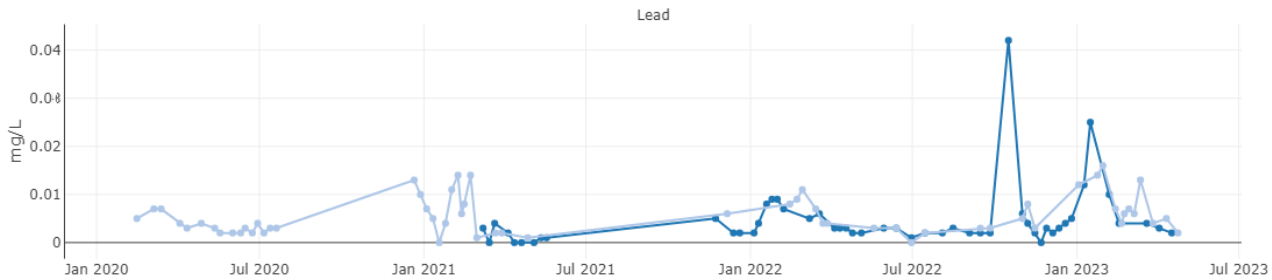

DO (Field)
mg/L
300
200
100
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

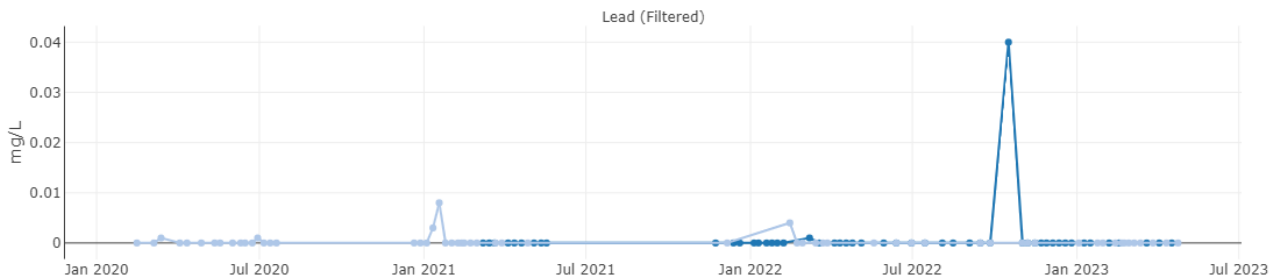

Electrical Conductivity (field)
µS/cm
1000
500
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

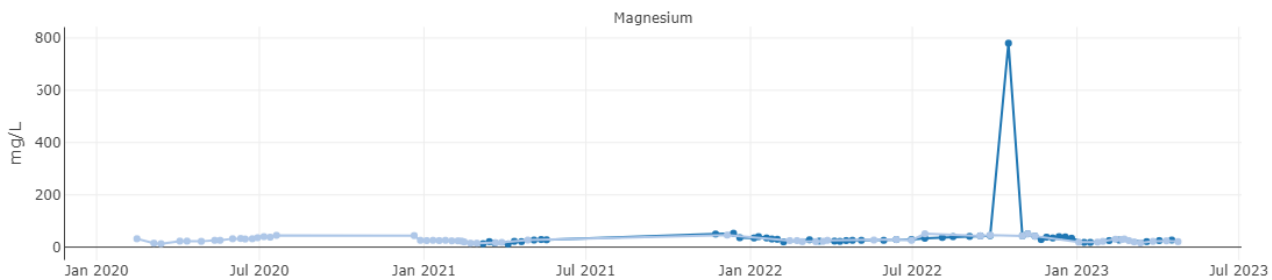

Hardness as CaCO3
mg/L
4000
3000
2000
1000
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

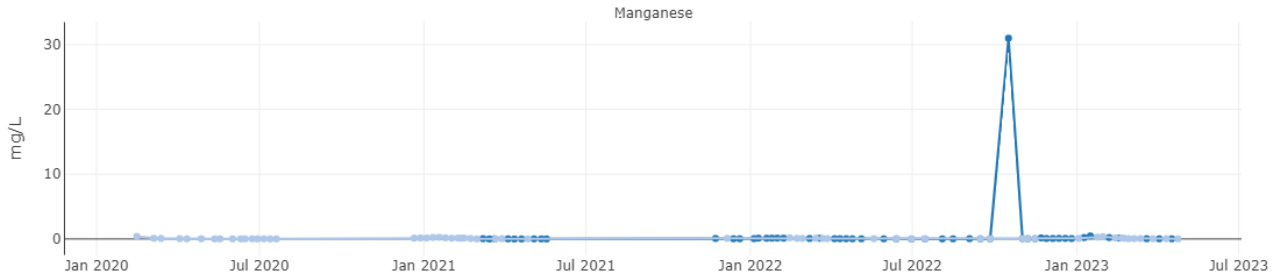

Iron
mg/L
0.8
0.6
0.4
0.2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

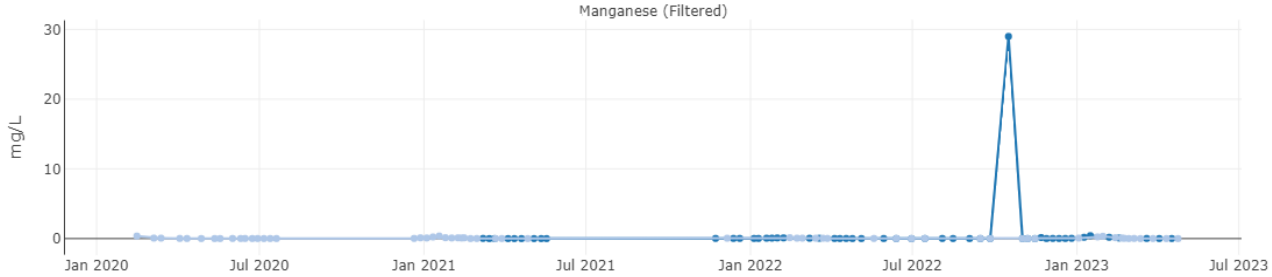

Iron (Filtered)
mg/L
0.6
0.4
0.2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

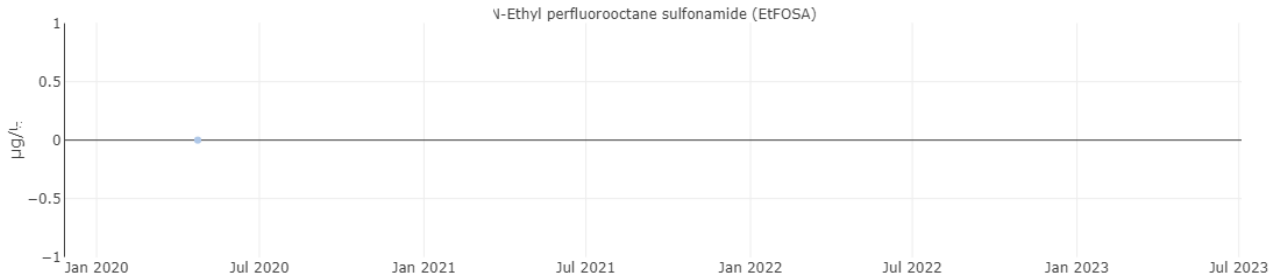

Lead
mg/L
0.04
0.03
0.02
0.01
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

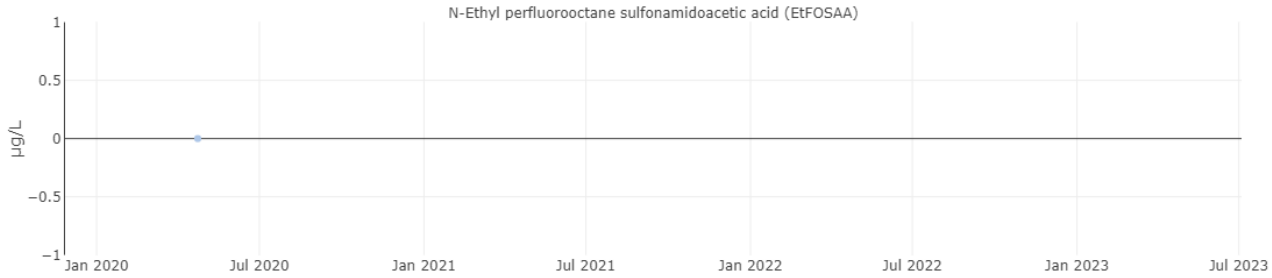

Lead (Filtered)
mg/L
0.04
0.03
0.02
0.01
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

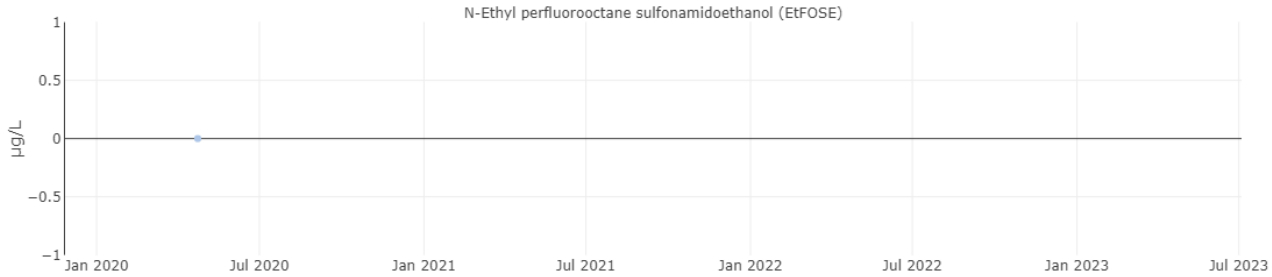

Magnesium
mg/L
800
300
400
200
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

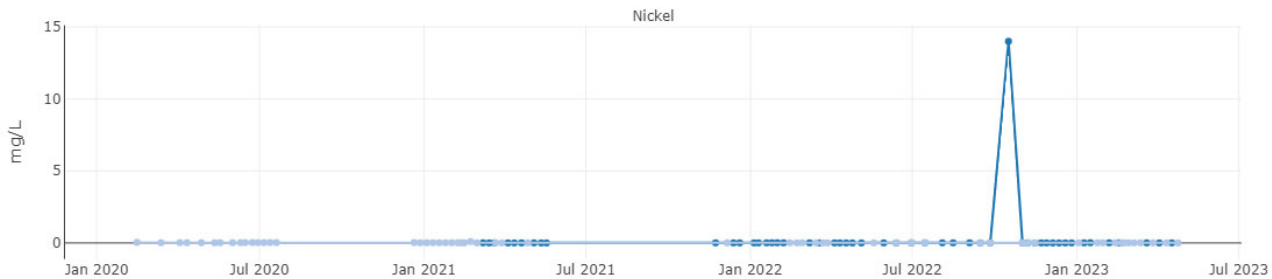

Manganese
mg/L
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

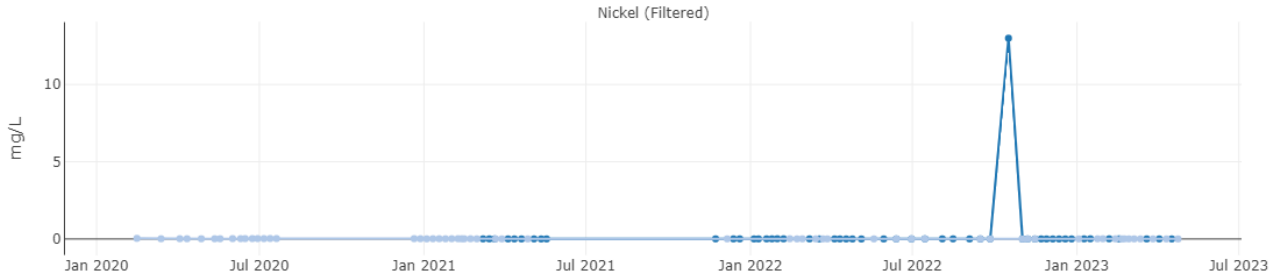

Manganese (Filtered)
mg/L
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

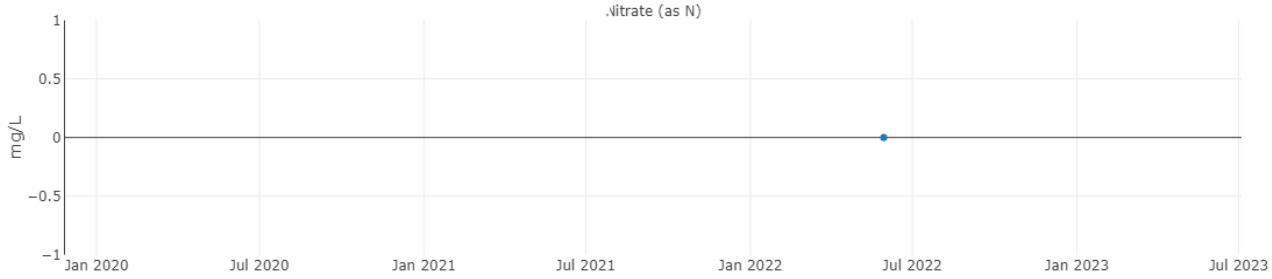

N-Ethyl perfluorooctane sulfonamide (EtFOSA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

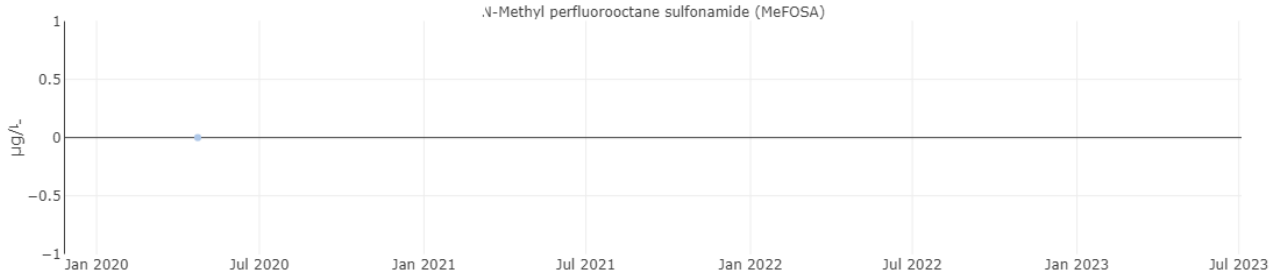

N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

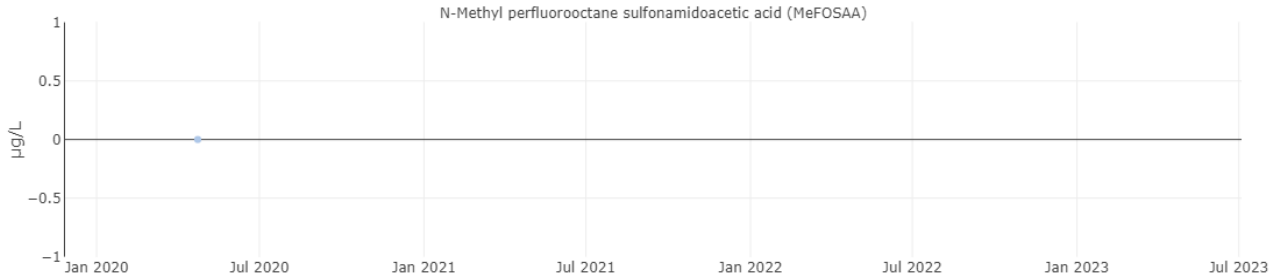

N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

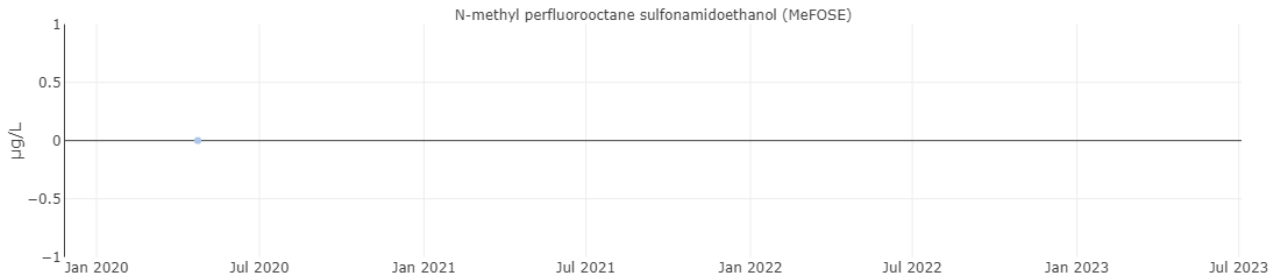

Nickel
mg/L
15
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

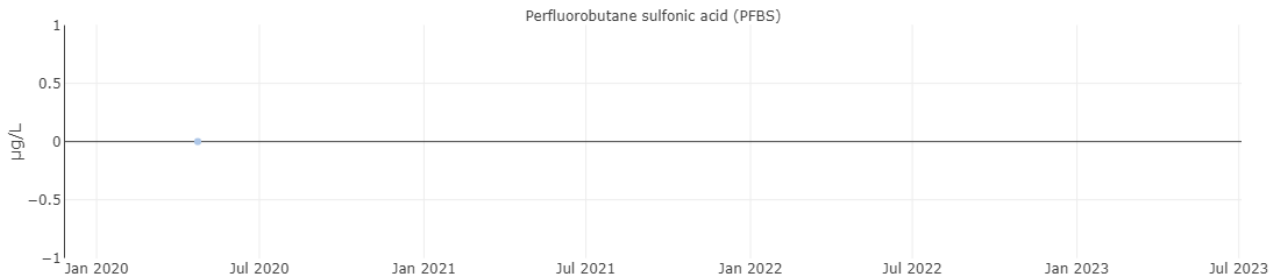

Nickel (Filtered)
mg/L
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

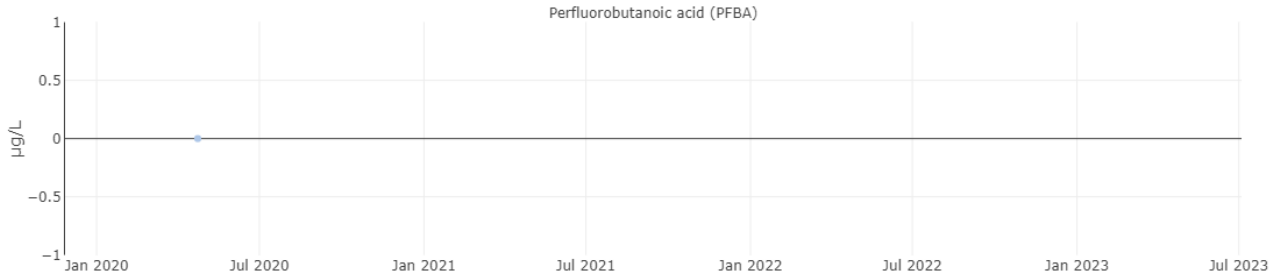

Nitrate (as N)
mg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

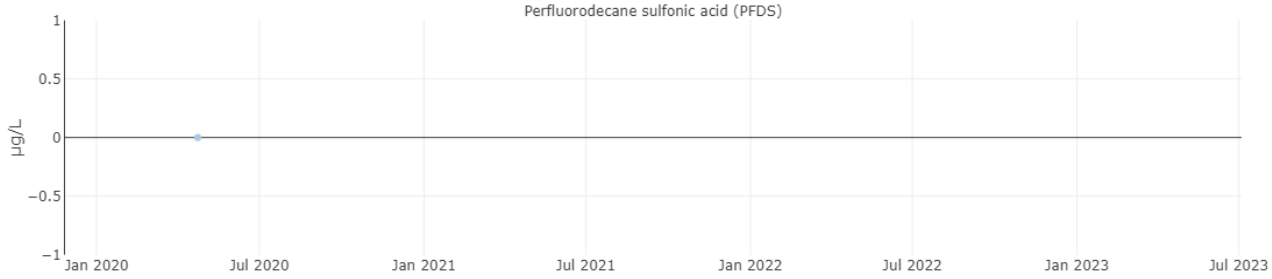

N-Methyl perfluorooctane sulfonamide (MeFOSA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

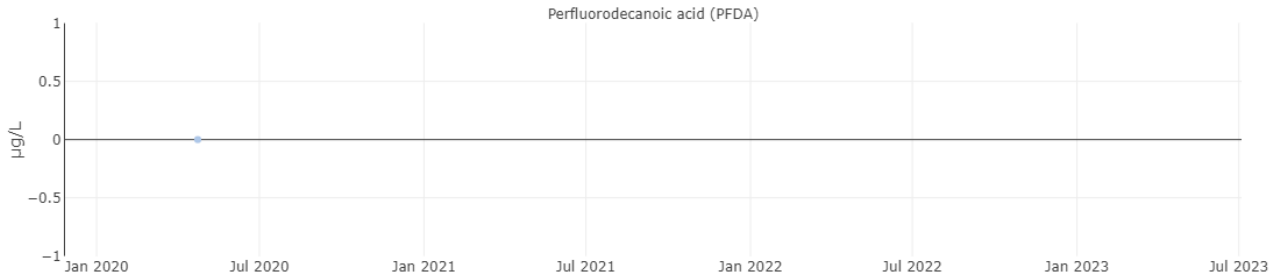

N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

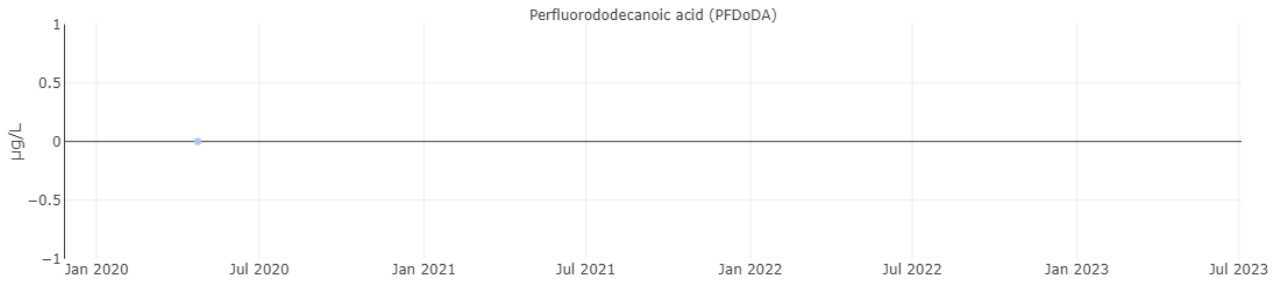

N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

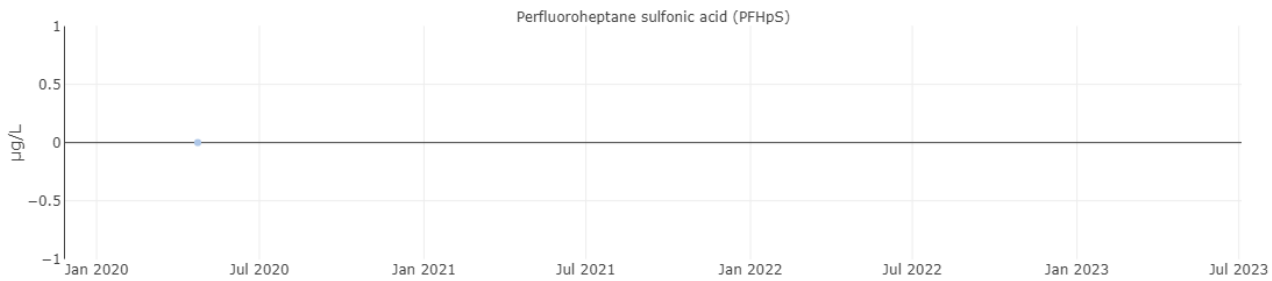

Perfluorobutane sulfonic acid (PFBS)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

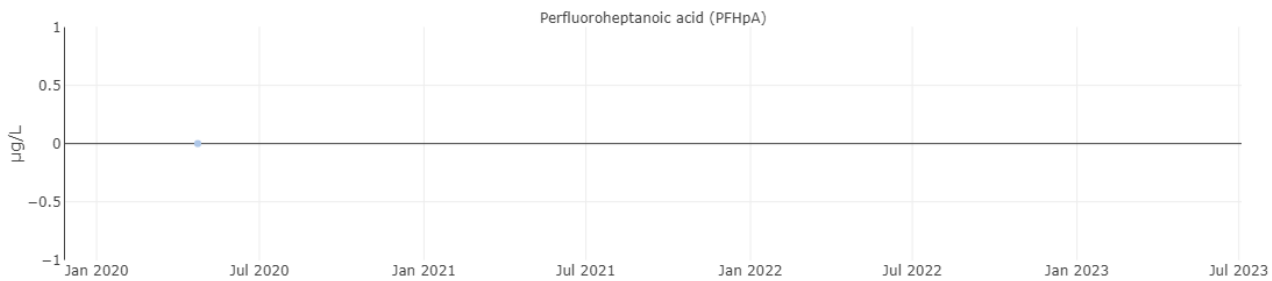

Perfluorobutanoic acid (PFBA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

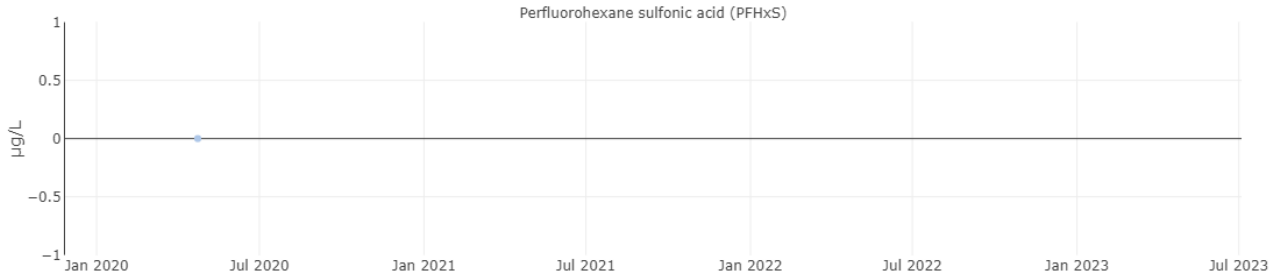

Perfluorodecane sulfonic acid (PFDS)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

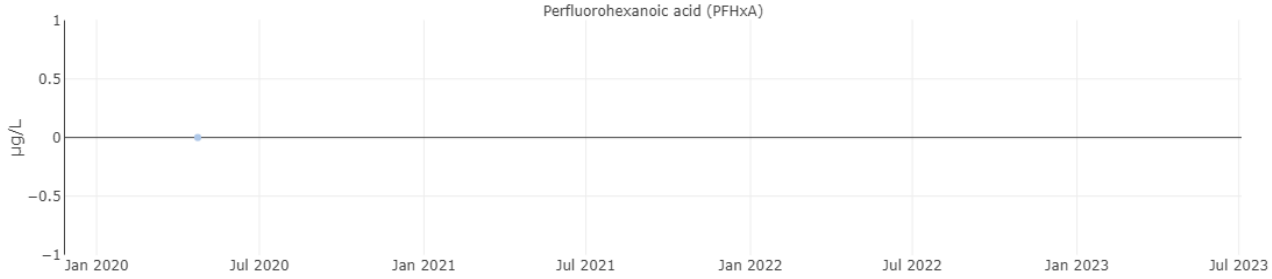

Perfluorodecanoic acid (PFDA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

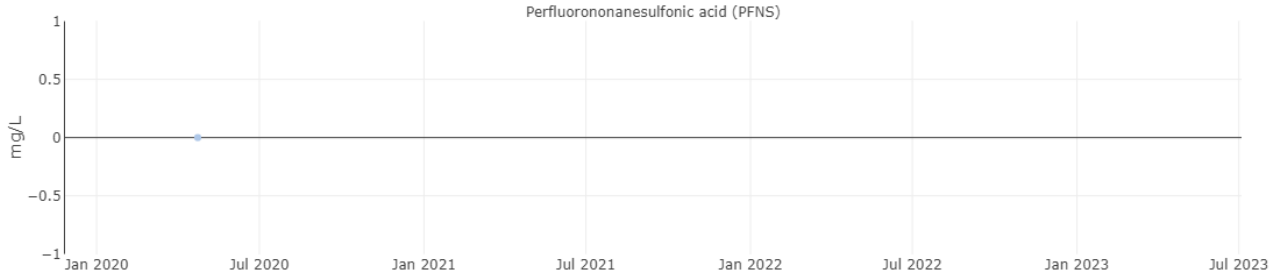

Perfluorododecanoic acid (PFDoDA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

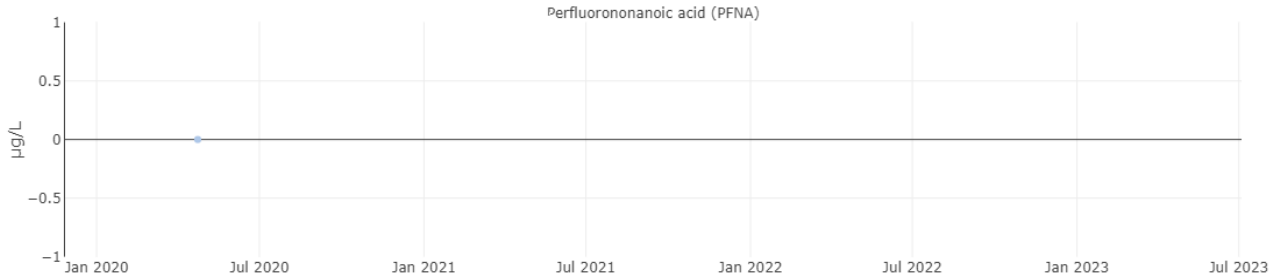

Perfluoroheptane sulfonic acid (PFHpS)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

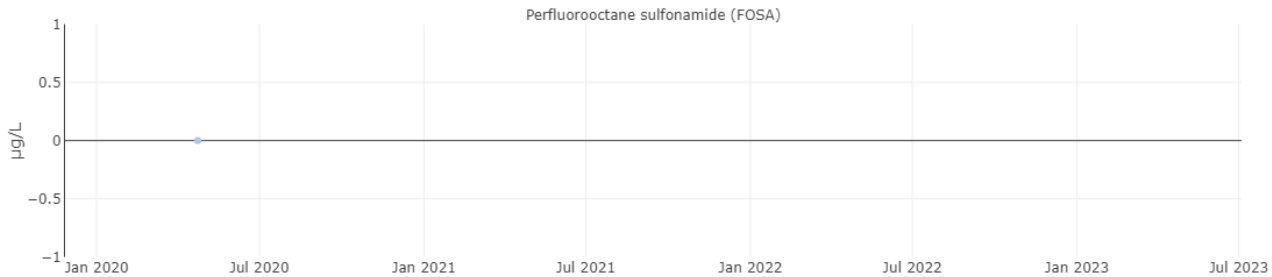

Perfluoroheptanoic acid (PFHpA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

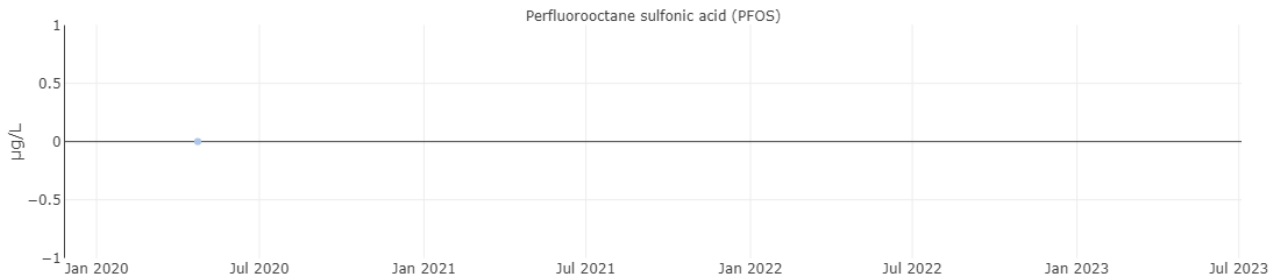

Perfluorohexane sulfonic acid (PFHxS)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

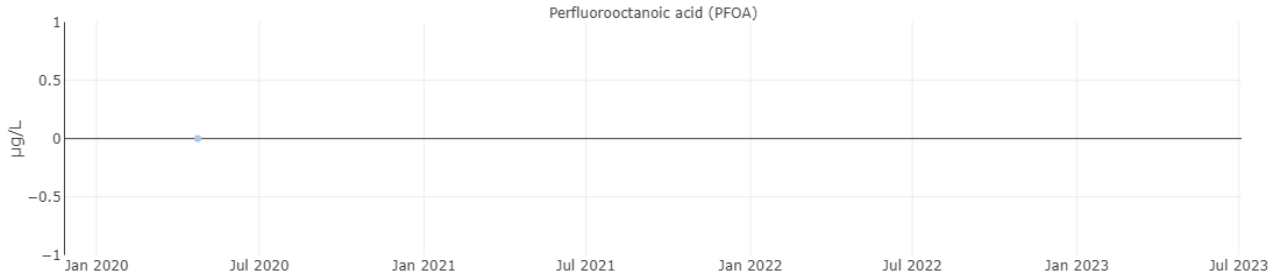

Perfluorohexanoic acid (PFHxA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

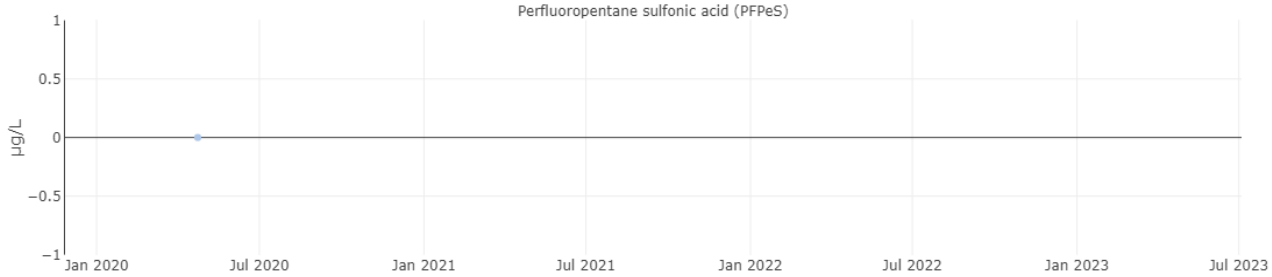

Perfluorononanesulfonic acid (PFNS)
mg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

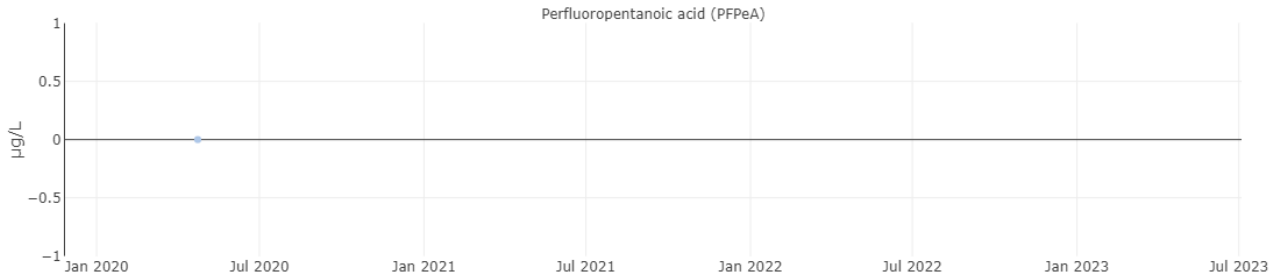

Perfluorononanoic acid (PFNA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

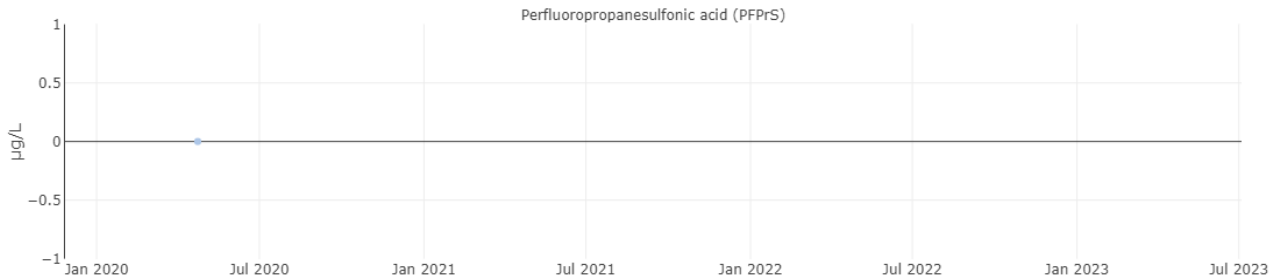

Perfluorooctane sulfonamide (FOSA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

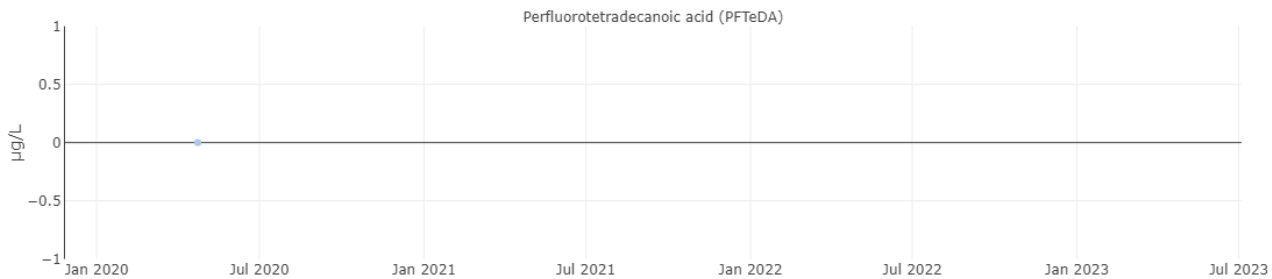

Perfluorooctane sulfonic acid (PFOS)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

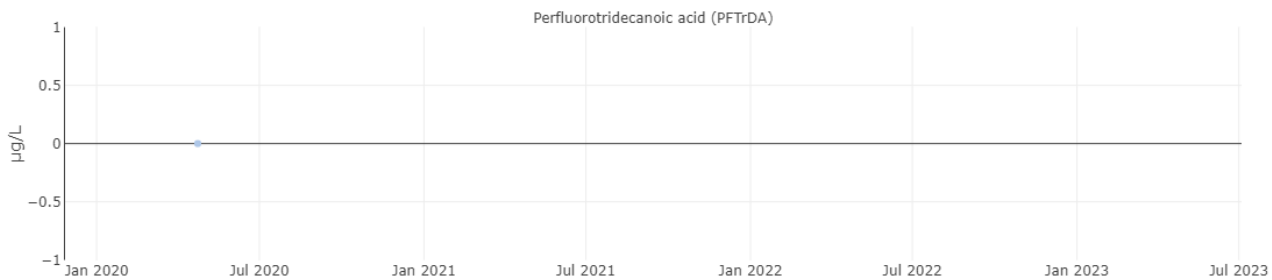

Perfluorooctanoic acid (PFOA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

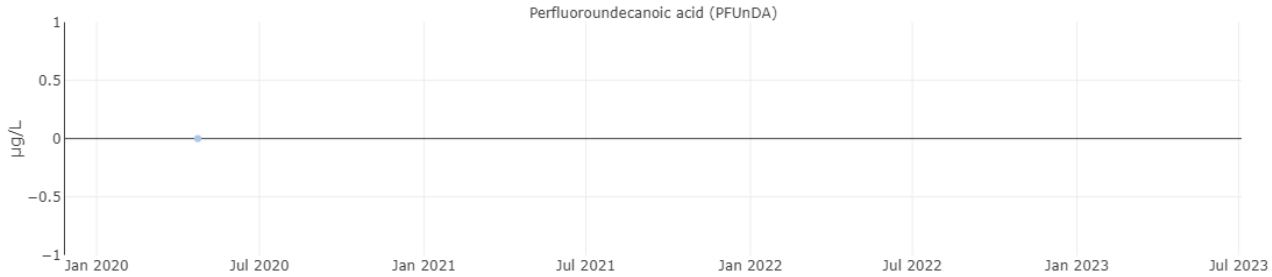

Perfluoropentane sulfonic acid (PFPeS)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

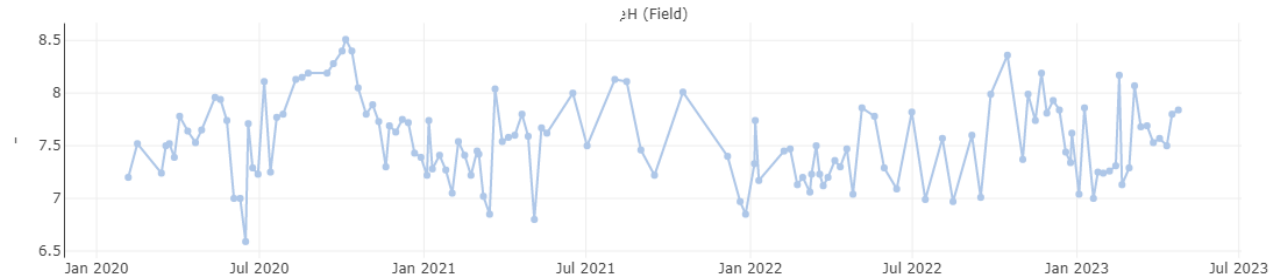

Perfluoropentanoic acid (PFPeA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

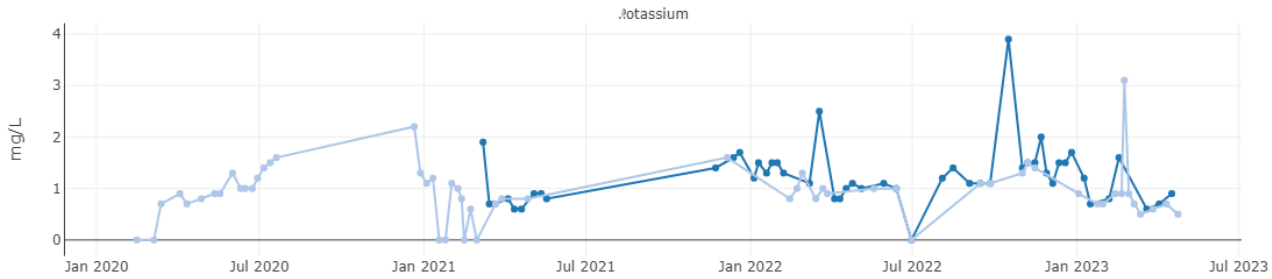

Perfluoropropanesulfonic acid (PFPrS)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

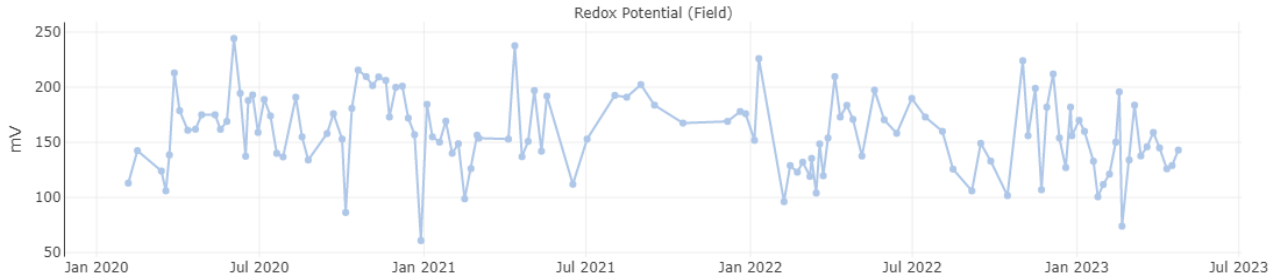

Perfluorotetradecanoic acid (PFTeDA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

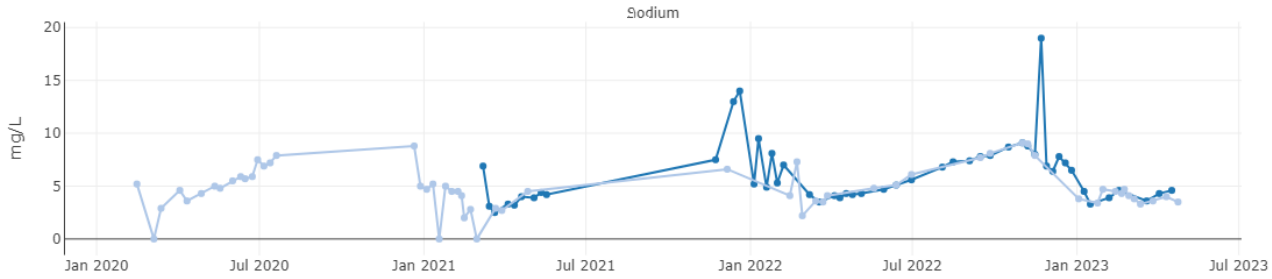

Perfluorotridecanoic acid (PFTrDA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

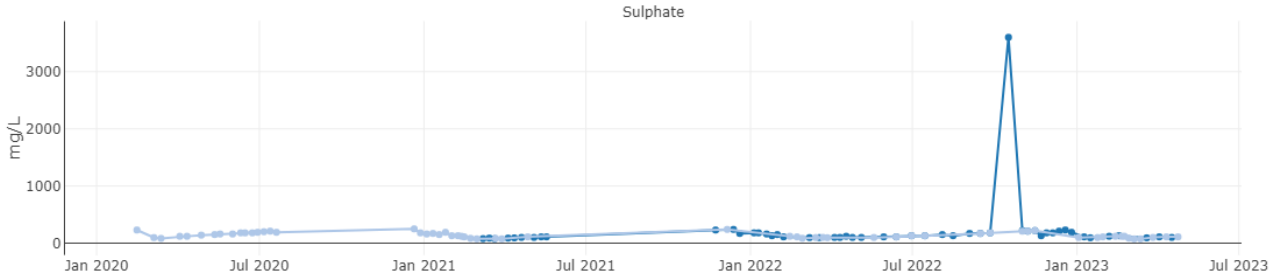

Perfluoroundecanoic acid (PFUnDA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

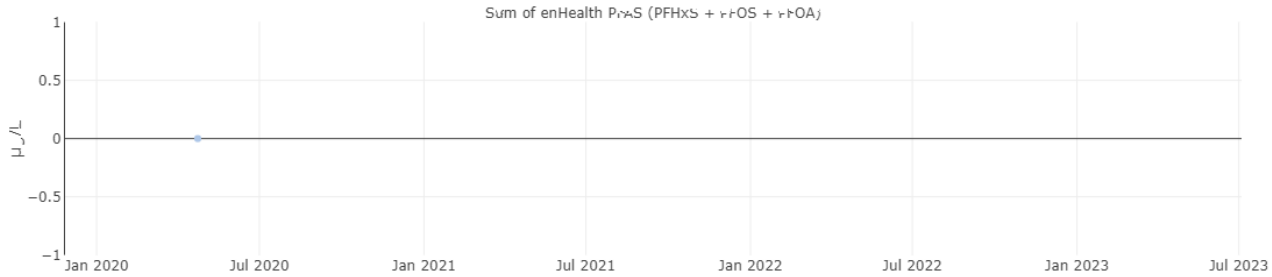

pH (Field)
-
8.5
8
7.5
7
6.5
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

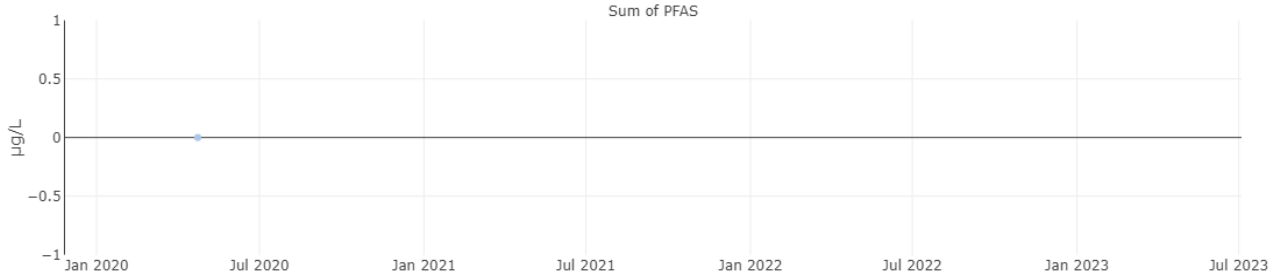

Potassium
mg/L
4
3
2
1
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

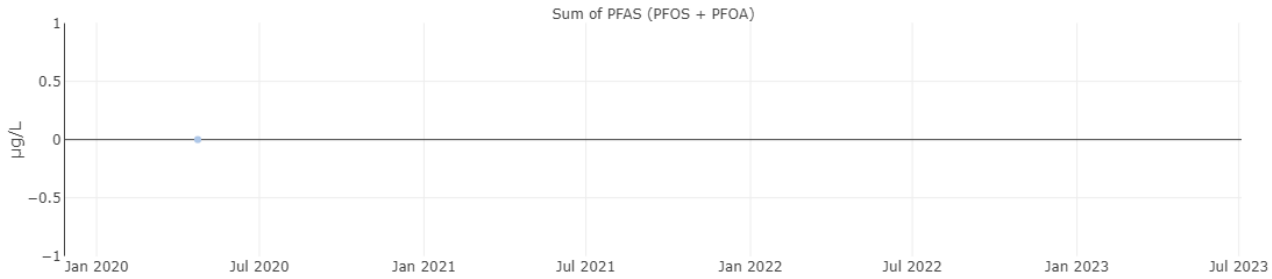

Redox Potential (Field)
mV
250
200
150
100
50
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

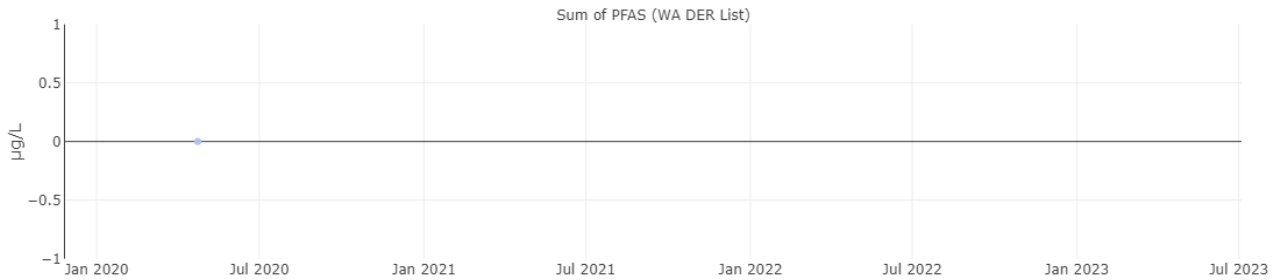

Sodium
mg/L
20
15
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

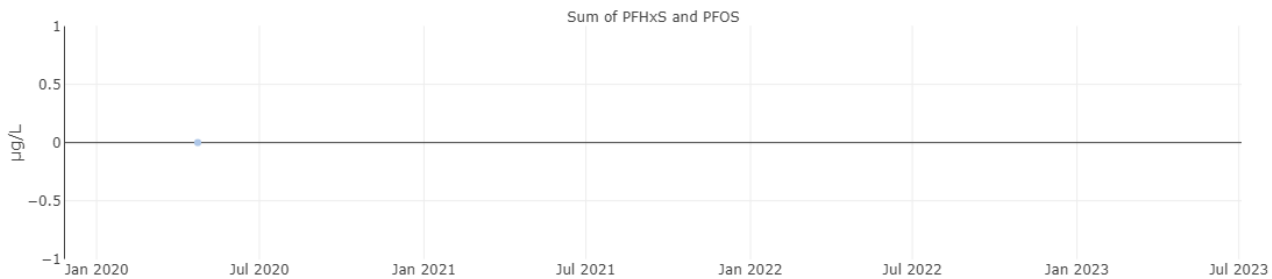

Sulphate
mg/L
3000
2000
1000
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

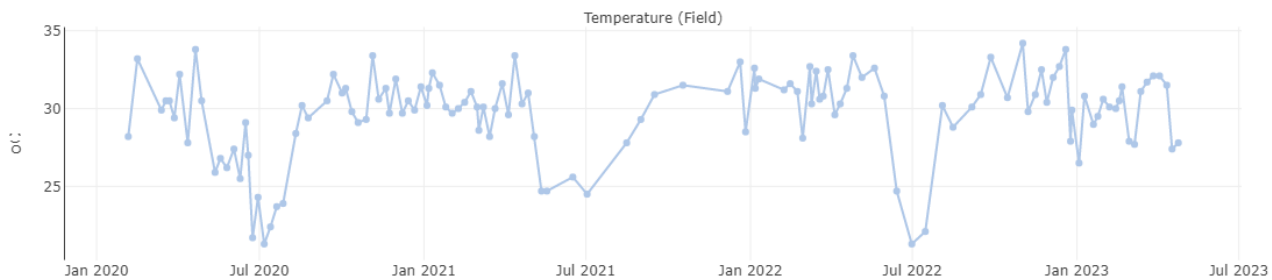

Sum of enHealth PFAS (PFHxS + PFOS + PFOA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

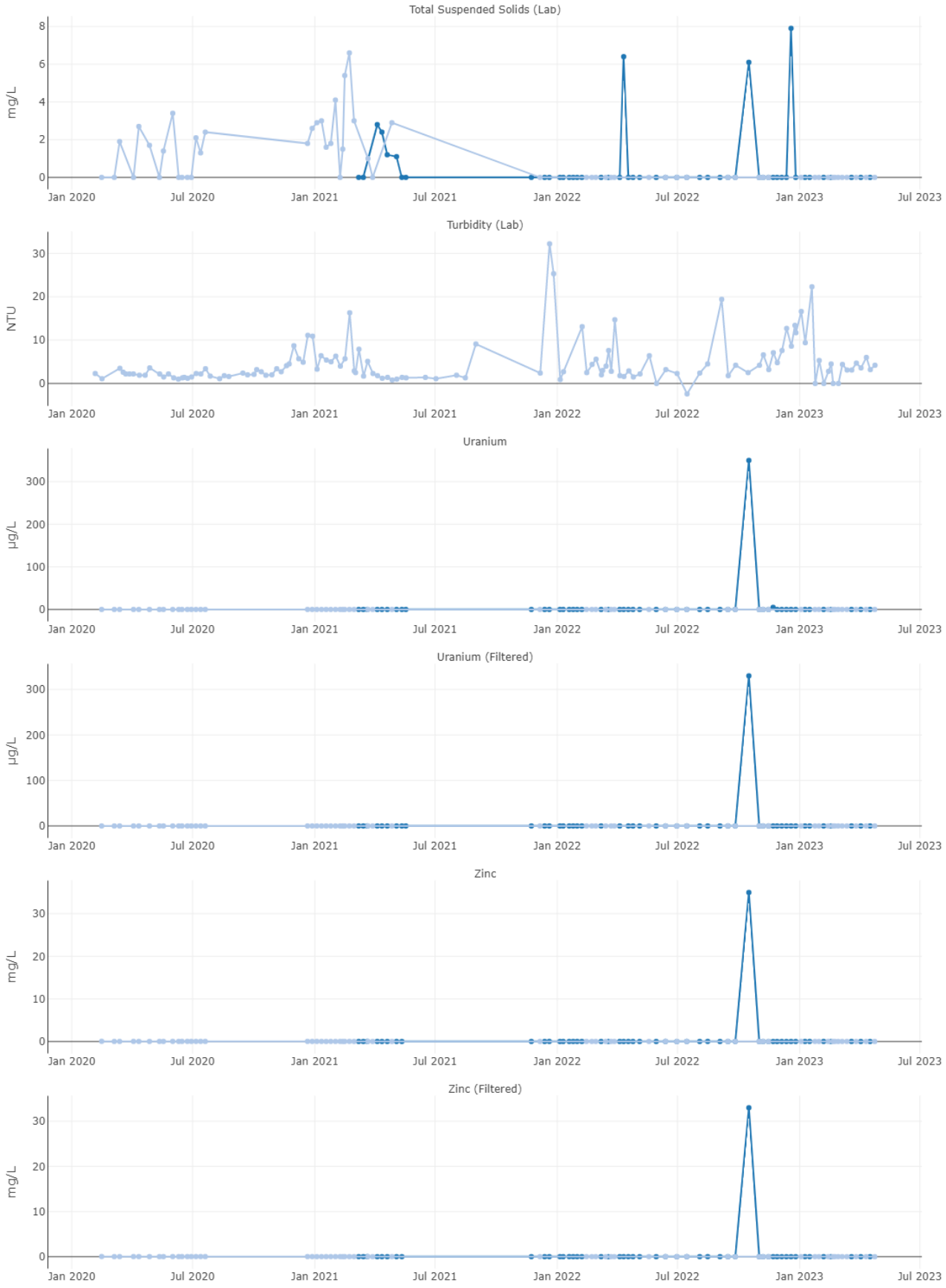

Sum of PFAS
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Sum of PFAS (PFOS + PFOA)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Sum of PFAS (WA DER List)
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Sum of PFHxS and PFOS
µg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

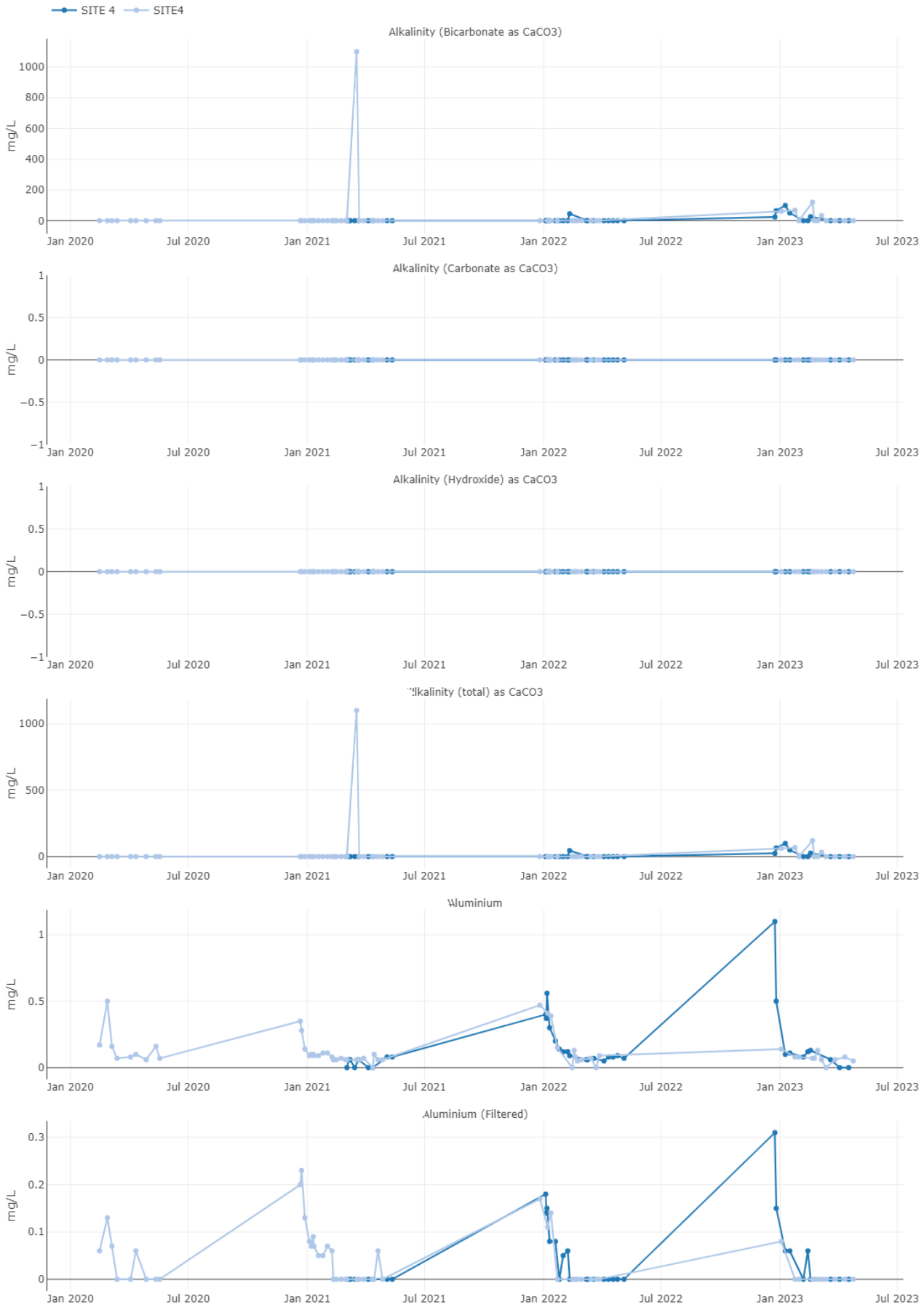

Temperature (Field)
°C
35
30
25
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

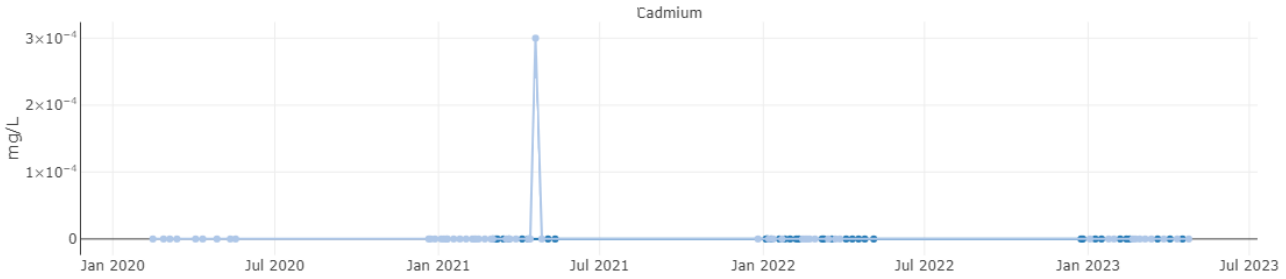


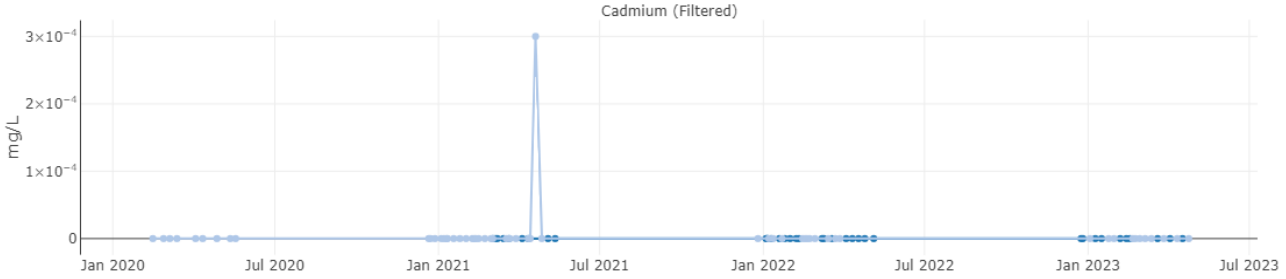
The report was generated based on the following filter:
Sampled Date between "01 Jan 2020" and "30 Apr 2023",
Locations In "SITE 2,SITE2"

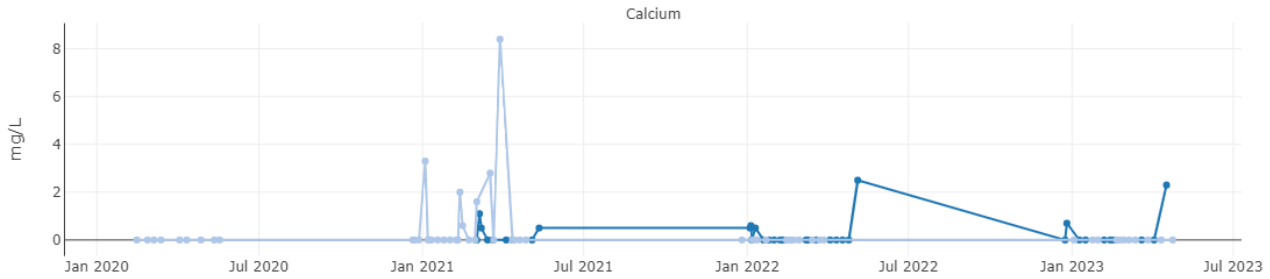
Publication Date: 04 May 2023

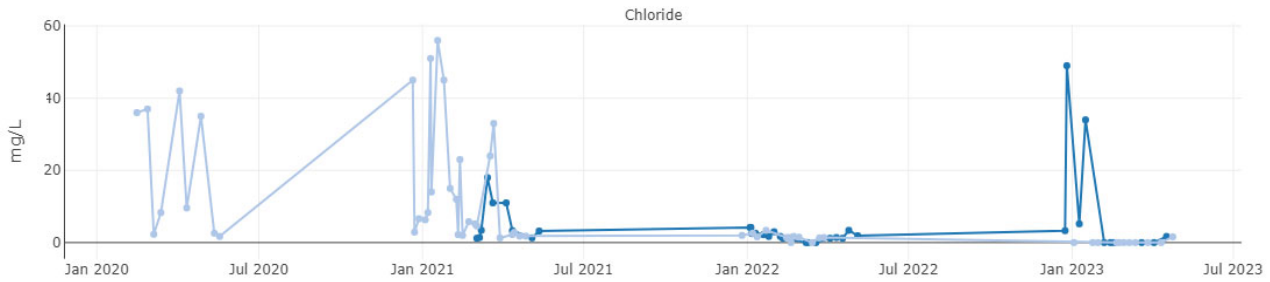
Chemistry Graph

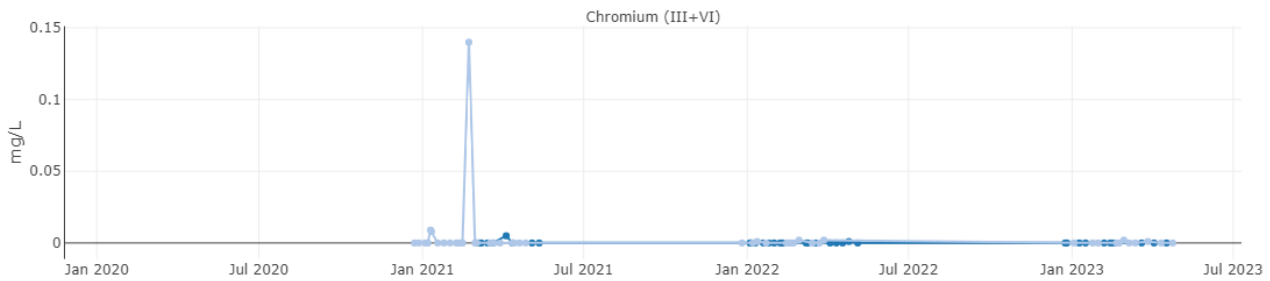


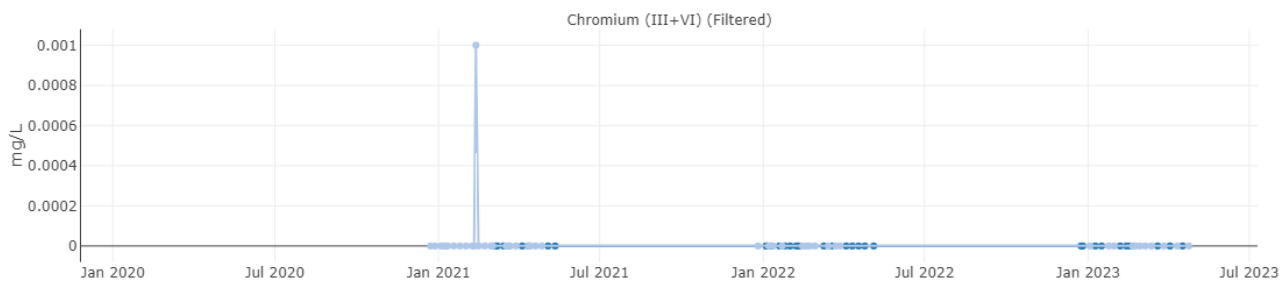

Cadmium
mg/L
3×10⁻⁴
2×10⁻⁴
1×10⁻⁴
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

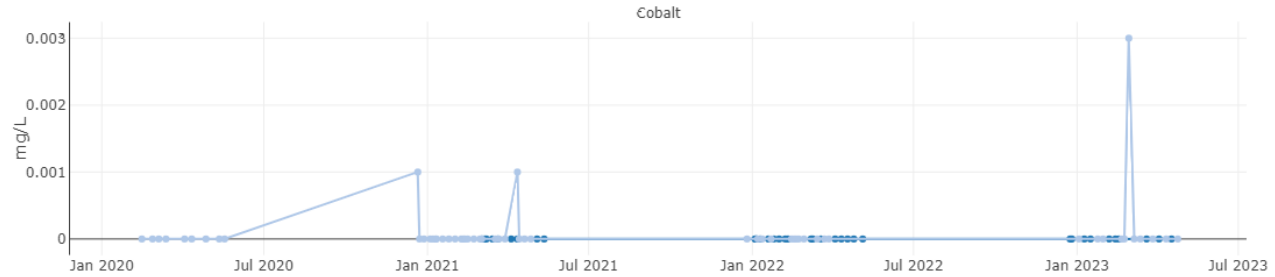

Cadmium (Filtered)
mg/L
3×10⁻⁴
2×10⁻⁴
1×10⁻⁴
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

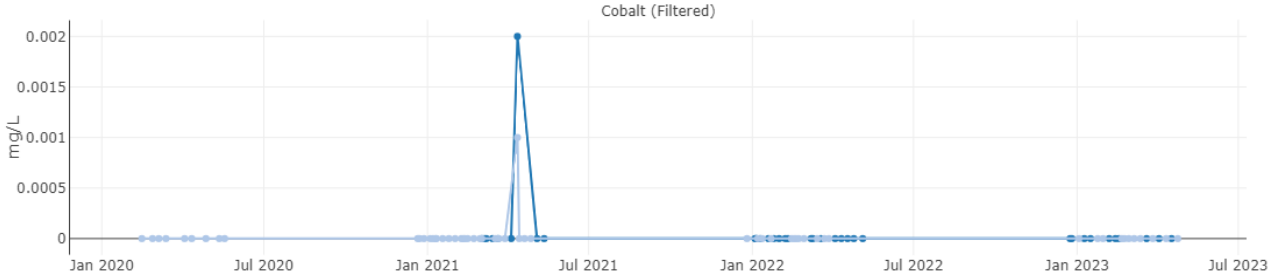

Calcium
mg/L
8
6
4
2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

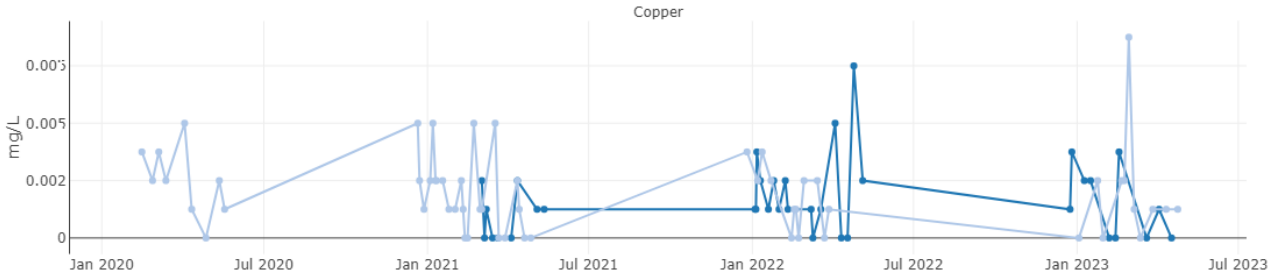

Chloride
mg/L
60
40
20
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

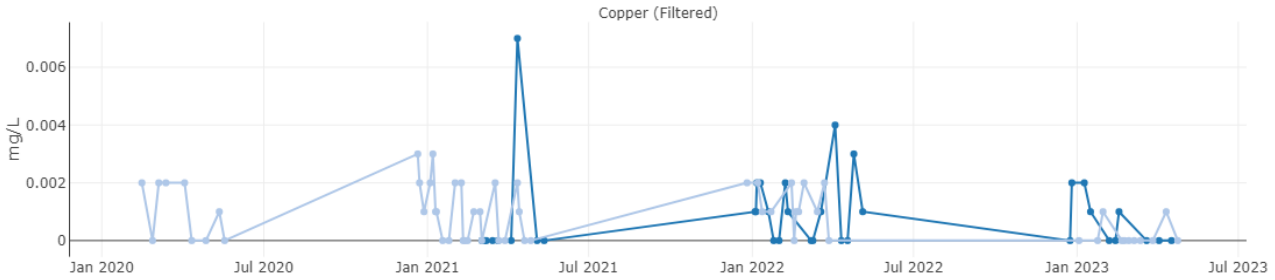

Chromium (III+VI)
mg/L
0.15
0.1
0.05
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

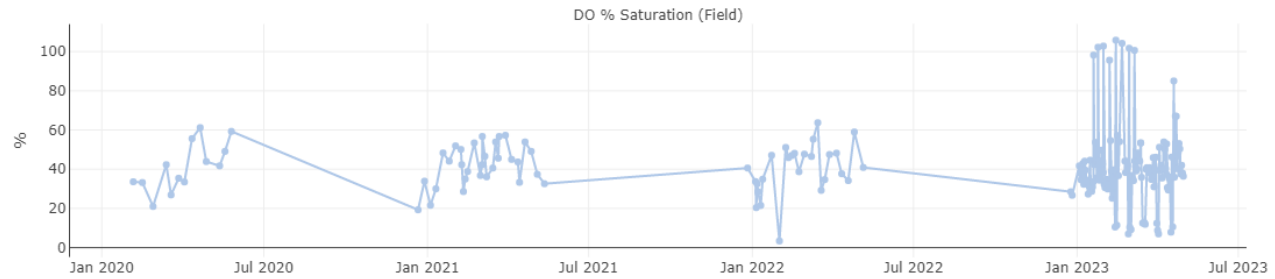

Chromium (III+VI) (Filtered)
mg/L
0.001
0.0008
0.0006
0.0004
0.0002
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

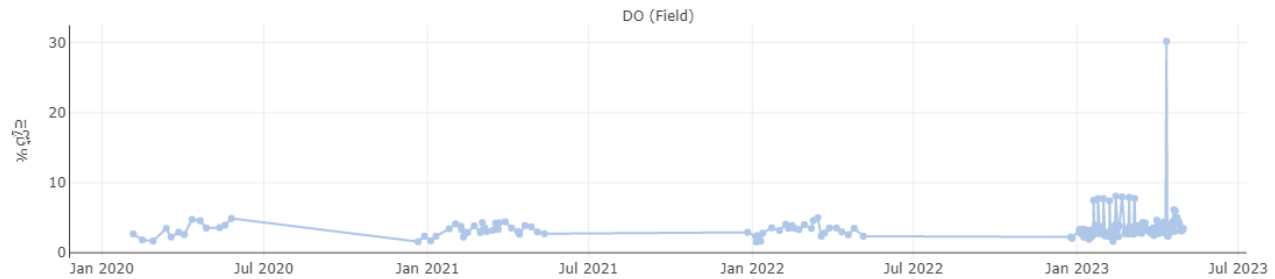

Cobalt
0.003
0.002
0.001
0
mg/L
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

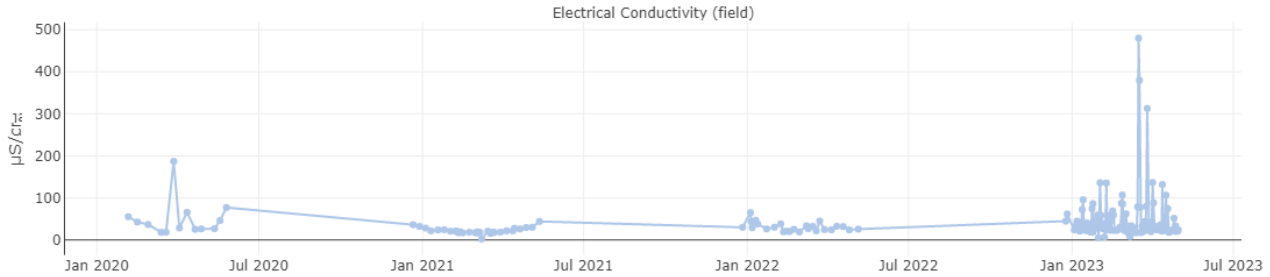

Cobalt (Filtered)
0.002
0.0015
0.001
0.0005
0
mg/L
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

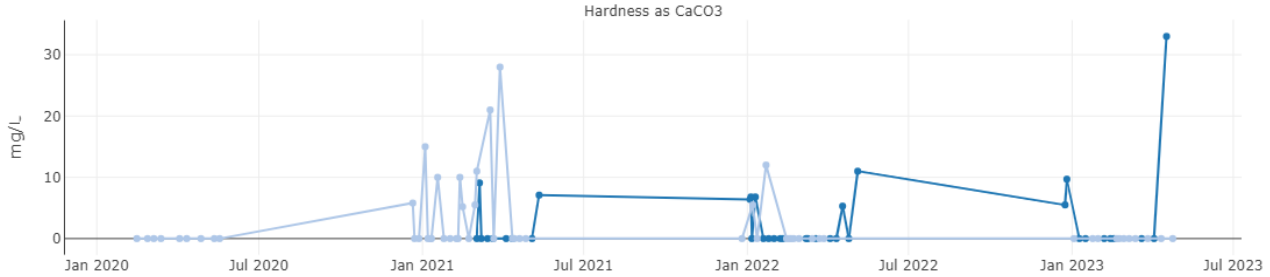

Copper
0.005
0.002
0
mg/L
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

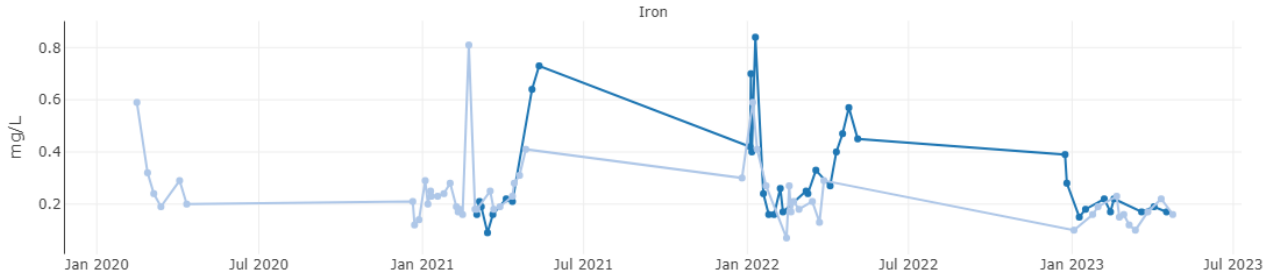

Copper (Filtered)
0.006
0.004
0.002
0
mg/L
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

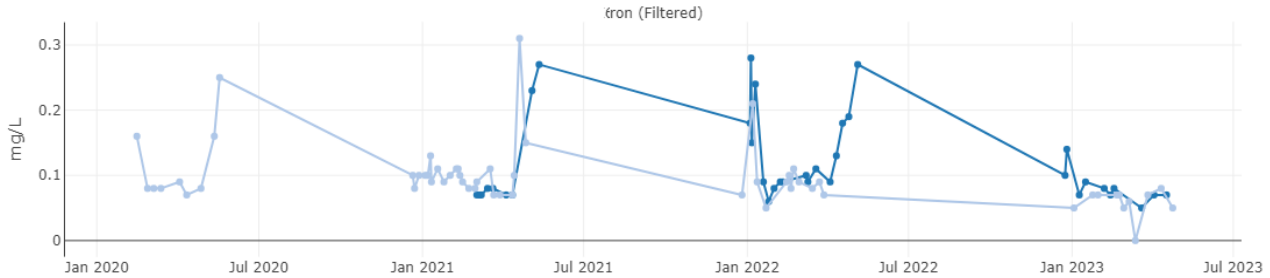

DO % Saturation (Field)
100
80
60
40
20
0
%
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

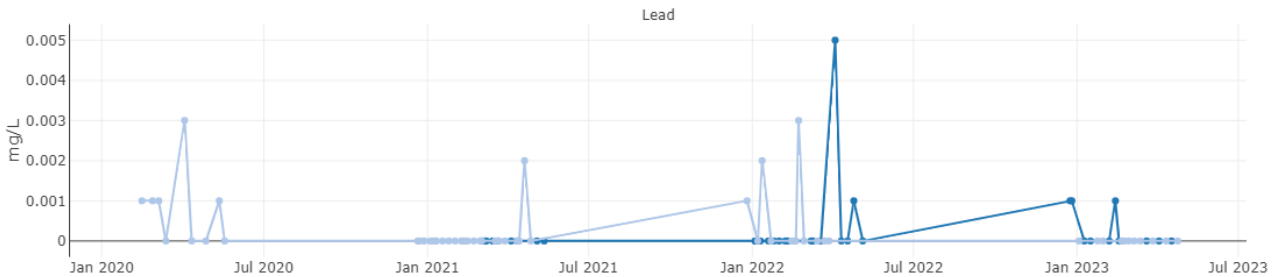

DO (Field)
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

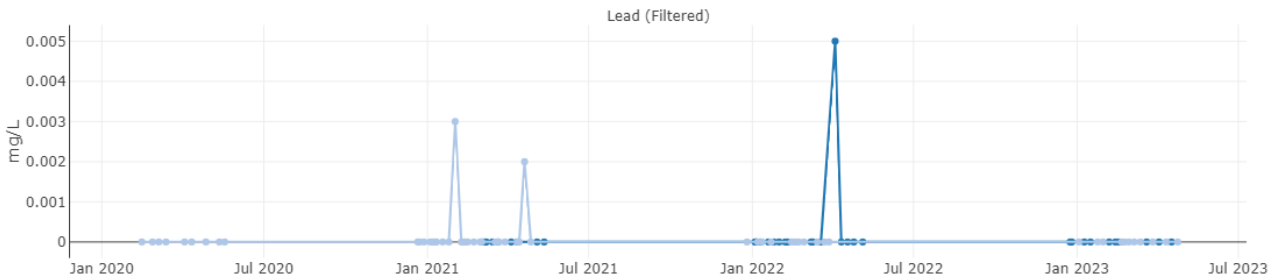

Electrical Conductivity (field)
µS/cm
500
400
300
200
100
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

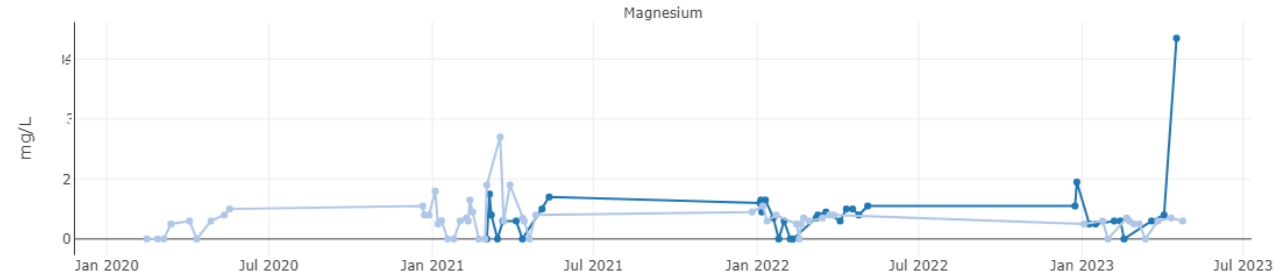

Hardness as CaCO3
mg/L
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

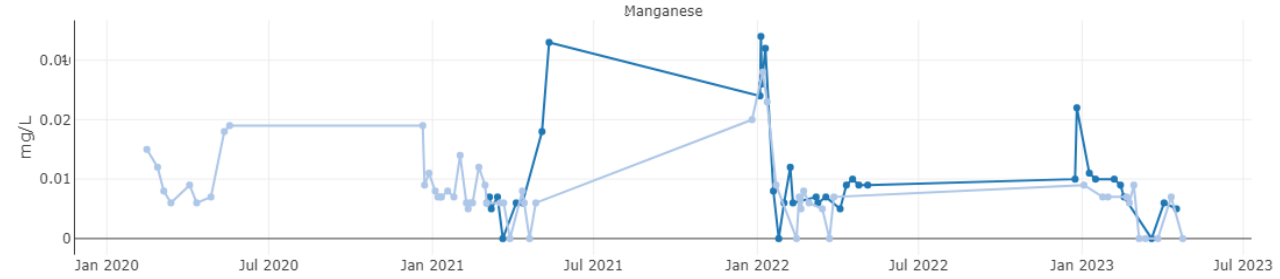

Iron
mg/L
0.8
0.6
0.4
0.2
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

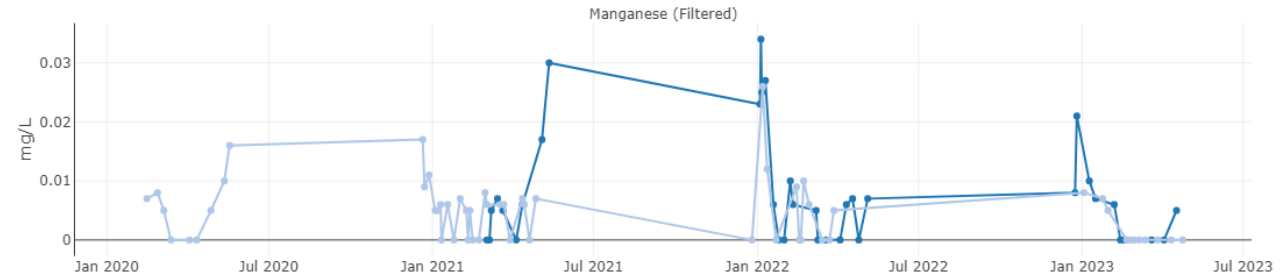

Iron (Filtered)
mg/L
0.3
0.2
0.1
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

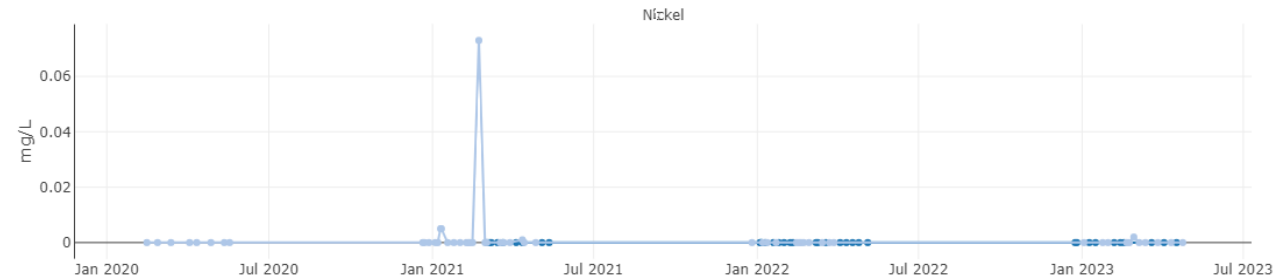

Lead
mg/L
0.005
0.004
0.003
0.002
0.001
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

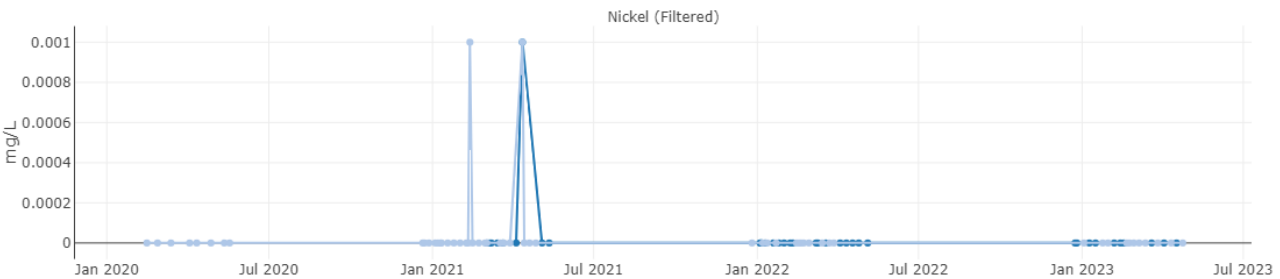

Lead (Filtered)
mg/L
0.005
0.004
0.003
0.002
0.001
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

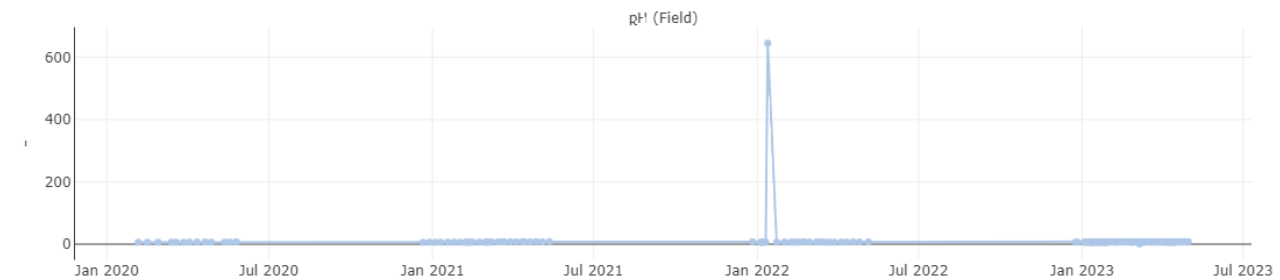

Magnesium
mg/L
2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

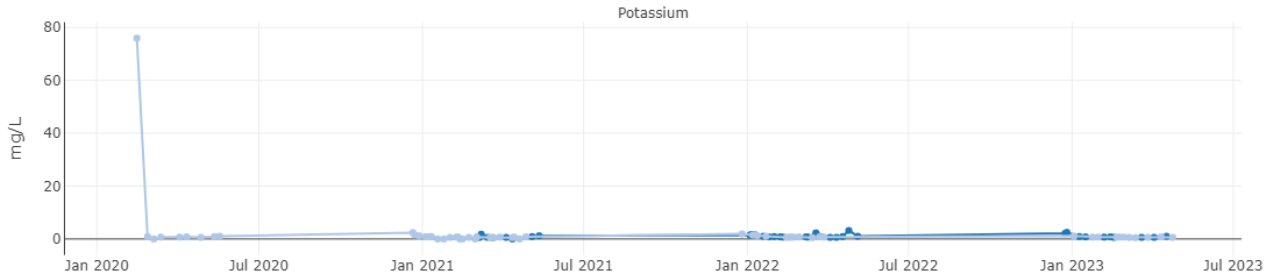

Manganese
mg/L
0.02
0.01
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

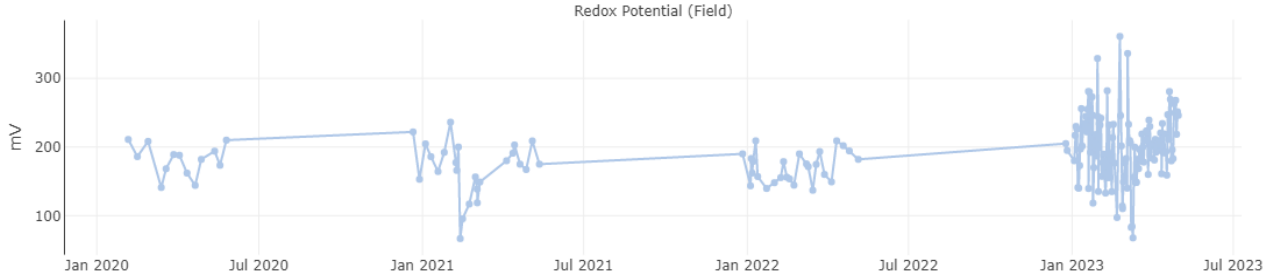

Manganese (Filtered)
mg/L
0.03
0.02
0.01
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

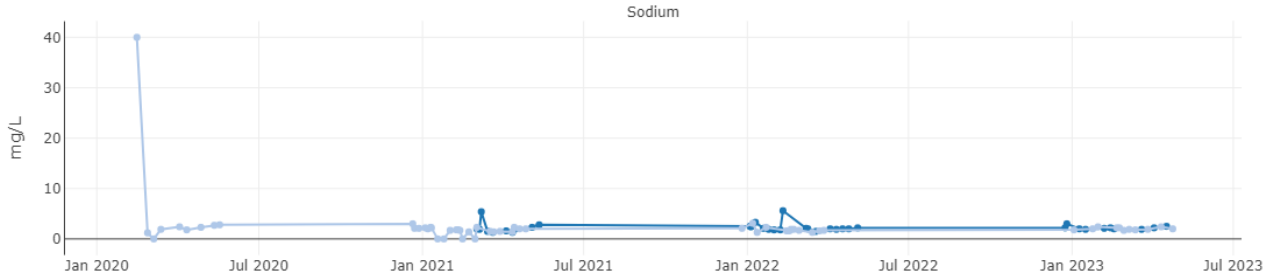

Nickel
mg/L
0.06
0.04
0.02
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

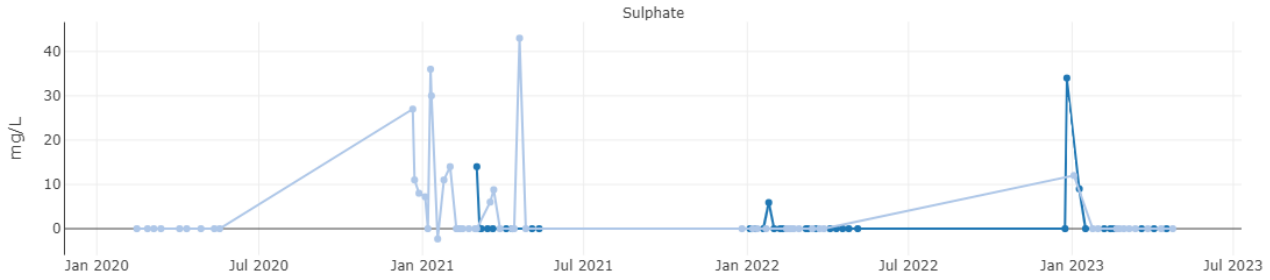

Nickel (Filtered)
mg/L
0.001
0.0008
0.0006
0.0004
0.0002
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

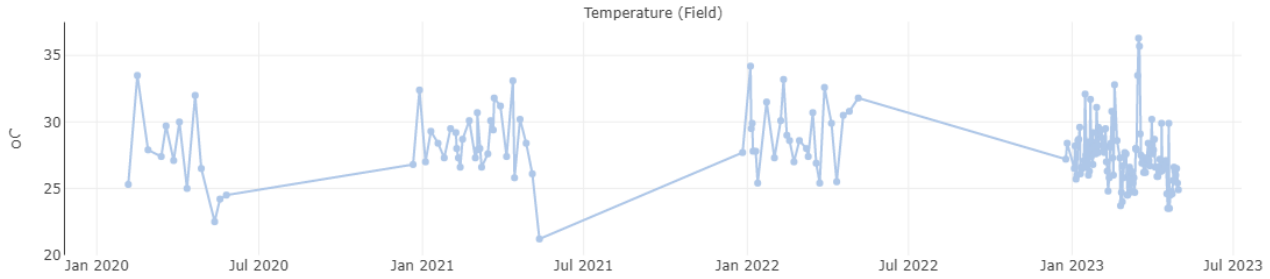

pH (Field)
600
400
200
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

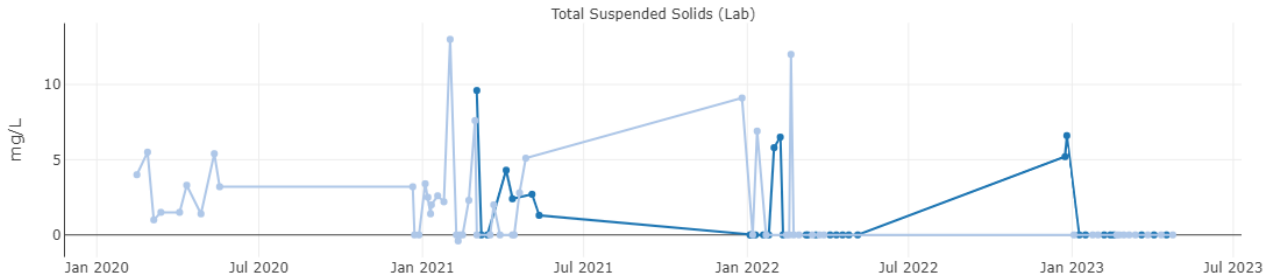

Potassium
mg/L
80
60
40
20
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

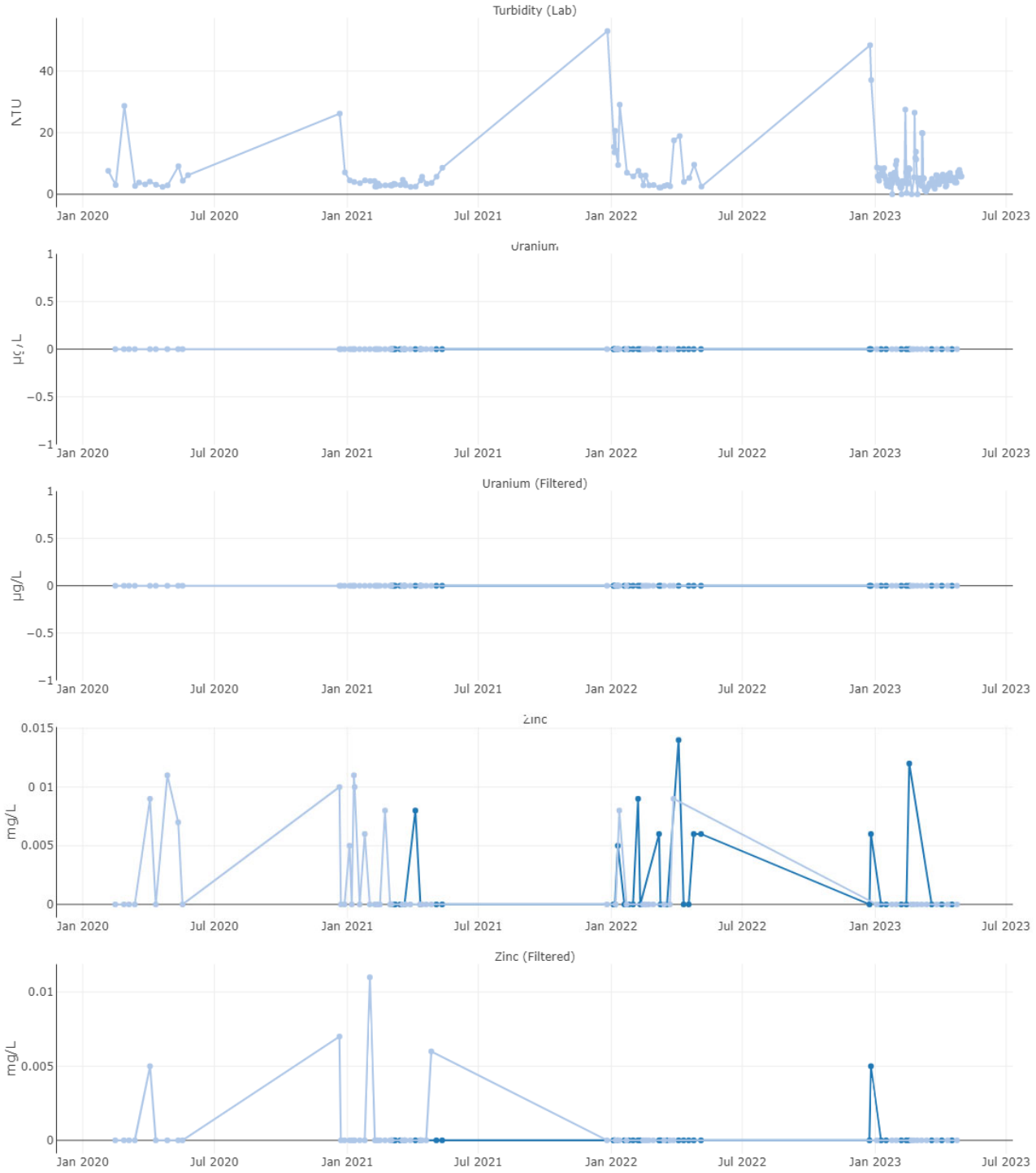

Redox Potential (Field)
mV
300
200
100
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Sodium
mg/L
40
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Sulphate
mg/L
40
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

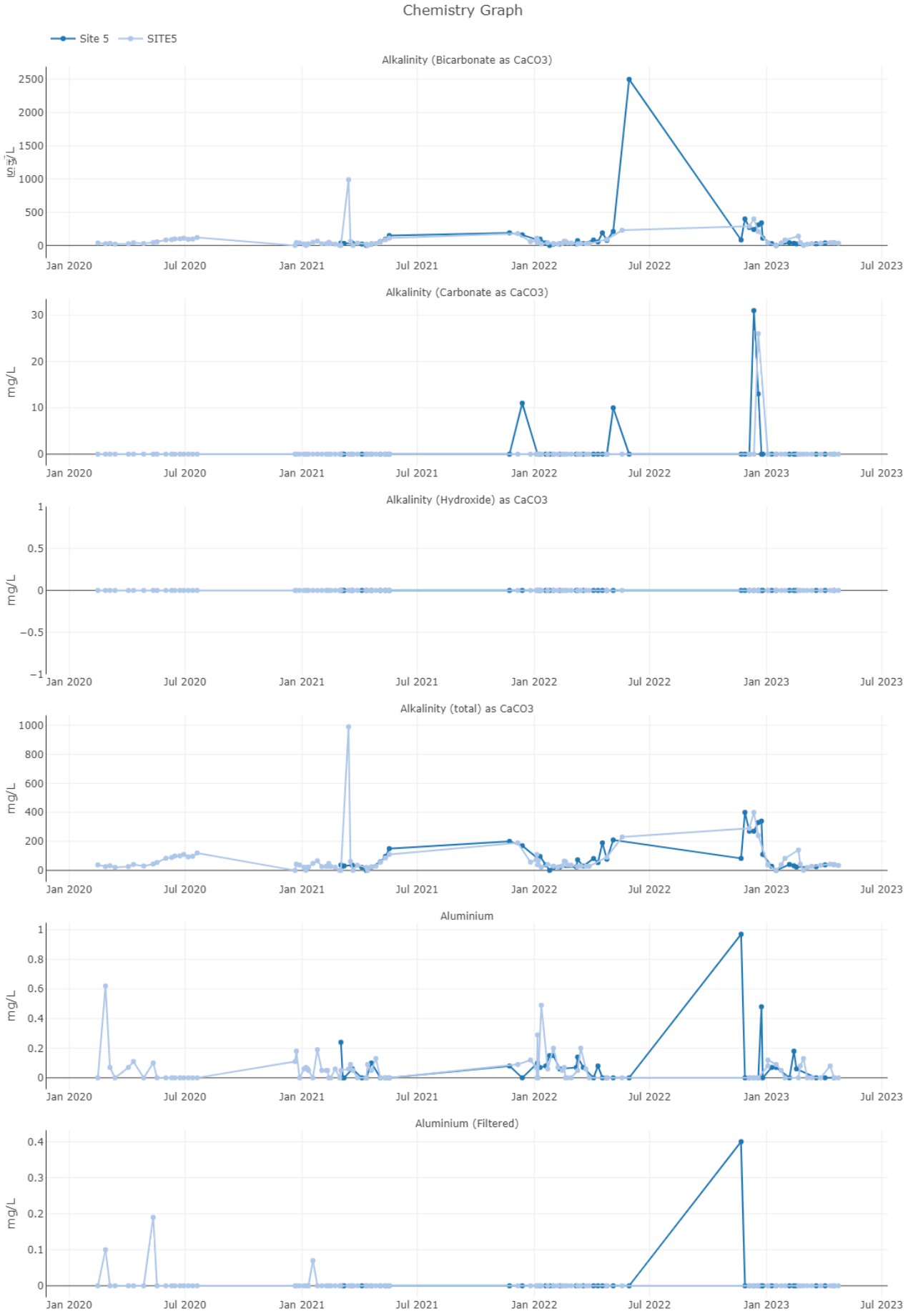

Temperature (Field)
oC
35
30
25
20
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

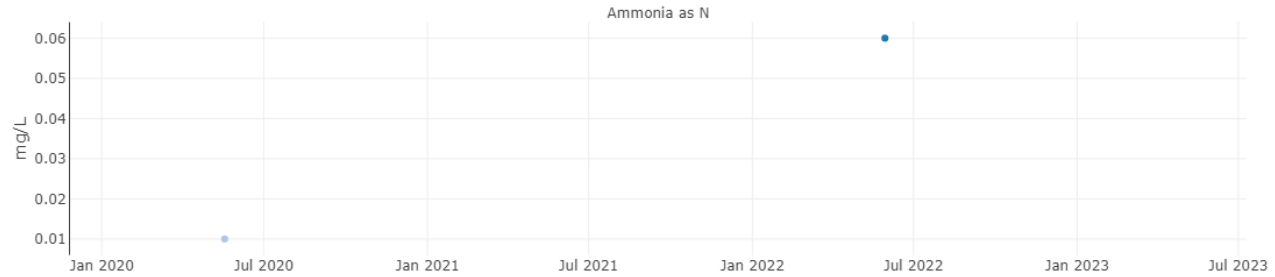

Total Suspended Solids (Lab)
mg/L
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

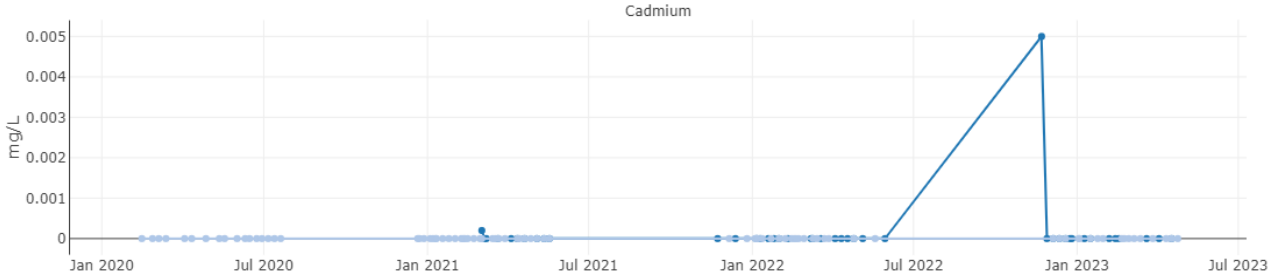


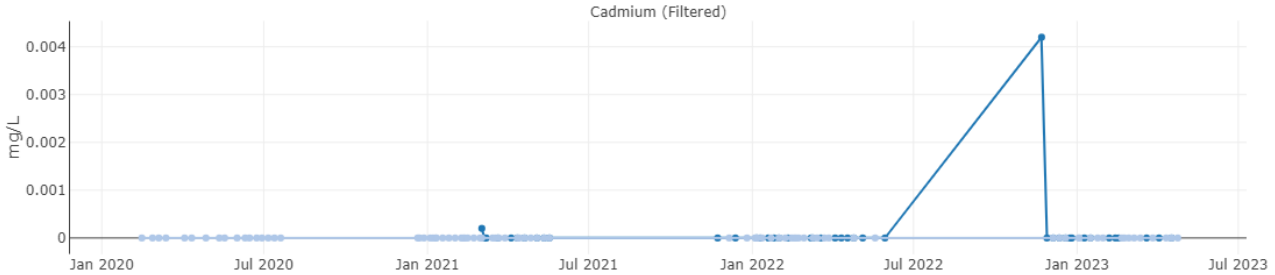
The report was generated based on the following filter:
Sampled Date between "01 Jan 2020" and "30 Apr 2023",
Locations In "SITE 4,SITE4"

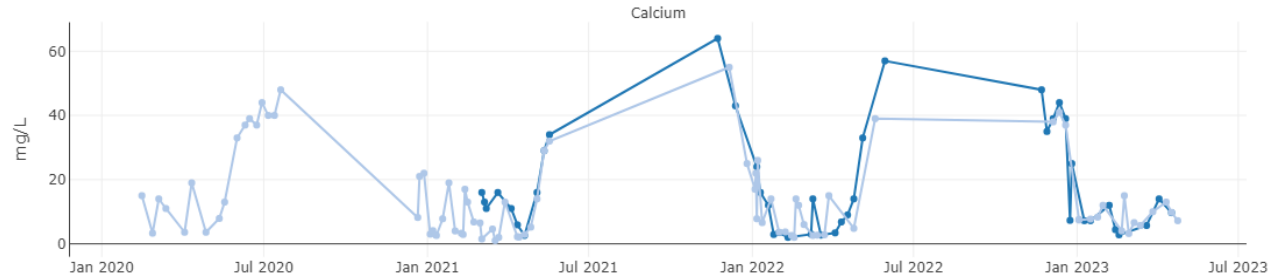
Publication Date: 04 May 2023

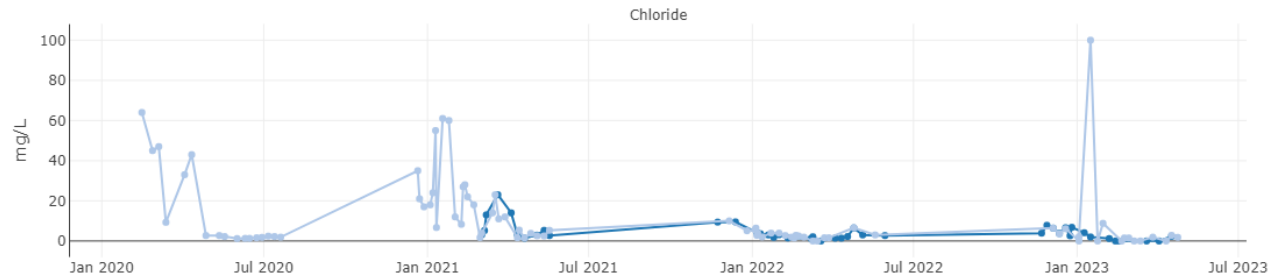

Chemistry Graph
Site 5
SITE5
Alkalinity (Bicarbonate as CaCO3)
mg/L
2500
2000
1500
1000
500
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023
Alkalinity (Carbonate as CaCO3)
mg/L
30
20
10
0
Alkalinity (Hydroxide) as CaCO3
mg/L
1
0.5
0
−0.5
−1
Alkalinity (total) as CaCO3
mg/L
1000
800
600
400
200
0
Aluminium
mg/L
1
0.8
0.6
0.4
0.2
0
Aluminium (Filtered)
mg/L
0.4
0.3
0.2
0.1
0

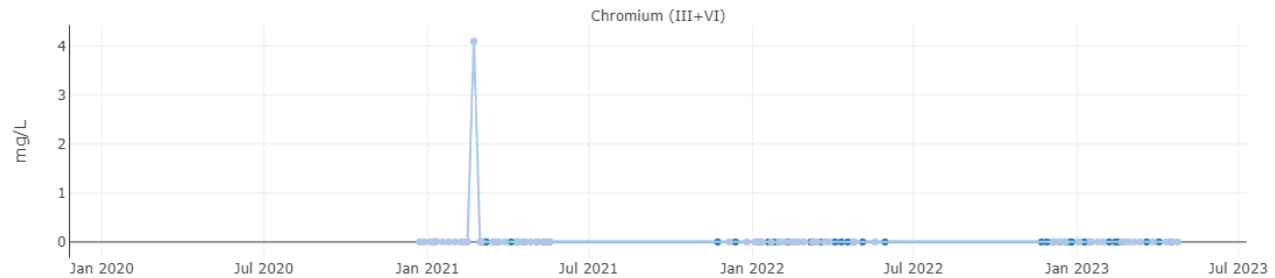

Ammonia as N
mg/L
0.06
0.05
0.04
0.03
0.02
0.01
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

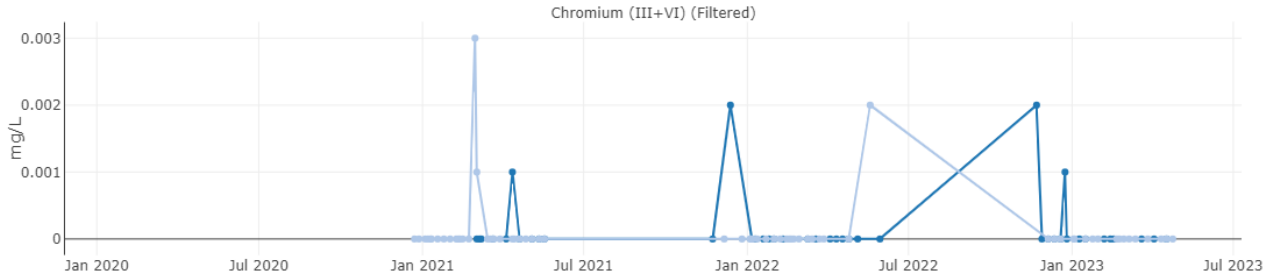

Cadmium
mg/L
0.005
0.004
0.003
0.002
0.001
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

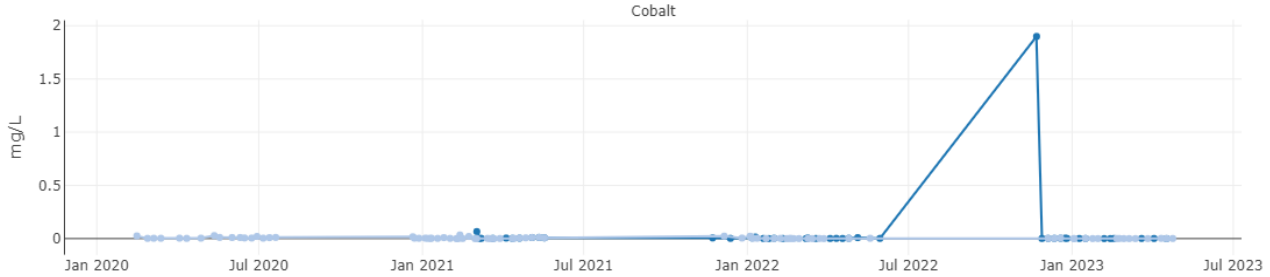

Cadmium (Filtered)
mg/L
0.004
0.003
0.002
0.001
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

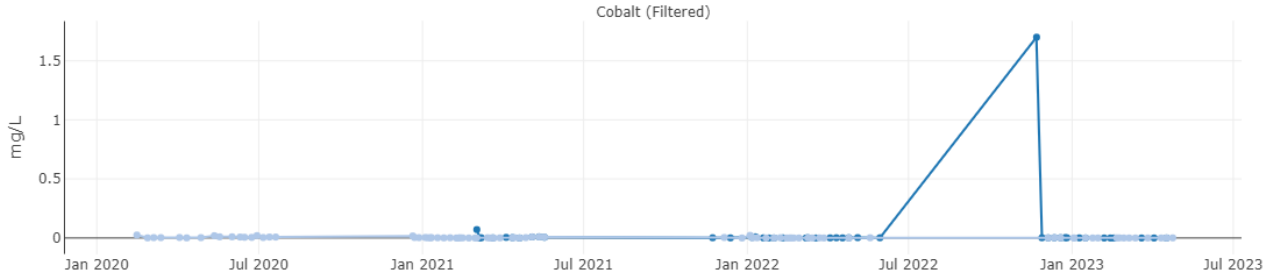

Calcium
mg/L
60
40
20
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

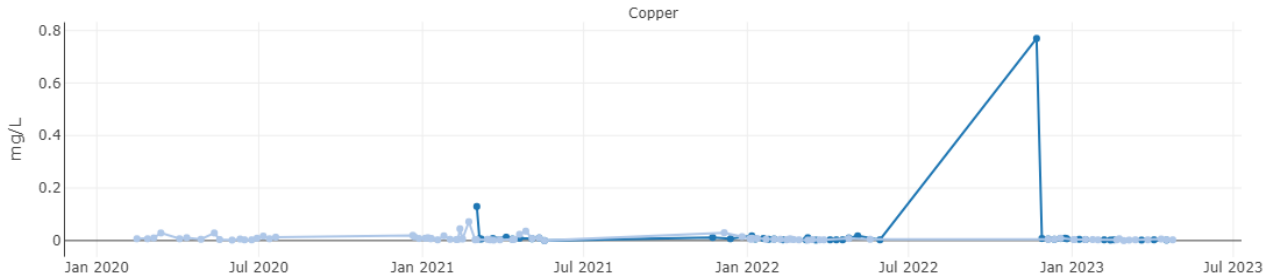

Chloride
mg/L
100
80
60
40
20
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

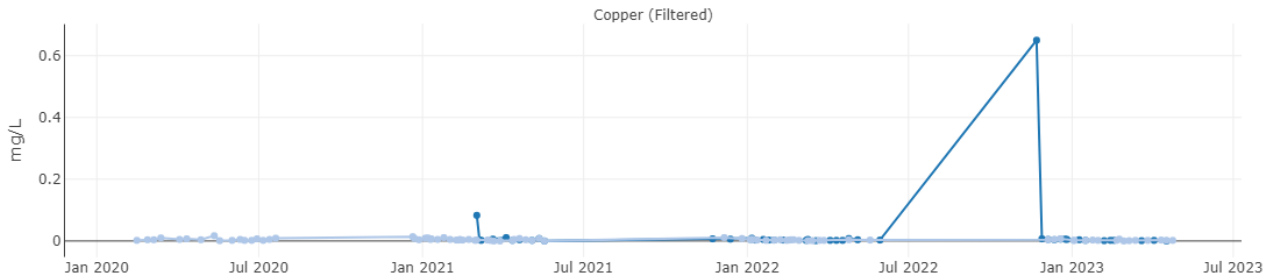

Chromium (III+VI)
mg/L
4
3
2
1
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

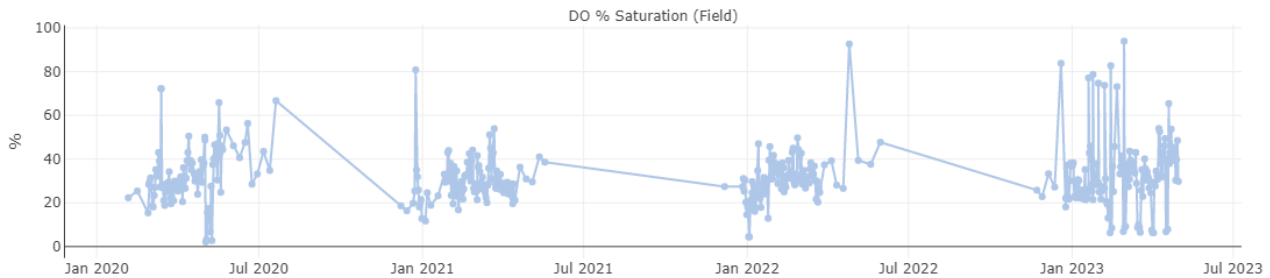

Chromium (III+VI) (Filtered)
mg/L
0.003
0.002
0.001
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

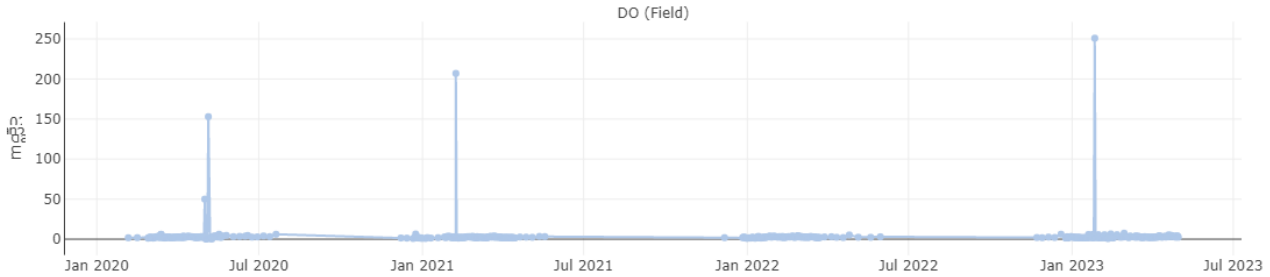

Cobalt
mg/L
2
1.5
1
0.5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

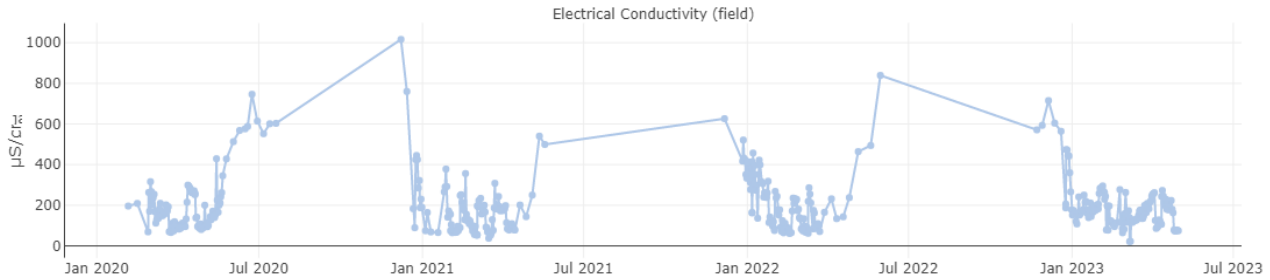

Cobalt (Filtered)
mg/L
1.5
1
0.5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Copper
mg/L
0.8
0.6
0.4
0.2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

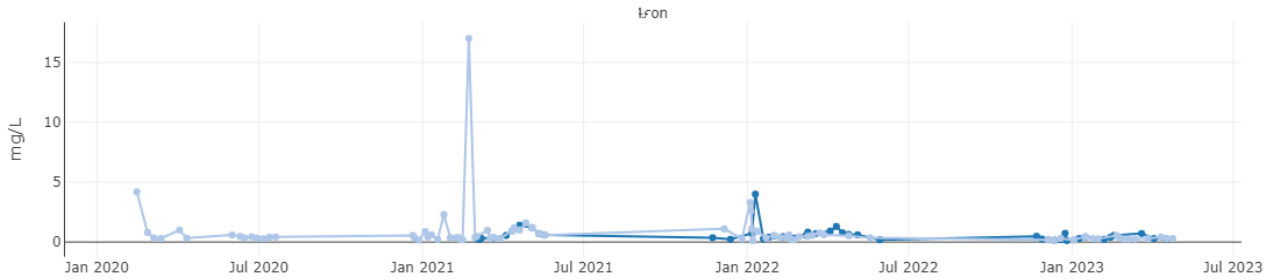

Copper (Filtered)
mg/L
0.6
0.4
0.2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

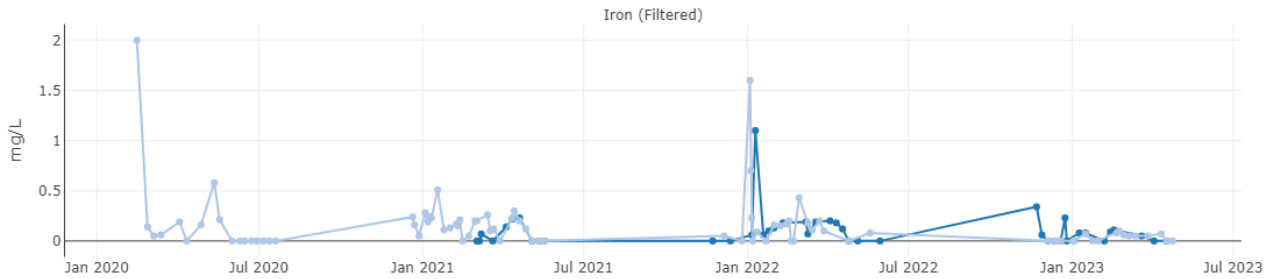

DO % Saturation (Field)
%
100
80
60
40
20
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

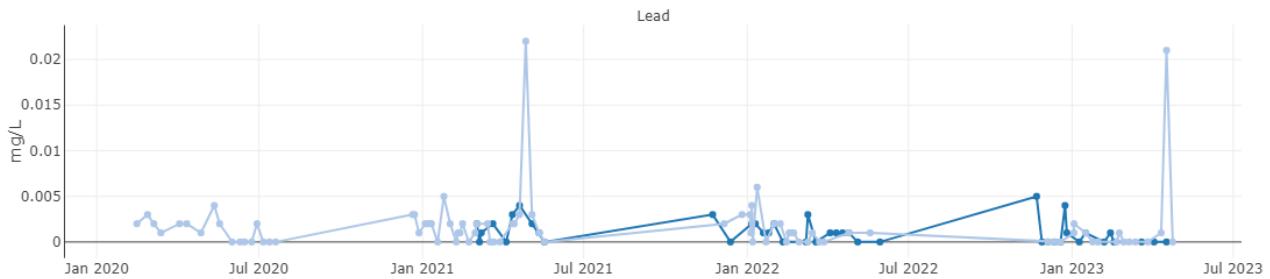

DO (Field)
mg/L
250
200
150
100
50
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

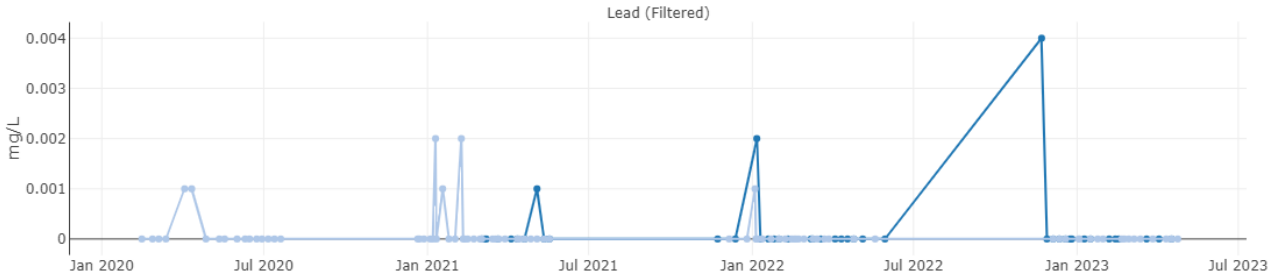

Electrical Conductivity (field)
µS/cm
1000
800
600
400
200
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

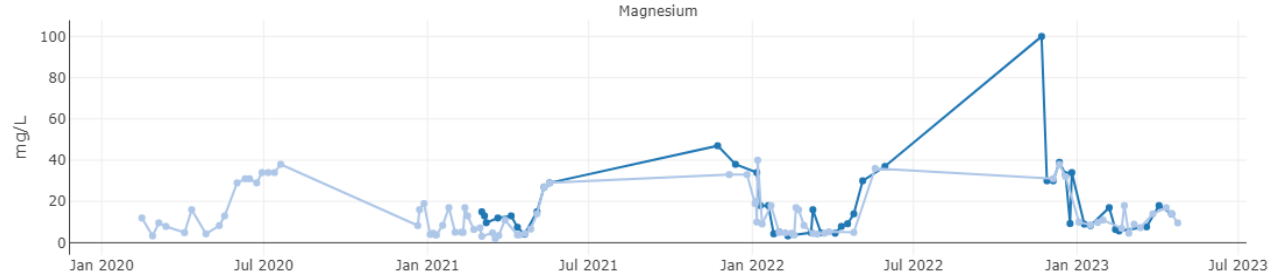

Hardness as CaCO3
mg/L
600
400
200
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

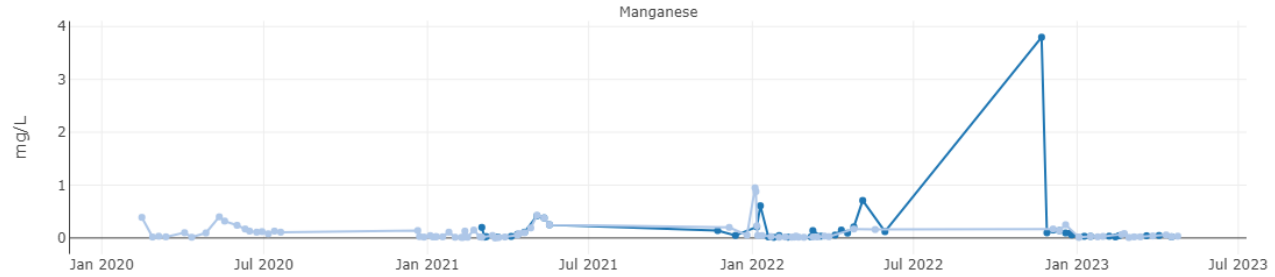

Iron
mg/L
15
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

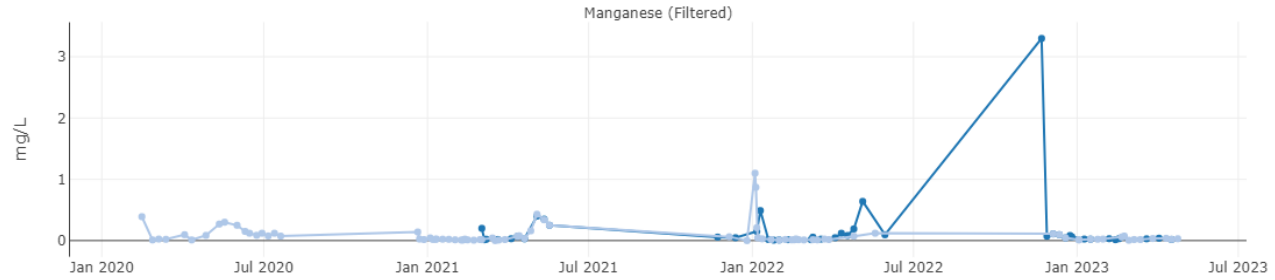

Iron (Filtered)
mg/L
2
1.5
1
0.5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

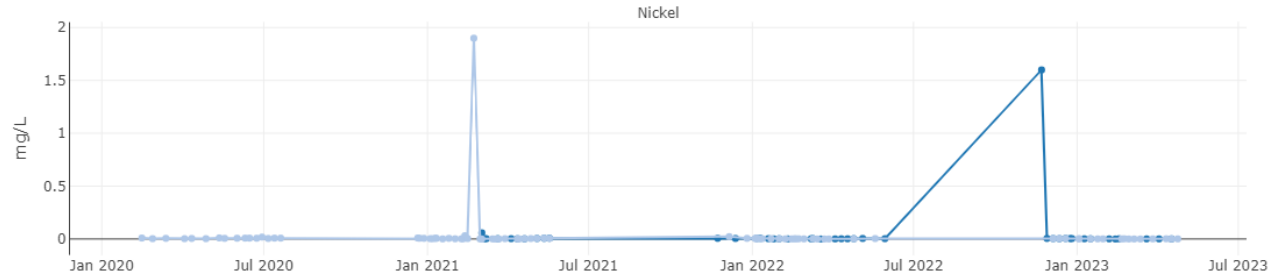

Lead
mg/L
0.02
0.015
0.01
0.005
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

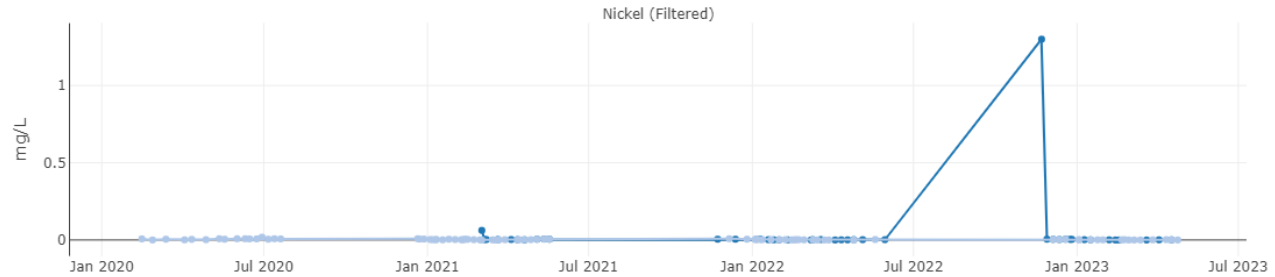

Lead (Filtered)
mg/L
0.004
0.003
0.002
0.001
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

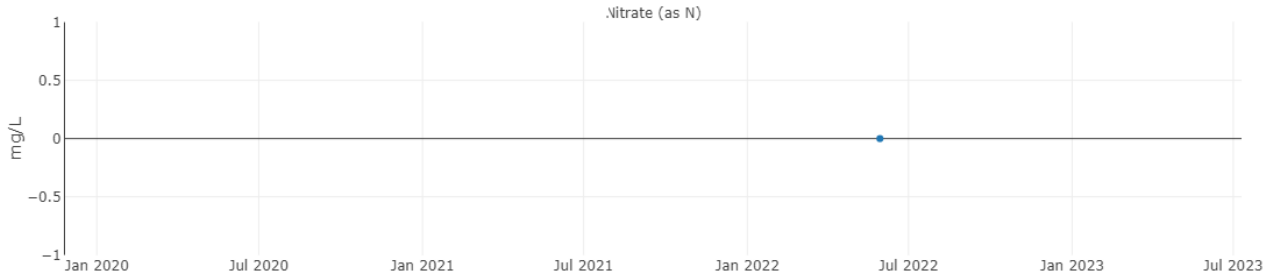

Magnesium
mg/L
100
80
60
40
20
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

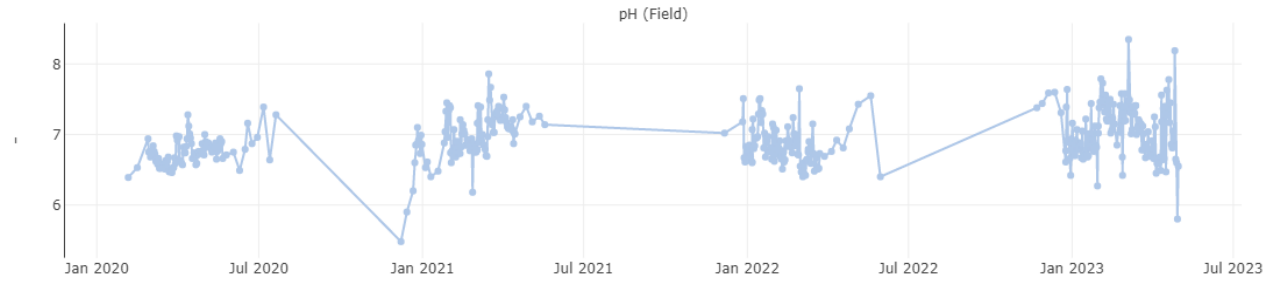

Manganese
mg/L
4
3
2
1
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

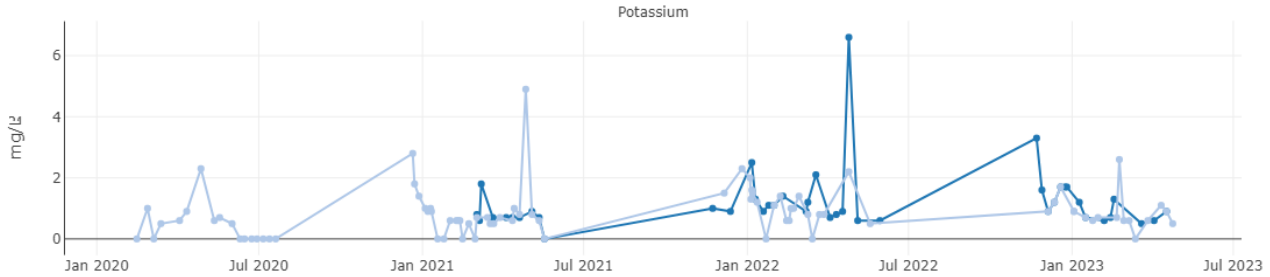

Manganese (Filtered)
mg/L
3
2
1
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

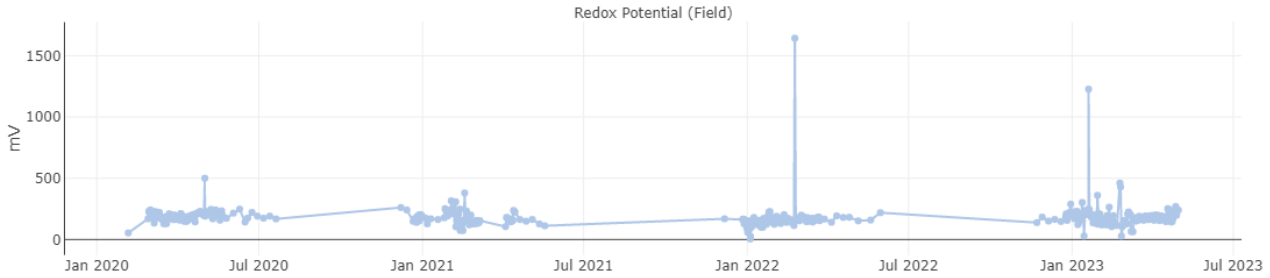

Nickel
mg/L
2
1.5
1
0.5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

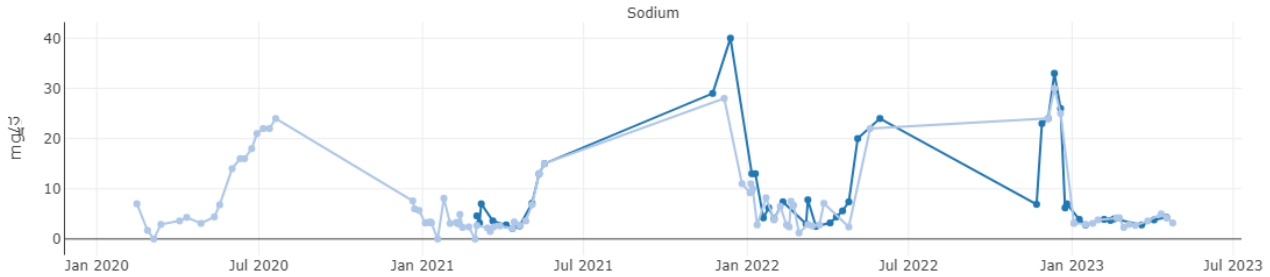

Nickel (Filtered)
mg/L
1
0.5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

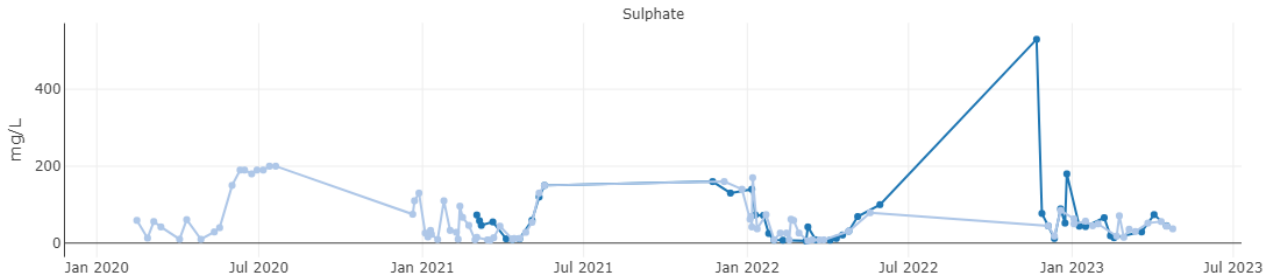

Nitrate (as N)
mg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

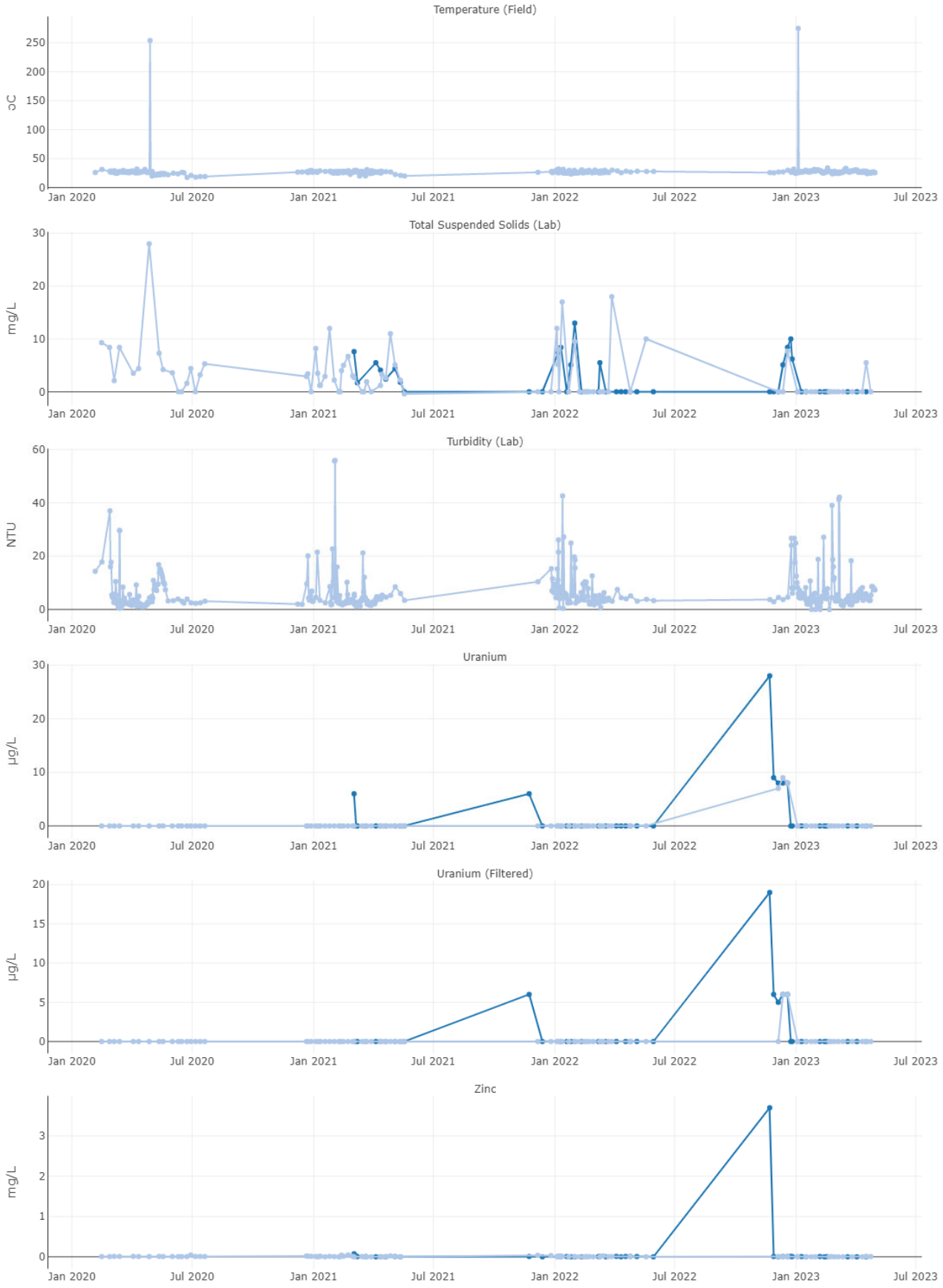

pH (Field)
-
8
7
6
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

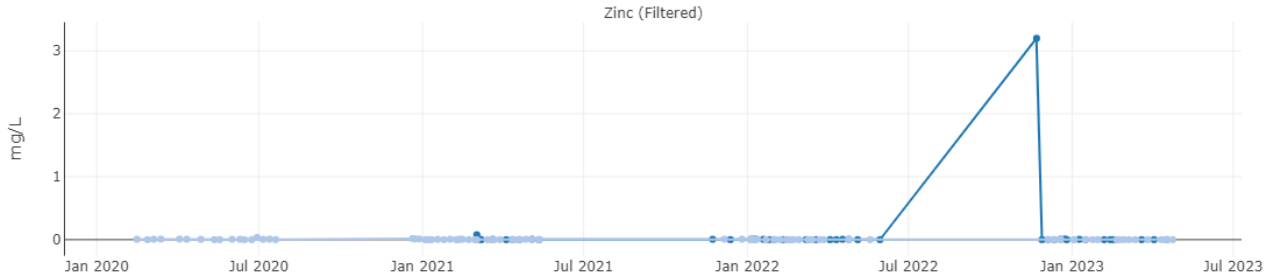

Potassium
mg/L
6
4
2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Redox Potential (Field)
mV
1500
1000
500
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Sodium
mg/L
40
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

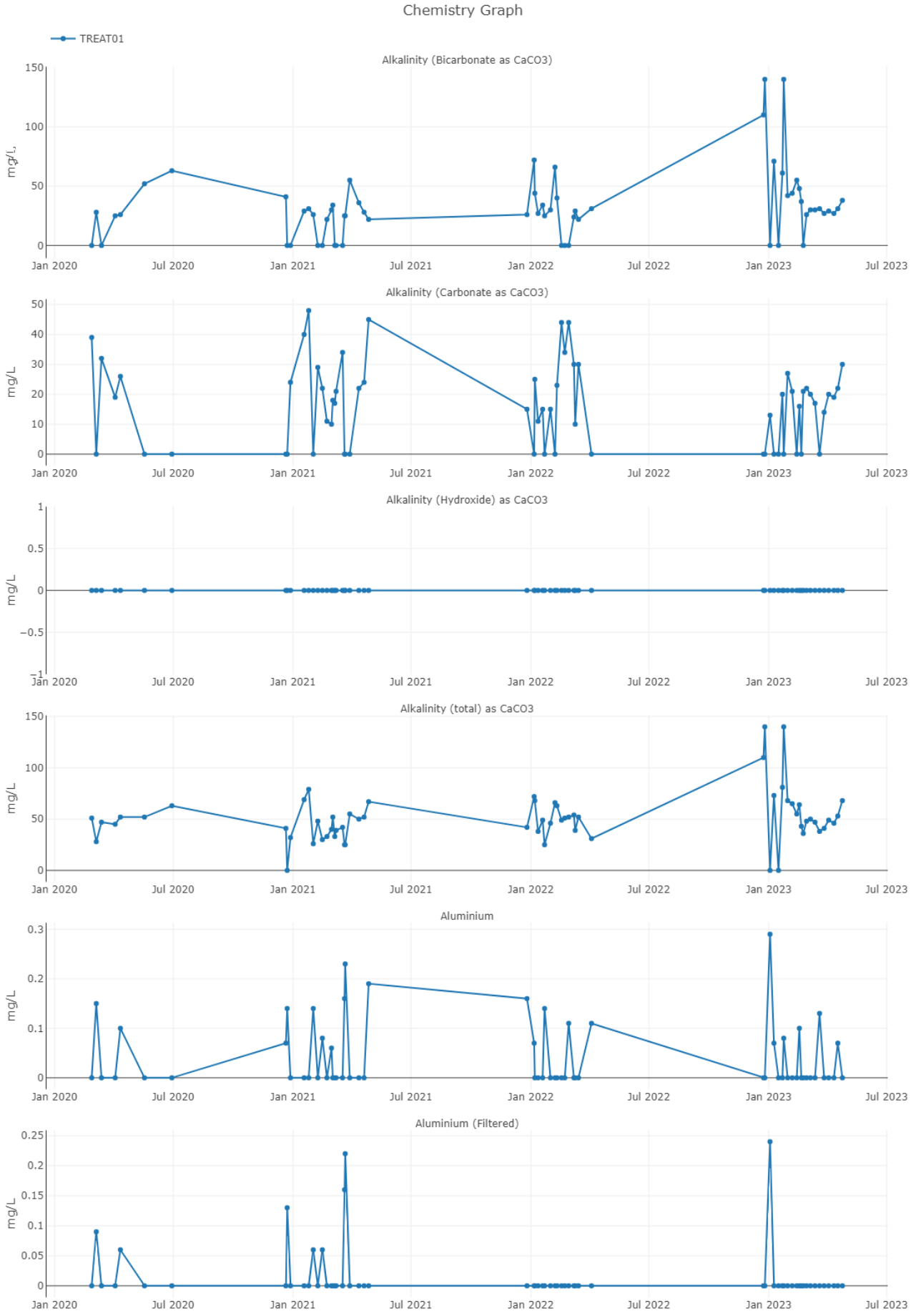

Sulphate
mg/L
400
200
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

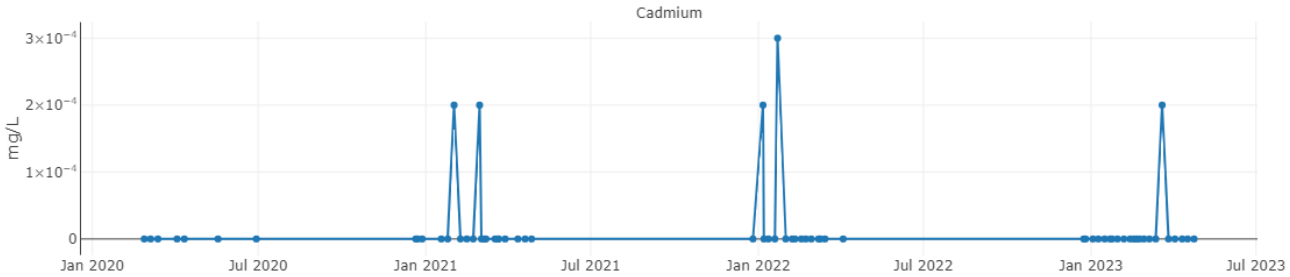

Temperature (Field)
°C
250
200
150
100
50
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023
Total Suspended Solids (Lab)
mg/L
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023
Turbidity (Lab)
NTU
60
40
20
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023
Uranium
µg/L
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023
Uranium (Filtered)
µg/L
20
15
10
5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023
Zinc
mg/L
3
2
1
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

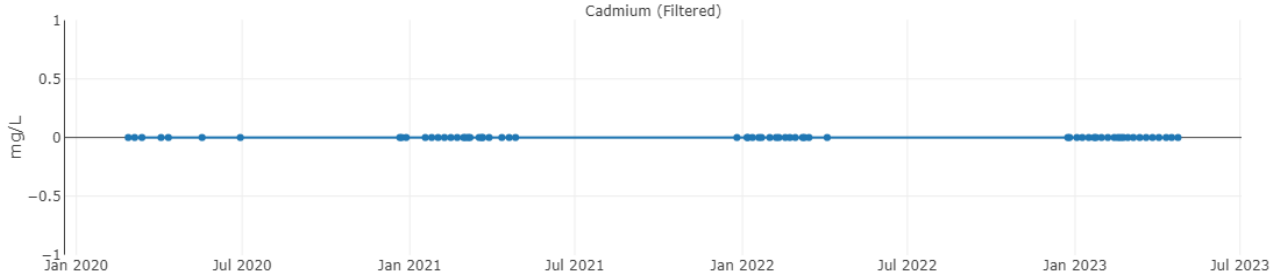


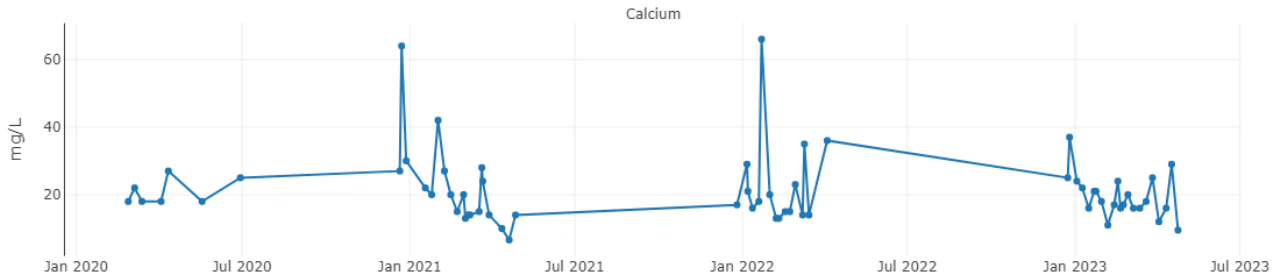
The report was generated based on the following filter:
Sampled Date between "01 Jan 2020" and "30 Apr 2023",
Locations In "Site 5,SITE5"

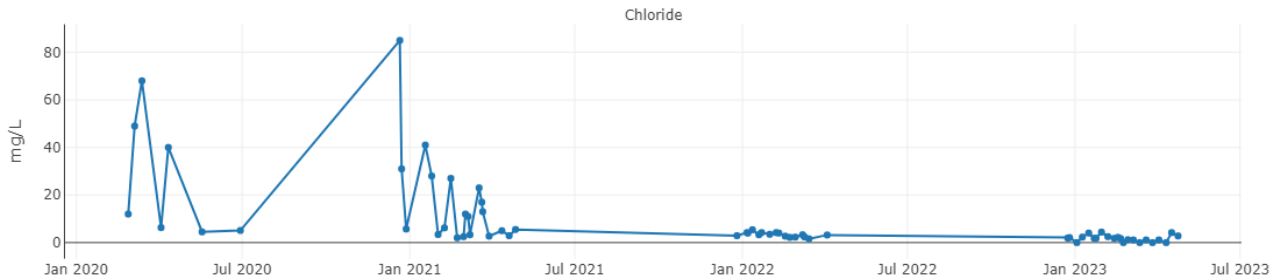
Publication Date: 04 May 2023

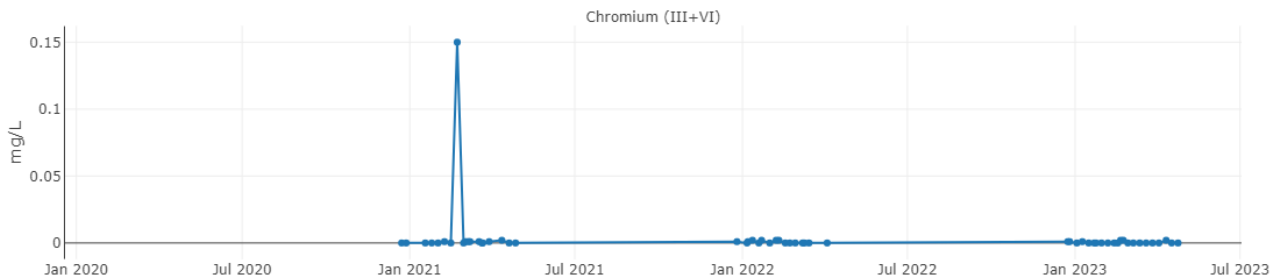

Chemistry Graph
TREAT01
Alkalinity (Bicarbonate as CaCO3)
mg/L
150
100
50
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023
Alkalinity (Carbonate as CaCO3)
mg/L
50
40
30
20
10
0
Alkalinity (Hydroxide) as CaCO3
mg/L
1
0.5
0
−0.5
−1
Alkalinity (total) as CaCO3
mg/L
150
100
50
0
Aluminium
mg/L
0.3
0.2
0.1
0
Aluminium (Filtered)
mg/L
0.25
0.2
0.15
0.1
0.05
0

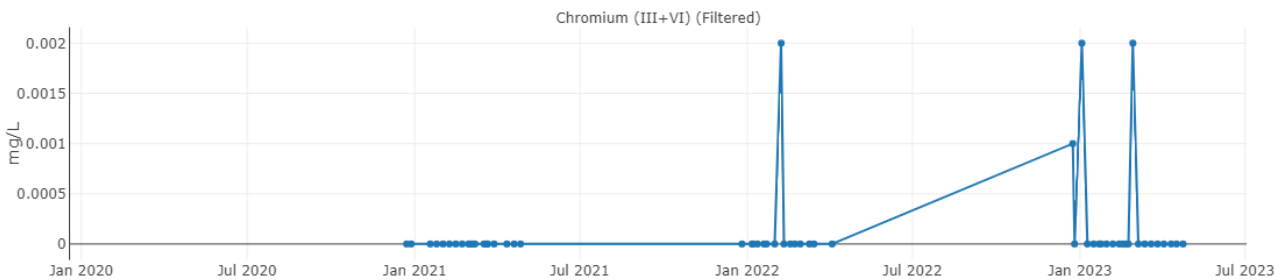

Cadmium
mg/L
3×10⁻⁴
2×10⁻⁴
1×10⁻⁴
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

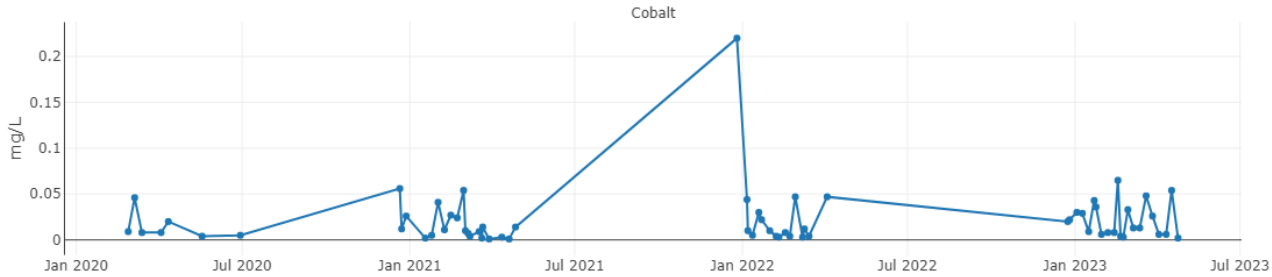

Cadmium (Filtered)
mg/L
1
0.5
0
−0.5
−1
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

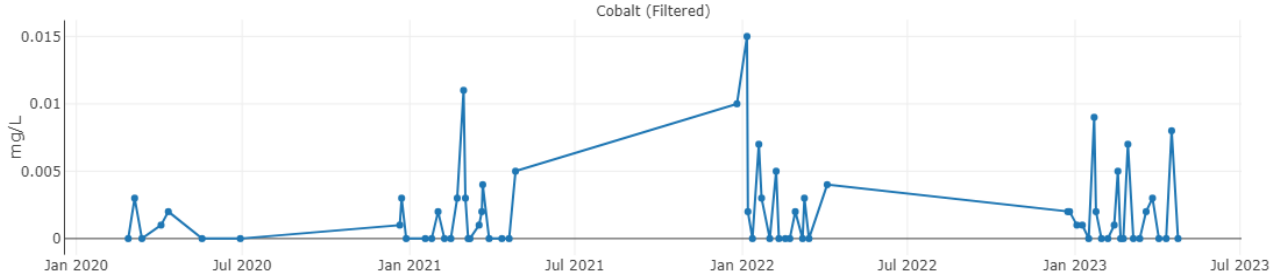

Calcium
mg/L
60
40
20
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

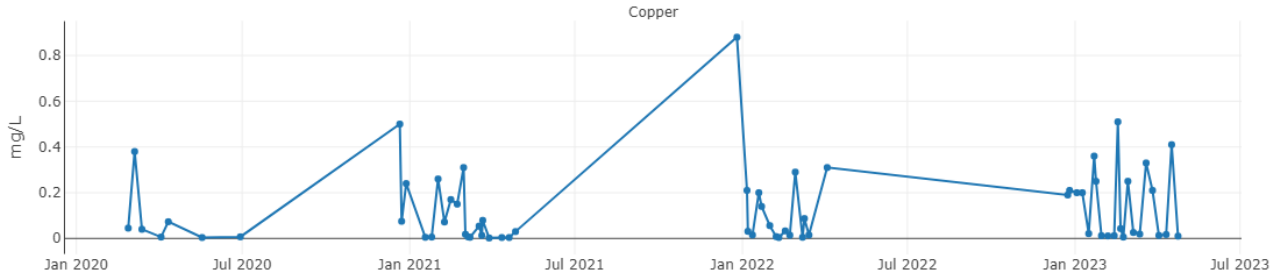

Chloride
mg/L
80
60
40
20
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

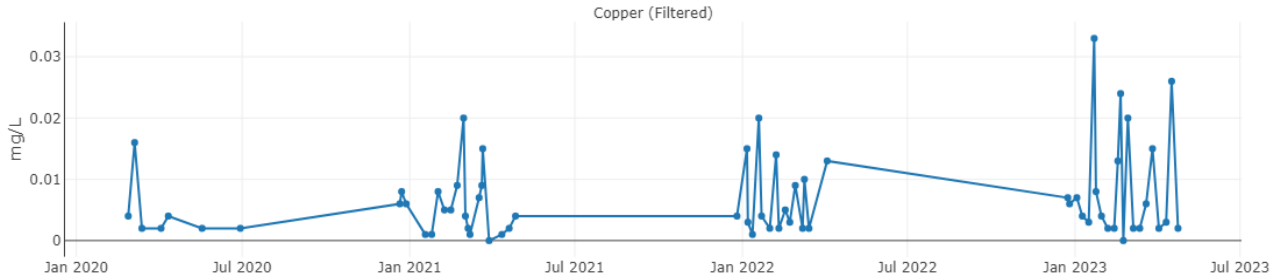

Chromium (III+VI)
mg/L
0.15
0.1
0.05
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

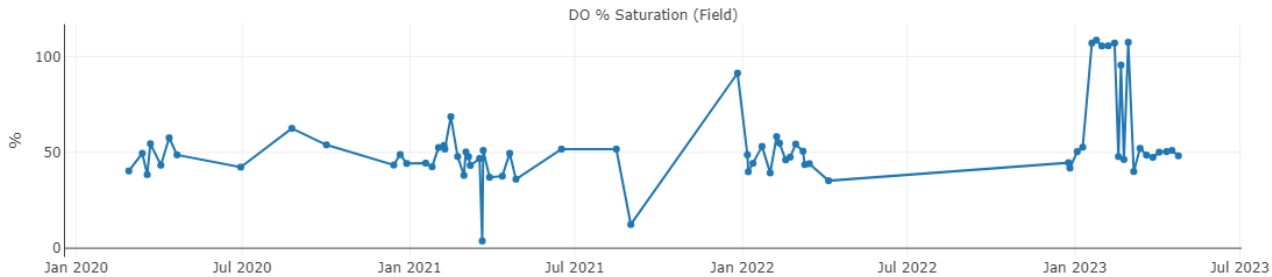

Chromium (III+VI) (Filtered)
mg/L
0.002
0.0015
0.001
0.0005
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

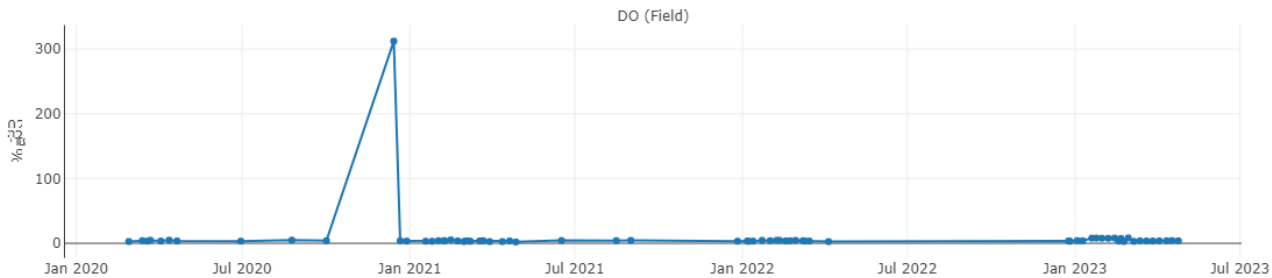

Cobalt
mg/L
0.2
0.15
0.1
0.05
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

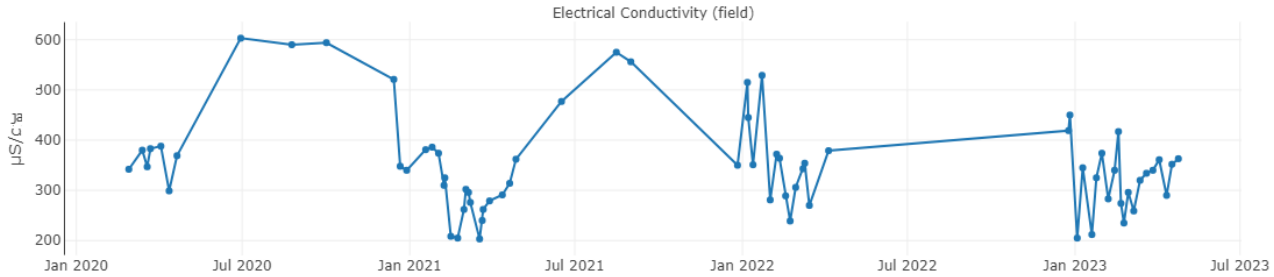

Cobalt (Filtered)
mg/L
0.015
0.01
0.005
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

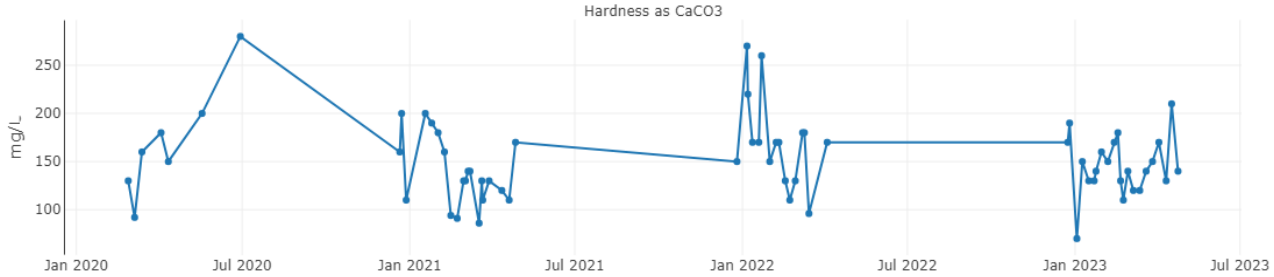

Copper
mg/L
0.8
0.6
0.4
0.2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

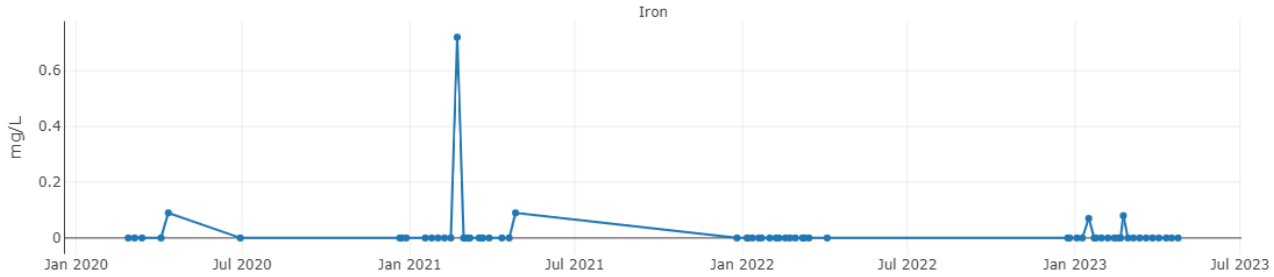

Copper (Filtered)
mg/L
0.03
0.02
0.01
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

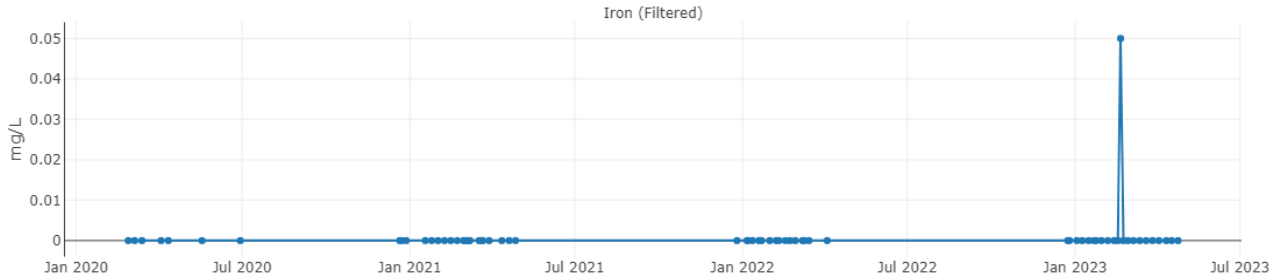

DO % Saturation (Field)
%
100
50
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

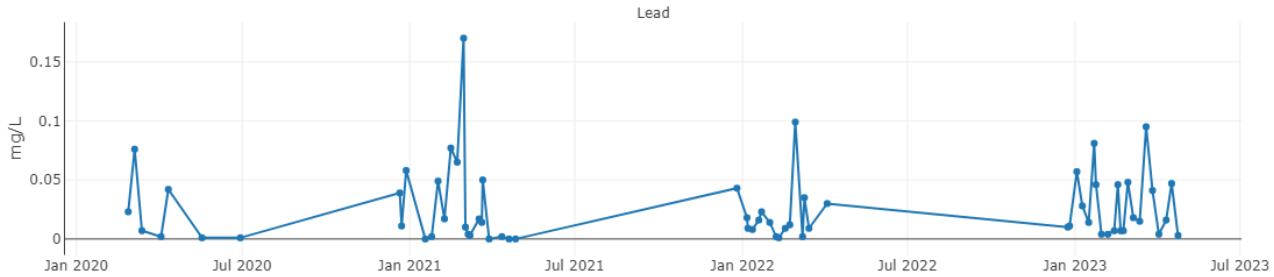

DO (Field)
300
200
100
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

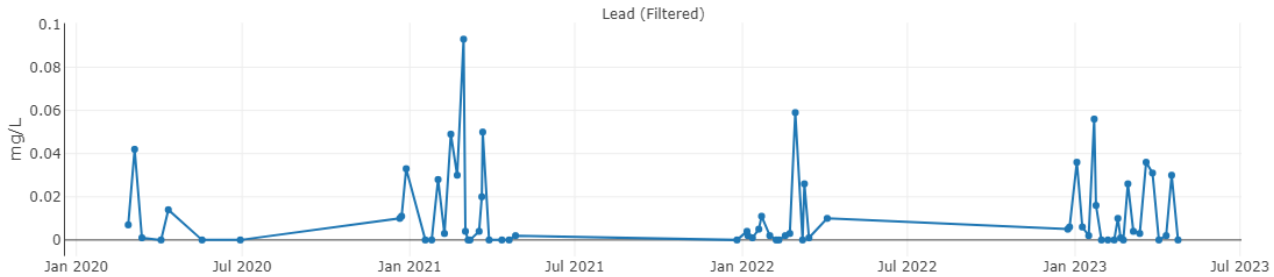

Electrical Conductivity (field)
µS/cm
600
500
400
300
200
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

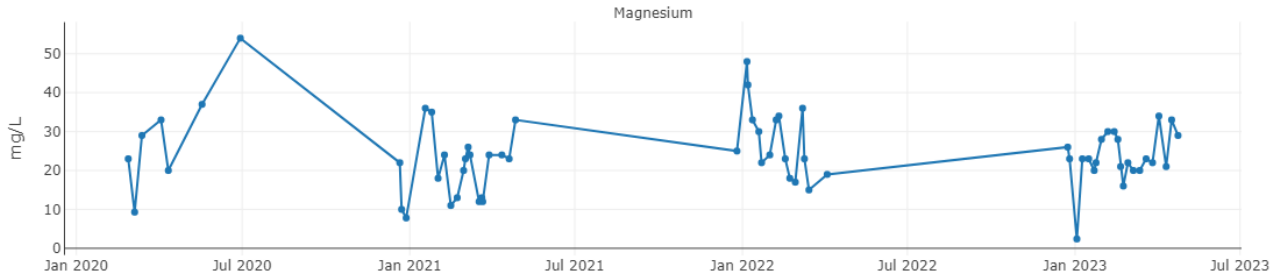

Hardness as CaCO3
mg/L
250
200
150
100
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

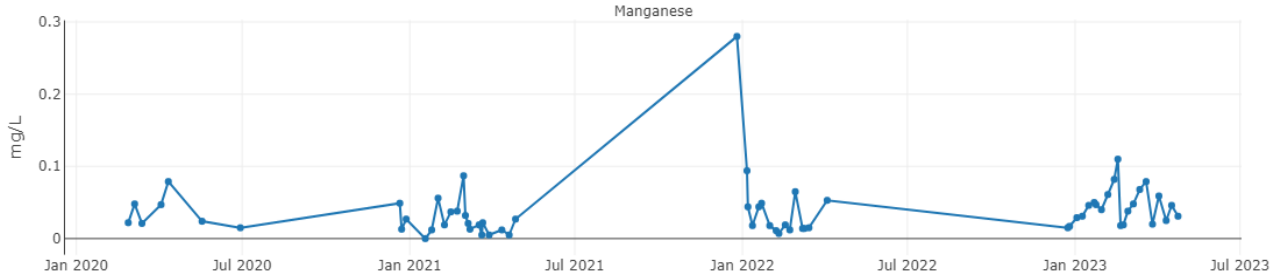

Iron
mg/L
0.6
0.4
0.2
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

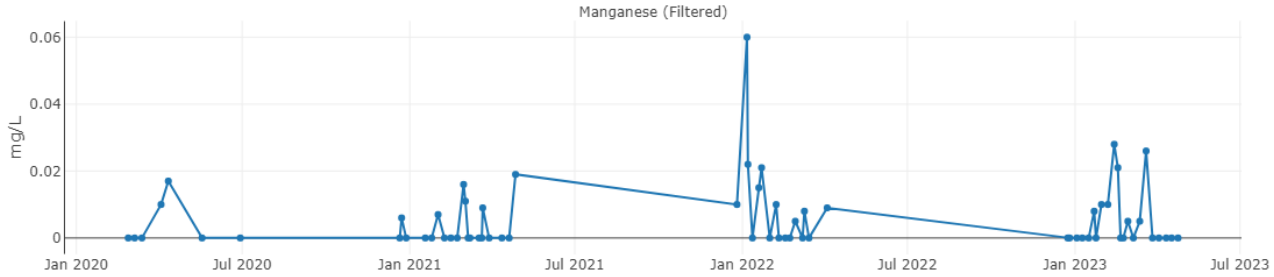

Iron (Filtered)
mg/L
0.05
0.04
0.03
0.02
0.01
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

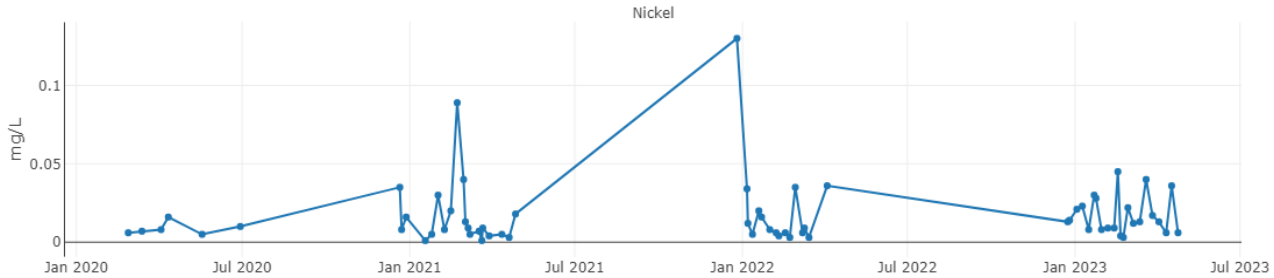

Lead
mg/L
0.15
0.1
0.05
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

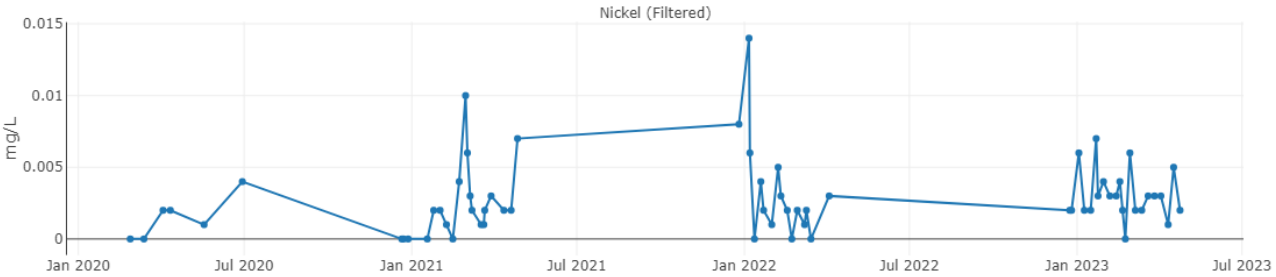

Lead (Filtered)
mg/L
0.1
0.08
0.06
0.04
0.02
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

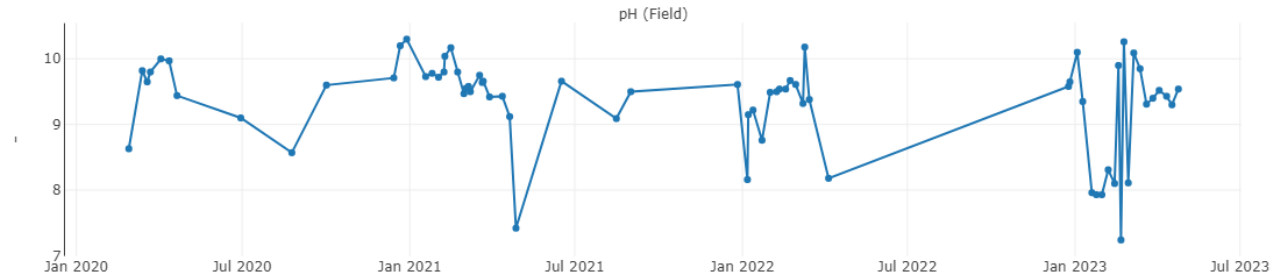

Magnesium
mg/L
50
40
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

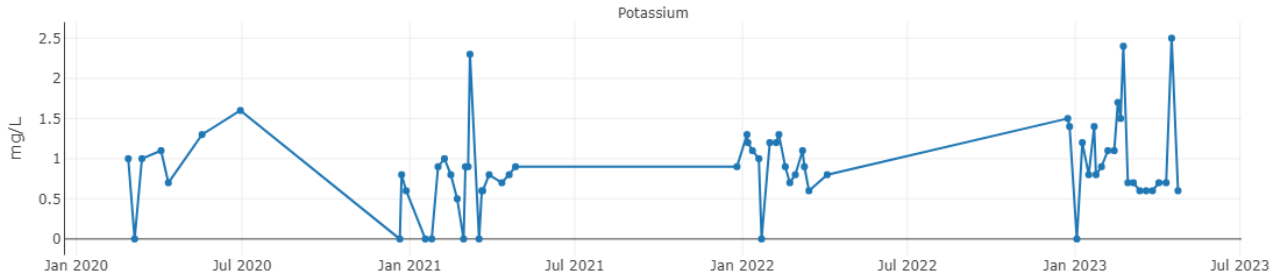

Manganese
mg/L
0.3
0.2
0.1
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

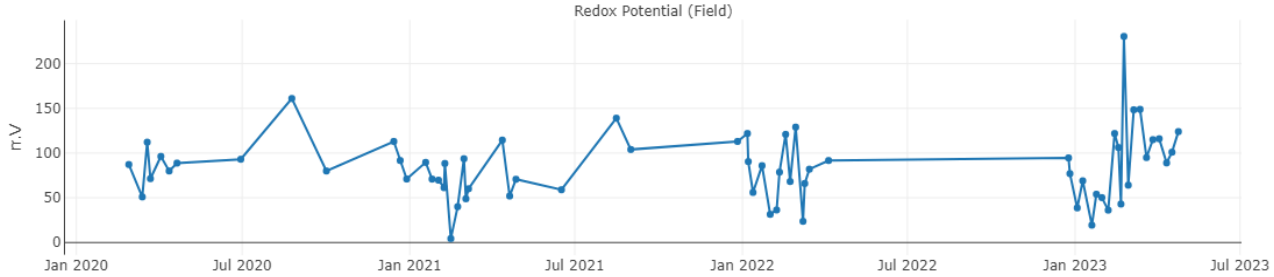

Manganese (Filtered)
mg/L
0.06
0.04
0.02
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

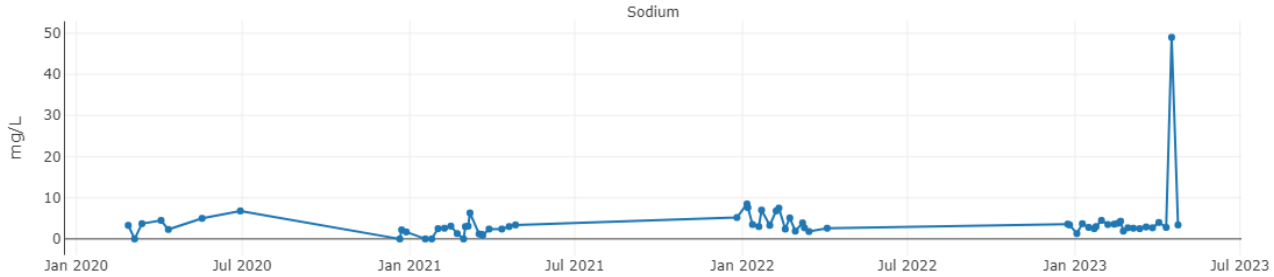

Nickel
mg/L
0.1
0.05
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

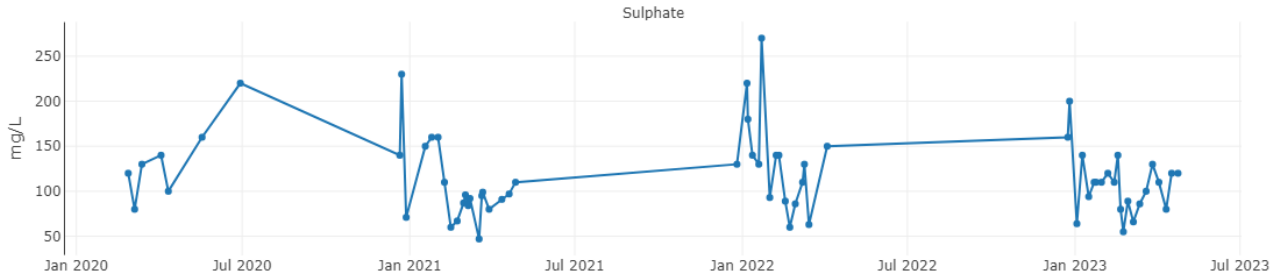

Nickel (Filtered)
mg/L
0.015
0.01
0.005
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

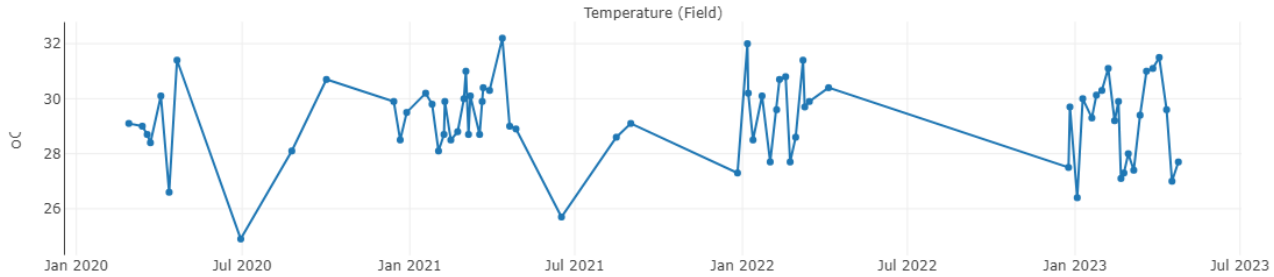

pH (Field)
-
10
9
8
7
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

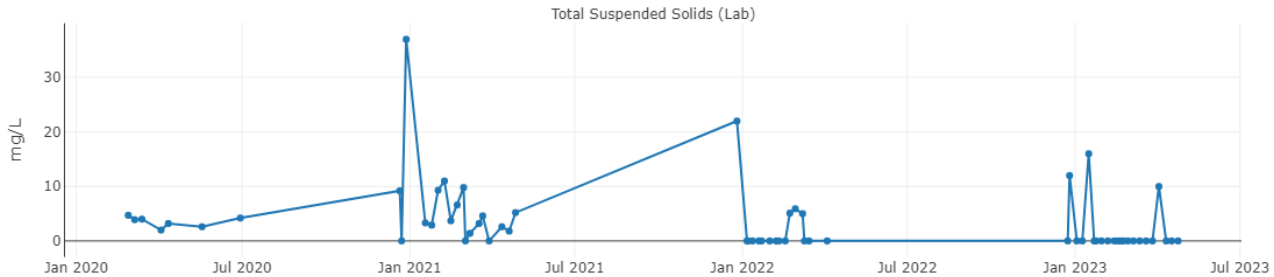

Potassium
mg/L
2.5
2
1.5
1
0.5
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023

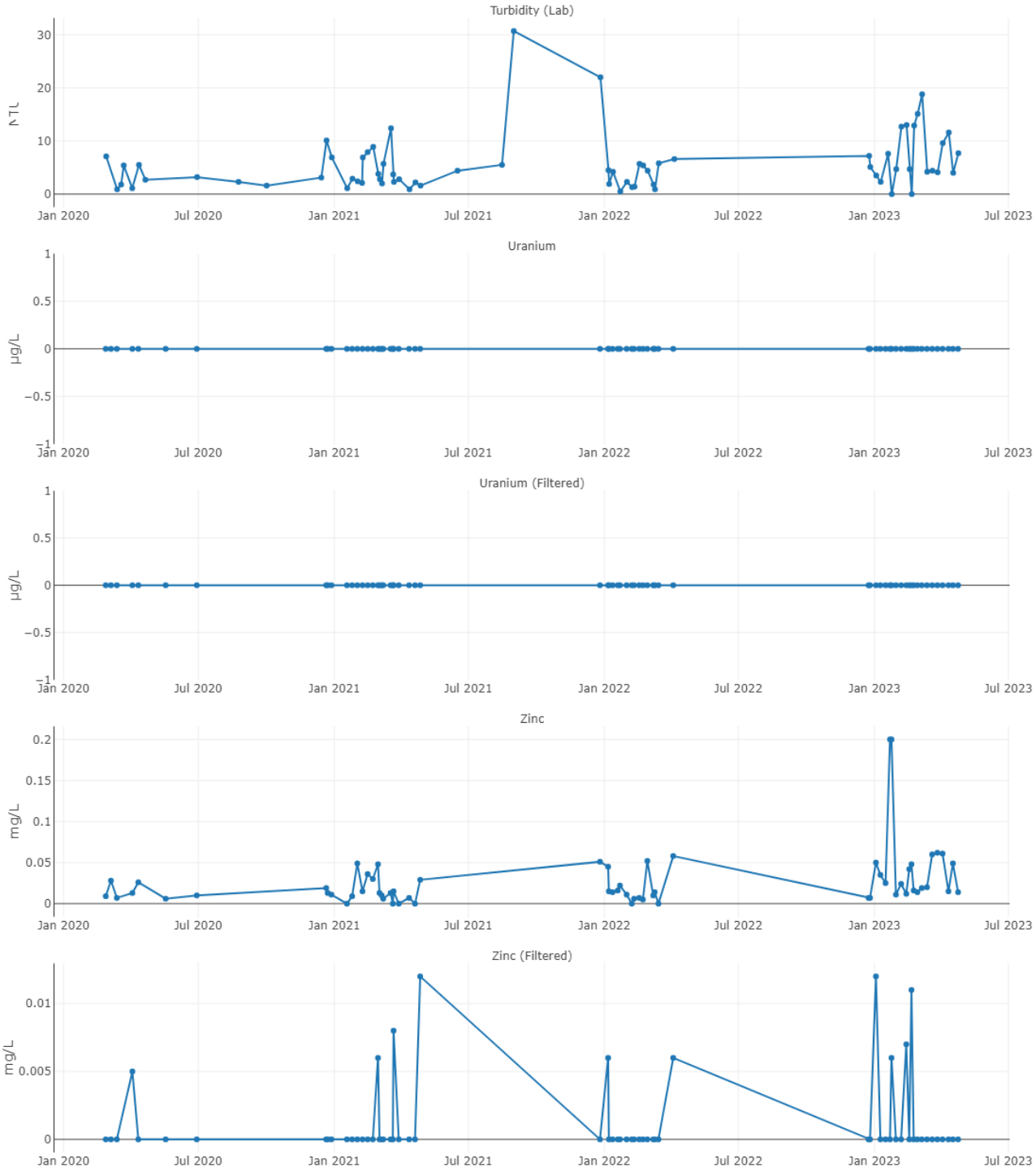

Redox Potential (Field)
m.V
200
150
100
50
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Sodium
mg/L
50
40
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Sulphate
mg/L
250
200
150
100
50
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Temperature (Field)
oC
32
30
28
26
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023


Total Suspended Solids (Lab)
mg/L
30
20
10
0
Jan 2020
Jul 2020
Jan 2021
Jul 2021
Jan 2022
Jul 2022
Jan 2023
Jul 2023



The report was generated based on the following filter:
Sampled Date between "01 Jan 2020" and "30 Apr 2023",
Locations In "TREAT01"

Publication Date: 04 May 2023

APPENDIX E– QAQC CALCULATIONS AND RESULTS FOR 1 MAY 2022 – 30 APRIL 2023

Laboratory Blanks

Lab Report Number	Analysis Batch	Chem Group	Chem Name	Prefix	Result	Unit	Method Name	Lab Sample ID
881074	2022-05-02	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_3_881074
881074	2022-05-02	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_881074
881074	2022-05-02	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_4_881074
881074	2022-05-02	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_2_881074
881074	2022-05-02	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_881074
881074	2022-05-02	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_881074
881074	2022-05-02	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_881074
881074	2022-05-02	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_881074
881074	2022-05-02	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_881074
881074	2022-05-02	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_881074
881074	2022-05-02	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_881074
881074	2022-05-02	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_881074
881074	2022-05-02	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_881074
881074	2022-05-02	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_881074
881074	2022-05-02	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_881074
881074	2022-05-02	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_881074
881074	2022-05-02	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_881074
881074	2022-05-02	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_881074
881074	2022-05-02	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_881074
881074	2022-05-02	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_881074
881074	2022-05-02	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_881074
881074	2022-05-02	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_881074
881074	2022-05-02	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_881074
881074	2022-05-02	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_881074
881074	2022-05-02	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_881074
881074	2022-05-02	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_881074
881074	2022-05-02	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_881074
881074	2022-05-02	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_881074
881074	2022-05-02	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_881074
885060	2022-05-10	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_5_885060
885060	2022-05-10	Inorganics	Alkalinity (Carbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_5_885060
885060	2022-05-10	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_5_885060
885060	2022-05-10	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_5_885060
885060	2022-05-10	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_2_885060
885060	2022-05-10	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_7_885060
885060	2022-05-10	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_3_885060
885060	2022-05-10	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_4_885060
885060	2022-05-10	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_885060
885060	2022-05-10	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_885060
885060	2022-05-10	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_885060
885060	2022-05-10	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_885060
885060	2022-05-10	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_7_885060
885060	2022-05-10	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_885060
885060	2022-05-10	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_885060
885060	2022-05-10	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_885060
885060	2022-05-10	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_885060
885060	2022-05-10	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_885060
885060	2022-05-10	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_885060
885060	2022-05-10	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_885060
885060	2022-05-10	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_885060
885060	2022-05-10	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_885060
885060	2022-05-10	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_885060
885060	2022-05-10	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_7_885060
885060	2022-05-10	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_885060
885060	2022-05-10	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_885060
885060	2022-05-10	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_885060
885060	2022-05-10	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_885060
885060	2022-05-10	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_7_885060
885060	2022-05-10	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_885060
885060	2022-05-10	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_885060
885060	2022-05-10	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_885060
885060	2022-05-10	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_885060
886029	2022-05-12	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_886029
886029	2022-05-12	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_886029
886029	2022-05-12	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_886029
886029	2022-05-12	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_886029
886029	2022-05-12	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_5_886029
886029	2022-05-12	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_886029
886029	2022-05-12	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_6_886029
886029	2022-05-12	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_7_886029
886029	2022-05-12	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_886029
886029	2022-05-12	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_886029
886029	2022-05-12	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_886029
886029	2022-05-12	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_886029
886029	2022-05-12	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_886029
886029	2022-05-12	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_886029
886029	2022-05-12	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_8_886029
886029	2022-05-12	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_886029
886029	2022-05-12	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_886029
886029	2022-05-12	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_886029
886029	2022-05-12	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_886029
886029	2022-05-12	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_886029
886029	2022-05-12	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_886029
886029	2022-05-12	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_886029
886029	2022-05-12	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_886029
886029	2022-05-12	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_886029
886029	2022-05-12	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_886029
886029	2022-05-12	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_886029
886029	2022-05-12	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_886029
886029	2022-05-12	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_886029
886029	2022-05-12	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_886029
886029	2022-05-12	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_886029
886029	2022-05-12	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_886029
886029	2022-05-12	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_886029
886029	2022-05-12	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_886029
886038	2022-05-12	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_886038
886038	2022-05-12	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_886038
886038	2022-05-12	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_886038

Laboratory Blanks

Lab Report Number	Analysis Batch	Chem Group	Chem Name	Prefix	Result	Unit	Method Name	Lab Sample ID
886038	2022-05-12	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_886038
886038	2022-05-12	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_3_886038
886038	2022-05-12	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_886038
886038	2022-05-12	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_3_886038
886038	2022-05-12	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_5_886038
886038	2022-05-12	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_886038
886038	2022-05-12	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_886038
886038	2022-05-12	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_886038
886038	2022-05-12	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_886038
886038	2022-05-12	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_886038
886038	2022-05-12	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_886038
886038	2022-05-12	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_886038
886038	2022-05-12	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_886038
886038	2022-05-12	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_886038
886038	2022-05-12	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_886038
886038	2022-05-12	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_886038
886038	2022-05-12	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_886038
886038	2022-05-12	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_886038
886038	2022-05-12	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_886038
886038	2022-05-12	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_886038
886038	2022-05-12	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_886038
886038	2022-05-12	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_886038
886038	2022-05-12	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_886038
886038	2022-05-12	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_886038
886038	2022-05-12	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_886038
886038	2022-05-12	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_886038
886038	2022-05-12	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_886038
886038	2022-05-12	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_886038
886038	2022-05-12	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_886038
886038	2022-05-12	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_886038
890240	2022-05-26	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_890240
890240	2022-05-26	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_890240
890240	2022-05-26	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_890240
890240	2022-05-26	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_890240
890240	2022-05-26	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_5_890240
890240	2022-05-26	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_890240
890240	2022-05-26	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_7_890240
890240	2022-05-26	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_8_890240
890240	2022-05-26	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_890240
890240	2022-05-26	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_890240
890240	2022-05-26	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_890240
890240	2022-05-26	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_890240
890240	2022-05-26	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_890240
890240	2022-05-26	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_890240
890240	2022-05-26	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_890240
890240	2022-05-26	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_890240
890240	2022-05-26	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_890240
890240	2022-05-26	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_890240
890240	2022-05-26	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_890240
890240	2022-05-26	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_890240
890240	2022-05-26	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_890240
890240	2022-05-26	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_890240
890240	2022-05-26	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_890240
890240	2022-05-26	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_890240
890240	2022-05-26	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_890240
890240	2022-05-26	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_890240
890240	2022-05-26	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_890240
890240	2022-05-26	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_890240
890240	2022-05-26	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_890240
890240	2022-05-26	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_890240
890240	2022-05-26	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_890240
890240	2022-05-26	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_890240
890240	2022-05-26	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_890240
893152	2022-06-06	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_893152
893152	2022-06-06	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_893152
893152	2022-06-06	Inorganics	Ammonia as N	<	0.01	mg/L	APHA 4500-NH3 Ammonia Nitrogen by FIA	MB_6_893152
893152	2022-06-06	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_3_893152
893152	2022-06-06	Inorganics	Nitrate (as N)	<	0.02	mg/L	LTM-INO-4120 Analysis of NOx NO2 NH3 by FIA	MB_6_893152
893152	2022-06-06	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_893152
893152	2022-06-06	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_4_893152
893152	2022-06-06	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_893152
893152	2022-06-06	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_893152
893152	2022-06-06	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_893152
893152	2022-06-06	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_893152
893152	2022-06-06	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_893152
893152	2022-06-06	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_893152
893152	2022-06-06	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_893152
893152	2022-06-06	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_893152
893152	2022-06-06	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_893152
893152	2022-06-06	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_893152
893152	2022-06-06	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_893152
893152	2022-06-06	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_893152
893152	2022-06-06	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_893152
893152	2022-06-06	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_893152
893152	2022-06-06	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_893152
893152	2022-06-06	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_893152
893152	2022-06-06	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_893152
893152	2022-06-06	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_893152
893152	2022-06-06	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_893152
893152	2022-06-06	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_893152
893152	2022-06-06	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_893152
893152	2022-06-06	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_893152
893152	2022-06-06	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_893152
893152	2022-06-06	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_893152
893152	2022-06-06	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_893152
903116	2022-07-12	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_6_903116
903116	2022-07-12	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_6_903116
903116	2022-07-12	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_6_903116

Laboratory Blanks

Lab Report Number	Analysis Batch	Chem Group	Chem Name	Prefix	Result	Unit	Method Name	Lab Sample ID
903116	2022-07-12	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_6_903116
903116	2022-07-12	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_3_903116
903116	2022-07-12	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_5_903116
903116	2022-07-12	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_7_903116
903116	2022-07-12	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_4_903116
903116	2022-07-12	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_903116
903116	2022-07-12	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_903116
903116	2022-07-12	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_903116
903116	2022-07-12	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_903116
903116	2022-07-12	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_5_903116
903116	2022-07-12	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_903116
903116	2022-07-12	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_903116
903116	2022-07-12	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_903116
903116	2022-07-12	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_903116
903116	2022-07-12	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_903116
903116	2022-07-12	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_903116
903116	2022-07-12	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_903116
903116	2022-07-12	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_903116
903116	2022-07-12	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_903116
903116	2022-07-12	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_5_903116
903116	2022-07-12	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_903116
903116	2022-07-12	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_903116
903116	2022-07-12	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_903116
903116	2022-07-12	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_903116
903116	2022-07-12	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_5_903116
903116	2022-07-12	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_903116
903116	2022-07-12	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_903116
903116	2022-07-12	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_903116
903116	2022-07-12	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_903116
906906	2022-07-22	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_906906
906906	2022-07-22	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_906906
906906	2022-07-22	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_906906
906906	2022-07-22	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_906906
906906	2022-07-22	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_4_906906
906906	2022-07-22	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_906906
906906	2022-07-22	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_5_906906
906906	2022-07-22	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_6_906906
906906	2022-07-22	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_906906
906906	2022-07-22	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_906906
906906	2022-07-22	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_906906
906906	2022-07-22	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_906906
906906	2022-07-22	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_906906
906906	2022-07-22	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_906906
906906	2022-07-22	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_906906
906906	2022-07-22	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_906906
906906	2022-07-22	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_906906
906906	2022-07-22	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_906906
906906	2022-07-22	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_906906
906906	2022-07-22	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_906906
906906	2022-07-22	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_906906
906906	2022-07-22	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_906906
906906	2022-07-22	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_906906
906906	2022-07-22	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_906906
906906	2022-07-22	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_906906
906906	2022-07-22	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_906906
906906	2022-07-22	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_906906
906906	2022-07-22	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_906906
906906	2022-07-22	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_906906
906906	2022-07-22	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_906906
906906	2022-07-22	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_906906
911458	2022-08-11	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_911458
911458	2022-08-11	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_911458
911458	2022-08-11	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_911458
911458	2022-08-11	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_911458
911458	2022-08-11	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_911458
911458	2022-08-11	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_6_911458
911458	2022-08-11	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_911458
911458	2022-08-11	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_911458
911458	2022-08-11	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_911458
911458	2022-08-11	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_911458
911458	2022-08-11	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_911458
911458	2022-08-11	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_911458
911458	2022-08-11	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_911458
911458	2022-08-11	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_911458
911458	2022-08-11	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_911458
911458	2022-08-11	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_911458
911458	2022-08-11	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_911458
911458	2022-08-11	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_911458
911458	2022-08-11	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_911458
911458	2022-08-11	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_911458
911458	2022-08-11	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_911458
911458	2022-08-11	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_911458
911458	2022-08-11	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_911458
911458	2022-08-11	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_911458
911458	2022-08-11	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_911458
911458	2022-08-11	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_911458
911458	2022-08-11	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_911458
911458	2022-08-11	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_911458
911458	2022-08-11	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_911458
911458	2022-08-11	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_911458
911458	2022-08-11	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_911458
915162	2022-08-23	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_915162
915162	2022-08-23	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_915162
915162	2022-08-23	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_915162
915162	2022-08-23	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_915162
915162	2022-08-23	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_4_915162
915162	2022-08-23	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_915162
915162	2022-08-23	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_5_915162

Laboratory Blanks

Lab Report Number	Analysis Batch	Chem Group	Chem Name	Prefix	Result	Unit	Method Name	Lab Sample ID
915162	2022-08-23	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_6_915162
915162	2022-08-23	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_915162
915162	2022-08-23	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_915162
915162	2022-08-23	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_915162
915162	2022-08-23	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_915162
915162	2022-08-23	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_915162
915162	2022-08-23	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_915162
915162	2022-08-23	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_915162
915162	2022-08-23	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_915162
915162	2022-08-23	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_915162
915162	2022-08-23	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_915162
915162	2022-08-23	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_915162
915162	2022-08-23	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_915162
915162	2022-08-23	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_915162
915162	2022-08-23	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_915162
915162	2022-08-23	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_915162
915162	2022-08-23	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_915162
915162	2022-08-23	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_915162
915162	2022-08-23	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_915162
915162	2022-08-23	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_915162
915162	2022-08-23	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_915162
915162	2022-08-23	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_915162
915162	2022-08-23	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_915162
915162	2022-08-23	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_915162
915162	2022-08-23	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_915162
915162	2022-08-23	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_915162
921531	2022-09-14	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_921531
921531	2022-09-14	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_921531
921531	2022-09-14	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_921531
921531	2022-09-14	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_921531
921531	2022-09-14	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_5_921531
921531	2022-09-14	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_921531
921531	2022-09-14	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_6_921531
921531	2022-09-14	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_7_921531
921531	2022-09-14	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_921531
921531	2022-09-14	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_921531
921531	2022-09-14	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_921531
921531	2022-09-14	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_921531
921531	2022-09-14	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_921531
921531	2022-09-14	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_921531
921531	2022-09-14	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_921531
921531	2022-09-14	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_921531
921531	2022-09-14	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_921531
921531	2022-09-14	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_921531
921531	2022-09-14	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_921531
921531	2022-09-14	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_921531
921531	2022-09-14	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_921531
921531	2022-09-14	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_921531
921531	2022-09-14	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_921531
921531	2022-09-14	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_921531
921531	2022-09-14	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_921531
921531	2022-09-14	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_921531
921531	2022-09-14	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_921531
921531	2022-09-14	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_921531
921531	2022-09-14	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_921531
921531	2022-09-14	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_921531
921531	2022-09-14	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_921531
921531	2022-09-14	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_921531
921531	2022-09-14	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_921531
926560	2022-10-04	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_926560
926560	2022-10-04	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_926560
926560	2022-10-04	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_926560
926560	2022-10-04	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_926560
926560	2022-10-04	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_4_926560
926560	2022-10-04	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_926560
926560	2022-10-04	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_5_926560
926560	2022-10-04	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_6_926560
926560	2022-10-04	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_926560
926560	2022-10-04	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_926560
926560	2022-10-04	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_926560
926560	2022-10-04	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_926560
926560	2022-10-04	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_926560
926560	2022-10-04	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_926560
926560	2022-10-04	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_926560
926560	2022-10-04	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_926560
926560	2022-10-04	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_926560
926560	2022-10-04	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_926560
926560	2022-10-04	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_926560
926560	2022-10-04	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_926560
926560	2022-10-04	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_926560
926560	2022-10-04	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_926560
926560	2022-10-04	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_926560
926560	2022-10-04	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_926560
926560	2022-10-04	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_926560
926560	2022-10-04	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_926560
926560	2022-10-04	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_926560
926560	2022-10-04	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_926560
926560	2022-10-04	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_926560
926560	2022-10-04	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_926560
926560	2022-10-04	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_926560
926560	2022-10-04	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_926560
926560	2022-10-04	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_926560
932025	2022-10-20	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_6_932025
932025	2022-10-20	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_6_932025
932025	2022-10-20	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_6_932025
932025	2022-10-20	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_6_932025
932025	2022-10-20	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_4_932025
932025	2022-10-20	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_932025

Laboratory Blanks

Lab Report Number	Analysis Batch	Chem Group	Chem Name	Prefix	Result	Unit	Method Name	Lab Sample ID
932025	2022-10-20	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_7_932025
932025	2022-10-20	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_5_932025
932025	2022-10-20	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_932025
932025	2022-10-20	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_932025
932025	2022-10-20	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_932025
932025	2022-10-20	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_932025
932025	2022-10-20	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_932025
932025	2022-10-20	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_932025
932025	2022-10-20	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_932025
932025	2022-10-20	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_932025
932025	2022-10-20	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_932025
932025	2022-10-20	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_932025
932025	2022-10-20	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_932025
932025	2022-10-20	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_932025
932025	2022-10-20	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_932025
932025	2022-10-20	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_932025
932025	2022-10-20	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_932025
932025	2022-10-20	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_932025
932025	2022-10-20	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_932025
932025	2022-10-20	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_932025
932025	2022-10-20	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_932025
932025	2022-10-20	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_932025
932025	2022-10-20	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_932025
932025	2022-10-20	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_932025
932025	2022-10-20	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_932025
932025	2022-10-20	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_932025
937225	2022-11-08	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_7_937225
937225	2022-11-08	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_7_937225
937225	2022-11-08	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_7_937225
937225	2022-11-08	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_7_937225
937225	2022-11-08	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_4_937225
937225	2022-11-08	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_5_937225
937225	2022-11-08	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_4_937225
937225	2022-11-08	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_6_937225
937225	2022-11-08	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_937225
937225	2022-11-08	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_937225
937225	2022-11-08	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_937225
937225	2022-11-08	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_937225
937225	2022-11-08	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_937225
937225	2022-11-08	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_937225
937225	2022-11-08	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_937225
937225	2022-11-08	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_937225
937225	2022-11-08	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_937225
937225	2022-11-08	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_937225
937225	2022-11-08	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_937225
937225	2022-11-08	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_937225
937225	2022-11-08	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_937225
937225	2022-11-08	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_937225
937225	2022-11-08	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_937225
937225	2022-11-08	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_937225
937225	2022-11-08	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_937225
937225	2022-11-08	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_937225
937225	2022-11-08	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_937225
937225	2022-11-08	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_937225
937225	2022-11-08	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_5_937225
937225	2022-11-08	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_937225
937225	2022-11-08	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_937225
937225	2022-11-08	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_937225
937225	2022-11-08	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_937225
939347	2022-11-11	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_5_939347
939347	2022-11-14	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_7_939347
939347	2022-11-17	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_939347
939347	2022-11-17	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_939347
939347	2022-11-17	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_939347
939347	2022-11-17	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_939347
939347	2022-11-17	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_939347
939347	2022-11-17	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_6_939347
939347	2022-11-17	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_939347
939347	2022-11-17	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_939347
939347	2022-11-17	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_939347
939347	2022-11-17	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_939347
939347	2022-11-17	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_939347
939347	2022-11-17	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_939347
939347	2022-11-17	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_939347
939347	2022-11-17	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_939347
939347	2022-11-17	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_939347
939347	2022-11-17	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_939347
939347	2022-11-17	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_939347
939347	2022-11-17	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_939347
939347	2022-11-17	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_939347
939347	2022-11-17	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_939347
939347	2022-11-17	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_939347
939347	2022-11-17	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_939347
939347	2022-11-17	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_939347
939347	2022-11-17	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_939347
939347	2022-11-17	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_939347
939347	2022-11-17	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_939347
939347	2022-11-17	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_939347
939347	2022-11-17	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_939347
939347	2022-11-17	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_939347
939347	2022-11-17	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_939347
939347	2022-11-17	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_939347
941200	2022-11-18	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_5_941200
941200	2022-11-21	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_4_941200
941200	2022-11-21	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_941200
941200	2022-11-21	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_6_941200
941200	2022-11-21	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_941200
941200	2022-11-21	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_941200

Laboratory Blanks

Lab Report Number	Analysis Batch	Chem Group	Chem Name	Prefix	Result	Unit	Method Name	Lab Sample ID
941200	2022-11-21	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_941200
941200	2022-11-21	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_941200
941200	2022-11-21	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_941200
941200	2022-11-21	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_941200
941200	2022-11-21	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_941200
941200	2022-11-21	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_941200
941200	2022-11-21	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_941200
941200	2022-11-21	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_941200
941200	2022-11-21	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_941200
941200	2022-11-21	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_941200
941200	2022-11-21	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_941200
941200	2022-11-21	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_941200
941200	2022-11-21	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_941200
941200	2022-11-21	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_941200
941200	2022-11-21	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_941200
941200	2022-11-21	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_941200
941200	2022-11-21	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_941200
941200	2022-11-21	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_941200
941200	2022-11-21	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_941200
941200	2022-11-21	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_941200
941200	2022-11-21	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_941200
941200	2022-11-21	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_941200
941200	2022-11-21	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_941200
943385	2022-11-24	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_5_943385
943385	2022-11-24	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_6_943385
943385	2022-11-25	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_943385
943385	2022-11-25	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_7_943385
943385	2022-11-25	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_943385
943385	2022-11-25	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_943385
943385	2022-11-25	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_943385
943385	2022-11-29	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_943385
943385	2022-11-29	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_943385
943385	2022-11-29	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_943385
943385	2022-11-29	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_943385
943385	2022-11-29	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_943385
943385	2022-11-29	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_943385
943385	2022-11-29	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_943385
943385	2022-11-29	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_943385
943385	2022-11-29	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_943385
943385	2022-11-29	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_943385
943385	2022-11-29	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_943385
943385	2022-11-29	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_943385
943385	2022-11-29	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_943385
943385	2022-11-29	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_943385
943385	2022-11-29	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_943385
943385	2022-11-29	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_943385
943385	2022-11-29	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_943385
943385	2022-11-29	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_943385
943385	2022-11-29	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_943385
943385	2022-11-29	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_943385
943385	2022-11-29	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_943385
943385	2022-11-29	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_943385
943385	2022-11-29	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_943385
943385	2022-11-29	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_943385
943385	2022-11-29	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_943385
943385	2022-11-29	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_943385
946257	2022-12-05	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_6_946257
946257	2022-12-05	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_4_946257
946257	2022-12-06	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_946257
946257	2022-12-06	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_946257
946257	2022-12-06	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_946257
946257	2022-12-06	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_946257
946257	2022-12-06	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_946257
946257	2022-12-06	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_946257
946257	2022-12-06	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_946257
946257	2022-12-06	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_946257
946257	2022-12-06	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_946257
946257	2022-12-06	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_946257
946257	2022-12-06	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_946257
946257	2022-12-06	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_946257
946257	2022-12-06	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_946257
946257	2022-12-06	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_946257
946257	2022-12-06	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_946257
946257	2022-12-06	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_946257
946257	2022-12-06	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_946257
946257	2022-12-06	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_946257
946257	2022-12-06	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_946257
946257	2022-12-06	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_946257
946257	2022-12-06	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_946257
946257	2022-12-06	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_946257
946257	2022-12-07	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_946257
946257	2022-12-07	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_946257
946257	2022-12-07	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_946257
946257	2022-12-07	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_946257
946257	2022-12-07	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_946257
946257	2022-12-07	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_7_946257
946257	2022-12-07	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_946257
946257	2022-12-07	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_946257
946257	2022-12-07	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_946257
947603	2022-12-08	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_3_947603
947603	2022-12-08	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_5_947603
947603	2022-12-08	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_947603
947603	2022-12-08	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_947603
947603	2022-12-08	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_947603
947603	2022-12-08	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_947603
947603	2022-12-08	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_947603
947603	2022-12-08	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_947603
947603	2022-12-08	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_947603

Laboratory Blanks

Lab Report Number	Analysis Batch	Chem Group	Chem Name	Prefix	Result	Unit	Method Name	Lab Sample ID
947603	2022-12-08	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_947603
947603	2022-12-08	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_947603
947603	2022-12-08	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_947603
947603	2022-12-08	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_947603
947603	2022-12-08	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_947603
947603	2022-12-08	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_947603
947603	2022-12-08	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_947603
947603	2022-12-08	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_947603
947603	2022-12-08	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_947603
947603	2022-12-08	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_947603
947603	2022-12-08	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_947603
947603	2022-12-08	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_947603
947603	2022-12-08	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_947603
947603	2022-12-08	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_947603
947603	2022-12-08	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_947603
947603	2022-12-09	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_947603
947603	2022-12-09	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_947603
947603	2022-12-09	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_947603
947603	2022-12-09	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_947603
947603	2022-12-09	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_947603
947603	2022-12-09	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_4_947603
947603	2022-12-09	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_947603
947603	2022-12-09	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_947603
947603	2022-12-09	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_947603
950267	2022-12-15	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_7_950267
950267	2022-12-15	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_5_950267
950267	2022-12-16	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_950267
950267	2022-12-16	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_950267
950267	2022-12-16	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_950267
950267	2022-12-16	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_950267
950267	2022-12-16	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_950267
950267	2022-12-16	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_950267
950267	2022-12-16	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_950267
950267	2022-12-16	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_950267
950267	2022-12-16	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_950267
950267	2022-12-16	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_950267
950267	2022-12-16	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_950267
950267	2022-12-19	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_950267
950267	2022-12-19	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_950267
950267	2022-12-19	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_950267
950267	2022-12-19	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_950267
950267	2022-12-19	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_950267
950267	2022-12-19	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_6_950267
950267	2022-12-19	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_950267
950267	2022-12-19	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_950267
950267	2022-12-19	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_950267
950267	2022-12-19	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_950267
950267	2022-12-19	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_950267
950267	2022-12-19	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_950267
950267	2022-12-19	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_950267
950267	2022-12-19	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_950267
950267	2022-12-19	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_950267
950267	2022-12-19	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_950267
950267	2022-12-19	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_950267
950267	2022-12-19	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_950267
950267	2022-12-19	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_950267
950267	2022-12-19	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_950267
951650		Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_951650
951650		Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_951650
951650		Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_951650
951650		Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_951650
951650		Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_2_951650
951650		Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_7_951650
951650		Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_3_951650
951650	2023-01-09	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_951650
951650	2023-01-09	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_951650
951650	2023-01-09	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_951650
951650	2023-01-09	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_951650
951650	2023-01-09	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_951650
951650	2023-01-09	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_951650
951650	2023-01-09	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_951650
951650	2023-01-09	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_951650
951650	2023-01-09	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_951650
951650	2023-01-09	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_951650
951650	2023-01-09	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_951650
951650	2023-01-09	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_951650
951650	2023-01-09	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_951650
951650	2023-01-09	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_951650
951650	2023-01-09	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_951650
951650	2023-01-09	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_951650
951650	2023-01-09	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_951650
951650	2023-01-09	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_951650
951650	2023-01-09	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_951650
951650	2023-01-09	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_951650
951650	2023-01-09	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_951650
951650	2023-01-09	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_951650
951650	2023-01-09	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_951650
951650	2023-01-09	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_951650
951650	2023-01-09	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_951650
951650	2023-01-09	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_951650
953246	2023-01-03	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_7_953246
953246	2023-01-03	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_4_953246
953246	2023-01-06	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953246
953246	2023-01-06	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953246
953246	2023-01-06	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953246
953246	2023-01-06	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953246
953246	2023-01-06	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953246
953246	2023-01-06	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953246

Laboratory Blanks

Lab Report Number	Analysis Batch	Chem Group	Chem Name	Prefix	Result	Unit	Method Name	Lab Sample ID
953246	2023-01-06	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953246
953246	2023-01-06	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953246
953246	2023-01-06	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953246
953246	2023-01-06	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953246
953246	2023-01-06	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953246
953246	2023-01-11	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_953246
953246	2023-01-11	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_953246
953246	2023-01-11	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_953246
953246	2023-01-11	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_953246
953246	2023-01-11	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_953246
953246	2023-01-11	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_953246
953246	2023-01-11	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_953246
953246	2023-01-11	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_953246
953246	2023-01-11	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_953246
953246	2023-01-11	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_953246
953246	2023-01-11	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_953246
953246	2023-01-12	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_953246
953246	2023-01-12	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_953246
953246	2023-01-12	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_953246
953246	2023-01-12	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_5_953246
953246	2023-01-12	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_953246
953246	2023-01-12	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_953246
953246	2023-01-12	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_953246
953248	2023-01-03	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_7_953248
953248	2023-01-03	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_5_953248
953248	2023-01-06	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_953248
953248	2023-01-06	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953248
953248	2023-01-06	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953248
953248	2023-01-06	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_953248
953248	2023-01-06	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953248
953248	2023-01-06	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953248
953248	2023-01-06	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953248
953248	2023-01-06	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953248
953248	2023-01-06	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953248
953248	2023-01-06	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_953248
953248	2023-01-06	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953248
953248	2023-01-06	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953248
953248	2023-01-06	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_953248
953248	2023-01-06	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953248
953248	2023-01-06	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953248
953248	2023-01-11	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953248
953248	2023-01-11	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953248
953248	2023-01-11	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953248
953248	2023-01-11	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953248
953248	2023-01-11	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953248
953248	2023-01-11	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953248
953248	2023-01-11	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953248
953248	2023-01-11	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953248
953248	2023-01-11	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953248
953248	2023-01-11	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953248
953248	2023-01-11	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953248
953248	2023-01-12	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_953248
953248	2023-01-12	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_953248
953248	2023-01-12	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_4_953248
953832	2023-01-09	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_5_953832
953832	2023-01-09	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_7_953832
953832	2023-01-10	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953832
953832	2023-01-10	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953832
953832	2023-01-10	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953832
953832	2023-01-10	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953832
953832	2023-01-10	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953832
953832	2023-01-10	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953832
953832	2023-01-10	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953832
953832	2023-01-10	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953832
953832	2023-01-10	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953832
953832	2023-01-10	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953832
953832	2023-01-10	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953832
953832	2023-01-10	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953832
953832	2023-01-10	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953832
953832	2023-01-10	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953832
953832	2023-01-10	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953832
953832	2023-01-10	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953832
953832	2023-01-10	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953832
953832	2023-01-10	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953832
953832	2023-01-10	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953832
953832	2023-01-10	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953832
953832	2023-01-10	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_953832
953832	2023-01-10	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_953832
953832	2023-01-12	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_4_953832
953832	2023-01-12	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_4_953832
953832	2023-01-12	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_953832
953832	2023-01-12	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_6_953832
953832	2023-01-12	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_953832
953832	2023-01-12	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_953832
953832	2023-01-12	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_953832
954706	2023-01-12	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_7_954706
954706	2023-01-13	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_954706
954706	2023-01-13	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_954706
954706	2023-01-13	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_954706
954706	2023-01-13	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_954706
954706	2023-01-13	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_954706
954706	2023-01-13	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_954706
954706	2023-01-13	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_954706
954706	2023-01-13	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_954706
954706	2023-01-13	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_954706
954706	2023-01-13	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_954706
954706	2023-01-13	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_954706
954706	2023-01-13	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_954706

Laboratory Blanks

Lab Report Number	Analysis Batch	Chem Group	Chem Name	Prefix	Result	Unit	Method Name	Lab Sample ID
954706	2023-01-13	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_954706
954706	2023-01-13	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_954706
954706	2023-01-13	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_954706
954706	2023-01-13	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_954706
954706	2023-01-13	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_954706
954706	2023-01-13	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_954706
954706	2023-01-13	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_954706
954706	2023-01-13	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_954706
954706	2023-01-13	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_954706
954706	2023-01-13	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_954706
954706	2023-01-13	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_954706
954706	2023-01-13	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_954706
954706	2023-01-13	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_954706
954706	2023-01-13	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_954706
954706	2023-01-16	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_954706
954706	2023-01-16	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_954706
954706	2023-01-16	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_954706
954706	2023-01-16	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_954706
954706	2023-01-16	Inorganics	Sulphate		8.1	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_4_954706
954706	2023-01-16	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_5_954706
957098	2023-01-24	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_2_957098
957098	2023-01-25	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_6_957098
957098	2023-01-25	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_6_957098
957098	2023-01-25	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_6_957098
957098	2023-01-25	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_6_957098
957098	2023-01-25	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_957098
957098	2023-01-25	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_957098
957098	2023-01-25	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_957098
957098	2023-01-25	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_957098
957098	2023-01-25	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_957098
957098	2023-01-25	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_957098
957098	2023-01-25	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_957098
957098	2023-01-25	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_957098
957098	2023-01-25	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_957098
957098	2023-01-25	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_957098
957098	2023-01-25	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_957098
957098	2023-01-25	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_957098
957098	2023-01-25	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_957098
957098	2023-01-25	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_957098
957098	2023-01-25	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_957098
957098	2023-01-25	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_957098
957098	2023-01-25	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_957098
957098	2023-01-25	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_957098
957098	2023-01-25	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_957098
957098	2023-01-25	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_957098
957098	2023-01-25	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_957098
957098	2023-01-25	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_957098
957098	2023-01-27	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_957098
957098	2023-01-27	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_3_957098
957098	2023-01-27	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_957098
957098	2023-01-27	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_957098
957098	2023-01-27	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_957098
957954	2023-01-25	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_6_957954
957954	2023-01-25	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_5_957954
957954	2023-01-27	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_957954
957954	2023-01-27	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_957954
957954	2023-01-27	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_957954
957954	2023-01-27	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_957954
957954	2023-01-27	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_7_957954
957954	2023-01-27	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_4_957954
957954	2023-01-27	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_957954
957954	2023-01-27	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957954
957954	2023-01-27	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_957954
957954	2023-01-27	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957954
957954	2023-01-27	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_7_957954
957954	2023-01-27	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_957954
957954	2023-01-27	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957954
957954	2023-01-27	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_957954
957954	2023-01-27	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957954
957954	2023-01-27	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_957954
957954	2023-01-27	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957954
957954	2023-01-27	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_957954
957954	2023-01-27	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957954
957954	2023-01-27	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_957954
957954	2023-01-27	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957954
957954	2023-01-27	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_7_957954
957954	2023-01-27	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_957954
957954	2023-01-27	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957954
957954	2023-01-27	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_957954
957954	2023-01-27	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957954
957954	2023-01-27	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_7_957954
957954	2023-01-27	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_957954
957954	2023-01-27	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957954
957954	2023-01-27	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_957954
957954	2023-01-27	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957954
957958	2023-02-01	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_957958
957958	2023-02-01	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_957958
957958	2023-02-01	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_957958
957958	2023-02-01	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_957958
957958	2023-02-01	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_957958
957958	2023-02-01	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_957958
957958	2023-02-01	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_957958
957958	2023-02-01	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_957958
957958	2023-02-01	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_957958
957958	2023-02-01	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_957958
957958	2023-02-01	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_957958
957958	2023-02-03	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_957958
957958	2023-02-03	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_957958

Laboratory Blanks

Lab Report Number	Analysis Batch	Chem Group	Chem Name	Prefix	Result	Unit	Method Name	Lab Sample ID
957958	2023-02-03	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_957958
957958	2023-02-03	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_957958
957958	2023-02-03	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_4_957958
957958	2023-02-03	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_957958
957958	2023-02-03	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_5_957958
957958	2023-02-03	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_6_957958
957958	2023-02-03	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957958
957958	2023-02-03	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957958
957958	2023-02-03	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_957958
957958	2023-02-03	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957958
957958	2023-02-03	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957958
957958	2023-02-03	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957958
957958	2023-02-03	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957958
957958	2023-02-03	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957958
957958	2023-02-03	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_957958
957958	2023-02-03	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957958
957958	2023-02-03	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957958
957958	2023-02-03	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_957958
957958	2023-02-03	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957958
957958	2023-02-03	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_957958
959756	2023-02-03	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_7_959756
959756	2023-02-03	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_7_959756
959756	2023-02-03	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_4_959756
959756	2023-02-03	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_959756
959756	2023-02-03	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_959756
959756	2023-02-03	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_959756
959756	2023-02-03	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_959756
959756	2023-02-03	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_959756
959756	2023-02-03	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_959756
959756	2023-02-03	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_959756
959756	2023-02-03	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_959756
959756	2023-02-03	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_959756
959756	2023-02-03	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_959756
959756	2023-02-03	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_959756
959756	2023-02-03	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_959756
959756	2023-02-03	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_959756
959756	2023-02-03	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_959756
959756	2023-02-03	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_959756
959756	2023-02-03	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_959756
959756	2023-02-03	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_959756
959756	2023-02-03	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_959756
959756	2023-02-03	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_959756
959756	2023-02-03	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_959756
959756	2023-02-03	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_959756
959756	2023-02-03	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_959756
959756	2023-02-07	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_2_959756
959756	2023-02-07	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_959756
959756	2023-02-07	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_3_959756
959756	2023-02-07	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_959756
959756	2023-02-07	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_959756
959756	2023-02-07	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_959756
961400	2023-02-09	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_5_961400
961400	2023-02-09	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_5_961400
961400	2023-02-09	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_5_961400
961400	2023-02-09	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_5_961400
961400	2023-02-09	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_2_961400
961400	2023-02-09	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_4_961400
961400	2023-02-10	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_961400
961400	2023-02-10	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_961400
961400	2023-02-10	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_961400
961400	2023-02-10	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_961400
961400	2023-02-10	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_961400
961400	2023-02-10	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_961400
961400	2023-02-10	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_961400
961400	2023-02-10	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_961400
961400	2023-02-10	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_961400
961400	2023-02-10	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_961400
961400	2023-02-10	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_961400
961400	2023-02-10	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_961400
961400	2023-02-10	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_961400
961400	2023-02-10	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_961400
961400	2023-02-10	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_961400
961400	2023-02-10	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_961400
961400	2023-02-10	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_961400
961400	2023-02-10	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_961400
961400	2023-02-10	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_961400
961400	2023-02-10	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_961400
961400	2023-02-10	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_7_961400
961400	2023-02-10	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_961400
961400	2023-02-13	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_961400
961400	2023-02-13	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_3_961400
961400	2023-02-13	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_961400
961400	2023-02-13	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_961400
961400	2023-02-13	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_961400
963413	2023-02-20	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_1_963413
963413	2023-02-20	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_5_963413
963413	2023-02-20	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_1_963413
963413	2023-02-20	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_2_963413
963413	2023-02-20	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_963413
963413	2023-02-20	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_3_963413
963413	2023-02-20	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_963413
963413	2023-02-20	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_3_963413
963413	2023-02-20	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_5_963413
963413	2023-02-20	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_963413
963413	2023-02-20	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_3_963413
963413	2023-02-20	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_963413
963413	2023-02-20	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_3_963413
963413	2023-02-20	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_963413

Laboratory Blanks

Lab Report Number	Analysis Batch	Chem Group	Chem Name	Prefix	Result	Unit	Method Name	Lab Sample ID
963413	2023-02-20	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_3_963413
963413	2023-02-20	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_963413
963413	2023-02-20	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_3_963413
963413	2023-02-20	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_963413
963413	2023-02-20	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_3_963413
963413	2023-02-20	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_5_963413
963413	2023-02-20	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_963413
963413	2023-02-20	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_3_963413
963413	2023-02-20	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_963413
963413	2023-02-20	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_3_963413
963413	2023-02-20	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_5_963413
963413	2023-02-20	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_963413
963413	2023-02-20	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_3_963413
963413	2023-02-20	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_963413
963413	2023-02-20	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_3_963413
965111	2023-02-21	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_4_965111
965111	2023-02-21	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_7_965111
965111	2023-02-24	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_965111
965111	2023-02-24	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_965111
965111	2023-02-24	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_965111
965111	2023-02-24	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_965111
965111	2023-02-24	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_965111
965111	2023-02-24	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_965111
965111	2023-02-24	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_965111
965111	2023-02-24	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_965111
965111	2023-02-24	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_965111
965111	2023-02-24	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_965111
965111	2023-02-24	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_965111
965111	2023-02-24	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_965111
965111	2023-02-24	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_965111
965111	2023-02-24	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_965111
965111	2023-02-24	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_965111
965111	2023-02-24	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_965111
965111	2023-02-24	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_965111
965111	2023-02-24	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_965111
965111	2023-02-24	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_965111
965111	2023-02-24	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_965111
965111	2023-02-24	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_6_965111
965111	2023-02-24	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_965111
965111	2023-02-27	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_965111
965111	2023-02-27	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_965111
965111	2023-02-27	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_965111
965111	2023-02-27	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_965111
965111	2023-02-27	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_965111
965111	2023-02-27	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_3_965111
965111	2023-02-27	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_965111
965111	2023-02-27	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_965111
965111	2023-02-27	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_965111
965928	2023-02-24	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_5_965928
965928	2023-02-27	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_965928
965928	2023-02-27	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_965928
965928	2023-02-27	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_965928
965928	2023-02-27	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_965928
965928	2023-02-27	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_965928
965928	2023-02-27	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_965928
965928	2023-02-27	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_965928
965928	2023-02-27	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_965928
965928	2023-02-27	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_965928
965928	2023-02-27	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_965928
965928	2023-02-27	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_965928
965928	2023-02-27	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_965928
965928	2023-02-27	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_965928
965928	2023-02-27	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_965928
965928	2023-02-27	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_965928
965928	2023-02-27	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_965928
965928	2023-02-27	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_965928
965928	2023-02-27	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_965928
965928	2023-02-27	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_965928
965928	2023-02-27	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_965928
965928	2023-02-27	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_965928
965928	2023-02-27	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_965928
965928	2023-02-28	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_965928
965928	2023-02-28	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_965928
965928	2023-02-28	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_965928
965928	2023-02-28	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_965928
965928	2023-02-28	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_3_965928
965928	2023-02-28	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_965928
965928	2023-02-28	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_965928
965928	2023-02-28	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_965928
965928	2023-02-28	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_965928
967859	2023-03-03	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_4_967859
967859	2023-03-03	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_4_967859
967859	2023-03-15	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_967859
967859	2023-03-15	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967859
967859	2023-03-15	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967859
967859	2023-03-15	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_967859
967859	2023-03-15	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967859
967859	2023-03-15	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967859
967859	2023-03-15	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967859
967859	2023-03-15	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967859
967859	2023-03-15	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967859
967859	2023-03-15	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_967859
967859	2023-03-15	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967859
967859	2023-03-15	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967859
967859	2023-03-15	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_6_967859
967859	2023-03-15	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967859
967859	2023-03-15	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967859
967859	2023-03-16	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_967859

Laboratory Blanks

Lab Report Number	Analysis Batch	Chem Group	Chem Name	Prefix	Result	Unit	Method Name	Lab Sample ID
967859	2023-03-16	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_967859
967859	2023-03-16	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_967859
967859	2023-03-16	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_967859
967859	2023-03-16	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_3_967859
967859	2023-03-16	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_967859
967859	2023-03-16	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_967859
967859	2023-03-16	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_967859
967859	2023-03-16	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_967859
967859	2023-03-16	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_967859
967859	2023-03-16	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_967859
967859	2023-03-16	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_967859
967859	2023-03-16	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_967859
967859	2023-03-16	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_967859
967859	2023-03-16	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_967859
967859	2023-03-16	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_967859
967871	2023-03-03	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_6_967871
967871	2023-03-07	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_967871
967871	2023-03-07	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967871
967871	2023-03-07	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_967871
967871	2023-03-07	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967871
967871	2023-03-07	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_967871
967871	2023-03-07	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967871
967871	2023-03-07	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_967871
967871	2023-03-07	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967871
967871	2023-03-07	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_967871
967871	2023-03-07	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967871
967871	2023-03-07	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_967871
967871	2023-03-07	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967871
967871	2023-03-07	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_967871
967871	2023-03-07	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967871
967871	2023-03-07	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_967871
967871	2023-03-07	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967871
967871	2023-03-07	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_967871
967871	2023-03-07	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967871
967871	2023-03-07	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_967871
967871	2023-03-07	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967871
967871	2023-03-07	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_967871
967871	2023-03-07	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_967871
967871	2023-03-08	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_967871
967871	2023-03-08	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_967871
967871	2023-03-08	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_967871
967871	2023-03-08	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_967871
967871	2023-03-08	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_3_967871
967871	2023-03-08	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_967871
967871	2023-03-08	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_967871
967871	2023-03-08	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_967871
967871	2023-03-08	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_2_967871
969219	2023-03-08	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_5_969219
969219	2023-03-08	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_6_969219
969219	2023-03-09	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_969219
969219	2023-03-09	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_969219
969219	2023-03-09	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_969219
969219	2023-03-09	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_969219
969219	2023-03-09	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_969219
969219	2023-03-09	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_969219
969219	2023-03-09	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_969219
969219	2023-03-09	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_969219
969219	2023-03-09	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_969219
969219	2023-03-09	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_969219
969219	2023-03-09	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_969219
969219	2023-03-14	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_969219
969219	2023-03-14	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_4_969219
969219	2023-03-14	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_969219
969219	2023-03-14	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_969219
969219	2023-03-14	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_969219
969219	2023-03-14	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_969219
969219	2023-03-14	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_969219
969219	2023-03-14	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_969219
969219	2023-03-14	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_969219
969219	2023-03-14	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_969219
969219	2023-03-14	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_969219
969219	2023-03-14	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_969219
969219	2023-03-14	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_969219
969219	2023-03-14	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_969219
969219	2023-03-14	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_969219
969219	2023-03-14	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_969219
970528	2023-03-14	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_6_970528
970528	2023-03-14	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_6_970528
970528	2023-03-15	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_970528
970528	2023-03-15	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_970528
970528	2023-03-15	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_970528
970528	2023-03-15	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_970528
970528	2023-03-15	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_970528
970528	2023-03-15	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_970528
970528	2023-03-15	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_970528
970528	2023-03-15	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_970528
970528	2023-03-15	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_970528
970528	2023-03-15	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_970528
970528	2023-03-15	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_970528
970528	2023-03-16	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_5_970528
970528	2023-03-16	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_5_970528
970528	2023-03-16	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_5_970528
970528	2023-03-16	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_5_970528
970528	2023-03-17	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_970528
970528	2023-03-17	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_970528
970528	2023-03-17	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_970528
970528	2023-03-17	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_2_970528
970528	2023-03-17	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_3_970528

Laboratory Blanks

Lab Report Number	Analysis Batch	Chem Group	Chem Name	Prefix	Result	Unit	Method Name	Lab Sample ID
970528	2023-03-17	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_970528
970528	2023-03-17	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_970528
970528	2023-03-17	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_970528
970528	2023-03-17	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_970528
970528	2023-03-17	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_970528
970528	2023-03-17	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_970528
970528	2023-03-17	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_970528
970528	2023-03-17	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_970528
970528	2023-03-17	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_970528
970528	2023-03-17	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_970528
970528	2023-03-17	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_970528
971561	2023-03-16	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_7_971561
971561	2023-03-17	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_6_971561
971561	2023-03-17	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_6_971561
971561	2023-03-17	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_971561
971561	2023-03-17	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_971561
971561	2023-03-17	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_971561
971561	2023-03-17	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_971561
971561	2023-03-17	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_971561
971561	2023-03-17	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_971561
971561	2023-03-17	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_971561
971561	2023-03-17	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_971561
971561	2023-03-17	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_971561
971561	2023-03-17	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_971561
971561	2023-03-17	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_971561
971561	2023-03-17	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_971561
971561	2023-03-17	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_971561
971561	2023-03-17	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_971561
971561	2023-03-17	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_971561
971561	2023-03-17	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_971561
971561	2023-03-17	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_971561
971561	2023-03-17	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_971561
971561	2023-03-17	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_971561
971561	2023-03-17	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_971561
971561	2023-03-17	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_971561
971561	2023-03-17	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_971561
971561	2023-03-21	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_2_971561
971561	2023-03-21	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_971561
971561	2023-03-21	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_3_971561
971561	2023-03-21	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_971561
971561	2023-03-21	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_971561
971561	2023-03-21	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_971561
973930	2023-03-23	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_6_973930
973930	2023-03-23	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_5_973930
973930	2023-03-26	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_973930
973930	2023-03-26	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_973930
973930	2023-03-26	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_973930
973930	2023-03-26	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_973930
973930	2023-03-26	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_973930
973930	2023-03-26	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_973930
973930	2023-03-26	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_973930
973930	2023-03-26	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_973930
973930	2023-03-26	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_973930
973930	2023-03-26	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_973930
973930	2023-03-26	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_973930
973930	2023-03-26	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_973930
973930	2023-03-26	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_973930
973930	2023-03-26	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_973930
973930	2023-03-26	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_973930
973930	2023-03-26	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_973930
973930	2023-03-26	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_973930
973930	2023-03-26	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_973930
973930	2023-03-26	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_973930
973930	2023-03-26	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_973930
973930	2023-03-26	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_973930
973930	2023-03-26	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_973930
973930	2023-03-27	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_973930
973930	2023-03-27	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_973930
973930	2023-03-27	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_973930
973930	2023-03-27	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_3_973930
973930	2023-03-27	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_973930
973930	2023-03-27	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_973930
973930	2023-03-27	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_973930
973930	2023-03-27	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_973930
976435	2023-03-31	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_6_976435
976435	2023-03-31	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_7_976435
976435	2023-04-03	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_976435
976435	2023-04-03	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_976435
976435	2023-04-03	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_976435
976435	2023-04-03	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_976435
976435	2023-04-03	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_976435
976435	2023-04-03	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_976435
976435	2023-04-03	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_976435
976435	2023-04-03	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_976435
976435	2023-04-03	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_976435
976435	2023-04-03	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_976435
976435	2023-04-03	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_976435
976435	2023-04-03	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_976435
976435	2023-04-03	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_976435
976435	2023-04-03	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_976435
976435	2023-04-03	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_976435
976435	2023-04-03	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_976435
976435	2023-04-03	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_976435
976435	2023-04-03	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_976435
976435	2023-04-03	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_976435
976435	2023-04-03	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_976435
976435	2023-04-03	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_976435
976435	2023-04-03	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_3_976435

Laboratory Blanks

Lab Report Number	Analysis Batch	Chem Group	Chem Name	Prefix	Result	Unit	Method Name	Lab Sample ID
976435	2023-04-03	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_976435
976435	2023-04-03	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_976435
976435	2023-04-03	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_976435
976435	2023-04-03	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_976435
976435	2023-04-11	Inorganics	Alkalinity (Bicarbonate as CaCO3)	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_976435
976435	2023-04-11	Inorganics	Alkalinity (Carbonate as CaCO3)	<	10	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_976435
976435	2023-04-11	Inorganics	Alkalinity (Hydroxide) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_976435
976435	2023-04-11	Inorganics	Alkalinity (total) as CaCO3	<	20	mg/L	LTM-INO-4250 Alkalinity by Electrometric Titration	MB_1_976435
976435	2023-04-11	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_2_976435
980326	2023-04-17	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_6_980326
980326	2023-04-19	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_2_980326
980326	2023-04-19	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_980326
980326	2023-04-19	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_3_980326
980326	2023-04-19	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_980326
980326	2023-04-19	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_980326
980326	2023-04-19	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_980326
980326	2023-04-19	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_980326
980326	2023-04-19	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_980326
980326	2023-04-19	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_980326
980326	2023-04-19	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_980326
980326	2023-04-19	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_980326
980326	2023-04-19	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_980326
980326	2023-04-19	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_980326
980326	2023-04-19	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_980326
980326	2023-04-19	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_980326
980326	2023-04-19	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_980326
980326	2023-04-19	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_980326
980326	2023-04-19	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_980326
980326	2023-04-19	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_980326
980326	2023-04-19	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_980326
980326	2023-04-19	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_980326
980326	2023-04-19	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_980326
980326	2023-04-19	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_980326
980326	2023-04-19	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_1_980326
980326	2023-04-19	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_980326
980326	2023-04-19	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_980326
980326	2023-04-19	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_5_980326
980326	2023-04-19	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_4_980326
980389	2023-04-19	Inorganics	Chloride	<	1	mg/L	LTM-INO-4090 Chloride by Discrete Analyser	MB_3_980389
980389	2023-04-19	Inorganics	Sodium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_980389
980389	2023-04-19	Inorganics	Sulphate	<	5	mg/L	LTM-INO-4110 Sulfate by Discrete Analyser	MB_5_980389
980389	2023-04-19	Inorganics	Total Suspended Solids (Lab)	<	5	mg/L	LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	MB_6_980389
980389	2023-04-19	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_980389
980389	2023-04-19	Metals	Aluminium	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_980389
980389	2023-04-19	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_980389
980389	2023-04-19	Metals	Cadmium	<	0.0002	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_980389
980389	2023-04-19	Metals	Calcium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_980389
980389	2023-04-19	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_980389
980389	2023-04-19	Metals	Chromium (III+VI)	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_980389
980389	2023-04-19	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_980389
980389	2023-04-19	Metals	Cobalt	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_980389
980389	2023-04-19	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_980389
980389	2023-04-19	Metals	Copper	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_980389
980389	2023-04-19	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_980389
980389	2023-04-19	Metals	Iron	<	0.05	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_980389
980389	2023-04-19	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_980389
980389	2023-04-19	Metals	Lead	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_980389
980389	2023-04-19	Metals	Magnesium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_980389
980389	2023-04-19	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_980389
980389	2023-04-19	Metals	Manganese	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_980389
980389	2023-04-19	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_980389
980389	2023-04-19	Metals	Nickel	<	0.001	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_980389
980389	2023-04-19	Metals	Potassium	<	0.5	mg/L	LTM-MET-3010 Alkali Metals Sulfur Silicon Phosphorus by ICP-AES	MB_4_980389
980389	2023-04-19	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_980389
980389	2023-04-19	Metals	Uranium	<	5	µg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_980389
980389	2023-04-19	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_2_980389
980389	2023-04-19	Metals	Zinc	<	0.005	mg/L	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	MB_1_980389

				Inorganics										Metals																									
				Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Ammonia as N	Chloride	Nitrate (as N)	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (old)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL				20	10	20	20	0.01	1	0.02	0.5	5	5	5	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
Lab Report Number	**Field ID**	**Date**	**Matrix Type**																																				
885060		**03 May 2022**	**Water**						2,800			78																											
885060		**03 May 2022**	**Water**						2,800			78																											
RPD									0			0																											
886038		**03 May 2022**	**Water**	860	<10	<20	860																																
886038		**03 May 2022**	**Water**	820	<10	<20	820																																
RPD				5	0	0	5																																
885060		**04 May 2022**	**Water**													<0.05		<0.0002			<0.001		<0.001		<0.001		<0.05		<0.001			<0.005		<0.001			<5		<0.005
885060		**04 May 2022**	**Water**													<0.05		<0.0002			0.0012		<0.001		<0.001		<0.05		<0.001			<0.005		<0.001			<5		<0.005
RPD																0		0			18		0		0		0		0			0		0			0		0
886038		**04 May 2022**	**Water**												<0.05		<0.0002			0.011		0.075		0.0047		5.4		<0.001				0.092				14		0.011	
886038		**04 May 2022**	**Water**												<0.05		<0.0002			0.01		0.073		0.0042		5.3		<0.001				0.088				14		0.011	
RPD															0		0			10		3		11		2		0				4				0		0	
886038		**05 May 2022**	**Water**								720								37											60									
886038		**05 May 2022**	**Water**								720								36											61									
RPD											0								3											2									
886038	**GS200**	**05 May 2022**	**Water**	40	<10	<20	40		3.7		5.0	490	540	<5	0.12	<0.05	0.0022	0.0020	42	<0.001	<0.001	0.83	0.76	0.15	0.093	0.45	<0.05	<0.001	<0.001	100	2.3	2.1	0.69	0.65	2.2	9	6	1.3	1.1
886038	**GS200**	**05 May 2022**	**Water**						3.7			490																											
RPD									0			0																											
886038	**SITE 5**	**05 May 2022**	**Water**	210	<10	<20	210		3.0		20	69	210	<5	<0.05	<0.05	<0.0002	<0.0002	33	<0.001	<0.001	0.009	0.003	0.018	0.004	0.60	<0.05	<0.001	<0.001	30	0.71	0.62	0.005	0.002	0.6	<5	<5	0.006	<0.005
886038	**SITE 5**	**05 May 2022**	**Water**													<0.05		<0.0002			<0.001		0.004		0.004		<0.05		<0.001			0.65		0.002			<5		<0.005
RPD																0		0			0		29		0		0		0			5		0			0		0
886038		**09 May 2022**	**Water**																											0.029								
886038		**09 May 2022**	**Water**																											0.029								
RPD																														0								
886038		**09 May 2022**	**Water**																																160				
886038		**09 May 2022**	**Water**																																130				
RPD																																			21				
890240		**17 May 2022**	**Water**	<20	<10	<20	<20																																
890240		**17 May 2022**	**Water**	<20	<10	<20	<20																																
RPD				0	0	0	0																																
890240		**18 May 2022**	**Water**						5,200			<5																											
890240		**18 May 2022**	**Water**						4,700			<5																											
RPD									10			0																											
890240		**18 May 2022**	**Water**										9.2																										
890240		**18 May 2022**	**Water**										8.4																										
RPD													9																										
890240	**Site5**	**19 May 2022**	**Water**	230	<10	<20	230		3.0		21	78	250	10	<0.05	<0.05	<0.0002	<0.0002	39	<0.001	<0.001	0.003	0.002	0.005	0.003	0.34	<0.05	0.001	<0.001	36	0.16	0.12	0.004	0.003	<0.5	<5	<5	<0.005	<0.005
890240	**Site5**	**19 May 2022**	**Water**								21																								0.5				
RPD											0																								0				
890240		**20 May 2022**	**Water**																980											3,000									
890240		**20 May 2022**	**Water**																1,000											3,100									
RPD																			2											3									
890240		**20 May 2022**	**Water**												<0.05		<0.0002			<0.001		<0.001		<0.001		<0.05		<0.001			<0.005		0.0016			<5		<0.005	
890240		**20 May 2022**	**Water**												<0.05		<0.0002			<0.001		<0.001		<0.001		<0.05		<0.001			<0.005		0.0016			<5		<0.005	
RPD															0		0			0		0		0		0		0			0		0			0		0	
890240		**23 May 2022**	**Water**													<0.05		<0.0002			<0.001		0.0017		<0.001		3.1		<0.001			1.1		0.0028			<5		<0.005	
890240		**23 May 2022**	**Water**													<0.05		<0.0002			<0.001		0.0016		<0.001		3.1		<0.001			1.1		0.0028			<5		0.0062	
RPD																0		0			0		6		0		0		0			0		0			0		21	
893152		**27 May 2022**	**Water**								110								22											33					5.2				
893152		**27 May 2022**	**Water**								120								19											39					5.2				
RPD											9								15											17					0				
893152		**27 May 2022**	**Water**										85																										
893152		**27 May 2022**	**Water**										88																										
RPD													3																										
893152		**30 May 2022**	**Water**																			<0.001		<0.001							0.066								
893152		**30 May 2022**	**Water**																			<0.001		<0.001							0.065								
RPD																						0		0							2								
893152		**30 May 2022**	**Water**												<0.05		<0.0002			<0.001						<0.05		<0.001				<0.001				<5		<0.005	
893152		**30 May 2022**	**Water**												<0.05		<0.0002			<0.001						<0.05		<0.001				<0.001				<5		<0.005	
RPD															0		0			0						0		0				0				0		0	
893152		**30 May 2022**	**Water**													<0.05		<0.0002			<0.001						<0.05		<0.001				0.078				5.8			0.077
893152		**30 May 2022**	**Water**													<0.05		<0.0002			<0.001						<0.05		0.001				0.075				5.3			0.077
RPD																0		0			0						0		18				4				9			0
893152	**BH24**	**30 May 2022**	**Water**	<20	<10			0.10	11	2.2	22	520	460	<5	11	9.3	0.0038	0.0036	86	0.002	0.001	7.5	7.6	16	16	0.27	0.21	0.028	0.026	59	18	18	2.8	2.6	4.6	100	90	1.5	1.4
893152	**BH24**	**30 May 2022**	**Water**	<20	<10																																		
RPD				0	0																																		
893152	**Site 5**	**30 May 2022**	**Water**	2,500	<10			0.06	2.7	<0.02	23	100	290	<5	<0.05	<0.05	<0.0002	<0.0002	57	<0.001	<0.001	0.002	0.001	0.003	0.003	<0.05	<0.05	<0.001	<0.001	36	0.11	0.095	0.003	0.002	0.6	<5	<5	<0.005	<0.005
893152	**Site 5**	**30 May 2022**	**Water**						2.5			100																											
RPD									8			0																											
893152	**Site 5**	**30 May 2022**	**Water**	200	<10			<0.01	2.5	<0.02	24	100	290	<5	<0.05	<0.05	<0.0002	<0.0002	55	<0.001	<0.001	0.002	0.002	0.003	0.003	0.19	<0.05	<0.001	<0.001	37	0.12	0.093	0.003	0.002	0.6	<5	<5	<0.005	<0.005
893152	**Site 5**	**30 May 2022**	**Water**						2.5			100																											
RPD									0			0																											
893152		**31 May 2022**	**Water**					<0.01		<0.02																													
893152		**31 May 2022**	**Water**					<0.01		<0.02																													
RPD								0		0																													
893152		**01 Jun 2022**	**Water**																		<0.001		0.0023							1.3									
893152		**01 Jun 2022**	**Water**																		<0.001		0.0023							1.3									
RPD																					0		0							0									
906906		**12 Jul 2022**	**Water**						6.9			11																											
906906		**12 Jul 2022**	**Water**						6.8			11																											
RPD									1			0																											
906906		**15 Jul 2022**	**Water**													<0.05		<0.0002				<0.001		0.0013		0.13		<0.001			0.05		0.0017			<5		<0.005
906906		**15 Jul 2022**	**Water**													<0.05		<0.0002				<0.001		0.0013		0.13		<0.001			0.05		0.0017			<5		<0.005
RPD																0		0				0		0		0		0			0		0			0		0
906906		**18 Jul 2022**	**Water**								4,600								220											600					100				
906906		**18 Jul 2022**	**Water**								4,700								230											630					110				
RPD											2								4											5					10				
906906		**19 Jul 2022**	**Water**												<0.05		<0.0002				<0.001		<0.001		<0.05		<0.001			<0.005		<0.001			<5		<0.005	
906906		**19 Jul 2022**	**Water**												<0.05		<0.0002				<0.001		<0.001		<0.05		<0.001			<0.005		<0.001			<5		<0.005	
RPD															0		0				0		0		0		0			0		0			0		0	
906906		**19 Jul 2022**	**Water**										24																										
906906		**19 Jul 2022**	**Water**										26																										
RPD													8																										
906906		**20 Jul 2022**	**Water**	92	<10	<20	92																																
906906		**20 Jul 2022**	**Water**	93	<10	<20	93																																
RPD				1	0	0	1																																
925905		**20 Sep 2022**	**Water**						64			6.6																											
925905		**20 Sep 2022**	**Water**						53			6.6																											
RPD									19			0																											
925905		**21 Sep 2022**	**Water**								<0.5																								10				
925905		**21 Sep 2022**	**Water**								<0.5																								10				
RPD											0																								0				
925905		**21 Sep 2022**	**Water**										<5																										
925905		**21 Sep 2022**	**Water**										<5																										
RPD													0																										
925905		**21 Sep 2022**	**Water**													<0.05		<0.0002			<0.001		<0.001		0.0037		<0.05		<0.001			<0.005		0.0011			<5		0.015
925905		**21 Sep 2022**	**Water**													<0.05		<0.0002			<0.001		<0.001		0.0039		<0.05		<0.001			<0.005		<0.001			<5		0.016
RPD																0		0			0		0		5		0		0			0		10			0		6
925905		**28 Sep 2022**	**Water**												<0.05		<0.0002			<0.001		<0.001		<0.001		<0.05		<0.001			<0.005		<0.001			<5		<0.005	
925905		**28 Sep 2022**	**Water**												<0.05		<0.0002			<0.001		<0.001		<0.001		<0.05		<0.001			<0.005		<0.001			<5		<0.005	
RPD															0		0			0		0		0		0		0			0		0			0		0	
932025		**12 Oct 2022**	**Water**									38																											
932025		**12 Oct 2022**	**Water**									40																											
RPD												5																										
932025		**13 Oct 2022**	**Water**										25																										
932025		**13 Oct 2022**	**Water**										24																										
RPD													4																										
932025		**13 Oct 2022**	**Water**													<0.05		<0.0002			<0.001		<0.001				<0.05		<0.001			<0.005		<0.001			<5		<0.005
932025		**13 Oct 2022**	**Water**													<0.05		<0.0002			<0.001		<0.001				<0.05		<0.001			<0.005		<0.001			<5		<0.005
RPD																0		0			0		0				0		0			0		0			0		0
932025		**13 Oct 2022**	**Water**																																<0.5				
932025		**13 Oct 2022**	**Water**																																<0.5				
RPD																																			0				
932025	**Site 2**	**16 Oct 2022**	**Water**	80	<10	<20	80		4.9		8.7	190	270	<5	<0.05	<0.05	<0.0002	<0.0002	31	<0.001	<0.001	0.003	<0.001	0.018		<0.05	<0.05	0.003	<0.001	47	0.035	<0.005	0.005	0.003	1.3	<5	<5	0.007	<0.005
932025	**Site 2**	**16 Oct 2022**	**Water**												<0.05		<0.0002			<0.001		0.003		0.018		<0.05		0.004			0.034		0.004			<5		0.008	
RPD															0		0			0		0		0		0		29			3		22			0		13	
932025	**Site 2**	**16 Oct 2022**	**Water**	<20	<10	<20	<20		1.3		7.0	3,600	3,900	6.1	14	13	0.039	0.039	270	<0.01	<0.01	17	16	7.0		<0.5	<0.5	0.042	0.040	780	31	29	14	13	3.9	350	330	35	33
932025	**Site 2**	**16 Oct 2022**	**Water**	<20	<10	<20	<20				6.5		3,800						260											770									
RPD				0	0	0	0				7		3						4											1									
939347	**Site2**	**07 Nov 2022**	**Water**	77	<10	<20	77		5.2		9.0	210	300	<5	<0.05	<0.05	<0.0002	<0.0002	36	<0.001	<0.001	0.006	<0.001	0.023	0.007	0.06	<0.05	0.008	<0.001	51	0.045	<0.005	0.007	0.003	1.5	<5	<5	0.013	<0.005
939347	**Site2**	**07 Nov 2022**	**Water**						4.8			210																											
RPD									8			0																											
939347		**08 Nov 2022**	**Water**										20																										
939347		**08 Nov 2022**	**Water**										17																										
RPD													16																										
939347		**09 Nov 2022**	**Water**								310								110											63					24				
939347		**09 Nov 2022**	**Water**								310								130											67					25				
RPD											0								17											6					4				
941200		**09 Nov 2022**	**Water**													<0.05		<0.0002			<0.001		0.0012		0.0015		0.97		<0.001			1.1		0.0013			<5		0.0061	
941200		**09 Nov 2022**	**Water**													<0.05		<0.0002			<0.001		0.0011		0.0014		0.93		<0.001			1		0.0012			<5		0.0055	
RPD																0		0			0		9		7		4		0			10		8			0		10	
939347		**09 Nov 2022**	**Water**	560	<10	<20	560																																
939347		**09 Nov 2022**	**Water**	410	<10	<20	410																																
RPD				31	0	0	31																																
941200		**09 Nov 2022**	**Water**												0.13		<0.0002			0.005		<0.001		0.10		0.25		0.001			0.016		0.003			<5		0.049	
941200		**09 Nov 2022**	**Water**												0.12		<0.0002			0.005		<0.001		0.10		0.24		0.001			0.016		0.003			<5		0.050	
RPD															8		0			0		0		0		4		0			0		0			0		2	
941200		**11 Nov 2022**	**Water**										150																										
941200		**11 Nov 2022**	**Water**										130																										
RPD													14																										
941200		**13 Nov 2022**	**Water**								330								36											19					38				
941200		**13 Nov 2022**	**Water**								340								31											19					39				
RPD											3								15											0					3				
943385		**14 Nov 2022**	**Water**	240	<10	<20	240																																
943385		**14 Nov 2022**	**Water**	250	<10	<20	250																																
RPD				4	0	0	4																																
941200	**Site 2**	**15 Nov 2022**	**Water**	85	<10	<20	85		6.2		8.0	220	250	<5	<0.05	<0.05	<0.0002	<0.0002	30	<0.001	<0.001	0.002	<0.001	0.011	0.007	<0.05	<0.05	0.002	<0.001	42	0.045	<0.005	0.003	0.002	1.5	<5	<5	<0.005	<0.005
941200	**Site 2**	**15 Nov 2022**	**Water**						6.0			220																											
RPD									3			0																											
941200	**Site2**	**15 Nov 2022**	**Water**	83	<10	<20	83		5.9		7.9	220	250	<5	<0.05	<0.05	<0.0002	<0.0002	30	<0.001	<0.001	0.002	<0.001	0.011	0.007	<0.05	<0.05	0.003	<0.001	42	0.043	<0.005	0.003	0.002	1.4	<5	<5	<0.005	<0.005
941200	**Site2**	**15 Nov 2022**	**Water**						6.2			220																											
RPD									5			0																											
943385		**21 Nov 2022**	**Water**										1,800																										
943385		**21 Nov 2022**	**Water**										1,600																										
RPD													12																										
943385		**22 Nov 2022**	**Water**										450																										
943385		**22 Nov 2022**	**Water**										480																										
RPD													6																										
943385		**22 Nov 2022**	**Water**													<0.05		<0.0002			0.0028		0.0014		0.0034		<0.05		<0.001			0.062		0.035			<5		0.01	
943385		**22 Nov 2022**	**Water**													<0.05		<0.0002			0.0025		0.0013		0.003		<0.05		<0.001			0.059		0.033			<5		0.01	
RPD																0		0			11		7		12		0		0			5		6			0		0	
943385		**22 Nov 2022**	**Water**												2.8		<0.0002			0.01		0.0022		0.015		8.6		0.0055			0.041		0.15			31		0.078	
943385		**22 Nov 2022**	**Water**												2.8		<0.0002			0.011		0.0024		0.014		8.5		0.0051			0.043		0.16			32		0.083	
RPD															0		0			10		9		7		1		8			5		6			3		6	
947603		**23 Nov 2022**	**Water**																			<0.001		0.014							<0.005								
947603		**23 Nov 2022**	**Water**																			<0.001		0.014							<0.005								
RPD																						0		0							0								
946257	**Site 2**	**28 Nov 2022**	**Water**	190	<10	<20	190		3.9		6.9	180	220	<5	<0.05	<0.05	<0.0002	<0.0002	26	<0.001	<0.001	0.003	<0.001	0.012	0.006	0.07	<0.05	0.003	<0.001	38	0.076	0.008	0.005	0.003	1.3	<5	<5	<0.005	<0.005
946257	**Site 2**	**28 Nov 2022**	**Water**						3.8			180																											
RPD									3			0																											
946257	**Site 5**	**28 Nov 2022**	**Water**	400	<10	<20	400		7.8		23	77	210	<5	<0.05	<0.05	<0.0002	<0.0002	35	<0.001

| | | | | Inorganics | | | | | | | | | | | Metals | | | | | | | | | | |

APPENDIX F – CHAIN OF CUSTODY DOCUMENTATION FOR 1 MAY 2022 – 30 APRIL 2023

CHAIN OF CUSTODY RECORD

☐ Eurofins | mgt Sydney Lab — Unit F3 Building F, 16 Mars Road, Lane Cove West, NSW 2066 — P: +61 2 9900 8400 — E: EnviroSampleNSW@eurofins.com.au

☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 — P: +61 7 3902 4600 — E: EnviroSampleQld@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 3 Kingston Town Close, Oakleigh, VIC 3166 — P: +61 3 8564 5000 — F: +61 3 8564 5099 — E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	5 / 7 /2022				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals					Sample Comments / DG Hazard Warning
1	SITE 2	30/6/22	W							X	X	X	X	X							2		2					
2	SITE 2	30/6/22	W							X	X	X	X	X							2		2					
3	RWTSF	1/7/22	W							X	X	X	X	X							2		2					
4	RW POND	1/7/22	W							X	X	X	X	X							2		2					
5	RW PIT	1/7/22	W							X	X	X	X	X							2		2					
6																												
7																												
8																												
9																												
10																												
11																												
12																												

Containers: 1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Laboratory Use Only	Received By		Date	Time	Signature	Temperature	Report №
			07/07/2022	9:40AM		18°C	903116

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.

CHAIN OF CUSTODY RECORD

☐ Eurofins | mgt Sydney Lab — Unit F3 Building F, 16 Mars Road, Lane Cove West NSW 2066 P: +61 2 9900 8400 E: EnviroSampleNSW@eurofins.com.au

☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie QLD 4172 P: +61 7 3902 4600 E: EnviroSampleBris@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Hercules Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	5/7/2022				

Project Name	NT Resources				
Electronic Results Format	ESDAT				
Email for Results	Greg.Molloy@NTResources.com.au				
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)				

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	BH 21	1/7/22	W	X	X	X	X	X						2		2		
2	BH 12C	1/7/22	W	X	X	X	X	X						2		2		
3	BH 13B	1/7/22	W	X	X	X	X	X						2		2		
4	BH 23	2/7/22	W	X	X	X	X	X						2		2		
5	BH 4E	2/7/22	W	X	X	X	X	X						2		2		
6	BH 22	2/7/22	W	X	X	X	X	X						2		2		
7	BH 4G	2/7/22	W	X	X	X	X	X						2		2		
8	BH 24	2/7/22	W	X	X	X	X	X						2		2		
9	BH 24	2/7/22	W	X	X	X	X	X						2		2		
10	BH 4B	2/7/22	W	X	X	X	X	X						2		2		
11																		
12																		

Laboratory Use Only	Received By	IC HOOD	Date	5/7/2022	Time	9:40AM	Signature		Temperature	18°C	Report №	903116

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.

CHAIN OF CUSTODY RECORD

☐ Eurofins | mgt Sydney Lab — Unit F1, Building F, 16 Mars Road, Lane Cove West, NSW 2066 — P: +61 2 9900 8400 — E: EnviroSampleNSW@eurofins.com.au

☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 — P: +61 7 3902 4600 — E: EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 6 Monterey Road, Dandenong South, VIC 3175 — P: +61 3 8564 5000 — E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)					
(Time / Date)	5/7/2022				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Analysis (Note: Where metals are requested please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	BH19A	3/7/22	W	X	X	X	X	X						2		2		
2	BH19B	3/7/22	W	X	X	X	X	X						2		2		
3	BH 20 B	3/7/22	W	X	X	X	X	X						2		2		
4	BH 20 A	3/7/22	W	X	X	X	X	X						2		2		
5	BH 4D	3/7/22	W	X	X	X	X	X						2		2		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Containers: 1L Plastic - GREEN Inorganics | 500ml Plastic - GREEN Inorganics | 200mL Plastic - RED Metals | 60mL Plastic - RED Metals

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report №
	KHOOT	05/07/2022	9:10AM		18°C	903116

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.

CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 — P +61 7 3902 4600 — E EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 — P +61 3 8564 5000 F +61 3 8564 5090 — E EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	19/7/2022				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)					Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals					Sample Comments / DG Hazard Warning
1	SITE 2	15/7/22	W							X	X	X	X	X						2		2					
2	SITE 2	15/7/22	W							X	X	X	X	X						2		2					
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Laboratory Use Only	Received By		Date	Time	Signature	Temperature	Report №
	JCHOOD		19/07/2022	2:30 pm		31.5 C	906906

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 — P +61 3 8564 5000 — F +61 3 8564 5090 — E EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01: 01145	Project Manager	Greg Molloy	Project Name	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources	Electronic Results Format	ESDAT
Contact Name	Greg Molloy					Email for Results	Greg.Molloy@NTResources.com.au
Contact Phone №	Mobile: 0437 690 958					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat						
Relinquished by (Signature) (Time / Date)	17/8/2022						

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)										Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals					Sample Comments / DG Hazard Warning
1	Site 2	15.8.22	W							X	-	X	-	X										2		2					
2	Site 2	15.8.22	W							X	X	X	-	X										2		2					
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report №
	M. Bowen	17/8/2022	12:30		13.7	915162

QS3009_XXXX Issue Date: XX XX 2015 Approved by: XXXXXX

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh VIC 3166 P +61 3 8564 5000 F +61 3 8564 5090 E EnviroSampleVic@eurofins.com.au

| | | |

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh VIC 3166 P +61 3 8564 5000 F +61 3 8564 5090 E EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd; Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)	Ada				
(Time / Date)	21 09 /2022				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals					Sample Comments / DG Hazard Warning
	Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")																											
1	Site 2	15-9-22	W							X	X	X	X	X							2		2					
2	Site 2	15-9-22	W.							X	X	X	X	X							2		2					
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

Containers: 1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Laboratory Use Only	Received By	JUNGONE	Date	23/9/2022	Time	9:30 AM	Signature		Temperature	25.2°C	Report № 925905

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.

CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P +61 3 8564 5000 F +61 3 8564 5090 E EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	27/9/2022				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Containers: 1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

№	Client Sample ID	Date	Matrix	Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	BH 19B	26/9	W		X	X	X	X	X								2		2	
2	BH 4D	26/9	W		X	X	X	X	X								2		2	
3	Site 2	26/9	W								X	X	X	X	X		2		2	
4	Site 2	26/9	W								X	X	X	X	X		2		2	
5	BH MT BORTON	27/9	W		X	X	X	X	X								2		2	
6																				
7																				
8																				
9																				
10																				
11																				
12																				926560

Laboratory Use Only	Received By		Date	Time	Signature	Temperature	Report №
			27/09/2022	2:20 PM		N/A.	

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CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P +61 3 8564 5000 F +61 3 8564 5090 E EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)	IAN GOOSE				
(Time / Date)	10:30 16/10/2022				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Analysis (Note: Where metals are required, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)
1	Site 2		W					X	X	X	X
2	Site 2		W					X	X	X	X
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Containers

№	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1		2		2	
2		2		2	

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report №
	Kristine Hoon	7/10/2022	9:00 AM		20.4°C	932025

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QSXXX_XXXX Issue Date: XX/XX/2015 Approved by: XXXXXX

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	2 1/11/2022				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN inorganics	Containers: 500ml Plastic - GREEN Inorganics	Containers: 200mL Plastic - RED Metals	Containers: 60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	Bore Hole 24	1/11/22	GW	x	x	x	x						2		2	
2	Bore Hole 22	1/11/22	GW	x	x	x	x						2		2	
3	SITE 2	1/11/22	SW					x	x	x	x		2		2	
4	SITE 2	1/11/22	SW					x	x	x	x		2		2	
5	Bore Hole 24	1/11/22	GW	x	x	x	x						2		2	
6																
7																
8																
9																
10																
11																
12																

Containers: 1L Plastic - GREEN inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report №
	[illegible]	2/11/2022	2:30pm		15.8°C	

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QS2000_XXXX Issue Date: XX XX 2015 Approved by: XXXXXX

REPORT #937225

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 — P +61 3 8564 5000 F +61 3 8564 5090 — E EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	9/11/2022				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	Containers: 500ml Plastic - GREEN Inorganics	Containers: 200mL Plastic - RED Metals	Containers: 60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	SITE2	7/11/22	SW					X	X	X	X		2		2	
2	SITE2	7/11/22	SW					X	X	X	X		2		2	
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report №
		09/11/2022	2:35 pm		18.6°C	893347

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CHAIN OF CUSTODY RECORD

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Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 — P: +61 3 8564 5000 — F: +61 3 8564 5090 — E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy	Project Name	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources	Electronic Results Format	ESDAT
Contact Name	Greg Molloy					Email for Results	Greg.Molloy@NTResources.com.au
Contact Phone №	Mobile: 0437 690 958					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* *Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat					Containers	Method of Shipment
Relinquished by (Signature) (Time / Date)	15/11/2022						☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe, Pb, Mn, Ni, U, Zn)					1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals					Sample Comments / DG Hazard Warning
1	Site 2	15/11/22	W							X	X	X	X	X						2		2					
2	Site 2	15/11/22	W							X	X	X	X	X						2		2					
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

Laboratory Use Only	Received By		Date	Time	Signature	Temperature	Report №
			15/11/2022	2:40 PM		14.8°C	944202

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CHAIN OF CUSTODY RECORD

Eurofins | Environment Testing ABN 50 005 085 521

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☐ **Brisbane Laboratory** Unit 1 21 Smallwood Place Murarrie QLD 4172 07 3902 4600 EnviroSampleQLD@eurofins.com

☐ **Perth Laboratory** Unit 2 91 Leach Highway Kewdale WA 6105 08 9251 9600 EnviroSampleWA@eurofins.com

☐ **Melbourne Laboratory** 6 Monterey Road Dandenong South VIC 3175 03 8564 5000 EnviroSampleVic@eurofins.com

Company	NT Resources Pty Ltd	**Project №**	NT Resources	**Project Manager**	Greg Molloy	**Sampler(s)**	NT Resources
Address	Old Rum Jungle Rd., Batchelor NT, 0845	**Project Name**	NT Resources	**EDD Format** ESdat, EQuIS etc	ESDAT	**Facility Code**	**Handed over by** GM
Contact Name	Greg Molloy						**Email for Invoice** Greg.Molloy@NTResources.com.au
Phone №	Mobile: 0437 690 958						**Email for Results** Greg.Molloy@NTResources.com.au
Special Directions	Please do not put spaces in between sample D letter when inputting into Esdat						
Purchase Order	NTR#01145						
Quote ID №	1801030NTR						

Containers (Change container type & size if necessary.)

Required Turnaround Time (TAT) (Default will be 5 days if not ticked.)

♦Surcharge will apply

☐ Overnight (reporting by 9am)♦

☐ Same day♦ ☐ 1 day♦

☐ 2 days♦ ☐ 3 days♦

☑ 5 days (Standard)

☐ Other( )

Analyses Where metals are requested, please specify "Total" or "Filtered". SUITE code must be used to target SUITE pricing.

№	Client Sample ID	Sampled Date/Time dd/mm/yy hh:mm	Matrix Solid (S) Water (W)	Groundwater	Suite B11E	SuiteB11D	Suspended Solids	Metals Total & filtered (Al, Cd, Cr, Co, Cu, Fe, Pb, Mn, Ni, U, Zn)	Surface Water	Suite B11E	SuiteB11D	Suspended Solids	Metals Total & filtered (Al, Cd, Cr, Co, Cu, Fe, Pb, Mn, Ni, U, Zn)					500mL Plastic Green Inorganics	60mL Plastic RED Metals	125mL Plastic	200mL Amber Glass	40mL VOA vial	500mL PFAS Bottle	Jar (Glass or HDPE)	Other (Asbestos AS4964, WA Guidelines)	Sample Comments / Dangerous Goods Hazard Warning
1	Site 5	22/11/22	Water							X	X	X	X					2	2							
2	Site 5	22/11/22	Water							X	X	X	X													
3	Site 2	22/11/22	Water							X	X	X	X													
4	GS 200	22/11/22	Water							X	X	X	X													
5																										
6																										
7																										
8																										
9																										
10																										
	Add Rows		Total Counts							4	4	4	4					2	2							

Method of Shipment	☐ Courier (#)	☐ Hand Delivered	☐ Postal	Name		Signature		Date		Time	

Laboratory Use Only	Received By	Kristine Hood	SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature	K.Hood	Date	22/11/22	Time	2:50 PM	Temperature	10.5
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Report №	943385

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CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172, P +61 7 3902 4600, E EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166, P +61 3 8564 5000, F +61 3 8564 5090, E EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)	Chen				
(Time / Date)	01/12/2022				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply; ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Surfacewater	Surfacewater	Surfacewater	Surfacewater	Surfacewater	Containers: 1L Plastic - GREEN Inorganics	Containers: 500ml Plastic - GREEN Inorganics	Containers: 200mL Plastic - RED Metals	Containers: 60mL Plastic - RED Metals	Containers	Containers	Containers	Containers	Sample Comments / DG Hazard Warning
				Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)			Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)											
1	Site 5	28/11/22	W							X	X	X	X	X		2		2					
2	Site 5	28/11/22	W							X	X	X	X	X		2		2					
3	Site 2	28/11/22	W							X	X	X	X	X		2		2					
4	QS 200	28/11/22	W							X	X	X	X	X		2		2					
5	Site 1	28/11/22	W							X	X	X	X	X		2		2					
6																							
7																							
8																							
9																							
10																							
11																							
12																							

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Laboratory Use Only	Received By	IC Thomas	Date	01/12/2022	Time	12:45pm	Signature	Temperature	7.3

Report № 94625

QS3009_XXXX Issue Date: XX XX 2015 Approved by: XXXXXX

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Company	NT Resources Pty Ltd	Purchase Order	NTR #01145
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR
Contact Name	Greg Molloy	Project №	NT Resources
Contact Phone №	Mobile: 0437 690 958	Electronic Results Format	ESDAT
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat	Email for Results	Greg.Molloy@NTResources.com.au
Relinquished by (Signature) (Time / Date)	01/12/2022	Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	Containers: 500ml Plastic - GREEN Inorganics	Containers: 250mL Plastic - RED Metals	Containers: 60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	Site 5	5/12/22	W					X	X	X	X	2			2	
2	Site 5	5/12/22	W					X	X	X	X	2			2	
3	Site 2	5/12/22	W					X	X	X	X	2			2	
4	CS 200	5/12/22	W					X	X	X	X	2			2	
5	BH24	5/12/22	W	X	X	X	X					2			2	
6	BH24	5/12/22	W	X	X	X	X					2			2	
7	BH22	5/12/22	W	X	X	X	X					2			2	
8																
9																
10																
11																
12																

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Laboratory Use Only	Received By		Date	6/12/2022	Time	0930	Signature

Temperature: 24°C

Report № 947603

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on reque

CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place Murarrie, QLD 4172 P +61 7 3902 4600 E EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close Oakleigh, VIC 3166 P +61 3 8564 5000 F +61 3 8564 5090 E EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR
Contact Name	Greg Molloy	Project Manager	Greg Molloy
Contact Phone №	Mobile: 0437 690 958	Project №	NT Resources
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat	Project Name	NT Resources
Relinquished by (Signature)		Electronic Results Format	ESDAT
(Time / Date)	14/12/2022	Email for Results	Greg.Molloy@NTResources.com.au

Turn Around Requirements: ☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (* Surcharges apply) ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	Containers: 500ml Plastic - GREEN Inorganics	Containers: 200mL Plastic - RED Metals	Containers: 60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	Site 5	12/12/22	W					X	X	X	X	X		2		2	
2	Site 5	12/12/22	W					X	X	X	X	X		2		2	
3	Site 2	12/12/22	W					X	X	X	X	X		2		2	
4	GS 200	12/12/22	W					X	X	X	X	X		2		2	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report №
		14/12/2022	04:16 PM		24.2	958267

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CHAIN OF CUSTODY RECORD

☐ Eurofins | mgt Sydney Lab

☐ Eurofins | mgt Brisbane Lab

☐ Eurofins | mgt Melbourne Lab

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)					
(Time / Date)	1 /2022				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

№	Client Sample ID	Date	Matrix	Groundwater	Surfacewater	Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Method of Shipment / Sample Comments / DG Hazard Warning
1	Site 5	19/12/22	W		X		2		2	☑ Courier (#) ☐ Hand Delivered ☐ Postal
2	Site 5	19/12/22	W		X		2		2	
3	Site 2	19/12/22	W		X		2		2	
4	GS 200	19/12/22	W		X		2		2	
5										
6										
7										
8										
9										
10										
11										
12										

Laboratory Use Only	Received By		Date	Time	Signature	Temperature	Report №
			19/12/2022	3:05 PM		16.3	951650

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.

CHAIN OF CUSTODY RECORD

☐ Eurofins | mgt Sydney Lab — Unit F3 Building F, 16 Mars Road, Lane Cove West, NSW 2066, P: +61 2 9900 8400, E: EnviroSampleNSW@eurofins.com.au

☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172, P: +61 7 3902 4600, E: EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166, P: +61 3 8564 5000, F: +61 3 8564 5090, E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote No	1801030NTR	Project No	NT Resources
Contact Name	Greg Molloy				
Contact Phone No	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)					
(Time / Date)	27 / 12 /2022				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	Containers: 500ml Plastic - GREEN Inorganics	Containers: 200mL Plastic - RED Metals	Containers: 60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	GS200 A	24/12/	W					X	X	X	X	X		2		2	
2	Site 5 A	24/12/22	W					X	X	X	X	X		2		2	
3	DAMOUT 1	24/12/22	W					X	X	X	X	X		2		2	# 953 246
4	Site 5	24/12/22	W					X	X	X	X	X		2		2	24/12
5	Site 5	24/12/22	W					X	X	X	X	X		2		2	
6	Site 1	24/12/22	W					X	X	X	X	X		2		2	
7	Site 4	24/12/22	W					X	X	X	X	X		2		2	
8	TREAT 01	24/12/22	W					X	X	X	X	X		2		2	
9	GS 200	24/12/22	W					X	X	X	X	X		2		2	
10																	
11																	
12																	

Containers: 1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Laboratory Use Only	Received By	DIt	Date	29 / 12 /2022	Time	10:40	Signature		Temperature 5.4	Report № courier chilled

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.

CHAIN OF CUSTODY RECORD

☐ Eurofins | mgt Sydney Lab — Unit F3 Building F, 16 Mars Road, Lane Cove West, NSW 2066 P: +61 2 9900 8400 E: EnviroSampleNSW@eurofins.com.au

☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 P: +61 7 3902 4600 E: EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	27/12/2022				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN inorganics	Containers: 500ml Plastic - GREEN Inorganics	Containers: 200mL Plastic - RED Metals	Containers: 60mL Plastic - RED Metals	Method of Shipment / Sample Comments / DG Hazard Warning
1	Site 5	26/12/22	W						X	X	X	X	X		2		2	
2	Site 5	26/12/22	W						X	X	X	X	X		2		2	
3	Site 2	26/12/22	W						X	X	X	X	X		2		2	# 953 248
4	Site 4	26/12/22	W						X	X	X	X	X		2		2	29/12
5	WAND01	26/12/22	W						X	X	X	X	X		2		2	
6	GS200	26/12/22	W						X	X	X	X	X		2		2	
7	Site 1	26/12/22	W						X	X	X	X	X		2		2	
8	TREAT 01	26/12/22	W						X	X	X	X	X		2		2	
9																		
10																		
11																		
12																		

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report №
	OH	29/12/2022	10:40		5.4	Courier Client

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.

CHAIN OF CUSTODY RECORD

F95383.2

6/1/2022

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Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172, P: +61 7 3902 4600, E: EnviroSampleQLD@eurofins.com.au

Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh South, P: +61 3 8564 5000, F: +61 3 8564 5090, E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	221129NTRNT
Contact Name	Greg Molloy	Project Manager	Greg Molloy
Contact Phone №	Mobile: 0437 690 958	Project №	NT Resources
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat	Project Name	NT Resources
Relinquished by (Signature) (Time / Date)	5/1/2023	Electronic Results Format	ESDAT
		Email for Results	Greg.Molloy@NTResources.com.au

Turn Around Requirements: ☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (*Surcharges apply) ☒ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

Groundwater: Suite B11E; Suite B11D; Suspended Solids; Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)

Surfacewater: Suite B11E; Suite B11D; Suspended Solids; Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)

Containers: 1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals

Method of Shipment: ☒ Courier (#) ☐ Hand Delivered ☐ Postal

№	Client Sample ID	Date	Matrix	Groundwater						Surfacewater						Containers				Sample Comments / DG Hazard Warning
										Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)			1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	
1	Site 5	3/1/23	W							X	X	X	X	X			2		2	
2	Site 5	3/1/23	W							X	X	X	X	X			2		2	
3	Site 2	3/1/23	W							X	X	X	X	X			2		2	
4	Site 4	3/1/23	W							X	X	X	X	X			2		2	
5	WAND01	3/1/23	W							X	X	X	X	X			2		2	
6	GS 200	3/1/23	W							X	X	X	X	X			2		2	
7	Site1	3/1/23	W							X	X	X	X	X			2		2	
8	TREAT1	3/1/23	W							X	X	X	X	X			2		2	
9																				
10																				
11																				
12																				

Laboratory Use Only — Received By: Jake — Date: 6/1/2023 — Time: 11:00 — Signature: — Temperature: 12.2° — Report №

S3009_XXXX Issue Date: XX XX 2015 Approved by: XXXXXX

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CHAIN OF CUSTODY RECORD

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Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 — P: +61 7 3902 4600 — E: EnviroSampleQLD@eurofins.com.au

Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 — P: +61 3 8564 5000 — E: EnviroSampleMel@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	221129NTRNT	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)					
(Time / Date)	9 / 1 /2023				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (* Surcharges apply) ☒ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Containers: 1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 250mL Plastic - RED Metals; 60mL Plastic - RED Metals

Method of Shipment: ☒ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	250mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	Site 5	9/1/23	W						X	X	X	X	X		2		2	
2	Site 5	9/1/23	W						X	X	X	X	X		2		2	# 954106
3	Site 2	9/1/23	W						X	X	X	X	X		2		2	11/01/23
4	Site 4	9/1/23	W						X	X	X	X	X		2		2	
5	WAND 01	9/1/23	W						X	X	X	X	X		2		2	
6	GS 200	9/1/23	W						X	X	X	X	X		2		2	
7	Site 1	9/1/23	W						X	X	X	X	X		2		2	
8	TREAT 01	9/1/23	W						X	X	X	X	X		2		2	
9																		
10																		
11																		
12																		

Laboratory Use Only	Received By	ICHOOD	Date	10/01/2023	Time	9:45	Signature		Temperature		Report №	

QS3009 XXXX Issue Date XX XX 2015 Approved by XXXXXX

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CHAIN OF CUSTODY RECORD

Eurofins | mgt Sydney Lab

Eurofins | mgt Brisbane Lab

Eurofins | mgt Melbourne Lab

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy	Project Name	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	221129NTRNT	Project №	NT Resources	Electronic Results Format	ESDAT
Contact Name	Greg Molloy					Email for Results	Greg.Molloy@NTResources.com.
Contact Phone №	Mobile: 0437 690 958					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges ap ☒ 5 DAY (Std.) ☐ Other (20 Days for Radiochem
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat						
Relinquished by (Signature) (Time / Date)	20/1/2023						

Analysis (Note: Where metals are requested please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Wan
1	BH 10	18/1/23	W	X	X	X	X	X							2		2	
2	BH 8B	18/1/23	W	X	X	X	X	X							2		2	
3	TPB 5	19/1/23	W	X	X	X	X	X							2		2	
4	Site 5								X	X	X	X	X		2		2	
5	Site 5								X	X	X	X	X		2		2	
6	Site 2								X	X	X	X	X		2		2	
7	Site 4								X	X	X	X	X		2		2	
8	WAND 01								X	X	X	X	X		2		2	
9	GS 200								X	X	X	X	X		2		2	
10	Site 1								X	X	X	X	X		2		2	
11	TREAT 01								X	X	X	X	X		2		2	
12																		

Containers: ☒ Courier (# ☐ Hand Delivered ☐ Postal

Laboratory Use Only	Received By		Date	Time	Signature	Temperature	Report №
			20/01/2023	10:30		9.4°c	957

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CHAIN OF CUSTODY RECORD

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Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie QLD 4172 — P: +61 7 3902 4600 — E: EnviroSampleQLD@eurofins.com.au

Eurofins | mgt Melbourne Lab — 3 Kingston Town Close, Oakleigh VIC 3166 — P: +61 3 8564 5000 — F: +61 3 8564 5090 — E: EnviroSampleVIC@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy	Project Name	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	221129NTRNT	Project №	NT Resources	Electronic Results Format	ESDAT
Contact Name	Greg Molloy					Email for Results	Greg.Molloy@NTResources.com.au
Contact Phone №	Mobile: 0437 690 958					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat						
Relinquished by (Signature) (Time / Date)	24/1/2023						

Analysis (Note: For metals are requested please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals					Sample Comments / DG Hazard Warning
1	TREAT 01	22-1-23	W							X	X	X	X	X							2		2					
2	TREAT 01	23-1-23	W							X	X	X	X	X							2		2					
3																												
4																												
5																												
6																												
7	NOTE: MAINAY LOOKING INTO COPPER IN																											
8																												
9	THESE.																											
10																												
11																												
12																												

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report №
	K Hood	24/1/2023	12:50 pm		15°C	957958

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.

CHAIN OF CUSTODY RECORD

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Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie QLD 4172, P: +61 7 3902 4600, E: EnviroSampleQLD@eurofins.com.au

Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh VIC 3166, P: +61 3 8564 5000, F: +61 3 8564 5090, E: EnviroSampleMel@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	221129NTRNT	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	24/1/2023				

Project Name	NT Resources				
Electronic Results Format	ESDAT				
Email for Results	Greg.Molloy@NTResources.com.au				
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)				

Analysis (Note: Where metals are requested please specify "Total" or "Filtered".)

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe, Pb, Mn, Ni, U, Zn)	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	Containers: 500ml Plastic - GREEN Inorganics	Containers: 200mL Plastic - RED Metals	Containers: 60mL Plastic - RED Metals	Method of Shipment	Sample Comments / DG Hazard Warning
1	SITE 5	24/1	Water					X	X	X	X		2		2		
2	DPSITE5	24/1	"					X	X	X	X		2		2		
3	SITE 2	24/1	"					X	X	X	X		2		2		
4	SITE 4	24/1	"					X	X	X	X		2		2		
5	WAND01	24/1	"					X	X	X	X		2		2		
6	GS200	24/1	"					X	X	X	X		2		2		
7	SITE 1	24/1	"					X	X	X	X		2		2		
8	TREAT01	24/1	"					X	X	X	X		2		2		
9													2		2		
10																	
11																	
12																	

☑ Courier (#) ☐ Hand Delivered ☐ Postal

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report №
	Lithoon	24/01/2023	12:30PM		16.2°C	957954

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.

ICHOOD 01/02/23 2:20pm fmw 17.4°C iced

Report #959756

CHAIN OF CUSTODY RECORD

Eurofins | mgt Sydney Lab

Eurofins | mgt Brisbane Lab

Eurofins | mgt Melbourne Lab

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	221129NTRNT
Contact Name	Greg Molloy	Project Manager	Greg Molloy
Contact Phone №	Mobile: 0437 690 958	Project №	NT Resources
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat	Project Name	NT Resources
Relinquished by (Signature)		Electronic Results Format	ESDAT
(Time / Date)	1/2/2023	Email for Results	Greg.Molloy@NTResources.com.au

Turn Around Requirements: ☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (* Surcharges apply) ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

№	Client Sample ID	Date	Matrix	Analysis (Note: Where metals are requested please specify Total or Filtered)	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	250mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	SITE5	30/1	Water								X	X	X	X		1		1	
2	DPSITE5	30/1	Water								X	X	X	X		2		2	
3	SITE2	"	"								X	X	X	X		2		2	
4	SITE4	"	"								X	X	X	X		2		2	
5	WAND01	"	"								X	X	X	X		2		2	
6	GS200	"	"								X	X	X	X		2		2	
7	SITE1	"	"								X	X	X	X		2		2	
8	TREAT01	"	"								X	X	X	X		2		2	
9	BH22	"	"			X	X	X	X							2		2	
10	DPBH22	"	"			X	X	X	X							2		2	
11	BH24	"	"			X	X	X	X							2		2	

CHAIN OF CUSTODY RECORD

Eurofins | mgt Sydney Lab

Eurofins | mgt Brisbane Lab

Eurofins | mgt Melbourne Lab

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote No	221129NTRNT	Project No	NT Resources
Contact Name	Greg Molloy				
Contact Phone No	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	7.12.2023				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* *Surcharges apply ☒ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Containers

Method of Shipment: ☒ Courier (#) ☐ Hand Delivered ☐ Postal

No	Client Sample ID	Date	Matrix	Groundwater	Surfacewater	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	250mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	SITE 4	6/2/23	Water			✓	✓	✓		
2	SITE2	6/2/23	Water			✓	✓	✓		
3	SITE5	6/2/23	Water			✓	✓	✓		
4	DPSITE5	6/2/23	Water			✓	✓	✓		
5	SITE1	6/2/23	Water			✓	✓	✓		
6	GS200	6/2/23	Water			✓	✓	✓		
7	WANDO1	6/2/23	Water			✓	✓	✓		
8	TREAT01	6/2/23	Water			✓	✓	✓		
9										
10										
11										
12										

Analysis (Note: Where metals are requested please specify 'Total' or 'Filtered'):

	Groundwater	Surfacewater
Suite B11E	✓	✓
Suite B11D	✓	✓
Suspended Solids	✓	✓
Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	✓	✓

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report No
	YHWDO	07/12/2023	2:00PM		12.0°C	logged 961400

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.

CHAIN OF CUSTODY RECORD

Eurofins | mgt Sydney Lab | Brisbane Lab | Melbourne Lab

Company	NT Resources Pty Ltd	Purchase Order	NTR #02698	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote No	221129NTRNT	Project No	NT Resources
Contact Name	Greg Molloy				
Contact Phone No	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)					
(Time / Date)	14, 2 /2023				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☐ 5 DAY (Std.) ☐ Other (20 Days for Reduction)

Analysis (Please tick requested analysis)

No	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 125 mL - GREEN Preservative	Containers: 500mL - GREEN Preservative	Containers: 250mL - RED Plastic	Containers: 60mL - RED Plastic	Sample Comments / DG Hazard Warning
1	SITE5	13/2	Water						X	X	X	X		1		2	
2	DPSITE5	13/2	"						X	X	X	X		1		2	
3	SITE1	13/2	"						X	X	X	X		1		2	
4	GS200	13/2	"						X	X	X	X		1		2	
5	WAND01	13/2	"						X	X	X	X		1		2	
6	SITE2	13/2	"						X	X	X	X		1		2	
7	SITE4	13/2	"						X	X	X	X		1		2	
8	TREAT01	13/2	"						X	X	X	X		1		2	
9																	
10																	
11																	logged.
12																	

☐ Courier (#)
☐ Hand Delivered
☐ Postal

Laboratory Use Only	Received By	[illegible]	Date	14/02/2023	Time	2:50 pm	Signature
Temperature	18.2°	Report №	963413				

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QC200 XXXX Issue Date: XX.XX.2015 Accountable: YYYYYY

CHAIN OF CUSTODY RECORD

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Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie QLD 4172 — P: +61 7 3902 4600 — E: EnviroSampleQLD@eurofins.com.au

Eurofins | mgt Melbourne Lab — 6 Monterey Road, Dandenong South VIC 3175 — P: +61 3 8564 5000 — F: +61 3 8564 5090 — E: EnviroSampleMel@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy	Project Name	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	221129NTRNT	Project №	NT Resources	Electronic Results Format	ESDAT
Contact Name	Greg Molloy					Email for Results	Greg.Molloy@NTResources.com.au
Contact Phone №	Mobile: 0437 690 958					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☒ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat						
Relinquished by (Signature)	IAN GOODE						
(Time / Date)	1845 18/2/2023						

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Method of Shipment	Sample Comments / DG Hazard Warning
1	SITE 5	17/2/23	W						X	X	X	X	X	1			2	☒ Courier (#) ☐ Hand Delivered ☐ Postal	
2	SITE5 DUPLICATE	17/2/23	W						X	X	X	X	X	1			2		
3	SITE 2	17/2/23	W						X	X	X	X	X	1			2		
4	SITE 4	17/2/23	W						X	X	X	X	X	1			2		
5	WAND 01	17/2/23	W						X	X	X	X	X	1			2		
6	GS 200	17/2/23	W						X	X	X	X	X	1			2		
7	SITE 1	17/2/23	W						X	X	X	X	X	1			2		
8	TREAT 01	17/2/23	W						X	X	X	X	X	1			2		
9																			
10																			
11																			
12																			

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report №
		22/02/2023	9:15AM		6.8°C	965111

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.

CHAIN OF CUSTODY RECORD

Eurofins | mgt Sydney Lab | Eurofins | mgt Brisbane Lab | Eurofins | mgt Melbourne Lab

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote No	221129NTRNT	Project No	NT Resources
Contact Name	Greg Molloy				
Contact Phone No	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	21/2/2023				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☒ 5 DAY (Std.) ☐ Other (28 Days for Radiochem)

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

| | | | | |

CHAIN OF CUSTODY RECORD

☐ Eurofins | mgt Sydney Lab — Unit F3 Building F, 16 Mars Road, Lane Cove West, NSW 2066 — P +61 2 9900 8400 — E Enviro@mgtNSW@eurofins.com.au

☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 — P +61 7 3902 4600 — E Enviro@mgtQld@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 — P +61 3 8564 5000 — E Enviro-SampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	221129NTRNT	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	Kate Jonnowy 28/2/2023				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	DAMOUT 1	23-Feb-23	W							X	X	X	X	X		1		2	
2	GS8150200	23-Feb-23	W							X	X	X	X	X		2		4	
3	SITE5	23-Feb-23	W							X	X	X	X	X		3		6	
4	SITE1	23-Feb-23	W							X	X	X	X	X		1		2	
5	SITE4	23-Feb-23	W							X	X	X	X	X		2		4	
6	TREAT01	23-Feb-23	W							X	X	X	X	X		1		22	
7	GS800	"	W							X	X	X	X	X		1		2	
8	SITES DUPLICATE	"	W							X	X	X	X	X		1		2	
9																			
10																			
11																			
12																			

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report №
	Kristine Hood	1/03/2023	9:20 AM		6	967859

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QS3000_XXXX Issue Date XX.XX.2015 Approved by: XXXXXX

CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 — P: +61 7 3902 4600 — E: EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 — P: +61 3 8564 5000 — F: +61 3 8564 5090 — E: EnviroSampleMelb@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy	Project Name	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	221129NTRNT	Project №	NT Resources	Electronic Results Format	ESDAT
Contact Name	Greg Molloy					Email for Results	Greg.Molloy@NTResources.com.au
Contact Phone №	Mobile: 0437 690 958					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* *Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat						
Relinquished by (Signature) (Time / Date)	date forno wy 28/2/2023						

Analysis (Note: Where metals are required, please specify Total or Filtered)	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Surfacewater	Surfacewater	Surfacewater	Surfacewater	Surfacewater	Surfacewater	Surfacewater	Surfacewater	Surfacewater	Surfacewater	Containers								Method of Shipment
№	Client Sample ID	Date	Matrix	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)			Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)							1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals					☑ Courier (#) ☐ Hand Delivered ☐ Postal
1	SITE5	28/2	Water							X	X	X	X							1			2					Sample Comments / DG Hazard Warning
2	DPSITE5	28/2	Water							X	X	X	X							1			2					
3	SITE 1	28/2	Water							X	X	X	X							1			2					
4	GS200	28/2	Water							X	X	X	X							1			2					
5	WAND01	28/2	Water							X	X	X	X								1		2					
6	SITE2	28/2	Water							X	X	X	X								1		2					
7	SITE4	28/2	Water							X	X	X	X								1		2					
8	TREAT01	28/2	Water							X	X	X	X								1		2					
9	BH22	28/2	Water	X	X	X	X														1		2					
10	BH24	28/2	Water	X	X	X	X														1		2					
11	DPBH24	28/2	Water	X	X	X	X														1		2					
12																												

Laboratory Use Only	Received By		Date	Time	Signature	Temperature	Report №
	KAOOR		01/03/2023	07:20		6°C	967871

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.

CHAIN OF CUSTODY RECORD

Eurofins | mgt Sydney Lab

Eurofins | mgt Brisbane Lab

Eurofins | mgt Melbourne Lab

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy	Project Name	NT Resources
		Eurofins | mgt Quote No	221129NTRNT	Project No	NT Resources	Electronic Results Format	ESDAT
Address	Old Rum Jungle Rd, Batchelor, NT, 0845					Email for Results	Greg.Molloy@NTResources.com.au
Contact Name	Greg Molloy					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* *Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Phone No	Mobile: 0437 690 958						
Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat						
Relinquished by (Signature / Date)	date jarnowy 6/3/2023						

Analysis (Note: Where metals are requested please specify "Total" or "Filtered")

Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Method of Shipment	Sample Comments / DG Hazard Warning
SITE1	6/3/23	Water							X	X	X	X		1		2	☑ Courier (#) ☐ Hand Delivered ☐ Postal	
~~GS200~~ GS200	6/3/23	Water							X	X	X	X		1		2		
WAND01	6/3/23	Water							X	X	X	X		1		2		
SITE2	6/3/23	Water							X	X	X	X		1		2		
SITE4	6/3/23	Water							X	X	X	X		1		2		
SITE5	6/3/23	Water							X	X	X	X		1		2		
DPSITE5	6/3/23	Water							X	X	X	X		1		2		
TREAT01	6/3/23	Water							X	X	X	X		1		2		

969219

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report №
	[illegible]	06/03/2023	12:30PM		12.2°C	12322

XX XX 2015 Accounts XXXXXX

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.

CHAIN OF CUSTODY RECORD

Eurofins | mgt Sydney Lab

Eurofins | mgt Brisbane Lab

Eurofins | mgt Melbourne Lab

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy	Project Name	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	221129NTRNT	Project №	NT Resources	Electronic Results Format	ESDAT
Contact Name	Greg Molloy					Email for Results	Greg.Molloy@NTResources.com.au
Contact Phone №	Mobile: 0437 690 958					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat						
Relinquished by (Signature) (Time / Date)	datefornowy 13/3/2023						

Analyte (Note: Where metals are requested please specify "Total" or "Filtered")

Groundwater: Suite B11E; Suite B11D; Suspended Solids; Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)

Surfacewater: Suite B11E; Suite B11D; Suspended Solids; Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)

Containers: 1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 250mL Plastic - RED Metals; 60mL Plastic - RED Metals

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

№	Client Sample ID	Date	Matrix	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	250mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	TREAT 01	13/3	Water					X	X	X	X		1		2	
2	SITE1	13/3	Water					X	X	X	X		1		2	
3	GS200	13/3	Water					X	X	X	X		1		2	
4	SITE5	13/3	Water					X	X	X	X		1		2	
5	DPSITE5	13/3	Water					X	X	X	X		1		2	
6	WAND01	13/3	Water					X	X	X	X		1		2	
7	SITE4	13/3	Water					X	X	X	X		1		2	
8	SITE2	13/3	Water					X	X	X	X		1		2	
9																
10																
11																
12																

Laboratory Use Only	Received By		Date	Time	Signature	Temperature	Report №
			14/3/2023	9:40AM		12.6°C	977561

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CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 — P +61 7 3902 4600 — E EnviroSampleBR@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 — P +61 3 8564 5000 — F +61 3 8564 5090 — E EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	221129NTRNT	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)					
(Time / Date)	21/3/2023				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) *☐ Other (10 Days for Underclean)

№	Client Sample ID	Date	Matrix	Analysis (Note: Where metals are required, please specify "Total" or "Filtered")	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals					Method of Shipment	Sample Comments / DG Hazard Warning
1	SITE 5	20-Mar-23	W								X	X	X	X	X							1		2					☑ Courier (#) ☐ Hand Delivered ☐ Postal	
2	SITE 5 DUPLICATE	20-Mar-23	W								X	X	X	X	X							1		2						
3	SITE 2	20-Mar-23	W								X	X	X	X	X							1		2						
4	SITE 4	20-Mar-23	W								X	X	X	X	X							1		2						
5	WAND01	20-Mar-23	W								X	X	X	X	X							1		2						
6	GS200	20-Mar-23	W								X	X	X	X	X							1		2						
7	SITE 1	20-Mar-23	W								X	X	X	X	X							1		2						
8	TREAT01	20-Mar-23	W								X	X	X	X	X							1		2						
9																														
10																														
11																														
12																														

Laboratory Use Only	Received By		Date	21/3/2023	Time	2:30pm	Signature	Temperature	19.1°C	Report №	Logged. 473930

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CHAIN OF CUSTODY RECORD

☐ Eurofins | mgt Sydney Lab — Unit F3, Building F, 16 Mars Road, Lane Cove West, NSW 2066

☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172

☐ Eurofins | mgt Melbourne Lab — 3 Kingston Town Close, Oakleigh VIC 3166

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	221129NTRNT	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	29/3/2023				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (* Surcharges apply) ☑ 5 DAY (Std.) ☐ Other (30 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Please tick where required, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	Site 5	27/3/23	W						X	X	X	X	X		1		2	
2	Site 5	27/3/23	W						X	X	X	X	X		1		2	
3	Site 2	27/3/23	W						X	X	X	X	X		1		2	
4	Site 4	27/3/23	W						X	X	X	X	X		1		2	
5	WAND 01	27/3/23	W						X	X	X	X	X		1		2	
6	GS 200	27/3/23	W						X	X	X	X	X		1		2	
7	Site 1	27/3/23	W						X	X	X	X	X		1		2	
8	TREAT 01	27/3/23	W						X	X	X	X	X		1		2	
9																		
10																		
11																		
12																		

976435

Logged.

Laboratory Use Only	Received By	ICHOOD	Date	29/03/2023	Time	2:45pm	Signature		Temperature	9.2	Report №	

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EKS003_XXX Issue Date: XX.XX.2015 Approved by: XXXXX

CHAIN OF CUSTODY RECORD

Eurofins | Environment Testing ABN 50 005 085 521

☐ **Sydney Laboratory**
Unit F3 Bld.F 16 Mars Road Lane Cove West NSW 2066
02 9900 8400 EnviroSampleNSW@eurofins.com

☐ **Brisbane Laboratory**
Unit 1 21 Smallwood Place Murarrie QLD 4172
07 3902 4600 EnviroSampleQLD@eurofins.com

☐ **Perth Laboratory**
Unit 2 91 Leach Highway Kewdale WA 6105
08 9251 9600 EnviroSampleWA@eurofins.com

☐ **Melbourne Laboratory**
6 Monterey Road Dandenong South VIC 3175
03 8564 5000 EnviroSampleVic@eurofins.com

Company	NT Resources Pty Ltd	Project №	NT Resources
Address		Project Name	NT Resources
Contact Name	Greg Molloy	Project Manager	Greg Molloy
Phone №		EDD Format (Excel, EQuIS etc.)	
Special Directions		Sampler(s)	
Purchase Order	NT #02098	Handed over by	GM
Quote ID №		Email for Invoice	
		Email for Results	greg.molloy@ntresources.com

Analyses

| № | Client Sample ID | Sampled Date/Time (dd/mm/yy hh:mm) | Matrix Soil (S) Water (W) | Suite B11E | Suite B11O | Suspended Solids | metals total & filtered (As, Cd, Cr, Co, Cu, Fe, Pb, Mn, Ni, U, Zn) | | |

CHAIN OF CUSTODY RECORD

☐ Eurofins | mgt Sydney Lab ☐ Eurofins | mgt Brisbane Lab ☐ Eurofins | mgt Melbourne Lab

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy	Project Name	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	221129NTRNT	Project №	NT Resources	Electronic Results Format	ESDAT
Contact Name	Greg Molloy					Email for Results	Greg.Molloy@NTResources.com.au
Contact Phone №	Mobile: 0437 690 958					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std) ☐ Other ( )
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat					Containers	Method of Shipment
Relinquished by (Signature) (Time / Date)	12/4/2023						☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Please tick or specify required analysis by "Yes" or "No")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals				Sample Comments / DG Hazard Warning
1	GS 200 A	11/4/23	W							X	X	X	X	X							1		2				
2	Site 5 A	11/4/23	W							X	X	X	X	X							1		2				
3	Site 4 A	11/4/23	W							X	X	X	X	X							1		2				
4	site 5	11/4/23	W							X	X	X	X	X							1		2				
5	site 5	11/4/23	W							X	X	X	X	X							1		2				
6	Site 2	11/4/23	W							X	X	X	X	X							1		2				
7	Site 4	11/4/23	W							X	X	X	X	X							1		2				
8	WAND 01	11/4/23	W							X	X	X	X	X							1		2				
9	GS 200	12/4/23	W							X	X	X	X	X							1		2				
10	Site 1	11/4/23	W							X	X	X	X	X							1		2				
11	TREAT 01	11/4/23	W							X	X	X	X	X							1		2				
12	DAMOUT 1	11/4/23	W							X	X	X	X	X							1		2				

Laboratory Use Only	Received By		Date	Time	Signature	Temperature	Report №
			13/4/2023	9:25am		5.8°c	980326

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Page 1 of 1

with icebricks

QF2002_3XX Issue Date: XX.XX.2015 Approved by: XXXXX

CHAIN OF CUSTODY RECORD

☐ Eurofins | mgt Sydney Lab ☐ Eurofins | mgt Brisbane Lab ☐ Eurofins | mgt Melbourne Lab

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	221129NTRNT	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)					
(Time / Date)	9/5/2023				

Project Name	NT Resources	
Electronic Results Format	ESDAT	
Email for Results	Greg.Molloy@NTResources.com.au	
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other ( )	
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals	
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal	

Analyses

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals					Sample Comments / DG Hazard Warning
1	Site 5	17/4/23	W							X	X	X	X	X							1		2					
2	Site 5	17/4/23	W							X	X	X	X	X							1		2					
3	Site 2	17/4/23	W							X	X	X	X	X							1		2					
4	Site 4	17/4/23	W							X	X	X	X	X							1		2					
5	WAND 01	17/4/23	W							X	X	X	X	X							1		2					
6	GS200	17/4/23	W							X	X	X	X	X							1		2					
7	Site 1	17/4/23	W							X	X	X	X	X							1		2					
8	TREAT01	17/4/23	W							X	X	X	X	X							1		2					
9																												
10																												
11																												
12																												

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report №
	A-MANJARES	9/05/2023	12:18		8.1°C	982104

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QF2000_XXX Issue Date: XX/XX/2015 Approved by: XXXXX

CHAIN OF CUSTODY RECORD

☐ Eurofins | mgt Sydney Lab ☐ Eurofins | mgt Brisbane Lab ☐ Eurofins | mgt Melbourne Lab

Company	NT Resources Pty Ltd	Purchase Order	NTR #02098	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	221129NTRNT	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	26/4/2023				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std) ☐ Other ( )
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	Containers: 500ml Plastic - GREEN Inorganics	Containers: 200mL Plastic - RED Metals	Containers: 60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	Site 5	24/4/23	W					X	X	X	X	X		1		2	
2	Site 5	24/4/23	W					X	X	X	X	X		1		2	
3	Site 2	24/4/23	W					X	X	X	X	X		1		2	
4	Site 4	24/4/23	W					X	X	X	X	X		1		2	
5	WAND 01	24/4/23	W					X	X	X	X	X		1		2	
6	GS 202	24/4/23	W					X	X	X	X	X		1		2	
7	Site 1	24/4/23	W					X	X	X	X	X		1		2	
8	TREAT 01	24/4/23	W					X	X	X	X	X		1		2	
9																	
10																	
11																	
12																	

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report №
	A. MANTARIS	26/04/2023	14:04		11.8°C	983832

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.

APPENDIX G – 2022/23 MONTHLY DISCHARGE REPORTS

Our Ref: NTR-ENV-LET-100
8 January 2023

NT Environmental Protection Authority
Environmental Authorisations
c/-Julia Schult
Email: waste@nt.gov.au

Dear Julia

WDL 177-10 – December 2022 Monthly Discharge Report as per Licence Condition 43

In accordance with WDL 177-10 condition 43, Northern Territories Resources Pty Ltd (NTR) submits the Monthly Discharge report for December 2022.

Discharge commenced on 24 December 2022 and continues into January 2023. Data collected up to 31 December 2022 are presented in this report.

Relevant water quality parameters and metal concentrations were recorded during the period of discharge (see Tables 1 & 2)

Licence condition 43 - *Water quality data.*

Field water quality measurements were taken from the respective monitoring and compliance sites according to the requirements of Appendix 2 of the WDL once discharge commenced and/or there was flow at the monitoring sites.

The field monitoring results measured during December 2022 are shown in Table 1.

Table 1 Field monitoring results for December 2022

During discharge
Immediately before discharge

				Field						Inorganics
				Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
				oC	mg/L	mV	%	µS/cm	-	NTU
WDL177-09 & 10 Trigger Values								700	6.5-8.5	
Field ID	Date	Time	Sample Comments	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
Site5	05 Dec 2022	9:50:00	Colour = clear, Depth = .2, Flow = slow	26.9	2.6	151	33.3	715	7.59	4.5
Site5	12 Dec 2022	8:00:00	Colour = clear, Depth = .2, Flow = VERY slow	27.1	2.11	164	27.2	604	7.6	3.7
Site5	19 Dec 2022	11:25:00	Colour = clear, Depth = .19, Flow = slow	30.03	6.19	147.3	83.8	564	7.31	4.6
Site5	24 Dec 2022	18:20:00	Colour= clear, Depth= .37,	26.8	1.44	187	18.1	187	6.61	24
Site5	24 Dec 2022	19:36:00	Colour= dirty, Depth= .46,	26.7	1.72	184	22.1	206	6.77	26.7
Site5	26 Dec 2022	8:00:00	Colour = clear, Depth = .51, Flow = med	28.9	3.07	156	37.2	472	7.64	6.1
Site5	27 Dec 2022	8:55:00	Colour = clear, Clarity=good, Depth = 0.54m, Flow= fast	28.7	1.47	193.7	22.4	446	6.92	7.8
Site5	28 Dec 2022	9:35:00	Colour = cloudy, Clarity= average-poor, Depth = 0.58m, Flow= good-fast	32	2.24	196.7	21.7	442	6.89	8.1
Site5	29 Dec 2022	7:40:00	colour= light brown, clarity = clear, depth=0.76	26.3	2.8	222.9	30.1	360	6.66	26.7
Site5	30 Dec 2022	7:25:00	colour= light green, clarity=clear, depth=0.8	25.6	3.2	288.5	38.2	266	6.42	17.5
Site5	31 Dec 2022	9:00:00	colour=light green, clairty=clear, depth=1.1	24.5	3.18	224.6	37	177	6.94	24.9
GS200	05 Dec 2022	10:45:00	Colour = clear, Depth = .29, Flow = trickle	30.8	3.43	216	46.2	1,329	6.63	2.7
GS200	12 Dec 2022	7:51:00	Colour = clear, Depth =1.29, Flow =very slow	29.2	2.57	235	33.4	1,396	5.92	5.4
GS200	19 Dec 2022	11:33:00	Depth =1.29, Flow = slow	30	5.95	196.5	81.5	1,511	6.85	15.3
GS200	24 Dec 2022	18:05:00	Colour=brown, Depth= 1.75,	27.4	3.21	219	41.7	243	6.43	54
GS200	24 Dec 2022	19:24:00	Colour=brown, Depth= 1.79,	27.1	3.01	189	38.1	227	7.25	13.4
GS200	26 Dec 2022	7:42:00	Colour= clear, Depth =1.51, Flow = med	29.1	2.67	182	34.6	458	7.64	16.9
SITE1	24 Dec 2022	19:10:00	colour=brown, depth=0.75	26.8	2.99	205	38.6	164	7.52	65
Site1	26 Dec 2022	7:26:00	Colour = slight disc, Depth = .5, Flow = low,	28	2.75	192	35.2	435	6.71	44.7
Site2	05 Dec 2022	10:10:00	Height =.94, Colour =clear,	32	2.39	212	31.9	622	7.93	7.6
Site2	12 Dec 2022	8:36:00	Height =.9, Colour =clear,	32.7	2.42	154	33.1	667	7.84	12.7
Site2	19 Dec 2022	11:53:00	Height =.89, Colour =clear,	33.8	6.46	127.1	95.1	407	7.44	8.6
SITE2	24 Dec 2022	20:10:00	colour=clear	27.9	2.77	182	35.8	489	7.34	13.4
Site2	26 Dec 2022	8:36:00	Height =1.04, Colour =clear,	29.9	2.42	156	31.4	490	7.62	11.7
SITE4	24 Dec 2022	19:41:00	colour=dirty, depth=0.1	27.2	2.25	205	28.5	44.7	6.37	48.4
Site4	26 Dec 2022	8:50:00	Colour = slight disc, Depth = .20, Flow = low	28.4	2.06	195	26.7	61.7	6.55	37.1
TREAT01	24 Dec 2022	20:35:00	colour=clear	27.5	3.53	94.6	44.6	419	9.58	7.2
TREAT01	26 Dec 2022	9:04:00	Treating, Colour = clear	29.7	3.2	77	41.8	450	9.65	5.1

The WDL trigger values for field parameters measured at Site 5 were in compliance during the discharge period. A pH of 6.42 was measured at Site 5 on 30 December 2022. We note the low pH at Site 4 on 24 and 26 December 2022 and suggest that the low pH measured at Site 5 on 30 December 2022 was associated with acid water flowing from upstream in Middlebrook Creek. This result does not meet the notifiable incident requirements specified in Conditions 23, 25 and 26 of the WDL.

The metals and inorganics concentrations for samples taken December 2022 are shown in Table 3. Note due to the Christmas shut down at the Eurofins Laboratory, laboratory sample data has not been provided to NTR upon submission of this monthly report. These data will be provided in the January 2023 monthly report.

Table 2 Laboratory results for December 2022

		Inorganics									Metals																									
		Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	5	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
WDL177-10 Trigger Levels										6		0.08		0.0004			0.006		0.013		0.0025				0.0066			2.5		0.013					0.015
WDL177-10 Triple Trigger Levels										18		0.24		0.0012			0.018		0.039		0.0075				0.0198			7.5		0.039					0.045
Field ID	**Date**																																			
GS 200	**05 Dec 2022**	41	<10	<20	41	5	12	580	650	<5	0.34	0.07	0.0044	0.0045	62	<0.001	<0.001	2.1	2	0.57	0.47	0.18	<0.05	0.003	<0.001	120	4.8	4.7	1.6	1.5	2.4	30	21	3.7	3.6
Site5	**05 Dec 2022**	290	<10	<20	290	6.4	24	45	220	<5	<0.05	<0.05	<0.0002	<0.0002	38	<0.001	<0.001	0.002	0.001	0.005	0.004	0.19	<0.05	<0.001	<0.001	31	0.17	0.11	0.004	0.004	0.9	7	<5	0.007	<0.005
GS 200	**12 Dec 2022**	<20	<10	<20	<20	4.7	12	670	710	6.6	0.69	0.44	0.006	0.0054	57	<0.001	<0.001	2.4	2.3	1.3	1.2	0.22	0.06	0.005	0.004	140	6.1	5.8	1.9	1.8	2.8	34	25	5.7	5.4
Site5	**12 Dec 2022**	400	<10	<20	400	3.5	30	18	260	<5	<0.05	<0.05	<0.0002	<0.0002	41	<0.001	<0.001	0.002	0.002	0.005	0.005	0.12	<0.05	<0.001	<0.001	38	0.14	0.097	0.004	0.003	1.2	9	6	<0.005	<0.005

Notes on sample data

1: Trigger Values only apply to Site 5 during discharge.

2: Laboratory samples were collected on 19 December 2022, 24 December 2022 at the commencement of discharge and on 26 December 2022 as per WDL177-10 requirements. There results have not yet been returned from the laboratory due to the Christmas lab shutdown.

3. We note that the water quality at GS200 is considerably worse that at Site 5, indicating that water quality from the discharge point was having negligible impact on the East Finnis River.

Licence condition 43 - *Flow data from DAMOUT1 at the flow meter.*

Flow meter readings at Site 2.

Discharge event between 24 December 2022 to 31 December 2022 with discharge volume 145,025 m^3.

Licence condition 3 - *Date, time and duration of each discharge event.*

Event 1

Start Date = 24 December 2022

Time start: 18:56 hrs

End Date = 31 December 2022

Time End: 16:51 hours

Duration of event: 6 days, 21 hours, 55 mins

Discharge volume: 145,025 m^3

Note that the December 2022 discharge event is continuing into January 2023.

Licence condition 43 - ***Summary of water inventory.***

The Site water inventory as follows:

Total water treated December 2022: **58.382ML**
Total water discharged December 2022: **145 ML**
Total water used for dust suppression for December 2022: **35 m^3**
Total rainfall for December 2022: **728.1 mm**

Pond name	Gauge height (1/12/2022)	Gauge height (31/12/2022)
Sed dam	0.85	0.91
Pit level	54.80	56.31
BSS	0.67	1.95
PAF	0.67	2.00
SP3	0.70	3.08
SRO	0.40	1.76

Discharge events
A measured flow total of 145ML of water was discharged during 24-31 December 2022.

Licence condition 43 - ***A summary of any trigger value exceedances for the month.***

Discharge was occurring from Site 5 between 24 December 2022 and 31 December 2022. No non-conformances with the Trigger Levels at Site 5 (ie whilst discharging) were recorded for field and laboratory parameters, except a pH of 6.4 on 30 December 2022. See commentary on turbidity in the

site management section below. As such, discharges at Site 5 complied with the discharge criteria specified in WDL177-9 & 10 for field and laboratory parameters.

Licence condition 43 -	***Water quality management actions taken in the event of an exceedance.***

In accordance with Condition 21 of WDL177-9 &10, there were no instances of non-compliance with WDL177-10 during December 2022.

Since 21 December 2022, the site has received a well above average amount of rain. This is not a normal wet season. The site has received in excess of **680mm** of rain, compared to an annual average of **1200mm**. <u>This is more than half of the annual wet season rainfall, falling in just over one week.</u>

This has caused the following issues which we are currently working on;

- All stockpile bunds are full – Water treatment plant is running at capacity to lower the bund levels.
- Diversion channel – in some places the culvert pipes are not large enough to carry the volume of water and need upgrading. This should be completed next dry season.
- Sedimentation dam - NTR commenced discharging Saturday 24 December. The Sedimentation dam is at 0.91m (and well below the overflow of 1.75m).
- Turbid water entering the NTR site from various locations outside of the mine site.

Photographs of Site 4 (Upstream) and Site 5 (compliance point) are shown below for 31 December 2022. It is estimated that > 90% of the flow at Site 5 is coming from Site 4 (Middlebrook Creek). Both photos show turbid water at the monitoring sites as would be expected in such high flow circumstances.

	
Site 4	**Site 5**

On 24 and 26 December 2022, turbidity measured at Site 4 for was 48.4 and 37.1 NTU, respectively. The turbidity at Site 4 is considerably higher that at Site 5 for the corresponding period.

Turbidity was not measured at Site 4 on a daily basis during Site 5 discharge due to staff concentrating on extreme weather event management, water treatment and Site 5 discharge water quality monitoring.

As such, Note 5 of the WDL177-10 Appendix 2 Monitoring Program could not be determined for some dates, however visual/photographic evidence indicated that high turbidity was present in Middlebrook Creek upstream of Site 5 during the period.

As discussed in the development of WDL177-10, the addition of the turbidity concentration limit at Site 5 is problematic during wet weather conditions where NTR has no or limited capacity or capability to manage turbid inflows into the site and/or discharge via Site 5 into an already high flow, turbid waterway. As requested in the development of WDL1771-0, we suggest that the turbidity concentration limit at Site 5 be removed.

Please contact me on +61 437 690 958 or greg.molloy@ntresources.com.au if you require any further information.

Kind Regards



Greg Molloy

General Manager

Northern Territories Resources Pty Ltd

Our Ref: NTR-ENV-LET-101
7 February 2023

NT Environmental Protection Authority
Environmental Authorisations
c/-Julia Schult
Email: waste@nt.gov.au

Dear Julia

WDL 177-10 – January 2023 Monthly Discharge Report as per Licence Condition 43

In accordance with WDL 177-10 condition 43, Northern Territories Resources Pty Ltd (NTR) submits the Monthly Discharge report for January 2023.

Relevant water quality parameters and metal concentrations were recorded during the period of discharge (see Tables 1 & 2)

Licence condition 43 - *Water quality data.*

Field water quality measurements were taken from the respective monitoring and compliance sites according to the requirements of Appendix 2 of the WDL once discharge commenced and/or there was flow at the monitoring sites.

The field monitoring results measured during January 2023 are shown in Table 1.

Table 1 Field monitoring results for January 2023

During discharge
Immediately before discharge

				Field						Inorganics
				Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
				oC	mg/L	mV	%	µS/cm	-	NTU
WDL177-09 & 10 Trigger Values								700	6.5-8.5	
Field ID	Date	Time	Sample Comments	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
GS200	03 Jan 2023	8:16:00	depth=1.9, colour=clear, flow=high	26	3.36	186	41.9	170	6.52	14.2
GS200	09 Jan 2023	9:30:00	depth=1.63, colour=clear, flow=med	28.5	3.14	176	40.5	172	6.89	10.4
GS200	19 Jan 2023	8:59:00	depth=1.65, colour=cloudy/brownish, flow=strong	28.55	7.58	136.1	99.98	160	6.86	10.8
GS200	24 Jan 2023	8:46:00	depth=1.84, colour= brown, flow= good	28.9	7.57	174.4	100.2	125	7.01	0
GS200	30 Jan 2023	9:21:00	depth=1.62, colour= brown, flow= good	28.5	7.69	147	100.6	128	6.89	3
SITE1	03 Jan 2023	7:59:00	colour=slightly disc, flow=med, depth=0.5	25.8	3.63	239	42.5	124	5.7	19.4
SITE1	09 Jan 2023	9:15:00	colour=clear, flow=med, depth=0.3	28.6	4.02	209	51	215	6.91	7.4
SITE1	19 Jan 2023	8:35:00	colour=slighty cloudy, flow=med, depth=0.2	28.53	7.86	116.2	102.8	198	6.48	13.2
SITE1	24 Jan 2023	8:27:00	colour= clear, flow=moderate, depth=0.2	28.1	8.06	185.8	105.5	158	6.8	0
SITE1	30 Jan 2023	9:03:00	colour= clear, flow=low, depth=0.2	27.9	7.93	156.6	102.4	165	6.47	19
SITE2	03 Jan 2023	9:07:00	dam gauge ht = 0.56, colour =slightly disc	26.5	3.34	170	42.4	272	7.04	16.6
SITE2	09 Jan 2023	10:15:00	dam gauge ht = 0.25, colour =	30.8	4.36	160	60	300	7.86	9.4
SITE2	19 Jan 2023	11:03:00	dam gauge ht = 0.28, colour =brown	28.98	7.22	132.9	96.1	2	7	22.3
SITE2	24 Jan 2023	9:27:00	dam gauge ht = 0.25, colour =brown	29.5	7.39	100.6	99	210	7.25	0
SITE2	30 Jan 2023	10:11:00	dam gauge ht = 0.25, colour =brown	30.6	6.57	111.8	89.3	358	7.24	5.3
Site4	03 Jan 2023	9:23:00	Colour=clear, Flow= med, Depth= .150	26.5	3.32	180	41.7	24	6.66	8.7
Site4	04 Jan 2023	4:55:00	Colour=clear, Clarity = clear, Flow= med, Depth= .2	28.2	2.91	217	37.9	30.5	6.7	5.8
Site4	05 Jan 2023	6:50:00	Colour=clear, Flow= med, Depth= .2	25.7	2.72	230	34.6	33.6	6.51	5.5
Site4	06 Jan 2023	7:04:00	Colour=clear, Flow= med, Depth= .2	26	3.29	226	40.1	44.6	6.77	4.4
Site4	07 Jan 2023	9:46:00	Colour=clear, Flow= med, Depth= .2	28.6	3.32	140.8	42.9	44	6.73	6.5
Site4	08 Jan 2023	9:24:00	Colour=, Flow= , Depth=	28.7	2.21	140	32.3	41	6.81	8.4
Site4	09 Jan 2023	10:27:00	Colour = clear, flow = medium, depth = 0.15	29.6	3.34	173	44.1	20.8	7.03	6.3
Site4	10 Jan 2023	6:45:00	Colour = clear, flow = medium, depth = 0.150	26.1	3.22	197	39.5	24.4	5.93	8.2
Site4	11 Jan 2023	6:42:00	Colour = clear, flow = medium, depth = 0.150	26.6	2.72	256	34.4	35	6.29	7.1
Site4	12 Jan 2023	6:40:00	Colour = clear, Clarity = clear, flow = low, depth = 0.1	26.5	2.57	201.3	32.3	72.3	6.11	6
Site4	13 Jan 2023	7:31:00	Colour = clear, Clarity = good, flow = med, depth = 0.01	26.6	2.29	234.4	27.3	95.7	6.01	8.5
Site4	14 Jan 2023	7:15:00	Colour = clean, Clarity =clear, flow = med, depth = 0.15	27.1	1.92	228.5	31.5	24.6	6.3	5.9
Site4	15 Jan 2023	12:30:00	Colour = clear, Clarity =clean, flow = med, depth = 0.2	32.1	3.22	231.3	44.6	23.71	6.35	4.8
Site4	16 Jan 2023	7:25:00	Colour = clear, Clarity =clean, flow = med, depth = 0.01	27.5	2.26	244.7	29.1	22.65	6.6	3.4
Site4	17 Jan 2023	7:15:00	Colour = clear, Clarity =clean, flow = med, depth = 0.01	26.6	2.32	222.1	28.7	40.3	6.28	2.7
Site4	18 Jan 2023	6:39:00	Colour = clear, flow = low - medium, depth = 0.1	27	2.49	255	31	39	6.09	3.3
Site4	19 Jan 2023	6:53:00	Colour = clear, flow = low - medium, depth = 0.1	26	2.7	281	33.6	35.1	6.13	2.9
Site4	20 Jan 2023	7:32:00	Colour = clear, Clarity = clear, flow = low-med , depth = .1	26.3	3.31	280	42.3	20.63	6.55	2.7
Site4	21 Jan 2023	11:38:00	Colour = clear, Clarity = clear, flow = low , depth = .1	31.7	3.9	192.2	53.7	18.7	6.9	2.4
Site4	22 Jan 2023	8:35:00	Colour = clear, Clarity = good, flow = good , depth = .15	27.4	3.43	200	44.5	23.9	6.95	6.4
Site4	23 Jan 2023	7:25:00	Colour = clear, flow = low - medium, depth = 0.1	27.7	2.86	273	35.8	74.3	6.36	5.7
Site4	24 Jan 2023	6:52:00	Colour = clear, flow = low - medium, depth = 0.1	26.8	2.76	246	34.7	86.3	6.17	3.5
Site4	25 Jan 2023	7:09:00	Colour = clear, flow = medium, depth = 0.1	27.8	3.54	170	44.3	45.7	6.16	5.1
Site4	26 Jan 2023	8:01:00	Colour = clear, Clarity = good, flow = medium, depth = 0.15	28	2.74	206.3	34.4	27	6.4	6.3
Site4	27 Jan 2023	7:24:00	Colour = transparent, Clarity = clear, flow = good-fast, depth = 0.15	27.6	2.81	218.1	35.5	32.1	6.38	7
Site4	28 Jan 2023	10:48:00	Colour = clear, Clarity = crystal, flow = medium, depth = .15	31.1	3.74	186.8	49.7	45.5	6.31	4.7
Site4	29 Jan 2023	10:05:00	Colour = crystal, Clarity = clear, flow = good-medium, depth = .2	28.2	3.36	329	42.6	58.9	6.87	9.6
Site4	30 Jan 2023	7:35:00	Colour = clear, flow = low-medium, depth = 0.1	27.7	3.07	244	38.3	42.1	6.88	5
Site4	31 Jan 2023	7:13:00	Colour = clear, flow = low-medium, depth = 0.1	29	2.59	234	32.3	45.2	7.44	4.8
SITE4	03 Jan 2023	9:23:00	colour=clear, flow=med, depth=0.15	26.5	3.32	180	41.7	24	6.66	8.7
Site5	1/01/2023	7:15:00	Colour = clear, flow = high, depth = 0.65	25.5	2.29	210	36.9	152	7.16	12.5
Site5	2/01/2023	7:13:00	Colour=clear,Clarity = clear, Flow= high, Depth= 1.62	25.9	2.67	196.7	38.3	174.7	6.77	10
Site5	3/01/2023	8:40:00	Colour = clear, flow = high, depth = 0.6	25.9	2.27	170	22.9	156	6.87	8.2
Site5	4/01/2023	4:39:00	Colour = slightly cloudy, flow = strong, depth = 0.58	275	2.31	227	29.7	163.4	6.7	5.9
Site5	5/01/2023	7:20:00	Colour = clear, flow = medium, depth = 0.5	26.1	1.77	181.9	22.3	121.2	6.91	4.5
Site5	6/01/2023	7:15:00	Colour = clear, flow = medium, depth = 0.56	26.2	2.29	231	28.3	108	7.07	7.1
Site5	7/01/2023	10:06:00	Colour = clear, flow = medium, depth = 0.51	27.5	2.36	121.2	30.6	153.6	6.78	4.2
Site5	8/01/2023	9:42:00	Colour = clear, flow = medium, depth = 0.52	27.9	2.32	139.9	30.2	241	6.82	5.1
Site5	9/01/2023	8:38:00	Colour = clear, flow = medium, depth = 0.46	27.5	1.72	186	22.3	152	6.88	4.8
Site5	10/01/2023	6:57:00	Colour = clear, flow = medium, depth = 0.45	27.1	1.96	162	25	161	6.86	6
Site5	11/01/2023	6:54:00	Colour = clear, flow = medium, depth = 0.44	27	1.92	199	24.6	166	6.67	6.1
Site5	12/01/2023	6:56:00	Colour = clear, flow = good, depth = 0.42	27.6	1.72	302.5	25.9	168.7	7.05	5.8
Site5	13/01/2023	7:51:00	Colour = clear, Clarity = good, flow = med - fast, depth = 0.46	27.9	1.69	219.6	21.8	178.5	6.65	5
Site5	14/01/2023	7:00:00	Colour = clean, Clarity = clear, flow = med , depth = 0.45	28.3	1.81	28.3	24.2	250	6.69	4
Site5	15/01/2023	12:15:00	Colour = clear, Clarity = clean, flow = med , depth = 1.62	30.1	2.11	234.5	35.2	214	6.77	8.2
Site5	16/01/2023	7:10:00	Colour = clear, Clarity =clean, flow = med, depth = 0.56	28.2	1.61	217.5	21.4	220	7.22	3.4
Site5	17/01/2023	7:25:00	Colour = clear, Clarity =clean, flow = med, depth = 0.47	27.6	1.82	205	23.2	164	6.71	2.1
Site5	18/01/2023	6:55:00	Colour = clear, flow = medium, depth = 0.46	27.9	1.72	208	22.3	159	6.68	2
Site5	19/01/2023	7:08:00	Colour = clear, flow = low - medium, depth = 0.46	27.5	2	249	26.3	177	6.7	2.2
Site5	20/01/2023	7:11:00	Colour = clear, Clarity = clear, flow = low-med , depth = 1.48	26.9	3.55	243.1	42.8	172	6.82	2.4
Site5	21/01/2023	11:15:00	Colour = clear, Clarity = clear, flow = low-med , depth = .47	28.8	3.47	194.4	45.9	211.3	6.85	1.9
Site5	22/01/2023	8:15:00	Colour = clear, Clarity = good, flow = good , depth = .53	27.1	2.26	182.9	28.5	144.8	7.44	10.7
Site5	23/01/2023	7:39:00	Colour = clear, flow = medium, depth = 0.48	28.7	1.92	203	25.2	173.6	6.8	4.4
Site5	24/01/2023	7:39:00	Colour = clear, flow = medium, depth = 0.46	27.9	1.68	200	21.4	193	6.81	2.9
Site5	25/01/2023	7:24:00	Colour = clear, flow = medium, depth = 0.46	28.8	2.29	169	29	176	6.76	4.3
Site5	26/01/2023	8:22:00	Colour = murky, Clarity = poor, flow = fair - good, depth = 0.46	29.1	251	160.3	32.2	180.7	7.12	5.6
Site5	27/01/2023	7:44:00	Colour = murky, flow = medium, depth = 0.45	28.6	2.21	157.9	28.2	174.6	6.85	5.6
Site5	28/01/2023	11:04:00	Colour = clear, Clarity = crystal, flow = good , depth = .46	31.5	2.22	129.3	37.9	201.1	6.82	3.1
Site5	29/01/2023	10:27:00	Colour = clear, Clarity = good, flow = med-fast, depth = .47	29	2.29	360.7	29.5	188.8	6.27	6.1
Site5	30/01/2023	7:46:00	Colour = clear, flow = medium, depth = 0.46	28.5	2.3	213	29.2	182	7.12	3.9
Site5	31/01/2023	7:24:00	Colour = clear, flow = low/medium, depth = 0.46	30.2	1.95	184	25	258	7.38	2.6
TREAT01	03 Jan 2023	9:45:00	colour=clear, treating	26.4	4.07	38.7	50.4	205	10.1	3.5
TREAT01	09 Jan 2023	10:48:00	treating	30	3.89	69	52.7	345	9.35	2.3
TREAT01	19 Jan 2023	11:28:00	treating, Colour=clear	29.3	8.01	19.4	107	212	7.96	7.6
TREAT01	24 Jan 2023	10:02:00	treating, Colour=clear	30.13	8.01	54	108.5	325	7.93	0
TREAT01	30 Jan 2023	10:39:00	treating, Colour=clear	30.3	7.8	50.2	105.5	374	7.93	4.7

The WDL trigger values for field parameters measured at Site 5 were in compliance during the discharge period. A pH of 6.29 was measured at Site 5 on 29 January 2023. We note the low pH at Site 4 during most of January 2023 was less than pH 6.5 or approximately 0.5 of a pH unit lower than measured at Site 5, indicating that acid water was flowing from upstream in Middlebrook Creek. This result does not meet the notifiable incident requirements specified in Conditions 23, 25 and 26 of the WDL.

The metals and inorganics concentrations for samples taken January 2023 are shown in Table 3. Note laboratory sample data has not been provided to NTR for samples collected on 30 January upon submission of this monthly report. These data will be provided in the February 2023 monthly report.

Table 2 Laboratory results for January 2023

		Inorganics									Metals																									
Discharging		Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	5	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
WDL177-10 Trigger Levels										6		0.08		0.0004			0.006		0.013		0.0025				0.0066			2.5		0.013					0.015
WDL177-10 Triple Trigger Levels										18		0.24		0.0012			0.018		0.039		0.0075				0.0198			7.5		0.039					0.045
Field ID	**Date**																																			
GS 200	**19 Dec 2022**	110	<10	<20	110	4.2	14	750	720	14	0.78	0.06	0.0046	0.0045	67	<0.001	<0.001	2	2.1	0.47	0.32	0.32	<0.05	0.005	<0.001	130	4.8	4.9	1.7	1.6	2.6	32	24	3.5	3.4
Site 2	**19 Dec 2022**	87	<10	<20	87	3.7	7.2	230	230	7.9	<0.05	<0.05	<0.0002	<0.0002	29	<0.001	<0.001	0.003	<0.001	0.012	0.006	<0.05	<0.05	0.004	<0.001	39	0.088	0.016	0.005	0.004	1.5	<5	<5	0.008	<0.005
Site 5	**19 Dec 2022**	310	13	<20	330	6.6	26	89	230	8.4	<0.05	<0.05	<0.0002	<0.0002	39	<0.001	<0.001	0.003	0.002	0.008	0.006	0.21	<0.05	<0.001	<0.001	33	0.095	0.044	0.005	0.005	1.7	8	6	0.007	0.007
Site5	**19 Dec 2022**	210	26	<20	240	6.1	25	85	220	7.7	<0.05	<0.05	<0.0002	<0.0002	37	<0.001	<0.001	0.005	0.002	0.009	0.007	0.3	<0.05	<0.001	<0.001	32	0.25	0.044	0.005	0.005	1.7	8	6	0.008	0.007
GS200	**24 Dec 2022**	26	<10	<20	26	1.4	2.6	74	76	26	0.97	0.06	<0.0002	<0.0002	6.2	<0.001	<0.001	0.069	0.06	0.1	0.049	1.1	0.07	0.004	<0.001	15	0.3	0.22	0.058	0.056	1.9	6	<5	0.058	0.052
GS200 A - 1hr before discharge	**24 Dec 2022**	52	<10	<20	52	<1	2.7	86	88	24	0.81	<0.05	0.0002	<0.0002	8.1	<0.001	<0.001	0.083	0.082	0.12	0.049	1	0.06	0.004	<0.001	17	0.39	0.39	0.068	0.068	1.9	7	<5	0.063	0.059
SITE 1	**24 Dec 2022**	230	<10	<20	230	<1	1.9	55	59	32	1.1	0.05	<0.0002	<0.0002	5.1	<0.001	<0.001	0.066	0.065	0.1	0.047	1.1	0.07	0.004	<0.001	11	0.3	0.2	0.051	0.051	1.9	6	<5	0.041	0.036
SITE2	**24 Dec 2022**	78	<10	<20	78	4.5	6.9	200	210	<5	<0.05	<0.05	<0.0002	<0.0002	25	<0.001	0.002	0.004	0.001	0.014	0.008	0.12	0.07	0.009	<0.001	37	0.069	0.038	0.006	0.005	1.8	<5	<5	0.007	0.007
SITE 4	**24 Dec 2022**	24	<10	<20	24	3.3	2.2	<5	5.5	5.2	1.1	0.31	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.39	0.1	0.001	<0.001	1.1	0.01	0.008	<0.001	<0.001	2.1	<5	<5	<0.005	<0.005
SITE 5	**24 Dec 2022**	40	<10	<20	40	2.5	6.2	51	56	5.6	0.32	<0.05	<0.0002	<0.0002	7.3	<0.001	<0.001	0.004	0.003	0.009	0.005	0.58	0.13	0.003	<0.001	9.3	0.091	0.083	0.004	0.004	1.6	<5	<5	0.01	0.009
SITE 5	**24 Dec 2022**	340	<10	<20	340	2.6	6.2	52	56	10	0.48	<0.05	<0.0002	<0.0002	7.3	0.001	0.001	0.004	0.003	0.009	0.006	0.73	0.23	0.004	<0.001	9.2	0.091	0.082	0.004	0.004	1.7	<5	<5	0.01	0.01
SITE 5 A - 1 hr before discharge	**24 Dec 2022**	53	<10	<20	53	1.9	6.7	51	63	6.5	0.39	<0.05	<0.0002	<0.0002	8.2	0.005	<0.001	0.003	0.003	0.009	0.006	0.78	0.15	0.003	<0.001	10	0.071	0.071	0.005	0.004	1.3	<5	<5	0.012	0.011
TREAT01	**24 Dec 2022**	110	<10	<20	110	1.9	3.6	160	170	<5	<0.05	<0.05	<0.0002	<0.0002	25	0.001	0.001	0.02	0.002	0.19	0.007	<0.05	<0.05	0.01	0.005	26	0.015	<0.005	0.013	0.002	1.5	<5	<5	0.007	<0.005
GS200	**26 Dec 2022**	46	<10	<20	46	2.8	5.3	190	180	10	0.34	0.05	0.0003	0.0003	19	<0.001	<0.001	0.078	0.063	0.11	0.061	0.42	<0.05	0.002	<0.001	33	0.32	0.32	0.071	0.072	1.8	5	<5	0.11	0.11
SITE 1	**26 Dec 2022**	47	<10	<20	47	2.1	2.6	200	170	19	1.3	0.05	0.0007	0.0007	13	<0.001	<0.001	0.22	0.21	0.29	0.15	0.97	0.08	0.003	<0.001	34	0.9	0.8	0.17	0.16	2.3	12	5	0.24	0.24
SITE 2	**26 Dec 2022**	110	<10	<20	110	4.7	6.5	190	190	<5	<0.05	<0.05	<0.0002	<0.0002	21	<0.001	<0.001	0.003	<0.001	0.012	0.007	0.09	<0.05	0.005	<0.001	34	0.067	0.037	0.005	0.005	1.7	<5	<5	0.009	0.006
SITE 4	**26 Dec 2022**	65	<10	<20	65	49	3	34	9.7	6.6	0.5	0.15	<0.0002	<0.0002	0.7	<0.001	<0.001	<0.001	<0.001	0.003	0.002	0.28	0.14	0.001	<0.001	1.9	0.022	0.021	<0.001	<0.001	2.5	<5	<5	0.006	0.005
SITE 5	**26 Dec 2022**	85	<10	<20	85	6.8	6.3	180	180	6.1	<0.05	<0.05	<0.0002	<0.0002	23	<0.001	<0.001	0.002	0.002	0.007	0.005	0.12	<0.05	0.001	<0.001	31	0.055	0.061	0.003	0.002	1.5	<5	<5	0.005	<0.005
SITE 5	**26 Dec 2022**	110	<10	<20	110	3.1	7	180	200	6.2	<0.05	<0.05	<0.0002	<0.0002	25	<0.001	<0.001	0.002	0.002	0.007	0.005	0.12	<0.05	0.001	<0.001	34	0.057	0.056	0.004	0.004	1.7	<5	<5	0.005	<0.005
TREAT 01	**26 Dec 2022**	140	<10	<20	140	2.1	3.4	200	190	12	<0.05	<0.05	<0.0002	<0.0002	37	0.001	<0.001	0.022	0.002	0.21	0.006	<0.05	<0.05	0.011	0.006	23	0.017	<0.005	0.014	0.002	1.4	<5	<5	0.007	<0.005
GS200	**03 Jan 2022**	48	<10	<20	48	<1	2.7	69	65	<5	0.23	<0.05	<0.0002	<0.0002	6.6	<0.001	<0.001	0.025	0.025	0.06	0.039	0.26	<0.05	0.001	<0.001	12	0.19	0.18	0.027	0.027	1.1	<5	<5	0.03	0.029
SITE1	**03 Jan 2022**	68	<10	<20	68	<1	2.2	42	42	21	1.7	0.13	<0.0002	<0.0002	3.7	<0.001	<0.001	0.037	0.037	0.21	0.16	0.28	<0.05	0.002	<0.001	7.9	0.12	0.11	0.041	0.041	1.4	<5	<5	0.041	0.038
SITE2	**03 Jan 2022**	72	<10	<20	72	1.2	3.8	99	110	<5	<0.05	<0.05	<0.0002	<0.0002	14	<0.001	<0.001	0.006	0.002	0.019	0.005	0.12	<0.05	0.012	<0.001	19	0.1	0.07	0.007	0.006	0.9	<5	<5	0.019	0.007
SITE4	**03 Jan 2022**	62	<10	<20	62	<1	1.8	12	<5	<5	0.14	0.08	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.1	0.05	<0.001	<0.001	0.5	0.009	0.008	<0.001	<0.001	1.1	<5	<5	<0.005	<0.005
SITE5	**03 Jan 2022**	37	<10	<20	37	2.1	3.2	50	60	<5	0.12	<0.05	<0.0002	<0.0002	7.4	<0.001	<0.001	<0.001	<0.001	0.004	0.002	0.21	<0.05	0.002	<0.001	10	0.015	0.013	0.002	0.002	0.9	<5	<5	0.007	<0.005
SITE5	**03 Jan 2022**	43	<10	<20	43	<1	3.1	63	60	<5	0.08	<0.05	<0.0002	<0.0002	7.6	<0.001	<0.001	<0.001	<0.001	0.004	0.002	0.15	<0.05	0.001	<0.001	10	0.013	0.012	0.002	0.001	0.9	<5	<5	<0.005	<0.005
TREAT1	**03 Jan 2022**	<20	13	<20	<20	<1	1.3	64	70	<5	0.29	0.24	<0.0002	<0.0002	24	<0.001	0.002	0.03	0.001	0.2	0.007	<0.05	<0.05	0.057	0.036	2.4	0.029	<0.005	0.021	0.006	<0.5	<5	<5	0.05	0.012
GS 200	**09 Jan 2023**	<20	<10	<20	<20	1.8	3.4	62	66	<5	0.28	<0.05	<0.0002	<0.0002	5.9	<0.001	<0.001	0.046	0.045	0.12	0.065	0.4	<0.05	0.001	<0.001	13	0.21	0.21	0.043	0.041	1.8	<5	<5	0.055	0.052
SITE 1	**09 Jan 2023**	24	<10	<20	24	<1	2.9	89	84	<5	0.45	<0.05	0.0003	0.0002	5.9	<0.001	<0.001	0.079	0.075	0.26	0.14	0.42	<0.05	0.001	<0.001	17	0.21	0.2	0.066	0.063	1.2	6	<5	0.1	0.089
SITE 2	**09 Jan 2023**	37	<10	<20	37	1.7	4.5	110	110	<5	<0.05	<0.05	<0.0002	<0.0002	15	<0.001	0.004	0.011	0.006	0.024	0.005	0.12	0.12	0.012	<0.001	18	0.22	0.19	0.011	0.01	1.2	<5	<5	0.017	0.009
SITE 4	**09 Jan 2023**	99	<10	<20	99	5.2	2	9	<5	<5	0.1	0.06	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.002	0.002	0.15	0.07	<0.001	<0.001	0.5	0.011	0.01	<0.001	<0.001	0.9	<5	<5	<0.005	<0.005
SITE 5	**09 Jan 2023**	24	<10	<20	24	4.1	3.9	44	55	<5	0.06	<0.05	<0.0002	<0.0002	7.2	<0.001	<0.001	0.001	<0.001	0.005	0.004	0.29	0.08	<0.001	<0.001	9	0.027	0.024	0.002	0.001	1.1	<5	<5	0.006	0.005
SITE 5	**09 Jan 2023**	28	<10	<20	28	3.6	3.8	42	54	<5	0.07	<0.05	<0.0002	<0.0002	7	<0.001	<0.001	0.001	0.001	0.005	0.004	0.28	0.08	<0.001	<0.001	8.8	0.032	0.025	0.002	0.002	1.2	<5	<5	0.005	<0.005
TREAT 01	**09 Jan 2023**	71	<10	<20	73	2.3	3.7	140	150	<5	0.07	<0.05	<0.0002	<0.0002	22	0.001	<0.001	0.029	0.001	0.2	0.004	<0.05	<0.05	0.028	0.006	23	0.031	<0.005	0.023	0.002	1.2	<5	<5	0.035	<0.005
GS 200	**16 Jan 2023**	<20	<10	<20	<20	7.8	2.6	55	60	<5	0.41	<0.05	<0.0002	<0.0002	5.7	0.002	0.003	0.052	0.051	0.15	0.079	0.58	0.06	0.004	<0.001	11	0.2	0.2	0.05	0.049	0.8	7	<5	0.06	0.054
SITE 1	**16 Jan 2023**	<20	<10	<20	<20	1.6	2.3	56	65	<5	0.42	0.07	<0.0002	<0.0002	5.2	<0.001	<0.001	0.067	0.066	0.35	0.19	0.48	<0.05	0.003	<0.001	13	0.16	0.15	0.057	0.056	0.7	5	<5	0.068	0.061
SITE 2	**16 Jan 2023**	<20	<10	<20	<20	30	3.3	94	120	<5	0.05	<0.05	<0.0002	<0.0002	18	<0.001	<0.001	0.023	0.012	0.049	0.004	0.21	<0.05	0.025	<0.001	18	0.47	0.42	0.018	0.013	0.7	<5	<5	0.02	0.008
SITE 4	**16 Jan 2023**	50	<10	<20	50	34	1.9	<5	<5	<5	0.11	0.06	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.002	0.001	0.18	0.09	<0.001	<0.001	0.5	0.01	0.007	<0.001	<0.001	0.8	<5	<5	<0.005	<0.005
SITE 5	**16 Jan 2023**	<20	<10	<20	<20	2	2.8	43	52	<5	0.07	<0.05	<0.0002	<0.0002	7.2	<0.001	<0.001	0.001	<0.001	0.004	0.002	0.43	0.08	0.001	<0.001	8.3	0.031	0.023	0.002	0.001	0.7	<5	<5	<0.005	<0.005
SITE5	**16 Jan 2023**	<20	<10	<20	<20	100	2.9	57	55	<5	0.09	<0.05	<0.0002	<0.0002	7.7	<0.001	<0.001	0.001	<0.001	0.004	0.002	0.44	0.07	0.001	<0.001	8.6	0.031	0.023	0.001	0.001	0.7	<5	<5	<0.005	<0.005
TREAT01	**16 Jan 2023**	<20	<10	<20	<20	4	2.8	94	130	16	<0.05	<0.05	<0.0002	<0.0002	16	<0.001	<0.001	0.009	<0.001	0.021	0.003	0.07	<0.05	0.014	0.002	23	0.046	<0.005	0.008	0.002	0.8	<5	<5	0.025	<0.005
GS200	**24 Jan 2023**	55	<10	<20	55	<1	2.6	46	50	<5	0.19	<0.05	<0.0002	<0.0002	4.8	<0.001	<0.001	0.039	0.031	0.069	0.041	0.37	<0.05	<0.001	<0.001	9.3	0.16	0.15	0.035	0.034	0.8	<5	<5	0.047	0.046
Site1	**24 Jan 2023**	25	<10	<20	25	<1	2.4	56	59	<5	0.23	0.06	<0.0002	<0.0002	4.6	<0.001	<0.001	0.044	0.042	0.1	0.068	0.29	<0.05	<0.001	<0.001	11	0.12	0.11	0.039	0.037	0.7	<5	<5	0.056	0.054
Site2	**24 Jan 2023**	64	<10	<20	64	1.3	3.4	98	120	<5	<0.05	<0.05	<0.0002	<0.0002	17	<0.001	<0.001	0.013	0.007	0.026	0.005	0.11	<0.05	0.014	<0.001	19	0.28	0.24	0.013	0.011	0.7	<5	<5	0.019	0.008
Site4	**24 Jan 2023**	68	<10	<20	68	<1	2	<5	<5	<5	0.08	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.16	0.07	<0.001	<0.001	0.6	0.007	0.007	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
Site5	**24 Jan 2023**	39	<10	<20	39	<1	3.1	45	61	<5	0.05	<0.05	<0.0002	<0.0002	8.3	<0.001	<0.001	<0.001	<0.001	0.004	0.003	0.29	<0.05	<0.001	<0.001	9.8	0.022	0.022	0.001	0.001	0.6	<5	<5	<0.005	<0.005
DPSite5	**24 Jan 2023**	32	<10	<20	32	<1	2.9	45	56	<5	<0.05	<0.05	<0.0002	<0.0002	7.7	<0.001	<0.001	<0.001	<0.001	0.003	0.003	0.27	<0.05	<0.001	<0.001	9.1	0.022	0.022	0.001	0.001	0.6	<5	<5	<0.005	<0.005
Treat01	**24 Jan 2023**	140	<10	<20	140	1.8	3	110	140	<5	0.08	<0.05	<0.0002	<0.0002	21	<0.001	<0.001	0.036	0.002	0.25	0.008	<0.05	<0.05	0.046	0.016	22	0.047	<0.005	0.028	0.003	0.8	<5	<5	0.2	0.006

One of two samples taken at Site 5 on 24 December 2022 exceeded the Total Suspended Solids (TSS) Trigger Value. Both TSS samples taken at Site 5 on 26 December 2022 exceeded the TSS Trigger Value, although TSS at Site 4 was higher at the time of sampling indicating that sediment laden water was present upstream of the compliance monitoring point. No non-compliance for TSS at Site 5 on the 26 December 2022 is recorded as per Note 5 in Table 2 of the WDL177-10.

Filtered copper exceeded the trigger value (but not the triple trigger value) for Site 5 on 24 and 26 December, 9 and 24 January 2023. We note the filtered copper concentration measured at Site 5 one hour before the commencement of discharge also exceeds the trigger value. These exceedances of the trigger values for copper (filtered) did not breach the three consecutive sampling occasions that trigger the notifiable incident provisions specified in Item 10 of the WDL.

Notes on sample data

1: Trigger Values only apply to Site 5 during discharge.
2: Laboratory samples were collected on 30 January 2023 as per WDL177-10 requirements. There results have not yet been returned from the laboratory. These will be reported in the next monthly discharge report.
3. We note that the water quality at GS200 and Site 1 is considerably worse that at Site 5, indicating that water quality from the discharge point was having negligible impact on the East Finnis River.

Licence condition 43 - Flow data from DAMOUT1 at the flow meter.

Flow meter readings at Site 2.

Discharge event between 1 January 2023 to 31 January 2023 with discharge volume 287,614 m^3.

Licence condition 3 - Date, time and duration of each discharge event.

Event 1

Start Date = 31 December 2022

Time start: 16:51 hrs

End Date = 31 January 2023

Time End: 14:51 hours

Duration of event: 30 days, 22 hours, 00 mins

Discharge volume: 287,614 m^3

Note that the January 2023 discharge event is continuing into February 2023.

Licence condition 43 - Summary of water inventory.

The Site water inventory as follows:

Total water treated January 2023: **152.329 ML**
Total water discharged January 2023: **288 ML**
Total water used for dust suppression for January 2023: **12 m^3**
Total rainfall for January 2023: **336.1 mm**

Pond name	Gauge height (31/12/2022)	Gauge height (31/1/2023)
Sed dam	0.91	0.28
Pit level	56.31	56.52
BSS	1.95	0.22
PAF	2.00	0.3
SP3	3.08	0.59
SRO	1.76	0.95

Discharge events
A measured flow total of 288ML of water was discharged during 1-31 January 2023.

Licence condition 43 - A summary of any trigger value exceedances for the month.

Discharge was occurring from Site 5 between 1-31 January 2023.

Site 5 exceeded the trigger value for filtered copper on 24 and 26 December, 9 and 24 January 2023. We note that filtered copper concentrations measured at Site 1 (upstream of the discharge point) and at GS200 (immediately downstream of the discharge point) had considerably higher concentrations of dissolved copper and also cobalt, nickel and zinc, indicating that significant metal contamination of the East Finnis River is emanating from upstream.

One of two samples taken at Site 5 on 24 December 2022 exceeded the TSS Trigger Value. Both TSS samples taken at Site 5 on 26 December 2022 exceeded the TSS Trigger Value, although TSS at Site 4 was higher at the time of sampling indicating that sediment laden water was present upstream of the compliance monitoring point. No non-compliance for TSS at Site 5 on the 26 December 2022 is recorded as per Note 5 in Table 2 of the WDL177-10.

A pH of 6.27 was measured at Site 5 on 29 January 2023. pH at Site 4 for much of January was less than pH 6.5 and approximately 0.5 pH unit lower that at Site 5, thereby indicating that acidic water was flowing to Site 5 from upstream.

Licence condition 43 -	***Water quality management actions taken in the event of an exceedance.***

In excess of 1m of rain has fallen on the NTR site since mid December 2022. This was calculated to exceed the 1% Intensity-Frequency-Duration design rainfall for Batchelor. Water treatment has run at capacity and careful management of potentially contaminated water within site bunds has occurred. No change in site management is proposed.

Please contact me on +61 437 690 958 or greg.molloy@ntresources.com.au if you require any further information.

Kind Regards

Greg Molloy

General Manager

Northern Territories Resources Pty Ltd

Our Ref: NTR-ENV-LET-101
2 March 2023

NT Environmental Protection Authority
Environmental Authorisations
c/-Julia Schult
Email: waste@nt.gov.au

Dear Julia

WDL 177-10 – February 2023 Monthly Discharge Report as per Licence Condition 43

In accordance with WDL 177-10 condition 43, Northern Territories Resources Pty Ltd (NTR) submits the Monthly Discharge report for February 2023.

Relevant water quality parameters and metal concentrations were recorded during the period of discharge (see Tables 1 & 2)

Licence condition 43 - *Water quality data.*

Field water quality measurements were taken from the respective monitoring and compliance sites according to the requirements of Appendix 2 of the WDL once discharge commenced and/or there was flow at the monitoring sites.

The field monitoring results measured during February 2023 are shown in Table 1.

Table 1 Field monitoring results for February 2023

				Field						Inorganics
Discharge				Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
				oC	mg/L	mV	%	µS/cm	-	NTU
EQL										
WDL177-10 Trigger Levels								700	6.5-8.5	10
Field ID	**Date**	**Time**	**Sample Comments**							
GS200	**06 Feb 2023**	**9:28:00**	**depth=1.57, colour= brov**	28.5	7.66	133	102.3	119	7.4	0
GS200	**13 Feb 2023**	**9:08:00**	**depth=1.65, colour= brov**	27.5	7.92	199.5	101.9	134	7.23	4.5
GS200	**17 Feb 2023**	**13:36:00**	**depth=1.49, colour= clea**	31.1	4.32	152.8	71	192.2	7.55	11.5
GS200	**20 Feb 2023**	**8:31:00**	**depth=1.54, colour= brov**	29.3	7.7	88.1	102.1	191	7.03	0
GS200	**23 Feb 2023**	**16:00:00**	**Colour= clear, Depth= 1.6**	27.1	2.67	502.5	44.3	172.4	7.45	9.1
GS200	**28 Feb 2023**	**8:30:00**	**depth= 2.26, colour= brov**	26.1	8.11	145.1	101.8	73	6.94	4
SITE1	**06 Feb 2023**	**9:15:00**	**colour= clear, flow=low,**	29.4	7.72	149.2	102.4	141	7.37	0
SITE1	**13 Feb 2023**	**8:52:00**	**colour= clear, flow=low,**	27.2	7.9	194.6	101.2	122	7.2	0
SITE1	**17 Feb 2023**	**13:17:00**	**colour= clear, flow=med,**	32.4	4.49	157.6	63.4	285	7.45	10.6
Site1	**23 Feb 2023**	**15:44:00**	**Colour= clear, Flow = goo**	27.3	3	284.8	55	133.7	8.12	9.8
SITE1	**20 Feb 2023**	**8:17:00**	**colour= clear, flow=low,**	28.48	7.73	72.6	100.8	189	7.03	0
SITE1	**28 Feb 2023**	**8:15:00**	**colour=brown/grey, flow**	26	8.18	124.1	102.4	38	6.99	0
SITE2	**06 Feb 2023**	**8:34:00**	**dam gauge ht = 0.2, colou**	30.1	6.86	121.2	92.5	334	7.26	0
SITE2	**13 Feb 2023**	**9:43:00**	**dam gauge ht = 0.9, colou**	30	7.2	150.2	96.9	353	7.31	2.8
SITE2	**17 Feb 2023**	**8:05:00**	**dam gauge ht = 1.19, colo**	30.5	2.93	195.8	50.9	436	8.17	4.5
SITE2	**20 Feb 2023**	**9:11:00**	**dam gauge ht = 1.4, colou**	31.4	6.85	74	94	345	7.13	0
SITE2	**28 Feb 2023**	**9:15:00**	**dam gauge ht = 1.1, colou**	27.9	7.53	134	97.6	302	7.29	0
Site4	**01 Feb 2023**	**7:04:00**	**Colour=clear, Flow= low**	29.3	2.42	232	30.6	136	7.19	3.6
Site4	**02 Feb 2023**	**7:00:00**	**Colour=clear, Flow= low**	29.4	2.5	242	31.5	58.2	7.35	3.7
Site4	**03 Feb 2023**	**7:29:00**	**Colour = clear, Clarity = c**	28.8	2.67	157.2	34.8	28.7	7.33	4
Site4	**04 Feb 2023**	**7:17:00**	**Colour = clear, Clarity = c**	28.3	2.34	177.1	29.9	27.15	7.37	2.5
Site4	**05 Feb 2023**	**7:42:00**	**Colour = clear, Clarity = c**	28	2.52	189.6	32.4	27.9	7.29	2
Site4	**06 Feb 2023**	**7:19:00**	**Colour = clear, Clarity = c**	28.2	2.38	179.3	30.1	27.16	7.32	2.3
Site4	**07 Feb 2023**	**11:25:00**	**Colour = clear, Clarity = c**	29.5	3.17	132.9	54.6	40.4	7.24	4.3
Site4	**08 Feb 2023**	**9:13:00**	**Colour = clear, Clarity = c**	27	2.94	156.7	39	135.4	7.06	3.9
Site4	**09 Feb 2023**	**8:42:00**	**Colour = clear, Clarity = g**	26.3	2	282	25.2	23.7	6.43	4.2
Site4	**10 Feb 2023**	**8:13:00**	**Colour = clear, Clarity = c**	24.8	1.63	155.4	27.6	57.7	7.08	3.6
Site4	**11 Feb 2023**	**14:26:00**	**Colour = dirty, Clarity = c**	25.8	3.09	232.2	39.7	29.5	7.26	27.5
Site4	**12 Feb 2023**	**13:52:00**	**Colour = brown - clear, C**	28.1	3.96	155.7	10.5	45.9	8.14	7.1
Site4	**13 Feb 2023**	**9:57:00**	**Colour = clear, Clarity = c**	28.4	8.09	190.3	105.8	23	7.49	0.4
Site4	**14 Feb 2023**	**12:28:00**	**Colour = clear, Clarity = c**	30.8	3.97	135	11.4	50.6	6.84	4
Site4	**15 Feb 2023**	**9:49:00**	**Colour = clear, Clarity = c**	27.3	3.5	213.6	57.2	69.1	7.05	3.5
Site4	**16 Feb 2023**	**8:00:00**	**Colour = clear, Clarity = g**	26	2.29	233	36.7	59.4	6.99	8.5
Site4	**17 Feb 2023**	**14:42:00**	**Colour = clear, Clarity = g**	32.8	3.85	176.6	54.1	22.69	7.48	8.1
SITE4	**20 Feb 2023**	**9:24:00**	**colour= clear, flow= low,**	28.6	7.97	97.3	104.2	23	7.22	0
Site4	**23 Feb 2023**	**14:48:00**	**Colour=clear, Flow = goo**	27.3	2.71	361.1	44.1	30.3	7.34	5.5
Site4	**24 Feb 2023**	**8:25:00**	**Colour = clear, Clarity = g**	23.7	3.11	245.7	38.3	28.5	6.49	26.5
Site4	**25 Feb 2023**	**8:03:00**	**Colour = clear, Clarity = c**	24.7	3.3	201.5	44	87.3	6.71	11.8
Site4	**26 Feb 2023**	**7:55:00**	**Colour = clear, Clarity = c**	24	3.3	113.9	40.8	106.8	6.82	13.8
Site4	**26 Feb 2023**	**14:51:00**	**Colour = clear, Clarity = c**	26.7	3.25	110.2	42.3	85.6	6.9	11.3
Site4	**27 Feb 2023**	**12:17:00**	**Colour = clear, Clarity = c**	25.8	2.67	149.2	7	43.8	6.93	5.3
Site4	**28 Feb 2023**	**9:28:00**	**Colour = clear, Clarity = c**	27.36	7.91	157.2	101.67	23	7.52	0
Site5	**01 Feb 2023**	**7:18:00**	**Colour = clear, flow = low**	30.9	1.93	207	25.2	283	7.46	2.4
Site5	**02 Feb 2023**	**7:18:00**	**Colour = clear, depth = 0.**	30.9	1.66	176	21.7	276	7.79	2
Site5	**03 Feb 2023**	**7:11:00**	**Colour = clear, Clarity = c**	29.8	1.89	118.9	25.3	288.5	7.42	18.8
Site5	**04 Feb 2023**	**7:01:00**	**Colour = clear, Clarity = c**	30.1	2.39	149.7	27.4	295	7.73	0.7
Site5	**05 Feb 2023**	**7:23:00**	**Colour = clear, Clarity = c**	29.1	2.31	161.7	26.5	268	7.47	1.2
Site5	**06 Feb 2023**	**7:03:00**	**Colour = clear, Clarity = c**	29.2	2.34	152.6	26.8	262.1	7.51	1.1
Site5	**07 Feb 2023**	**10:55:00**	**Colour = clear, Clarity = c**	29	2.32	123.1	31	243.6	7.56	2.7
Site5	**08 Feb 2023**	**9:28:00**	**Colour = clear, Clarity = c**	26.8	1.56	121.2	20.6	78.5	7.22	4.22
Site5	**09 Feb 2023**	**8:25:00**	**Colour = clear, Clarity = g**	26.5	1.34	196.1	19.4	197.1	7.19	5
Site5	**10 Feb 2023**	**8:34:00**	**Colour = clear, Clarity = c**	25.3	0.79	141.8	13	77.5	7.47	4.3
Site5	**11 Feb 2023**	**14:41:00**	**Colour = dirty, Clarity = c**	25	1.65	263.9	20	196.4	7.2	27.1
Site5	**12 Feb 2023**	**14:08:00**	**Colour = browny, Clarity**	26.3	1.91	115	6.3	119.4	7.5	6.9
Site5	**13 Feb 2023**	**8:27:00**	**Colour = clear, Clarity = s**	26.1	6.56	166	82.7	124	7.02	5.2
Site5	**14 Feb 2023**	**12:42:00**	**Colour = clear, Clarity = c**	28.2	2.53	104.6	8.5	116.8	7.06	4.2
Site5	**15 Feb 2023**	**10:02:00**	**Colour = clear, Clarity = c**	26.9	2.24	158.5	36.6	111.9	7.23	4
Site5	**16 Feb 2023**	**8:18:00**	**Colour = clear, Clarity = g**	26.8	1.5	194.7	25.1	103.7	7.43	6
Site5	**17 Feb 2023**	**13:46:00**	**Colour = clear, Clarity = c**	34	3.3	136.2	45.7	95	7.15	7.8
SITE5	**20 Feb 2023**	**8:59:00**	**colour= clear, flow= ok, c**	28.1	5.63	114	73.1	114	6.85	0
Site5	**23 Feb 2023**	**15:04:00**	**Colour=, Flow=**	27.5	2.57	460.4	33.2	277	7.41	4.5
Site5	**24 Feb 2023**	**8:42:00**	**Colour = dirty, Clarity = di**	23.9	2.97	429.1	36.5	117.7	7.03	39
Site5	**25 Feb 2023**	**8:16:00**	**Colour = clear, Clarity = g**	24.9	2.5	28	36.7	115.8	7.58	18.7
Site5	**26 Feb 2023**	**8:07:00**	**Colour = clear, Clarity = c**	24.1	3.14	105.3	41.5	85.2	6.68	16
Site5	**27 Feb 2023**	**12:34:00**	**Colour = brownish, Clarit**	25.3	2.74	135	6.9	150.9	7.4	11.9
Site5	**28 Feb 2023**	**8:46:00**	**Colour = murky, Clarity =**	28.2	7.46	155.7	93.3	82	7.19	4.34
TREAT01	**06 Feb 2023**	**9:58:00**	**treating, Colour=clear**	31.1	7.73	36.2	105.6	283	8.31	12.7
TREAT01	**13 Feb 2023**	**10:11:00**	**treating, Colour=clear**	29.2	8.03	121.9	107	340	8.1	13
TREAT01	**17 Feb 2023**	**15:15:00**	**treating, Colour=clear**	29.9	3.46	106.2	47.8	417	9.9	4.7
TREAT01	**20 Feb 2023**	**9:39:00**	**treating, Colour=clear**	27.1	7.48	43	95.5	274	7.24	0
TREAT01	**23 Feb 2023**	**15:20:00**	**treating Colour = clear**	27.3	2.83	230.4	46.3	235	10.26	12.9
TREAT01	**28 Feb 2023**	**9:44:00**	**treating, Colour=clear**	28	8.27	64.1	107.4	296	8.11	15.1

Note: As per Note 5 in Table 2 Monitoring Requirements of WDL177-10, Trigger values for Turbidity and Total Suspended Solids are based on 80th percentile data from Site 4 from the 2020/21 and 2021/22 wet seasons. If trigger values are exceeded upstream of the compliance point (Site 4) on the date of sampling, exceedances at Site 5 do not count towards notifiable incidents specified at Item 10.

The WDL trigger values for pH and EC measured at Site 5 were in compliance during the discharge period. One instances on non-compliant turbidity (where Site 5 NTU > 10 when Site 4 NTU < 10) occurred on 3 February 2023. This result (Site 5 NTU 18.8) appears somewhat anomalous given the turbidity on preceding and proceeding days was in the order of 0-3 NTU.

As shown in the Site 4 data for the period 24-26 February 2023, high rainfall caused elevated turbidity (NTU >10) in the general area. During the same period, Site 5 had elevated turbidity.

The metals and inorganics concentrations for samples taken February 2023 are shown in Table 3. Note laboratory sample data has not been provided to NTR for samples collected on 23 and 28 February upon submission of this monthly report. These data will be provided in the March 2023 monthly report.

Table 2 Laboratory results for February 2023

		Inorganics									Metals																									
Discharging		Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	5	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
WDL177-10 Trigger Levels										6		0.08		0.0004			0.006		0.013		0.0025				0.0066			2.5		0.013					0.015
WDL177-10 Triple Trigger Levels										18		0.24		0.0012			0.018		0.039		0.0075				0.0198			7.5		0.039					0.045
Field ID	**Date**																																			
GS200	**30 Jan 2023**	<20	<10	<20	<20	<1	3.3	39	51	<5	0.16	<0.05	<0.0002	<0.0002	5.4	<0.001	<0.001	0.037	0.034	0.05	0.028	0.4	<0.05	<0.001	<0.001	9.2	0.13	0.12	0.034	0.032	0.7	<5	<5	0.05	0.044
SITE1	**30 Jan 2023**	27	<10	<20	27	<1	3	34	43	<5	0.23	0.06	<0.0002	<0.0002	3.7	<0.001	<0.001	0.028	0.027	0.052	0.031	0.33	<0.05	<0.001	<0.001	8.3	0.096	0.092	0.026	0.025	0.6	<5	<5	0.038	0.033
SITE2	**30 Jan 2023**	56	<10	<20	56	2.9	4.7	110	150	<5	<0.05	<0.05	<0.0002	<0.0002	24	<0.001	<0.001	0.018	0.012	0.03	0.005	0.11	<0.05	0.016	<0.001	22	0.36	0.33	0.016	0.014	0.7	<5	<5	0.015	0.01
SITE4	**30 Jan 2023**	<20	<10	<20	<20	<1	2.4	<5	<5	<5	0.08	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.19	0.07	<0.001	<0.001	<0.5	0.007	0.005	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
SITE5	**30 Jan 2023**	83	<10	<20	83	8.8	3.8	50	73	<5	<0.05	<0.05	<0.0002	<0.0002	12	<0.001	<0.001	<0.001	<0.001	0.003	0.002	0.27	<0.05	<0.001	<0.001	11	0.03	0.025	0.001	0.001	0.7	<5	<5	<0.005	<0.005
TREAT01	**30 Jan 2023**	42	27	<20	68	4.4	4.5	110	160	<5	<0.05	<0.05	<0.0002	<0.0002	18	<0.001	<0.001	0.006	<0.001	0.012	0.004	<0.05	<0.05	0.004	<0.001	28	0.04	0.01	0.008	0.004	0.9	<5	<5	0.011	<0.005
GS200	**06 Feb 2023**	27	<10	<20	27	<1	3	52	64	5.3	0.15	<0.05	<0.0002	<0.0002	5.5	<0.001	<0.001	0.045	0.042	0.059	0.029	0.39	<0.05	<0.001	<0.001	12	0.16	0.15	0.04	0.038	0.6	<5	<5	0.066	0.056
Site 1	**06 Feb 2023**	23	<10	<20	23	<1	2.7	46	61	5.4	0.21	0.05	<0.0002	<0.0002	4.3	<0.001	<0.001	0.035	0.034	0.056	0.033	0.31	<0.05	0.001	<0.001	12	0.12	0.12	0.031	0.029	0.7	<5	<5	0.048	0.04
Site 2	**06 Feb 2023**	58	<10	<20	58	2.1	3.9	120	150	<5	<0.05	<0.05	<0.0002	<0.0002	18	<0.001	<0.001	0.012	0.009	0.019	0.005	0.08	<0.05	0.01	<0.001	25	0.22	0.19	0.013	0.012	0.8	<5	<5	0.017	0.009
Site 4	**06 Feb 2023**	<20	<10	<20	<20	<1	2.1	<5	<5	<5	0.08	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.22	0.08	<0.001	<0.001	0.6	0.01	0.006	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
Site 5	**06 Feb 2023**	41	<10	<20	41	1.2	3.9	66	98	<5	<0.05	<0.05	<0.0002	<0.0002	12	<0.001	<0.001	<0.001	<0.001	0.003	0.001	0.24	<0.05	<0.001	<0.001	17	0.034	0.031	0.001	0.001	0.6	<5	<5	0.007	<0.005
TREAT01	**06 Feb 2023**	44	21	<20	65	2.5	3.5	120	150	<5	<0.05	<0.05	<0.0002	<0.0002	11	<0.001	<0.001	0.008	<0.001	0.011	0.002	<0.05	<0.05	0.004	<0.001	30	0.061	0.01	0.009	0.003	1.1	<5	<5	0.024	<0.005
GS200	**13 Feb 2023**	<20	<10	<20	<20	<1	3.1	36	51	<5	0.21	<0.05	<0.0002	<0.0002	3.9	<0.001	<0.001	0.031	0.03	0.047	0.025	0.38	<0.05	0.003	<0.001	10	0.12	0.12	0.028	0.027	0.7	<5	<5	0.036	0.032
Site 1	**13 Feb 2023**	23	<10	<20	23	<1	3	28	47	<5	0.21	<0.05	<0.0002	<0.0002	3.4	<0.001	<0.001	0.022	0.021	0.036	0.022	0.34	0.07	<0.001	<0.001	9.2	0.091	0.09	0.019	0.019	0.7	<5	<5	0.016	0.015
Site2	**13 Feb 2023**	43	<10	<20	43	1.7	4.5	120	170	<5	<0.05	<0.05	<0.0002	<0.0002	19	<0.001	<0.001	0.01	0.005	0.017	0.005	0.06	<0.05	0.007	<0.001	30	0.16	0.13	0.012	0.011	0.9	<5	<5	0.022	0.009
Site 4	**13 Feb 2023**	<20	<10	<20	<20	<1	2.2	<5	<5	<5	0.12	0.06	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.17	0.07	0.001	<0.001	0.6	0.009	<0.005	<0.001	<0.001	0.8	<5	<5	<0.005	<0.005
Site 5	**13 Feb 2023**	32	<10	<20	32	<1	3.7	19	37	<5	0.18	<0.05	<0.0002	<0.0002	4.4	<0.001	<0.001	<0.001	<0.001	0.002	0.002	0.4	0.09	0.001	<0.001	6.4	0.021	0.015	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
Treat 01	**13 Feb 2023**	55	<10	<20	55	1.8	3.6	110	170	<5	<0.05	<0.05	<0.0002	<0.0002	17	<0.001	<0.001	0.008	0.001	0.012	0.002	<0.05	<0.05	0.007	<0.001	30	0.082	0.028	0.009	0.003	1.1	<5	<5	0.012	0.007
GS200	**17 Feb 2023**	66	<10	<20	66	32	3.7	60	68	<5	0.22	0.05	0.0002	<0.0002	4.9	<0.001	<0.001	0.065	0.05	0.093	0.034	0.53	<0.05	0.001	<0.001	13	0.23	0.18	0.058	0.047	1.8	5	<5	0.093	0.065
Site 1	**17 Feb 2023**	21	<10	<20	21	1.2	3.2	55	68	<5	0.27	0.08	<0.0002	<0.0002	4.6	<0.001	<0.001	0.042	0.036	0.079	0.033	0.47	0.09	0.001	<0.001	14	0.14	0.13	0.037	0.031	1.4	<5	<5	0.055	0.04
Site 2	**17 Feb 2023**	220	<10	<20	220	2.4	4.6	130	150	<5	<0.05	<0.05	<0.0002	<0.0002	16	<0.001	<0.001	0.006	0.002	0.013	0.007	<0.05	<0.05	0.004	<0.001	27	0.14	0.081	0.013	0.01	1.6	<5	<5	0.013	0.007
Site 4	**17 Feb 2023**	26	<10	<20	26	<1	2	<5	<5	<5	0.13	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.003	0.001	0.22	0.08	<0.001	<0.001	<0.5	0.007	<0.005	<0.001	<0.001	0.6	<5	<5	0.012	<0.005
Site 5	**17 Feb 2023**	23	<10	<20	23	<1	4	14	30	<5	0.06	<0.05	<0.0002	<0.0002	2.8	0.002	<0.001	0.001	<0.001	0.003	0.002	0.55	0.11	<0.001	<0.001	5.7	0.043	0.031	0.002	<0.001	1.3	<5	<5	0.005	<0.005
Treat 01	**17 Feb 2023**	48	16	<20	64	2.2	3.8	140	180	<5	0.1	<0.05	<0.0002	<0.0002	24	<0.001	<0.001	0.065	0.005	0.51	0.013	<0.05	<0.05	0.046	0.01	28	0.11	0.021	0.045	0.004	1.7	<5	<5	0.042	<0.005
GS200	**20 Feb 2023**	23	<10	<20	23	<1	3.4	62	78	<5	0.17	<0.05	<0.0002	<0.0002	5.8	<0.001	<0.001	0.059	0.055	0.078	0.035	0.64	<0.05	<0.001	<0.001	15	0.22	0.2	0.055	0.052	0.7	<5	<5	0.08	0.07
SITE1	**20 Feb 2023**	24	<10	<20	24	<1	3.2	62	82	<5	0.22	0.05	<0.0002	<0.0002	5.5	<0.001	<0.001	0.046	0.041	0.069	0.032	0.56	<0.05	<0.001	<0.001	17	0.18	0.16	0.041	0.037	0.7	6	<5	0.051	0.045
SITE2	**20 Feb 2023**	51	<10	<20	51	1.8	4.3	120	160	<5	<0.05	<0.05	<0.0002	<0.0002	17	<0.001	<0.001	0.006	0.002	0.014	0.006	<0.05	<0.05	0.004	<0.001	29	0.14	0.086	0.011	0.009	0.9	<5	<5	0.015	0.007
SITE4	**20 Feb 2023**	120	<10	<20	120	<1	2.2	<5	<5	<5	0.07	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.23	0.07	<0.001	<0.001	0.7	0.007	<0.005	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
SITE5	**20 Feb 2023**	140	<10	<20	140	<1	4.2	18	39	<5	<0.05	<0.05	<0.0002	<0.0002	4	<0.001	<0.001	0.001	0.001	0.003	0.002	0.55	0.08	<0.001	<0.001	7	0.066	0.058	0.001	0.001	0.7	<5	<5	<0.005	<0.005
TREAT01	**20 Feb 2023**	37	<10	<20	43	1.7	4.3	80	130	<5	<0.05	<0.05	<0.0002	<0.0002	16	0.002	<0.001	0.004	<0.001	0.043	0.024	<0.05	0.05	0.007	0.001	21	0.018	<0.005	0.004	0.002	1.5	<5	<5	0.048	0.011

Compliance was measured at Site 5 for laboratory discharge trigger criteria during discharge in February 2023.

Notes on sample data

1: Trigger Values only apply to Site 5 during discharge.

2: Laboratory samples were collected on 23 and 28 February 2023 as per WDL177-10 requirements. There results have not yet been returned from the laboratory. These will be reported in the next monthly discharge report.

3. We note that the water quality at GS200 and Site 1 is considerably worse that at Site 5, indicating that water quality from the discharge point was having negligible impact on the East Finnis River.

Licence condition 43 - *Flow data from DAMOUT1 at the flow meter.*

Flow meter readings at Site 2.

Discharge was occurring from Site 5 between 1-7 and 23-28 February 2023 with a total discharge of 161ML.

Licence condition 3 - *Date, time and duration of each discharge event.*

Event 1

Start Date = 31 January 2023

Time start: 14:51 hrs

End Date = 7 February 2023

Time End: 14:55 hours

Duration of event: 7 days, 0 hours, 04 mins

Discharge volume: 53,214 m^3

Event 2

Start Date = 23 February 2023

Time start: 12:17 hrs

End Date = 28 February 2023

Time End: 16:00 hours

Duration of event: 5 days, 5 hours, 43 mins

Discharge volume: 108,023 m^3

Note that the late February 2023 discharge event is continuing into March 2023.

Licence condition 43 - ***Summary of water inventory.***

The Site water inventory as follows:

Total water treated February 2023: **128.555 ML**
Total water discharged February 2023: **161 ML**
Total water used for dust suppression for February 2023: **53 m^3**
Total rainfall for February 2023: **467.9 mm**

Pond name	Gauge height (31/1/2023)	Gauge height (28/2/2023)
Sed dam	0.28	1.22
Pit level	56.52	56.66
BSS	0.22	1.55
PAF	0.3	1.46
SP3	0.59	3.14
SRO	0.95	1.09

Discharge events
A measured flow total of 161ML of water was discharged during 1-28 February 2023.

Licence condition 43 - A summary of any trigger value exceedances for the month.

Discharge was occurring from Site 5 between 1-7 and 23-28 February 2023.

The WDL trigger values for pH and EC measured at Site 5 were in compliance during the discharge period. One instances on non-compliant turbidity (where Site 5 NTU > 10 when Site 4 NTU < 10) occurred on 3 February 2023. This result (Site 5 NTU 18.8) appears somewhat anomalous given the turbidity on preceding and proceeding days was in the order of 0-3 NTU at Site 5.

As shown in the Site 4 data for the period 24-26 February 2023, high rainfall caused elevated turbidity (NTU >10) in the general area. During the same period, Site 5 had elevated turbidity.

Licence condition 43 - Water quality management actions taken in the event of an exceedance.

In excess of 47 mm and 330mm of rain fell between 1-4 February 2023 and 21-28 February 2023, respectively, leading to elevated turbidity throughout the catchment area during these periods. Water treatment has run at capacity and careful management of potentially contaminated water within site bunds has occurred. No change in site management is proposed.

During rainfall, it has been identified that substantial flows of turbid water enter the site from tracks and roads upstream of the site as shown in Figure 1. This turbid water runs adjacent to the sediment dam and intersects Middlebrook Creek between Site 4 and Site 5.



Figure 1 Track upstream of site that discharge turbid water to site 5 during rainfall.

Photos of typical flows are shown below.



NTR has limited capacity to control upstream run-on to the site or to Middlebrook Creek where it enters the creek between monitoring points Site 4 and Site 5.

Please contact me on +61 437 690 958 or greg.molloy@ntresources.com.au if you require any further information.

Kind Regards



Greg Molloy

General Manager

Northern Territories Resources Pty Ltd

Our Ref: NTR-ENV-LET-103
4 April 2023

NT Environmental Protection Authority
Environmental Authorisations
c/-Julia Schult
Email: waste@nt.gov.au

Dear Julia

WDL 177-10 – March 2023 Monthly Discharge Report as per Licence Condition 43

In accordance with WDL 177-10 condition 43, Northern Territories Resources Pty Ltd (NTR) submits the Monthly Discharge report for March 2023.

Relevant water quality parameters and metal concentrations were recorded during the period of discharge (see Tables 1 & 2)

Licence condition 43 - *Water quality data.*

Field water quality measurements were taken from the respective monitoring and compliance sites according to the requirements of Appendix 2 of the WDL once discharge commenced and/or there was flow at the monitoring sites.

The field monitoring results measured during March 2023 are shown in Table 1.

Table 1 Field monitoring results for March 2023

				Field						Inorganics
During discharge				Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
				oC	mg/L	mV	%	µS/cm	-	NTU
EQL										
WDL177-10 Trigger Levels								700	6.5-8.5	10
Field ID	**Date**	**Time**	**Sample Comments**							
SITE1	**06 Mar 2023**	**8:24:00**	**colour=brown, flow= ok, depth=0.3**	26.2	3.39	219.9	43.9	144.7	7.22	5.8
SITE1	**13 Mar 2023**	**8:34:00**	**colour= clear, flow= ok, depth=0.3**	27.4	3.94	192.5	50.8	155.3	7.83	6
SITE1	**20 Mar 2023**	**8:33:00**	**colour= clear, flow= low, depth=0.25**	29	4.81	167	64.8	171	7.55	5.8
SITE1	**27 Mar 2023**	**8:31:00**	**colour= clear, flow= med, depth=0.2**	29.8	3.07	203	39.3	175	7.29	7.7
SITE2	**06 Mar 2023**	**9:27:00**	**dam gauge ht = .3, colour = brown**	27.7	3.02	183.8	39.9	265	8.07	4.4
SITE2	**13 Mar 2023**	**9:53:00**	**dam gauge ht = .25, colour = brown**	31.1	3.71	137.7	50.7	253	7.68	3.1
SITE2	**20 Mar 2023**	**9:31:00**	**dam gauge ht = .22, colour = clear**	31.7	3.52	146	47.9	308	7.69	3.1
SITE2	**27 Mar 2023**	**9:49:00**	**dam gauge ht = .24, colour = clear**	32.1	3.21	159	43.8	311	7.53	4.7
Site4	**01 Mar 2023**	**1:29:00**	**Colour= crystal, Clarity = clear, good, Depth= .3**	27.7	3.77	177.2	10.4	37.6	7.11	4
Site4	**02 Mar 2023**	**11:52:00**	**Colour= crystal, Clarity = clear, good, Depth= .3**	27.6	3.44	183.1	9.2	62.2	7.01	3.3
Site4	**03 Mar 2023**	**19:25:00**	**Colour = clear, Clarity = clean, Flow= good, Depth= .15**	24.5	2.97	140	36.8	18.97	7.3	5
Site4	**04 Mar 2023**	**7:05:00**	**Colour = clean, Clarity = clear, Flow= good, Depth= .13**	24.5	2.81	336.3	35.2	20.21	6.66	5.2
Site4	**05 Mar 2023**	**8:41:00**	**Colour = clear, Clarity = clear, Flow= good, Depth= .15 -.2**	26	2.66	233	34.2	19.99	8.08	4.4
Site4	**06 Mar 2023**	**14:15:00**	**Colour = brown, Clarity = dirty, Flow= fast, Depth= .5**	24.7	3.7	209.4	44.2	8.5	7.06	19.9
Site4	**07 Mar 2023**	**10:42:00**	**Colour = clear, Clarity = clear, Flow= med, Depth= .2**	24.9	3.69	206.1	41.5	9.21	7.16	19.8
Site4	**08 Mar 2023**	**7:07:00**	**Colour = clear, Clarity = clear, Flow= low - med, Depth= .15**	26.3	2.96	82.9	39.1	33.7	7.02	5.3
Site4	**09 Mar 2023**	**7:23:00**	**Colour = clear, Clarity = clear, Flow= med, Depth= .2**	25.9	2.87	84.2	40.1	31.4	7.04	5.1
Site4	**10 Mar 2023**	**7:06:00**	**Colour = clear, Clarity = clear, Flow= low - med, Depth= .15 - .2**	25.4	3.86	67.6	48.3	24.4	7.6	1.4
Site4	**11 Mar 2023**	**8:30:00**	**Colour = clear, Clarity = clear, Flow =steady, depth = 0.15**	25.8	3.52	156	44.5	22	7.57	1.7
Site4	**12 Mar 2023**	**6:55:00**	**Colour = clear, Clarity = clear, Flow =steady, depth = 0.1**	24.7	3.57	199.8	44.1	19	6.59	0.9
Site4	**13 Mar 2023**	**9:30:00**	**Colour = clear, Clarity = clear, Flow= steady, Depth= .4**	28	3.8	148.4	53.4	18.94	7.1	1.7
Site4	**14 Mar 2023**	**7:40:00**	**Colour = clear, Clarity = clear, Flow= steady, Depth= .1**	27.9	2.77	148.6	35.9	17.2	7.11	2.4
Site4	**15 Mar 2023**	**14:12:00**	**Colour = crystal, Clarity = clear, Flow= good, Depth= .2**	33.5	4.32	182.3	12.5	79	7.65	2.4
Site4	**16 Mar 2023**	**14:21:00**	**Colour = clear, Clarity = crystal, Flow= good, Depth= .25**	36.3	4.17	168.5	12.6	480	7.57	3.3
Site4	**17 Mar 2023**	**13:51:00**	**Colour = crystal, Clarity = clear, Flow= good, Depth= .2**	35.7	4.11	196.5	12.7	380	7.37	3.6
Site4	**18 Mar 2023**	**9:36:00**	**Colour = crystal, Clarity = clear, Flow= good, Depth= .2**	29.1	4.24	196.5	11.9	77.2	7.11	3.4
Site4	**19 Mar 2023**	**8:05:00**	**Colour = clear, Clarity = clear, Flow= steady, Depth= .1**	27.5	3.28	179.5	40	17.45	7.01	3.2
Site4	**21 Mar 2023**	**8:40:00**	**Colour = clear, , Flow= steady, Depth= .1**	27.2	3.3	200	40.7	20.07	7.19	4.1
Site4	**22 Mar 2023**	**8:00:00**	**Colour = clear, Flow= steady, Depth= .1**	26.2	3.05	178	38.1	20.6	6.99	3.1
Site4	**23 Mar 2023**	**9:08:00**	**Colour = clear, Clarity = clear, Flow= low-med, Depth= .15**	27.3	3.14	210.1	40.8	43.8	7.25	2.5
Site4	**24 Mar 2023**	**7:25:00**	**Colour = clear, Clarity = clear, Flow= low-med, Depth= .2**	26.2	3.01	209.5	38.1	28.6	7.22	1.8
Site4	**25 Mar 2023**	**7:07:00**	**Colour = clear, Clarity = clear, Flow= low-med, Depth= .2**	27	2.76	223.5	34.8	79.9	7.22	3.2
Site4	**26 Mar 2023**	**7:30:00**	**Colour = clear, Clarity = clear, Flow= low-med, Depth= .15-.2**	27.2	2.9	210.6	35.4	312.8	7.12	6.2
Site4	**28 Mar 2023**	**6:42:00**	**Colour = clear, Clarity = clear, Flow= steady, Depth= .2**	27.1	2.46	239.2	31	23.49	7.22	4.7
Site4	**29 Mar 2023**	**6:15:00**	**Colour = clear, Clarity = clear, Flow= steady, Depth= .1**	26.7	3.37	230	39	27.2	7.49	3.6
Site4	**30 Mar 2023**	**9:05:00**	**Colour = clear, Clarity = clear, Flow= steady, Depth= .1**	27.9	3.62	184.1	46.1	19.5	6.71	3.2
Site4	**31 Mar 2023**	**10:53:00**	**Colour=crystal, Clarity=clear, Flow=fair, Depth=0.15**	30.2	4.65	202.2	12.4	43.2	7.66	4.4
Site5	**01 Mar 2023**	**1:46:00**	**Colour = slightly murky, Clarity = clear, flow = good, depth = 0.65**	26.9	3.27	138.6	8.9	158.6	7.58	3.5
Site5	**02 Mar 2023**	**0:09:00**	**Colour= crystal, Clarity = clear, good, Depth= .6**	27	3.39	144.2	9.2	263	7.2	3.1
Site5	**03 Mar 2023**	**19:05:00**	**Colour = gree - clear, Clarity = clear, Flow =good, depth = 7.5**	24.4	3.06	127.6	37.7	116.2	7.43	5.5
Site5	**04 Mar 2023**	**6:55:00**	**Colour = clean, Clarity = clear, Flow = good, depth = 6.7**	24.9	2.57	209	32.8	143.5	7.48	4.4
Site5	**05 Mar 2023**	**8:28:00**	**Colour = clear, Clarity = clear, Flow =good, depth = 0.6**	26.3	2.14	225.3	27.4	173	8.35	3.8
Site5	**06 Mar 2023**	**13:50:00**	**Colour = dirty, Clarity = dirty, Flow = fast, depth = above marker**	24.7	3.7	205.9	43.6	21.11	7.35	41.3
Site5	**07 Mar 2023**	**11:07:00**	**Colour = slightly dirty, Clarity = slightly dirty, Flow = high, depth = 0.84**	24.6	3.51	203.8	39.6	22.41	7.31	42.1
Site5	**08 Mar 2023**	**7:20:00**	**Colour = clear, Clarity = clear, Flow = med - high, depth = 1.63**	26.8	3.16	65.4	38.8	128.6	7.01	3.3
Site5	**09 Mar 2023**	**7:40:00**	**Colour = clear, Clarity = good, Flow = med, depth = 0.62**	26.8	3.13	67.2	38.2	115.2	7.07	3.2
Site5	**10 Mar 2023**	**7:22:00**	**Colour = clear, Clarity = clear, Flow = med, depth = 0.57**	26.1	2.96	63.9	36.3	118.5	7.4	1.8
Site5	**11 Mar 2023**	**8:10:00**	**Colour = clear, Clarity = clear, Flow =steady, depth = 055**	26.5	2.84	157.2	34.1	124.1	7.29	1.6
Site5	**12 Mar 2023**	**6:40:00**	**Colour = clear, Clarity = clear, Flow =steady, depth = 0.52**	26.1	2.7	178	33.6	128	7.3	2.2
Site5	**13 Mar 2023**	**9:00:00**	**Colour = clear, Clarity = clear, Flow = steady, depth = 0.5**	27.2	3.8	153.4	43	127.7	7.41	1.4
Site5	**14 Mar 2023**	**7:25:00**	**Colour = clear, Clarity = clear, Flow = steady, depth = 0.49**	28.7	2.3	152.2	28.9	127	7	2.8
Site5	**15 Mar 2023**	**14:24:00**	**Colour = crystal, Clarity = clear, Flow = gd, depth = 0.49**	31.2	3.52	178.6	8.7	135.6	7.12	2.7
Site5	**16 Mar 2023**	**14:36:00**	**Colour = crystal, Clarity = good, Flow = good, depth = 0.47**	32.7	3.49	160.8	10.1	150.3	7.21	3.3
Site5	**17 Mar 2023**	**14:10:00**	**Colour = crystal, Clarity = clear, Flow = v good, depth = 0.47**	33.1	3.07	190.2	8.9	170.7	7.18	3.1
Site5	**18 Mar 2023**	**9:53:00**	**Colour = crystal, Clarity = clear, Flow = v good, depth = 0.48**	30.2	2.39	162.7	6.5	176.5	7.04	3.8
Site5	**19 Mar 2023**	**7:50:00**	**Colour = clear, Clarity = clear, Flow= steady, Depth= .49**	29.2	2.17	170.9	25.7	168.6	7.15	2.8
Site5	**21 Mar 2023**	**8:20:00**	**Colour = clear, , Flow= steady, Depth= .4**	27.9	1.73	181.3	22.9	135	7.12	5.1
Site5	**22 Mar 2023**	**7:45:00**	**Colour =clear, Flow= steady, Depth= .44**	26.5	2.34	157	30.5	146.6	7.01	3.8
Site5	**23 Mar 2023**	**9:20:00**	**Colour = clear, Clarity = clear, Flow= low-med, Depth= .46**	28.2	3.15	168.7	40.1	198.7	6.78	1.8
Site5	**24 Mar 2023**	**7:39:00**	**Colour = clear, Clarity = clear, Flow= med, Depth= .5**	27.4	2.8	192.5	35.6	196.7	6.67	2.3
Site5	**25 Mar 2023**	**7:21:00**	**Colour = cloudy, Clarity = milky, Flow= med, Depth= .62**	27.8	2.41	189.9	30.4	164.2	6.86	18.3
Site5	**26 Mar 2023**	**7:45:00**	**Colour = clear, Clarity = clear, Flow= low-med, Depth= .44**	28.9	2.68	171.2	34.1	208.5	6.81	1.7
Site5	**28 Mar 2023**	**6:59:00**	**Colour = clear, Clarity = clear, Flow= steady, Depth= .4**	28.7	2.08	183.2	26.8	182.4	6.69	4.6
Site5	**29 Mar 2023**	**6:30:00**	**Colour = clear, Clarity = clear, Flow= steady, Depth= .4**	28.9	2.34	192.2	30	213.4	6.77	4.1
Site5	**30 Mar 2023**	**8:50:00**	**Colour = clear, Clarity = clear, Flow=steady, Depth= .4**	29.3	1.92	168.1	24.6	222	6.72	3.1
Site5	**31 Mar 2023**	**11:10:00**	**Colour=crystal, Clarify = clean, Flow=good-fair, depth=0.41**	30.8	2.62	196.5	7.5	244.8	6.91	5.4
TREAT01	**06 Mar 2023**	**10:15:00**	**treating, Colour=clear**	27.4	3.03	148.4	40	259	10.09	18.8
TREAT01	**13 Mar 2023**	**8:11:00**	**treating, Colour=clear**	29.4	3.86	148.9	52.1	320	9.85	4.2
TREAT01	**20 Mar 2023**	**9:45:00**	**treating, Colour=clear**	31	3.61	95	48.6	334	9.31	4.4
TREAT01	**27 Mar 2023**	**10:01:00**	**treating,**	31.1	3.55	115	47.4	340	9.4	4.1
GS200	**06 Mar 2023**	**8:48:00**	**depth=1.7, colour= brown, flow=good**	265.3	6.17	211.3	79.8	166.3	7.42	5.9
GS200	**13 Mar 2023**	**8:49:00**	**depth=1.65, colour= brown, flow=good**	27.8	3.18	186	41.4	167	7.56	3.9
GS200	**20 Mar 2023**	**8:52:00**	**colour=clear, flow= med, depth=1.58**	29	4.11	202	53.4	185	7.89	7.3
GS200	**27 Mar 2023**	**8:45:00**	**colour=clear, flow= med, depth=1.58**	29.4	3.22	198	41	184	7.53	8.2

Note: As per Note 5 in Table 2 Monitoring Requirements of WDL177-10, Trigger values for Turbidity and Total Suspended Solids are based on 80th percentile data from Site 4 from the 2020/21 and 2021/22 wet seasons. If trigger values are exceeded upstream of the compliance point (Site 4) on the date of sampling, exceedances at Site 5 do not count towards notifiable incidents specified at Item 10.

The WDL trigger values for pH and EC measured at Site 5 were in compliance during the discharge period. Elevated turbidity was measured at Site 5 on 6 and 7 March 2023 in response to > 100mm rainfall on 6 March 2023. Site 4 turbidity was also elevated during this period (> 10 NTU). As such, no non-compliance was recorded. Turbidity was measured on 25 March 2023 at 18.3 NTU. It was observed that dirty water was being discharged from the car park up steam of Site 5. The turbidity measured on 25 March 2023 exceeded the trigger value of 10 but was unlikely due to water being discharged from the sediment pond (see Site 2 data).

The metals and inorganics concentrations for samples taken March 2023 are shown in Table 3. Note laboratory sample data has not been provided to NTR for samples collected on 27 March upon submission of this monthly report. These data will be provided in the April 2023 monthly report.

Table 2 Laboratory results for March 2023

During dicharge		Inorganics									Metals																					
		Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	5	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
WDL177-10 Trigger Levels										6		0.08		0.0004			0.006		0.013		0.0025				0.0066		2.5		0.013					0.015
WDL177-10 Triple Trigger Levels										18		0.24		0.0012			0.018		0.039		0.0075				0.0198		7.5		0.039					0.045
GS200	23 Feb 2023	<20	<10	<20	<20	<1	2.7	40	47	<5	0.15	<0.05	<0.0002	<0.0002	3.8	<0.001	<0.001	0.035	0.033	0.057	0.031	0.4	<0.05	<0.001	<0.001	9.1	0.13	0.12	0.032	0.031	0.6	<5	<5	0.043	0.034
Site 1	23 Feb 2023	<20	<10	<20	<20	<1	3.3	34	48	<5	0.2	0.07	<0.0002	<0.0002	4	<0.001	<0.001	0.03	0.029	0.053	0.03	0.37	<0.05	<0.001	<0.001	9.3	0.11	0.12	0.027	0.026	2.6	<5	<5	0.022	0.018
Site 2	23 Feb 2023	53	<10	<20	53	2.4	4.7	120	180	<5	<0.05	<0.05	<0.0002	<0.0002	21	0.005	<0.001	0.006	<0.001	0.016	0.006	0.06	<0.05	0.006	<0.001	31	0.12	0.035	0.011	0.009	3.1	<5	<5	0.015	0.01
Site 4	23 Feb 2023	<20	<10	<20	<20	<1	2	<5	<5	<5	<0.05	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.14	0.07	<0.001	<0.001	0.6	0.006	<0.005	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
Site 5	23 Feb 2023	28	<10	<20	28	<1	4.2	17	110	<5	<0.05	<0.05	<0.0002	<0.0002	15	<0.001	<0.001	0.001	0.001	0.007	0.006	0.21	<0.05	0.001	<0.001	18	0.084	0.074	0.002	0.002	2	<5	<5	0.006	<0.005
Treat01	23 Feb 2023	<20	21	<20	36	<1	1.9	55	110	<5	<0.05	<0.05	<0.0002	<0.0002	17	0.002	<0.001	0.003	<0.001	0.006	<0.001	0.08	<0.05	0.007	<0.001	16	0.019	<0.005	0.003	<0.001	2.4	<5	<5	0.016	<0.005
GS200	28 Feb 2023	<20	<10	<20	<20	<1	2.2	12	19	5.2	0.24	<0.05	<0.0002	<0.0002	2	<0.001	<0.001	0.01	0.01	0.022	0.014	0.31	0.07	<0.001	<0.001	3.5	0.04	0.035	0.01	0.009	0.6	<5	<5	0.01	0.009
SITE1	28 Feb 2023	<20	<10	<20	<20	<1	2.4	8.6	16	<5	0.28	0.05	<0.0002	<0.0002	1.6	<0.001	<0.001	0.009	0.008	0.022	0.012	0.34	0.07	0.001	<0.001	3	0.039	0.035	0.009	0.007	0.7	<5	<5	0.005	<0.005
SITE2	28 Feb 2023	45	<10	<20	45	1.8	4.1	88	140	<5	<0.05	<0.05	<0.0002	<0.0002	17	<0.001	<0.001	0.004	<0.001	0.013	0.004	0.09	<0.05	0.007	<0.001	25	0.045	0.009	0.008	0.007	0.9	<5	<5	0.011	0.01
SITE4	28 Feb 2023	<20	<10	<20	<20	<1	1.7	<5	<5	<5	0.13	<0.05	<0.0002	<0.0002	<0.5	0.002	<0.001	0.003	<0.001	0.007	<0.001	0.16	0.05	<0.001	<0.001	0.5	0.009	<0.005	0.002	<0.001	0.7	<5	<5	<0.005	<0.005
SITE5	28 Feb 2023	<20	<10	<20	<20	1.5	2.3	15	27	<5	0.13	<0.05	<0.0002	<0.0002	3.2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.25	0.06	<0.001	<0.001	4.6	0.009	0.006	<0.001	<0.001	0.6	<5	<5	<0.005	<0.005
TREAT01	28 Feb 2023	26	22	<20	48	1.2	2.7	89	140	<5	<0.05	<0.05	<0.0002	<0.0002	20	<0.001	0.002	0.033	0.007	0.25	0.02	<0.05	<0.05	0.048	0.026	22	0.038	0.005	0.022	0.006	0.7	<5	<5	0.014	<0.005
GS200	06 Mar 2023	<20	<10	<20	<20	<1	2.7	48	54	<5	0.21	<0.05	<0.0002	<0.0002	5	<0.001	<0.001	0.043	0.041	0.11	0.065	0.33	<0.05	<0.001	<0.001	10	0.14	0.13	0.04	0.04	0.6	<5	<5	0.047	0.043
SITE 1	06 Mar 2023	26	<10	<20	26	<1	2.6	39	46	<5	0.24	<0.05	<0.0002	<0.0002	3.9	<0.001	<0.001	0.033	0.031	0.1	0.07	0.33	<0.05	<0.001	<0.001	8.8	0.11	0.1	0.031	0.03	0.5	<5	<5	0.032	0.028
SITE2	06 Mar 2023	40	<10	<20	40	1.5	3.8	74	120	<5	<0.05	<0.05	<0.0002	<0.0002	15	<0.001	<0.001	0.005	0.001	0.014	0.006	0.07	<0.05	0.006	<0.001	20	0.049	0.02	0.008	0.007	0.7	<5	<5	0.01	0.007
SITE4	06 Mar 2023	33	<10	<20	33	<1	1.9	<5	<5	<5	0.06	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.12	0.06	<0.001	<0.001	0.5	<0.005	<0.005	<0.001	<0.001	0.6	<5	<5	<0.005	<0.005
SITE5	06 Mar 2023	20	<10	<20	20	<1	2.9	36	53	<5	<0.05	<0.05	<0.0002	<0.0002	6.6	0.001	<0.001	<0.001	<0.001	0.002	0.001	0.23	0.05	<0.001	<0.001	9	0.021	0.017	<0.001	<0.001	0.6	<5	<5	<0.005	<0.005
TREAT01	06 Mar 2023	30	20	<20	50	1.1	2.6	66	120	<5	<0.05	<0.05	<0.0002	<0.0002	16	<0.001	<0.001	0.013	<0.001	0.026	0.002	<0.05	<0.05	0.018	0.004	20	0.048	<0.005	0.012	0.002	0.7	<5	<5	0.019	<0.005
GS200	13 Mar 2023	<20	<10	<20	<20	<1	2.4	54	59	<5	0.24	<0.05	0.0002	<0.0002	5.5	<0.001	<0.001	0.053	0.05	0.12	0.065	0.3	<0.05	<0.001	<0.001	11	0.15	0.14	0.051	0.046	0.5	5	<5	0.072	0.061
Site1	13 Mar 2023	<20	<10	<20	<20	<1	2.3	36	53	<5	0.25	<0.05	<0.0002	<0.0002	4.6	<0.001	0.001	0.039	0.037	0.11	0.07	0.23	<0.05	<0.001	<0.001	10	0.1	0.093	0.038	0.035	0.5	5	<5	0.055	0.048
Site2	13 Mar 2023	51	<10	<20	51	<1	3.3	74	99	<5	<0.05	<0.05	<0.0002	<0.0002	13	<0.001	<0.001	0.006	<0.001	0.017	0.005	0.06	<0.05	0.013	<0.001	16	0.059	<0.005	0.009	0.006	0.5	<5	<5	0.015	0.006
Site4	13 Mar 2023	<20	<10	<20	<20	<1	1.8	<5	<5	<5	<0.05	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.1	<0.05	<0.001	<0.001	<0.5	<0.005	<0.005	<0.001	<0.001	0.5	<5	<5	<0.005	<0.005
Site5	13 Mar 2023	28	<10	<20	28	<1	2.7	30	44	<5	<0.05	<0.05	<0.0002	<0.0002	5.7	<0.001	<0.001	<0.001	<0.001	0.003	0.002	0.24	0.05	<0.001	<0.001	7.3	0.022	0.017	<0.001	<0.001	<0.5	<5	<5	<0.005	<0.005
Treat01	13 Mar 2023	30	17	<20	47	<1	2.5	86	120	<5	<0.05	<0.05	<0.0002	<0.0002	16	<0.001	<0.001	0.013	<0.001	0.019	0.002	<0.05	<0.05	0.015	0.003	20	0.068	0.005	0.013	0.002	0.6	<5	<5	0.02	<0.005
GS200	20 Mar 2023	<20	<10	<20	<20	<1	2.7	60	66	<5	0.29	<0.05	0.0003	<0.0002	5.7	0.002	<0.001	0.067	0.053	0.13	0.047	0.47	<0.05	0.001	<0.001	13	0.2	0.16	0.063	0.049	0.6	7	<5	0.091	0.068
SITE 1	20 Mar 2023	20	<10	<20	20	<1	2.4	50	59	<5	0.29	<0.05	0.0002	<0.0002	4.6	<0.001	<0.001	0.046	0.037	0.1	0.048	0.33	<0.05	<0.001	<0.001	12	0.12	0.1	0.041	0.035	0.5	6	<5	0.065	0.049
SITE 2	20 Mar 2023	35	<10	<20	35	<1	3.6	93	130	<5	<0.05	<0.05	<0.0002	<0.0002	16	<0.001	<0.001	0.005	0.002	0.014	0.006	0.05	<0.05	0.004	<0.001	21	0.044	0.02	0.009	0.007	0.6	<5	<5	0.016	<0.005
SITE 4	20 Mar 2023	<20	<10	<20	<20	<1	1.9	<5	<5	<5	0.06	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.17	0.05	<0.001	<0.001	0.6	<0.005	<0.005	<0.001	<0.001	0.6	<5	<5	<0.005	<0.005
SITE 5	20 Mar 2023	25	<10	<20	25	<1	2.8	29	46	<5	<0.05	<0.05	<0.0002	<0.0002	5.7	<0.001	<0.001	0.001	<0.001	0.002	0.001	0.71	0.05	<0.001	<0.001	7.7	0.042	0.029	0.001	<0.001	0.5	<5	<5	<0.005	<0.005
TREAT01	20 Mar 2023	31	<10	<20	38	1.1	2.9	100	140	<5	0.13	<0.05	0.0002	<0.0002	18	<0.001	<0.001	0.048	0.002	0.33	0.006	<0.05	<0.05	0.095	0.036	23	0.079	0.026	0.04	0.003	0.6	<5	<5	0.06	<0.005

A single non-compliance for the Site 5 trigger level for copper (filtered) was measured on 23 February 2023. We note that the Site 1 and GS200 has filtered copper, cobalt and nickel concentrations orders of magnitude in excess of the values measured at Site 5.

Notes on sample data

1: Trigger Values only apply to Site 5 during discharge.

2: Laboratory samples were collected on 27 March 2023 as per WDL177-10 requirements. There results have not yet been returned from the laboratory. These will be reported in the next monthly discharge report.

3. We note that the water quality at GS200 and Site 1 is considerably worse that at Site 5, indicating that water quality from the discharge point was having negligible impact on the East Finnis River.

Licence condition 43 - Flow data from DAMOUT1 at the flow meter.

Flow meter readings at Site 2.

Discharge was occurring from Site 5 28 February and 31 March 2023 with a total discharge of 294ML.

Licence condition 3 - Date, time and duration of each discharge event.

Event 1

Start Date = 28 February 2023

Time start: 16:00 hours

End Date = 31 March 2023

Time End: 09:15

Duration of event: 30 days, 17 hours, 15 mins

Discharge volume: 294,406 m^3

Note that the March 2023 discharge event is continuing into April 2023.

Licence condition 43 - Summary of water inventory.

The Site water inventory as follows:

Total water treated March 2023: **154 ML**
Total water discharged March 2023: **294 ML**
Total water used for dust suppression for March 2023: **0 m^3**
Total rainfall for March 2023: **298 mm**

Pond name	Gauge height (28/2/2023)	Gauge Height (31/3/2023)
Sed dam	1.22	0.25
Pit level	56.66	57.30
BSS	1.55	0.34
PAF	1.46	0.04
SP3	3.14	0.21
SRO	1.09	0.90

Discharge events
A measured flow total of 294ML of water was discharged during 28 February – 31 March 2023.

Licence condition 43 - A summary of any trigger value exceedances for the month.

Discharge was occurring from Site 5 between 28 February – 31 March 2023.

The WDL trigger values for pH and EC measured at Site 5 were in compliance during the discharge period. One instances on non-compliant turbidity (where Site 5 NTU > 10 when Site 4 NTU < 10) occurred on 25 March 2023. This result (Site NTU 18.3) appears somewhat anomalous given the

turbidity on preceding and proceeding days was in the order of 0-3 NTU at Site 5. It was observed that dirty water was being discharged from the carpark at that time.

One exceedance of the WDL trigger level for filtered copper was measured on 23 February 2023. All other laboratory results for Site 5 during the March 2023 discharge event were compliant with the WDL concentration limits.

Licence condition 43 -	***Water quality management actions taken in the event of an exceedance.***

300mm of rain fell during March 2023, leading to elevated turbidity throughout the catchment area during high rainfall periods. Water treatment has run at capacity and careful management of potentially contaminated water within site bunds has occurred. No change in site management is proposed.

During rainfall, it has been identified that substantial flows of turbid water enter the site from tracks and roads upstream of the site as shown in Figure 1. This turbid water runs adjacent to the sediment dam and intersects Middlebrook Creek between Site 4 and Site 5.



Figure 1 Track upstream of site that discharge turbid water to site 5 during rainfall.

NTR has limited capacity to control upstream run-on to the site or to Middlebrook Creek where it enters the creek between monitoring points Site 4 and Site 5.

Please contact me on +61 437 690 958 or greg.molloy@ntresources.com.au if you require any further information.

Kind Regards



Greg Molloy

General Manager

Northern Territories Resources Pty Ltd

Our Ref: NTR-ENV-LET-104
3 May 2023

NT Environmental Protection Authority
Environmental Authorisations
c/-Julia Schult
Email: waste@nt.gov.au

Dear Julia

WDL 177-10 – April 2023 Monthly Discharge Report as per Licence Condition 43

In accordance with WDL 177-10 condition 43, Northern Territories Resources Pty Ltd (NTR) submits the Monthly Discharge report for April 2023.

Relevant water quality parameters and metal concentrations were recorded during the period of discharge (see Tables 1 & 2)

Licence condition 43 - *Water quality data.*

Field water quality measurements were taken from the respective monitoring and compliance sites according to the requirements of Appendix 2 of the WDL once discharge commenced and/or there was flow at the monitoring sites.

The field monitoring results measured during April 2023 are shown in Table 1.

Table 1 Field monitoring results for April 2023

				Field						Inorganics
				Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
				oC	mg/L	mV	%	µS/cm	-	NTU
EQL										
WDL177-10 Trigger Levels								700	6.5-8.5	10
Field ID	**Date**	**Time**	**Sample Comments**							
SITE1	**03 Apr 2023**	**7:36:00**	**colour= clear, flow= low,**	28.2	2.96	201	37.5	280	7.03	8.3
SITE1	**11 Apr 2023**	**9:42:00**	**colour= clear, flow= med**	28.7	3.89	204	50.1	154	7.24	9.2
SITE1	**17 Apr 2023**	**7:46:00**	**colour= clear, flow= med**	23.9	3.69	193	43.8	138	7.7	9.5
SITE1	**24 Apr 2023**	**8:02:00**	**colour= clear, flow= low,**	25.6	4.78	204	58	200	7.26	9.6
SITE2	**03 Apr 2023**	**8:52:00**	**dam gauge ht = .27, colou**	32.1	2.9	145	39	338	7.57	3.6
SITE2	**11 Apr 2023**	**10:57:00**	**dam gauge ht = .9, colour**	31.5	3.84	126	51.4	331	7.5	6
SITE2	**17 Apr 2023**	**8:41:00**	**dam gauge ht = .26, colou**	27.4	3.51	129	44.1	316	7.8	3.2
SITE2	**24 Apr 2023**	**9:02:00**	**dam gauge ht = .22, colou**	27.8	3.67	143	46.8	341	7.84	4.2
Site4	**01 Apr 2023**	**8:56:00**	**Colour= crystal, Clarity =**	27.6	3.42	201	8.8	136.8	7.05	5.6
Site4	**02 Apr 2023**	**8:59:00**	**Colour= crystal, clean, Cl**	27.9	2.74	205.7	7	88.3	6.68	4.3
Site4	**03 Apr 2023**	**9:06:00**	**Colour = crystal, Clarity =**	28.7	4.02	181	51.2	27.3	7.27	4.4
Site4	**04 Apr 2023**	**8:25:00**	**Colour = clear, Clarity = c**	26.6	3.19	211.2	40.1	32.2	7.38	6.4
Site4	**05 Apr 2023**	**8:30:00**	**Colour = clear, Clarity = c**	26.6	3.49	192.5	41.9	24.2	6.89	4.3
Site4	**06 Apr 2023**	**7:35:00**	**Colour = clear, Clarity = c**	25.9	2.9	196.4	35.5	26.5	6.47	5.4
Site4	**07 Apr 2023**	**7:45:00**	**Colour = clear, Clarity = c**	25.9	3.05	194.9	40.1	29.2	6.8	5.1
Site4	**08 Apr 2023**	**9:24:00**	**Colour = clear, Clarity = c**	26.6	4.42	209.3	53.9	25.03	6.56	2.5
Site4	**09 Apr 2023**	**10:13:00**	**Colour = clear, Clarity = c**	27.2	4.38	203.8	50.1	27.2	6.61	2.9
Site4	**10 Apr 2023**	**7:23:00**	**Colour = slightly brownis**	26.3	3.31	220.5	40.4	36.3	6.88	5
Site4	**11 Apr 2023**	**8:15:00**	**Colour = clear, Clarity = c**	26.3	30.2	200	37.3	22.9	7.21	6.3
Site4	**12 Apr 2023**	**7:40:00**	**Colour = clear, Clarity = c**	26.4	2.4	234.2	30.6	131.8	5.8	5
Site4	**13 Apr 2023**	**8:00:00**	**Colour = clear, Clarity = c**	26.8	2.37	192	29.4	22.44	7.47	4.5
Site4	**14 Apr 2023**	**8:15:00**	**Colour = clear, Clarity = c**	26.7	3.96	219.1	35.4	27.9	6.12	6.9
Site4	**15 Apr 2023**	**7:40:00**	**Colour = clear, Clarity = c**	26.5	3	191.4	36	23.48	7.34	4.5
Site4	**16 Apr 2023**	**8:59:00**	**Colour = crystal, Clarity =**	27.1	3.08	193.3	7.9	106.6	6.12	5.6
Site4	**17 Apr 2023**	**8:55:00**	**Colour = crystal, Clarity =**	24.6	3.84	159	46.2	26.6	7.64	5.2
Site4	**18 Apr 2023**	**9:01:00**	**Colour = crystal, Clarity =**	23.5	4.46	247.2	10.6	74.7	7.48	5
Site4	**19 Apr 2023**	**13:30:00**	**Colour = clear, Clarity = c**	29.9	6.15	211	85	18.03	8.15	5.1
Site4	**20 Apr 2023**	**7:00:00**	**Colour = clear, clarity = cl**	23.5	3.04	280.8	35.9	21.2	7.29	4.2
Site4	**21 Apr 2023**	**7:20:00**	**Colour = clear, clarity = cl**	24.5	5.99	269.5	67.1	21.02	7.25	3.8
Site4	**22 Apr 2023**	**7:40:00**	**Colour = clear, Clarity = c**	24.8	4.88	179.8	67	20.65	7.65	4.1
Site4	**23 Apr 2023**	**8:45:00**	**Colour = clear, Clarity = c**	24.6	5.02	196	40.2	22.04	6.73	3.8
Site4	**25 Apr 2023**	**9:26:00**	**Colour = crystal, Clarity =**	26.6	4.39	262.9	53.1	51.5	7.75	7.2
Site4	**26 Apr 2023**	**8:15:00**	**Colour = clear, Clarity = c**	26.3	3.9	249.6	50.4	20.64	8.18	6.4
Site4	**27 Apr 2023**	**7:27:00**	**Colour = crystal, Clarity =**	26	3.16	268	37.6	33.2	7.34	7.9
Site4	**28 Apr 2023**	**8:10:00**	**Colour = clear, Clarity = c**	26.5	3.1	218.5	42	20.66	6.55	6.9
Site4	**29 Apr 2023**	**7:50:00**	**Colour = clear, Clarity = c**	25.4	3.26	251.4	38	20.86	6.83	5.7
Site4	**30 Apr 2023**	**6:55:00**	**Colour = clear, Clarity = c**	24.9	3.44	246.1	36.4	23.57	7.37	5.8
Site5	**01 Apr 2023**	**9:11:00**	**Colour = crystal, Clarity =**	29.7	2.36	163.8	6.4	254	6.71	3.5
Site5	**02 Apr 2023**	**9:17:00**	**Colour= crystal, clean, Cl**	29.8	2.32	160.5	6.3	257	6.66	4.8
Site5	**03 Apr 2023**	**8:42:00**	**Colour = crystal, Clarity =**	30.3	2.24	158	29.3	262	7.25	3.3
Site5	**04 Apr 2023**	**8:10:00**	**Colour = clean, Clarity = c**	27.1	2.27	199.4	27.7	125.1	7.11	5.5
Site5	**05 Apr 2023**	**8:20:00**	**Colour = clear, Clarity = c**	27	2.85	192.3	34.5	85.9	6.45	6.5
Site5	**06 Apr 2023**	**7:20:00**	**Colour = clear, Clarity = c**	26.9	2.62	198.6	32.3	90.8	6.59	5.2
Site5	**07 Apr 2023**	**7:30:00**	**Colour = clear, Clarity = c**	26.3	2.5	196.8	30.8	95.3	6.61	4.5
Site5	**08 Apr 2023**	**9:38:00**	**Colour = clear, Clarity = c**	26.4	4.14	159	54	127.9	6.59	7.5
Site5	**09 Apr 2023**	**10:25:00**	**Colour = clear, Clarity = g**	27.3	4.17	154.2	52.6	124.3	6.68	5.8
Site5	**10 Apr 2023**	**7:37:00**	**Colour = slighjtly browni**	26.4	3.03	178.4	38.2	112.9	6.49	5.7
Site5	**11 Apr 2023**	**8:01:00**	**Colour = clear, Clarity = c**	26.2	2.66	192	32.7	106	7.56	8.2
Site5	**12 Apr 2023**	**8:00:00**	**Colour = clear, Clarity = c**	27.7	2.51	185.3	31.9	273	6.64	3.4
Site5	**13 Apr 2023**	**7:40:00**	**Colour = clear, Clarity = c**	28.2	2.94	185.3	43	246	7.37	4.5
Site5	**14 Apr 2023**	**8:31:00**	**Colour = clear, Clarity = c**	27.6	3.32	182	46.1	214.3	6.66	4.8
Site5	**15 Apr 2023**	**7:20:00**	**Colour = clear, Clarity = c**	27.4	3.6	158.3	49.4	198.4	7.4	4.8
Site5	**16 Apr 2023**	**9:18:00**	**Colour = clear-murky, Cla**	28.6	2.64	145.7	6.8	229.1	6.47	5.9
Site5	**17 Apr 2023**	**8:15:00**	**Colour = crystal, Clarity =**	25.3	3.29	177	40	180	7.63	4.9
Site5	**18 Apr 2023**	**9:18:00**	**Colour = crystal, Clarity =**	24.1	3.22	252	7.9	181.5	7.27	4
Site5	**19 Apr 2023**	**13:15:00**	**Colour = clear, Clarity = c**	27	5.46	221.5	65.4	177.1	7.78	4.1
Site5	**20 Apr 2023**	**6:50:00**	**Colour = clear, clarity = cl**	24.6	3.17	244.5	37.9	201.7	7.17	3.7
Site5	**21 Apr 2023**	**7:05:00**	**Colour = clear, clarity = cl**	25.6	3.82	216.5	43.1	220.6	7.45	3.5
Site5	**22 Apr 2023**	**7:20:00**	**Colour =clear, Clarity = c**	25.3	4.74	142.7	53.7	223.6	6.86	3.3
Site5	**23 Apr 2023**	**8:30:00**	**Colour = clear, Clarity = c**	26	3.4	146.6	39.3	180.2	6.81	3.5
SITE5	**24 Apr 2023**	**8:34:00**	**colour=clear, flow= low-**	24.9	3.42	172	41.4	162.9	7.05	5.4
Site5	**25 Apr 2023**	**9:44:00**	**Colour = clear-murky, Cla**	26.5	3.44	234.2	41.9	78.3	6.82	8.6
Site5	**26 Apr 2023**	**7:50:00**	**Colour = clear, Clarity = c**	26.9	3.83	218.7	45.5	73	8.19	8.6
Site5	**27 Apr 2023**	**7:46:00**	**Colour = clear, , Clarity =**	26.4	2.46	269.5	30.3	74.5	6.65	8.3
Site5	**28 Apr 2023**	**7:30:00**	**Colour = clear, Clarity = c**	27.1	3.36	198.5	39.7	78.3	6.6	7.4
Site5	**29 Apr 2023**	**7:30:00**	**Colour = clear, Clarity = c**	25.9	4.2	233	48.5	75.4	5.8	7.7
Site5	**30 Apr 2023**	**7:15:00**	**Colour = clear, Clarity = c**	25.7	2.46	240.7	29.8	74.7	6.55	7.3
TREAT01	**03 Apr 2023**	**8:13:00**	**treating, colour = clear**	31.5	3.74	116	50.1	361	9.52	9.6
TREAT01	**11 Apr 2023**	**11:28:00**	**treating, colour = clear**	29.6	3.89	89	50.4	290	9.43	11.6
TREAT01	**17 Apr 2023**	**9:13:00**	**treating, colour = clear**	27	4.11	101	51	352	9.3	4
TREAT01	**24 Apr 2023**	**9:32:00**	**treating, colour = clear**	27.7	3.85	124	48.2	363	9.54	7.7
GS200	**03 Apr 2023**	**7:55:00**	**colour=clear, flow= low-**	29.9	3.59	198	47	249	7.26	6.8
GS200	**11 Apr 2023**	**7:48:00**	**Colour=clear, Depth= 1.6**	27	3.57	228	45.1	172	7.48	6.8
GS200	**11 Apr 2023**	**9:58:00**	**colour=clear, flow= med**	29.1	4.6	179	50.8	168	7.2	8.5
GS200	**17 Apr 2023**	**8:01:00**	**colour=clear, flow= med**	25.6	3.91	193	47.4	164	7.26	7.7
GS200	**24 Apr 2023**	**8:19:00**	**colour=clear, flow= low-**	25.9	3.72	193	45.4	204	7.23	9

Note: As per Note 5 in Table 2 Monitoring Requirements of WDL177-10, Trigger values for Turbidity and Total Suspended Solids are based on 80th percentile data from Site 4 from the 2020/21 and 2021/22 wet seasons. If trigger values are exceeded upstream of the compliance point (Site 4) on the date of sampling, exceedances at Site 5 do not count towards notifiable incidents specified at Item 10.

The WDL trigger values for pH and EC measured at Site 5 were in compliance during the discharge period, except on 16 April 2023 where pH was measured at Site 5 at 6.47. However, pH at Site 4 was 6.12 on the same date. This suggests that acidic water was flowing from upstream to make the Site 5 monitoring compliance point non-compliant.

The metals and inorganics concentrations for samples taken April 2023 are shown in Table 3. Note laboratory sample data has not been provided to NTR for samples collected on 24 April upon submission of this monthly report. These data will be provided in the annual report given that discharges have ceased for this wet season.

Table 2 Laboratory results for April 2023

		Inorganics									Metals																								
During discharge	1hr before discharge	Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	5	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
WDL177-10 Trigger Levels										6		0.08		0.0004			0.006		0.013		0.0025				0.0066			2.5		0.013					0.015
WDL177-10 Triple Trigger Levels										18		0.24		0.0012			0.018		0.039		0.0075				0.0198			7.5		0.039					0.045
Field ID	**Date**																																			
GS200	**27 Mar 2023**	23	<10	<20	23	<1	3	56	72	<5	0.19	<0.05	<0.0002	<0.0002	6.2	<0.001	<0.001	0.05	0.05	0.079	0.039	0.45	<0.05	<0.001	<0.001	14	0.17	0.17	0.047	0.047	0.7	<5	<5	0.065	0.065
SITE1	**27 Mar 2023**	37	<10	<20	37	<1	2.8	49	61	<5	0.25	0.05	<0.0002	<0.0002	4.6	<0.001	<0.001	0.035	0.035	0.069	0.037	0.41	<0.05	<0.001	<0.001	12	0.12	0.12	0.032	0.032	0.6	<5	<5	0.044	0.041
SITE2	**27 Mar 2023**	42	<10	<20	42	1.1	3.6	100	130	<5	<0.05	<0.05	<0.0002	<0.0002	17	<0.001	0.001	0.003	<0.001	0.011	0.007	<0.05	<0.05	0.004	<0.001	22	0.036	0.01	0.006	0.005	0.6	<5	<5	0.007	0.005
SITE4	**27 Mar 2023**	<20	<10	<20	<20	<1	1.9	<5	<5	<5	0.06	<0.05	<0.0002	<0.0002	<0.5	0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.17	0.07	<0.001	<0.001	0.6	<0.005	<0.005	<0.001	<0.001	0.6	<5	<5	<0.005	<0.005
SITE5	**27 Mar 2023**	33	<10	<20	33	1.9	3.4	52	78	<5	<0.05	<0.05	<0.0002	<0.0002	10	<0.001	<0.001	<0.001	<0.001	0.003	0.002	0.28	<0.05	<0.001	<0.001	13	0.037	0.034	0.001	<0.001	0.6	<5	<5	<0.005	<0.005
SITE5	**27 Mar 2023**	35	<10	<20	35	<1	3.6	52	82	<5	<0.05	<0.05	<0.0002	<0.0002	10	<0.001	<0.001	<0.001	<0.001	0.003	0.002	0.27	0.05	<0.001	<0.001	14	0.039	0.034	0.001	0.001	0.6	<5	<5	<0.005	<0.005
TREAT01	**27 Mar 2023**	27	14	<20	41	<1	2.7	130	150	<5	<0.05	<0.05	<0.0002	<0.0002	25	<0.001	<0.001	0.026	0.003	0.21	0.015	<0.05	<0.05	0.041	0.031	22	0.02	<0.005	0.017	0.003	0.6	<5	<5	0.062	<0.005
GS200	**03 Apr 2023**	23	<10	<20	23	<1	3.8	89	110	5.2	0.23	<0.05	0.0003	0.0002	9.6	<0.001	<0.001	0.081	0.075	0.11	0.039	0.55	<0.05	0.001	<0.001	20	0.25	0.23	0.073	0.067	0.7	7	<5	0.11	0.094
Site 1	**03 Apr 2023**	22	<10	<20	22	<1	3	82	100	<5	0.36	<0.05	0.0004	0.0003	8.1	<0.001	<0.001	0.077	0.077	0.12	0.061	0.4	<0.05	0.001	<0.001	20	0.25	0.24	0.067	0.065	0.8	8	<5	0.098	0.09
Site 2	**03 Apr 2023**	44	<10	<20	44	<1	4.3	110	150	<5	<0.05	<0.05	<0.0002	<0.0002	21	<0.001	<0.001	0.003	<0.001	0.012	0.007	<0.05	<0.05	0.003	<0.001	25	0.033	0.006	0.005	0.005	0.7	<5	<5	0.006	<0.005
Site 4	**03 Apr 2023**	<20	<10	<20	<20	<1	2.2	<5	<5	<5	<0.05	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.19	0.07	<0.001	<0.001	0.8	0.006	<0.005	<0.001	<0.001	0.6	<5	<5	<0.005	<0.005
Site 5	**03 Apr 2023**	33	<10	<20	33	<1	3.8	74	110	<5	<0.05	<0.05	<0.0002	<0.0002	14	0.001	<0.001	0.001	<0.001	0.003	0.002	0.29	<0.05	<0.001	<0.001	18	0.046	0.039	0.001	0.001	0.6	<5	<5	<0.005	<0.005
Site 5	**03 Apr 2023**	38	<10	<20	38	<1	3.8	74	110	<5	<0.05	<0.05	<0.0002	<0.0002	14	<0.001	<0.001	0.001	<0.001	0.003	0.001	0.28	<0.05	<0.001	<0.001	18	0.047	0.038	0.001	<0.001	0.6	<5	<5	<0.005	<0.005
Treat 01	**03 Apr 2023**	29	20	<20	49	1.1	4	110	170	10	<0.05	<0.05	<0.0002	<0.0002	12	<0.001	<0.001	0.006	<0.001	0.013	0.002	<0.05	<0.05	0.004	<0.001	34	0.059	<0.005	0.013	0.003	0.7	<5	<5	0.061	<0.005
GS200A	**11 Apr 2023**	<20	<10	<20	<20	<1	3.1	47	58	<5	0.19	<0.05	<0.0002	0.0002	4.6	<0.001	<0.001	0.049	0.047	0.083	0.041	0.48	<0.05	<0.001	<0.001	11	0.17	0.16	0.046	0.044	0.6	<5	<5	0.056	0.055
GS200	**11 Apr 2023**	<20	<10	<20	<20	<1	3.5	47	61	<5	<0.05	<0.05	<0.0002	<0.0002	5	<0.001	<0.001	0.045	0.045	0.036	0.036	<0.05	<0.05	<0.001	<0.001	12	0.15	0.15	0.041	0.041	0.8	<5	<5	0.046	0.046
Site1	**11 Apr 2023**	22	<10	<20	22	<1	3.2	39	51	<5	0.25	0.05	<0.0002	<0.0002	3.9	<0.001	<0.001	0.034	0.034	0.074	0.037	0.41	<0.05	<0.001	<0.001	10	0.13	0.13	0.032	0.031	0.7	<5	<5	0.031	0.029
Site2	**11 Apr 2023**	41	<10	<20	41	<1	4	110	140	<5	<0.05	<0.05	<0.0002	<0.0002	17	<0.001	<0.001	0.003	<0.001	0.012	0.007	0.06	<0.05	0.005	<0.001	24	0.045	<0.005	0.006	0.004	0.7	<5	<5	0.011	0.005
Site4A	**11 Apr 2023**	<20	<10	<20	<20	<1	2	<5	<5	<5	0.08	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.22	0.08	<0.001	<0.001	0.7	0.007	<0.005	<0.001	<0.001	0.8	<5	<5	<0.005	<0.005
Site4	**11 Apr 2023**	<20	<10	<20	<20	<1	2.4	<5	<5	<5	0.06	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.17	0.06	<0.001	<0.001	0.6	<0.005	<0.005	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
Site5A	**11 Apr 2023**	21	<10	<20	21	<1	4.1	18	38	<5	0.08	<0.05	<0.0002	<0.0002	3.5	<0.001	<0.001	<0.001	<0.001	0.002	0.001	0.42	0.07	<0.001	<0.001	7	0.017	0.013	<0.001	<0.001	1.1	<5	<5	<0.005	<0.005
Site5	**11 Apr 2023**	42	<10	<20	42	<1	5	56	100	<5	<0.05	<0.05	<0.0002	<0.0002	12	<0.001	<0.001	0.002	<0.001	0.006	0.003	0.25	<0.05	0.001	<0.001	17	0.057	0.036	0.002	0.002	1.1	<5	<5	<0.005	<0.005
Site5	**11 Apr 2023**	43	<10	<20	43	<1	4.9	56	100	<5	0.06	<0.05	<0.0002	<0.0002	13	<0.001	<0.001	0.002	<0.001	0.006	0.003	0.3	<0.05	0.001	<0.001	17	0.056	0.037	0.002	0.002	1.1	<5	<5	<0.005	<0.005
Treat01	**11 Apr 2023**	27	19	<20	46	<1	2.8	80	130	<5	<0.05	<0.05	<0.0002	<0.0002	16	0.002	<0.001	0.006	<0.001	0.017	0.003	<0.05	<0.05	0.016	0.002	21	0.025	<0.005	0.006	0.001	0.7	<5	<5	0.015	<0.005
GS200	**17 Apr 2023**	23	<10	<20	23	1.9	3.9	46	72	<5	0.16	<0.05	<0.0002	<0.0002	6.1	<0.001	<0.001	0.041	0.033	0.069	0.037	0.41	<0.05	<0.001	<0.001	14	0.14	0.13	0.038	0.038	1	<5	<5	0.051	0.051
Site 1	**17 Apr 2023**	24	<10	<20	24	1.9	3.6	35	56	<5	0.23	<0.05	<0.0002	<0.0002	4	<0.001	<0.001	0.027	0.026	0.061	0.029	0.4	<0.05	<0.001	<0.001	11	0.1	0.1	0.027	0.026	1	<5	<5	0.028	0.025
Site 2	**17 Apr 2023**	53	<10	<20	53	2.4	4.6	100	170	<5	<0.05	<0.05	<0.0002	<0.0002	22	<0.001	<0.001	0.002	<0.001	0.011	0.007	<0.05	<0.05	0.002	<0.001	27	0.027	0.009	0.005	0.005	0.9	<5	<5	0.007	0.005
Site 4	**17 Apr 2023**	<20	<10	<20	<20	1.7	2.5	<5	33	<5	<0.05	<0.05	<0.0002	<0.0002	2.3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.17	0.07	<0.001	<0.001	6.7	0.005	0.005	<0.001	<0.001	1	<5	<5	<0.005	<0.005
Site 5	**17 Apr 2023**	40	<10	<20	40	2.3	4.3	45	83	<5	<0.05	<0.05	<0.0002	<0.0002	9.7	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.25	<0.05	<0.001	<0.001	14	0.022	0.019	0.001	0.001	0.9	<5	<5	<0.005	<0.005
Site5	**17 Apr 2023**	40	<10	<20	40	2.8	4.2	44	83	5.5	<0.05	<0.05	<0.0002	<0.0002	9.8	<0.001	<0.001	<0.001	<0.001	0.003	0.002	0.28	<0.05	0.021	<0.001	14	0.023	0.02	0.001	0.001	0.9	<5	<5	0.011	<0.005
Treat01	**17 Apr 2023**	31	22	<20	53	4.2	49	120	210	<5	0.07	<0.05	<0.0002	<0.0002	29	<0.001	<0.001	0.054	0.008	0.41	0.026	<0.05	<0.05	0.047	0.03	33	0.046	<0.005	0.036	0.005	2.5	<5	<5	0.049	<0.005

A single non-compliance for the Site 5 trigger level for copper (filtered) was measured on 11 April 2023. This non-compliance was 0.0005 mg/L greater than the trigger level (0.0025 mg/L) and may be a function of the laboratory precision/reporting. We note that the Site 1 and GS200 has filtered copper, cobalt and nickel concentrations orders of magnitude in excess of the values measured at Site 5.

Notes on sample data

1: Trigger Values only apply to Site 5 during discharge.
2: Laboratory samples were collected on 24 April 2023 as per WDL177-10 requirements. There results have not yet been returned from the laboratory. These will be reported in the annual discharge report now that discharge has ceased at the end of the wet season.
3. We note that the water quality at GS200 and Site 1 is considerably worse that at Site 5, indicating that water quality from the discharge point was having negligible impact on the East Finnis River.

Licence condition 43 - *Flow data from DAMOUT1 at the flow meter.*

Flow meter readings at Site 2.

Discharge was occurring from Site 5 in two events from 31 March – 4 April and 11 April – 24 April, with a total discharge of 146 ML.

Licence condition 3 - *Date, time and duration of each discharge event.*

Event 1

Start Date = 31 March 2023

Time start: 09:15 hours

End Date = 4 April 2023

Time End: 02:20 hours

Duration of event: 3 days, 17 hours, 5 mins

Discharge volume: 26,297 m^3

Event 2

Start Date = 11 April 2023

Time start: 09:16 hours

End Date = 24 April 2023

Time End: 07:38 hours

Duration of event: 12 days, 22 hours, 22 mins

Discharge volume: 120,585 m^3

Licence condition 43 - ***Summary of water inventory.***

The Site water inventory as follows:

Total water treated April 2023: **142 ML**
Total water discharged April 2023: **147 ML**
Total water used for dust suppression for April 2023: **223 m^3**
Total rainfall for April 2023: **226 mm**

Pond name	Gauge Height (31/3/2023)	Gauge Height (30/4/2023)
Sed dam	0.25	0.78
Pit level	57.30	56.70
BSS	0.34	0.34
PAF	0.04	0
SP3	0.21	0.56
SRO	0.90	0.40

Discharge events
A measured flow total of 147ML of water was discharged during April 2023.

Licence condition 43 -	***A summary of any trigger value exceedances for the month.***

The WDL trigger values for pH and EC measured at Site 5 were in compliance during the discharge period, except on 16 April 2023 where pH was measured at Site 5 at 6.47. However, pH at Site 4 was 6.12 on the same date. This suggests that acidic water was flowing from upstream to make the Site 5 monitoring compliance point non-compliant.

One exceedance of the WDL trigger level for filtered copper was measured on 11 April 2023 with a measurement of 0.003 mg/L recorded in comparison to a trigger value of 0.0025 mg/L. All other laboratory results for Site 5 during the April 2023 discharge event were compliant with the WDL concentration limits.

Licence condition 43 -	***Water quality management actions taken in the event of an exceedance.***

No water quality management actions were taken.

Please contact me on +61 437 690 958 or greg.molloy@ntresources.com.au if you require any further information.

Kind Regards

Greg Molloy

General Manager

Northern Territories Resources Pty Ltd

APPENDIX H – 2022/23 INVESTIGATION REPORTS

December 2022 – January 2023 Exceedance Investigation

1. An investigation in regard to exceedances identified in the discharge event that commenced on 25 December 2022 and continued through January 2023 was undertaken during the preparation of the January 2023 Monthly Discharge Report. Daily monitoring for field parameters takes place at Site 5 and Site 4, with weekly laboratory samples collected during discharge. No additional monitoring was recommended.
2. NTR received in excess on one metre of rainfall during the December 2022 – January 2023 discharge period. The water treatment plant has operated continuously and bunds with potentially contaminated water (eg, Black Shale Bund) have been carefully managed to ensure no overtopping occurred. Water from potentially contaminated bunds has been blended with cleaner sources of water on site to ensure treatment is discharging high quality water. No additional management actions are recommended.
3. The exceedance were detected by Bruce Blunden on 4 February 2023 when compiling laboratory water quality for the January 2023 monthly discharge report
4. The actual causes of the exceedances are due to high volumes of rainfall being treated and managed on site. High concentrations of metals were measured in the receiving water, often significantly higher than in the Site 5 discharge.
5. Monitoring data from Site 1 and GS200 show that water quality at Site 1 and GS200 is generally very poor, with high concentrations of dissolved copper, cobalt, nickel and zinc. No environmental harm would be attributed to the small exceedances of the WDL177-10 discharge criteria at Site 5.

Exceedances

Date	**Exceedance**	**Comments**
29 January 2023	pH 6.27	Generally acidic water measured at Site 4 during January 2023 – pH generally ~0.5 pH unit less than Site 5
24 December 2022	Exceedance of Cu trigger value	Exceedances very small – Cu measured at Site significantly higher. No impact.
26 December 2022	Exceedance of Cu trigger value	Exceedances very small – Cu measured at Site significantly higher. No impact.
9 January 2023	Exceedance of Cu trigger value	Exceedances very small – Cu measured at Site significantly higher. No impact.
24 January 2023	Exceedance of Cu trigger value	Exceedances very small – Cu measured at Site significantly higher. No impact.

February 2023 Exceedance Investigation

1. An investigation in regard to exceedances identified in the discharge event that commenced on 1 February 2023 and continued through 7 February 2023 was undertaken during the preparation of the February 2023 Monthly Discharge Report. Daily monitoring for field parameters takes place at Site 5 and Site 4, with weekly laboratory samples collected during discharge. No additional monitoring was recommended.
2. Elevated turbidity was recorded at Site 5 during the period 23-28 February 2023. However, high turbidity was also recorded at Site 4 during this period, thereby making the exceedance of the 10 NTU trigger criteria a non-reportable event.
3. An exceedance of the Site 5 turbidity trigger criteria (10 NTU) was recorded 3 February 2023 where 18.8 NTU was measured. Turbidity at Site 4 was 4 NTU at the same time.
4. This result (Site 5 NTU 18.8) appears somewhat anomalous given the turbidity on preceding and proceeding days was in the order of 0-3 NTU.
5. NTR received in excess of 467mm of rainfall during the February 2023 discharge period. The water treatment plant has operated continuously and bunds with potentially contaminated water (eg, Black Shale Bund) have been carefully managed to ensure no overtopping occurred. Water from potentially contaminated bunds has been blended with cleaner sources of water on site to ensure treatment is discharging high quality water. No additional management actions are recommended.
6. The exceedance was detected by Bruce Blunden on 2 March 2023 when compiling field and water quality data for the February 2023 monthly discharge report
7. The actual cause of the is unknown, however turbidity at both Site 4 and Site 5 is generally related to heavy rainfall. 10mm of rainfall had fallen on the 2 February 2023 and may have contributed to elevated turbidity at Site 5.
8. Monitoring data from Site 1 and GS200 show that water quality at Site 1 and GS200 is generally very poor, with high concentrations of dissolved copper, cobalt, nickel and zinc. No environmental harm would be attributed to the small exceedances of the WDL177-10 discharge criteria at Site 5.

Exceedances

Date	**Exceedance**	**Comments**
3 February 2023	Turbidity 18.8 NTU	Site 4 turbidity < 10 NTU. Likely caused by rainfall in preceding day.

March 2023 Exceedance Investigation

1. An investigation in regard to exceedances identified in the discharge event that commenced on 1 March 2023 and continued through 31 March 2023 was undertaken during the preparation of the March 2023 Monthly Discharge Report. Daily monitoring for field parameters takes place at Site 5 and Site 4, with weekly laboratory samples collected during discharge. No additional monitoring was recommended.
2. Elevated turbidity was recorded at Site 5 during the period 6 & 7 March 2023. However, high turbidity was also recorded at Site 4 during this period, thereby making the exceedance of the 10 NTU trigger criteria a non-reportable event.
3. An exceedance of the Site 5 turbidity trigger criteria (10 NTU) was recorded 25 March 2023 where 18.3 NTU was measured. Turbidity at Site 4 was 3 NTU at the same time.
4. This result (Site 5 NTU 18.3) appears somewhat anomalous given the turbidity on preceding and proceeding days was in the order of 0-3 NTU, however dirty water was observed flowing into the creek about Site 5 from the carpark.
5. The trigger value for filtered copper was recorded for 23 February 2023. Copper measured at Site 1 and GS200 was significantly higher on that day.
6. NTR received 300mm of rainfall during the March 2023 discharge period. The water treatment plant has operated continuously and bunds with potentially contaminated water (eg, Black Shale Bund) have been carefully managed to ensure no overtopping occurred. Water from potentially contaminated bunds has been blended with cleaner sources of water on site to ensure treatment is discharging high quality water. No additional management actions are recommended.
7. The exceedance was detected by Bruce Blunden on 1 April 2023 when compiling field and water quality data for the March 2023 monthly discharge report.
8. The actual cause of the is unknown, however turbidity at both Site 4 and Site 5 is generally related to heavy rainfall.
9. Monitoring data from Site 1 and GS200 show that water quality at Site 1 and GS200 is generally very poor, with high concentrations of dissolved copper, cobalt, nickel and zinc. No environmental harm would be attributed to the small exceedances of the WDL177-10 discharge criteria at Site 5.

Exceedances

Date	**Exceedance**	**Comments**
25 March 2023	Turbidity 18.3 NTU	Site 4 turbidity < 10 NTU. Likely caused by heavy rainfall.
23 February 2023	Copper (filtered) 0.006mg/L	Nil

April 2023 Exceedance Investigation

1. An investigation in regard to exceedances identified in the discharge events that occurred in May 2023 was undertaken during the preparation of the April 2023 Monthly Discharge Report. Daily monitoring for field parameters takes place at Site 5 and Site 4, with weekly laboratory samples collected during discharge. No additional monitoring was recommended.
2. The WDL trigger values for pH and EC measured at Site 5 were in compliance during the discharge period, except on 16 April 2023 where pH was measured at Site 5 at 6.45. However, pH at Site 4 was 6.12 on the same date. This suggests that acidic water was flowing from upstream to make the Site 5 monitoring compliance point non-compliant.
3. A single non-compliance for the Site 5 trigger level for copper (filtered) was measured on 11 April 2023. This non-compliance was 0.0005 mg/L greater than the trigger level (0.0025 mg/L) and may be a function of the laboratory precision/reporting. We note that the Site 1 and GS200 has filtered copper, cobalt and nickel concentrations orders of magnitude in excess of the values measured at Site 5.
4. The exceedance was detected by Bruce Blunden on 1 May 2023 when compiling field and water quality data for the April 2023 monthly discharge report.
5. Monitoring data from Site 1 and GS200 show that water quality at Site 1 and GS200 is generally very poor, with high concentrations of dissolved copper, cobalt, nickel and zinc. No environmental harm would be attributed to the small exceedances of the WDL177-10 discharge criteria at Site 5.

Exceedances

Date	**Exceedance**	**Comments**
11 April 2023	Copper (filtered) 0.003mg/L	Nil
16 April 2023	pH (6.45)	Nil