REPORT NO. 212022/1

MYRA FALLS MINE

2021 MONITORING REPORT FOR EFFLUENT PERMIT PE-6858



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Executive Summary

General

This is the 2021 Monitoring Report for Effluent Permit PE-6858. This report was prepared by Robertson GeoConsultants Inc. (RGC) and the Myra Falls Mine (MFM) Environment Department. **Table E1** summarizes events outside of normal operating parameters in 2021. Further details on these events and 2021 monitoring data are provided below.

Authorized Discharges

In total, 13,361,800 cubic meters (m^3) of treated effluent (MP-EFF) were discharged to Myra Creek in 2021. Monthly average treated discharge rates ranged from 644,900 m^3 in August 2021 to 1,891,400 m^3 in January 2021. Daily effluent discharge rates in 2021 ranged from 12,058 m^3/day (September 24th) to 118,413 m^3/day (January 2nd). The average daily discharge rate in 2021 was 36,800 m^3/day, or 11,200 m^3/day lower than the 48,000 m^3/day that is authorized by Permit PE-6858. Hence the daily average discharge rates in 2021 were compliant with Permit PE-6858. No exceedances of authorized discharge rates for Price Mine Effluent (Price 13L) occurred in 2021. Water conveyed by the Diversion Ditch Springs Drain (DDSD) (monitored at station TDF-EFF) was directed to the water treatment system throughout 2021, so there was no discharge (release) of this water to Myra Creek in 2021.

Approximately 320,000 tonnes of tailings solids were deposited in the Lynx TDF in 2021. The estimated average discharge rate of tailings slurry (solids + water) over the year was 1,549 m^3/day. This is about 36% of the authorized average annual rate of tailings discharge (4250 m^3/day) and 19% of the maximum authorized rate (8000 m^3/day) of tailings discharge to the Lynx TDF. Further information on the proportions of paste tailings and whole tailings discharged to the Lynx TDF and the timing of these discharges is needed to determine discharge rates with more accuracy. It is, however, unlikely that the tailings discharge rate to the Lynx TDF exceeded the maximum permitted discharge rate in 2021. Tailings discharge to the Lynx TDF in 2021 is therefore considered compliant with the authorized rate in Effluent Permit PE-6858.

Unauthorized Discharge Events

There were two unauthorized discharge events in 2021. One occurred on September 17th, when turbid runoff from the public road reported to Myra Creek during a high intensity rainfall event. In total, an estimated 54,000 L of runoff reported to Myra Creek during the event. Total Suspended Solids (TSS) and some metal concentrations in the flows to the creek were elevated and the samples showed no acute toxicity. The other unauthorized discharge event occurred when the 25-Sump overtopped on October 25th during a high rainfall event, in part due to debris that obstructed the float switch that turns the back-up pumps on, and additional flows to the 25-Sump from the project office area during this high rainfall event.

Unauthorized discharge on October 25th ceased when a back-up pump was started. A grab sample showed acute toxicity for trout but samples collected downstream showed 100% survival. Concentrations of Cu and Zn in Myra Creek exceeded BC Water Quality Guideline (WQGs) during both of the unauthorized discharge events in 2021. However, these exceedances cannot be attributed to the spill event, as both of these metals typically exceed BC WQGs in Myra Creek.

Discharge Limit Exceedances for Treated Mine Effluent (MP-EFF)

Six discharge limit exceedances occurred in 2021. The discharge limits for TSS and Zn-t were exceeded on January 1st, 2021. The TSS discharge limit was also exceeded on January 5th and January 10th, 2021, when flows to the water treatment system were high due to heavy rainfall. The Cd-d discharge limit for

treated effluent was also exceeded in the daily composite sample for September 30th, and the Zn-d discharge limit for Price Mine Effluent was exceeded on March 10th, 2021. Each of these discharge limit exceedances represent permit non-compliance events.

Discharge Limit Exceedances for Old TDF Decant (TDF-EFF)

Six samples of Tailings Impoundment Effluent Decant (at station TDF-EFF) exceeded discharge limits for Zn-d or Zn-t in 2021. The elevated Zn concentrations are related to short-term flushing of Acid Rock Drainage/Metal Leaching (ARD/ML) products from local fill and waste rock (Main Spring) to the Diversion Ditch Springs Drain (DDSD). These flows are not released to Myra Creek, as the required equipment has not yet been constructed. Hence the discharge limit exceedances in 2021 are not considered non-compliance events.

Discharge Limit Exceedances for Price Mine Effluent (Price 13L)

The Zn-d concentration in a grab sample of Price Mine Effluent collected on March 10th, 2021, exceeded the discharge limit for this effluent. This exceedance is considered a non-compliance event.

Discharge Limit Exceedances for Treated Sewage Effluent

The 5-day Biological Oxygen Demand (BOD) limit for sewage effluent discharge limit was exceeded in each sample of sewage effluent collected in 2021. The TSS discharge limit was exceeded in sewage effluent from MYRA STP in April 2021. The exceedances for HW STP are related to a broken agitator that will be repaired in 2022. The high TSS for effluent from MYRA STP in April are likely due to a bear breaking into the septic system near camp to consume the solids in the tank. The five permit limit exceedances represent permit non-compliance events.

Water Quality Monitoring for Receiving Environment

One daily composite sample from Myra Creek (at MC-TP4) was missed in 2021 due to an auto-sampler malfunction. Chronic BC WQGs for Al-d, Cd-d, Cu-d, and Zn-t are typically exceeded in Myra Creek downstream of the site at stations MC-TP4 and MC-M2. Acute BC WQGs for these metals are also often exceeded, mainly due to the discharge of ARD/ML-impacted groundwater to Myra Creek that is not captured/intercepted by the Phase I Lynx Seepage Interception System (SIS) in the Lynx Reach or by the Old Tailings Disposal Facility (TDF) under-drains in the Lower Old TDF Reach.

In 2021, water quality in Myra Creek deteriorated due to a change in the operation of the Old TDF under-drains in February 2021, which allowed greater bypass to the creek. The highest metal concentrations were observed in late summer (August/September), when streamflows in Myra Creek were lowest. Further details are provided in the 2021 Reclamation Report, where an assessment of the Old TDF under-drain performance and the performance of the Phase I Lynx SIS in 2021 is provided with additional information on groundwater quality changes in 2021.

Chronic (long-term) BC WQGs are consistently exceeded in Buttle Lake at the Henshaw Creek and Karst Creek stations. Fewer exceedances are observed in Buttle Lake at the Gold River station, as this station is the furthest from the location where Myra Creek discharges to the lake. Field parameters and water quality samples from depths greater than 50 m were missed on several occasions in 2021 (see **Table E1**). These missed samples and field data are considered non-compliance events. Water quality results for Buttle Lake in 2021 were consistent with previous monitoring data. Biological sampling for Buttle Lake in 2021 was compliant with PE-6858.

Table E1

Summary of Events Outside Normal Operating Procedures in 2021

Incident Date	Incident Type	Station	Incident Description	Cause of Incident	PE-6858 Non-Compliance?
January 13th and 14th	Missed sample	MP-EFF-DC	Missed samples for dissolved metals	Insufficient water (auto-sampler) to collect samples for total and dissolved metals	Yes
February 11th	Spill	n/a	Paste tailings bypass to mountainside near Paste Plant	Paste pipe split at elbow	No
March	Permit limit exceedance	Price 13L	Monthly grab sample exceeded Zn-d permit limit	Zn-d in Price 13L mine water flows increased	Yes
April 20th	Spill	n/a	Spill from punctured tote at the mill	Penetration of 1000L tennafroth tote with forklift	No
July 28th	Spill	n/a	2-25L of diesel released from water truck	Rock punctured the tank	No
August 1st	Missed sample	MP-EFF	Missed daily composite sample	Auto-sampler malfunction	Yes
September 17th	Unauthorized discharge	n/a	Road runoff to Myra Creek	Drainage ditch overflowed	Yes
September 30th	Permit limit exceedance	MP-EFF-DC	Cd-d exceeded limit	Storm event caused decreased retention times in water treatment system	Yes
October 25th	Unauthorized discharge	n/a	25-Sump overtopped	Large flows during storm event	Yes
December 20th	Missed sample	MC-TP4	Missed daily composite sample	Auto-sampler malfunction	Yes
Feb	Missed field data	KARST-60/100 HENSHAW-60/100	Field parameters not collected	Probe not long enough to reach below 50 m	Yes
Aug, Oct, Dec	Missed samples	HENSHAW	Missed sample from 100 m depth	Lake is 63-73 m deep; 60 m sample is considered the bottom sample	Yes
Jun, Aug, Oct, Dec	Missed field data	KARST-100	Field parameters not collected from 100 m depth	Probe not long enough to reach below 50 m	Yes

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List of Acronyms and Abbreviations

ARD	Acid Rock Drainage
BLM	Biotic Ligand Model
BOD	Biological Oxygen Demand
CBA	Charge Balance Assessment
CCME	Canadian Council of Ministers of the Environment
MDMER	Metal and Diamond Mine Effluent Regulations
MECC	Ministry of Environment and Climate Change Strategy
ICP-MS	Inductively Coupled Plasma Mass Spectrometry
ML	Metal Leaching
MFM	Myra Falls Mine
QA/QC	Quality Assurance/Quality Control
RPD	Relative Percent Difference
STP	Sewage Treatment Plant
SIS	Seepage Interception System
SSWQO	Site-Specific Water Quality Objectives
TDF	Tailings Disposal Facility
TSS	Total Suspended Solids
WRD	Waste Rock Dump
WQG	Water Quality Guideline

MYRA FALLS

2021 MONITORING REPORT FOR EFFLUENT PERMIT PE-6858

1 INTRODUCTION

1.1 GENERAL

This is the 2021 Monitoring Report for Effluent Permit PE6858. This report was prepared by Robertson GeoConsultants Inc. (RGC) in conjunction wit the Myra Falls Mine Ltd. (MFM) Environment Department.

1.2 TERMS OF REFERENCE

MFM is a base metal mine located at the south end of Buttle Lake on Vancouver Island approximately 90 km southwest of the city of Campbell River. The mining and milling operations produce zinc, copper and lead concentrates that are transported by road to Campbell River. MFM is located in the lower reaches of Myra Valley. Myra Creek flows through the site before discharging to Buttle Lake about 1.5 km east of the original (and inactive) Tailings Disposal Facility (TDF), also known as the “Old TDF”. The only active surface tailings facility at MFM is the Lynx TDF, which has been constructed around the former open pit. Thelwood Valley is south of Myra Valley and largely unaffected by mining activities. Groundwater and surface water in Myra Valley are impacted by Acid Rock Drainage/Metal Leaching (ARD/ML). Most of the ARD/ML-related contaminant loads to groundwater and surface water are related to waste rock in the historic Waste Rock Dumps (WRDs) and the Lynx TDF embankment. The mine operates a system of under-drains beneath the Old TDF to capture impacted groundwater before it discharges to Myra Creek. The Old TDF under-drain system consists of the Tailings Inner Drain, the original (or “Old”) Outer Drains, and the New Outer Drain (NOD). This system of under-drains is highly effective and captures most of the contaminant loads conveyed by groundwater in the valley sediments (see RGC, 2020).

MFM operates the Lynx Seepage Interception System (SIS) in addition to the Old TDF under-drains. The Lynx SIS consists of the Phase I Lynx SIS (a fence of three pumping wells near the Lynx TDF) and the Interim Phase II Lynx SIS near Myra Creek. Impacted groundwater, mine water, and precipitation runoff are directed to the water treatment system for treatment. The water treatment system is a Low-Density Sludge (LDS) system that consists of two lime silos, two sets of mixing/reactor tanks, a primary settling pond called the Superpond, and a series of six polishing ponds (“Myra Ponds”) on the south side of Myra

Creek. MFM is authorized to discharge treated effluent from the water treatment system to Myra Creek and tailings to the Lynx TDF under the conditions outlined in Effluent Permit PE-6858, which is administered by the B.C. Ministry of Environment and Climate Change Strategy (MECC). Sewage effluent discharge and effluent discharge from the Price Pond to Thelwood Creek is also authorized. Further details on mining operations, mine waste management, and the performance of the Lynx SIS and Old TDF under-drains are provided in the 2021 Reclamation Report. Details on the water treatment system and other aspects of the MFM mining operation are provided in MFM's Operation, Maintenance, and Surveillance (OMS) Manual (MFM, 2022).

1.3 REPORT OBJECTIVE

The objective of this report is to fulfill the annual reporting requirements for Effluent Permit PE-6858, including the identification of permit non-compliances in 2021. A summary of the impacts of effluent discharge on the receiving environment, including Myra Creek, Thelwood, Creek, and Buttle Lake is also provided.

1.4 SCOPE OF WORK

This report reviews the effluent and surface water quality monitoring data that are required for Effluent Permit PE-6858 for the period from January 1st, 2021, to December 31st, 2021. Reporting for Operating Permit AMID-927USG (for drinking water) and Metal and Diamond Mining Effluent Regulations (MDMER) is beyond the scope of this report. Groundwater quality monitoring is not required for Effluent Permit PE-6858. Required groundwater and seepage monitoring results for Mines Act Permit M-26 and voluntary groundwater monitoring results (mostly related to SIS performance monitoring) are reviewed in the 2021 Reclamation Report.

1.5 DOCUMENT ORGANIZATION

This report consists of the following sections:

- *Section 1. Introduction.* This section outlines the objectives and scope of this report and provides some background information on the site.
- *Section 2. Routine Monitoring Programs (PE-6858).* This section outlines the routine monitoring programs, including sampling frequencies and analytical testing for effluent and surface water, and summarizes permit limits.
- *Section 3. Data Management and QA/QC.* This section details how the 2021 monitoring data were managed and checked for reliability and details the calculation of provincial WQGs for Myra Creek, Thelwood Creek, and Buttle Lake.

- *Section 4. Compliance Monitoring for Authorized Discharges.* This section summarizes effluent monitoring data for 2021 and identifies missing samples and field results and permit limit exceedances for 2021.
- *Section 5. Water Quality Monitoring for Receiving Environment.* This section provides the surface water quality monitoring data that are required for Effluent Permit PE-6868 and discusses recent trends in water quality and biological data for Buttle Lake.
- *Section 6. Summary*. This section summarizes reportable incidents and non-compliance events for 2021.

2 ROUTINE MONITORING PROGRAMS (PE-6858)

2.1 STREAMFLOW MONITORING

2.1.1 *Streamflow Gauges*

There are two continuous streamflow monitoring stations:

- MYR-BDG-US, and
- MYR-BDG.

Station MYR-BDG-US is the original streamflow monitoring station for Myra Creek and is located beneath the main access road bridge. Station MYR-BDG is the new, long-term streamflow monitoring station installed in 2019. This station is located on the pipe bridge that crosses Myra Creek approximately 1 km downstream of MYR-BDG-US (**Figure 2-1**). Station MYR-BDG is downstream of the effluent discharge point (MP-EFF) and Webster Creek. The new gauge instrumentation consists of a Campbell Scientific datalogger and radio telemetry system. The stage sensor is a non-contact FTS radar sensor, installed in the center of the pipe bridge overlooking the creek.

Station MYR-BDG conforms to RISC (2018) Grade A data quality standards and was installed by Swiftwater Consulting Ltd. ("Swiftwater"). Swiftwater also maintains the gauge and visits MFM routinely to collect streamflow measurements.

2.1.2 *Data Management*

All streamflow records, including field sheets, data files, photographs, and data downloads, are managed using Aquatic Informatics' AQUARIUS software, and continuous discharge data are made available in real-time through Swiftwater's AQUARIUS WebPortal.

2.2 AUTHORIZED DISCHARGE (FLOW) MONITORING

2.2.1 *Tailings Discharge to Lynx TDF*

Continuous tailings discharge to the Lynx TDF is authorized. The maximum authorized rate of discharge of tailings slurry is 8,000 m^3/day. The average annual authorized rate of discharge of tailings slurry is 4,250 m^3/day. Daily tailings discharge volumes to the Lynx TDF are recorded by the mill and paste plant operation and recorded in the historian systems for each facility.

When discharging slurry tailings directly to the Lynx TDF, the flows are directly recorded by the mill. When depositing paste tailings to the tailings facility from the paste plant, the volume is determined by subtracting the volumes pasted to underground from the total paste deposited based on pumping rates and measured percent solids from the paste plant.

2.2.2 *Other Sludge Discharge to Lynx TDF*

MFM operates two sewage treatment plants (STPs) to treat sewage and grey water. The HW STP is located adjacent to the warehouse and operates using a Klargester Roto Pack system. The Myra STP is located near the cookhouse and was replaced with a new dual-tank Segflow biological treatment system in July 2013 and upgraded with an added Segflow unit in 2018. Continuous discharge from the STPs to the Lynx TDF is authorized and there is no maximum authorized rate of discharge.

2.2.3 *Treated Mine Effluent Discharge*

The rate of treated effluent discharge to Myra Creek is monitored continuously by a 30” Parshall flume with an ultrasonic flow measuring device that is located approximately 5 m downstream from the reclaim pumps. The flow rate is recorded every minute in the mill historian and this information is used to calculate the daily discharge rates. The average annual discharge rate that is authorized is 48,000 m^3/day.

2.2.4 *Price Mine Effluent*

Flows from the Price 13 Level Portal are directed to an exfiltration basin referred to as Price Pond. Flows from the portal are measured periodically to ensure permit compliance. Measuring flows is done manually by measuring the time it takes to fill a container of known volume and calculating the flow rate using the average time of three or more tests.

Flow rates are estimated during sampling with a bucket and stopwatch or by visual inspection. This flow is assumed to be the same for each day of the month to estimate the monthly discharge from the Price 13L portal to the Price Pond. The maximum authorized discharge rate from the Price Pond is 5,400 m^3/day. The average annual discharge rate authorized is 3,450 m^3/day.

2.3 INFLUENT AND EFFLUENT WATER QUALITY MONITORING

Table 2-1 summarizes water quality sampling commitments for influent to the water treatment system and the various effluents at the site. Further details are provided in the sub-sections below.

Table 2-1

Summary of Monitoring Requirements for Effluent Permit PE-6858

Station ID	EMS	Description	Monitoring Status (Water Quality)	Obligation	Rationale	Parameters
Influent to Water Treatment System						
MILL DITCH	E311028	Influent to water treatment system	Quarterly	Required (Permit 6858)	Influent monitoring	Effluent analytics[1]
DISSIPATER	E311488	Influent to water treatment system	Quarterly	Required (Permit 6858)	Influent monitoring	Effluent analytics[1]
Effluent Released to Myra Creek						
MP-EFF	E100666	Effluent discharge at 11A-Runoff	Continuous	Required (Permit 6858)	Treated effluent monitoring	Flow rate and pH
MP-EFF-DC	E100666	Effluent discharge at 11A-Runoff	Daily	Required (Permit 6858)	Treated effluent monitoring	Effluent analytics[2]
MP-EFF	E100666	Effluent discharge at 11A-Runoff	Weekly	Required (Permit 6858)	Treated effluent monitoring	Effluent analytics[3]
MP-EFF	E100666	Effluent discharge at 11A-Runoff	Monthly	Required (Permit 6858)	Treated effluent monitoring	Effluent analytics[4]
MP-EFF	E100666	Effluent discharge at 11A-Runoff	Quarterly	Required (MDMER)	Effluent characterization	Effluent analytics[1]
MP-EFF	E100666	Effluent discharge at 11A-Runoff	Semiannual	Voluntary	Treated effluent monitoring	Surface water analytics[5]
TDF-EFF	E207740	Runoff from Old TDF	Daily	Required (Permit 6858)	Old TDF discharge monitoring	Flow rate and Total Zn
TDF-EFF	E207740	Runoff from Old TDF	Weekly	Required (Permit 6858)	Old TDF discharge monitoring	Effluent analytics[3]
TDF-EFF	E207740	Runoff from Old TDF	Monthly	Required (Permit 6858)	Old TDF discharge monitoring	Effluent analytics[4]
TDF-EFF	E207740	Runoff from Old TDF	Quarterly	Required (Permit 6858)	Old TDF discharge monitoring	Toxicity Test[6]
Mine water to Price Pond						
PR-13L	E100662	Mine water flows from Price 13L adit to Price Pond	Monthly	Required (Permit 6858)	Effluent monitoring	Surface water analytics[5]
PR-13L	E100662	Mine water flows from Price 13L adit to Price Pond	Quarterly	Voluntary	Price Mine effluent discharge	Surface water analytics[5]
Sewage Effluent						
HW STP	E311008	Treated sewage effluent	Semiannual	Required (Permit 6858)	Sewage effluent monitoring	TSS and 5-day BOD
Myra STP	E311009	Treated sewage effluent	Semiannual	Required (Permit 6858)	Sewage effluent monitoring	TSS and 5-day BOD

Notes:

All samples are grab samples except the composite daily sample from auto-sampler

[1] pH, TSS, Sulphate, Total Nitrogen, Total Phosphorous, Total Cd, Dissolved Cd, Total Cu, Dissolved Cu, Total Zn, Dissolved Zn

[2] Total Zn, Total Cu (LDL), and Dissolved Cu (LDL)

[3] Total Pb

[4] Dissolved Zn and Dissolved Pb

[5] Field pH, Field EC, Lab pH, Lab EC, Alkalinity, Acidity, Major Cations and Anions, Total and Dissolved Metals

[6] RBT 96 hr Acute Lethality, Single Concentration (undiluted effluent) Test

[7] pH, Total Cu, Dissolved Cu, Total Pb, Dissolved Pb, Total Zn, Dissolved Zn

[8] Total Cd, Dissolved Cd, Dissolved Zn, Total Pb, Dissolved Pb

Abbreviations:

TSS= Total Suspended Solids

BOD = Biological Oxygen Demand

2.3.1 *Influent to Water Treatment System*

Routine monitoring of influent to the water treatment system is required by permit PE-6858. Grab samples are to be collected from two stations:

- MILL DITCH station. Primarily consists of flows from the Lynx 10L East adit, the Lynx Ditch, and decant flows from the Lynx TDF.
- DISSIPATER station. Primarily consists of groundwater flows from the Old TDF under-drains via Pumphouse No. 4 and flows from the Surge Pond and Springs Drain during high flow periods.

Samples of influent are analyzed for a suite of required water quality parameters, including pH, Total Suspended Solids (TSS), Total Nitrogen and Total Phosphorous, and total and dissolved concentrations of cadmium (Cd), copper (Cd), and zinc (Zn), as per permit PE-6858 (see **Table 2-1**). MFM voluntarily analyzes each sample from these stations (and others) for alkalinity, acidity, and a full suite of dissolved metals so these data are also available and may be reported with required parameters (see Section 3). There are no water quality criteria for influent and monitoring is undertaken primarily to assess the quality of water being treated for long-term planning of water management and treatment requirements.

2.3.2 *Treated Mine Effluent Discharge from Myra Ponds*

Routine monitoring of treated effluent flows and water quality is required under effluent permit PE-6858 and the MDMER at station Myra Ponds Effluent (MP-EFF), amongst others. Effluent discharge rates to Myra Creek are monitored continuously using a Parshall Flume fitted with a flowmeter. The pH of treated effluent is monitored at the same location by two pH probes that constantly record to the mill. This system is set up just downstream of the carbon dioxide (CO_2) addition system, which is the final stage of effluent treatment prior to discharge to Myra Creek. Together, the two probes are used to allow for routine cleaning and calibration of the system without a loss of data.

Table 2-2 summarizes discharge limits for treated mine effluent (MP-EFF). Daily, weekly[1], monthly, and quarterly grab samples are collected adjacent to the Parshall flume at station MP-EFF (see **Figure 2-1**). Daily composite (DC) samples of treated effluent released from the Myra Ponds are collected with an auto-

[1] After consultation with both the B.C. ENV and Environment Canada, samples taken at the same location with the same sampling frequency on the same schedule (i.e. weekly) are taken concurrently. Thus, the weekly grab samples are taken as a single sample that includes all parameters required by both regulations.

sampler within the Reclaim Pumphouse[2]. These composite sample are referred to as MP-EFF-DC. The auto-sampler in the Reclaim Pumphouse collects eight (8) equal volume aliquots of water every three hours. These aliquots are combined in the sample collection bottle in the autosampler to make up a single composite daily sample.

A new instrumentation hut was installed above the outlet ditch for the Myra Ponds in 2021. The hut is insulated, heated, clean, and the intake lines can be heat traced to prevent freezing during cold weather. The new sampling location is also in the centre of the Myra Ponds outlet ditch approximately 10 m downstream of the CO_2 sparger and approximately 20 m upstream of the Parshall flume that records discharge rates for treated effluent. Samples were collected from the new sampling location and the original sampling location since August 31st, 2021, to evaluate potential differences in effluent quality. The new sampling location was adopted on October 19th and is now the MP-EFF sampling location (see Section 4.1.5 and Q3 Monitoring Report).

Daily monitoring results are reported to MECC quarterly unless there is an exceedance of permit limits (see Section 3), which are reported immediately upon receiving the result from the third-party laboratory. Quarterly samples are taken in conjunction with monthly samples as outlined in PE-6858 and MDMER. Samples taken at the same location with the same sampling frequency on the same schedule (i.e. weekly) are taken concurrently, as agreed upon by ENV. Thus, the weekly grab samples are taken as a single sample that includes all parameters required by the MDMER and Permit PE-6858. MFM has opted to extend the required sampling to include the full suite of total and dissolved metals as part of the previously discussed initiative to better understand the water chemistry and flow regime in the Myra Valley.

Grab samples for acute toxicity testing are collected at station MP-EFF (11A-RUNOFF) and from Myra Creek upstream of the mine site (at MC-M1) and downstream of the effluent discharge point (at MC+600). Results are reported quarterly using the Environment Canada SWIM reporting system and are due 45 days after the end of the quarter. Acute toxicity samples are analyzed for rainbow trout and *Daphnia magna*. The toxicity criterion for treated mine effluent (MP-EFF) and TDF-EFF is 50% survival in 100% effluent concentration. Monthly grab samples of treated effluent for acute toxicity testing are to be collected and analyzed for rainbow trout and *Daphnia magna* to satisfy requirements of Environment Canada Metal and Diamond Mine Effluent Regulations (MDMER). These monthly tests are used to satisfy the quarterly toxicity monitoring requirements of PE-6858.

[2] Some treated effluent is sequestered in the Reclaim Pumphouse and recycled for use in milling activities, as well as for other surface activities (dust mitigation, etc.).

Table 2-2

Discharge Limits for Treated Effluent from the Myra Ponds

Parameter or Test	Units	Analytical Reporting Limit (typical)*	Discharge limit or Requirement (Permit 6858)
Discharge limits for treated effluent from the final Myra (Polishing) Pond, MP-EFF			
Total Suspended Solids	mg/L	1	25 (discharge rates ≤110,000 m^3/day) 50 (discharge rates >110,000 m^3/day)
pH	pH unit	0.1	6.5 to 10
Total Copper	mg/L	0.0004	0.6
Dissolved Copper	mg/L	0.0004	0.2
Total Zinc	mg/L	0.004	1
Dissolved Zinc	mg/L	0.004	0.5
Dissolved Cadmium	mg/L	0.00001	0.005
Dissolved Lead	mg/L	0.004	0.05
Toxicity RBT 96 hr Acute Lethality, Single Concentation Test		n/a	50% Survival in 100% Effluent Concentration

Notes:
*Typical for local accredited laboratories in British Columbia

2.3.3 *Temporary Discharge from Old TDF*

Daily monitoring of temporary discharge from the Old TDF at station Tailings Impoundment Effluent Decant (TDF-EFF) is required by the MDMER when there are flows observed from the Old TDF to Myra Creek (see **Table 2-3**). Daily, weekly, and monthly grab samples for water quality testing are to be collected at station TDF-EFF when there are observed flows to Myra Creek and a monthly grab sample for toxicity testing will be collected. Monthly grab samples for acute toxicity samples are to be collected and analyzed for rainbow trout and *Daphnia magna*. The same stipulations that apply to sampling at MP-EFF apply to toxicity sampling at TDF-EFF (see Section 2.3.2). No discharge to Myra Creek from this source occurred in 2021, hence samples for toxicity testing were not collected.

Flows from the Old TDF will be monitored when water management facilities for the Old TDF have been appropriately modified to direct water to Myra Creek. Grab samples will be collected from an auto-sampler that collects water from a sump that will be constructed to collect flows from the Diversion Ditch Springs Drain (DDSD) and Diversion Ditch Under-Drains (DDUDs). The sump will be outfitted with an outlet that will

direct water to the LLDD and another (default) outlet to direct water to the East Strip channel and from there to the water treatment system.

Flows from the DDSD may be released directly to Myra Creek when the discharge limits for TDF-EFF from Permit 6858 are achieved (see Section 3). The discharge criteria for TDF-EFF are stricter than the limits imposed upon the treated effluent and monitoring results must indicate that the water to be released meets the permit limits prior to closing the default decant and allowing a direct discharge to Myra Creek. Previous monitoring results suggest DDSD flows may be characterized by concentrations lower than the discharge limits after an initial flushing period. Plans to release effluent from the Old TDF (if only temporarily) and the expected volumes and condition of water to be released will be detailed in future annual monitoring reports (see Section 4).

Water samples from station TDF-EFF represent flows from the DDSD and the DDUDs. Samples are collected when flows from the DDSD or DDUD are observed by site staff. When multiple DDUDs and/or the DDSD are flowing, a single sample that is representative of the quantity of flow from each source is collected. The water sampled at TDF-EFF typically meets discharge limits without treatment and could, therefore, be released directly to Myra Creek. The infrastructure required to do so, however, has not been constructed so any flows observed here are directed to the water treatment system.

Table 2-3

Discharge Limits for Temporary Discharge of Old TDF Effluent

Parameter or Test	Units	Analytical Reporting Limit (typical)*	Discharge limit or Requirement (Permit 6858)
Discharge limits for Temporary Discharge of Old TDF Effluent, TDF-EFF			
Total Suspended Solids	mg/L	1	20
Total Copper	mg/L	0.0004	0.3
Dissolved Copper	mg/L	0.0004	0.25
Total Zinc	mg/L	0.004	0.5
Dissolved Zinc	mg/L	0.004	0.25
Dissolved Cadmium	mg/L	0.00001	0.003
Dissolved Lead	mg/L	0.004	0.03
Toxicity RBT 96 hr Acute Lethality, Single Concentation Test		n/a	50% Survival in 100% Effluent Concentration

Notes:
*Typical for local accredited laboratories in British Columbia

2.3.4 *Price Mine Effluent from Price Pond*

Table 2-4 summarizes discharge limits for Price Mine Effluent from Effluent Permit PE-6858. Most limits are the same as treated effluent from the Myra Ponds (MP-EFF) but the pH range is slightly narrower (pH 6.5 to 8.5) and there is no toxicity testing required.

Table 2-4

Discharge Limits for Price Mine Effluent

Parameter or Test	Units	Analytical Reporting Limit (typical)*	Discharge limit or Requirement (Permit 6858)
Discharge limits for Price Mine Effluent, PR-13L			
Total Suspended Solids	mg/L	1	25
pH	pH unit	0.1	6.5 to 8.5
Total Copper	mg/L	0.0004	0.6
Dissolved Copper	mg/L	0.0004	0.2
Total Zinc	mg/L	0.004	1
Dissolved Zinc	mg/L	0.004	0.5
Dissolved Cadmium	mg/L	0.00001	0.005
Dissolved Lead	mg/L	0.004	0.05

Notes:
*Typical for local accredited laboratories in British Columbia

2.3.5 *Treated Sewage Effluent*

Myra Falls operates two sewage treatment plants (STP's) to treat sewage and grey water. The HW STP is located adjacent to the warehouse and operates using a Klargester Roto Pack system. The Myra STP is located near the cookhouse and was replaced with a new dual-tank Segflow biological treatment system in July 2013 and upgraded with an added Segflow unit in 2018.

Effluent from the sewage treatment plants is pumped to the water treatment system for further treatment before discharge to the receiving environment. The sewage treatment plants are sampled bi-annually for TSS and Biological Oxygen Demand (BOD). Discharge limits for treated sewage effluent are summarized in **Table 2-5**.

Table 2-5

Discharge Limits for Treated Sewage Effluent

Parameter or Test	Units	Analytical Reporting Limit (typical)*	Discharge limit or Requirement (Permit 6858)
Discharge limits for treated sewage effluent, Myra STP and HW STP			
5-day Biochemical Oxygen Demand			45
Total Suspended Solids	mg/L	1 mg/L	60

Notes:
*Typical for local accredited laboratories in British Columbia

2.4 SURFACE WATER QUALITY MONITORING – MYRA CREEK AND THELWOOD CREEK

2.4.1 *Myra Creek Stations*

Effluent Permit PE-6858 requires daily composite samples from Myra Creek at station MC-TP4 and monthly grab samples from Myra Creek at stations MC-TP4 and MC-M2 (see **Table 2-6**). Quarterly grab samples from Myra Creek upstream of the mine site at station MC-M1 are required for Permit PE-6858 and MDMER. Daily composite samples from Myra Creek are collected with an auto-sampler at station MC-TP4. Permit PE-6858 requires the daily samples be analyzed for Zn-t, Cu-t, and Cu-d but the daily water samples are voluntarily analyzed for a full suite of dissolved and total metals by an accredited third-party laboratory. Monthly and quarterly grab samples are analyzed for the same full suite of water quality parameters. Daily water quality monitoring results are compared to maximum and average B.C. Water Quality Guidelines (WQG) for the protection of aquatic life (see Section 3). Voluntary creek profiling is also conducted in summer months for baseline monitoring and as part of Lynx SIS performance monitoring (see Section 2.7).

Additional water samples from Myra Creek (as well as Thelwood Creek and Buttle Lake) are collected periodically as part of Environmental Effects Monitoring (EEM) studies required under the MDMER and undertaken to develop Science-Based Environmental Benchmarks (SBEBs) for Myra Creek (see Nautilus Environmental, 2018). Previous sampling involved collecting five samples within a thirty-day period (“5-in-30”) at upstream reference sites, i.e. MC-M1 for Myra Creek, and locations downstream of effluent discharge. Future sampling plans will be developed in conjunction with Nautilus based on the information required for the EEM and SBEB development studies. Sampling is conducted at key times of year (i.e. low flow, high flow, etc.) to obtain additional water quality results that are consistent with MoECCS requirements for identifying the need for site-specific objectives. These studies are ongoing and/or periodic and the timing is determined by the Environmental Department in consultation with Nautilus Environmental (2018). The frequency of sampling is therefore not described in this plan.

Table 2-6

Required Water Quality Sampling for Myra Creek

Station ID	EMS	Description	Monitoring Status (Water Quality)	Obligation	Rationale	Parameters
Myra Creek						
MC-M1	124784	Myra Creek 30 m upstream from Tennent Hydro Plant	Quarterly	Required (MDMER and Permit 6858)	Upstream reference site	Surface water analytics[7]
MC-S11	n/a	Myra Creek at carbridge	Monthly	Voluntary	Myra Creek monitoring	Surface water analytics[5]
MC+600	n/a	Myra Creek at MC+600 m	Quarterly	Required (MDMER)	Downstream of effluent discharge	Surface water analytics[5]
MC-TP4	E206805	Myra Creek below Pumphouse No. 4	Daily	Required (MDMER and Permit 6858)	Myra Creek monitoring	pH and Total Zinc
MC-TP4	E206805	Myra Creek below Pumphouse No. 4	Monthly	Required (MDMER and Permit 6858)	Myra Creek monitoring	Surface water analytics[8]
MC-TP4	E206805	Myra Creek below Pumphouse No. 4	Quarterly	Required (MDMER and Permit 6858)	Myra Creek monitoring	Surface water analytics[7]
MC-M2	124785	Myra Creek 1.3 km downstream from LLDD	Monthly, quarterly	Required (Permit 6858)	Myra Creek monitoring	Surface water analytics[8]

Notes:

All samples are grab samples except the composite daily sample from auto-sampler

[1] pH, TSS, Sulphate, Total Nitrogen, Total Phosphorous, Total Cd, Dissolved Cd, Total Cu, Dissolved Cu, Total Zn, Dissolved Zn

[2] Total Zn, Total Cu (LDL), and Dissolved Cu (LDL)

[3] Total Pb

[4] Dissolved Zn and Dissolved Pb

[5] Field pH, Field EC, Lab pH, Lab EC, Alkalinity, Acidity, Major Cations and Anions, Total and Dissolved Metals

[6] RBT 96 hr Acute Lethality, Single Concentration (undiluted effluent) Test

[7] pH, Total Cu, Dissolved Cu, Total Pb, Dissolved Pb, Total Zn, Dissolved Zn

[8] Total Cd, Dissolved Cd, Dissolved Zn, Total Pb, Dissolved Pb

Abbreviations:

TSS= Total Suspended Solids

BOD = Biological Oxygen Demand

2.4.2 *Thelwood Creek Station*

Quarterly grab samples from Thelwood Creek are collected voluntarily and analyzed for a standard suite of water quality parameters that includes total and dissolved metals. Thelwood Creek receives flows from the Price Pond, which collects mine water flowing from the nearby Price 13L adit. These flows are referred to as Price Mine Effluent in Effluent Permit PE-6858. The Price Pond is an exfiltration pond, so there are no surface flows to Thelwood Creek. Hence any flows from the pond report to the creek via the local sub-surface.

2.5 SURFACE WATER QUALITY MONITORING – BUTTLE LAKE

2.5.1 *Sampling Locations*

Three locations in Buttle Lake are routinely sampled for Effluent Permit PE-6858 (see **Figure 2-2**). The station HENSHAW is 2.8 km from the base of Myra Falls in the middle of Buttle Lake across from the Henshaw Creek delta. This is the station that is closest to the area where tailings discharged from 1967 to 1984 have accumulated at the bottom of Buttle Lake. Station KARST is about 6 km further downstream of the Henshaw Creek station and is mid-lake from the Karst Creek boat ramp. Station BL-GOLD is near the Gold River bridge at the Buttle Narrows and is the station furthest downstream from MFM.

2.5.2 *Sampling Frequency and Procedures*

Depth water quality profiles are completed six times per year, i.e., every second month, at the HENSHAW and KARST stations and surface water samples are collected monthly at the BL-GOLD station (**Table 2-7**). At stations HENSHAW and KARST, grab samples are required at surface (0 m) and then from 10 m, 20 m, 40 m, 60 m, and 100 m below surface with a Van Dorn or Kemmerer vertical sampler and submitted for a suite of required water quality parameters. These requirements are fulfilled except for HENSHAW 100 m. Lake depths at HENSHAW range from approximately 63m-73m depending on exact location, meaning HENSHAW 100 m does not exist. Any samples collected for plankton are sent to an accredited laboratory for plankton identification and enumeration. A depth profile of field water quality parameters is to be taken from surface to a depth of 60 m in 5 m increments to determine the depths of the thermocline and chemocline at the KARST and HENSHAW stations. Field parameters include temperature, pH, specific conductivity, and dissolved oxygen.

Water quality samples and field parameters at the Henshaw Creek and Karst Creek stations are collected at the lake surface (0 m) and at 10 m, 20 m, 40 m, 60 m, and 100 m below the lake surface using a Van Dorn or Kemmerer vertical sampler. Note, a sample at 1 m above the lakebed can be used as a substitute for the 100 m sample when lack of depth prevents sampling at the prescribed location. At station HENSHAW, the lake depth is 63 to 73 m, so MFM considers a sample collected at 60 m to be the bottom sample (so the disturbance of benthic sediments can be avoided).

Water samples are analyzed for a full suite of water quality parameters, including total and dissolved metals by inductively coupled plasma mass spectrometry (ICP-MS), as required for Permit PE-6858.

2.5.3 *Biological Monitoring*

Surface samples for a phytoplankton count and chlorophyll-a and a 25 m vertical tow to collect a water sample for a zooplankton count are collected at stations KARST and HENSHAW as part of the Buttle Lake sampling program. Field water quality parameters, i.e., temperature, pH, specific conductivity, and dissolved oxygen, are taken at 5 m intervals from surface to a depth of 50 m using a YSI Pro-DSS multi-parameter probe. A Secchi disk is also deployed at each station to determine water clarity.

Table 2-7

Required Water Quality Sampling for Buttle Lake

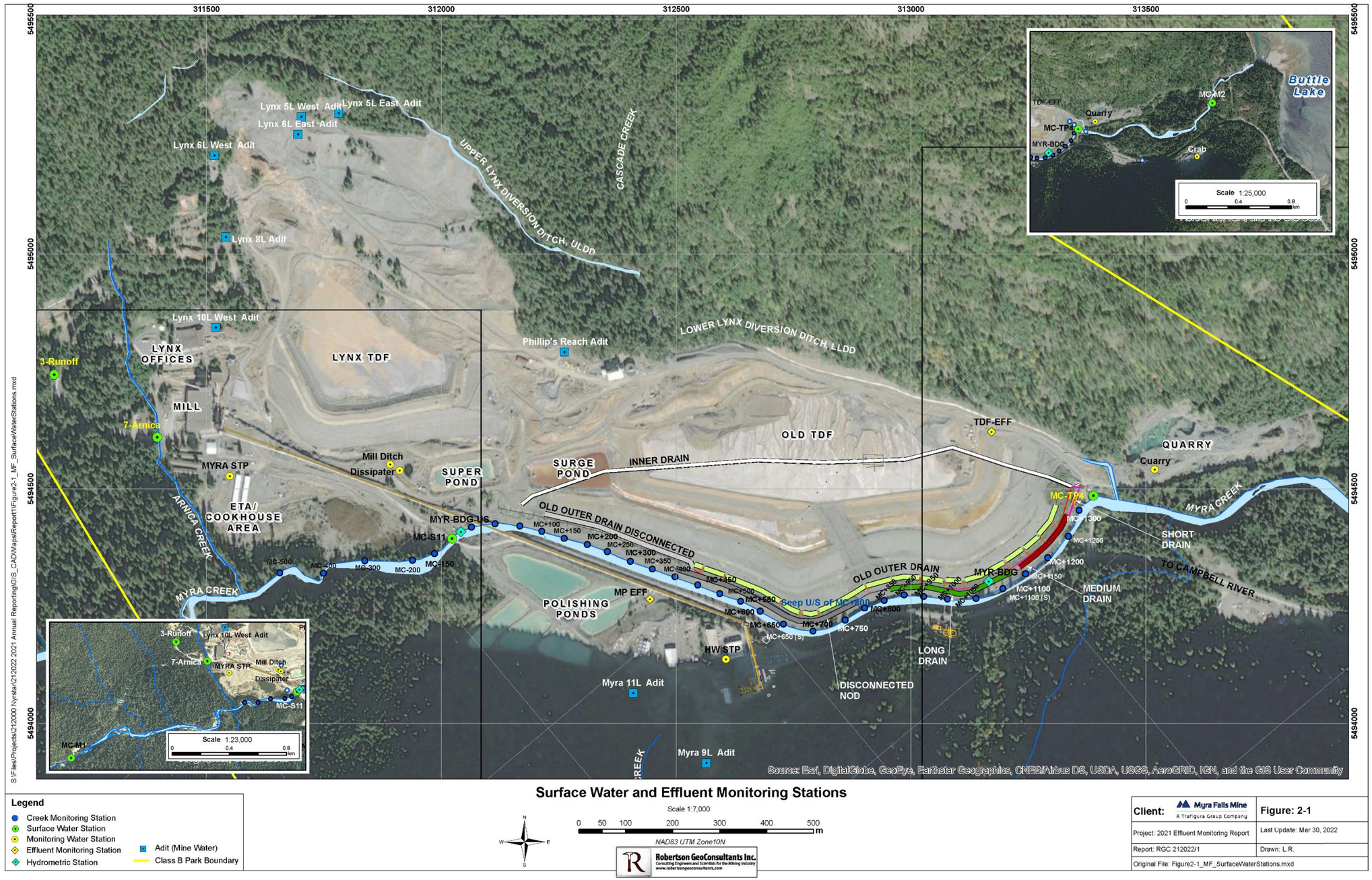
Station ID	EMS	Description	Monitoring Frequency	Obligation	Rationale	Parameters
BL-GOLD	130080	Surface sample at Gold River bridge	Monthly	Required (PE 6858)	Water quality	Lake analytics[1]
BL-GOLD	130080	Surface sample at Gold River bridge	Quarterly	Required (PE 6858)	Water quality	Lake analytics[1]
KARST ZOO	130090	25 m vertical haul	Bimonthly	Required (PE 6858)	Plankton	Zooplankton identification and enumeration, chlorophyll "a"
KARST PHYTO	130090	Surface sample	Bimonthly	Required (PE 6858)	Plankton	Phytoplankton identification and enumeration, chlorophyll "a"
KARST-0	130090	Surface sample	Bimonthly	Required (PE 6858)	Water quality	Field parameters[2], Lake analytics[3]
KARST-10	130090	Sample from 10 m below lake surface	Bimonthly	Required (PE 6858)	Water quality	Field parameters[2], Lake analytics[3]
KARST-20	130090	Sample from 20 m below lake surface	Bimonthly	Required (PE 6858)	Water quality	Field parameters[2], Lake analytics[3]
KARST-40	130090	Sample from 40 m below lake surface	Bimonthly	Required (PE 6858)	Water quality	Field parameters[2], Lake analytics[3]
KARST-60	130090	Sample from 60 m below lake surface	Bimonthly	Required (PE 6858)	Water quality	Field parameters[2], Lake analytics[3]
KARST-100	130090	Sample from 100 m below lake surface	Bimonthly	Required (PE 6858)	Water quality	Field parameters[2], Lake analytics[3]
HENSHAW ZOO	130082	Surface sample	Bimonthly	Required (PE 6858)	Plankton	Zooplankton identification and enumeration, chlorophyll "a"
HENSHAW PHYTO	130082	Surface sample	Bimonthly	Required (PE 6858)	Plankton	Phytoplankton identification and enumeration, chlorophyll "a"
HENSHAW-0	130082	Surface sample	Bimonthly	Required (PE 6858)	Water quality	Field parameters[2], Lake analytics[3]
HENSHAW-10	130082	Sample from 10 m below lake surface	Bimonthly	Required (PE 6858)	Water quality	Field parameters[2], Lake analytics[3]
HENSHAW-20	130082	Sample from 20 m below lake surface	Bimonthly	Required (PE 6858)	Water quality	Field parameters[2], Lake analytics[3]
HENSHAW-40	130082	Sample from 40 m below lake surface	Bimonthly	Required (PE 6858)	Water quality	Field parameters[2], Lake analytics[3]
HENSHAW-60	130082	Sample from 60 m below lake surface	Bimonthly	Required (PE 6858)	Water quality	Field parameters[2], Lake analytics[3]
HENSHAW-100	130082	Sample from 100 m below lake surface	Bimonthly	Required (PE 6858)	Water quality	Field parameters[2], Lake analytics[3]

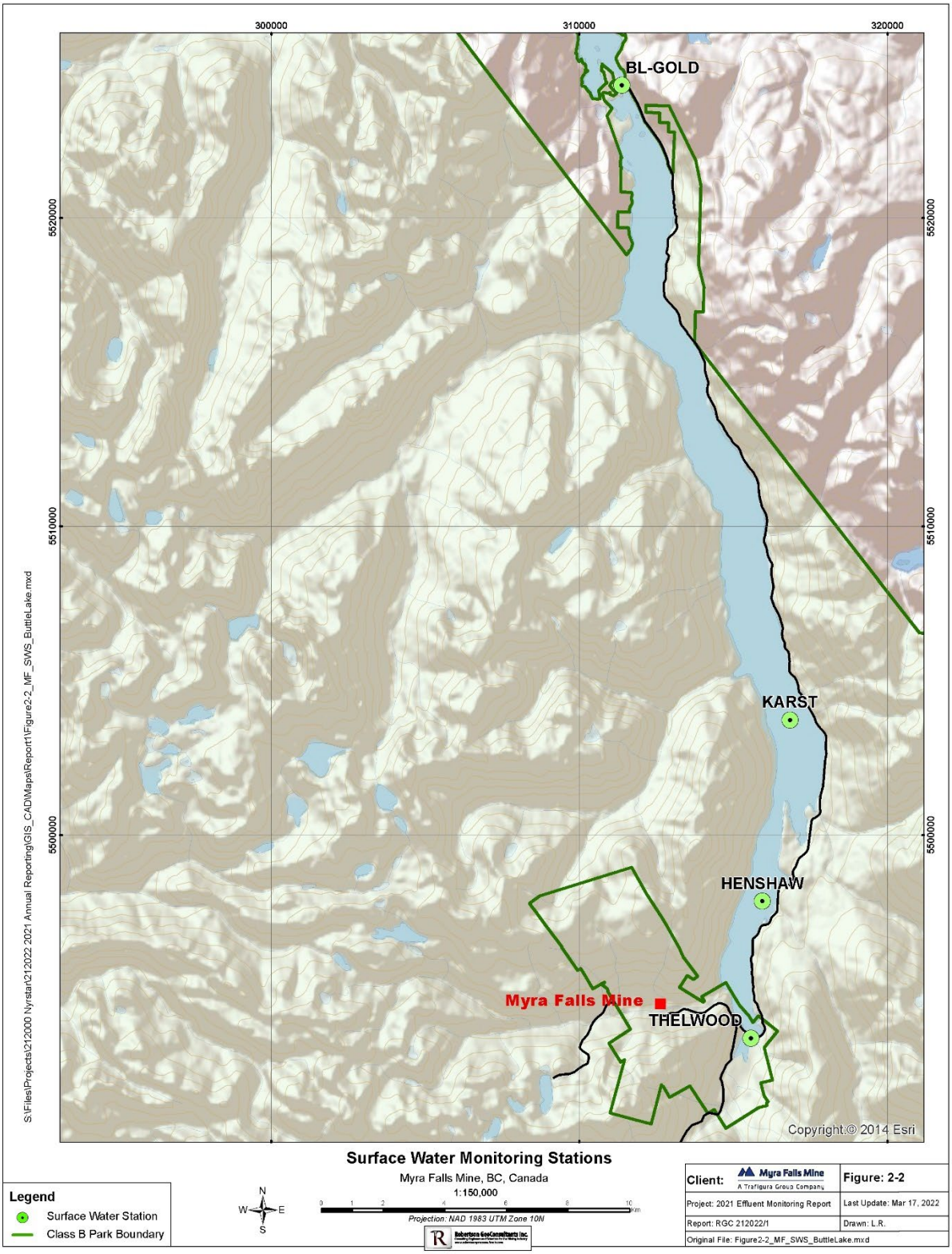
Notes:
Bimonthly = Every two months

[1] Total Alkalinity, total and dissolved metals (Al, Cd, Cd, Cu, Fe, Pb, Mn and Zn)

[2] pH, Dissolved Oxygen, Temperature, Specific Conductivity, Turbidity (Secchi disk)

[3] pH, TSS, Turbidity, Total Alkalinity, Total and dissolved metals (Al, Cd, Cd, Cu, Fe, Pb, P, Mn and Zn), N (as ammonia), nitrate/nitrite, silica, and sulphate


311500
312000
312500
313000
313500
5495500
5496000
5494500
5494000
Lynx 5L West Adit
Lynx 5L East Adit
Lynx 6L East Adit
Lynx 6L West Adit
Lynx 8L Adit
Lynx 10L West Adit
UPPER LYNX DIVERSION DITCH, ULDD
CASCADE CREEK
LOWER LYNX DIVERSION DITCH, LLDD
Phillip's Reach Adit
LYNX OFFICES
LYNX TDF
3-Runoff
MILL
7-Arnica
MYRA STP
Mill Ditch Dissipater
ETA / COOKHOUSE AREA
ARNICA CREEK
MYRA CREEK
SUPER POND
SURGE POND
INNER DRAIN
OLD TDF
TDF-EFF
QUARRY
Quarry
MC-TP4
MYR-BDG-US
MC-S11
MC-500
MC-400
MC-300
MC-200
MC-150
MC+100
MC+150
MC+200
MC+250
MC+300
MC+350
MC+400
MC+450
MC+500
MC+550
MC+600
MC+650
MC+650 (S)
MC+700
MC+750
MC+800
MC+850
MC+900
MC+950
MC+1000
MC+1050
MC+1100
MC+1100 (S)
MC+1150
MC+1200
MC+1250
MC+1300
OLD OUTER DRAIN DISCONNECTED
OLD OUTER DRAIN
MYR-BDG
Seep U/S of MC+800
MP EFF
POLISHING PONDS
HW STP
Myra 11L Adit
Myra 9L Adit
DISCONNECTED NOD
LONG DRAIN
SHORT DRAIN
MEDIUM DRAIN
TO CAMPBELL RIVER
Buttle Lake
MC-M2
TDF-EFF
Quarry
MC-TP4
MYR-BDG
Crab
Scale 1:25,000
0 0.4 0.8 km
3-Runoff
Lynx 10L West Adit
7-Arnica
MYRA STP
Mill Ditch Dissipater
MC-S11
MC-M1
Scale 1:23,000
0 0.4 0.8 km
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
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Legend
Creek Monitoring Station
Surface Water Station
Monitoring Water Station
Effluent Monitoring Station
Hydrometric Station
Adit (Mine Water)
Class B Park Boundary
Surface Water and Effluent Monitoring Stations
Scale 1:7,000
0 50 100 200 300 400 500 m
NAD83 UTM Zone10N
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Client: Myra Falls Mine
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Figure: 2-1
Project: 2021 Effluent Monitoring Report
Last Update: Mar 30, 2022
Report: RGC 212022/1
Drawn: L.R.
Original File: Figure2-1_MF_SurfaceWaterStations.mxd


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BL-GOLD
KARST
HENSHAW
Myra Falls Mine
THELWOOD
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S:\Files\Projects\212000 Nyrstar\212022 2021 Annual Reporting\GIS_CAD\Maps\Report1\Figure2-2_MF_SWS_ButtleLake.mxd
Surface Water Monitoring Stations
Myra Falls Mine, BC, Canada
1:150,000
Projection: NAD 1983 UTM Zone 10N
Legend
Surface Water Station
Class B Park Boundary
N
W
E
S
Client: Myra Falls Mine
A Trafigura Group Company
Figure: 2-2
Project: 2021 Effluent Monitoring Report
Last Update: Mar 17, 2022
Report: RGC 212022/1
Drawn: L.R.
Original File: Figure2-2_MF_SWS_ButtleLake.mxd

3 DATA MANAGEMENT AND QA/QC

Sampling and analytical procedures are detailed in the Surface Water and Groundwater Monitoring Plan (MFM, 2019). Descriptions of how the routine water quality monitoring results for 2021 were managed and checked for reliability are provided below.

3.1 DATA RECEIVED

Daily precipitation data for the weather station on site and daily effluent discharge rates for MP-EFF were provided by MFM (see **Appendix A**). Streamflow data for stations MYR-BDG and MYR-BDG-US were provided by Swiftwater. Field data for 2021 were provided by MFM (see **Appendix B**). Water quality results for 2021 were downloaded by RGC from Caro online portal (Client Connect) in January 2022. Tabulated toxicity testing results for 2021 were provided by Nautilus (see **Appendix C**). Biological monitoring data for Buttle Lake are provided in **Appendix D**. Individual laboratory reports can be provided by MFM upon request.

3.2 DATA COMPILATION AND CLEANING

Water quality data were compiled using Microsoft Excel and the R programming language, followed by parameter merging and station cleaning where needed.

3.2.1 *Parameter merging*

Parameter merging includes two components: parameter reconciliation of data from different lab formats and consolidation of same parameter separated in various columns. For example, metal data in both mg/L and µg/L were converted to mg/L to ensure parameters are unique in a dataset.

3.2.2 *Station cleaning*

Station cleaning is needed to ensure station names are unique and that duplicates are clearly identified. The various station names were converted to the formal station names adopted in the Monitoring Plan (MFM, 2019). Most of the variations in station names are related to the upper-case and lower-case letters and/or the use of a space or hyphen. Also, station MP-EFF (treated effluent) is often referred to as MYRA OUT or 11A-RUNOFF by the on-site crew. 11A-RUNOFF is the required name under MDMER. Both MYRA OUT and 11A-RUNOFF were converted to MP-EFF for this report, which is the formal name in Permit PE-6858. Both the laboratory-reported and verified (or formalized) station names were retained in a tabulated format (**Appendix E**).

3.2.3 *Data Analysis*

The compiled and cleaning water quality dataset from Section 3.2.2 was further evaluated for compliance requirements in Permit PE-6858. Verified station names after station cleaning were used to check for

missed or lost samples. Field duplicates were evaluated for Relative Percent Difference (RPD) as part of the QA/QC and only the primary samples (not the duplicates) were used for further analysis and visualization. Figures were plotted from influent to effluent for mining-influenced water and from upstream to downstream for receiving environment stations.

3.2.4 *Censored Data*

For analysis and graphing purposes, values below the detection limit (censored data with a "<" sign) were assigned a concentration of half the reported detection limit. Values greater than the upper bound of detection range (censored data with a ">" sign) were assigned a concentration of the upper bound.

3.2.5 *Water Quality Comparison*

Effluent water quality data are compared to the permit limits in PE-6858 (also detailed in Section 2.3). Permit limit exceedances are discussed in Section 4. Upstream reference and receiving environmental water quality samples were screened to WQGs provided by the Canadian Council of Ministers of the Environment (CCME) (see CCME, 2021) and B.C. (provincial) WQGs for freshwater aquatic life. Comparisons to WQGs followed the hierarchy provided in Technical Guidance 4: Annual Reporting under the Environmental Management Act (BC MOE, 2016), where the most current BC Approved WQG (BC MECC, 2019) is applied if available and the most current BC Working WQG (BC ENV, 2021) if an approved WQG has not been established. If neither has been established, the most recent WQG provided in CCME (2021) is used for screening.

For water chemistry (pH, hardness, dissolved organic carbon, and chloride) dependent guidelines, the 2021 averages in the upstream reference site (MC-M1) were used to set the guideline limit in Myra Creek as a conservative approach. Water chemistry averages (annual) at Thelwood Creek were used for Thelwood Creek. Water chemistry averages (annual) in Buttle Lake were used for all Buttle Lake samples. The average pH and hardness values for Buttle Lake stations are pH 7.1 and 27 mg/L for station HENSHAW, pH 7.2 and 27 mg/L for station KARST, and pH 7.4 and 26 mg/L for station BL-GOLD. The similarity of these values suggests it is appropriate to use the average pH and hardness of all the Buttle Lake samples in 2021 to calculate hardness and pH dependent WQGs. The average pH, hardness, DOC, and chloride concentrations used to calculate WQG are summarized in **Table 3-1**.

Table 3-1

Water Chemistry Used for Water Quality Guideline Calculation, 2021

Waterbody	Rationale	Temperature ˚C	pH pH Unit	DOC mg/L	Hardness mg/L	Chloride mg/L
Myra Creek	2021 average at MC-M1	8	7.1	1.02	14	0.830
Thelwood Creek	2021 average at Thelwood Creek	8	7.8	1.02	105	0.860
Buttle Lake	2021 average in Buttle Lake	8	7.4	1.02	27	0.860

Both the BC chronic (or “long-term) and acute (or “short-term”) guidelines were used for initial screening purposes. In 2019, the BC total copper (Cu-t) WQGs were superseded by the dissolved copper (Cu-d) WQGs. The updated Cu-d WQGs are calculated using a Biotic Ligand Model (BLM) and is dependent on inputs of several water quality parameters including field temperature and DOC. DOC annual average in Myra Creek was also used for Stations in Thelwood Creek or Buttle Lake as no DOC data was available. Chloride was not analyzed in Buttle Lake either, so the average in Myra Creek was used in lieu to calculate WQGs. A water temperature of 8 °C was assumed to derive temperature-dependent guidelines.

The provincial (BC) WQGs and CCME WQGs used for initial screening are summarized in **Table 3-2** to **Table 3-4**. Observations that were less than the detection limits but greater than the applicable water quality guidelines were excluded from guideline exceedance calculations. Guideline exceedances were characterized using two values:

- **Frequency of exceedance.** This refers to how often the WQG was exceeded in 2021, which was calculated from the number of measurements exceeding the WQG as a percentage of the total number of measurements for 2021.
- **Factor of exceedance**. This refers to the magnitude of the WQG exceedance, calculated from the annual average of parameter concentration (from the sub-set of concentrations greater than the WQG) divided by the WQG.

The BC WQGs and CCME WQGs presented in this report represent environmental benchmarks that provide protection for freshwater aquatic life and can be used for the development of Site-Specific Water Quality Objectives (SSWQOs). These WQGs were developed using the precautionary principle and include conservative safety factors. However, it should be noted that the WQGs do not have any legal standing (BC ENV, 2019). Further details on the development of SSWQOs for Myra Creek and other surface waters is provided in Nautilus (2017).

Table 3-2

BC and CCME Water Quality Guidelines for Myra Creek, 2021

Waterbody	Parameter	Unit	WQG Type	WQG	DL (minimum)
Myra Creek	pH	pH Unit	BC WQG (Chronic)	6.5	0.1
Myra Creek	Chloride	mg/L	BC WQG (Acute)	600	0.1
Myra Creek	Chloride	mg/L	BC WQG (Chronic)	150	0.1
Myra Creek	Fluoride	mg/L	BC WQG (Acute)	0.54	0.1
Myra Creek	Sulphate	mg/L	BC WQG (Chronic)	128	1
Myra Creek	Ammonia (as N)	mg/L	BC WQG (Acute)	20	0.02
Myra Creek	Ammonia (as N)	mg/L	BC WQG (Chronic)	1.9	0.02
Myra Creek	Nitrate (as N)	mg/L	BC WQG (Acute)	33	0.01
Myra Creek	Nitrate (as N)	mg/L	BC WQG (Chronic)	3.0	0.01
Myra Creek	Nitrite (as N)	mg/L	BC WQG (Acute)	0.060	0.01
Myra Creek	Nitrite (as N)	mg/L	BC WQG (Chronic)	0.020	0.01
Myra Creek	Ag-t	µg/L	BC WQG (Acute)	0.10	0.01
Myra Creek	Ag-t	µg/L	BC WQG (Chronic)	0.050	0.01
Myra Creek	Al-d	µg/L	BC WQG (Acute)	100	1
Myra Creek	Al-d	µg/L	BC WQG (Chronic)	50	1
Myra Creek	Al-t	µg/L	CCME WQG	100	2
Myra Creek	As-t	µg/L	BC WQG	5.0	0.05
Myra Creek	Ba-t	µg/L	BC WQG (Working)	1,000	0.1
Myra Creek	Be-t	µg/L	BC WQG (Working)	0.13	0.01
Myra Creek	B-t	µg/L	BC WQG (Chronic)	1,200	2
Myra Creek	Cd-d	µg/L	BC WQG (Acute)	0.078	0.002
Myra Creek	Cd-d	µg/L	BC WQG (Chronic)	0.050	0.002
Myra Creek	Cd-t	µg/L	CCME WQG (long-term)	0.040	0.002
Myra Creek	Cd-t	µg/L	CCME WQG (short-term)	0.285	0.002
Myra Creek	Co-t	µg/L	BC WQG (Acute)	110	0.005
Myra Creek	Co-t	µg/L	BC WQG (Chronic)	4.0	0.005
Myra Creek	Cr-t	µg/L	BC WQG (Working)	8.9	0.1
Myra Creek	Cr-t	µg/L	BC WQG (Working)	1.0	0.1
Myra Creek	Cu-d	µg/L	BC WQG (Acute)	0.70	0.1
Myra Creek	Cu-d	µg/L	BC WQG (Chronic)	0.20	0.1
Myra Creek	Cu-t	µg/L	CCME WQG	2.0	0.2
Myra Creek	Fe-d	µg/L	BC WQG (Acute)	350	2
Myra Creek	Fe-t	µg/L	BC WQG (Acute)	1,000	2
Myra Creek	Hg-t	µg/L	BC WQG (Chronic)	0.020	0.005
Myra Creek	Mn-d	µg/L	CCME WQG (long-term)	260	0.05
Myra Creek	Mn-d	µg/L	CCME WQG (short-term)	1,971	0.05
Myra Creek	Mn-t	µg/L	BC WQG (Acute)	816	0.05
Myra Creek	Mn-t	µg/L	BC WQG (Chronic)	768	0.05
Myra Creek	Mo-t	µg/L	BC WQG (Acute)	46,000	0.01
Myra Creek	Mo-t	µg/L	BC WQG (Chronic)	7,600	0.01
Myra Creek	Ni-t	µg/L	BC WQG (Working)	25	0.04
Myra Creek	Pb-t	µg/L	BC WQG (Acute)	6.7	0.05
Myra Creek	Pb-t	µg/L	BC WQG (Chronic)	3.6	0.05
Myra Creek	Sb-t	µg/L	BC WQG (Working)	9.0	0.05
Myra Creek	Se-t	µg/L	BC WQG (Chronic)	2.0	0.1
Myra Creek	Tl-t	µg/L	BC WQG (Working)	0.80	0.004
Myra Creek	U-t	µg/L	BC WQG (Working)	8.5	0.001
Myra Creek	Zn-d	µg/L	CCME WQG (long-term)	6.2	1
Myra Creek	Zn-d	µg/L	CCME WQG (short-term)	15	1
Myra Creek	Zn-t	µg/L	BC WQG (Acute)	33	1
Myra Creek	Zn-t	µg/L	BC WQG (Chronic)	7.5	1

Table 3-3

BC and CCME Water Quality Guidelines for Thelwood Creek, 2021

Waterbody	Parameter	Unit	WQG Type	WQG	DL (minimum)
Thelwood Creek	pH	pH Unit	BC WQG (Chronic)	6.5	0.1
Thelwood Creek	Chloride	mg/L	BC WQG (Acute)	600	0.1
Thelwood Creek	Chloride	mg/L	BC WQG (Chronic)	150	0.1
Thelwood Creek	Fluoride	mg/L	BC WQG (Acute)	1.35	0.1
Thelwood Creek	Sulphate	mg/L	BC WQG (Chronic)	309	1
Thelwood Creek	Ammonia (as N)	mg/L	BC WQG (Acute)	16	0.02
Thelwood Creek	Ammonia (as N)	mg/L	BC WQG (Chronic)	1.9	0.02
Thelwood Creek	Nitrate (as N)	mg/L	BC WQG (Acute)	33	0.01
Thelwood Creek	Nitrate (as N)	mg/L	BC WQG (Chronic)	3.0	0.01
Thelwood Creek	Nitrite (as N)	mg/L	BC WQG (Acute)	0.060	0.01
Thelwood Creek	Nitrite (as N)	mg/L	BC WQG (Chronic)	0.020	0.01
Thelwood Creek	Ag-t	µg/L	BC WQG (Acute)	3.00	0.01
Thelwood Creek	Ag-t	µg/L	BC WQG (Chronic)	1.500	0.01
Thelwood Creek	Al-d	µg/L	BC WQG (Acute)	100	1
Thelwood Creek	Al-d	µg/L	BC WQG (Chronic)	50	1
Thelwood Creek	Al-t	µg/L	CCME WQG	100	2
Thelwood Creek	As-t	µg/L	BC WQG	5.0	0.05
Thelwood Creek	Ba-t	µg/L	BC WQG (Working)	1,000	0.1
Thelwood Creek	Be-t	µg/L	BC WQG (Working)	0.13	0.01
Thelwood Creek	B-t	µg/L	BC WQG (Chronic)	1,200	2
Thelwood Creek	Cd-d	µg/L	BC WQG (Acute)	0.619	0.002
Thelwood Creek	Cd-d	µg/L	BC WQG (Chronic)	0.219	0.002
Thelwood Creek	Cd-t	µg/L	CCME WQG (long-term)	0.165	0.002
Thelwood Creek	Cd-t	µg/L	CCME WQG (short-term)	2.208	0.002
Thelwood Creek	Co-t	µg/L	BC WQG (Acute)	110	0.005
Thelwood Creek	Co-t	µg/L	BC WQG (Chronic)	4.0	0.005
Thelwood Creek	Cr-t	µg/L	BC WQG (Working)	8.9	0.1
Thelwood Creek	Cr-t	µg/L	BC WQG (Working)	1.0	0.1
Thelwood Creek	Cu-d	µg/L	BC WQG (Acute)	1.10	0.1
Thelwood Creek	Cu-d	µg/L	BC WQG (Chronic)	0.20	0.1
Thelwood Creek	Cu-t	µg/L	CCME WQG	2.0	0.2
Thelwood Creek	Fe-d	µg/L	BC WQG (Acute)	350	2
Thelwood Creek	Fe-t	µg/L	BC WQG (Acute)	1,000	2
Thelwood Creek	Hg-t	µg/L	BC WQG (Chronic)	0.020	0.005
Thelwood Creek	Mn-d	µg/L	CCME WQG (long-term)	370	0.05
Thelwood Creek	Mn-d	µg/L	CCME WQG (short-term)	6,954	0.05
Thelwood Creek	Mn-t	µg/L	BC WQG (Acute)	1,698	0.05
Thelwood Creek	Mn-t	µg/L	BC WQG (Chronic)	1,067	0.05
Thelwood Creek	Mo-t	µg/L	BC WQG (Acute)	46,000	0.01
Thelwood Creek	Mo-t	µg/L	BC WQG (Chronic)	7,600	0.01
Thelwood Creek	Ni-t	µg/L	BC WQG (Working)	99	0.04
Thelwood Creek	Pb-t	µg/L	BC WQG (Acute)	87.0	0.05
Thelwood Creek	Pb-t	µg/L	BC WQG (Chronic)	6.7	0.05
Thelwood Creek	Sb-t	µg/L	BC WQG (Working)	9.0	0.05
Thelwood Creek	Se-t	µg/L	BC WQG (Chronic)	2.0	0.1
Thelwood Creek	Tl-t	µg/L	BC WQG (Working)	0.80	0.004
Thelwood Creek	U-t	µg/L	BC WQG (Working)	8.5	0.001
Thelwood Creek	Zn-d	µg/L	CCME WQG (long-term)	14.1	1
Thelwood Creek	Zn-d	µg/L	CCME WQG (short-term)	80	1
Thelwood Creek	Zn-t	µg/L	BC WQG (Acute)	44	1
Thelwood Creek	Zn-t	µg/L	BC WQG (Chronic)	18.8	1

Table 3-4

BC and CCME Water Quality Guidelines for Buttle Lake, 2021

Waterbody	Parameter	Unit	WQG Type	WQG	DL (minimum)
Buttle Creek	pH	pH Unit	BC WQG (Chronic)	6.5	0.1
Buttle Creek	Chloride	mg/L	BC WQG (Acute)	600	0.1
Buttle Creek	Chloride	mg/L	BC WQG (Chronic)	150	0.1
Buttle Creek	Fluoride	mg/L	BC WQG (Acute)	0.81	0.1
Buttle Creek	Sulphate	mg/L	BC WQG (Chronic)	128	1
Buttle Creek	Ammonia (as N)	mg/L	BC WQG (Acute)	18	0.02
Buttle Creek	Ammonia (as N)	mg/L	BC WQG (Chronic)	1.9	0.02
Buttle Creek	Nitrate (as N)	mg/L	BC WQG (Acute)	33	0.01
Buttle Creek	Nitrate (as N)	mg/L	BC WQG (Chronic)	3.0	0.01
Buttle Creek	Nitrite (as N)	mg/L	BC WQG (Acute)	0.060	0.01
Buttle Creek	Nitrite (as N)	mg/L	BC WQG (Chronic)	0.020	0.01
Buttle Creek	Ag-t	µg/L	BC WQG (Acute)	0.10	0.01
Buttle Creek	Ag-t	µg/L	BC WQG (Chronic)	0.050	0.01
Buttle Creek	Al-d	µg/L	BC WQG (Acute)	100	1
Buttle Creek	Al-d	µg/L	BC WQG (Chronic)	50	1
Buttle Creek	Al-t	µg/L	CCME WQG	100	2
Buttle Creek	As-t	µg/L	BC WQG	5.0	0.05
Buttle Creek	Ba-t	µg/L	BC WQG (Working)	1,000	0.1
Buttle Creek	Be-t	µg/L	BC WQG (Working)	0.13	0.01
Buttle Creek	B-t	µg/L	BC WQG (Chronic)	1,200	2
Buttle Creek	Cd-d	µg/L	BC WQG (Acute)	0.153	0.002
Buttle Creek	Cd-d	µg/L	BC WQG (Chronic)	0.081	0.002
Buttle Creek	Cd-t	µg/L	CCME WQG (long-term)	0.054	0.002
Buttle Creek	Cd-t	µg/L	CCME WQG (short-term)	0.557	0.002
Buttle Creek	Co-t	µg/L	BC WQG (Acute)	110	0.005
Buttle Creek	Co-t	µg/L	BC WQG (Chronic)	4.0	0.005
Buttle Creek	Cr-t	µg/L	BC WQG (Working)	8.9	0.1
Buttle Creek	Cr-t	µg/L	BC WQG (Working)	1.0	0.1
Buttle Creek	Cu-d	µg/L	BC WQG (Acute)	0.90	0.1
Buttle Creek	Cu-d	µg/L	BC WQG (Chronic)	0.20	0.1
Buttle Creek	Cu-t	µg/L	CCME WQG	2.0	0.2
Buttle Creek	Fe-d	µg/L	BC WQG (Acute)	350	2
Buttle Creek	Fe-t	µg/L	BC WQG (Acute)	1,000	2
Buttle Creek	Hg-t	µg/L	BC WQG (Chronic)	0.020	0.005
Buttle Creek	Mn-d	µg/L	CCME WQG (long-term)	350	0.05
Buttle Creek	Mn-d	µg/L	CCME WQG (short-term)	2,115	0.05
Buttle Creek	Mn-t	µg/L	BC WQG (Acute)	839	0.05
Buttle Creek	Mn-t	µg/L	BC WQG (Chronic)	768	0.05
Buttle Creek	Mo-t	µg/L	BC WQG (Acute)	46,000	0.01
Buttle Creek	Mo-t	µg/L	BC WQG (Chronic)	7,600	0.01
Buttle Creek	Ni-t	µg/L	BC WQG (Working)	25	0.04
Buttle Creek	Pb-t	µg/L	BC WQG (Acute)	15.5	0.05
Buttle Creek	Pb-t	µg/L	BC WQG (Chronic)	3.9	0.05
Buttle Creek	Sb-t	µg/L	BC WQG (Working)	9.0	0.05
Buttle Creek	Se-t	µg/L	BC WQG (Chronic)	2.0	0.1
Buttle Creek	Tl-t	µg/L	BC WQG (Working)	0.80	0.004
Buttle Creek	U-t	µg/L	BC WQG (Working)	8.5	0.001
Buttle Creek	Zn-d	µg/L	CCME WQG (long-term)	6.5	1
Buttle Creek	Zn-d	µg/L	CCME WQG (short-term)	26	1
Buttle Creek	Zn-t	µg/L	BC WQG (Acute)	33	1
Buttle Creek	Zn-t	µg/L	BC WQG (Chronic)	7.5	1

3.3 QA/QC PROCEDURES

The compiled and cleaned water quality data from Section 3.1.2 underwent a comprehensive QA/QC procedure. Further details are provided in the sub-sections below.

3.3.1 *Laboratory QA/QC*

Prior to May 2017, an on-site Atomic Absorption (AA) Spectrophotometer was used for copper and zinc testing. All samples collected for water quality analysis are currently submitted to Caro Analytical Services, an accredited third-party laboratory. Caro has a quality management system to ensure data quality. Laboratory QC methods, including method blanks, duplicates, blank spikes, certified standard reference materials, matrix spikes, surrogate spikes, and internal standards are analysed at a frequency of 5% (one set per batch of 20 samples).

The results of the laboratory QC for each set of analyses are included with each laboratory report and are evaluated by the laboratory to ensure results received are within acceptable limits. Any anomalies within the QC performed by the laboratory are discussed with the laboratory project manager to determine if the analysis can be re-run to be within acceptable QC levels.

3.3.2 *Blanks*

Non-blind field duplicates of daily, weekly, and monthly grab samples are collected at an approximate 1-in-10 frequency (10%) and submitted to an external laboratory for further analysis. Field blanks and equipment blanks are collected periodically, e.g., 5% frequency, to assess sample handling and filtration or potential influences by other factors, such as air-borne particulates, etc., and travel blanks are collected periodically. A travel blank is a container of laboratory reagent water that is shipped, un-opened, to and from the field with empty and full sample containers to identify potential sources of contamination during transit to and from the external laboratory (see BC MOE, 2013).

3.3.3 *Field Duplicates*

Field duplicates are part of the QA/QC to assess the magnitude and potential causes of variability between samples. These duplicate samples were submitted with a suffix “D” in the station names. For each pair of QA/QC field duplicate water samples, the relative percent differences (RPD) were calculated, where:

$$RPD = 100 |rep1 – rep2| / [(rep1 + rep2)/2]$$

The RPD between the duplicates is a measure of the variability inherent in field sampling (environmental heterogeneity, sampler handling leading to contamination, potential laboratory errors). Water quality variables where one or both values were less than five times the detection limits are not included in the RPD calculations because variability near the detection limits is too high according to the BC Field Sampling Manual (BC MOE, 2013). The BC provincial government recommends that any field duplicates with RPD

values exceeding 20% should be noted and data should be interpreted with appropriate caution. The results of RPD calculations were examined to detect patterns of high variation for multiple variables within sample pairs, indicating possible contamination during field sampling.

3.3.4 *Charge Balance Assessment*

Water samples are considered electroneutral. In other words, the sum of positive charges equals the sum of negative charges in solution. A Charge Balance Assessment (CBA) was performed for major cations (Ca-d, Mg-d, Na-d, and K-d) and anions (bicarbonate, sulphate, chloride, and nitrate). RPD analysis of CBA was calculated from the sum of positive and negative charges. Elevated CBA-RPD% values greater than 20% will be investigated.

3.3.5 *Dissolved and Total Zn Ratios at MC-TP4*

Data quality issue was previously recognized for composite samples collected from the autosampler at Myra Creek below Pumphouse #4. It is observed that Zn-d tends to vary within a 10% range of Zn-t in reliable samples. Consequently, an empirical rule using the ratio of Zn-d/Zn-t (0.9 to 1.1) was applied to separate validated and suspect data. MC-TP4-DC daily composites with a Zn-d/Zn-t ratio outside of the 0.9 to 1.1 range were considered as suspect samples.

3.4 QA/QC RESULTS

3.4.1 *Laboratory QA/QC*

Quality control results of method blanks, duplicates, blank spikes, certified standard reference materials, matrix spikes, surrogate spikes, and internal standards are reported in Caro's Certificates of Analysis, which can be provided upon request.

3.4.2 *Holding Time Exceedance*

The 2021 monitoring program demonstrated good agreement with the holding time. Most samples arrived at the laboratory within the holding time and Caro prioritized the analysis of parameters according to the holding time. Holding time exceedance was observed for TSS, TDS, conductivity, turbidity, acidity, alkalinity, nitrate, nitrite, sulfate, chloride, and chlorophyll-a.

3.4.3 *Re-Analysis*

Re-analysis is produced in response to a data verification process where the laboratory re-analyzed a sample to verify the original results. This type of request could arise if the original data is higher of lower than what was expected, or if something is discrepant than historical values.

Seven sets of re-analysis were conducted in 2021 (**Table 3-5**). The re-analysis samples are typically identified by a suffix "RE1" or "RE2" in the Lab ID. Not all the parameters were re-analyzed for each set of

samples. Therefore, if there is only one value for a particular parameter, the only value is retained for future analysis. However, if more than one value exists in the original and the re-analysis samples, only the most recent re-analysis in “RE1” or “RE2” is retained.

Table 3-5

Water Quality Sample Re-Analysis, 2021

Work Order	Lab ID	Date	Station (Lab Report)	Station (Monitoring Plan)
21F3417	7	21-Jun-21	MC-TP4 DC (E206805)	MC-TP4 DC
21F3417	07RE1	21-Jun-21	MC-TP4 DC (E206805)	MC-TP4 DC
21F3442	7	21-Jun-21	MC-EFF DC (E100666)	MC-EFF DC
21F3442	07RE1	21-Jun-21	MC-EFF DC (E100666)	MC-EFF DC
21G3656	5	25-Jul-21	MC-TP4 DC (E206805)	MC-TP4 DC
21G3656	05RE1	25-Jul-21	MC-TP4 DC (E206805)	MC-TP4 DC
21G3656	05RE2	25-Jul-21	MC-TP4 DC (E206805)	MC-TP4 DC

3.4.4 *Blanks*

A total of eight travel blanks, equipment blank, field blank and bottle blank were collected in May, June, July, August, September, and October in 2021, and one daily lab blank was reported from July analysis, representing a frequency at 1.4% of the total number of samples. Tabulated data of blanks are in **Appendix F**. The combined sampling frequency of equipment blanks and field blanks is lower than the 5% frequency in the monitoring plan (RGC, 2019). Al-d, Mo-t, Sb-t, and Sr-t were detected in 20% of travel blank samples and Mo-t was the only parameter detected in the daily lab blank sample.

3.4.5 *Field Duplicates*

A total of twenty-eight pairs of duplicates were collected in 2021 at 7-ARNICA, BL-GOLD, CRAB UPPER, HENSHAW-0, KARS-0, KARS-20, MC-EFF DC, MC-TP4, MC-TP4-DC, MILL DITCH, MP-EFF, MP-EFF-DC, PR-13L and, Thelwood Creek in 2021. As described in Section 3.2, RPD values were calculated to evaluate the difference between primary samples and duplicate samples. Calculations of RPD were performed for all parameters with measured values greater than five times the detection limits. The results of RPD calculations are provided in **Appendix G**. A total of 697 RPD calculations were performed. The BC Field Sampling Manual (BC MOE, 2013) suggests an RPD values higher than 20% indicates a possible problem due to contamination or lack of sample representativeness (BC MOE, 2013). Six percent (5.9%, n

= 41) of RPD calculations were in the range of 20% to 50% and 4.3% (n = 30) of calculations were greater than 50%. These values suggest the collection procedures at MFM are generally adequate and that there are potential problems with very few samples.

3.4.6 *Charge Balance Assessment*

A CBA was performed on 146 samples with a full set of major cation and anion results in 2021. Results with an RPD value greater than 20% are summarized in **Table 3-6**. 17% of total 146 samples (n = 25) had a RPD value between 20% and 50% and less than 1% (n = 1) had an RPD value greater than 50%. Ninety-two percent (n = 24) of the samples with an RPD greater than 20% samples suggest an excess negative charge. Most of the samples are surface water samples with low metal concentrations, so excluding metals (as cations) is unlikely to explain these RPD values. None of the samples with RPD values higher than 20% were excluded from this report.

3.4.7 *Dissolved and Total Zn Ratios at MC-TP4*

MC-TP4-DC daily composites with a Zn-d/Zn-t ratio outside of the 0.9 to 1.1 range were considered as suspect samples. Suspect data for 2021 are summarized in **Appendix H** and plotted in a different colour in Section 4.

Table 3-6

Charge Balance Assessment – Samples with RPD Values Greater than 20%, 2021

Work Order	Site	Date	HCO_3 meq/L	SO_4 meq/L	Cl meq/L	NO_3 meq/L	Ca-d meq/L	Mg-d meq/L	Na-d meq/L	K-d meq/L	Cations Sum meq/L	Anions Sum meq/L	CBA-RPD %
21J3988	25 Sump Spill	25-Oct-2021	-0.02	-1.44	-0.01	-0.0004	0.84	0.18	0.02	0.01	1.14	-1.47	34
21D1862	3-RUNOFF	14-Apr-2021	-1.11	-1.09	-0.06	-0.0002	1.34	0.39	0.08	0.003	1.82	-2.26	22
21G0905	3-RUNOFF	7-Jul-2021	-1.53	-0.95	-0.05	-0.0004	1.50	0.43	0.07	0.003	2.02	-2.52	23
21G0905	7-ARNICA	7-Jul-2021	-1.10	-0.04	-0.01	-0.0002	0.83	0.06	0.03	0.003	0.92	-1.16	23
21G0905	7-ARNICA D	7-Jul-2021	-1.09	-0.04	-0.01	-0.0002	0.80	0.06	0.03	0.003	0.89	-1.14	21
21D1862	7-ARNICA	14-Apr-2021	-1.54	-0.41	-0.02	-0.0002	1.37	0.18	0.04	0.003	1.60	-1.97	24
21C1194	7-ARNICA	3-Mar-2021	-1.32	-0.54	-0.02	-0.0002	1.25	0.19	0.03	0.003	1.49	-1.88	25
21D1854	Crab UPPER	15-Apr-2021	-1.24	-0.02	-0.03	-0.0002	0.87	0.05	0.04	0.004	0.97	-1.28	28
21G0905	Headframe	7-Jul-2021	-1.18	-0.04	-0.01	-0.0002	0.89	0.05	0.03	0.003	0.98	-1.23	23
21G0905	L-10E	7-Jul-2021	-2.02	-3.19	-0.02	-0.001	3.11	0.71	0.10	0.01	3.93	-5.22	28
21D1862	L-10E	14-Apr-2021	-1.79	-3.94	-0.02	-0.001	3.77	0.79	0.10	0.01	4.68	-5.75	21
21G0905	LLD	7-Jul-2021	-0.75	-0.02	-0.01	-0.0002	0.55	0.04	0.02	0.003	0.62	-0.79	24
21D1862	LLD	14-Apr-2021	-1.38	-0.02	-0.02	-0.0002	1.02	0.07	0.04	0.003	1.13	-1.42	23
21D1936	MC-M1	14-Apr-2021	-0.47	-0.04	-0.02	-0.0003	0.37	0.02	0.04	0.003	0.44	-0.54	22
21F0686	MC-M2	2-Jun-2021	-0.45	-0.17	-0.01	-0.001	0.31	0.03	0.04	0.005	0.40	-0.64	48
21E0545	MC-M2	5-May-2021	-0.30	-0.32	-0.02	-0.001	2.08	0.09	0.10	0.01	2.30	-0.65	112
21D1862	MYRA 10	14-Apr-2021	-2.10	-0.78	-0.02	-0.0005	2.03	0.23	0.05	0.003	2.31	-2.90	23
21G0905	MYRA 10	7-Jul-2021	-2.02	-0.64	-0.02	-0.001	1.76	0.19	0.05	0.004	2.01	-2.68	29
21D1862	MYRA 11	14-Apr-2021	-1.84	-0.46	-0.02	-0.001	1.68	0.13	0.05	0.003	1.86	-2.32	22
21G0905	Phillips	7-Jul-2021	-1.57	-18.20	-0.46	-0.008	11.63	2.81	0.94	0.13	15.52	-20.24	26
21G0905	QUARRY	7-Jul-2021	-1.48	-0.19	-0.02	-0.009	1.20	0.10	0.06	0.01	1.37	-1.69	21
21I2669	Spill-Source	17-Sep-2021	-0.56	-1.18	-0.02	-0.001	1.18	0.13	0.05	0.01	1.39	-1.76	25
21G0905	Thelwood Creek	7-Jul-2021	-1.07	-0.04	-0.02	-0.0003	0.75	0.10	0.03	0.003	0.89	-1.13	23
21C1194	Thelwood Creek	3-Mar-2021	-0.69	-0.03	-0.03	-0.001	0.88	0.10	0.03	0.003	1.01	-0.74	31
21G0905	Webster Creek Culvert	7-Jul-2021	-0.57	-0.02	-0.01	-0.001	0.40	0.02	0.03	0.003	0.45	-0.61	29
21D1862	Webster Creek Culvert	14-Apr-2021	-0.86	-0.62	-0.02	-0.003	1.05	0.11	0.04	0.003	1.21	-1.51	22

Note: Red values represents detection limits.

4 COMPLIANCE MONITORING FOR AUTHORIZED DISCHARGES

Quarterly monitoring reports are provided in **Appendix I**. Further details on compliance monitoring in 2021 are provided in the sub-sections below.

4.1 2021 REPORTABLE EVENTS

4.1.1 *Missed Samples*

Table 4-1 summarizes the missed samples and parameters required in Permit PE-6858. Parameter requirements in Effluent Permit PE-6858 were assessed for field and laboratory water quality samples. Electrical conductivity was collected and converted to specific conductivity for Buttle Lake stations. Four daily composite samples of treated effluent (MP-EFF) and one daily composite sample of Myra Creek (MC-TP4) were missed in 2021. Each of these missed samples is due to auto-sampler failure at MC-TP4-DC or MP-EFF-DC.

4.1.2 *Lost Samples*

There were no lost samples in 2021.

Table 4-1

Missed Samples and Parameters Required for Effluent Permit PE-6858, 2021

Station	Sampling Frequency	Date	Month	Non-Compliance?	Missed Parameter	Comment
Water quality samples for treated effluent and Myra Creek						
MP-EFF-DC	Daily	13-Jan-21	-	Yes	Cd-d, Cu-d, Pb-d, and Zn-d	Autosampler failure
MP-EFF-DC	Daily	14-Jan-21	-	Yes	Cd-d, Cu-d, Pb-d, and Zn-d	Autosampler failure
MP-EFF-DC	Daily	1-Aug-21	-	Yes	All daily parameters [1]	Autosampler failure
MP-EFF-DC	Daily	1-Aug-21	-	Yes	All Daily Parameters [2]	Autosampler failure
MC-TP4-DC	Daily	20-Dec-21	-	Yes	All Daily Parameters [2]	Autosampler failure
Buttle Lake samples						
HENSHAW-60	Bimonthly	-	2	Yes	Field parameters [2]	Sample not collected. A 50m cable was used for the sonde probe.
KARST-60	Bimonthly	-	2	Yes	Field parameters [2]	
HENSHAW-100	Bimonthly	-	2, 8, 10, 12	Yes	All Lab parameters [3]	"HENSHAW-100" represents samples deeper than 60m. No sample was collected at depths deeper than 60m in the listed months.
KARST-100	Bimonthly	-	2, 6, 8, 10, 12	Yes	Field parameters [2]	"KARST-100" represents samples deeper than 60m. No sample was collected at depths deeper than 60m in the listed months.

Note: This is the permit PE6858 requirement assessment for field and laboratory water quality parameters. Toxicity and biological parameters (except for Chlorophyll a) were excluded.

Field pH was primarily used for compliance check of pH, except for HENSHAW and KARST where both field and laboratory pH are required.

[1] All daily parameters at MC-TP4-DC and MP-EFF-DC include pH, Zn-t, Cu-t, and Cu-d.

[2] All field parameters include pH, DO, temperature, specific conductivity, secchi disk. Only data of conductivity, not specific conductivity, were provided and interpreted in lieu of specific conductivity.

[3] Laboratory parameters including pH, TSS, turbidity, total phosphorus, total dissolved phosphorus, ammonia, nitrate, nitrite, sulphate, Al-t, Al-d, Cd-t, Cd-d, Ca-t, Ca-d, Cu-t, Cu-d, Fe-t, Fe-d, Pb-t, Pb-d, Mn-t, Mn-d, Zn-t, Zn-d, and silica.

4.1.3 *Reportable Events – Q1 2021*

The following is summary of reportable events for the first quarter (Q1) of 2021:

- **Missed daily composite samples (MP-EFF) on January 13th and 14th.** Insufficient sample was available from the sampling container of the MP-EFF auto-sampler to collect daily composite samples for both total and dissolved metals. Hence only a sample for total metals was collected and sent for analysis initially. Residual water from the collection container was later sampled and analyzed for dissolved metals in lieu of the daily composite samples for January 13th and 14th. The daily composite samples for January 13th and 14th are nonetheless considered "missed samples" for the purpose of this report.
- **Permit limit exceedance (Price Mine Effluent) in March.** The Cd-d concentration in the monthly grab sample at the Price 13L Exfiltration Pond exceeded the permit limit. Higher concentrations in the pond reflect higher concentrations in mine water flows from the Price 13L portal, which are the primary inflows to the Exfiltration Pond. The cause for higher concentrations in mine water, however, is unknown. No other metals exceeded permit limits in the monthly grab sample for March.

4.1.4 *Reportable Events – Q2 2021*

There were no reportable events for the second quarter (Q2) of 2021.

4.1.5 *Reportable Events – Q3 2021*

Note that a new instrumentation hut above the outlet ditch for the Myra Ponds was constructed in 2021. The new sampling location was adopted on October 19th and is the current MP-EFF sampling location (see Q3 Monitoring Report for further details). The following is summary of reportable events for the third quarter (Q3) of 2021:

- **Missed daily composite sample (MP-EFF) on August 1st.** The daily composite sample for treated effluent was missed on this day due to auto-sampler malfunction.

- **Unauthorized discharge to Myra Creek on September 17th.** A non-compliance event occurred on September 17th (see DGIR Report 212283 in **Appendix J**). Turbid runoff from the public road to Myra Creek was observed during a high intensity rainfall event, when 34.4 mm of rainfall occurred from 1:00 – 5:00pm. Turbid water entered Myra Creek between the car bridge and 25-sump at an estimated rate of 5 L/s. During the event, water quality samples and a sample for acute toxicity testing were collected by MFM staff from the flows to Myra Creek and Myra Creek itself approximately 10 m downstream of the inflow point to the creek during the event. MFM surface crew created water bars and cross trenches from the road surface to the existing storm ditch network to direct the turbid water into the water treatment system. The operator also removed any sills left by the grader, which were preventing water from flowing into the ditch upslope of the

discharge. In total, 54,000 L of runoff reported to Myra Creek during the event. TSS and some metal concentrations in the flows to the creek exceeded MDMER limits (see **Appendix J**) and the samples showed no acute toxicity (see **Appendix C**). Concentrations of Cu and Zn in Myra Creek exceeded BC WQGs. These exceedances cannot, however, be attributed to the spill event, as both of these metals typically exceed BC WQGs in Myra Creek.

- **Permit limit exceedance (MP-EFF) for Cd-d on September 30th.** The 0.005 mg/L Cd-d permit limit for Cd-d was exceeded in treated effluent during a large storm event. The storm causes higher flows to the water treatment system, which resulted in decreased retention times in the Superpond and Polishing Ponds. The observed Cd-d concentration was 0.00557 mg/L Cd-d, so only slightly higher than the permit limit. Note, the elevated Cd-d concentration was identified in the full suite of metals that are determined voluntarily for daily composite samples and not in the quarterly grab sample from station MP-EFF for which Cd-d is required by permit PE-6858. The permit limit exceedance is therefore not considered a non-compliance issue.

4.1.6 *Reportable Events – Q4 2021*

The following is summary of reportable events for the third quarter (Q3) of 2021:

- **25-Sump overtopping on October 25th.** A non-compliance event occurred on October 25th. The event was related to the overtopping of the “25-Sump” to Myra Creek during a high rainfall event (see DGIR Report 212856 in **Appendix J** for details). MFM experienced a significant rain event (>20 mm/24 hours) that started on the evening of October 24th and continue through midday on October 27th. An estimated 185.5 mm of rainfall occurred during the event, with a maximum 24-hour intensity of 95 mm/24 hours between 4:00pm and 5:00pm on October 25th. Turbid water was observed to be entering the overflow channel for the 25-Sump at 4:20pm on October 25th, with a small turbidity cloud having formed in Myra Creek at the confluence of the creek and the overflow ditch soon after the water was first observed. MFM Environment Department staff measured flows over the weir in the sump and collected samples of sump discharge and samples from the mixing zone in Myra Creek. A back-up pump was started by the Tailings Operator during sampling. Discharge from the sump ceased within a few minutes of the pump being operated and additional samples from the sump box were collected. The sump was estimated to have overtopped for 15 minutes, during which an estimated 3,000-3,500 L was released to Myra Creek. TSS and some metal concentrations in the flows to the creek exceeded MDMER limits (see **Appendix J**) and the samples showed acute toxicity for trout (see Appendix C). Survival rates were 100% downstream, however. Concentrations of Cu and Zn in Myra Creek exceeded BC WQGs. These exceedances cannot, however, be attributed to the spill event, as both of these metals typically exceed BC WQGs in Myra Creek. The overtopping event appears to have been caused, in part, by debris that obstructed the float switch that turns the back-up pumps on, and additional flows to the 25-Sump

from the project office area during this high rainfall event. Pumps have since been serviced and additional back-up pumps have been ordered (see DGIR report in **Appendix J**).

- **Missed daily composite sample of Myra Creek (MC-TP4) on December 20th.** The daily composite sample for Myra Creek at MC-TP4 was missed on this day due to auto-sampler malfunction.

4.2 TAILINGS DISCHARGE TO LYNX TDF

Table 4-2 summarizes monthly tailings discharge estimates to the Lynx TDF. A total of 320,000 tonnes of tailings solids were deposited in the facility during 2021. Approximately 70% of this total was delivered to the facility as a paste with an average solids concentration of 66% by weight. The remainder of the tailings mass was transported to the Lynx TDF as a raw slurry with a typical solids concentration of 22% by weight. The estimated average discharge rate of tailings slurry (solids + water) over the year was 1,549 m^3/day. This is about 36% of the authorized average annual rate of tailings discharge (4250 m^3/day) and 19% of the maximum authorized rate (8000 m^3/day) of tailings discharge to the Lynx TDF. Further information on the proportions of paste tailings and whole tailings discharged to the Lynx TDF and the timing of these discharges is needed to determine discharge rates with more accuracy. It is, however, unlikely that the tailings discharge rate to the Lynx TDF exceeded the maximum discharge rate.

Table 4-2

Estimated Monthly Tailings Discharge Rates, 2021

Month	Mill Feed (tonnes)	Total Tailings Solids (tonnes)	Tailings Solids to Underground (tonnes)	Tailings Solids to Lynx TDF (tonnes)	Average Tailings Slurry Volume to Lynx TDF if SBW = 66% (m^3/d)	Average Tailings Slurry Volume to Lynx TDF if SBW = 22% (m^3/d)
Jan-21	34,141	31,229	6,386	24,843	689	3,118
Feb-21	16,767	15,511	11,660	3,812	117	530
Mar-21	39,001	33,094	12,222	20,984	582	2,633
Apr-21	45,001	39,295	9,157	33,756	968	4,377
May-21	46,820	40,837	20,499	20,737	575	2,602
Jun-21	21,337	19,338	2,366	17,632	505	2,286
Jul-21	53,660	47,971	9,455	38,919	1,080	4,884
Aug-21	52,008	46,668	15,039	31,657	878	3,973
Sep-21	50,082	45,482	10,990	39,068	1,120	5,066
Oct-21	44,055	39,169	10,990	28,940	803	3,632
Nov-21	45,138	40,322	15,108	24,524	703	3,180
Dec-21	47,417	38,902	7,684	34,786	965	4,365
Total	**495,427**	**437,818**	**131,556**	**319,656**	**753**	**3,407**
				Average daily tailings slurry volume if raw tailings delivered 30% of time:		1549

4.3 TREATED EFFLUENT DISCHARGE

4.3.1 *Inflows to Water Treatment System*

Table 4-3 summarizes inflows to the water treatment system, lime use, and flows of effluent and associated contaminant loads to Myra Creek in 2021. Groundwater flows from the Old TDF under-drains (via Pumphouse No. 4) are continuously recorded with a flow meter, as are flows of reclaim water and total effluent discharge to Myra Creek. Groundwater flows from the Phase I Lynx SIS and Interim Phase II Lynx SIS are recorded with data logger[3] and totalizers, respectively. The "other inflows" in this table are calculated by subtracting groundwater flows from Pumphouse No. 4 and the Phase I and Interim Phase II Lynx SIS from the total monthly discharge volume to Myra Creek. Monthly average groundwater flows to the water treatment system from Pumphouse No. 4 ranged from 275,400 m^3 in August 2021 to 558,200 m^3/month in January 2021.

Monthly flows from Pumphouse No. 4 account for 25% to 42% of monthly volume of water reporting to the water treatment system in 2021. Groundwater flows from the Phase I Lynx SIS ranged from 30,500 to 82,300 m^3/month in 2021, or approximately 5% of the annual flows to the water treatment system. Flows from the Interim Phase II (which was operated from January to August 2021) represent less than 1% of the annual volume of water to the water treatment system. Other inflows to the water treatment system account for approximately 60% of the annul flows to the water treatment system. These flows are comprised of runoff from the Old TDF and mill area, de-watering flows from the HW mine, and gravity flows from various portals, e.g., Lynx 10L East. These flows are therefore higher during the fall and winter months when rainfall is highest.

[3] Flows were not recorded in 2021, as the loggers were not correctly reset when they were last downloaded in December 2020. Volumes for 2021 were estimated from multi-year averages based on MFM's record of how the system was operated (see Annual Reclamation Report for further details).

Table 4-3

Summary of Flows and Lime Use for Water Treatment and Loads to Myra Creek, 2021

Flow	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Avg. or Total
Inflows														
Groundwater - Pumphouse No. 4	1000 m^3	558	420	373	357	354	321	353	275	302	412	409	352	4,487
Groundwater - Phase I Lynx SIS	1000 m^3	82.3	66.4	47.2	59.1	47.3	43.7	40.3	30.5	33.8	30.6	65.2	78.1	624.6
Groundwater - Interim Phase II Lynx SIS	1000 m^3	14.7	12.1	10.7	8.4	8.8	8.4	8.7	8.7	0.0	0.0	0.0	0.0	80.7
Other inflows, e.g. runoff	1000 m^3	1,236.2	699.8	775.4	543.1	534.8	461.3	446.3	330.2	406.7	942.7	1,158.1	634.6	8,169.3
Total:	1000 m^3	1,891.4	1,198.2	1,206.7	967.3	944.8	834.4	848.7	644.9	742.8	1,385.8	1,632.2	1,064.5	13,361.8
% Pumphouse No. 4	%	30%	35%	31%	37%	37%	38%	42%	43%	41%	30%	25%	33%	35%
Outflows and reclaimed water														
Total effluent discharge	1000 m^3	1,891.4	1,198.2	1,206.7	967.3	944.8	834.4	848.7	644.9	742.8	1,385.8	1,632.2	1,064.5	13,361.8
Total reclaim	1000 m^3	29.6	33.7	32.4	35.9	33.3	16.1	41.5	48.2	40.8	29.2	16.8	23.8	381.2
% recycled:		1.6%	2.8%	2.7%	3.7%	3.5%	1.9%	4.9%	7.5%	5.5%	2.1%	1.0%	2.2%	3.3%
Total effluent discharge to Myra Creek:	1000 m^3	1,861.9	1,164.6	1,174.3	931.4	911.5	818.3	807.3	596.7	702.0	1,356.6	1,615.3	1,040.7	12,980.6
Lime														
Lime use for treatment	t	249.9	125.0	85.9	125.1	167.0	41.3	83.5	164.9	84.3	249.6	252.4	85.0	1713.8
Metals Released to Myra Creek, kg														
Zinc	kg	529.9	125.2	105.4	56.3	61.6	83.5	80.2	38.6	79.0	325.0	304.3	100.0	1,889.1
Lead	kg	12.6	2.3	2.7	1.2	1.2	0.9	0.5	0.5	0.6	3.9	4.3	1.3	31.9
Cadmium	kg	2.2	0.6	0.5	0.3	0.3	0.2	0.5	0.2	0.4	1.0	0.9	0.4	7.5
Copper	kg	50.4	12.8	15.1	8.7	7.9	6.7	5.8	5.3	5.7	36.4	35.2	20.9	210.7
Arsenic	kg	1.3	0.6	0.6	0.5	0.7	0.3	0.5	0.4	0.6	0.8	0.8	0.5	7.6
Mercury	kg	2.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	2

4.3.2 *Treated Mine Effluent Discharge Rates*

Monthly average treated discharge rates from the Myra Ponds ranged from 644,900 m^3 in August 2021 to 1,891,400 m^3 in January 2021 (see **Table 4-3**). Approximately 1.0 to 7.5% of this water is reclaimed for beneficial use. In total, 13,361,800 m^3 of treated effluent was discharged to Myra Creek in 2021. Daily effluent discharge rates in 2021 are shown in **Figure 4-1** with daily precipitation at the weather station on site. Daily effluent discharge rates were calculated using recorded rates per minutes. Daily effluent discharge rates in 2021 ranged from 12,058 m^3/day (September 24th) to 118,413 m^3/day (January 2nd). The latter is the only daily average flow that was higher than 110,000 m^3/day, for which there is a different discharge limit. The average daily discharge rate[4] in 2021 was 36,800 m^3/day. This is 11,200 m^3/d lower than the 48,000 m^3/day that is authorized by Permit PE-6858. Hence the daily average discharge rates in 2021 were compliant with Permit PE-6858.

[4] Excluding the daily average flow for December 31st, which is entered as zero.

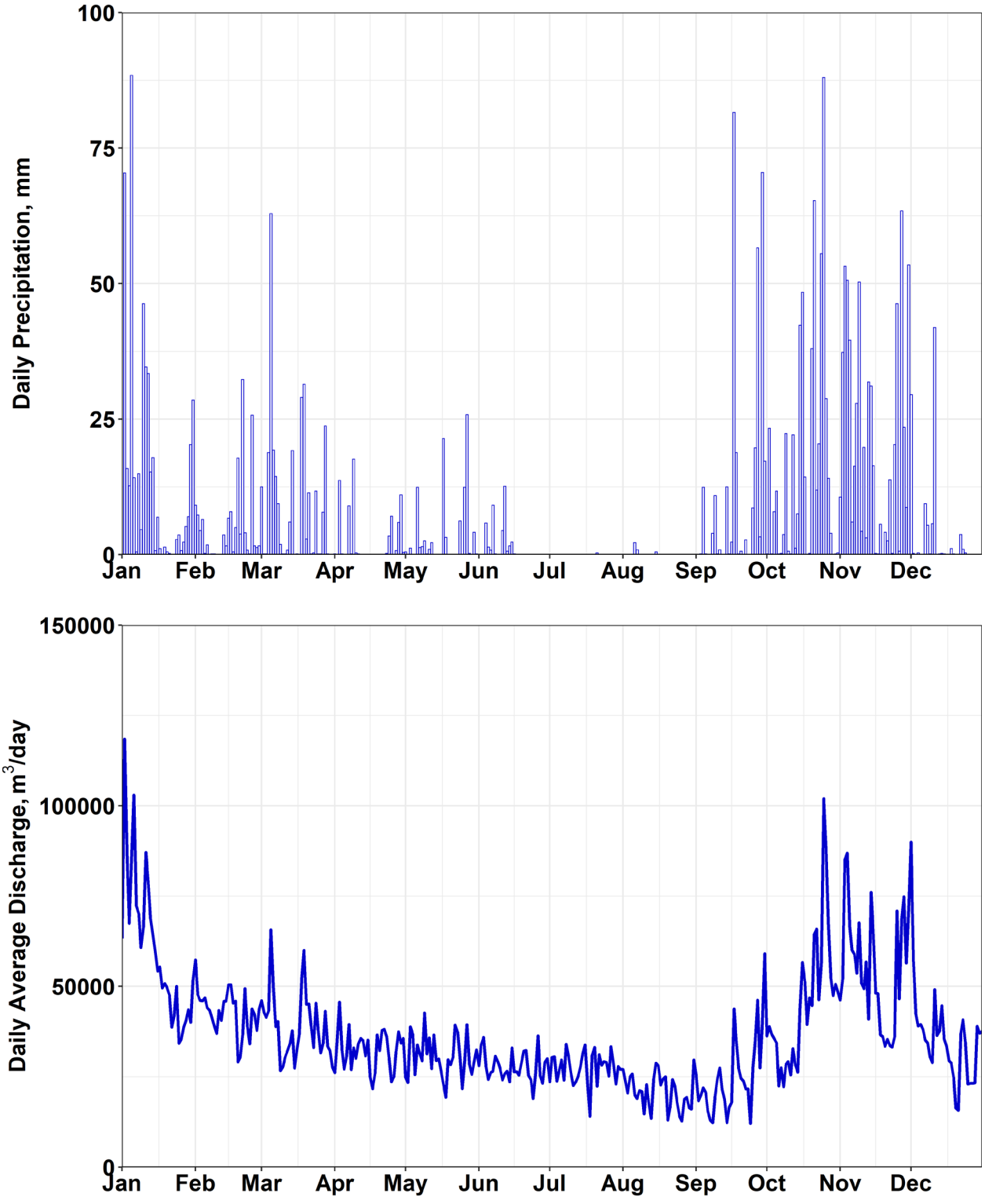


Figure 4-1. Daily Precipitation and Treated Mine Effluent Discharge (MP-EFF), 2021

4.3.3 *Influent Water Quality*

Influent water quality monitoring stations (Mill Ditch and TDF-Dissipater) are shown in **Figures 4-2 to 4-9**. Water quality samples were collected quarterly in 2021, as required by Permit PE-6858. Samples from the TDF-Dissipater were characterized by circum-neutral pH values and elevated concentrations of SO_4 and most metals, e.g., 4 to 9 mg/L Zn-d. Most of these samples are representative of groundwater flows from the Old TDF under-drains via Pumphouse No. 4, but the elevated Zn-d concentration in Q2 could reflect some precipitation runoff from the Old TDF via the Surge Pond.

Samples from the station Mill Ditch were characterized by circum-neutral pH values throughout the year and 1 to 15 mg/L Zn-d. The sample from Q1 is characterized by very high TSS. A discharge limit does not apply to the Mill Ditch samples so the elevated TSS and metal concentrations do not represent a non-compliance.

4.3.4 *Treated Effluent Water Quality*

Continuous pH values at MP-EFF-DC are recorded (as required) but were not compiled for presentation in this report. Continuous pH values in 2021 did not fall below the lower discharge limit (pH 6.5) or above the upper discharge limit (pH 10). Lab pH values for grab samples of treated effluent at MP-EFF were within discharge limits. The lowest value was pH 6.5 on June 27th and the highest value was pH 8.6 on January 27th. Lab pH, TSS, Cd-d, Cu-d, Cu-t, Pb-d, Zn-d, and Zn-t concentrations in monthly and quarterly grab samples and daily composite samples of treated effluent discharge at station MP-EFF are shown in **Figures 4-2 to 4-9**.

None of the pH, Cu-d, Cu-t, Pb-d, or Zn-d concentrations observed in treated effluent exceeded discharge limits in 2021. Three TSS values in January exceeded the TSS discharge limit, i.e., on January 1st, January 5th, and January 10th. The Zn-t concentration on January 1st (1.3 mg/L Zn-t) exceeded the Zn-t discharge limit for treated effluent. The Cd-d concentration in a daily composite sample collected on September 30th also exceeded the discharge limit.

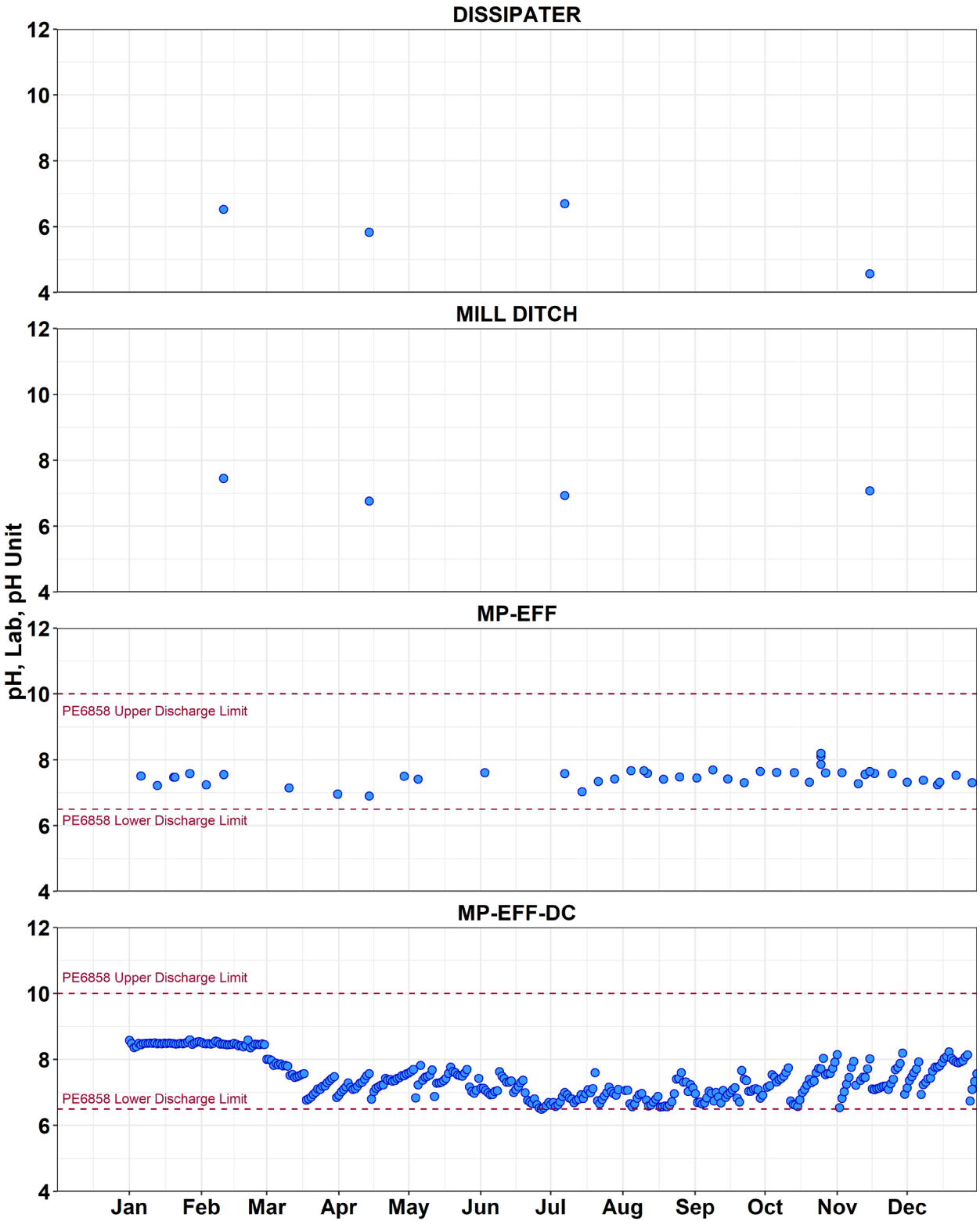


Figure 4-2. Lab pH Values for Influent and Treated Mine Effluent at MP-EFF, 2021

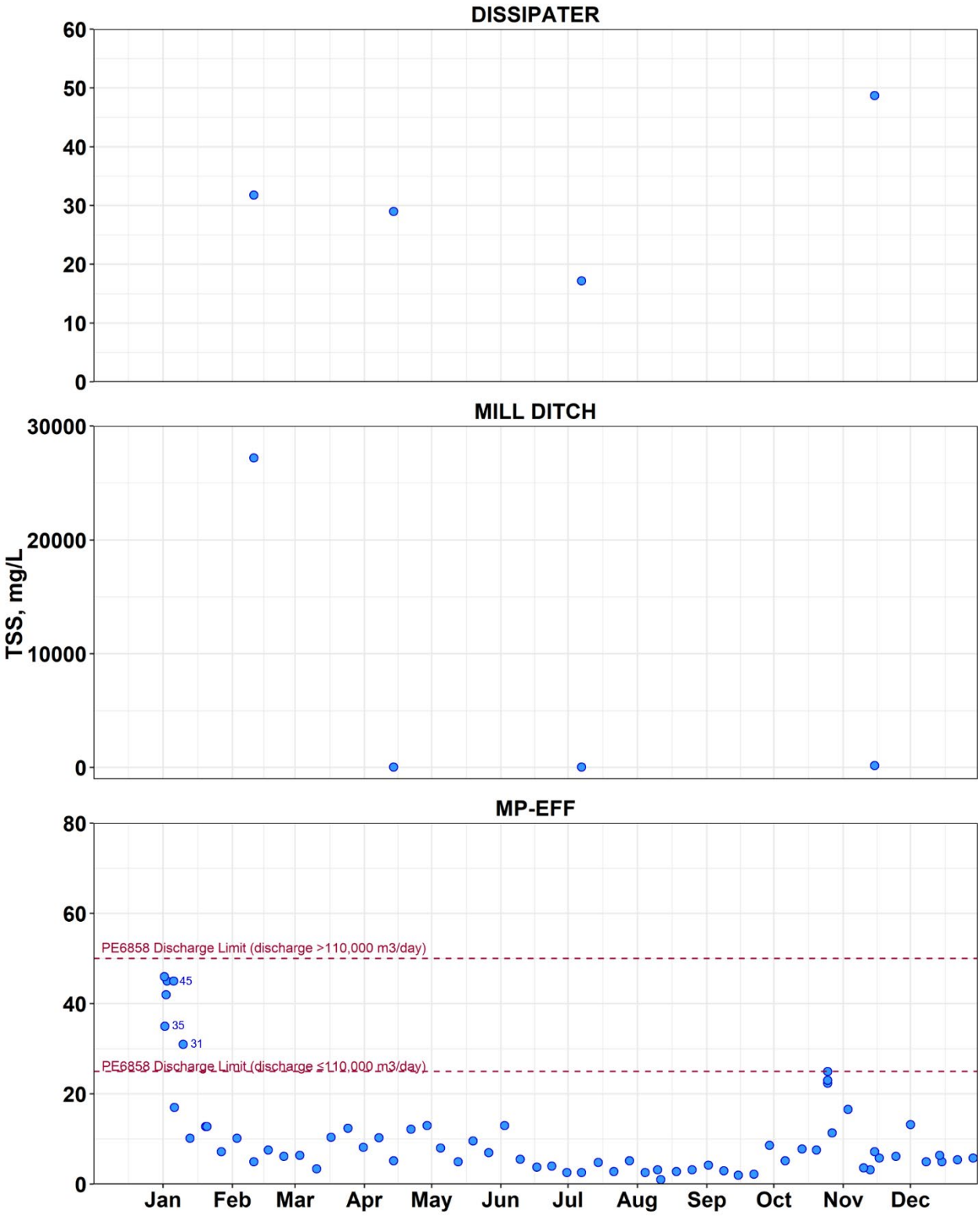


Figure 4-3. TSS in Influent and Treated Mine Effluent at MP-EFF, 2021

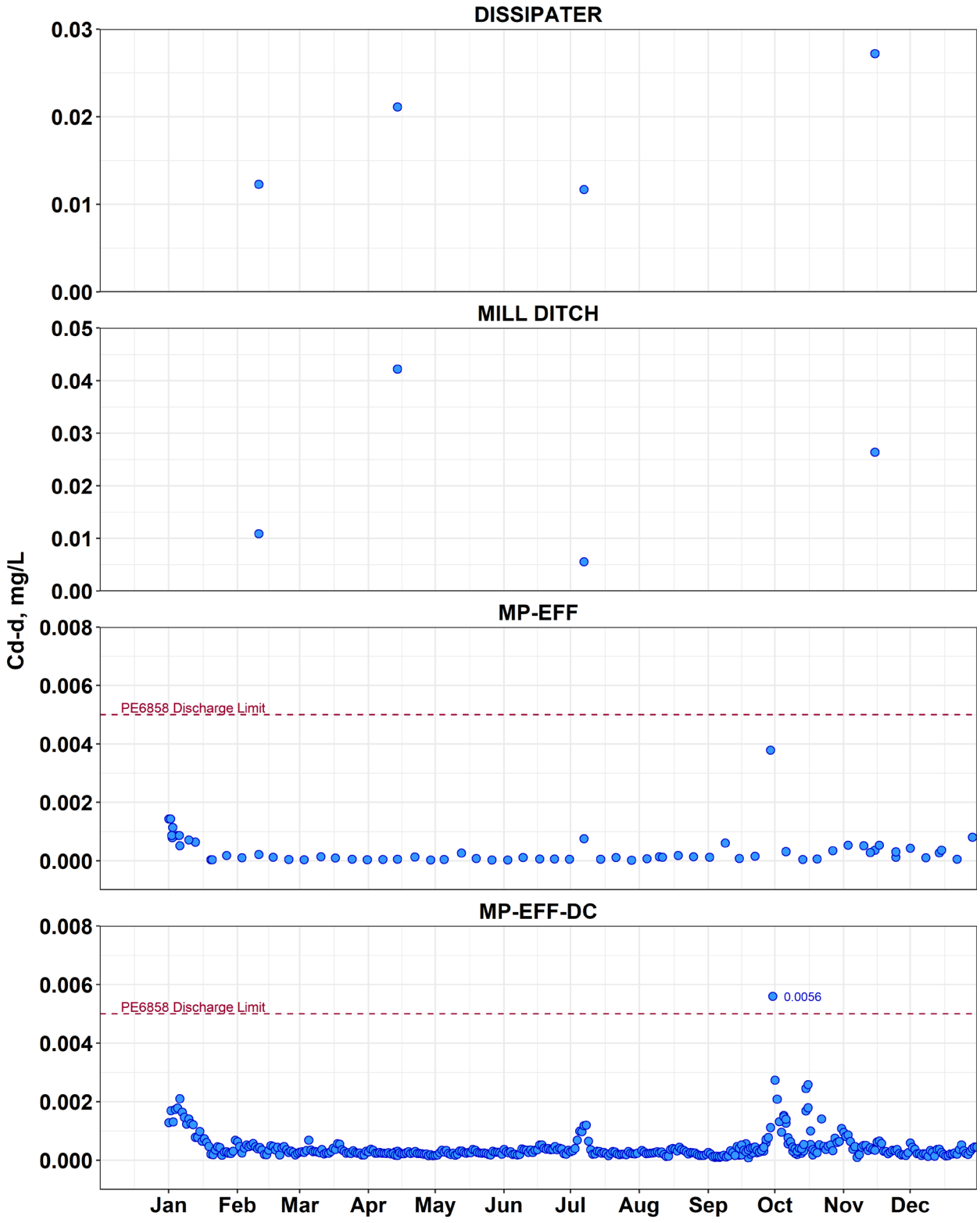


Figure 4-4. Cd-d Concentrations in Influent and Treated Mine Effluent at MP-EFF, 2021

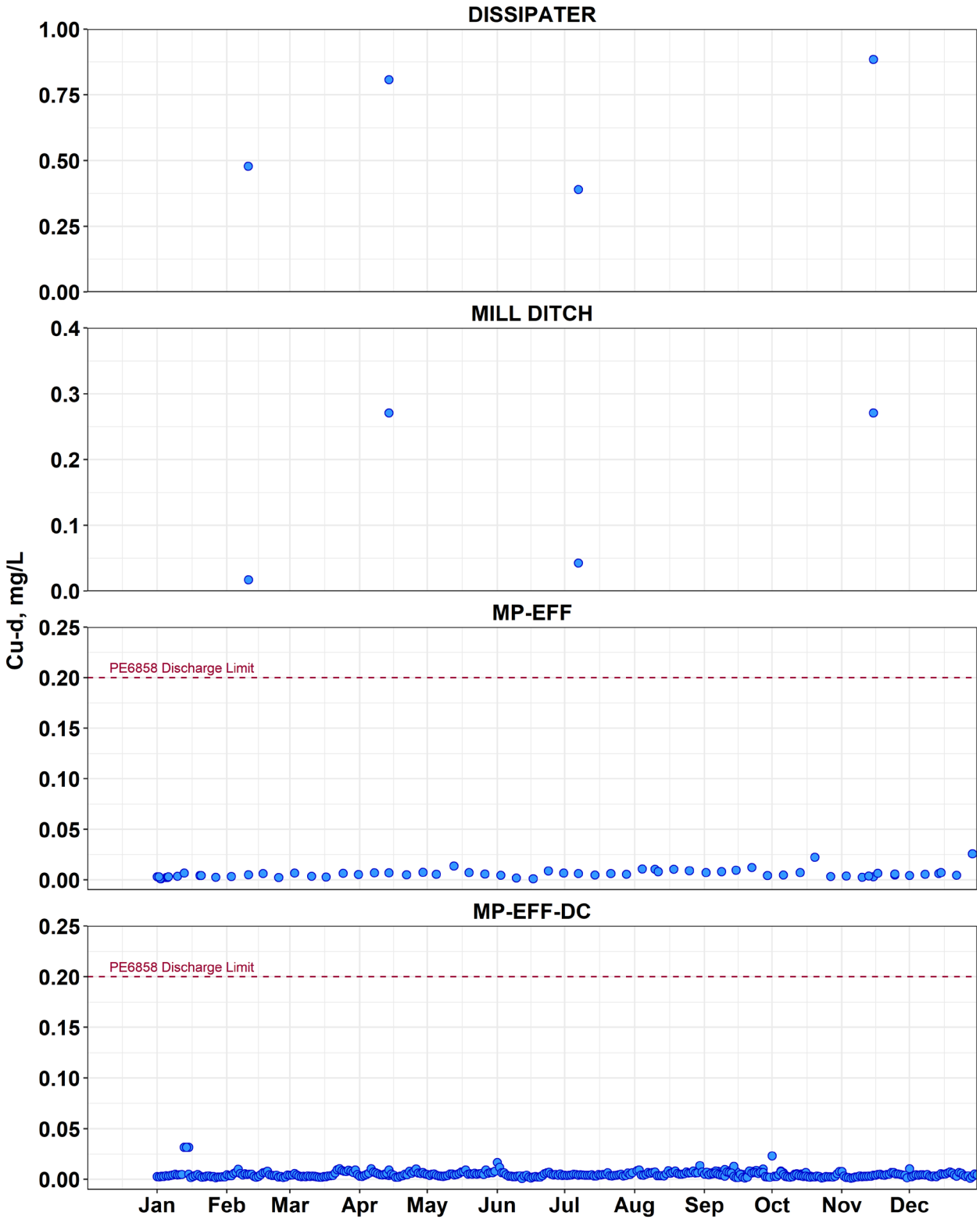


Figure 4-5. Cu-d Concentrations in Influent and Treated Mine Effluent at MP-EFF, 2021

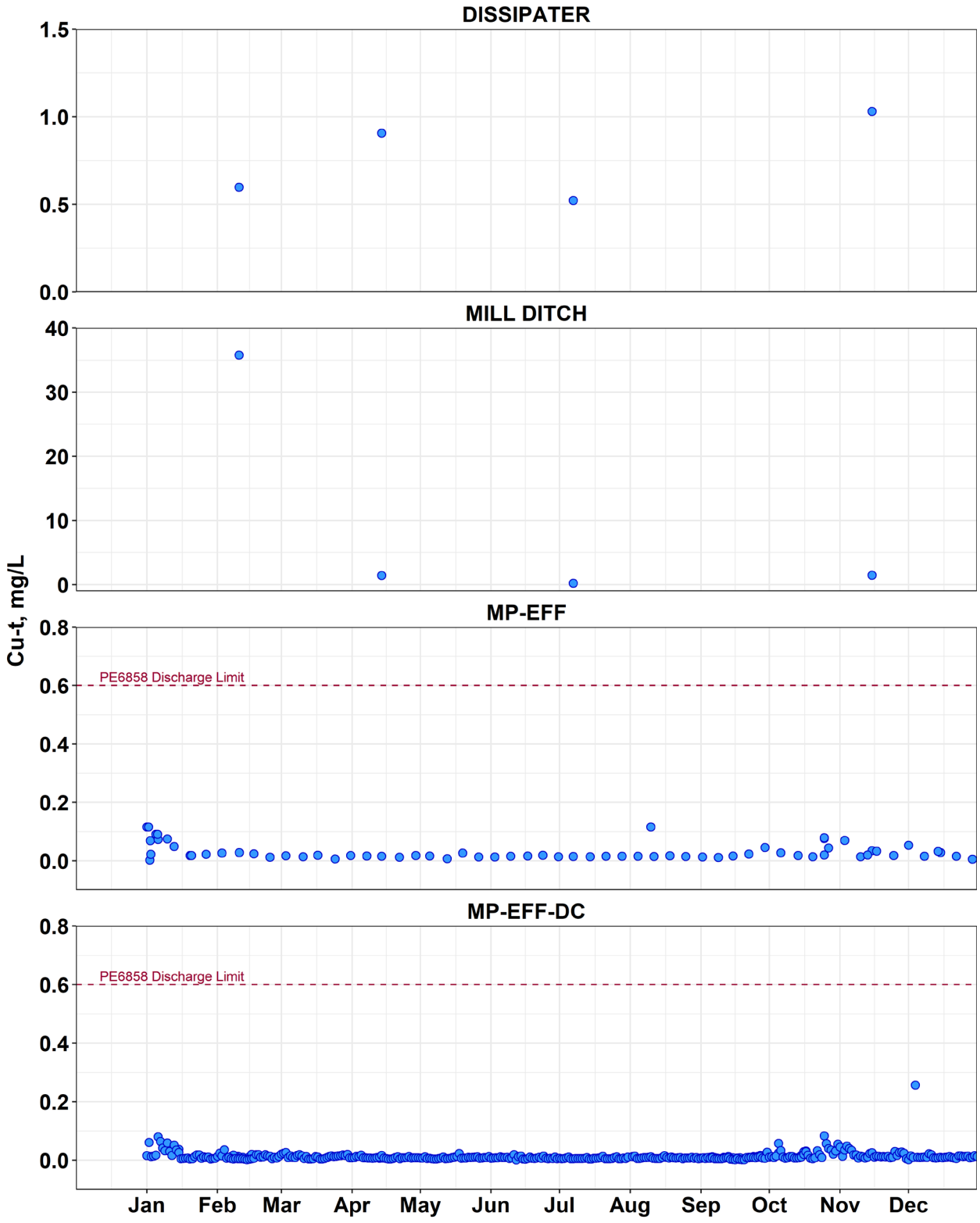


Figure 4-6. Cu-t Concentrations in Influent and Treated Mine Effluent at MP-EFF, 2021

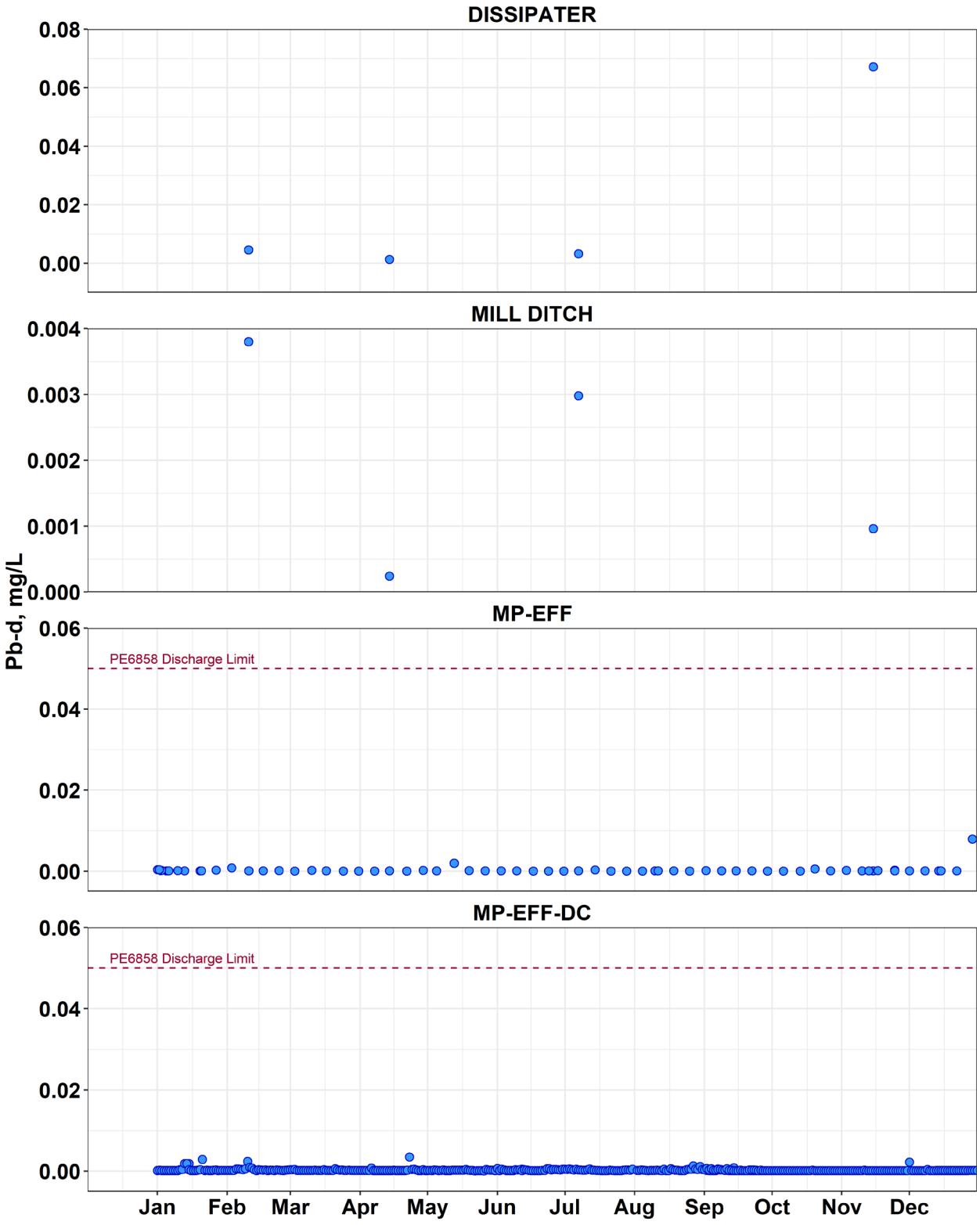


Figure 4-7. Pb-d Concentrations in Influent and Treated Mine Effluent at MP-EFF, 2021

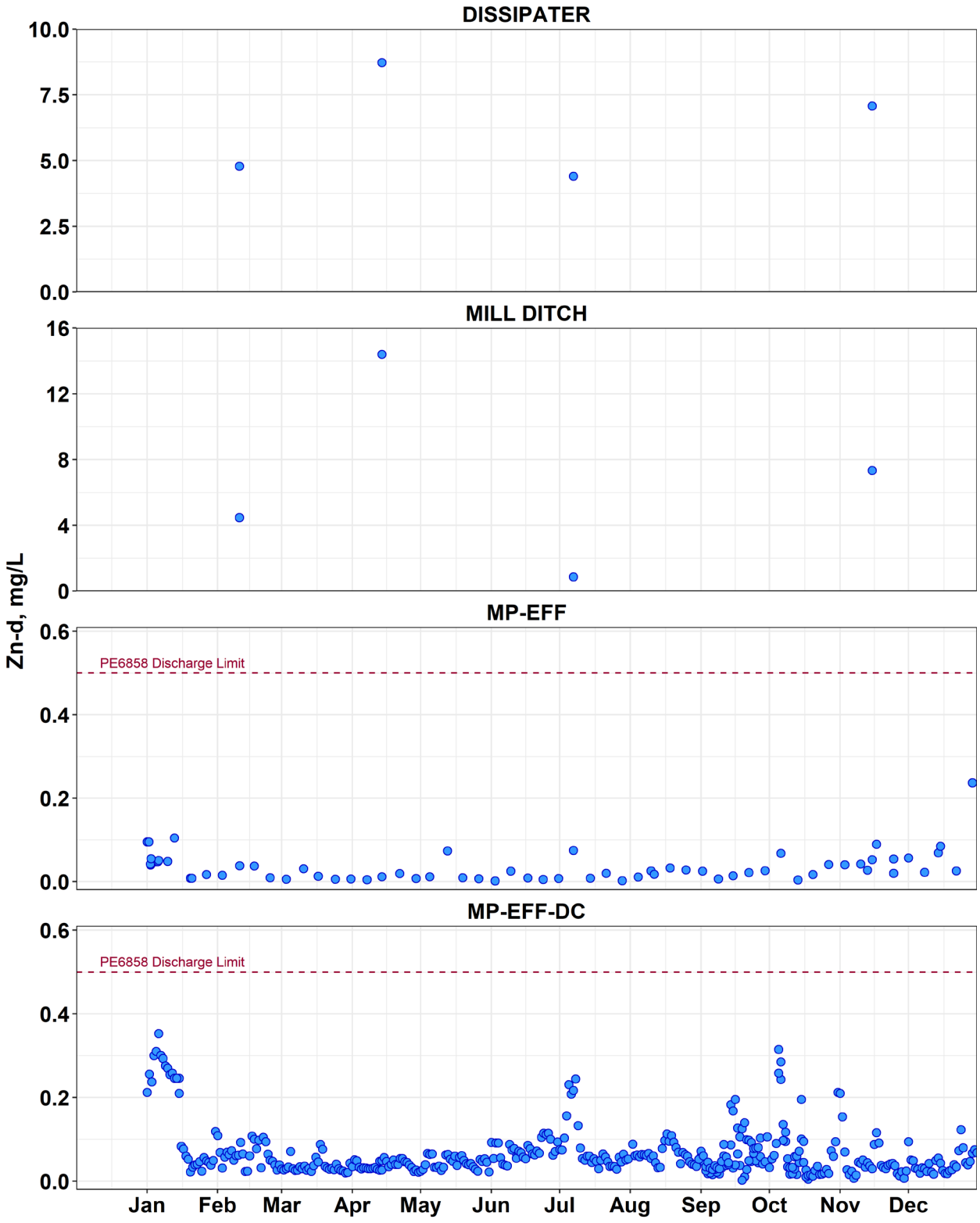


Figure 4-8. Zn-d Concentrations in Influent and Treated Mine Effluent at MP-EFF, 2021

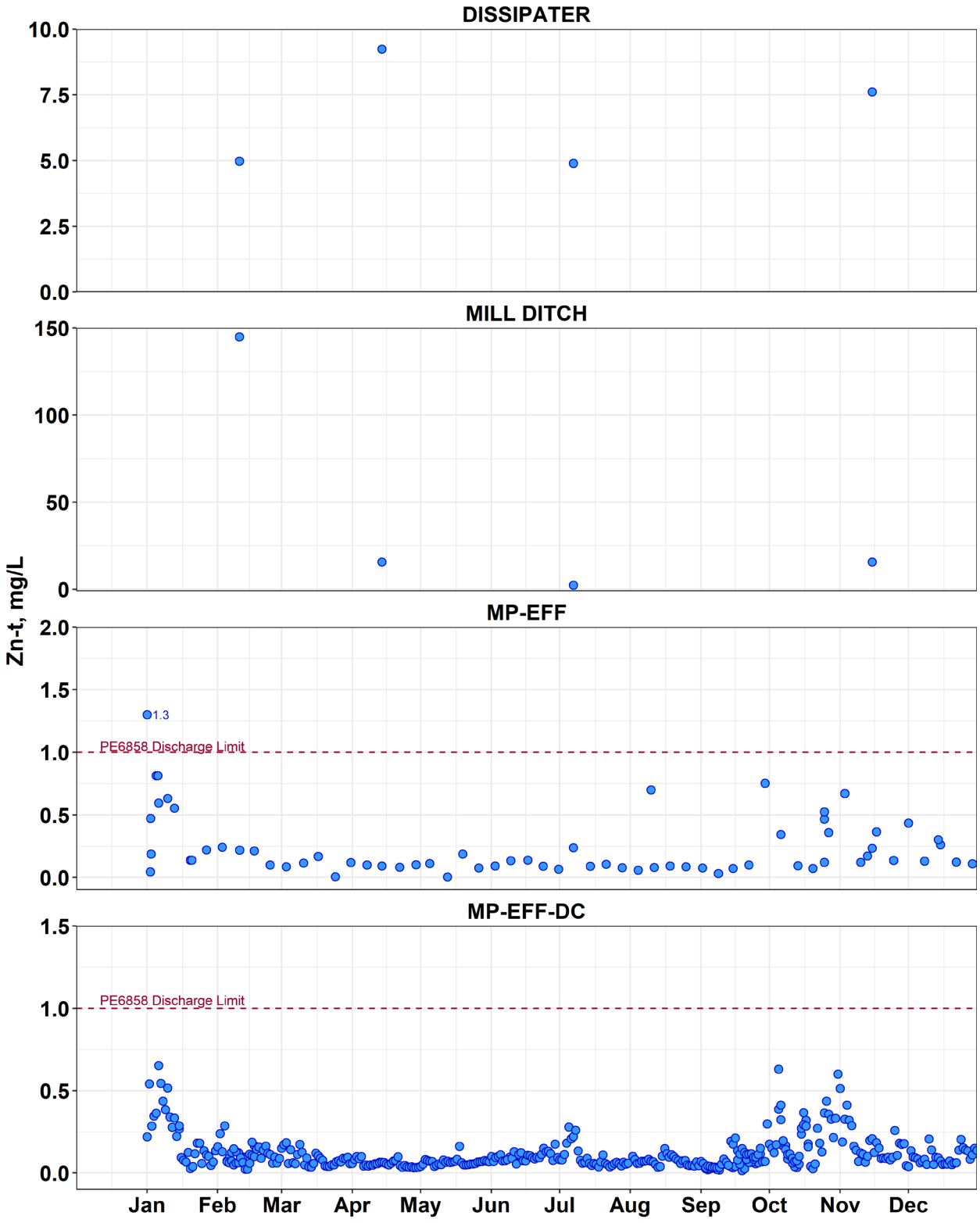


Figure 4-9. Zn-t Concentrations in Influent and Treated Mine Effluent at MP-EFF, 2021

4.3.5 *Contaminant Loads to Myra Creek*

Monthly metal loads in effluent discharge to Myra Creek are summarized in **Table 4-3**. The annual Zn-t load to Myra Creek in 2021 was 1,889 kg, or approximately 9% of the total Zn-t load in Myra Creek at MC-TP4 due to all sources, including ARD-impacted groundwater.

4.3.6 *Contaminant Removal Efficiency by Water Treatment System*

Table 4-4 summarizes the estimated contaminant removal efficiency of the water treatment system for selected constituents in 2021. The water treatment system is estimated to remove approximately 95% of the contaminants reporting to the system. The individual contributing inflows to the water treatment system and associated loads are tabulated

below. Calculation of the load estimates is summarized below and described in more detail in the 2021 Reclamation Report. Contaminant loads captured by the Old TDF under-drains were estimated with quarterly water quality samples collected at Pumphouse No. 4 and continuous pumping records. Loads captured by the Phase I Lynx SIS were estimated from monthly water quarterly samples and flow rate estimates. The loads captured by the Interim Phase II Lynx SIS were estimated from totalizer readings and routine water quality samples. The remaining flow volume (Other inflows) was estimated by difference and loads calculated with concentrations observed in the Surgepond.

Table 4-4

Estimated Contaminant Removal Efficiency by Water Treatment System, 2021

Sampling Station	Flow		Cadmium		Copper		Zinc	
	1000 m^3	%	t/year	%	t/year	%	t/year	%
Inflows to water treatment system								
Old TDF under-drains	4,142	31%	0.1	75%	4.1	77%	29.0	64%
Phase I Lynx SIS	625	5%	0.04	25%	1.3	23%	16.0	35%
Interim Phase II Lynx SIS	81	1%	0.0003	0%	0.005	0%	0.1	0%
Other inflows	8,402	63%	0.001	1%	0.0	0%	0.0	0%
Total:	13,249	100%	0.15	100%	5.38	100%	45.19	100%
Loads to Myra Creek								
Treated effluent discharge	13,362	-	0.008	-	0.2	-	1.9	-
Estimated removal efficiency	-	-	94.9%		96.1%		95.8%	

4.3.7 *Lime and Chemical Usage for Water Treatment*

Approximately 1,714 t of lime was used for water treatment in 2021 (see **Table 4-3**).

4.3.8 *Toxicity Testing*

All acute and sub-lethal toxicity testing results for 2021 are provided in **Appendix C**, including results required for MDMER. These results were tabulated by Nautilus Environmental and final test reports were reviewed by a biologist from Nautilus Environmental. All 2021 96-hour LC50 test results for rainbow trout for MP-EFF (11A-Runoff) were >100% vol./vol. survival rate. 2021 toxicity results are therefore compliant with Effluent Permit PE-6858.

4.4 OLD TDF EFFLUENT DISCHARGE (TDF-EFF)

4.4.1 *Water Quality*

Table 4-5 summarizes water quality results for grab samples from the DDSD at station TDF-EFF. There was no water (effluent) discharged from the DDSD at station TDF-EFF in 2021 (or previous years), as the infrastructure to release water to the environment has not been installed. All flows in the DDSD are therefore directed to the Superpond and discharged through the normal water treatment system (at MP-EFF). Quarterly samples for water quality were not collected at TDF-EFF in 2021, as flows in the DDSD are only observed periodically during high rainfall periods. There is also a well-established flushing pattern observed at TDF-EFF, which reflects the re-mobilization of stored contaminants in local fill materials during wet periods when local water levels increase. MFM therefore collects multiple samples during periods when flows in the DDSD are observed, so the flushing pattern can be verified and the data used to support future plans to release water from the DDSD to the creek when TSS and metals concentrations are lower than discharge limits.

In 2021, grab samples were collected in October (n=3), November (n=3), and December (n=1). These are the months when flows to the DDSD were observed in 2021 due to high rainfall. In 2021, Zn-d concentrations at station TDF-EFF exceeded the 0.25 mg/L Zn-d discharge limit during the initial flushing period in October and November. Zn-t concentrations exceeded the 0.5 mg/L Zn-t discharge limit in the first two samples collected in November. Metal concentrations in the third sample collected at TDF-EFF in October and November, e.g., 0.144 mg/L Zn-d on October 26th and 0.161 mg/L Zn-d on November 28th, were lower than discharge limits. TSS data are not available for 2021 so exceedances for this parameter cannot be checked. As mentioned, all flows from the DDSD are routed to the water treatment system and are not directly released to the receiving environment. The discharge limits do not apply to water reporting to the treatment system so exceedances for Zn-d and Zn-t are not a compliance issue.

Table 4-5

Water Quality Results for TDF-EFF, 2021

Station	Date	Lab pH	TSS mg/L	Cd-d mg/L	Cu-d mg/L	Cu-t mg/L	Pb-d mg/L	Zn-d mg/L	Zn-t mg/L
Discharge Limit		-	*20*	*0.003*	*0.1*	*0.3*	*0.03*	*0.25*	*0.5*
TDF-EFF	22-Oct-2021	7.4	-	0.00163	0.0452	0.0709	0.00035	0.391	0.483
TDF-EFF	25-Oct-2021	7.3	-	0.00147	0.0408	0.0471	0.000057	0.357	0.355
TDF-EFF	26-Oct-2021	7.5	-	0.000703	0.0173	0.0262	0.000106	0.144	0.149
TDF-EFF	5-Nov-2021	6.8	-	0.00271	0.0631	0.162	0.00324	0.609	0.95
TDF-EFF	15-Nov-2021	7.1	-	0.0026	0.0581	0.131	0.000986	0.581	0.731
TDF-EFF	28-Nov-2021	7.2	-	0.000773	0.02	0.0237	0.000052	0.161	0.173
TDF-EFF	1-Dec-2021	6.9	-	0.00103	0.0374	0.0491	0.000056	0.223	0.266

Note: Highlighted values exceed the discharge limit.

4.4.2 *Toxicity Testing*

Grab samples at station TDF-EFF for acute toxicity testing were not collected in 2021, as there were no flows (discharge) to Myra Creek.

4.5 TREATED SEWAGE DISCHARGE

4.5.1 *Treated Sewage Flows*

Sewage flows are recorded by MFM staff but are not included in this report. There is no maximum authorized rate of sewage effluent discharge from the HW STP or Myra STP.

4.5.2 *Treated Sewage Effluent Water Quality*

Table 4-6 summarizes sewage effluent water quality results for the HW STP and Myra STP for 2021. The 5-day BOD limit for sewage effluent discharge limit was exceeded in each sample collected in 2021. The TSS value in April 2021 for Myra STP significantly exceeded the 60 mg/L TSS discharge limit for sewage effluent. The agitator for HW STP does not agitate according to site staff, so solids may not have been mixed in 2021. This could explain the high BOD and low TSS for samples collected in April and November. The agitator is scheduled for repair in 2022. The high TSS and BOD values for MYRA STP are likely due to a bear breaking into the septic system near camp to consume the solids in the tank. This likely explains the elevated TSS, which may have contributed to the poor detection limit for BOD on the day the sample was collected in April (J. Fry, personal communication).

Table 4-6

Sewage Effluent Water Quality, 2021

Station	Date	TSS, mg/L	5-Day BOD, mg/L	Comment
Discharge Limit		*60*	*45*	
HW STP	7-Apr-2021	19.7	57.2	Agitator is broken (no mixing); to be repaired in 2022
HW STP	24-Nov-2021	25.9	87.5	
MYRA STP	24-Nov-2021	50.5	48.3	Bear breaking in to septic system to consume waste, hence the high TSS
MYRA STP	7-Apr-2021	396	<76.5	

Note: Highlighted values exceed the discharge limit.

4.6 PRICE MINE EFFLUENT

4.6.1 *Price Mine Effluent Discharge Rates*

Table 4-7 summarizes monthly average flows and daily discharge rates from the Price 13L adit to the Price Pond in 2021. These flows are referred to as Price Mine Effluent in Permit PE-6858 and report to Thelwood Creek via the Price (Exfiltration) Pond. Monthly discharge rates range from 4,169 m^3/month in August to 15,552 m^3/month in November. The highest daily discharge rate (518 m^3/day) in 2021 is about 10% of the maximum authorized rate of discharge in Permit PE-6858. The average annual daily discharge rate is 250 m^3/day, or about 7% of the average annual authorized rate of effluent discharge, based on the nine flow rate estimates available.

Table 4-7

Price Mine Effluent Discharge Rates, 2021

Month	Measured Flow Rate, L/s	Monthly discharge, m^3/month	Daily average discharge rate, m^3/day
Jan	-	-	-
Feb	-	-	-
Mar	3.0	8,035	259
Apr	2.0	5,184	173
May	3.0	8,035	259
Jun	2.0	5,184	173
Jul	1.8	4,709	152
Aug	1.6	4,169	134
Sep	2.3	5,897	197
Oct	-	-	-
Nov	6.0	15,552	518
Dec	4.5	12,053	389
Total	**-**	**68,818**	**-**

Notes:

Maximum authorized discharge rate is 5,400 m^3/day

The average annual authorized discharge rate is 3,450 m^3/day

4.6.2 *Price Mine Effluent Quality*

Water quality results for Price Mine Effluent are summarized in **Figure 4-10** and **Figure 4-11**. Most Cd-d, Cu-d, and Cu-t were much lower than discharge limits in 2021. One sample collected on March was characterized by 0.602 mg/L Zn-d, which is higher than the 0.5 mg/L Zn-d discharge limit. Cd-d and Pb-d concentrations in this sample were lower than discharge limits.

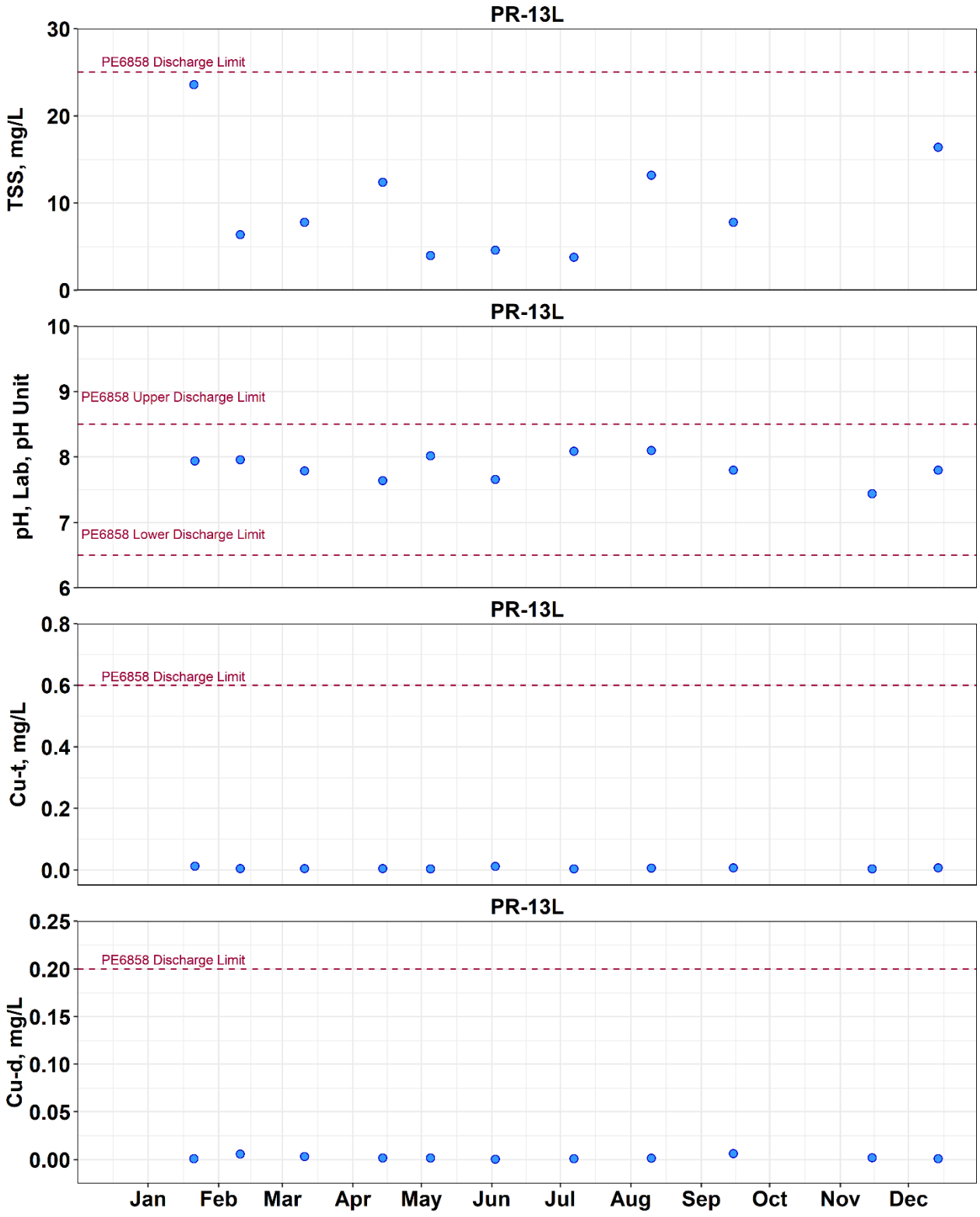


Figure 4-10. TSS, Lab pH Values, Cu-t, and Cu-d Concentrations in Price Mine Effluent, 2021

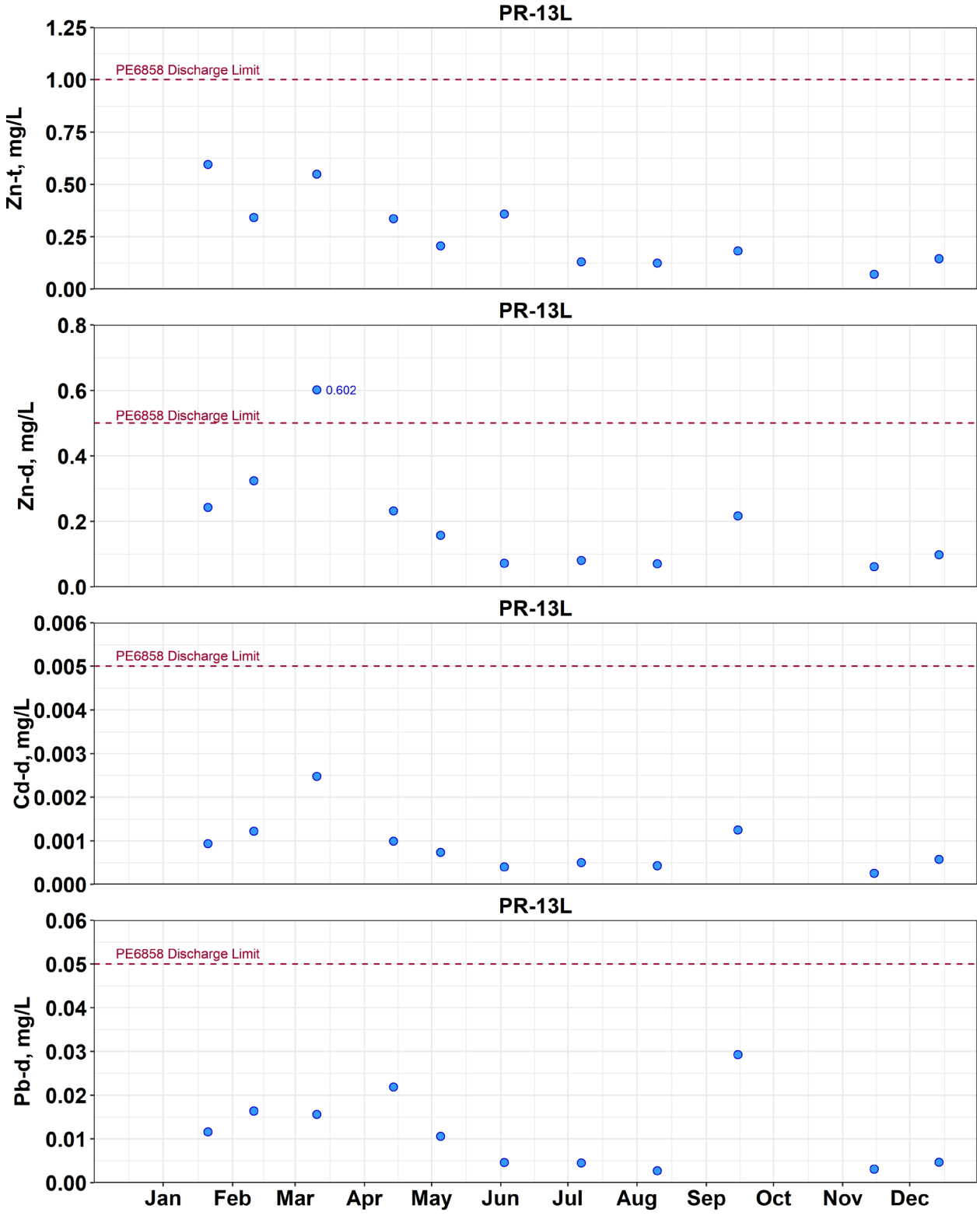


Figure 4-11. Zn-t, Zn-d, Cd-d, and Pb-d Concentrations in Price Mine Effluent, 2021

5 WATER QUALITY MONITORING FOR RECEIVING ENVIRONMENT

5.1 MYRA CREEK

5.1.1 *2021 Streamflows*

In the fall of 2019, MFM retained Swiftwater Consulting Ltd to improve the measurement of Myra Creek flows in vicinity of the mine. Specifically, Swiftwater did an overhaul of the existing gauging station at the Car Bridge and established a new station at a pipeline bridge approximately 1 km downstream of the car bridge (between MC+800 and MC-TP4). The most upstream station is designated MYR-BDG-US and controls a catchment with a drainage area of 63 km^2 and an average catchment elevation of 1,067 m.

The new station at MYR-BDG is located downstream of the effluent discharge point from the Polishing Ponds (Myra Out) and has an effective drainage area of about 66 km^2. The daily average streamflow records at the two stations on Myra Creek are shown in **Figure 5-1**. The difference in flows at the two locations is primarily attributed to inputs from two right-bank streams: i) treated effluent from the mine, and ii) runoff from Webster Creek.

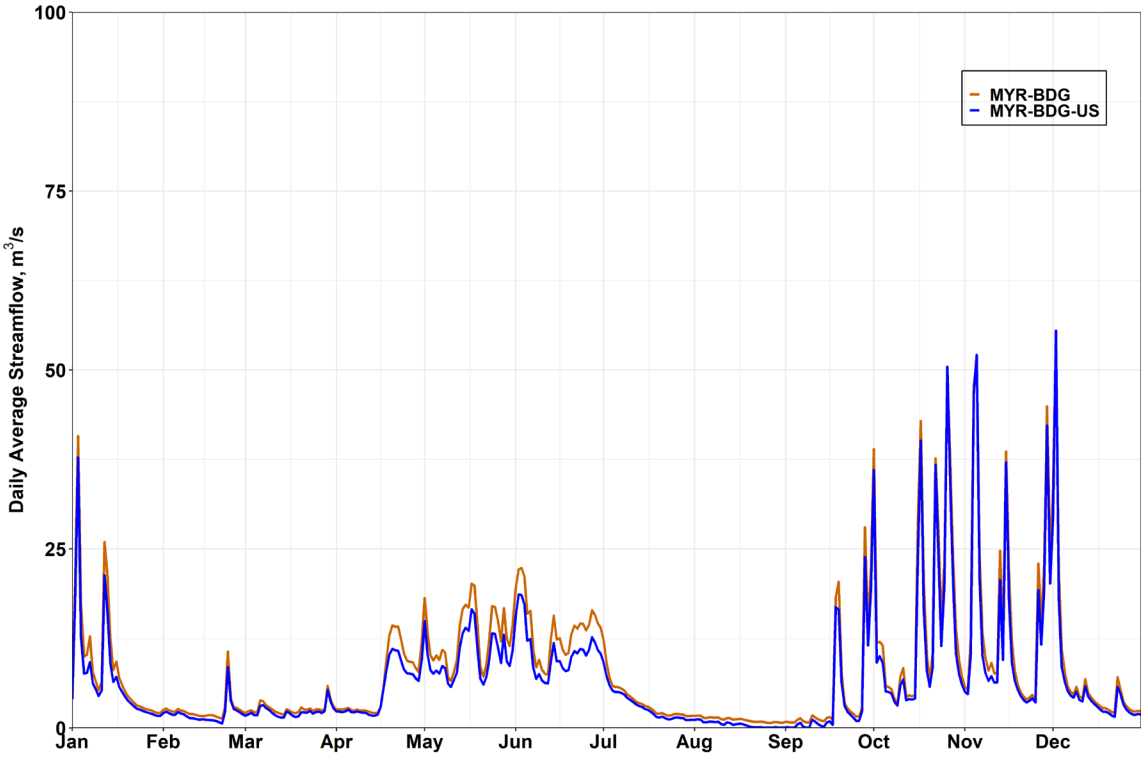


Figure 5-1. Daily Average Streamflow for Myra Creek at MYR-BDG and MYR-BDG-US, 2021

5.1.2 *Water Quality in Myra Creek – 2021*

pH and concentrations of Al-d, Cd-d, Cu-d, Fe-t, Se-t, SO4, and Zn-t in Myra Creek at stations MC-M1, MC-TP4, and MC-M2 for 2021 are shown in **Figures 5-2 to 5-9** with chronic and acute BC WQGs (see Section 3.1). Upstream of the mine site, Myra Creek (at MC-M1) is characterized by low concentrations of SO_4, nitrate, and total and dissolved metals. Al-d concentrations can exceed the chronic BC WQG, whereas Cd-d and Cu-d concentrations in Myra Creek at MC-M1 can exceed acute BC WQGs for these metals. These exceedances are unrelated to mining activities. Fe-t, Se-t, and Zn-t concentrations in Myra Creek at MC-M1 are typically much lower than chronic BC WQGs (see **Appendix K)**.

Downstream at MC-TP4, Al-d, Cd-d, Cu-d, and Zn-t concentrations typically exceed acute WQGs. For instance, approximately 98% of the Cu-d, Cd-d, and Zn-t concentrations in daily composite samples at MC-TP4 exceed acute BC WQGs. Elevated metal concentrations in Myra Creek at station MC-TP4 are primarily due to the discharge of ARD/ML-impacted groundwater and shallow seepage to the creek upstream of the Old TDF under-drains in the Upper Old TDF Reach and Lynx Reach (see RGC, 2020).

In 2021, Zn-d and Zn-t (amongst other constituents) increased from June 2021 to peak concentrations at the end of August 2021. Concentrations subsequently declined to levels that were slightly higher than observed before the increase, i.e., approximately 100 µg/L Zn-t. Increased concentrations are most likely related to changes made to the operation of the under-drains in February 2021, which allowed greater bypass ARD/ML-impacted groundwater to Myra Creek (see 2021 Reclamation Report for further details and discussion).

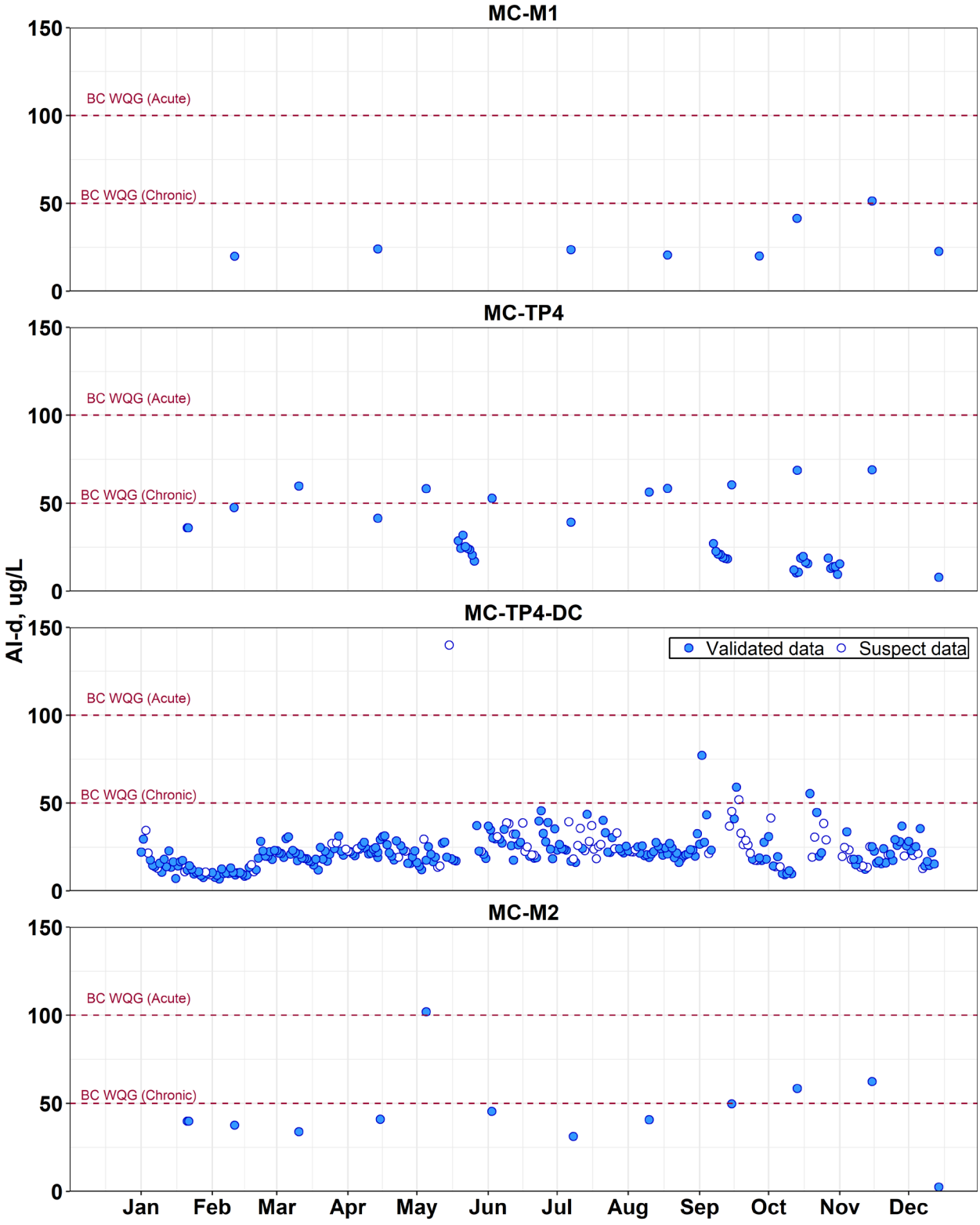


Figure 5-2. Al-d Concentrations in Myra Creek at MC-M1, MC-TP4, and MC-M2, 2021

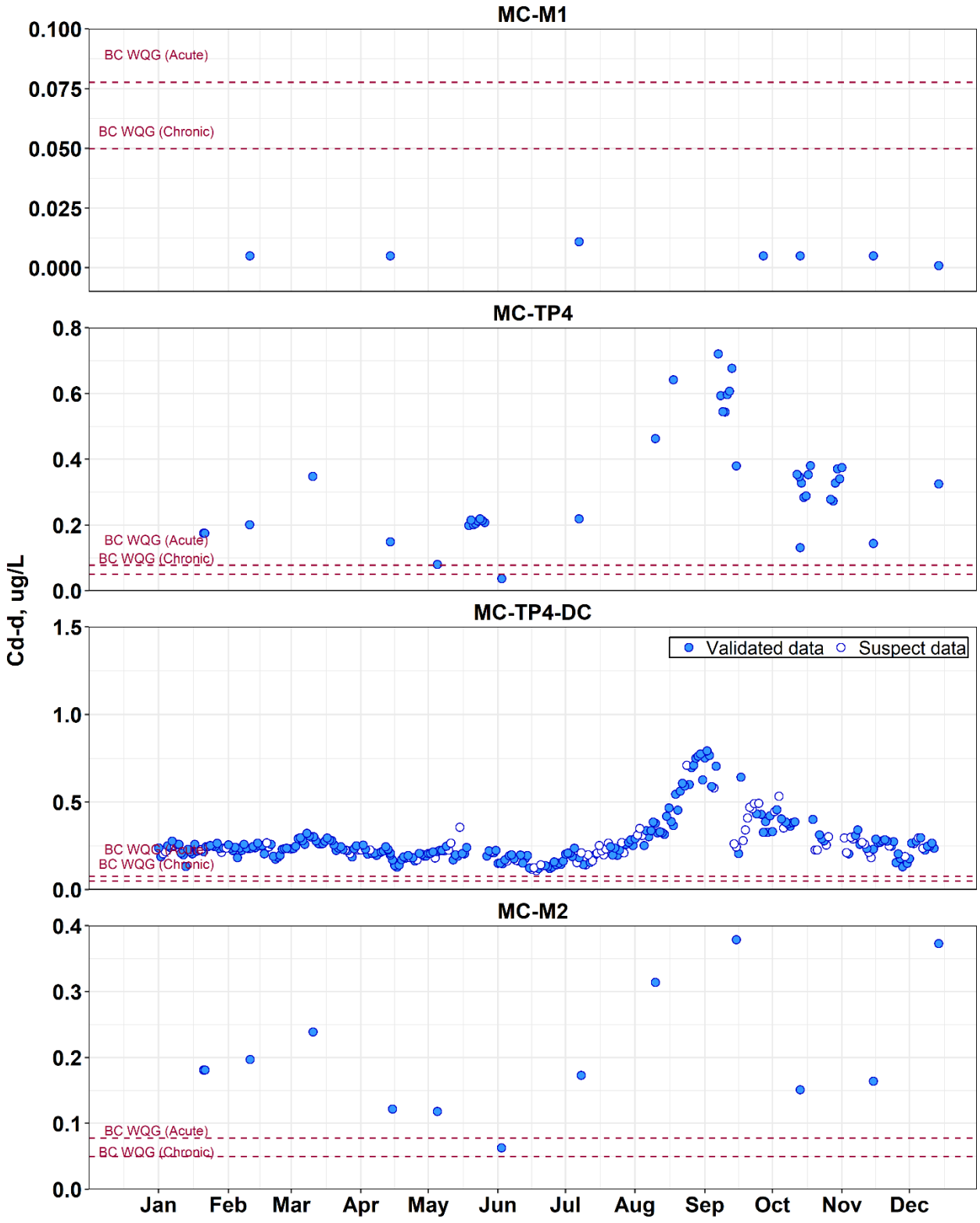


Figure 5-3. Cd-d Concentrations in Myra Creek at MC-M1, MC-TP4, and MC-M2, 2021

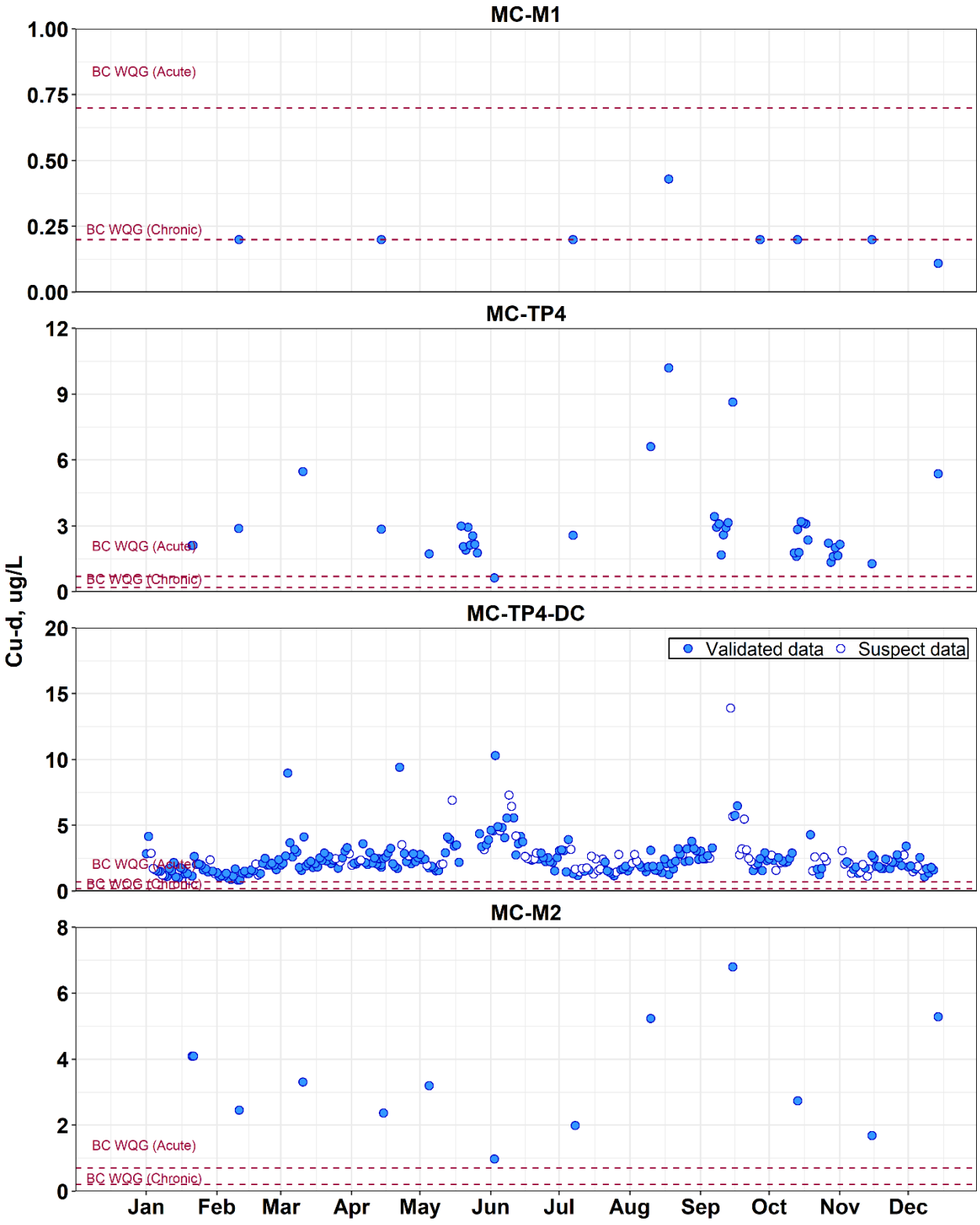


Figure 5-4. Cu-d Concentrations in Myra Creek at MC-M1, MC-TP4, and MC-M2, 2021

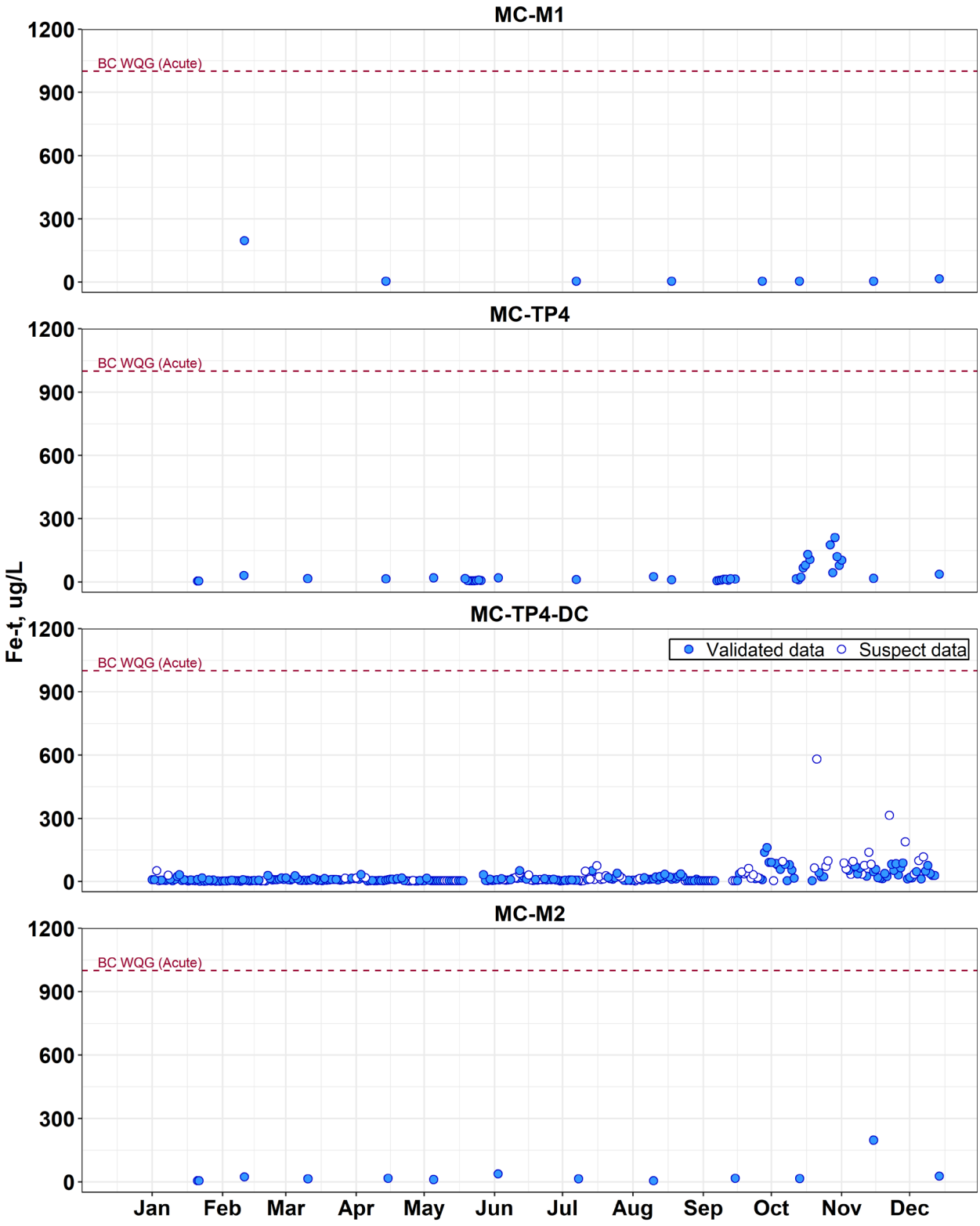


Figure 5-5. Fe-t Concentrations in Myra Creek at MC-M1, MC-TP4, and MC-M2, 2021

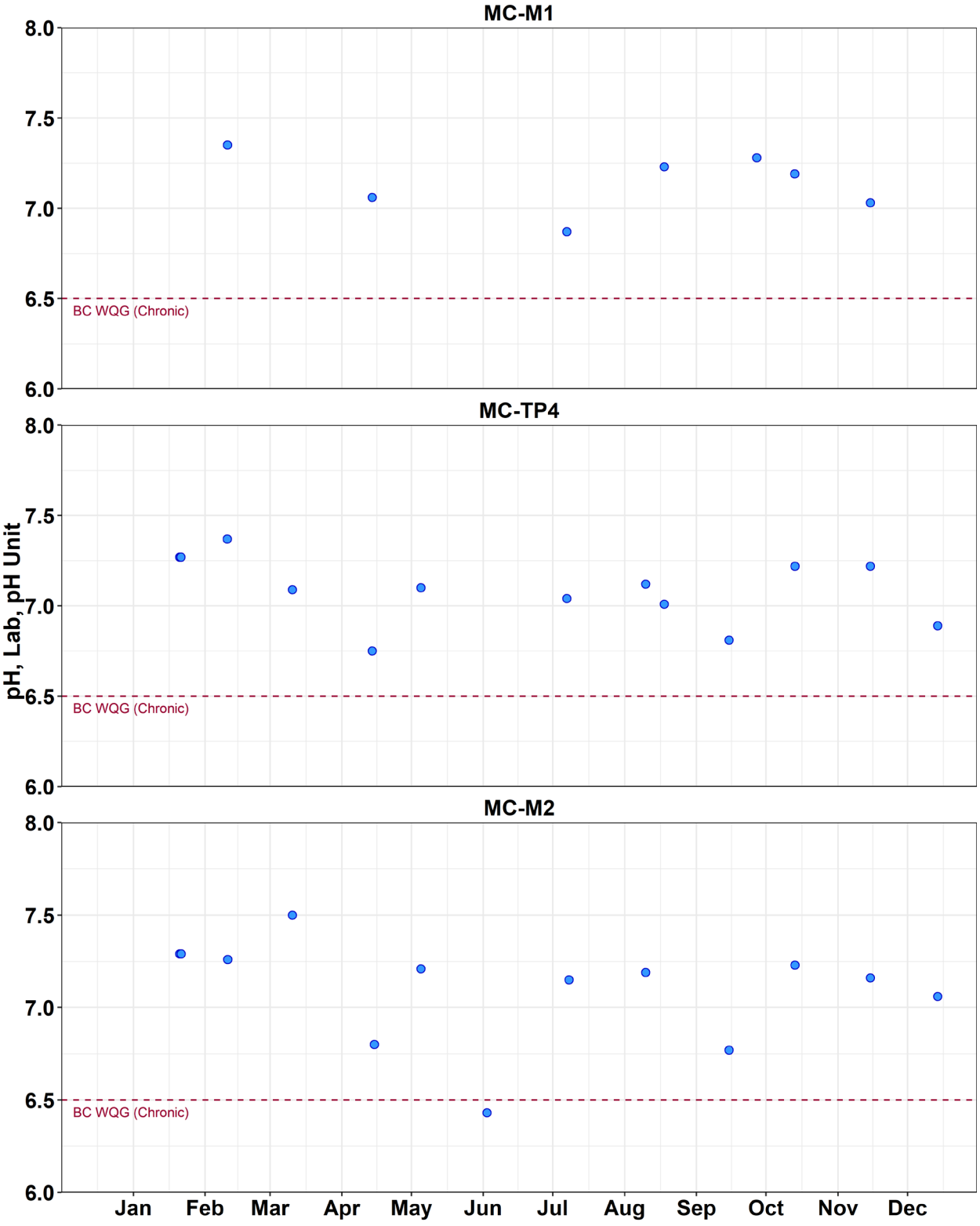


Figure 5-6. Lab pH Values in Myra Creek at MC-M1, MC-TP4, and MC-M2, 2021

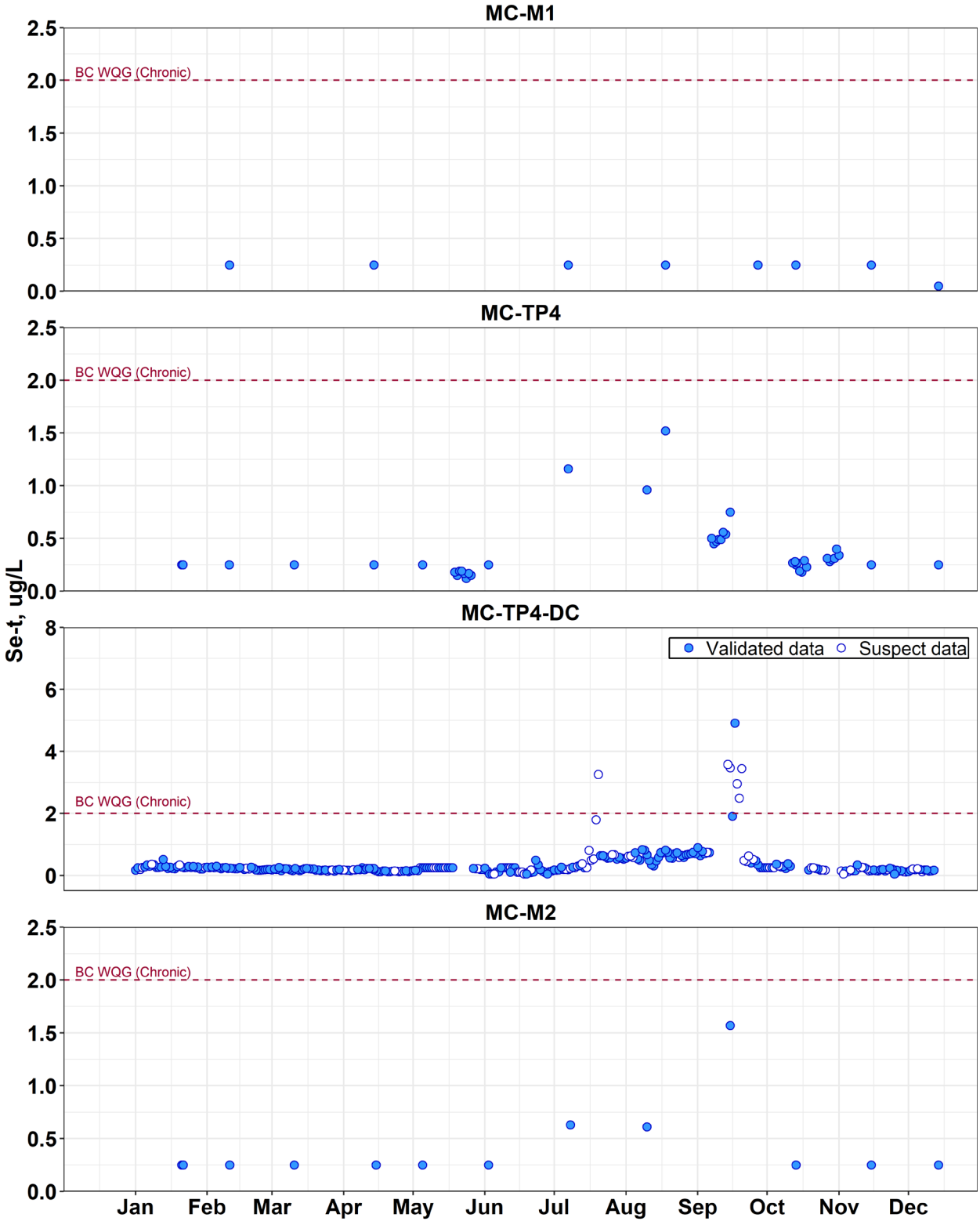


Figure 5-7. Se-t Concentrations in Myra Creek at MC-M1, MC-TP4, and MC-M2, 2021

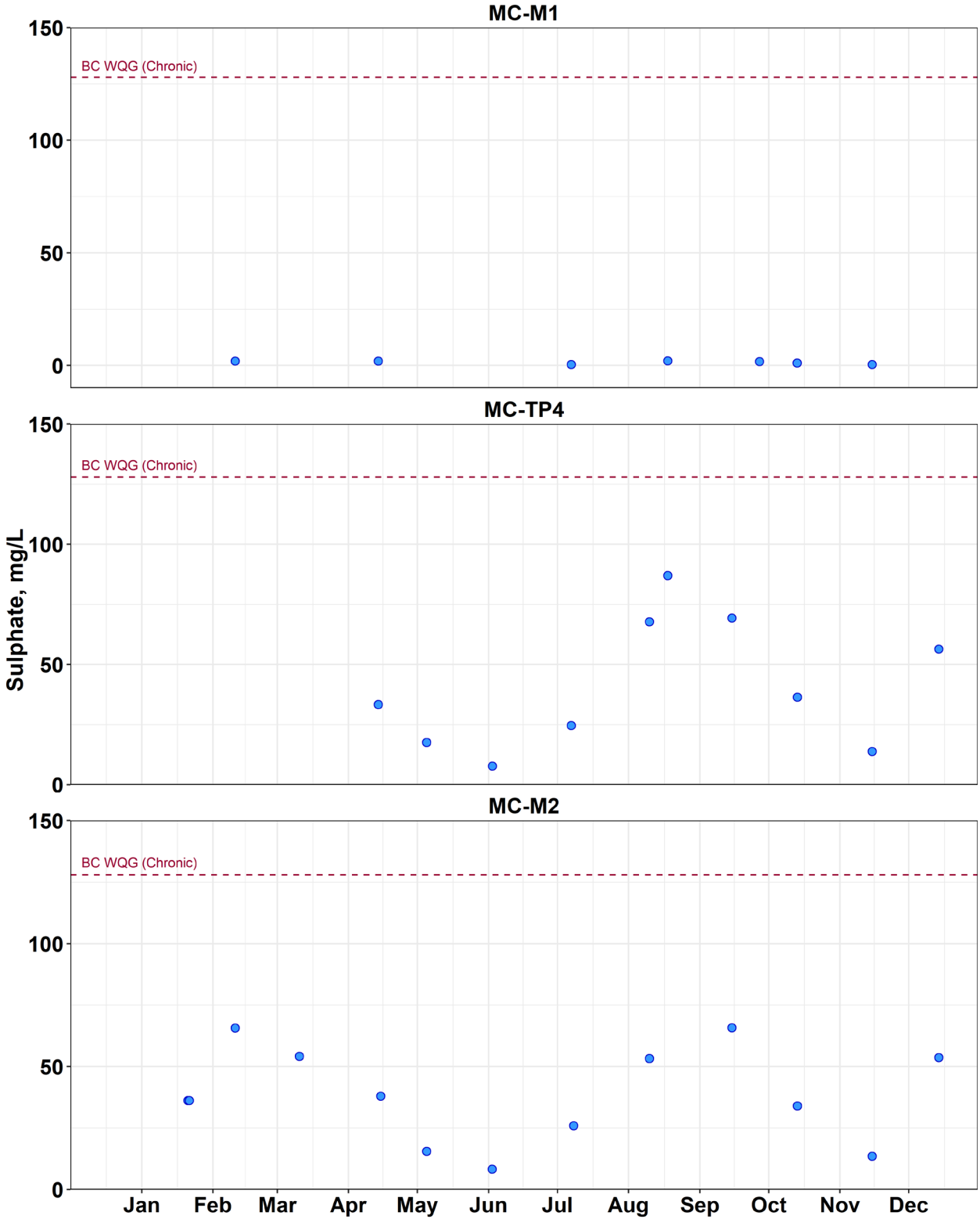


Figure 5-8. Sulphate Concentrations in Myra Creek at MC-M1, MC-TP4, and MC-M2, 2021

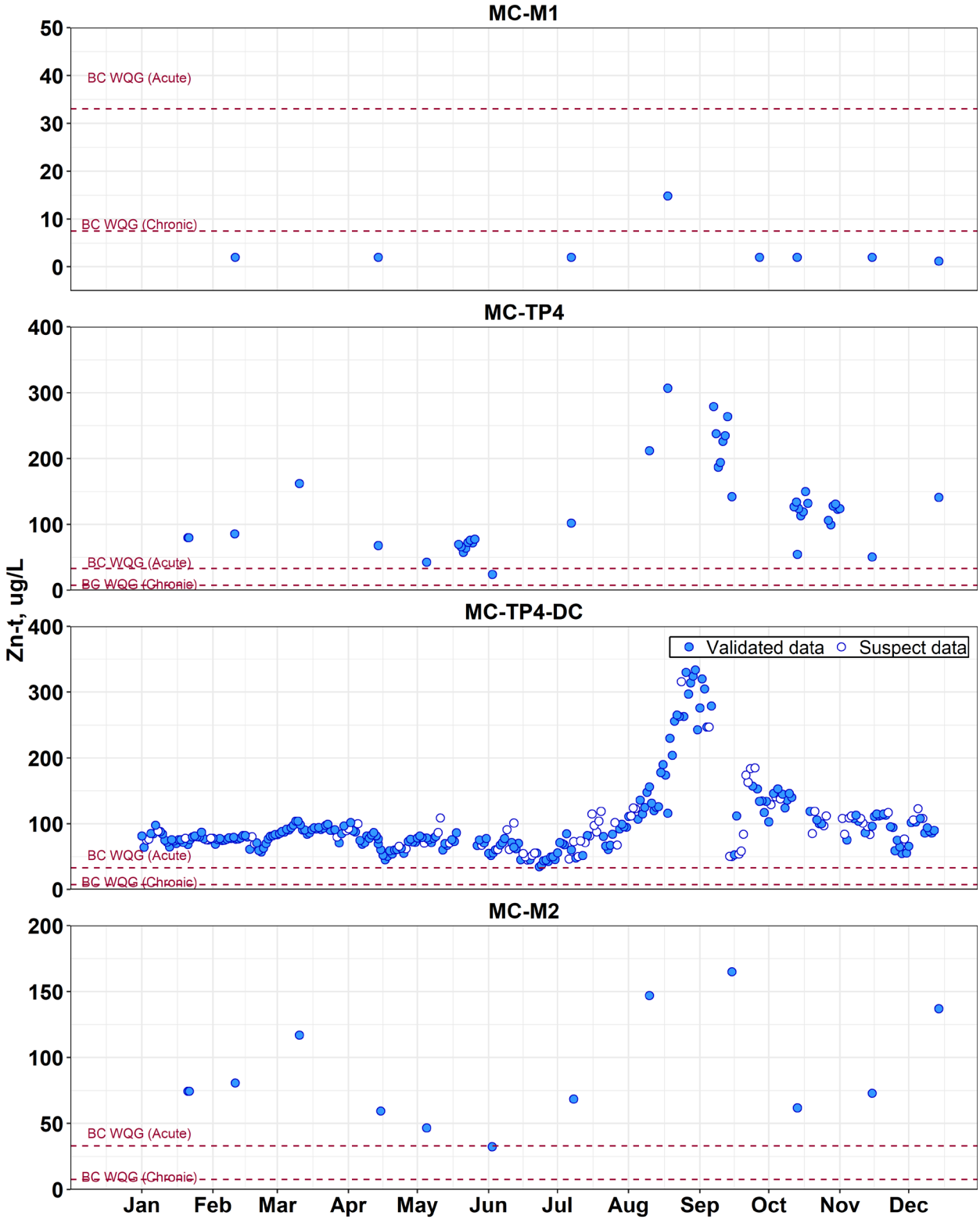


Figure 5-9. Zn-t Concentrations in Myra Creek at MC-M1, MC-TP4, and MC-M2, 2021

5.1.3 *Long-Term Water Quality Trends in Myra Creek*

Multi-year water quality time trends for Myra Creek are shown in **Figures 5-10 to 5-17**. Concentrations since April 2017 are shown because this is the period that an offsite laboratory has been used for water quality testing. Al-d, Cd-d, Cu-d, and Zn-t are plotted because concentrations in Myra Creek at MC-TP4 commonly exceed provincial WQGs and these are the parameters that have been plotted in previous reports based on guidance from the MECC. Fe-t, Se-t, and SO_4 concentrations are plotted for reference but do not exceed WQGs. Water quality trends for Myra Creek from 2011 to 2021 at MC-TP4-DC and MC-M2 are provided in **Figures 5-18 to 5-21.** These water quality trends suggest the data for 2021 are generally consistent with previous trends, as Cd-d, Cu-d, and Zn-t concentrations since 2011 have exceeded current BC WQGs.

Water quality time trends for station MC-M2 suggest a small decrease in concentrations in Myra Creek in recent years, as peak concentrations appear to be decreasing over time. Trendlines and standard error intervals for Cd, Cu, and Zn concentrations are provided for reference. This decrease was attributed to the operation of the Phase I Lynx SIS since September 30th, 2017. In 2021, however, there was no further decrease in concentrations, as concentrations of metals, e.g., Zn and Cd, increased in the summer when streamflows were lowest. This increase is attributed to changes in the operation of the Old TDF under-drains in February 2021. Further details are provided in the 2021 Reclamation Report, where an assessment of the Phase I Lynx SIS and the Old TDF under-drain system is provided.

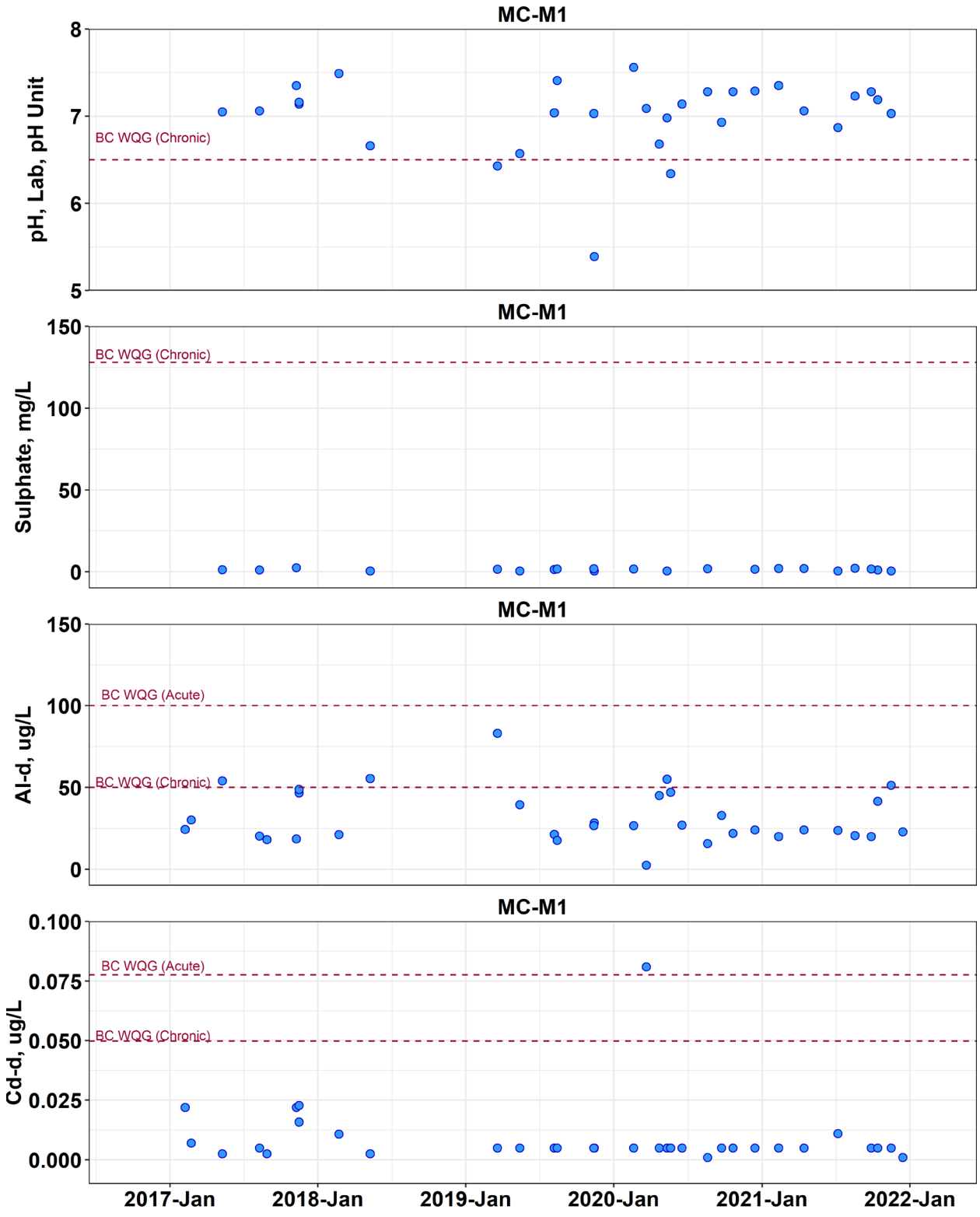


Figure 5-10. Lab pH, Sulphate, Al-d, and Cd-d Concentrations in Myra Creek at MC-M1, 2017 to 2021

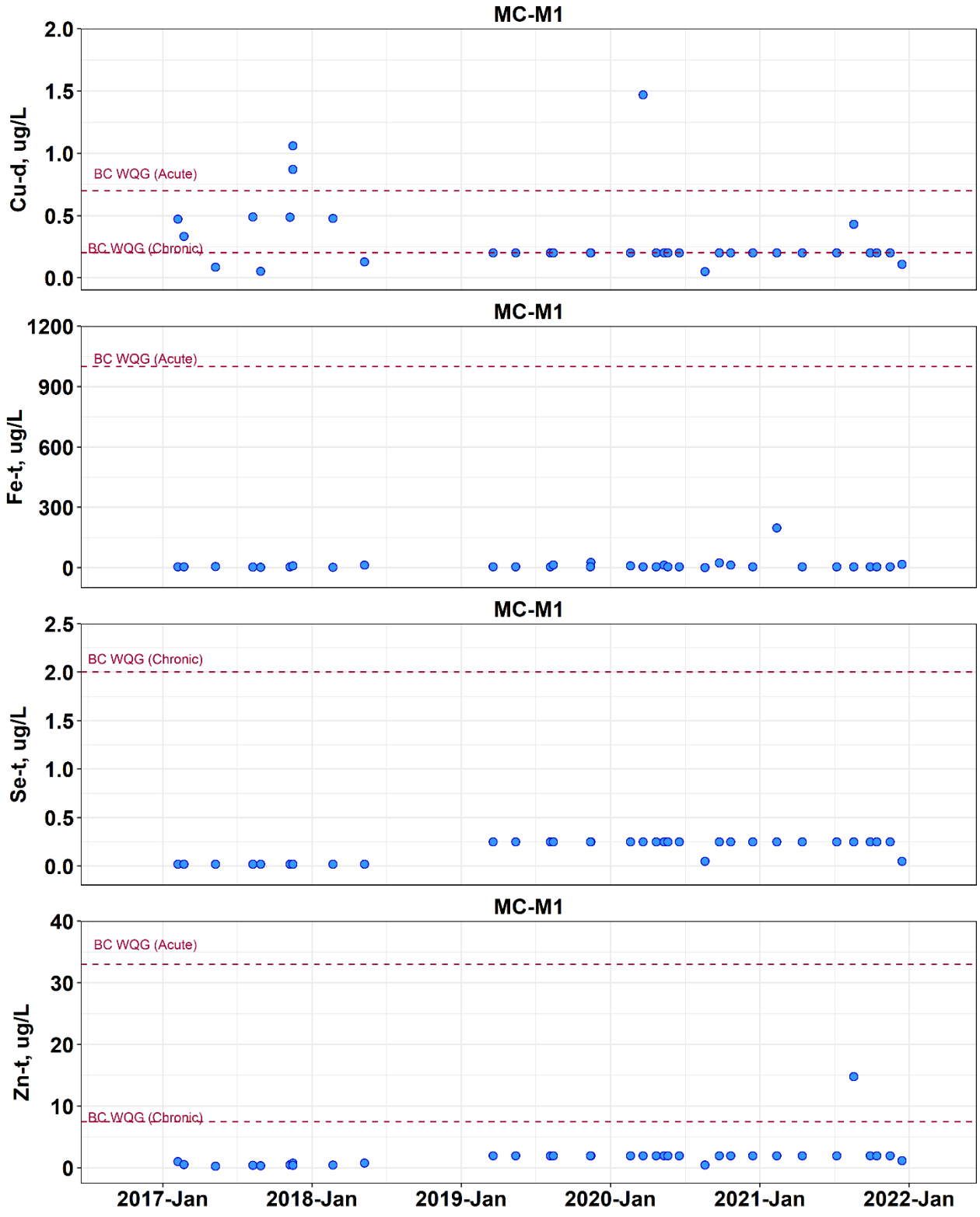


Figure 5-11. Cu-d, Fe-t, Se-t, and Zn-t Concentrations in Myra Creek at MC-M1, 2017 to 2021

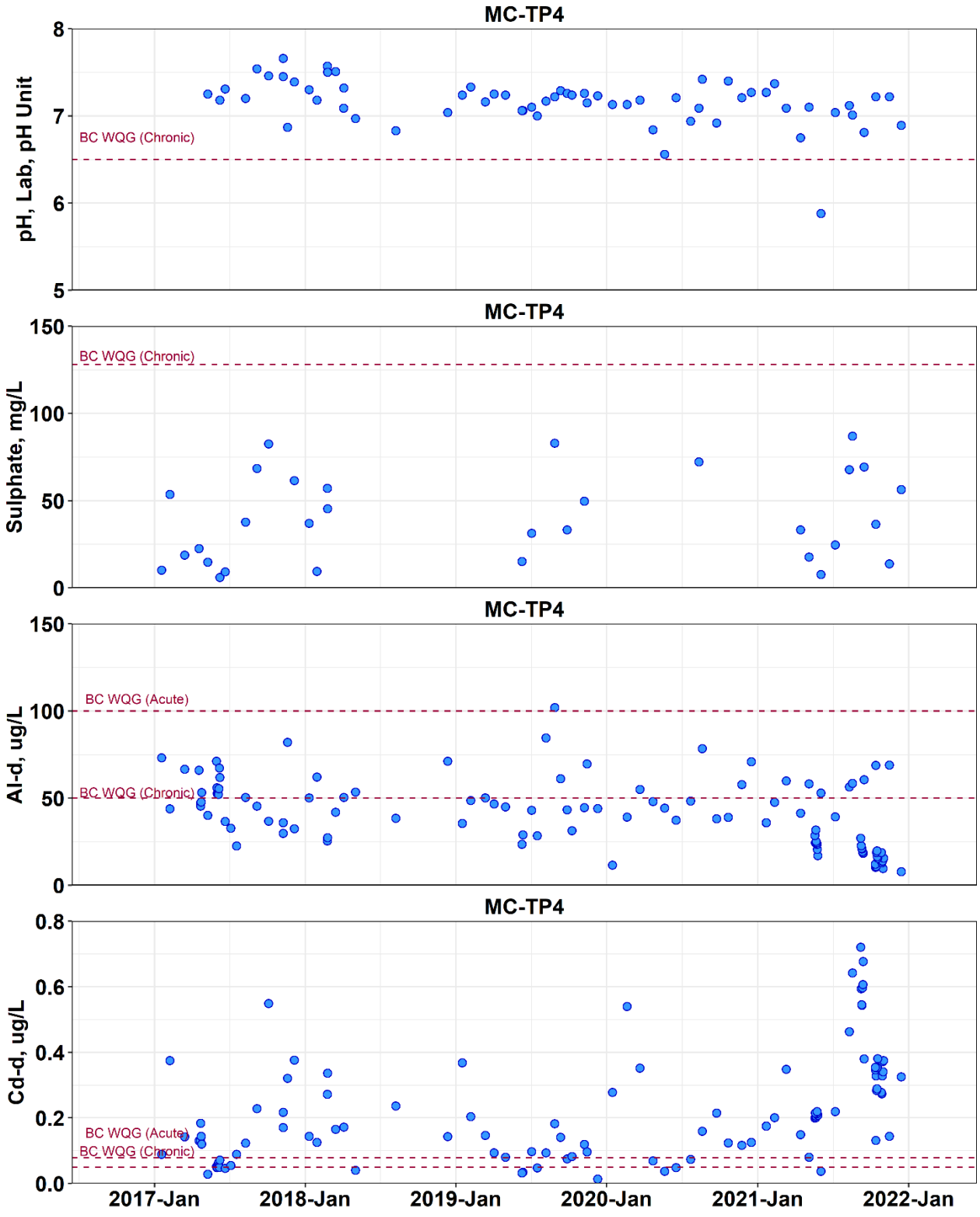


Figure 5-12. Lab pH, Sulphate, Al-d, and Cd-d Concentrations in Myra Creek at MC-TP4, 2017 to 2021

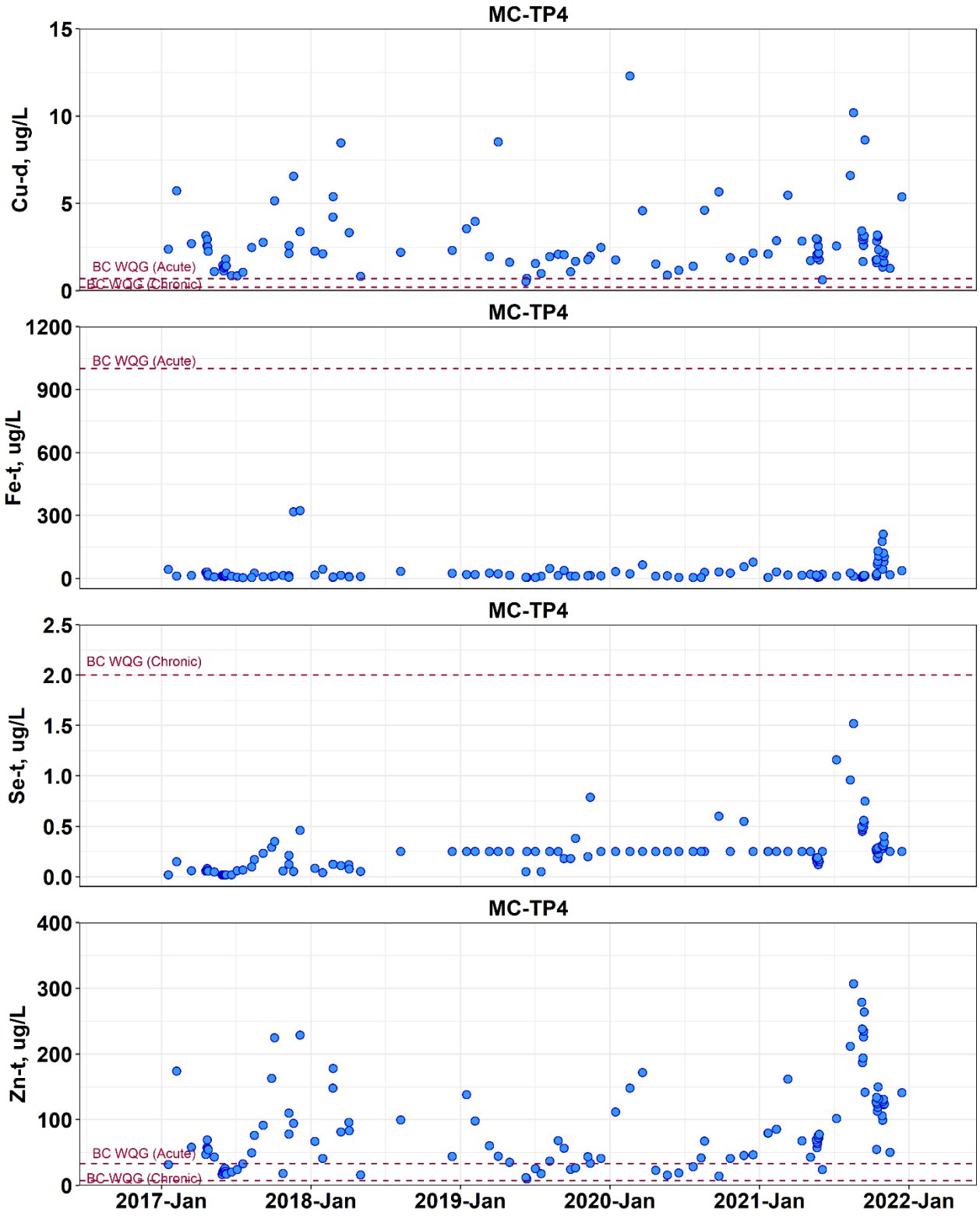


Figure 5-13. Cu-d, Fe-t, Se-t, and Zn-t Concentrations in Myra Creek at MC-TP4, 2017 to 2021

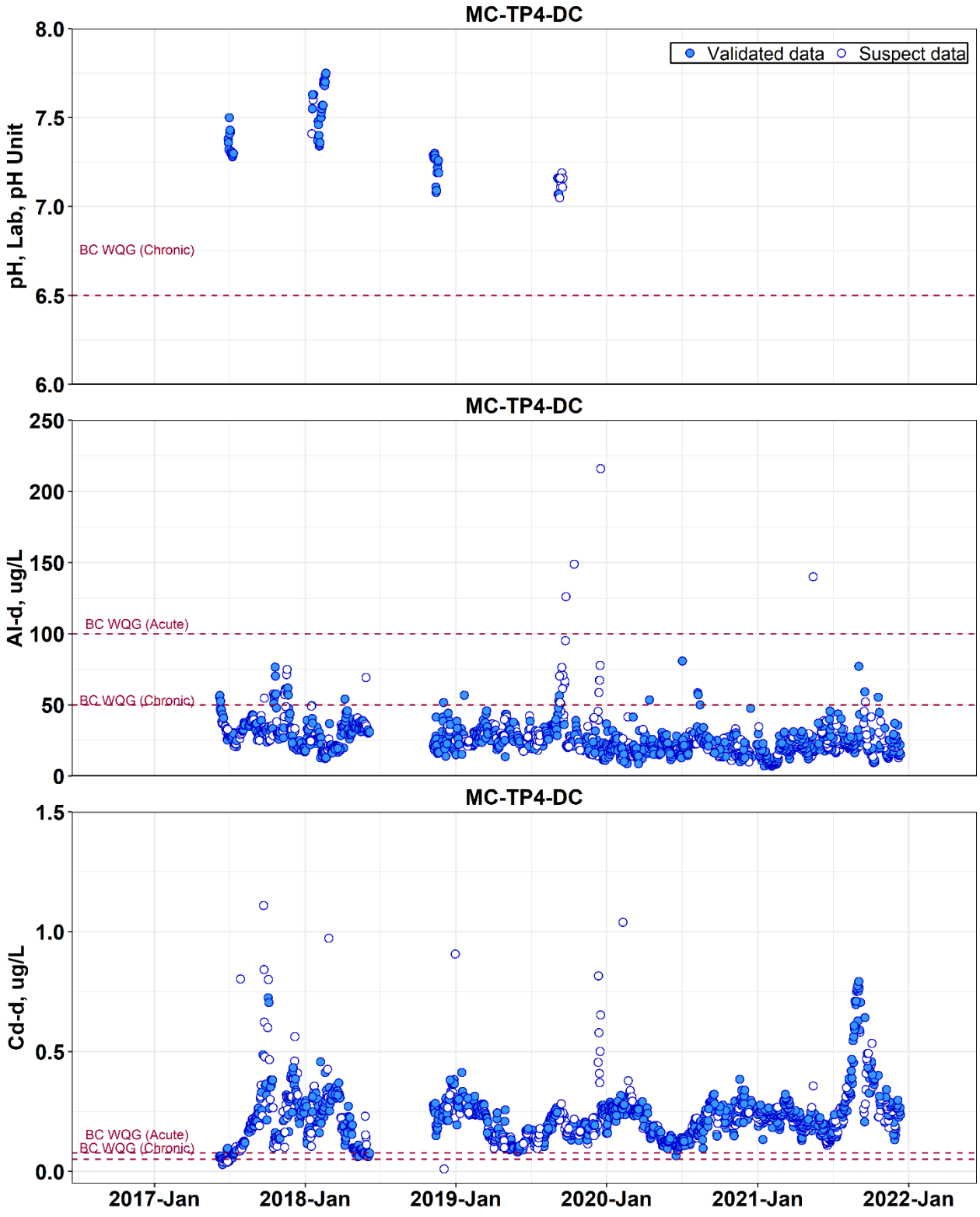


Figure 5-14. Lab pH, Al-d, and Cd-d Concentrations in Myra Creek at MC-TP4-DC, 2017 to 2021

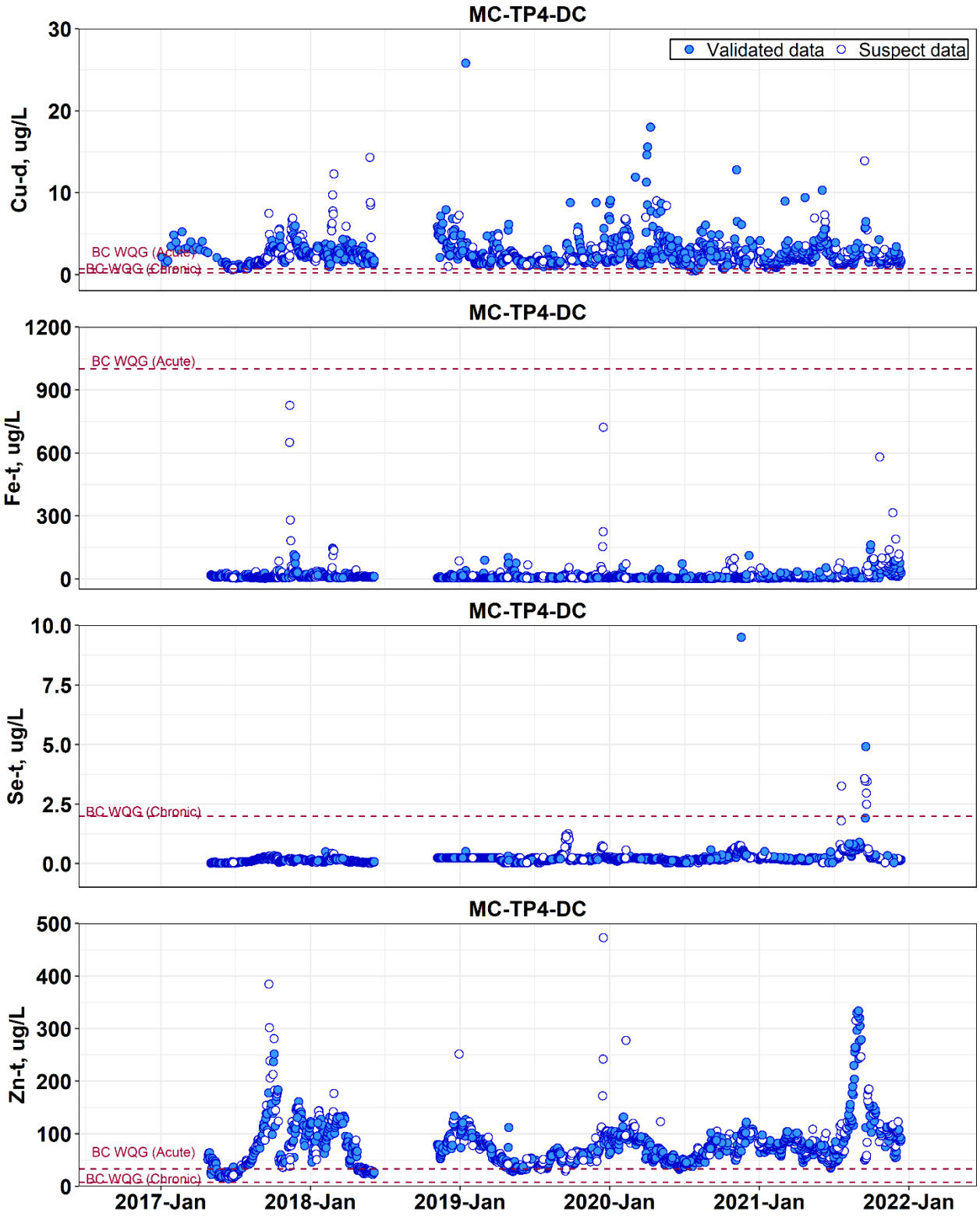


Figure 5-15. Cu-d, Fe-t, Se-t, and Zn-t Concentrations in Myra Creek at MC-TP4-DC, 2017 to 2021

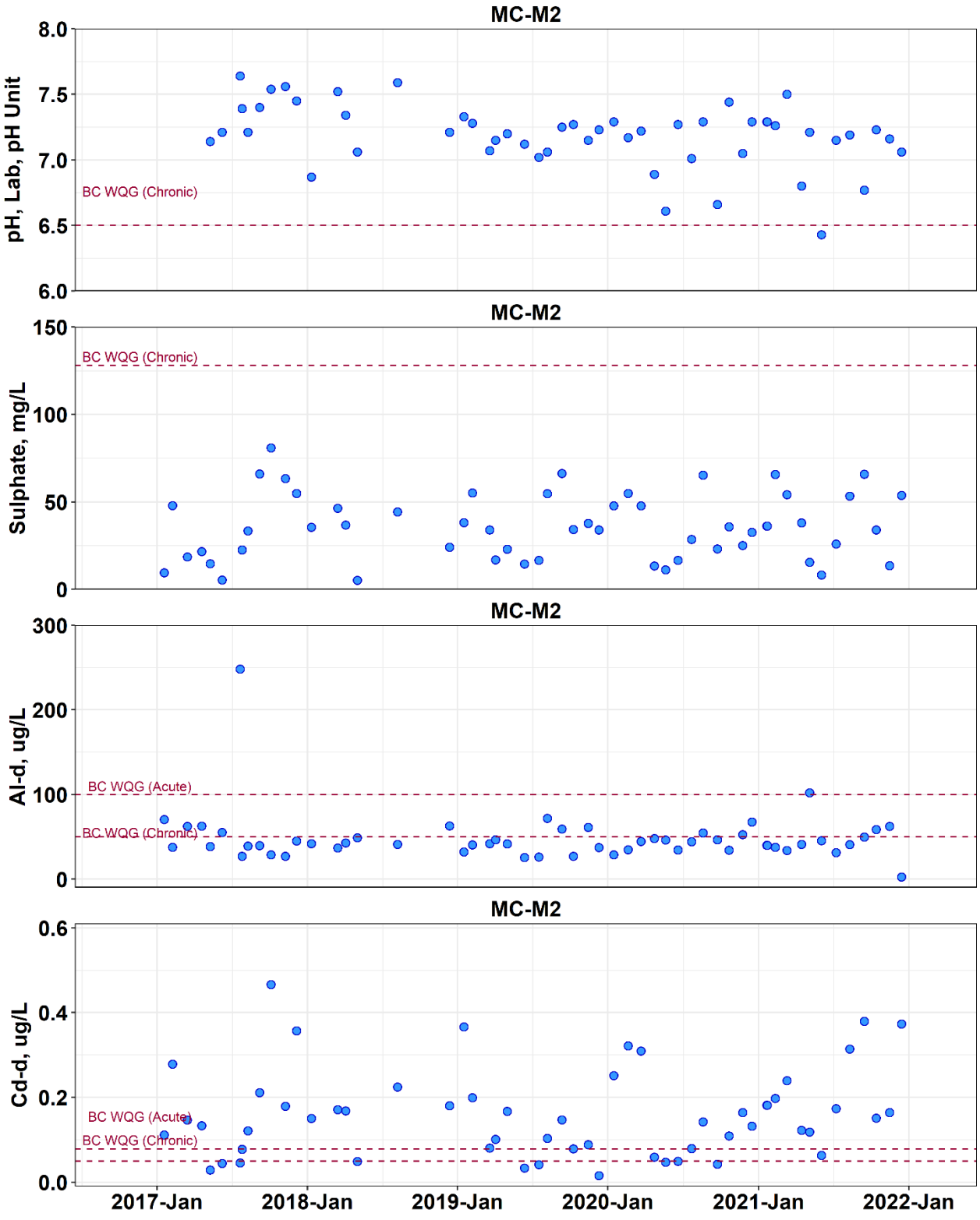


Figure 5-16. Lab pH, Sulphate, Al-d, and Cd-d Concentrations in Myra Creek at MC-M2, 2017 to 2021

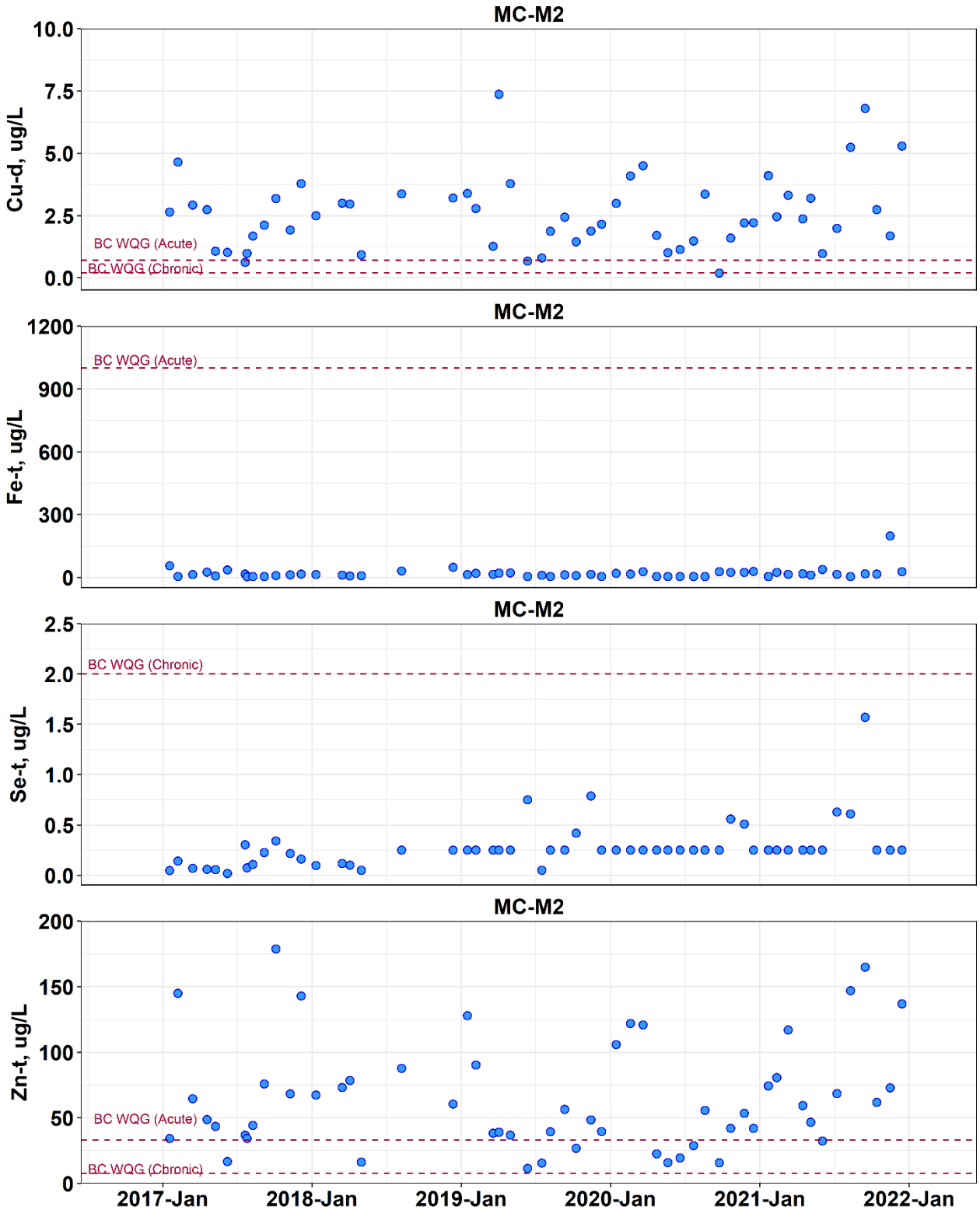


Figure 5-17. Cu-d, Fe-t, Se-t, and Zn-t Concentrations in Myra Creek at MC-M2, 2017 to 2021

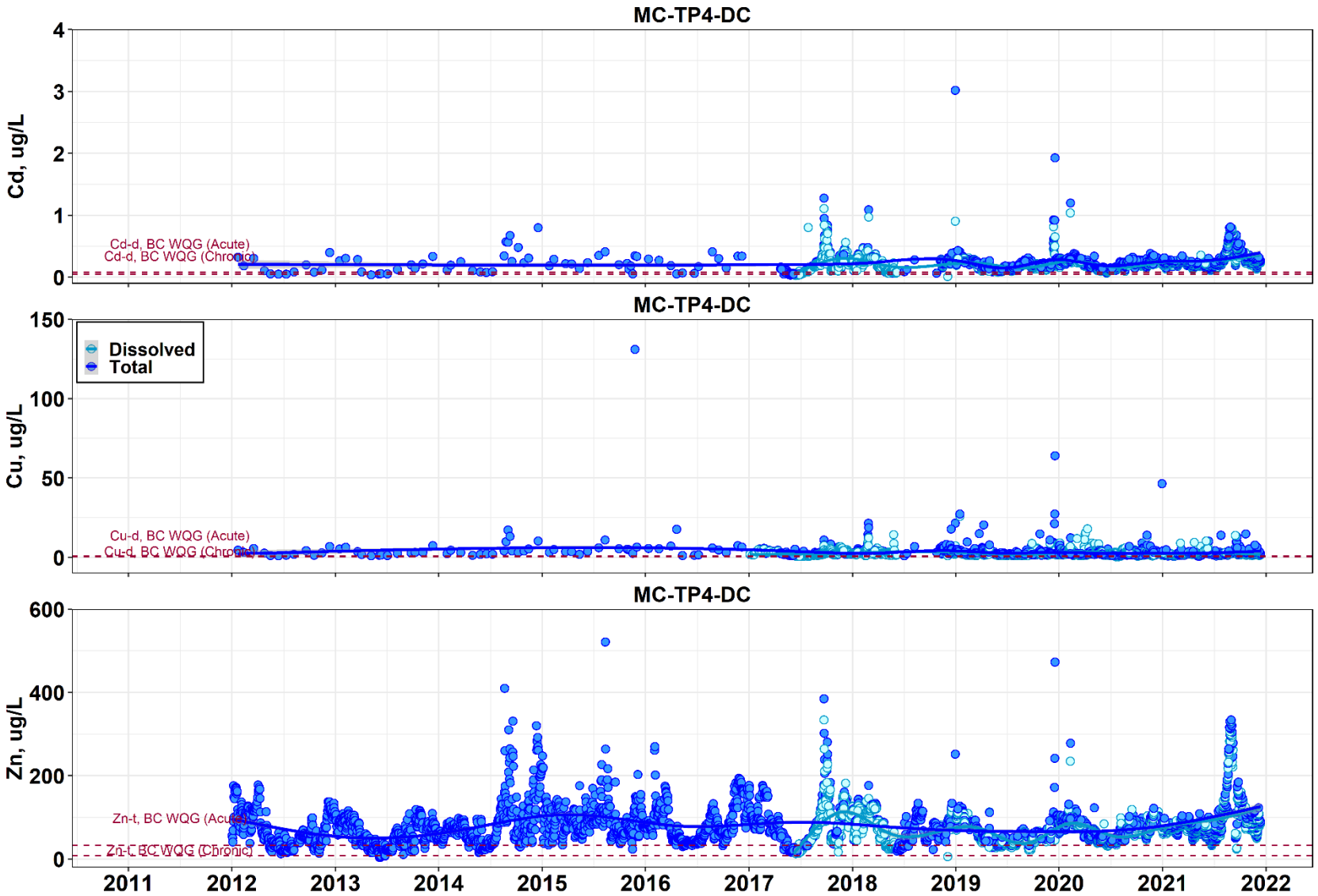


Figure 5-18. Cd, Cu, and Zn Concentrations in Myra Creek at MC-TP4-DC, 2011 to 2021

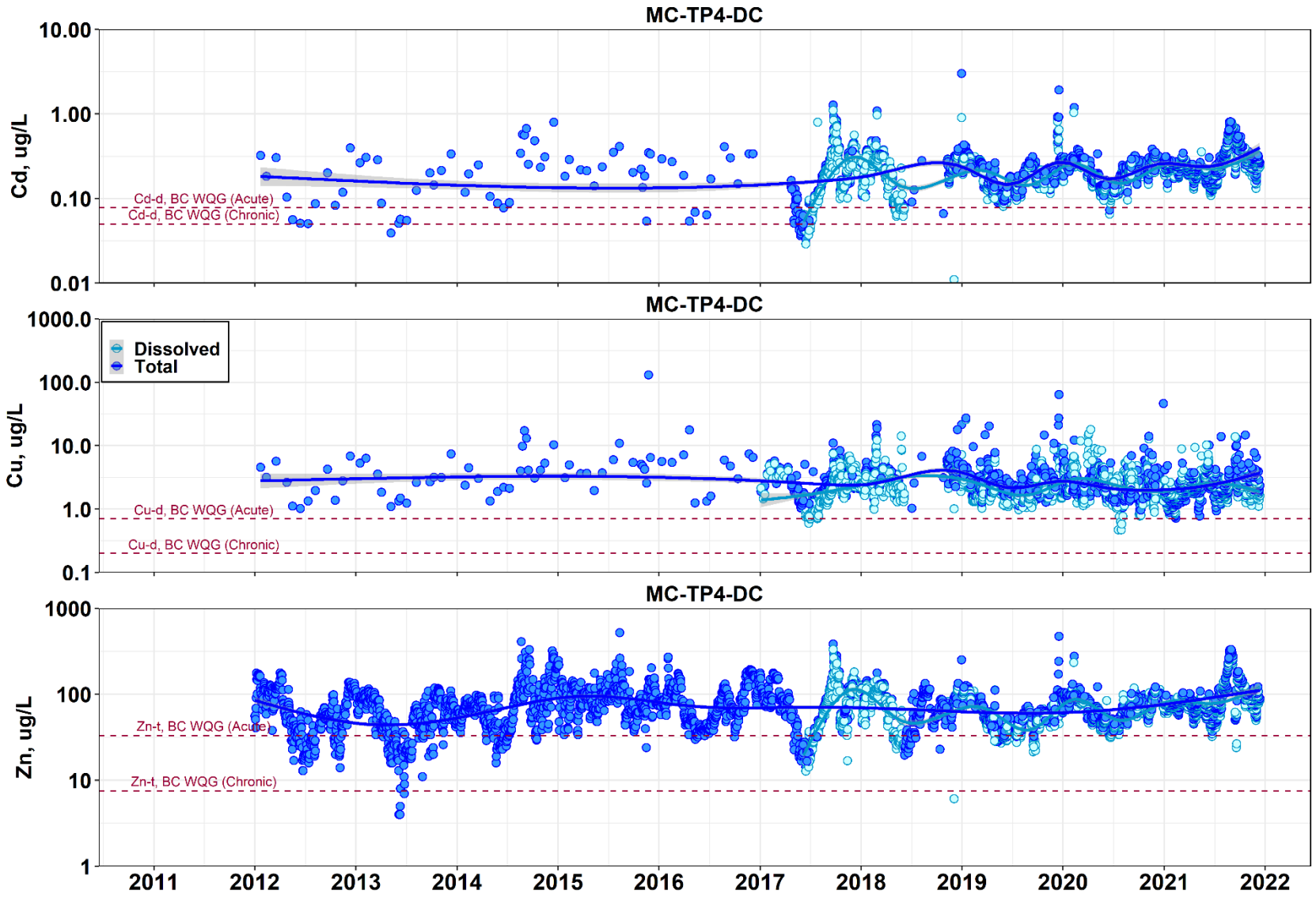


Figure 5-19. Cd, Cu, and Zn Concentrations in Myra Creek at MC-TP4-DC, 2011 to 2021 – Log scale

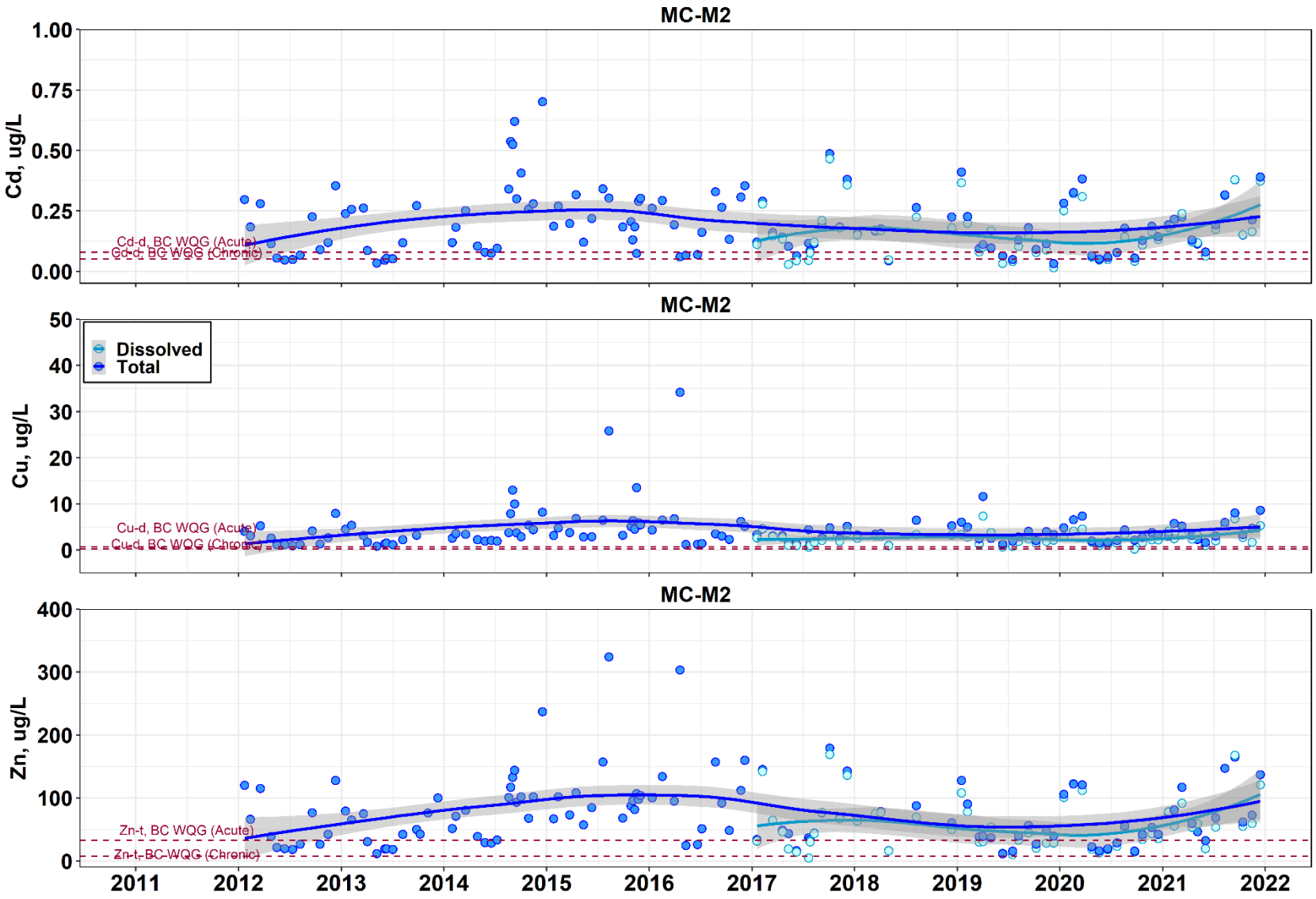


Figure 5-20. Cd, Cu, and Zn Concentrations in Myra Creek at MC-M2, 2011 to 2021

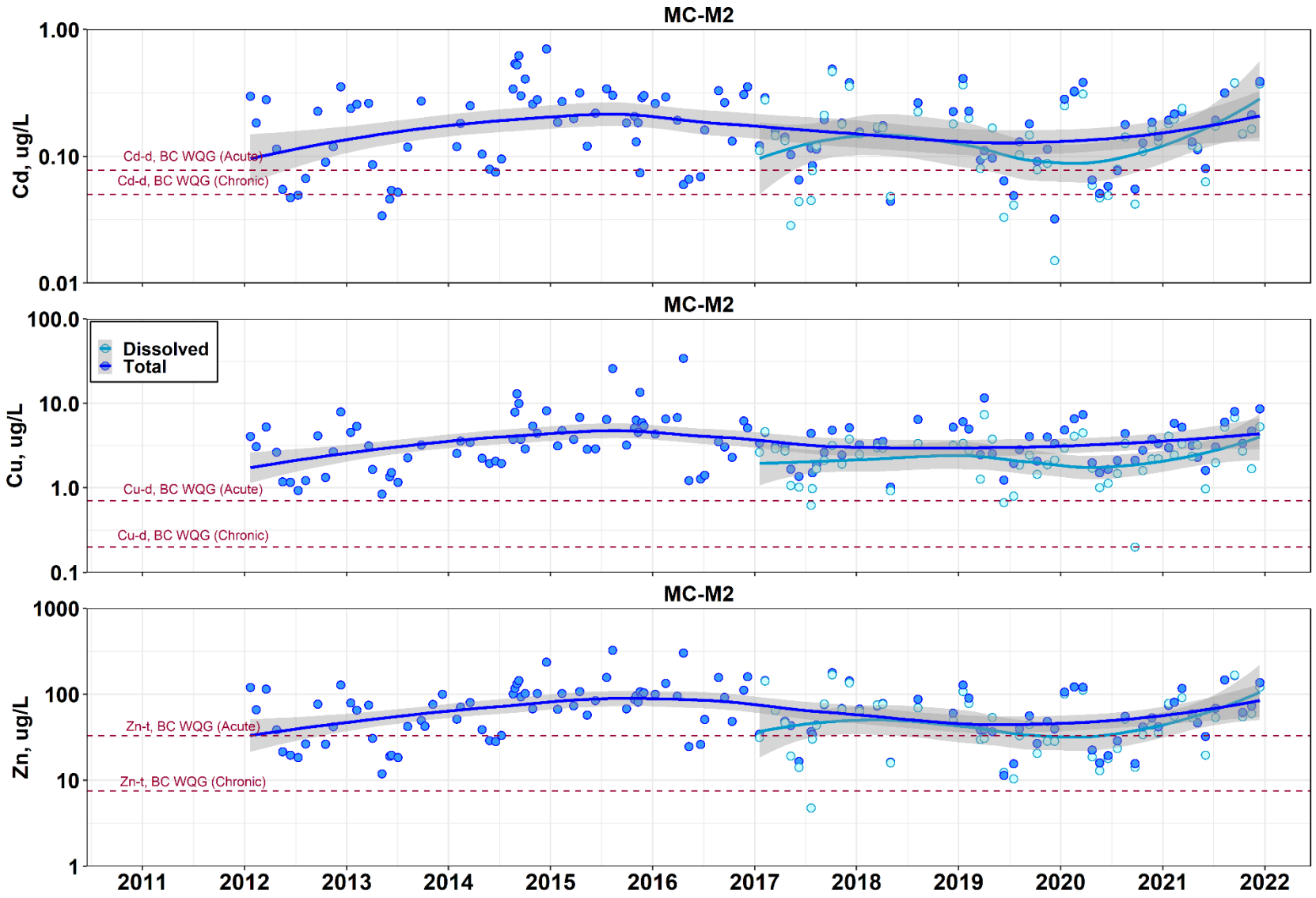


Figure 5-21. Cd, Cu, and Zn Concentrations in Myra Creek at MC-M2, 2011 to 2021 – Log Scale

Thelwood Creek

5.1.4 *Streamflow Monitoring*

Thelwood Creek is un-gauged, so no streamflow data are available.

5.1.5 *Water Quality in Thelwood Creek*

The water quality monitoring location for Thelwood Creek is shown in **Figures 5-22** and **5-23**. Cu-d concentrations in Thelwood Creek exceeded chronic (long-term) BC WQG in 2021. Concentrations of other metals were below chronic BC WQGs. Concentrations in Thelwood Creek are related to natural sources in the catchment upstream and a very minor contribution from Price Mine effluent that cannot be discerned from the data available.

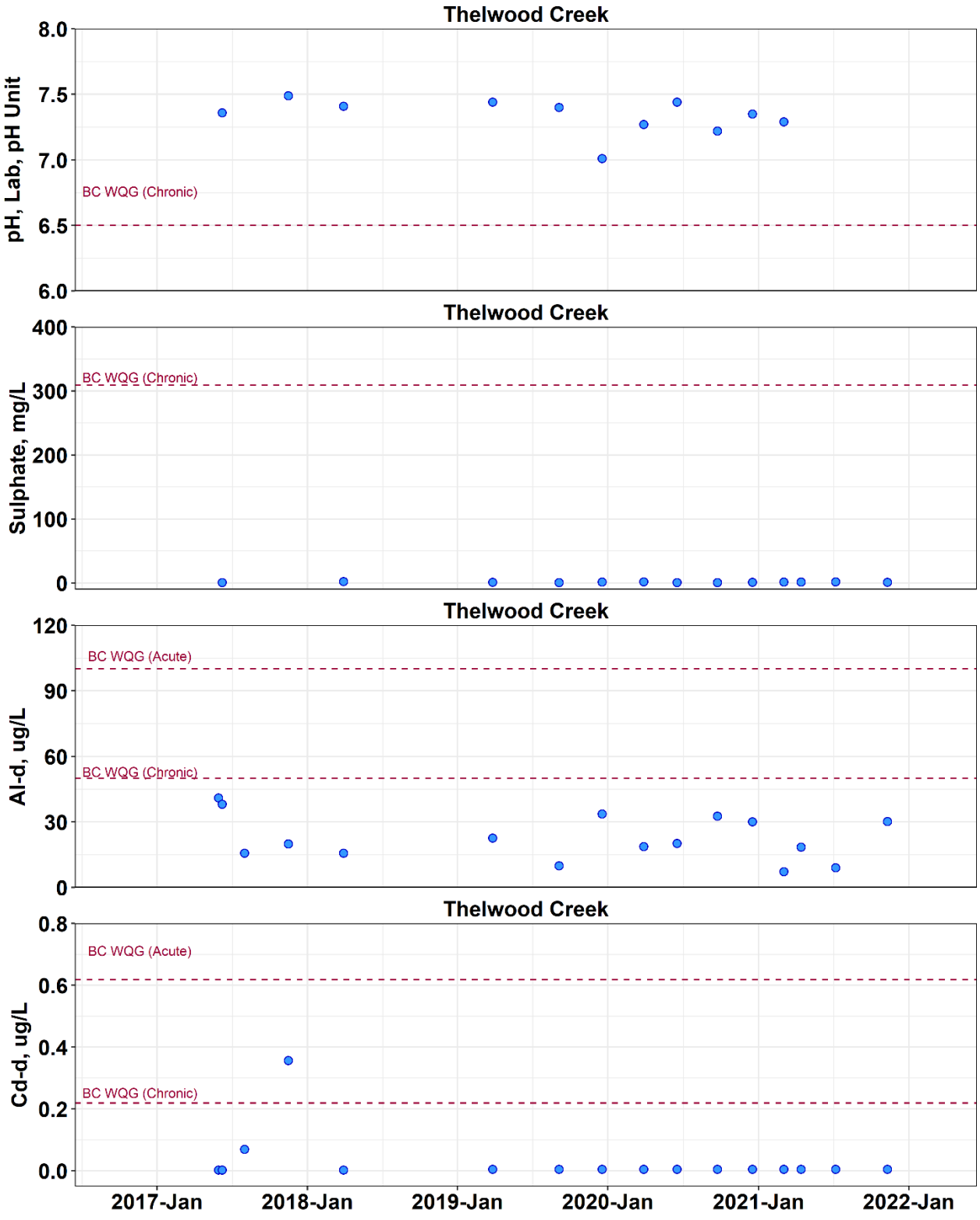


Figure 5-22. Lab pH, Sulphate, Al-d, and Cd-d Concentrations in Thelwood Creek, 2017 to 2021

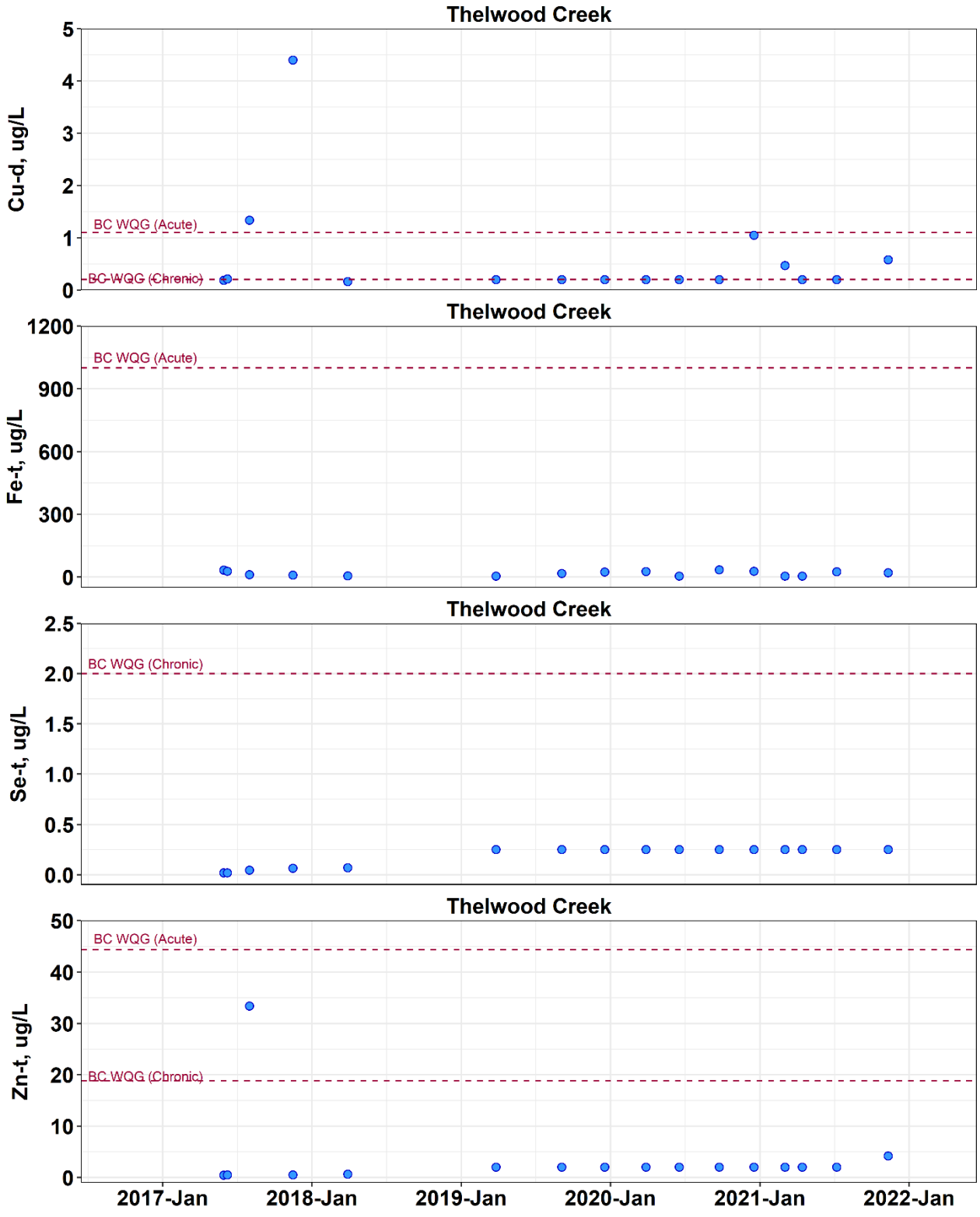


Figure 5-23. Cu-d, Fe-t, Se-t, and Zn-t Concentrations in Thelwood Creek, 2017 to 2021. Note: Fe-t, Se-t and Zn-t are replaced with dissolved concentrations for March 3rd samples.

5.2 BUTTLE LAKE

5.2.1 *Water Quality Results*

Water quality results for Buttle Lake from April 2017 to the end of 2021 are plotted in **Figures 5-24** to **5-31**. The Henshaw Creek station is 2.8 km from the base of Myra Falls. It is in the middle of Buttle Lake across from the Henshaw Creek delta. This is the station that is closest to the area where tailings discharged from 1967 to 1984 have accumulated at the bottom of Buttle Lake. The Karst Creek station is about 6 km further downstream of the Henshaw Creek station and is mid-lake from the Karst Creek boat ramp (see Section 2.5 for further details).

Key observations for Buttle Lake water quality are summarized below:

- **Henshaw Creek station**
  - Zn-t concentrations in Buttle Lake at the Henshaw Creek station are the highest of the three monitoring stations. This is due to the proximity of this station to Myra Creek, which is the largest input of Zn and metals to Buttle Lake. Concentrations of Zn-t and Cd-d were high in February (~16.3 and ~0.045 ug/L, respectively), then concentrations decrease in April and fluctuate between approximately 11.2 to 12.5 ug/L for Zn-t and 0.02 and 0.04 ug/L for Cd-d to the end of October. The highest concentrations belong to December 2021 (22.3 ug/L and 0.045 ug/L for Zn-t and Cd-d, respectively). This is the same pattern observed in previous years. Zn-t concentrations in each sample (all depths) exceed long-term (chronic) BC WQGs. One sample from the lake surface at Henshaw Creek exceeded the acute BC WQG for Zn-t in 2021. Several samples exceeded the acute BC WQG for Cu-d.
- **Karst Creek station**
  - Zn-t concentrations in Buttle Lake at the Karst Creek station are lower than at the Henshaw Creek station. Lower concentrations at the Karst Creek station are related to the greater distance between the Karst Creek station and the base of Myra Falls, where impacted creek water enters Buttle Lake. The Zn-t concentration is highest in February (~12 ug/L) and fluctuates between ~6 to ~8 ug/L from April to December. The lowest concentrations of Zn-t and other metals are observed in the late summer. Samples from the Karst Creek station often exceeded the chronic BC WQG for Zn-t and one sample exceeded the acute BC WQG in 2021.
- **Gold River bridge station**
  - Monthly surface samples (0 m) from the Gold River bridge station show that the Zn-t concentration increases from ~7 ug/L in January to ~13 ug/L in April, then it decreases to ~7 in July before reaches to its maximum of ~14 ug/L in August, and decreases in subsequent months. The minimum Zn-t concentration happens in October (~4 ug/L).

Concentrations are comparatively low, however, as concentrations of Zn-t and most other metals are often near or below the chronic BC WQG. Four samples from the Gold River bridge station exceeded the chronic WQGs for Cd-d and Cu-d in 2021. Al-d and Se-d concentrations were typically much lower than chronic BC WQGs.

5.2.2 *Biological Data*

Biological monitoring for both zooplankton and phytoplankton parameters was conducted at KARST and HENSHAW in February, April, June, August, October, and December, compliant with PE-6858 required frequency. Results of biological data are provided in **Appendix D**. The total abundance of phytoplankton in Buttle Lake was substantially lower in 2020 than in previous years. This was attributed to the use of a more dilute preservative during samples collection and has since been corrected. Further details are provided in reports prepared by Munro Environmental Consulting in 2021 (see **Appendix D**).

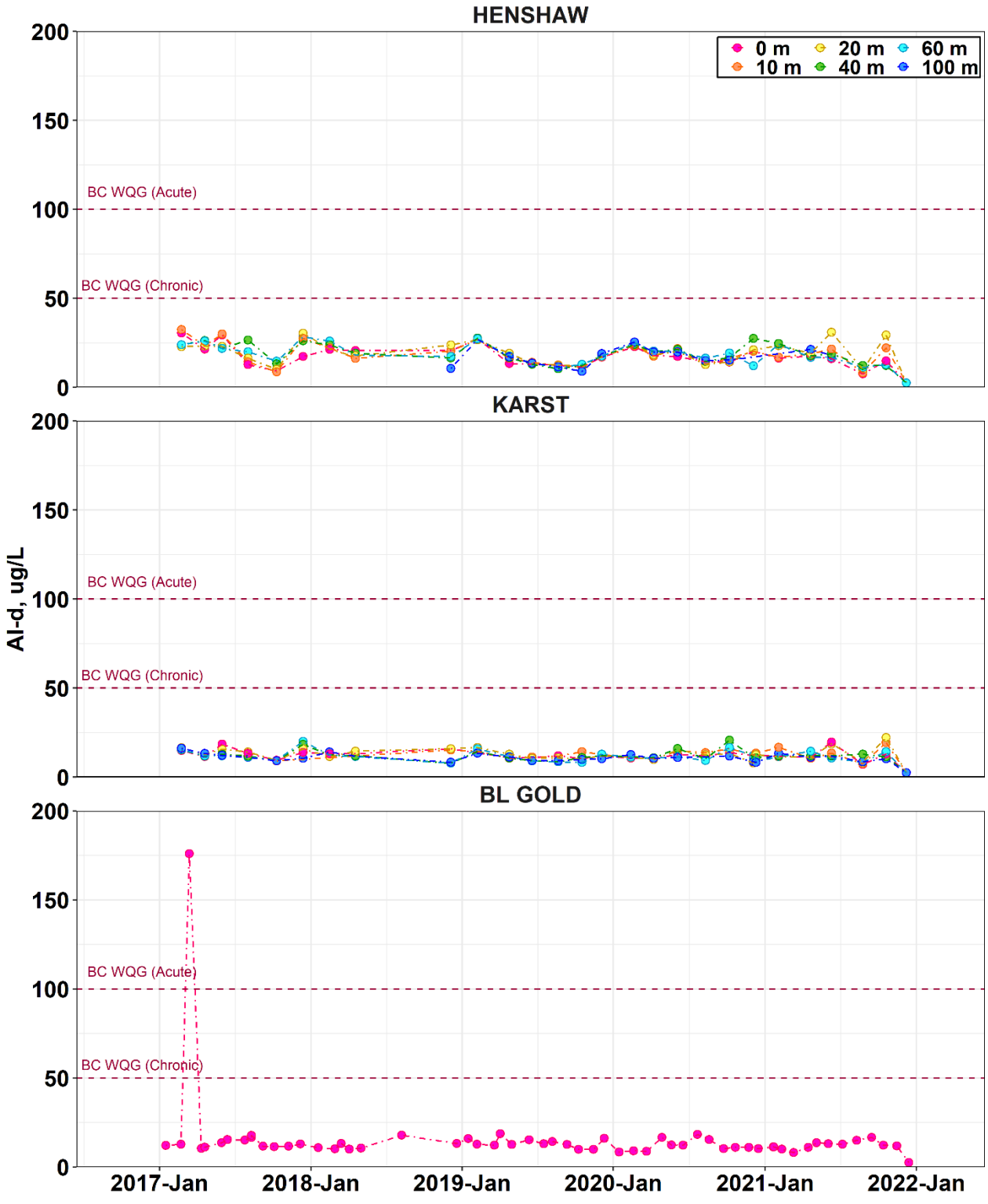


Figure 5-24. Al-d Concentrations in Buttle Lake, April 2017 to December 2021

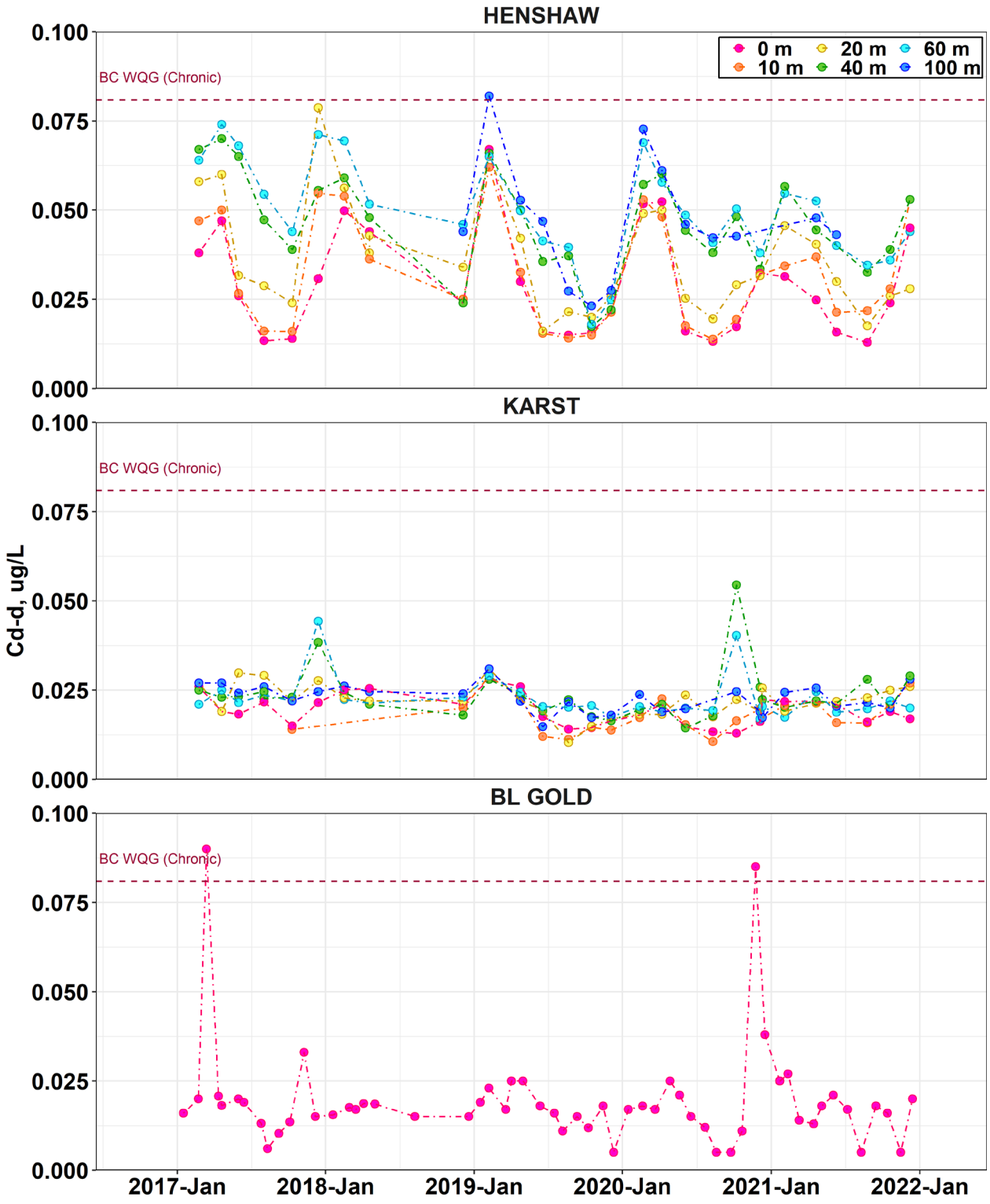


Figure 5-25. Cd-d Concentrations in Buttle Lake, April 2017 to December 2021

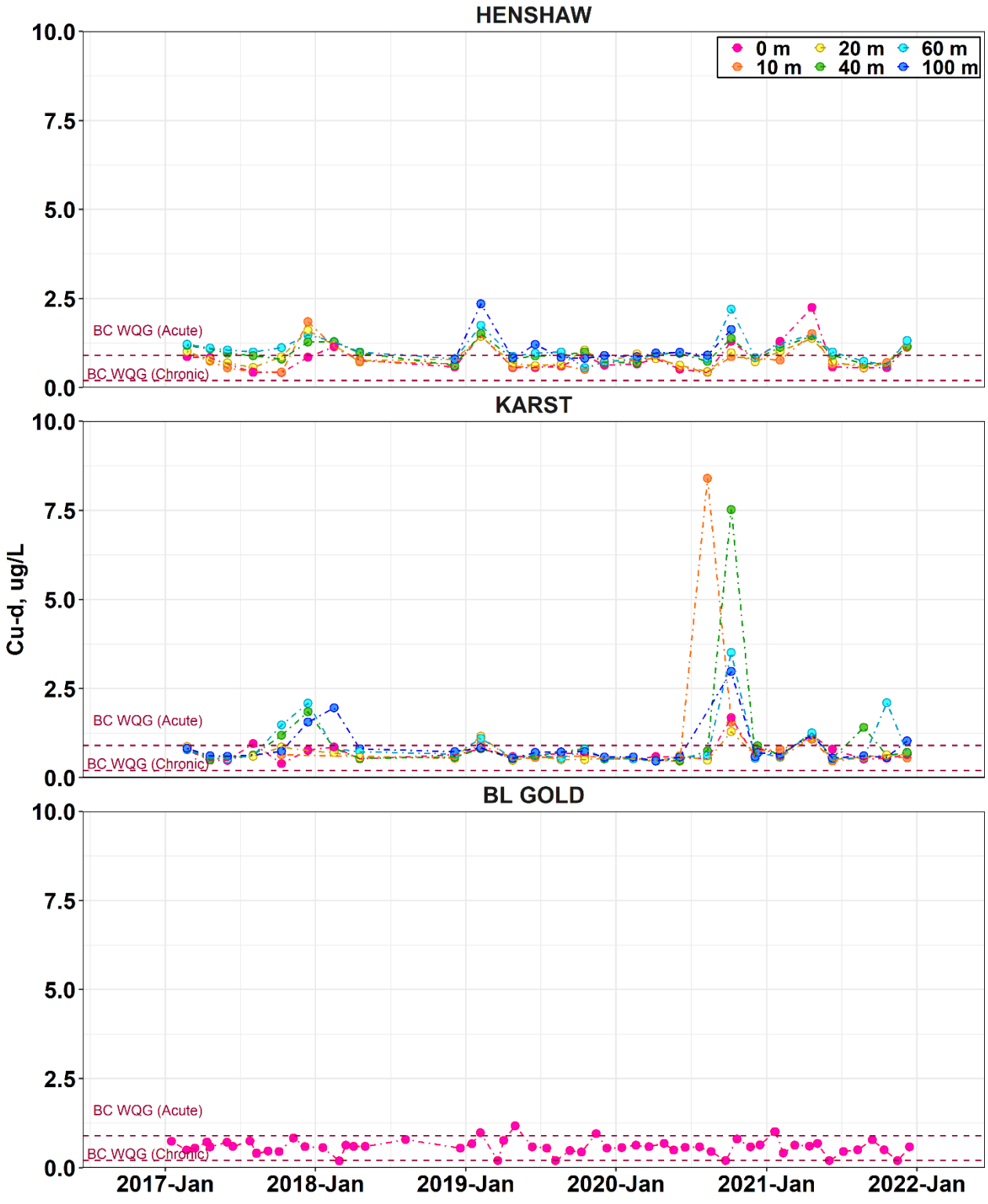


Figure 5-26. Cu-d Concentrations in Buttle Lake, April 2017 to December 2021

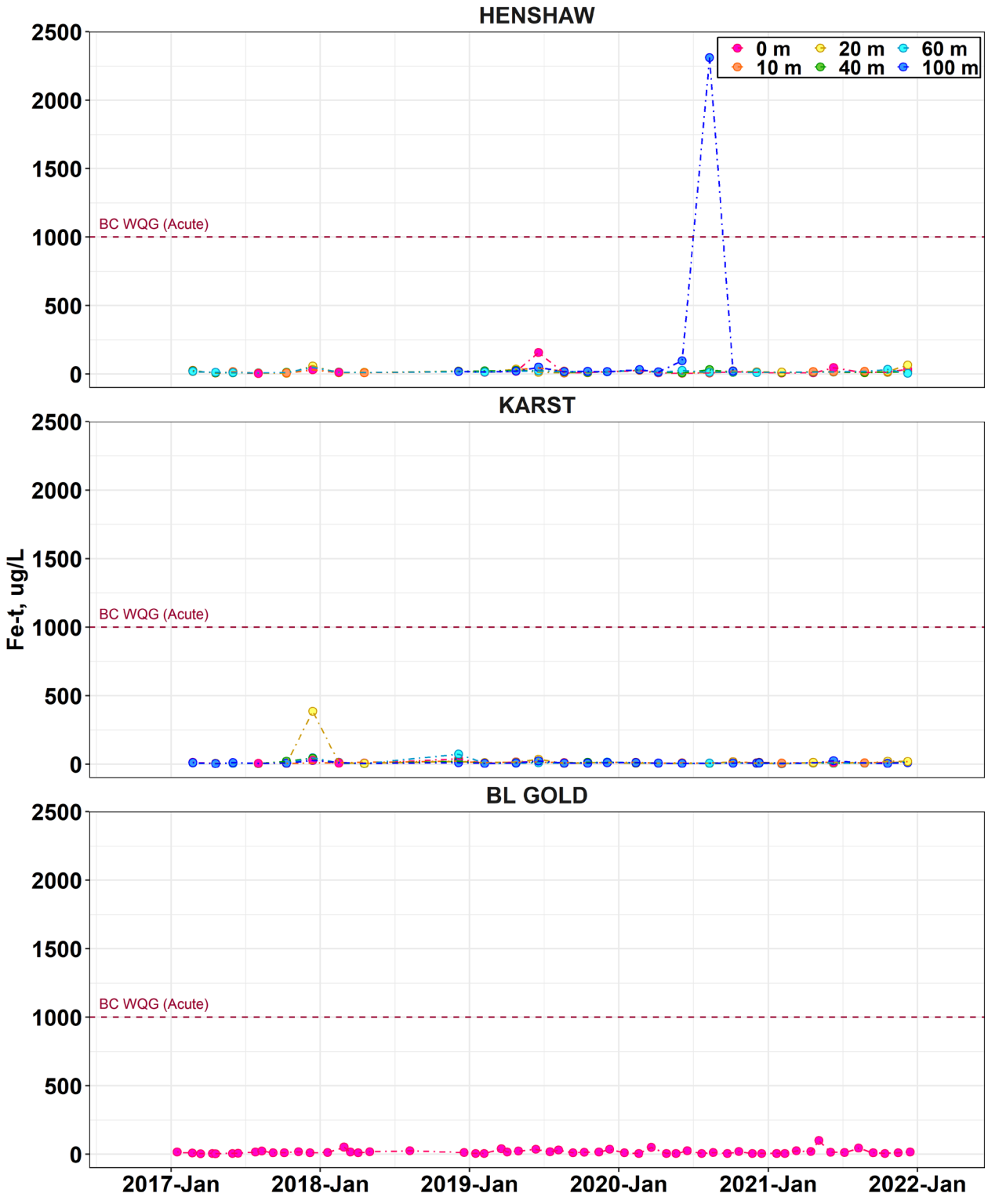


Figure 5-27. Fe-t Concentrations in Buttle Lake, April 2017 to December 2021

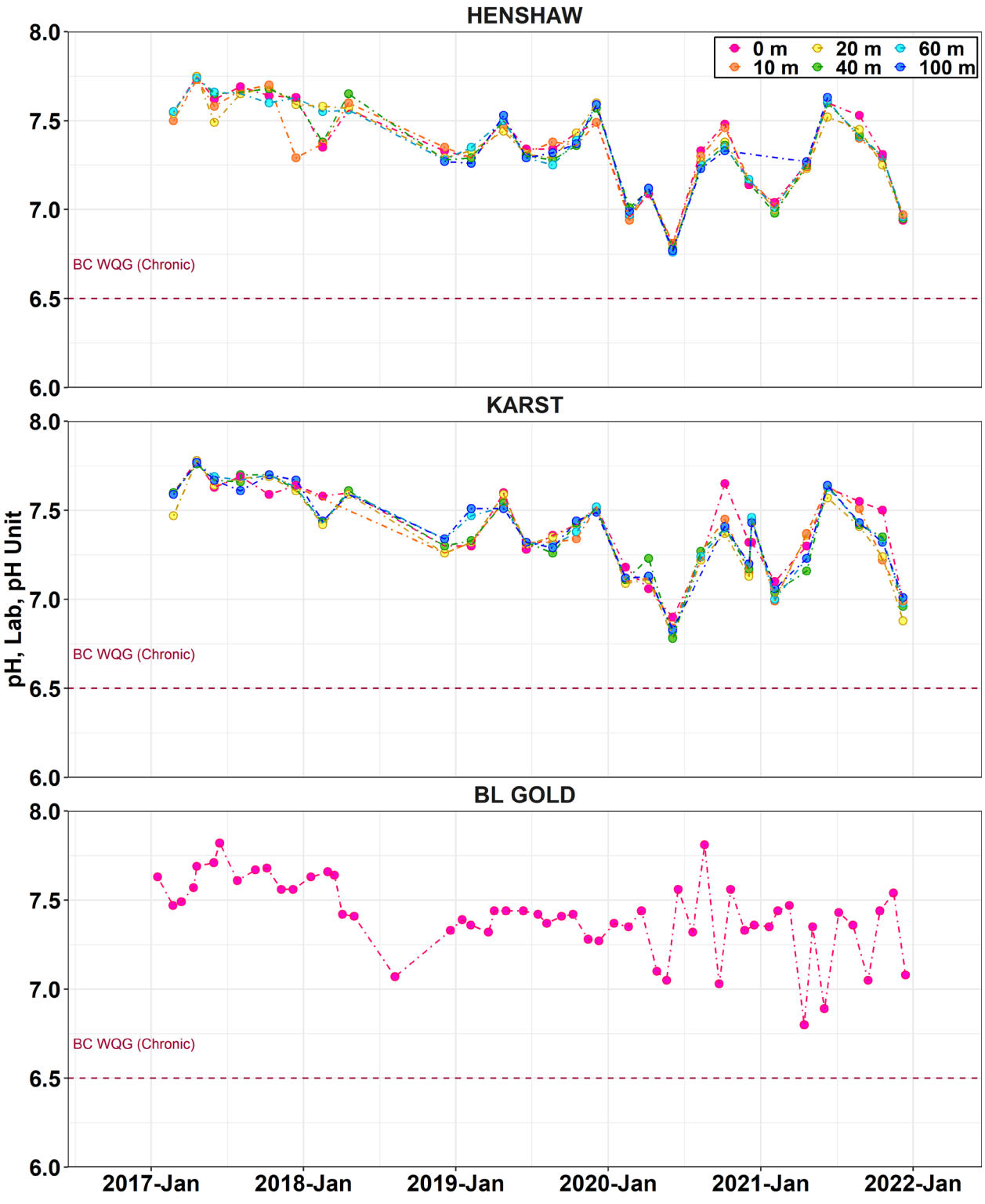


Figure 5-28. Lab pH Values in Buttle Lake, April 2017 to December 2021

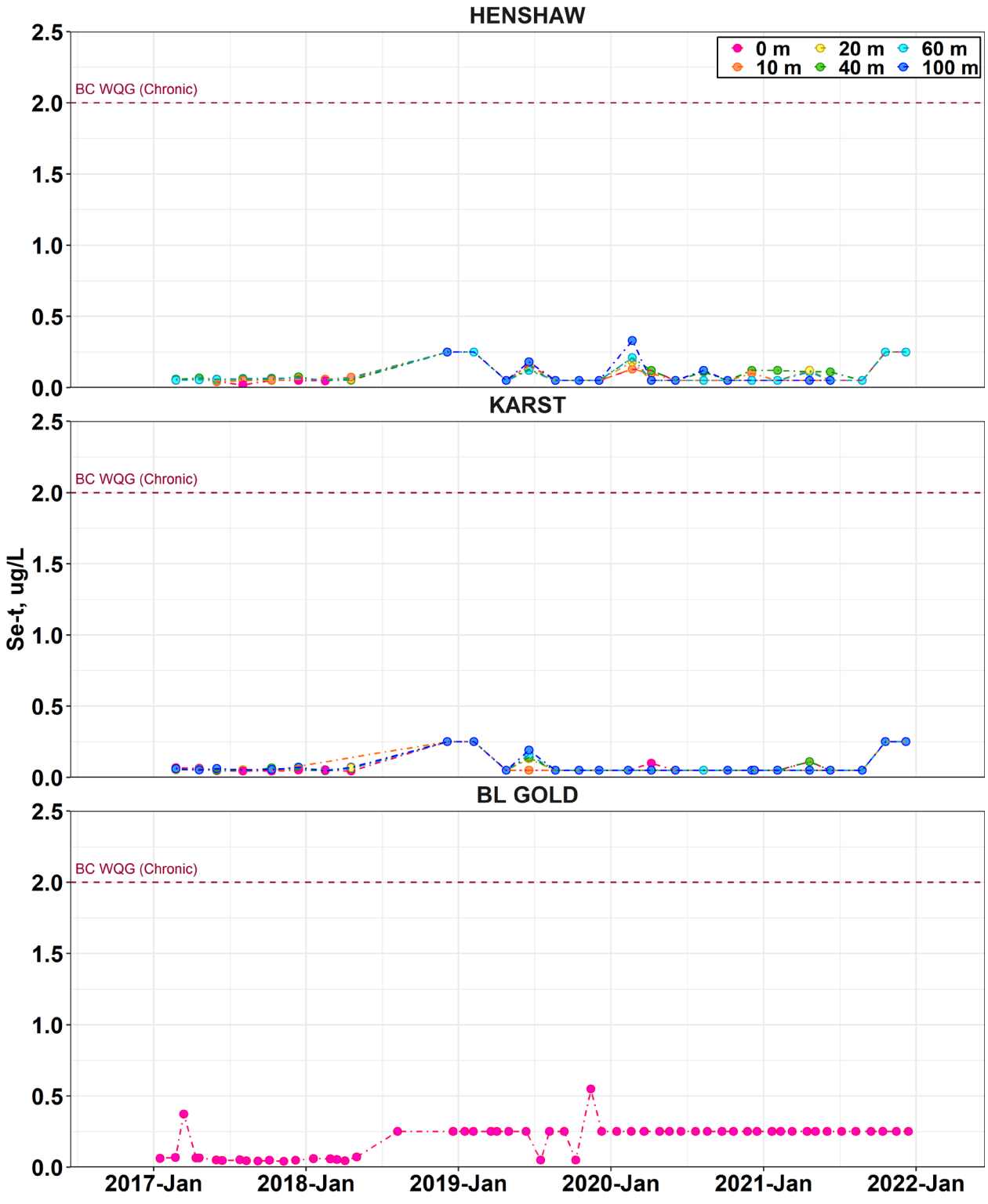


Figure 5-29. Se-t Concentrations in Buttle Lake, April 2017 to December 2021

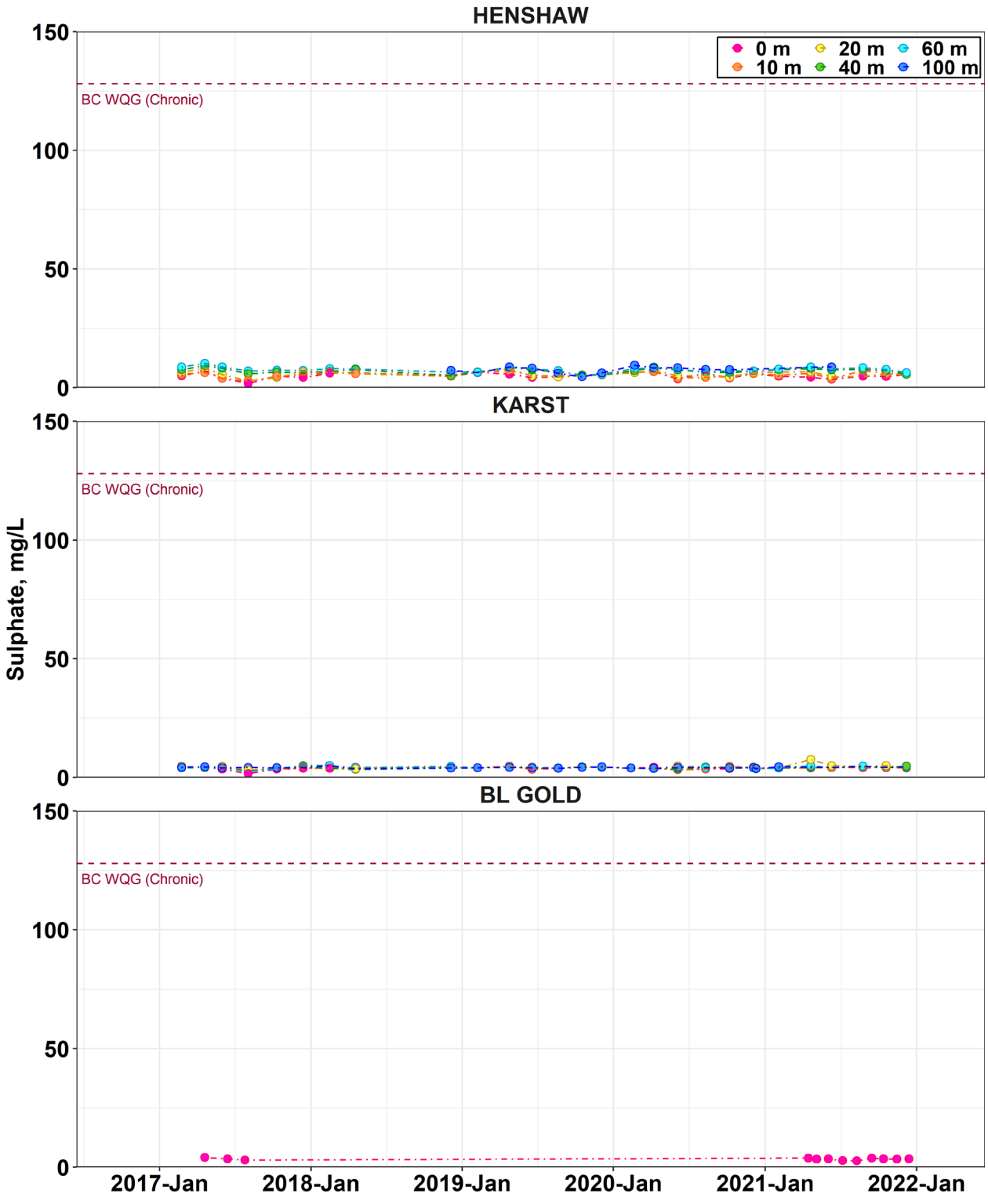


Figure 5-30. Sulphate Concentrations in Buttle Lake, April 2017 to December 2021

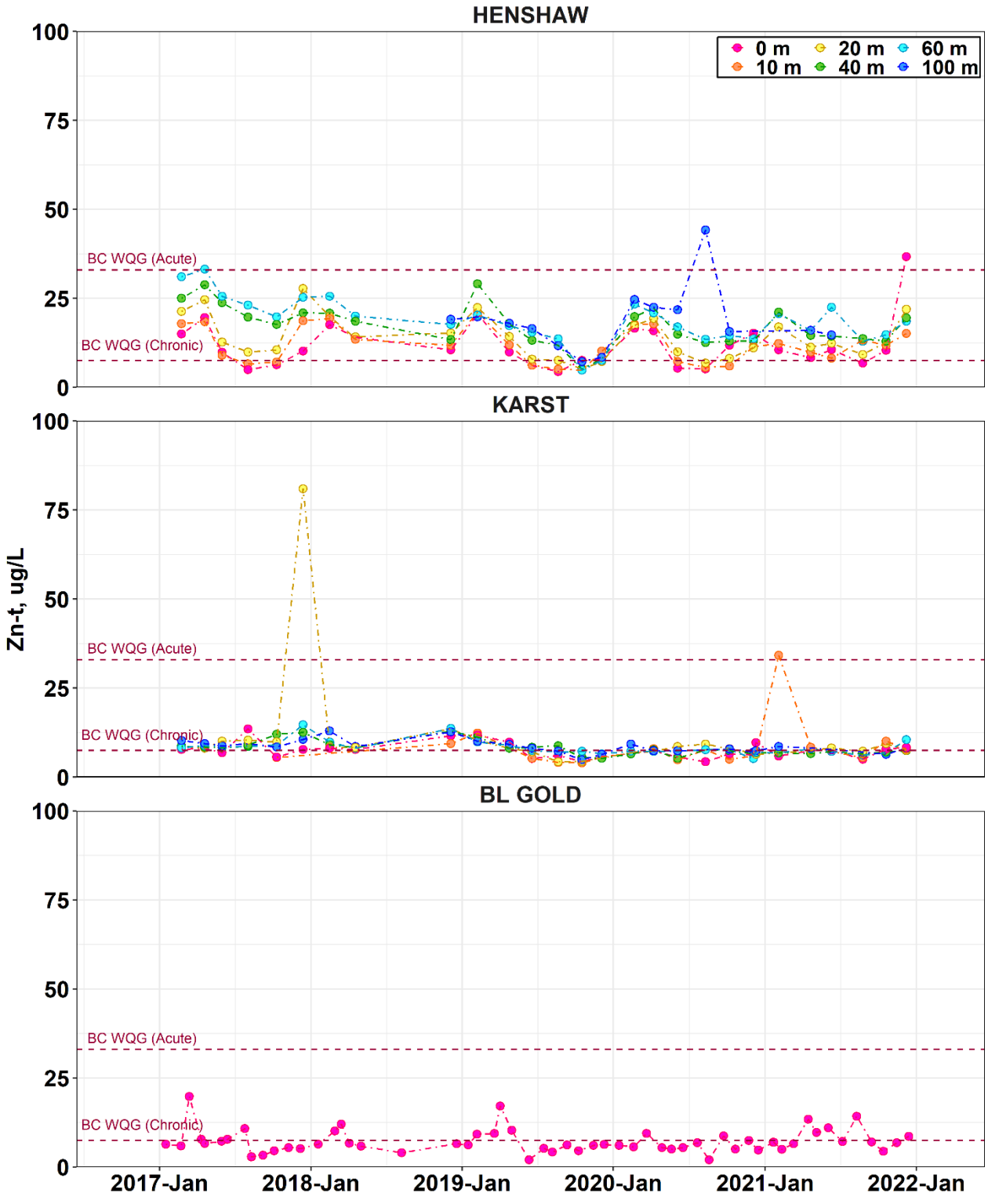


Figure 5-31. Zn-t Concentrations in Buttle Lake, April 2017 to December 2021

6 SUMMARY

6.1 TAILINGS DISCHARGE TO LYNX TDF

A total of 320,000 tonnes of tailings solids were deposited in the Lynx TDF in 2021. Approximately 70% of this total was delivered to the facility as a paste and the remainder was deposited as a raw slurry. The estimated average discharge rate of tailings slurry (solids + water) over the year was 1,549 m^3/day. This is about 36% of the authorized average annual rate of tailings discharge (4250 m^3/day) and 19% of the maximum authorized rate (8000 m^3/day) of tailings discharge to the Lynx TDF.

Further information on the proportions of paste tailings and whole tailings discharged to the Lynx TDF and the timing of these discharges is needed to determine discharge rates with more accuracy. It is, however, unlikely that the tailings discharge rate to the Lynx TDF exceeded the maximum permitted discharge rate in 2021.

6.2 AUTHORIZED EFFLUENT DISCHARGE

In total, 13,361,800 m^3 of treated effluent was discharged to Myra Creek in 2021. Monthly average treated discharge rates ranged from 644,900 m^3 in August 2021 to 1,891,400 m^3 in January 2021. Daily effluent discharge rates in 2021 ranged from 12,058 m^3/day (September 24th) to 118,413 m^3/day (January 2nd). The average daily discharge rate in 2021 was 36,800 m^3/day, or 11,200 m^3/d lower than the 48,000 m^3/day that is authorized by Permit PE-6858. Hence the daily average discharge rates in 2021 were compliant with Permit PE-6858.

Table 6-1 summarize discharge limit exceedances for 2021. The discharge limits for TSS and Zn-t were exceeded on January 1st, 2021. The TSS discharge limit was also exceeded on January 5th and January 10th, 2021, when flows to the water treatment system were high due to heavy rainfall. The Cd-d discharge limit for treated effluent was also exceeded on September 30th, and the Zn-d discharge limit for flows of Price Mine Effluent was exceeded on March 10th, 2021. Each of these six discharge limit exceedances represent permit non-compliance events.

Table 6-1

Summary of Discharge Limit Exceedances for Treated Effluent, 2021

Station (Monitoring Plan)	Date	Parameter	Result	RDL	Unit	PE-6858 Limit
Treated Effluent Discharge from Myra Ponds						
MP-EFF	1-Jan-2021	Zn-t	1.3	0.004	mg/L	1
MP-EFF	1-Jan-2021	TSS	35	2	mg/L	25
MP-EFF	5-Jan-2021	TSS	45	2	mg/L	25
MP-EFF	10-Jan-2021	TSS	31	2	mg/L	25
MP-EFF-DC	30-Sep-2021	Cd-d	0.00557	0.000002	mg/L	0.005
Price Mine Effluent						
PR-13L	10-Mar-2021	Zn-d	0.60	0.004	mg/L	0.5

6.3 OLD TDF EFFLUENT MONITORING

Table 6-2 summarizes discharge limit exceedances for grab samples for Tailings Impoundment Effluent Decant at station TDF-EFF. These samples represent flows from the DDSD and DDUD. In 2021, grab samples were collected in October (n=3), November (n=3), and December (n=1) when flows at station TD-EFF were observed due to high rainfall. Quarterly samples for water quality were not collected at TDF-EFF, as flows in the DDSD are only observed periodically during high rainfall periods.

Elevated Zn-d and Zn-t concentrations in flows to the DDSD are related to a well-established flushing pattern, which reflects the re-mobilization of stored contaminants in local fill materials during wet periods when local water levels increase. Concentrations of Zn and other metals subsequently decrease after this initial flushing period. TSS data are not available for 2021 so exceedances for this parameter cannot be checked.

There was no water (effluent) discharged from the DDSD at station TDF-EFF in 2021 (or previous years), as the infrastructure to release water to Myra Creek has not been installed. All flows in the DDSD are therefore directed to the Superpond and discharged through the normal water treatment system. The discharge limits for TD-EFF do not apply to water reporting to treatment so the discharge limit exceedances for Zn-d and Zn-t in 2021 do not represent permit non-compliance events.

Table 6-2

Summary of Discharge Limit Exceedances for TDF Effluent, 2021

Station (Monitoring Plan)	Date	Parameter	Result	RDL	Unit	PE-6858 Limit
TDF-EFF	22-Oct-2021	Zn-d	0.39	0.004	mg/L	0.25
TDF-EFF	25-Oct-2021	Zn-d	0.36	0.004	mg/L	0.25
TDF-EFF	5-Nov-2021	Zn-d	0.61	0.004	mg/L	0.25
TDF-EFF	5-Nov-2021	Zn-t	0.95	0.004	mg/L	0.5
TDF-EFF	15-Nov-2021	Zn-d	0.58	0.004	mg/L	0.25
TDF-EFF	15-Nov-2021	Zn-t	0.73	0.004	mg/L	0.5

6.4 UNAUTHORIZED DISCHARGE EVENTS

There were two unauthorized discharge events in 2021. One occurred on September 17th, when turbid runoff from the public road reported to Myra Creek during a high intensity rainfall event. In total, an estimated 54,000 L of runoff reported to Myra Creek during the event. TSS and some metal concentrations in the flows to the creek exceeded MDMER limits and the samples showed no acute toxicity. The other unauthorized discharge event occurred when the 25-Sump overtopped on October 25th during a high rainfall event, in part due to debris that obstructed the float switch that turns the back-up pumps on, and additional flows to the 25-Sump from the project office area during this high rainfall event. Discharge ceased when a back-up pump was started. TSS and some metal concentrations in the flows to the creek on October 25th exceeded MDMER limits. A grab sample showed acute toxicity for trout but samples collected downstream showed 100% survival. Concentrations of Cu and Zn in Myra Creek exceeded BC WQGs during both of the unauthorized discharge events in 2021. However, these exceedances cannot be attributed to the spill event, as both of these metals typically exceed BC WQGs in Myra Creek.

6.5 SEWAGE EFFLUENT QUALITY

Table 6-3 summarizes discharge limit exceedances for sewage effluent in 2021. The 5-day BOD limit for sewage effluent discharge limit was exceeded in each sample collected in 2021. The TSS discharge limit was exceeded in sewage effluent from MYRA STP in April 2021. The exceedances for HW STP are related to a broken agitator that will be repaired in 2022.

The high TSS for MYRA STP in April are likely due to a bear breaking into the septic system near camp to consume the solids in the tank, which explains the elevated TSS and most likely contributed to the poor

detection limit for BOD on the day the sample was collected in April. The five permit limit exceedances represent permit non-compliance events.

Table 6-3

Summary of Discharge Limit Exceedances for Sewage Effluent, 2021

Station (Monitoring Plan)	Date	Parameter	Result	RDL	Unit	PE-6858 Limit
HW STP	7-Apr-2021	BOD5	57	19.1	mg/L	45
HW STP	24-Nov-2021	BOD5	88	19.1	mg/L	45
Myra STP	7-Apr-2021	TSS	396	2	mg/L	60
Myra STP	7-Apr-2021	BOD5	77	19.1	mg/L	45
Myra STP	24-Nov-2021	BOD5	48	19.1	mg/L	45

6.6 AQUATIC RECEIVING ENVIRONMENT

One daily composite sample from Myra Creek (at MC-TP4) was missed in 2021 due to an auto-sampler malfunction. Chronic BC WQGs for Al-d, Cd-d, Cu-d, and Zn-t are typically exceeded in Myra Creek downstream of the site at stations MC-TP4 and MC-M2. Acute BC WQGs for these metals are also often exceeded, mainly due to the discharge of ARD/ML-impacted groundwater to Myra Creek that is not captured/intercepted by the Phase I Lynx SIS in the Lynx Reach or by the Old TDF under-drains in the Lower Old TDF Reach.

In 2021, water quality in Myra Creek deteriorated due to a change in the operation of the Old TDF under-drains in February 2021, which allowed greater bypass to the creek. The highest metal concentrations were observed in late summer (August/September), when streamflows in Myra Creek were lowest. Further details are provided in the Reclamation Report, where an assessment of the Old TDF under-drain performance and the performance of the Phase I Lynx SIS in 2021 is provided with additional information on groundwater quality.

Chronic (long-term) BC WQGs are consistently exceeded in Buttle Lake at the Henshaw Creek and Karst Creek stations. Few exceedances are observed in Buttle Lake at the Gold River station, as this station is the furthest from the location where Myra Creek discharges to the lake. Water quality results for Buttle Lake in 2021 were consistent with previous monitoring data. Biological sampling for Buttle Lake in 2021 was compliant with PE-6858.

7 CLOSURE

Robertson GeoConsultants Inc. (RGC) is pleased to submit this report entitled '2021 Monitoring Report for Effluent Permit PE-6858, Myra Falls Mine'. We trust that the information provided in this report meets MFM's requirements at this time. Should you have any questions or if we can be of further assistance, please do not hesitate to contact the undersigned.

Respectfully Submitted,

ROBERTSON GEOCONSULTANTS INC.

EGBC Permit Number: 1001164

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Consultant in Geochemistry



2022-03-31

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Principal Environmental Geochemist

8 REFERENCES

BC MOE (2013), British Columbia Field Sampling Manual: For Continuous Monitoring and the Collection of Air, Air-Emission, Water, Wastewater, Soil, Sediment, and Biological Samples. 2013 ed. Victoria, BC

BC MOE (2016), Technical Guidance 4: Annual Reporting Under the Environmental Management Act: A Guide for Mines in British Columbia. Version 1.3, May 2016. British Columbia Ministry of Environment, Environmental Protection Division: Victoria, BC.

BC MECC (2019), British Columbia Approved Water Quality Guidelines: Aquatic Life, Wildlife & Agriculture Summary Report. British Columbia Ministry of Environment & Climate Change Strategy, Water Protection & Sustainability Branch: Victoria, BC.

BC MECC (2020), Working Water Quality Guidelines for British Columbia. British Columbia Ministry of Environment and Climate Change Strategy, Water Protection & Sustainability Branch: Victoria, BC

CCME (2021), Water Quality Guidelines for the Protection of Aquatic Life. Canadian Council of Ministers of the Environment.

MFM (2022), Operations, Maintenance, and Surveillance Manual for Myra Falls Mine, March 2022.

RISC (2018), Manual of British Columbia Hydrometric Standards. Prepared by MECCS, December 2018.

Appendix A.

Daily Precipitation and Discharge Rates of Treated Effluent, 2021

Appendix A-1. Daily Precipitation and Discharge Rates of Treated Effluent (MP-EFF), 2021

Date	Precipitation, mm	Discharge (Calc.), m^3/day	Discharge (Q. Reports), m^3/day
1-Jan-2021	82.1	63,260	-
2-Jan-2021	70.4	118,413	-
3-Jan-2021	15.9	86,117	-
4-Jan-2021	12.7	67,451	-
5-Jan-2021	88.4	85,924	-
6-Jan-2021	14.2	103,013	-
7-Jan-2021	0.5	72,271	-
8-Jan-2021	14.9	70,109	-
9-Jan-2021	4.6	60,706	-
10-Jan-2021	46.3	66,336	-
11-Jan-2021	34.6	87,124	-
12-Jan-2021	33.4	79,284	-
13-Jan-2021	15.2	68,835	-
14-Jan-2021	17.9	64,063	-
15-Jan-2021	0.7	59,679	-
16-Jan-2021	6.9	54,255	-
17-Jan-2021	1.1	55,403	-
18-Jan-2021	0	49,543	-
19-Jan-2021	1.4	50,861	-
20-Jan-2021	0.5	49,678	-
21-Jan-2021	0.2	47,592	-
22-Jan-2021	0	38,691	-
23-Jan-2021	0	41,758	-
24-Jan-2021	2.8	50,055	-
25-Jan-2021	3.6	34,239	-
26-Jan-2021	0.7	35,283	-
27-Jan-2021	2.3	38,614	-
28-Jan-2021	5.2	40,720	-
29-Jan-2021	7	43,574	-
30-Jan-2021	20.3	40,053	-
31-Jan-2021	28.5	51,619	-
1-Feb-2021	9.1	57,341	-
2-Feb-2021	7.3	47,651	-
3-Feb-2021	4.4	46,131	-
4-Feb-2021	6.5	46,018	-
5-Feb-2021	0.2	46,811	-
6-Feb-2021	1.8	44,147	-
7-Feb-2021	0	43,475	-
8-Feb-2021	0.1	41,217	-
9-Feb-2021	0.1	39,060	-
10-Feb-2021	0	36,942	-
11-Feb-2021	0	43,379	-
12-Feb-2021	0	40,575	-
13-Feb-2021	3.6	45,857	-
14-Feb-2021	1.6	45,978	-
15-Feb-2021	6.7	50,447	-
16-Feb-2021	7.9	50,485	-
17-Feb-2021	0.5	45,322	-
18-Feb-2021	5	45,920	-
19-Feb-2021	17.8	29,094	-
20-Feb-2021	3.8	30,260	-
21-Feb-2021	32.3	36,748	-

Date	Precipitation, mm	Discharge (Calc.), m^3/day	Discharge (Q. Reports), m^3/day
22-Feb-2021	4	49,436	-
23-Feb-2021	0.8	38,869	-
24-Feb-2021	0.1	34,088	-
25-Feb-2021	25.7	43,795	-
26-Feb-2021	1.6	42,267	-
27-Feb-2021	1.3	37,798	-
28-Feb-2021	1.6	43,557	-
1-Mar-2021	12.5	46,063	-
2-Mar-2021	0.1	42,779	-
3-Mar-2021	0.1	41,429	-
4-Mar-2021	18.8	43,244	-
5-Mar-2021	62.9	65,720	-
6-Mar-2021	19.3	49,536	-
7-Mar-2021	14.4	38,835	-
8-Mar-2021	9.4	40,326	-
9-Mar-2021	1.9	26,672	-
10-Mar-2021	0.1	27,751	-
11-Mar-2021	0.1	30,356	-
12-Mar-2021	0.8	32,242	-
13-Mar-2021	6	34,156	-
14-Mar-2021	19.2	37,739	-
15-Mar-2021	0	27,396	-
16-Mar-2021	0.1	32,159	-
17-Mar-2021	0	36,743	-
18-Mar-2021	29	52,468	-
19-Mar-2021	31.4	59,994	-
20-Mar-2021	2.9	45,037	-
21-Mar-2021	11.4	45,218	-
22-Mar-2021	0.1	39,241	-
23-Mar-2021	0.3	33,065	-
24-Mar-2021	11.7	45,445	-
25-Mar-2021	0.1	38,035	-
26-Mar-2021	0.1	31,560	-
27-Mar-2021	7.8	34,280	-
28-Mar-2021	23.7	43,176	-
29-Mar-2021	0.1	33,436	-
30-Mar-2021	0	32,243	-
31-Mar-2021	0	27,572	-
1-Apr-2021	0.1	26,079	21,514
2-Apr-2021	0	34,451	34,474
3-Apr-2021	13.7	45,671	45,706
4-Apr-2021	0.1	32,413	32,400
5-Apr-2021	0	27,091	27,130
6-Apr-2021	0	30,615	30,586
7-Apr-2021	9	39,503	39,485
8-Apr-2021	0.1	26,977	26,957
9-Apr-2021	17.6	33,009	33,005
10-Apr-2021	0.3	30,102	30,067
11-Apr-2021	0.1	34,131	34,128
12-Apr-2021	0	35,666	35,683
13-Apr-2021	0	35,032	34,992
14-Apr-2021	0	30,754	30,758

Date	Precipitation, mm	Discharge (Calc.), m^3/day	Discharge (Q. Reports), m^3/day
15-Apr-2021	0	35,198	35,165
16-Apr-2021	0	24,961	24,970
17-Apr-2021	0	21,672	21,686
18-Apr-2021	0	25,918	25,920
19-Apr-2021	0	36,583	36,547
20-Apr-2021	0	32,250	32,227
21-Apr-2021	0	37,831	37,843
22-Apr-2021	0	38,131	40,781
23-Apr-2021	0.2	36,014	36,029
24-Apr-2021	3.4	30,241	30,240
25-Apr-2021	7.1	23,582	23,587
26-Apr-2021	0	24,911	25,056
27-Apr-2021	0.7	31,924	31,882
28-Apr-2021	5.9	37,464	37,498
29-Apr-2021	11	34,315	34,301
30-Apr-2021	0.4	35,641	35,683
1-May-2021	0.5	24,791	24,797
2-May-2021	0	23,376	23,414
3-May-2021	1.2	38,829	38,794
4-May-2021	0	36,783	36,806
5-May-2021	0	25,523	36,029
6-May-2021	12.4	33,836	33,869
7-May-2021	1.3	31,187	31,190
8-May-2021	1.5	29,416	29,376
9-May-2021	2.5	42,725	42,682
10-May-2021	0.1	31,298	31,277
11-May-2021	1	35,807	35,770
12-May-2021	2.2	27,227	27,216
13-May-2021	0	36,581	36,547
14-May-2021	0	29,497	29,462
15-May-2021	0	29,956	29,981
16-May-2021	0	26,705	26,698
17-May-2021	21.4	22,898	22,896
18-May-2021	3.2	19,296	19,267
19-May-2021	0	29,759	29,722
20-May-2021	0	28,329	28,339
21-May-2021	0	30,339	30,326
22-May-2021	0	39,296	39,312
23-May-2021	0	37,433	37,411
24-May-2021	6.2	29,960	29,981
25-May-2021	0	21,659	22,464
26-May-2021	12.4	29,323	29,290
27-May-2021	25.8	39,471	39,485
28-May-2021	0.2	28,394	29,030
29-May-2021	0	25,625	25,661
30-May-2021	4.1	28,992	29,030
31-May-2021	0.1	32,444	32,486
1-Jun-2021	0	28,055	28,080
2-Jun-2021	0	33,938	33,955
3-Jun-2021	0	35,944	35,942
4-Jun-2021	5.8	27,760	27,734
5-Jun-2021	1.4	24,263	24,278
6-Jun-2021	0.8	26,168	26,179

Date	Precipitation, mm	Discharge (Calc.), m^3/day	Discharge (Q. Reports), m^3/day
7-Jun-2021	9.1	26,538	26,525
8-Jun-2021	0.1	30,692	30,672
9-Jun-2021	0	29,173	29,203
10-Jun-2021	0	27,353	27,389
11-Jun-2021	4.4	24,136	24,106
12-Jun-2021	12.6	25,910	25,920
13-Jun-2021	0.6	26,580	26,611
14-Jun-2021	1.6	23,558	23,587
15-Jun-2021	2.3	33,027	33,005
16-Jun-2021	0.1	26,328	26,352
17-Jun-2021	0	26,445	26,438
18-Jun-2021	0	25,409	25,402
19-Jun-2021	0	28,737	28,771
20-Jun-2021	0	32,097	32,054
21-Jun-2021	0	32,290	32,314
22-Jun-2021	0	25,348	25,315
23-Jun-2021	0	24,285	24,278
24-Jun-2021	0	18,988	19,008
25-Jun-2021	0	25,847	25,834
26-Jun-2021	0	36,308	36,288
27-Jun-2021	0	25,192	25,229
28-Jun-2021	0	23,162	23,155
29-Jun-2021	0	28,994	29,030
30-Jun-2021	0	30,025	30,672
1-Jul-2021	0	23,565	21,946
2-Jul-2021	0	30,353	34,474
3-Jul-2021	0	30,543	26,870
4-Jul-2021	0	23,776	23,155
5-Jul-2021	0	26,535	31,190
6-Jul-2021	0	29,675	23,501
7-Jul-2021	0	24,053	29,117
8-Jul-2021	0	34,050	31,536
9-Jul-2021	0	30,516	30,240
10-Jul-2021	0	26,233	24,538
11-Jul-2021	0	22,588	22,464
12-Jul-2021	0	23,559	25,488
13-Jul-2021	0	25,011	25,488
14-Jul-2021	0	27,740	29,981
15-Jul-2021	0	31,505	30,240
16-Jul-2021	0	33,783	33,523
17-Jul-2021	0	23,051	18,490
18-Jul-2021	0	14,042	15,552
19-Jul-2021	0	30,911	35,597
20-Jul-2021	0	33,144	27,734
21-Jul-2021	0.3	22,371	25,920
22-Jul-2021	0	31,155	29,894
23-Jul-2021	0	28,168	29,894
24-Jul-2021	0	29,187	27,475
25-Jul-2021	0	29,017	27,648
26-Jul-2021	0	25,134	30,240
27-Jul-2021	0	33,313	30,499
28-Jul-2021	0	28,621	25,488
29-Jul-2021	0	22,990	25,920

Date	Precipitation, mm	Discharge (Calc.), m^3/day	Discharge (Q. Reports), m^3/day
30-Jul-2021	0	27,838	27,389
31-Jul-2021	0	27,047	27,302
1-Aug-2021	0	27,044	26,266
2-Aug-2021	0	23,930	24,106
3-Aug-2021	0	20,489	19,267
4-Aug-2021	0	24,892	26,525
5-Aug-2021	0	25,837	24,710
6-Aug-2021	2.2	19,892	19,440
7-Aug-2021	0.9	18,948	19,094
8-Aug-2021	0	21,223	24,710
9-Aug-2021	0	20,961	14,861
10-Aug-2021	0	14,709	15,984
11-Aug-2021	0	22,863	24,797
12-Aug-2021	0	17,115	14,256
13-Aug-2021	0	13,465	13,133
14-Aug-2021	0	24,364	30,326
15-Aug-2021	0.5	28,799	28,339
16-Aug-2021	0	28,047	27,994
17-Aug-2021	0	22,680	18,490
18-Aug-2021	0	24,402	28,426
19-Aug-2021	0	24,994	21,082
20-Aug-2021	0	13,025	11,146
21-Aug-2021	0	16,426	18,403
22-Aug-2021	0	24,238	25,056
23-Aug-2021	0	22,246	22,464
24-Aug-2021	0	17,656	13,997
25-Aug-2021	0	13,937	17,194
26-Aug-2021	0	12,708	11,923
27-Aug-2021	0	18,763	17,885
28-Aug-2021	0	19,320	19,872
29-Aug-2021	0	16,555	15,984
30-Aug-2021	0	16,043	20,390
31-Aug-2021	0	29,667	28,944
1-Sep-2021	0	25,544	24,106
2-Sep-2021	0	18,369	18,662
3-Sep-2021	0.1	19,940	19,267
4-Sep-2021	12.4	21,978	22,550
5-Sep-2021	0.1	20,705	19,699
6-Sep-2021	0	15,433	14,947
7-Sep-2021	0	12,995	11,405
8-Sep-2021	3.9	12,276	14,602
9-Sep-2021	10.9	19,441	20,563
10-Sep-2021	0.1	24,546	27,043
11-Sep-2021	0.9	27,410	24,797
12-Sep-2021	0	21,599	21,168
13-Sep-2021	0	18,679	15,984
14-Sep-2021	12.5	12,232	12,269
15-Sep-2021	0.1	16,446	18,662
16-Sep-2021	2.3	17,901	20,218
17-Sep-2021	81.6	43,761	47,174
18-Sep-2021	18.8	34,926	31,968
19-Sep-2021	0.1	27,320	26,525

Date	Precipitation, mm	Discharge (Calc.), m^3/day	Discharge (Q. Reports), m^3/day
20-Sep-2021	0.6	24,587	24,019
21-Sep-2021	0	23,854	24,797
22-Sep-2021	2.7	21,585	20,218
23-Sep-2021	0	21,689	18,835
24-Sep-2021	0	12,058	14,083
25-Sep-2021	8.6	27,804	33,005
26-Sep-2021	19.7	34,789	36,461
27-Sep-2021	56.6	46,209	45,101
28-Sep-2021	3.3	27,463	25,229
29-Sep-2021	70.5	39,397	54,346
30-Sep-2021	17.2	59,135	35,078
1-Oct-2021	0.1	36,256	35,035
2-Oct-2021	23.3	38,897	38,894
3-Oct-2021	0.1	36,651	36,652
4-Oct-2021	7.9	35,657	35,656
5-Oct-2021	11.7	34,459	34,935
6-Oct-2021	0.1	22,409	24,791
7-Oct-2021	0.2	27,511	27,511
8-Oct-2021	3.7	22,195	22,195
9-Oct-2021	22.3	28,546	28,546
10-Oct-2021	0.6	29,235	29,234
11-Oct-2021	0.1	25,448	25,447
12-Oct-2021	22.1	32,776	32,776
13-Oct-2021	1.2	28,179	28,179
14-Oct-2021	7.5	26,192	26,191
15-Oct-2021	42.3	44,010	44,010
16-Oct-2021	48.4	56,696	56,697
17-Oct-2021	14.3	51,319	51,320
18-Oct-2021	0	39,422	39,422
19-Oct-2021	0.2	46,845	46,845
20-Oct-2021	38	44,692	44,692
21-Oct-2021	65.3	64,532	64,532
22-Oct-2021	11.9	65,872	65,871
23-Oct-2021	20.4	46,309	46,309
24-Oct-2021	55.5	56,387	56,386
25-Oct-2021	88	101,950	101,950
26-Oct-2021	28.8	88,798	88,798
27-Oct-2021	14.1	67,202	67,202
28-Oct-2021	3.9	52,273	52,273
29-Oct-2021	0	47,441	47,441
30-Oct-2021	0.1	50,650	50,657
31-Oct-2021	0.3	48,402	48,402
1-Nov-2021	10.6	46,253	45,660
2-Nov-2021	37.3	52,051	52,015
3-Nov-2021	53.2	85,189	85,251
4-Nov-2021	50.6	86,926	86,664
5-Nov-2021	39.6	66,377	66,496
6-Nov-2021	6	60,081	60,058
7-Nov-2021	16.3	58,966	58,908
8-Nov-2021	27.9	53,608	53,700
9-Nov-2021	50.3	67,670	67,669
10-Nov-2021	4.3	50,859	50,859
11-Nov-2021	19.8	49,330	49,329
12-Nov-2021	3.1	56,786	56,786

Date	Precipitation, mm	Discharge (Calc.), m^3/day	Discharge (Q. Reports), m^3/day
13-Nov-2021	31.8	40,959	40,959
14-Nov-2021	31.1	76,035	76,035
15-Nov-2021	16.4	64,622	64,622
16-Nov-2021	0.2	48,142	48,142
17-Nov-2021	0.1	48,086	48,086
18-Nov-2021	5.6	36,622	36,139
19-Nov-2021	0	36,036	35,431
20-Nov-2021	4.1	33,397	33,396
21-Nov-2021	2.5	35,409	35,409
22-Nov-2021	13.8	33,629	33,629
23-Nov-2021	0.2	33,184	33,258
24-Nov-2021	20.3	35,983	36,319
25-Nov-2021	46.3	70,923	70,923
26-Nov-2021	0.6	46,548	46,548
27-Nov-2021	63.4	68,775	68,775
28-Nov-2021	23.5	74,856	74,856
29-Nov-2021	8.7	56,462	57,177
30-Nov-2021	53.4	72,317	72,318
1-Dec-2021	29.5	89,957	89,957
2-Dec-2021	0.2	56,860	56,867
3-Dec-2021	0	42,328	42,328
4-Dec-2021	0.3	39,030	39,030
5-Dec-2021	0	39,536	39,536
6-Dec-2021	0	38,055	38,055
7-Dec-2021	9.4	35,205	35,205
8-Dec-2021	5.4	34,387	34,449
9-Dec-2021	0.1	30,500	30,546
10-Dec-2021	5.7	28,888	28,909
11-Dec-2021	41.9	49,173	49,174
12-Dec-2021	0	36,390	36,390
13-Dec-2021	0.1	37,629	37,629
14-Dec-2021	0.2	44,698	44,697
15-Dec-2021	0.1	35,567	35,567
16-Dec-2021	0	33,462	33,462
17-Dec-2021	0	29,505	29,505
18-Dec-2021	1.1	28,879	28,879
19-Dec-2021	0.1	24,795	24,795
20-Dec-2021	0	16,294	16,294
21-Dec-2021	0	15,704	15,704
22-Dec-2021	3.7	37,031	26,981
23-Dec-2021	1	40,787	42,657
24-Dec-2021	0.3	34,469	34,469
25-Dec-2021	0	22,982	22,982
26-Dec-2021	0	23,150	23,150
27-Dec-2021	0	23,141	23,141
28-Dec-2021	0	23,307	23,307
29-Dec-2021	0	38,980	38,980
30-Dec-2021	0	36,997	37,082
31-Dec-2021	0	37,614	37,638

Appendix B.

2021 Field Results

Appendix B-1. Daily Field pH at MP-EFF-DC and MC-TP4-DC, 2021

Date	MP-EFF-DC, Field pH	MC-TP4-DC, Field pH
1-Jan-2021	8.58	7.11
2-Jan-2021	8.48	7.14
3-Jan-2021	8.36	6.97
4-Jan-2021	8.40	6.82
5-Jan-2021	8.49	6.88
6-Jan-2021	8.44	6.91
7-Jan-2021	8.48	6.84
8-Jan-2021	8.49	7.01
9-Jan-2021	8.49	7.32
10-Jan-2021	8.50	7.11
11-Jan-2021	8.49	7.06
12-Jan-2021	8.50	6.92
13-Jan-2021	8.47	6.84
14-Jan-2021	8.49	6.83
15-Jan-2021	8.47	6.85
16-Jan-2021	8.49	6.91
17-Jan-2021	8.48	6.81
18-Jan-2021	8.50	6.91
19-Jan-2021	8.49	6.91
20-Jan-2021	8.48	6.87
21-Jan-2021	8.47	6.99
22-Jan-2021	8.47	7.01
23-Jan-2021	8.49	7.05
24-Jan-2021	8.47	7.14
25-Jan-2021	8.49	7.32
26-Jan-2021	8.53	7.33
27-Jan-2021	8.59	7.41
28-Jan-2021	8.46	7.29
29-Jan-2021	8.49	7.18
30-Jan-2021	8.53	7.22
31-Jan-2021	8.54	7.13
1-Feb-2021	8.52	7.28
2-Feb-2021	8.48	7.31
3-Feb-2021	8.47	7.29
4-Feb-2021	8.48	7.04
5-Feb-2021	8.47	8.20
6-Feb-2021	8.49	8.29
7-Feb-2021	8.55	8.31
8-Feb-2021	8.54	8.33
9-Feb-2021	8.47	8.35
10-Feb-2021	8.47	8.38
11-Feb-2021	8.46	8.41
12-Feb-2021	8.44	8.44
13-Feb-2021	8.45	8.39
14-Feb-2021	8.46	8.36
15-Feb-2021	8.49	8.39
16-Feb-2021	8.46	8.39
17-Feb-2021	8.42	8.43
18-Feb-2021	8.42	8.05
19-Feb-2021	8.38	8.04
20-Feb-2021	8.44	8.01

Date	MP-EFF-DC, Field pH	MC-TP4-DC, Field pH
21-Feb-2021	8.58	8.06
22-Feb-2021	8.36	8.11
23-Feb-2021	8.41	8.12
24-Feb-2021	8.46	8.11
25-Feb-2021	8.46	8.19
26-Feb-2021	8.45	8.16
27-Feb-2021	8.48	8.11
28-Feb-2021	8.45	8.12
1-Mar-2021	8.01	8.10
2-Mar-2021	8.01	8.16
3-Mar-2021	7.97	8.18
4-Mar-2021	7.82	8.20
5-Mar-2021	7.89	8.19
6-Mar-2021	7.84	8.16
7-Mar-2021	7.87	8.26
8-Mar-2021	7.81	8.19
9-Mar-2021	7.82	8.22
10-Mar-2021	7.80	8.17
11-Mar-2021	7.52	7.81
12-Mar-2021	7.55	7.81
13-Mar-2021	7.46	7.91
14-Mar-2021	7.48	7.83
15-Mar-2021	7.51	7.80
16-Mar-2021	7.55	7.75
17-Mar-2021	7.57	7.70
18-Mar-2021	6.77	6.70
19-Mar-2021	6.81	6.76
20-Mar-2021	6.86	6.79
21-Mar-2021	6.94	6.80
22-Mar-2021	7.01	6.80
23-Mar-2021	7.11	6.82
24-Mar-2021	7.10	6.83
25-Mar-2021	7.19	7.64
26-Mar-2021	7.20	7.58
27-Mar-2021	7.30	7.52
28-Mar-2021	7.36	7.47
29-Mar-2021	7.43	7.36
30-Mar-2021	7.48	7.31
31-Mar-2021	6.85	7.50
1-Apr-2021	6.92	7.42
2-Apr-2021	7.02	7.36
3-Apr-2021	7.10	7.32
4-Apr-2021	7.17	7.29
5-Apr-2021	7.29	7.23
6-Apr-2021	7.16	7.72
7-Apr-2021	7.10	7.53
8-Apr-2021	7.12	7.38
9-Apr-2021	7.19	7.30
10-Apr-2021	7.28	7.28
11-Apr-2021	7.31	7.22
12-Apr-2021	7.41	7.18

Date	MP-EFF-DC, Field pH	MC-TP4-DC, Field pH
13-Apr-2021	7.51	7.15
14-Apr-2021	7.57	7.08
15-Apr-2021	6.80	7.47
16-Apr-2021	7.03	7.39
17-Apr-2021	7.13	7.35
18-Apr-2021	7.18	7.29
19-Apr-2021	7.22	7.25
20-Apr-2021	7.23	7.14
21-Apr-2021	7.43	7.10
22-Apr-2021	7.38	7.54
23-Apr-2021	7.39	7.38
24-Apr-2021	7.34	7.86
25-Apr-2021	7.36	7.80
26-Apr-2021	7.43	7.78
27-Apr-2021	7.45	7.76
28-Apr-2021	7.51	7.76
29-Apr-2021	7.51	7.69
30-Apr-2021	7.56	7.57
1-May-2021	7.59	7.53
2-May-2021	7.64	7.48
3-May-2021	7.70	7.31
4-May-2021	6.84	8.03
5-May-2021	7.23	7.99
6-May-2021	7.82	7.86
7-May-2021	7.38	7.91
8-May-2021	7.47	7.76
9-May-2021	7.49	7.65
10-May-2021	7.53	7.61
11-May-2021	7.68	7.33
12-May-2021	6.88	7.72
13-May-2021	7.28	7.70
14-May-2021	7.29	7.68
15-May-2021	7.31	7.59
16-May-2021	7.36	7.58
17-May-2021	7.43	7.37
18-May-2021	7.58	7.28
19-May-2021	7.77	7.69
20-May-2021	7.64	7.65
21-May-2021	7.60	7.63
22-May-2021	7.53	7.61
23-May-2021	7.51	7.48
24-May-2021	7.50	7.52
25-May-2021	7.59	7.44
26-May-2021	7.70	7.38
27-May-2021	7.17	7.39
28-May-2021	7.03	7.21
29-May-2021	6.98	6.99
30-May-2021	7.07	6.94
31-May-2021	7.43	6.82
1-Jun-2021	7.13	7.14
2-Jun-2021	7.13	7.03
3-Jun-2021	7.06	6.96

Date	MP-EFF-DC, Field pH	MC-TP4-DC, Field pH
4-Jun-2021	6.99	6.94
5-Jun-2021	6.93	6.93
6-Jun-2021	6.94	6.90
7-Jun-2021	7.03	6.84
8-Jun-2021	7.05	6.85
9-Jun-2021	7.63	7.42
10-Jun-2021	7.50	7.40
11-Jun-2021	7.42	7.33
12-Jun-2021	7.31	7.29
13-Jun-2021	7.31	7.23
14-Jun-2021	7.35	7.18
15-Jun-2021	7.00	6.71
16-Jun-2021	7.09	7.21
17-Jun-2021	7.18	7.05
18-Jun-2021	7.30	6.94
19-Jun-2021	7.37	7.05
20-Jun-2021	6.99	7.22
21-Jun-2021	6.76	7.04
22-Jun-2021	6.71	6.95
23-Jun-2021	6.67	6.93
24-Jun-2021	6.81	7.05
25-Jun-2021	6.63	7.13
26-Jun-2021	6.53	7.01
27-Jun-2021	6.50	7.03
28-Jun-2021	6.54	6.97
29-Jun-2021	6.60	6.90
30-Jun-2021	6.70	7.22
1-Jul-2021	6.63	7.21
2-Jul-2021	6.70	7.19
3-Jul-2021	6.58	7.11
4-Jul-2021	6.62	6.96
5-Jul-2021	6.72	6.92
6-Jul-2021	6.88	7.06
7-Jul-2021	7.00	7.29
8-Jul-2021	6.93	7.28
9-Jul-2021	6.84	7.33
10-Jul-2021	6.80	7.30
11-Jul-2021	6.69	7.27
12-Jul-2021	6.77	7.22
13-Jul-2021	6.80	7.04
14-Jul-2021	6.93	6.81
15-Jul-2021	6.82	6.86
16-Jul-2021	6.96	6.58
17-Jul-2021	7.08	7.01
18-Jul-2021	6.99	7.19
19-Jul-2021	7.12	6.86
20-Jul-2021	7.60	7.09

Date	MP-EFF-DC, Field pH	MC-TP4-DC, Field pH
21-Jul-2021	6.75	7.34
22-Jul-2021	6.66	7.23
23-Jul-2021	6.79	7.19
24-Jul-2021	6.90	7.22
25-Jul-2021	7.00	7.06
26-Jul-2021	7.16	6.96
27-Jul-2021	7.03	7.20
28-Jul-2021	6.96	7.23
29-Jul-2021	6.92	7.39
30-Jul-2021	7.09	7.35
31-Jul-2021	N.S.S	7.25
1-Aug-2021	N.S.S	7.22
2-Aug-2021	7.06	7.19
3-Aug-2021	7.07	7.18
4-Aug-2021	6.66	7.22
5-Aug-2021	6.57	7.25
6-Aug-2021	6.65	7.28
7-Aug-2021	6.83	7.22
8-Aug-2021	6.93	7.20
9-Aug-2021	6.97	7.13
10-Aug-2021	N.S.S.	7.02
11-Aug-2021	6.77	6.99
12-Aug-2021	6.59	7.02
13-Aug-2021	6.62	7.07
14-Aug-2021	6.71	6.98
15-Aug-2021	6.80	6.95
16-Aug-2021	6.88	6.87
17-Aug-2021	6.56	7.07
18-Aug-2021	6.57	7.09
19-Aug-2021	6.59	7.10
20-Aug-2021	6.57	7.03
21-Aug-2021	6.62	6.94
22-Aug-2021	6.72	6.86
23-Aug-2021	6.96	6.75
24-Aug-2021	7.41	7.53
25-Aug-2021	7.43	7.64
26-Aug-2021	7.60	7.69
27-Aug-2021	7.31	7.71
28-Aug-2021	7.32	7.68
29-Aug-2021	7.03	7.61
30-Aug-2021	7.24	7.58
31-Aug-2021	7.14	7.47
1-Sep-2021	6.96	7.49
2-Sep-2021	6.70	7.44

Date	MP-EFF-DC, Field pH	MC-TP4-DC, Field pH
3-Sep-2021	6.71	7.39
4-Sep-2021	6.65	7.41
5-Sep-2021	6.68	7.37
6-Sep-2021	6.84	7.35
7-Sep-2021	7.04	7.17
8-Sep-2021	6.98	7.25
9-Sep-2021	6.74	7.19
10-Sep-2021	7.00	7.00
11-Sep-2021	6.87	7.01
12-Sep-2021	6.68	6.96
13-Sep-2021	7.06	6.91
14-Sep-2021	6.85	7.34
15-Sep-2021	6.94	7.39
16-Sep-2021	7.00	7.36
17-Sep-2021	7.08	7.46
18-Sep-2021	7.15	7.36
19-Sep-2021	6.83	7.30
20-Sep-2021	6.71	7.31
21-Sep-2021	7.67	7.53
22-Sep-2021	7.41	7.57
23-Sep-2021	7.36	7.52
24-Sep-2021	7.04	7.48
25-Sep-2021	7.04	7.47
26-Sep-2021	7.10	7.43
27-Sep-2021	7.12	7.34
28-Sep-2021	7.08	7.33
29-Sep-2021	6.83	7.25
30-Sep-2021	6.92	7.16
1-Oct-2021	-	-
2-Oct-2021	7.16	7.12
3-Oct-2021	7.21	7.04
4-Oct-2021	7.54	6.95
5-Oct-2021	7.47	7.03
6-Oct-2021	7.32	7.38
7-Oct-2021	7.39	7.35
8-Oct-2021	7.43	7.35
9-Oct-2021	7.50	7.29
10-Oct-2021	7.61	7.27
11-Oct-2021	7.75	7.19
12-Oct-2021	6.74	6.80
13-Oct-2021	6.64	6.87
14-Oct-2021	6.62	6.86
15-Oct-2021	6.58	6.82
16-Oct-2021	6.78	6.74

Date	MP-EFF-DC, Field pH	MC-TP4-DC, Field pH
17-Oct-2021	7.00	6.65
18-Oct-2021	7.10	6.60
19-Oct-2021	7.23	7.31
20-Oct-2021	7.40	7.52
21-Oct-2021	7.30	7.47
22-Oct-2021	7.35	7.35
23-Oct-2021	7.60	7.27
24-Oct-2021	7.73	7.18
25-Oct-2021	7.72	6.99
26-Oct-2021	8.04	6.90
27-Oct-2021	7.54	6.90
28-Oct-2021	7.58	6.98
29-Oct-2021	7.58	7.04
30-Oct-2021	7.73	7.09
31-Oct-2021	7.92	7.05
1-Nov-2021	8.15	7.02
2-Nov-2021	6.54	6.15
3-Nov-2021	6.82	6.30
4-Nov-2021	7.02	6.48
5-Nov-2021	7.25	6.56
6-Nov-2021	7.46	6.68
7-Nov-2021	7.76	6.79
8-Nov-2021	7.94	6.79
9-Nov-2021	7.22	7.38
10-Nov-2021	N.S.S.	7.42
11-Nov-2021	7.37	7.38
12-Nov-2021	7.47	7.36
13-Nov-2021	7.46	7.33
14-Nov-2021	7.72	7.32
15-Nov-2021	8.02	7.24
16-Nov-2021	7.11	6.54
17-Nov-2021	7.09	6.67
18-Nov-2021	7.12	6.70
19-Nov-2021	7.13	6.79
20-Nov-2021	7.17	6.87
21-Nov-2021	7.19	6.85
22-Nov-2021	7.20	6.91
23-Nov-2021	7.10	7.33
24-Nov-2021	7.27	7.33
25-Nov-2021	7.40	7.35
26-Nov-2021	7.70	7.36
27-Nov-2021	7.76	7.27
28-Nov-2021	7.88	7.20
29-Nov-2021	8.19	7.15

Date	MP-EFF-DC, Field pH	MC-TP4-DC, Field pH
30-Nov-2021	6.95	7.00
1-Dec-2021	7.14	6.54
2-Dec-2021	7.36	6.77
3-Dec-2021	7.48	6.86
4-Dec-2021	7.60	6.93
5-Dec-2021	7.71	6.99
6-Dec-2021	7.93	7.00
7-Dec-2021	6.94	6.36
8-Dec-2021	7.24	6.62
9-Dec-2021	7.31	6.73
10-Dec-2021	7.42	6.85
11-Dec-2021	7.44	6.91
12-Dec-2021	7.65	6.97
13-Dec-2021	7.77	8.24
14-Dec-2021	7.77	8.12
15-Dec-2021	7.81	8.05
16-Dec-2021	7.91	7.91
17-Dec-2021	8.04	7.84
18-Dec-2021	8.10	7.75
19-Dec-2021	8.23	7.67
20-Dec-2021	8.04	-
21-Dec-2021	7.97	8.10
22-Dec-2021	7.92	7.97
23-Dec-2021	7.90	7.88
24-Dec-2021	7.93	7.76
25-Dec-2021	7.97	7.68
26-Dec-2021	8.08	7.58
27-Dec-2021	8.14	7.66
28-Dec-2021	6.74	7.93
29-Dec-2021	7.10	7.84
30-Dec-2021	7.33	7.77
31-Dec-2021	7.57	7.69

Appendix B-2. Monthly and Quarterly Field Data, 2021

Station	Date	Temperature, ˚C	Field pH	Conductivity, uS/cm
DISSIPATER	10-Feb-2021	6	7.02	527
DISSIPATER	14-Apr-2021	9.6	5.57	573
DISSIPATER	7-Jul-2021	15.7	6.89	635
DISSIPATER	15-Nov-2021	7.5	5.44	650
MILL DITCH	10-Feb-2021	5.6	7.54	649
MILL DITCH	14-Apr-2021	10.3	7.18	555
MILL DITCH	7-Jul-2021	21.5	7.92	770
MILL DITCH	15-Nov-2021	8	6.72	496.4
MP-EFF	20-Jan-2021	6.9	8.39	678
MP-EFF	10-Feb-2021	4.4	7.97	457
MP-EFF	10-Mar-2021	6.2	8.3	603
MP-EFF	14-Apr-2021	11.6	7.63	644
MP-EFF	5-May-2021	11.7	8.43	573
MP-EFF	2-Jun-2021	16.1	8.85	744
MP-EFF	7-Jul-2021	21	8.61	722
MP-EFF	10-Aug-2021	17.8	8.51	680
MP-EFF	15-Sep-2021	15.7	8.58	664
MP-EFF	13-Oct-2021	8.9	8.43	555
MP-EFF	15-Nov-2021	7.3	7.72	638
MP-EFF	14-Dec-2021	6	6.57	481.3
PR-13L	21-Jan-2021	6.1	7.98	604
PR-13L	10-Feb-2021	3.5	7.88	320
PR-13L	10-Mar-2021	7.8	6.74	219
PR-13L	14-Apr-2021	8.1	8.14	229
PR-13L	5-May-2021	11.7	7.76	236.7
PR-13L	2-Jun-2021	16.7	8.19	242
PR-13L	7-Jul-2021	19.8	7.81	254
PR-13L	10-Aug-2021	17.7	8.8	210
PR-13L	15-Sep-2021	16.3	7.53	201
PR-13L	13-Oct-2021	7.6	8.32	155
PR-13L	15-Nov-2021	5.8	7.22	56.4
PR-13L	14-Dec-2021	1.5	7.35	124.7
MC-M1	10-Feb-2021	1.8	6.42	36.9
MC-M1	14-Apr-2021	3.4	7.6	326
MC-M1	7-Jul-2021	14.2	7.87	50
MC-M1	13-Oct-2021	5.6	7.8	33.1
MC-M1	15-Nov-2021	4.7	5.66	37.9
MC-M2	21-Jan-2021	4.4	7.01	152
MC-M2	10-Feb-2021	2.9	7.96	137.1
MC-M2	10-Mar-2021	5.2	6.85	146
MC-M2	14-Apr-2021	9.4	8.04	84.5
MC-M2	5-May-2021	4.3	8.29	51.8
MC-M2	2-Jun-2021	7.5	8.2	35.9
MC-M2	7-Jul-2021	15.1	7.37	94.0
MC-M2	10-Aug-2021	12.2	7.4	125.2
MC-M2	15-Sep-2021	12.7	7.71	152
MC-M2	13-Oct-2021	6.3	7.6	78.7
MC-M2	15-Nov-2021	4.6	7.27	59.3
MC-M2	14-Dec-2021	3.2	7.13	111.6

Appendix B-2 (continue)

Station	Date	Temperature, ˚C	Field pH	Conductivity, uS/cm
MC + 600	7-Jul-2021	14.1	7.73	102
MC-TP4	21-Jan-2021	4.1	7.49	176
MC-TP4	10-Feb-2021	3.3	7.35	246
MC-TP4	10-Mar-2021	5.6	6.89	191
MC-TP4	14-Apr-2021	7	7.5	122
MC-TP4	5-May-2021	4.2	7.7	53.2
MC-TP4	2-Jun-2021	7.6	8.01	33.9
MC-TP4	7-Jul-2021	14.8	7.41	91
MC-TP4	10-Aug-2021	13.6	7.78	155.3
MC-TP4	15-Sep-2021	13.3	7.42	164
MC-TP4	13-Oct-2021	6.4	7.44	82.3
MC-TP4	15-Nov-2021	4.6	7.43	58.2
MC-TP4	14-Dec-2021	5.3	7.26	124.2
MC-TP4-D	2-Jun-2021	7.6	8.01	33.9
BL-GOLD	21-Jan-2021	5.4	7.23	47
BL-GOLD	10-Feb-2021	4.9	8	45.9
BL-GOLD	10-Mar-2021	6.6	7.77	60
BL-GOLD	14-Apr-2021	10.3	7.51	76
BL-GOLD	5-May-2021	8.5	7.18	49.7
BL-GOLD	2-Jun-2021	13.8	7.86	57.4
BL-GOLD	7-Jul-2021	17.5	8.21	59
BL-GOLD	10-Aug-2021	21.4	7.35	50.7
BL-GOLD	15-Sep-2021	17.1	8.33	58
BL-GOLD	13-Oct-2021	12.8	8.52	74.6
BL-GOLD	15-Nov-2021	8.7	7.43	59.4
BL-GOLD	14-Dec-2021	6.4	7.96	41.8
CRAB Upper	2-Jun-2021	22.1	8.47	135.1
CRAB Upper	7-Jul-2021	Dry	Dry	Dry
CRAB Upper	10-Aug-2021	Dry	Dry	Dry
CRAB Upper	15-Sep-2021	Dry	Dry	Dry
Quarry	7-Jul-2021	24.6	8.15	158
Thelwood	7-Jul-2021	9.2	8.14	114
Webster	7-Jul-2021	15.4	8.2	69
Webster U/S	7-Jul-2021	13.7	8.13	58
3 Run Off	7-Jul-2021	9.5	8.31	227
Arnica 7	7-Jul-2021	15.5	8.15	114
Back Fill	7-Jul-2021	Dry	Dry	Dry
Myra 10	7-Jul-2021	9	7.91	230
Myra 11	7-Jul-2021	10.3	7.71	276
Phillips	7-Jul-2021	15.7	7.52	1576
Diversion	7-Jul-2021	16.1	7.92	72
Head Frame	7-Jul-2021	19.1	7.21	105
HW UG	7-Jul-2021	15.3	7.38	1447
L10E	7-Jul-2021	10.7	7.45	455

Appendix B-3. Bimonthly Buttle Lake Field Data, 2021

Station	Date	Field pH	Cond., uS/cm	Specific Cond., uS/cm	Temperature, ˚C	Dissolved Oxygen, mg/L	Dissolved Oxygen, %	Secchi Depth, m
HENSHAW-0	February	6.77	63.5		5.1	11.61		12.5
HENSHAW-5	February	6.92	64.2		5.1	11.75		12.5
HENSHAW-10	February	6.96	64.7		5.0	11.78		12.5
HENSHAW-15	February	6.95	65.9		4.9	11.79		12.5
HENSHAW-20	February	6.96	66.2		4.9	11.86		12.5
HENSHAW-25	February	6.96	67.0		4.8	11.8		12.5
HENSHAW-30	February	6.96	67.7		4.8	11.8		12.5
HENSHAW-35	February	6.95	68.1		4.8	11.78		12.5
HENSHAW-40	February	6.95	68.4		4.8	11.75		12.5
HENSHAW-45	February	6.96	68.4		4.8	11.73		12.5
HENSHAW-50	February	6.96	68.7		4.7	11.72		12.5
KARST-0	February	7.39	61.6		5.6	11.65		12.75
KARST-5	February	7.26	61.6		5.6	11.58		12.75
KARST-10	February	7.26	61.6		5.6	11.56		12.75
KARST-15	February	7.23	61.6		5.6	11.51		12.75
KARST-20	February	7.24	61.6		5.6	11.49		12.75
KARST-25	February	7.24	61.6		5.6	11.47		12.75
KARST-30	February	7.25	61.6		5.6	11.45		12.75
KARST-35	February	7.26	61.6		5.6	11.42		12.75
KARST-40	February	7.28	61.6		5.6	11.4		12.75
KARST-45	February	7.30	61.6		5.6	11.38		12.75
KARST-50	February	7.27	61.7		5.6	11.35		12.75
HENSHAW-0	4/20/2021	7.40		64.0	11.1	11.48		11
HENSHAW-5	4/20/2021			66.3	8.8	11.85		11
HENSHAW-10	4/20/2021	7.44		72.7	7.2	12.02		11
HENSHAW-15	4/20/2021			73.9	6.1	11.90		11
HENSHAW-20	4/20/2021	7.42		74.1	5.7	11.82		11
HENSHAW-25	4/20/2021			74.9	5.5	11.82		11
HENSHAW-30	4/20/2021			75.6	5.4	11.82		11
HENSHAW-35	4/20/2021			76.0	5.2	11.81		11
HENSHAW-40	4/20/2021	7.44		75.9	5.1	11.81		11
HENSHAW-45	4/20/2021			75.8	5.1	11.79		11
HENSHAW-50	4/20/2021			75.3	5.0	11.77		11
HENSHAW-60	4/20/2021	7.44		75.9	4.8	11.68		11
HENSHAW-66	4/20/2021	7.45		75.9	4.8	11.60		11
KARST-0	4/20/2021	6.96		62.7	9.4	11.43		12
KARST-5	4/20/2021	7.12		62.7	8.7	11.53		12
KARST-10	4/20/2021	7.31		62.8	7.5	11.67		12
KARST-15	4/20/2021	7.37		62.2	6.9	11.72		12
KARST-20	4/20/2021	7.38		62.3	6.6	11.75		12
KARST-25	4/20/2021			63.2	6.1	11.73		12
KARST-30	4/20/2021			63.6	6.0	11.71		12
KARST-35	4/20/2021			63.0	5.7	11.68		12
KARST-40	4/20/2021	7.48		63.1	5.6	11.67		12
KARST-45	4/20/2021			63.3	5.5	11.66		12
KARST-50	4/20/2021			64.4	5.5	11.67		12
KARST-60	4/20/2021	7.3		64.8	5.4	11.660		12
KARST-100	4/20/2021	7.41		63	5.1	10.91		12
HENSHAW-0	6/10/2021	6.93		46.1	12.3	10.9		11
HENSHAW-5	6/10/2021	6.99		45.5	12.3	10.9		11
HENSHAW-10	6/10/2021	6.93		42.4	11.2	11.1		11
HENSHAW-15	6/10/2021	6.91		37.4	9.0	11.59		11
HENSHAW-20	6/10/2021	6.85		37.7	8.1	11.68		11
HENSHAW-25	6/10/2021	6.82		41.7	7.2	11.69		11
HENSHAW-30	6/10/2021	6.78		45.0	6.3	11.57		11
HENSHAW-35	6/10/2021	6.77		45.4	6.0	11.51		11
HENSHAW-40	6/10/2021	6.75		47.2	5.6	11.48		11
HENSHAW-45	6/10/2021	6.90		47.7	5.5	11.44		11
HENSHAW-50	6/10/2021	6.91		48.0	5.4	11.32		11
HENSHAW-60	6/10/2021	6.92		48.0	5.4	11.30		11

Station	Date	Field pH	Cond., uS/cm	Specific Cond., uS/cm	Temperature, ˚C	Dissolved Oxygen, mg/L	Dissolved Oxygen, %	Secchi Depth, m
KARST-0	6/10/2021	7.71		47.7	13.2	10.73		8
KARST-5	6/10/2021	7.63		46.6	12.5	10.98		8
KARST-10	6/10/2021	7.51		43.3	10.9	11.27		8
KARST-15	6/10/2021	7.41		40.6	9.4	11.42		8
KARST-20	6/10/2021	7.34		42.0	7.7	11.55		8
KARST-25	6/10/2021	7.33		41.7	6.5	11.64		8
KARST-30	6/10/2021	7.30		41.1	6.1	11.66		8
KARST-35	6/10/2021	7.28		40.9	6.1	11.66		8
KARST-40	6/10/2021	7.27		40.9	6.0	11.66		8
KARST-45	6/10/2021	7.24		40.9	5.9	11.66		8
KARST-50	6/10/2021	7.23		40.6	5.8	11.66		8
KARST-60	6/10/2021	7.31		40.5	5.7	11.57		8
HENSHAW-0	8/25/2021	7.51		62.9	20.8	8.73		16.25
HENSHAW-5	8/25/2021	7.43		63	20.8	8.73		16.25
HENSHAW-10	8/25/2021	7.37		67.8	20.4	8.75		16.25
HENSHAW-15	8/25/2021	7.55		61.6	15.1	10.39		16.25
HENSHAW-20	8/25/2021	7.28		60.7	10	11.2		16.25
HENSHAW-25	8/25/2021	7.21		62.5	8.5	11.22		16.25
HENSHAW-30	8/25/2021	7.09		66.8	7.8	11.04		16.25
HENSHAW-35	8/25/2021	6.99		71.7	6.3	10.95		16.25
HENSHAW-40	8/25/2021	6.95		72.3	6.1	10.94		16.25
HENSHAW-45	8/25/2021	6.92		72.6	6	10.94		16.25
HENSHAW-50	8/25/2021	6.91		72.7	6	10.93		16.25
HENSHAW-60	8/25/2021	6.92		73.5	5.8	10.88		16.25
KARST-0	8/25/2021	7.61		61.2	20.9	8.82		14
KARST-5	8/25/2021	7.54		61.3	20.8	8.84		14
KARST-10	8/25/2021	7.4		61.2	20.3	9.05		14
KARST-15	8/25/2021	7.33		59.7	13.1	11.08		14
KARST-20	8/25/2021	7.29		61.2	10.3	11.17		14
KARST-25	8/25/2021	7.28		63.2	7.9	11.29		14
KARST-30	8/25/2021	7.3		64	6.7	11.35		14
KARST-35	8/25/2021	7.31		64.2	6.4	11.3		14
KARST-40	8/25/2021	7.33		64.3	6.2	11.3		14
KARST-45	8/25/2021	7.34		64.3	6.1	11.28		14
KARST-50	8/25/2021	7.36		64.4	6	11.25		14
KARST-60	8/25/2021	7.46		64.3	5.8	11.26		14
HENSHAW-0	10/20/2021	7.15		45	12.3	10.21		7.5
HENSHAW-5	10/20/2021	7.03		46	12.3	10.21		7.5
HENSHAW-10	10/20/2021	7.02		45	11.3	10.46		7.5
HENSHAW-15	10/20/2021	6.84		47	11	10.59		7.5
HENSHAW-20	10/20/2021	6.84		41	10.6	10.66		7.5
HENSHAW-25	10/20/2021	6.79		41	9.4	10.83		7.5
HENSHAW-30	10/20/2021	6.77		43	8.1	10.89		7.5
HENSHAW-35	10/20/2021	6.69		45	6.5	10.6		7.5
HENSHAW-40	10/20/2021	6.63		46	6.3	10.57		7.5
HENSHAW-45	10/20/2021	6.6		47	6.1	10.58		7.5
HENSHAW-50	10/20/2021	6.58		46	6	10.55		7.5
HENSHAW-55	10/20/2021	6.55		46	5.9	10.48		7.5
HENSHAW-60	10/20/2021	6.54		47	5.8	10.45		7.5
KARST-0	10/20/2021	7.2		45	12.4	10.33		10.5
KARST-5	10/20/2021	7.3		45	12.4	10.31		10.5
KARST-10	10/20/2021	7.3		45	12.2	10.31		10.5
KARST-15	10/20/2021	7.3		43	11.5	10.45		10.5
KARST-20	10/20/2021	7.3		41	10.7	10.59		10.5
KARST-25	10/20/2021	7.3		42	9.3	10.88		10.5
KARST-30	10/20/2021	7.2		41	7	11.17		10.5
KARST-35	10/20/2021	7.2		41	6.7	11.18		10.5
KARST-40	10/20/2021	7.1		41	6.5	11.16		10.5
KARST-45	10/20/2021	7.1		41	6.4	11.16		10.5
KARST-50	10/20/2021	7.1		41	6.3	11.18		10.5
KARST-55	10/20/2021	7.1		40	6.2	11.15		10.5
KARST-60	10/20/2021	7.1		40	6.1	11.13		10.5

Station	Date	Field pH	Cond., uS/cm	Specific Cond., uS/cm	Temperature, ˚C	Dissolved Oxygen, mg/L	Dissolved Oxygen, %	Secchi Depth, m
HENSHAW-0	12/8/2021	6.85		57.7	5.8	13.19		7.5
HENSHAW-5	12/8/2021	6.95		57.7	5.9	13.6		7.5
HENSHAW-10	12/8/2021	6.92		57.2	5.9	13.5		7.5
HENSHAW-15	12/8/2021	6.92		57	5.7	13.01		7.5
HENSHAW-20	12/8/2021	6.93		57.8	5.9	13		7.5
HENSHAW-25	12/8/2021	6.94		57.7	5.9	12.98		7.5
HENSHAW-30	12/8/2021	6.95		57.7	5.8	13.02		7.5
HENSHAW-35	12/8/2021	6.95		56.4	5.8	12.98		7.5
HENSHAW-40	12/8/2021	6.95		58.7	5.7	12.92		7.5
HENSHAW-45	12/8/2021	6.91		59.3	5.7	12.95		7.5
HENSHAW-50	12/8/2021	6.8		59.6	5.7	12.94		7.5
HENSHAW-55	12/8/2021	6.77		59.7	5.7	12.92		7.5
HENSHAW-60	12/8/2021	6.75		60.2	5.6	12.86		7.5
KARST-0	12/8/2021	7.25		38.2	6.5	12.87		8.5
KARST-5	12/8/2021	7.25		38.2	6.5	12.8		8.5
KARST-10	12/8/2021	7.18		38.2	6.5	12.96		8.5
KARST-15	12/8/2021	7.26		38.8	6.5	12.73		8.5
KARST-20	12/8/2021	7.23		38.2	6.5	12.7		8.5
KARST-25	12/8/2021	7.18		38.2	6.5	12.67		8.5
KARST-30	12/8/2021	7.19		38.2	6.5	12.65		8.5
KARST-35	12/8/2021	7.2		32	6.5	12.69		8.5
KARST-40	12/8/2021	7.12		32.6	6.5	12.63		8.5
KARST-45	12/8/2021	7.16		32.2	6.4	12.65		8.5
KARST-50	12/8/2021	7.15		32.2	6.3	12.64		8.5
KARST-55	12/8/2021	7.13		37.1	6.3	12.63		8.5
KARST-60	12/8/2021	7.16		37.1	6.2	12.61		8.5

Appendix C.

2021 Toxicity Testing Results

Year 2021 - Acute test results for Nyrstar Myra Falls

Sample Date	Sample ID	Trout LC50 % (v/v) [95% CL]	Trout single-concentration test Result (% Survival in undiluted conc.)	*Daphnia magna* LC50 % (v/v) [95% CL]
January 06, 2021	11A-RUNOFF	> 100	-	> 100
February 10, 2021	11A-RUNOFF	> 100	-	> 100
March 17, 2021	11A-RUNOFF	> 100	-	> 100
April 13, 2021	11A-RUNOFF	> 100	-	> 100
May 11, 2021	11A-RUNOFF	> 100	-	> 100
June 09, 2021	11A-RUNOFF	> 100	-	> 100
July 14, 2021	11A-RUNOFF	> 100	-	> 100
August 10, 2021	11A-RUNOFF	> 100	-	> 100
September 15, 2021	11A-RUNOFF	> 100	-	> 100
September 17, 2021	Spill Source	-	100	-
September 17, 2021	MC-Near 25	-	100	-
October 13, 2021	11A-RUNOFF	> 100	-	> 100
October 25, 2021	Spill-Source	-	0	-
October 25, 2021	MC-Near 25	-	100	-
November 15, 2021	11A-RUNOFF	> 100	-	> 100
December 14, 2021	11A-RUNOFF	> 100	-	> 100

LC = Lethal Concentration; CL = Confidence Limits

Year 2021 – Sub-lethal test results for Nyrstar Myra Falls

Test Species	Sample Date	Sample ID	End point	Result % (v/v) [95% CL]
Ceriodaphnia dubia	May 11, 2021	11A-RUNOFF	Survival LC50	> 100
			Reproduction IC25	> 100
			Reproduction IC50	> 100
Oncorhynchus mykiss			Embryo viability IC25	> 100
			Embryo viability IC50	> 100
Lemna minor			Frond Count IC25	13.5 [9.3 – 19.1]
			Frond Count IC50	> 97 *
			Dry weight IC25	34.1 [15.0 – 72.8]
			Dry weight IC50	> 97 *
Pseudokircheneriella subcapitata			Growth IC25	79.8 [69.0 – 84.0]
			Growth IC50	> 95.2 *
Ceriodaphnia dubia	September 15, 2021	11A-RUNOFF	Survival LC50	> 100
			Reproduction IC25	> 100
			Reproduction IC50	> 100
Lemna minor			Frond Count IC25	2.5 [0.6 – 27.0]
			Frond Count IC50	61.3 [33.6 – 91.2]
			Dry weight IC25	2.3 [0.7 – 43.6]
			Dry weight IC50	> 97 *
Pseudokircheneriella subcapitata			Growth IC25	72.4 [55.4 – 94.2]
			Growth IC50	> 95.2 *
Ceriodaphnia dubia	November 15, 2021	11A-RUNOFF	Survival LC50	> 100
			Reproduction IC25	> 100
			Reproduction IC50	> 100
Oncorhynchus mykiss			Embryo viability IC25	> 100
			Embryo viability IC50	> 100
Lemna minor			Frond Count IC25	19.9 [n/a – 69.0]
			Frond Count IC50	> 97 *
			Dry weight IC25	53.2 [n/a – n/a]
			Dry weight IC50	> 97 *
Pseudokircheneriella subcapitata			Growth IC25	34.0 [31.6 – 35.4]
			Growth IC50	48.6 [44.1 – 52.6]

LC = Lethal Concentration; IC = Inhibition Concentration; CL = Confidence Limits; * = Highest Concentration Tested.

Appendix D.

Biological Monitoring Data for Buttle Lake, 2021

Appendix D-1. Buttle Lake Zooplankton Species and Counts, 2021

FES Sample Number	210001	210002	210003	210004	210013	210014	210018	210019	210020	210021	210025	210026
Station	Karst	Henshaw	Karst	Henshaw	Karst	Henshaw	Karst	Henshaw	Karst	Henshaw	Karst	Henshaw
Sample Date	03-Feb-21	03-Feb-21	21-Apr-21	21-Apr-21	10-Jun-21	10-Jun-21	25-Aug-21	25-Aug-21	20-Oct-21	20-Oct-21	08-Dec-21	08-Dec-21
Sub-class : Copepoda												
Order : Cyclopoida												
Cryptocyclops bicolor (adult)	-	-	-	51	52	10	92	66	-	-	4	11
Diacyclops thomasi (adult)	20	31	67	77	11	51	61	44	107	212	7	8
Microcyclops varicans (adult)	14	10	17	13	40	41	77	55	20	15	5	6
UID (copepodid)	23	10	120	102	45	21	149	97	22	74	6	10
Order : Calanoida												
Hesperodiaptomus sp. (adult)	-	-	-	-	-	2	-	-	2	-	1	-
Skistodiaptomus oregonensis (adult)	37	10	10	15	8	12	46	29	2	45	16	12
UID (copepodid)	-	-	-	-	14	-	23	13	38	4	-	-
UID Calanoida/Cyclopoida (nauplii)	213	224	392	62	84	7	539	340	67	306	99	308
Sub-class : Branchiopoda												
Bosmina longirostris (adult)	12	38	227	102	246	142	1,388	752	41	70	3	8
Bosmina longirostris (juvenile)	6	5	68	24	8	5	23	21	5	10	-	1
Conochilus sp. (cells)	-	-	-	-	-	-	-	-	3	-	-	-
Daphnia longiremis (adult)	-	-	-	-	11	12	11	-	-	-	-	-
Daphnia rosea (adult)	67	40	26	27	332	469	119	172	125	188	38	20
Daphnia rosea (juvenile)	15	1	13	4	11	40	11	-	6	-	4	-
Daphnia sp. (adult)	-	-	-	-	212	43	-	-	5	17	-	-
Daphnia sp. (juvenile)	-	-	-	-	-	-	-	-	-	14	-	-
Holopedium gibberum (adult)	4	9	3	7	31	38	-	-	-	-	-	-
Holopedium gibberum (juvenile)	9	-	-	-	-	-	-	-	-	-	-	-
Polyphemus pediculus (adult)	-	-	-	-	31	36	4	8	2	-	-	-
Sida crystallina (adult)	-	-	-	-	-	-	-	-	6	-	-	-
Phylum : Rotifera												
Conochilus sp. (colony)	1	-	3	-	-	-	-	-	-	-	-	-
Kellicottia longispina	8	13	50	15	11	14	226	202	38	242	1	7
Keratella cochlearis	16	42	8	6	31	2	19	101	9	58	2	6
Keratella quadrata	4	1	3	-	6	-	8	4	-	2		1
Polyarthra sp.									11	4	-	-
UID	-	-	-	-	6	-	-	-	-	-	-	-
Benthic												
Order : Diptera												
Family : Chironomidae (larvae)	-	1	-	-	-	-	-	-	-	-	-	-
Group : Hydracarina	-	-	-	-	-	10	6	-	2	-	-	-
TOTAL	449	435	1,007	505	1,190	955	2,802	1,904	511	1,261	186	398

Notes: UID = unidentified due to lack of size and/or missing morphological characters.

Appendix D-2. Phytoplankton Counts for Buttle Lake at HENSHAW, 2021

Phytoplankton Date	number counted Apr-21	cells per mL Apr-21	number counted Jun-21	cells per mL Jun-21	number counted 25-Aug-21	cells per mL 25-Aug-21	number counted 08-Dec-21	cells per mL 08-Dec-21
1000X magnification - 100 fields								
CHRYSOPHYCEAE								
Ochromonas/Chromulina spp. (2-3 um)	28	252	45	810	46	414	44	396
Ochromonas/Chromulina spp. (4-5 um)	38	342	28	504	50	450	28	252
Ochromonas/Chromulina spp. (6-7 um)	11	99	13	234	10	90	5	45
Chrysochromulina parva	1	9	7	126	6	54		
Pseuokephyrion sp.			2	36	7	63		
TOTAL	**78**	**702**	**95**	**1,710**	**119**	**1,071**	**77**	**693**
400X magnification - 3- 1- 4 strips								
CHRYSOPHYCEAE								
Chrysocapsa paludosa (cols + cells)	1	1	4	7	1	0.4		
Chrysolikos sp.	3	2	2	3				
Dinobryon sp. (cells)	6	3	4	7	2	1	2	1
Mallomonas spp.	1	1						
Diceras chodatii			4	7	1	0.4		
Ochromonas spp. (8-10 um)	122	69	115	196	104	44	59	25
Ochromonas spp. (12-15)	2	1						
BACILLARIOPHYCEAE								
Achnanthes spp.	1	1						
Cyclotella glomerata (cells + cols)	31	18	2	3			1	0.4
Melosira italica (cols)	4	2	6	10	6	3	7	3
Rhizosolenia longiseta	61	35	10	17	49	21	2	1
Synedra sp. (small)							2	1
CHLOROPHYCEAE								
Botryococcus braunii (cells)					2	1		
Cosmrium sp. (small)			1	2				
Gloeocystis sp. (cells + cols)	8	5	5	9	2	1	3	1
Nephrocytium sp. (cells)					1	0.4		
Oocystis sp. (cells + cols)	1	1	1	2	5	2		
Scenedesmus sp. (cols)	1	1						
DINOPHYCEAE								
Gymnodinium sp.					2	1		
Peridinium sp.	3	2			3	1		
CRYPTOPHYCEAE								
Cryptomonas spp.	8	5	2	3	43	18	19	8
Rhodomonas minuta	12	7	8	14	2	1	23	10
CYANOPHYCEAE								
Dactylococcopsis acicularis (cols)	1	1	8	14	15	6		
TOTAL	**266**	**151**	**172**	**292**	**238**	**101**	**118**	**50**
100X magnification - half sample								
CHRYSOPHYCEAE								
Dinobryon sociale (12 col, 45 cells)	45	4						
Dinobryon sociale (1 col, 4 cells)			4	0.3				
Dinobryon bavaricum (503 col, 1574 cells)			1,574	126				
Dinobryon cylindricum (3 col, 18 cells)			18	1				
BACILLARIOPHYCEAE								
Asterionella formosa (9 cols, 45 cells)	45	4						
Asterionella formosa (120 cols, 301 cells)			301	24				
Asterionella formosa (6 cols, 30 cells)								
Synedra radians	71	6	16	1				
Synedra ulna	1	0.1						
CHLOROPHYCEAE								
Elakatothrix gelatinosa (col)	2	0.2	2	0.2				
DINOPHYCEAE								
Peridinium sp. (large)	1	0.1						
UNIDENTIFIED FLAGELLATE	4	0.3						
TOTAL	**169**	**14**	**1,915**	**153**				
100X magnification - whole sample								
CHRYSOPHYCEAE								
Dinobryon sociale (1 col, 1 cell)					1	0.04		
BACILLARIOPHYCEAE								
Navicula sp. (75 um)					1	0.04		
Synedra radians					1	0.04	2	0.1
Synedra ulna							1	0.04
Tabellaria fenestrata (1 col, 21 cells)							21	1
TOTAL					**3**	**0.1**	**24**	**1**

Appendix D-3. Phytoplankton Counts for Buttle Lake at KARST, 2021

Phytoplankton Date	number counted Apr-21	cells per mL Apr-21	number counted Jun-21	cells per mL Jun-21	number counted 25-Aug-21	cells per mL 25-Aug-21	number counted 08-Dec-21	cells per mL 08-Dec-21
1000X magnification - 100 fields								
CHRYSOPHYCEAE								
Ochromonas/Chromulina spp. (2-3 um)	24	216	46	828	32	288	42	378
Ochromonas/Chromulina spp. (4-5 um)	18	162	31	558	26	234	32	288
Ochromonas/Chromulina spp. (6-7 um)	6	54	13	234	7	63	5	45
Chrysochromulina parva	-	-	4	72	1	9	-	-
Pseuokephyrion sp.	1	9	1	18	2	18	-	-
TOTAL	**49**	**441**	**95**	**1,710**	**68**	**612**	**79**	**711**
400X magnification - 3- 1- 4 strips								
CHRYSOPHYCEAE								
Chrysocapsa paludosa (cols + cells)	2	1	8	14	-	-	-	-
Chrysolikos sp.	5	3	-	-	-	-	-	-
Dinobryon sp. (cells)	2	1	1	2	1	0.4	-	-
Mallomonas spp.	-	-	-	-	2	1	-	-
Diceras chodatii	-	-	3	5	-	-	-	-
Ochromonas spp. (8-10 um)	121	69	102	173	79	34	42	18
BACILLARIOPHYCEAE								
Cyclotella glomerata (cells + cols)	21	12	-	-	-	-	3	1
Navicula sp. (25 - 50 um)	-	-	1	2	-	-	-	-
Navicula sp. (50 um)	-	-	-	-	-	-	1	0.4
Melosira italica (cols)	7	4	10	17	4	2	2	1
Rhizosolenia longiseta	81	46	13	22	40	17	2	1
Synedra sp. (small)	-	-	-	-	-	-	5	2
CHLOROPHYCEAE								
Cosmrium sp. (small)	1	1	3	5	-	-	1	0.4
Gloeocystis sp. (cells + cols)	10	6	4	7	2	1	1	0.4
Oocystis sp. (cells + cols)	-	-	1	2	-	-	1	0.4
Scenedesmus sp. (cols)	2	1	1	2	-	-	1	0.4
DINOPHYCEAE								
Peridinium sp.	-	-	2	3	5	2	-	-
CRYPTOPHYCEAE								
Cryptomonas spp.	7	4	8	14	12	5	5	2
Rhodomonas minuta	14	8	12	20	6	3	18	8
CYANOPHYCEAE								
Dactylococcopsis acicularis (cols)	-	-	8	14	5	2	-	-
TOTAL	**273**	**155**	**177**	**301**	**156**	**66**	**82**	**35**
100X magnification - half sample								
CHRYSOPHYCEAE								
Dinobryon sociale (1 col, 2 cells)	-	-	2	0.2	2	0.1	-	-
Dinobryon bavaricum (287 col, 1750 cells)	-	-	1,750	140	-	-	-	-
Dinobryon cylindricum (7 col, 48 cell)	-	-	48	4	-	-	-	-
Dinobryon sociale (10 col, 42 cells)	42	3.4	-	-	-	-	-	-
Dinobryon cylindricum (1 col, 1 cell)	1	0.1	-	-	-	-	-	-
BACILLARIOPHYCEAE								
Asterionella formosa (55 cols, 282 cells)	-	-	282	23	-	-	-	-
Asterionella formosa (6 cols, 30 cells)	30	2.4	-	-	-	-	-	-
Synedra radians	107	8.6	7	1	-	-	-	-
CHLOROPHYCEAE								
Elakatothrix gelatinosa (col)	2	0.2	1	0.08	-	-	-	-
UNIDENTIFIED FLAGELLATE	4	0.3	-	-	-	-	-	-
Botryococcus braunii (cols)	-	-	-	-	1	0.04	-	-
TOTAL	**186**	**14.9**	**2,090**	**167**	**3**	**0.1**	**-**	**-**
100X magnification - whole sample								
BACILLARIOPHYCEAE								
Synedra rumpens	-	-	-	-	-	-	7	0.3
Synedra ulna	-	-	-	-	-	-	1	0.04
TOTAL	**-**	**-**	**-**	**-**	**-**	**-**	**8**	**0.3**

Appendix D-4. (a) Phytoplankton abundance (Total Cell Numbers in cells per mL) in Buttle Lake samples, 1991 - 2021

Year	Month	Total Cell Numbers	
		Karst Creek	Henshaw Creek
1991	April	430	360
	July	1400	1800
	September	1200	1700
	November	1400	1600
1992	February	920	560
	March	1800	2500
	May	1500	1950
	July	980	1000
	October	1100	1200
	December	930	930
1993	April	1000	1950
	July	1150	1150
	October	460	800
	December	650	630
1994	March	1000	1100
	April	1200	2200*
	May	1300	1200
	July	1200	800
	September	600	700
1995	February	850	no sample
	April	2200	2500
	June	1000	600
	August	330	370
1996	February	250	270
	April	1400	1600
	June	2000	3100
	August	2200	3000
	October	850	1100
	December	210	470
1997	February	310	430
	April	580	640
	June	1000	no sample
	August	560	550
	October	1100	1500
	December	470	670
1998	February	550	500
	April	900	2000
	June	2000	1800
	August	1100	860
	October	1300	1100
1999	February	230	310
	April	720	1200
	June	3100	3000
	August	1500	1200
	October	1100	1900
	December	390	610
2000	February	550	1800
	April	2100	3500
	June	830	880
	August	2200	1600
	October	1900	2300
	December	990	1000
2001	February	510	830
	April	2,200	2,800
	June	1,200	1,600
	August	1,700	1,600
	November	820	1,200
	December	760	900
2002	February	480	1,000
	April	800	1,000
	June	880	1,100
	August	660	1,200
	October	4,300	770
	December	870	560
2003	March	810	890
	April	1,200	1,100
	June	2,200	1,600
	October	650	600
	December	270	330
2004	February	940	1,000
	April	800	910
	June	380	330
	August	800	1200
	October	1400	1500
	December	410	420
2005	February	340	260
	April	1,200	1,900
	June	980	1,100
	August	1,050	1,300
	October	1,020	1,600
	December	660	700
2006	February	400	510
	April	970	830
	June	550	630
	August	1,100	690
2007	February	260	290
	April	1,400	800
	June	400	580
	August	880	760
	October	630	720
	December	540	620
2008	February	no sample	no sample
	April	no sample	no sample
	June	780	1000
	August	1100	890
	October	870	850
	December	740	1000
2009	June	1100	710
	Sept.	660	680
	October	1400	1100
	December	330	680
2010	February	680	980
	April	1100	1100
	June	820	760
	August	560	950
	October	710	740
	December	540	400
2011	February	440	920
	June	770	710
	August	1200	750
	October	1100	1100
	December	710	1100
2012	March	370	920
	April	560	670
	June	1200	1300
	August	490	820
	October	1400	1100
	December	540	560
2013	February	890	1,100
	April	1,900	2,100
	June	1,300	940
	August	1,800	1,300
	October	1,100	810
	December	1,100	1,300
	February	650	750
	April	1,900	1,500
	June	740	620
	21-Aug	1200	840
	28-Aug	800	900
2014	4-Sep	550	800
	11-Sep	730	1,000
	18-Sep	760	900
	October	980	1,100
	December	600	700
	February	1,100	1,100
	April	1,400	1,600
	June	700	1,100
	August	630	970
	29-Oct	610	690
2015	4-Nov	680	690
	15-Nov	560	580
	19-Nov	460	550
	26-Nov	600	370
	16-Dec	340	330
	18-Feb	380	300
	25-Apr	930	760
	22-Jun	1,200	1,400
2016	18-Aug	940	980
	11-Oct	480	580
	10-Nov	420	200
	21-Dec	280	190
2017	23-Feb	510	430
	20-Apr	720	920
	1-Jun	900	840
	2-Aug	660	700
	10-Oct	550	620
	13-Dec	490	300
2018	February	460	430
	18-Apr	690	650
	27-Jun	240	250
	15-Aug	900	600
	3-Oct	900	940
	5-Dec	540	580
2019	7-Feb	300	480
	25-Apr	940	1200
	19-Jun	580	630
	2-Aug	450	500
	October	no sample	no sample
	10-Dec	1,100	1,100
2020	February 12/21	480	540
	7-Apr	480	580
	4-Jun	280	360
	5-Aug	180	300
	7-Oct	180	430
	2-Dec	320	360
2021	3-Feb	210	350
	April	610	870
	10-Jun	2,200	2,200
	25-Aug	680	1,200
	20-Oct	810	1,000
	8-Dec	750	740

*some sample spilt, results inconclusive

Appendix D-4. (b) Phytoplankton abundance (2 - 5 um Size Fraction (counted at 1000X) in cells per mL) in Buttle Lake samples, 1991 - 2021

Year	Month	2 - 5 um Size Fraction		Year	Month	2 - 5 um Size Fraction		Year	Month	2 - 5 um Size Fraction		Year	Month	2 - 5 um Size Fraction	
		Karst Creek	Henshaw Creek			Karst Creek	Henshaw Creek			Karst Creek	Henshaw Creek			Karst Creek	Henshaw Creek
1991	April	290	200	2001	February	300	400	2010	February	630	850	2017	23-Feb	430	370
	July	1220	1650		April	1,100	1,500		April	920	890		20-Apr	440	540
	September	920	1200		June	870	1,200		June	620	570		1-Jun	590	600
	November	650	780		August	720	630		August	410	760		2-Aug	360	360
1992	February	690	460		November	640	950		October	550	570		10-Oct	400	400
	March	1280	1740		December	610	780		December	480	340		13-Dec	410	240
	May	1120	1620	2002	February	290	780	2011	February	340	840	2018	February	360	370
	July	820	790		April	520	790		June	590	540		18-Apr	520	450
	October	530	630		June	540	840		August	980	620		27-Jun	190	210
	December	650	650		August	430	790		October	890	930		15-Aug	760	500
1993	April	470	810		October	3,700	770		December	590	890		3-Oct	770	770
	July	970	840		December	680	390	2012	March	240	780		5-Dec	470	490
	October	290	520	2003	March	500	550		April	360	450	2019	7-Feb	270	440
	December	530	550		April	900	800		June	700	730		25-Apr	770	860
1994	March	740	970		June	1,700	1,100		August	370	650		19-Jun	490	540
	April	780	1600*		October	470	460		October	870	510		2-Aug	340	340
	May	780	660		December	160	190		December	300	330		October	no sample	no sample
	July	1020	660	2004	February	760	630	2013	February	670	830		10-Dec	160	190
	September	440	450		April	530	620		April	1,500	1,700	2020	February 12/21	420	490
1995	February	560	no sample		June	170	80		June	1,600	1200		7-Apr	350	480
	April	1100	1500		August	350	220		August	970	700		4-Jun	220	310
	June	550	390		October	680	700		October	990	650		5-Aug	130	240
	August	220	220		December	210	300		December	880	1,000		7-Oct	150	390
1996	February	140	230	2005	February	170	150		February	520	620		2-Dec	250	280
	April	1000	1200		April	710	1,300		April	1,500	1,200	2021	3-Feb	160	280
	June	640	1300		June	800	840		June	400	400		April	440	700
	August	2100	2800		August	860	1,100		21-Aug	1000	660		10-Jun	1,700	1,700
	October	570	280		October	680	1,100	2014	28-Aug	670	770		25-Aug	610	1,100
	December	100	270		December	500	530		4-Sep	320	610		20-Oct	750	940
1997	February	140	320	2006	February	310	420		11-Sep	550	750		8-Dec	710	690
	April	250	440		April	560	450		18-Sep	550	660				
	June	640	no sample		June	360	460		October	850	900				
	August	440	390		August	850	490		December	490	590				
	October	820	1200	2007	February	160	230		February	860	900				
	December	310	420		April	1,200	600		April	900	1,300				
1998	February	450	410		June	290	430		June	500	890				
	April	510	1200		August	720	610		August	440	810				
	June	1800	1600		October	500	590	2015	29-Oct	490	570				
	August	910	600		December	410	490		4-Nov	580	550				
	October	1000	830	2008	February	no sample	no sample		15-Nov	460	490				
1999	February	190	170		April	no sample	no sample		19-Nov	460	550				
	April	340	820		June	610	840		26-Nov	510	288				
	June	1500	1100		August	920	710		16-Dec	250	270				
	August	1100	920		October	700	760		18-Feb	300	240				
	October	750	1300		December	580	860		25-Apr	660	490				
	December	220	450	2009	June	950	600		22-Jun	610	790				
2000	February	370	1300		Sept.	520	510	2016	18-Aug	790	810				
	April	1000	2100		October	1100	870		11-Oct	320	370				
	June	620	620		December	250	550		10-Nov	330	140				
	August	1600	1200						21-Dec	240	150				
	October	340	650												
	December	540	570												

*some sample spilt, results inconclusive

Appendix D-4. (c) Phytoplankton abundance (5 - 25 um Size Fraction (counted at 400X) in cells per mL) in Buttle Lake samples, 1991 – 2021

Year	Month	5 - 25 um Size Fraction		Year	Month	5 - 25 um Size Fraction		Year	Month	5 - 25 um Size Fraction		Year	Month	5 - 25 um Size Fraction	
		Karst Creek	Henshaw Creek			Karst Creek	Henshaw Creek			Karst Creek	Henshaw Creek			Karst Creek	Henshaw Creek
1991	April	140	160	2001	February	210	430	2010	February	50	130	2017	23-Feb	70	60
	July	170	150		April	1,100	1,300		April	200	180		20-Apr	260	370
	September	270	450		June	320	350		June	190	190		1-Jun	280	210
	November	760	850		August	940	920		August	150	200		2-Aug	300	320
1992	February	220	100		November	180	220		October	160	170		10-Oct	130	190
	March	560	790		December	140	120		December	60	60		13-Dec	75	54
	May	350	320	2002	February	180	240	2011	February	94	87	2018	February	100	63
	July	160	210		April	240	230		June	180	170		18-Apr	160	190
	October	540	570		June	310	250		August	770	120		27-Jun	49	47
	December	280	280		August	230	370		October	190	210		15-Aug	130	110
1993	April	475	1100		October	580	320		December	120	170		3-Oct	130	160
	July	190	310		December	170	160	2012	March	120	140		5-Dec	70	90
	October	170	290	2003	March	290	320		April	190	220	2019	7-Feb	33	33
	December	110	76		April	290	320		June	500	540		25-Apr	170	290
1994	March	290	123		June	490	480		August	120	170		19-Jun	96	94
	April	400	610*		October	180	130		October	490	630		2-Aug	100	150
	May	520	520		December	110	140		December	230	230	2020	February 12/21	51	54
	July	200	140	2004	February	160	400	2013	February	223	230		7-Apr	120	88
	September	180	250		April	250	270		April	440	410		4-Jun	50	44
1995	February	290	no sample		June	200	240		June	200	180		5-Aug	54	62
	April	1100	1000		August	580	870		August	300	240		7-Oct	25	39
	June	480	230		October	740	840		October	200	160		2-Dec	62	84
	August	100	150		December	200	120		December	210	250	2021	3-Feb	45	56
1996	February	85	37	2005	February	170	110		February	130	130		April	150	150
	April	370	330		April	440	530		April	430	280		10-Jun	300	290
	June	1300	1700		June	170	250		June	330	220		25-Aug	66	100
	August	100	180		August	190	220		21-Aug	170	180		20-Oct	62	87
	October	280	360		October	330	520		28-Aug	130	130		8-Dec	35	50
	December	110	190		December	160	170	2014	4-Sep	230	180				
1997	February	170	110	2006	February	80	80		11-Sep	180	290				
	April	330	200		April	380	350		18-Sep	210	250				
	June	350	no sample		June	190	160		October	140	160				
	August	120	150		August	250	200		December	110	100				
	October	280	300	2007	February	100	60		February	190	190				
	December	160	240		April	280	240		April	480	330				
1998	February	100	85		June	110	150		June	180	210				
	April	370	790		August	160	150		August	190	160				
	June	200	200		October	130	130	2015	29-Oct	120	120				
	August	200	250		December	120	140		4-Nov	101	133				
	October	250	230	2008	February	no sample	no sample		15-Nov	94	92				
1999	February	120	65		April	no sample	no sample		19-Nov	70	98				
	April	370	360		June	160	150		26-Nov	81	79				
	June	1600	1900		August	160	180		16-Dec	190	150				
	August	420	280		October	160	100		18-Feb	86	55				
	October	380	560		December	160	160		25-Apr	270	270				
	December	160	160	2009	February	no sample	no sample		22-Jun	560	540				
2000	February	170	540		April	no sample	no sample	2016	18-Aug	260	300				
	April	1000	1400		June	141	100		11-Oct	150	210				
	June	200	225		September	130	160		10-Nov	89	54				
	August	590	390		October	240	230		21-Dec	40	33				
	October	1500	1600		December	75	130								
	December	450	460												

*some sample spilt, results inconclusive

MUNRO ENVIRONMENTAL CONSULTING

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April 15, 2021

Invoice 2021-02

Nicole Pesonen

Nyrstar/Myra Falls

Campbell River, BC

Dear Nicole,

RE: Buttle Lake Phytoplankton, February 2021

Enclosed are results for two phytoplankton samples collected from Buttle Lake in February 2021. The samples were treated as previously (27 ml samples examined at 100X, 400X, and 1000X magnifications).

Phytoplankton abundance was 210 cells/mL for Karst and 350 cells/mL for Henshaw (Table 1). Abundance was at the low end of the range reported in recent years for February.

Taxonomic composition was similar in the Karst and Henshaw samples. Small chrysoflagellates (*Ochromonas* spp. and *Chromulina* spp.) were the most numerous and predominant species, as typically reported in Buttle Lake samples collected throughout the year. Among larger cells, the chrysophyte *Ochromonas* spp. was predominant and diatoms *Rhizosolenia longiseta*, *Asterionella formosa*, and *Synedra radians* were common in both samples.

Total abundance continues to be low. While conducting the analysis, I noticed that the drop in abundance was particularly noticeable for the small and very small

chrysoflagellates, which typically dominate the numbers. Numbers of diatoms and other larger cells did not seem as affected. The Lugol's preservative used during the past year is a lot paler than the formula used in the past, and it is harder to see the algae. I have added Lugol's from my meagre supply at times but it doesn't improve the count. It is possible that the new formulation of Lugol's is less effective in preserving the small delicate organisms (chrysoflagellates), resulting in lower total abundance.

This idea could be tested by preparing duplicate samples and preserving them with the two types of Lugol's.

Please call me with any questions regarding the data. I would be happy to support you with any further study.

Yours truly,

Karen Munro, M.Sc., R.P.Bio.

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June 14, 2021

Invoice 2021-03

Nicole Pesonen

Nyrstar/Myra Falls

Campbell River, BC

Dear Nicole,

RE: Buttle Lake Phytoplankton, April 2021

Enclosed are results for two phytoplankton samples collected from Buttle Lake in April 2021. The samples were treated as previously (27 ml samples examined at 100X, 400X, and 1000X magnifications).

Phytoplankton abundance was 610 cells/mL for Karst and 870 cells/mL for Henshaw (Table 1). Abundance was at the low end of the range reported in recent years for February.

Taxonomic composition was similar in the Karst and Henshaw samples. Small chrysoflagellates (*Ochromonas* spp. and *Chromulina* spp.) were the most numerous and predominant species, as typically reported in Buttle Lake samples collected throughout the year. Among larger cells, the chrysophyte *Ochromonas* spp. was predominant and diatoms *Rhizosolenia longiseta* and *Synedra radians* were common in both samples.

Total abundance was in the range noted in previous years (higher than in 2020). The trend with low abundance noted for 2020 will continue to be tracked.

Please call me with any questions regarding the data. I would be happy to support you with any further study.

Yours truly,

Karen Munro, M.Sc., R.P.Bio.

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October 20, 2021

Invoice 2021-05

Nicole Pesonen

Nyrstar/Myra Falls

Campbell River, BC

Dear Nicole,

RE: Buttle Lake Phytoplankton, August 2021

Enclosed are results for two phytoplankton samples collected from Buttle Lake in August 2021. The samples were treated as previously (27 ml samples examined at 100X, 400X, and 1000X magnifications). The samples were preserved with an alternate source of Lugol's and were the colour of tea.

Phytoplankton abundance was 680 cells/mL for Karst and 1,200 cells/mL for Henshaw (Table 1). Abundance was in the range reported in recent years for August.

Taxonomic composition was similar in the Karst and Henshaw samples. Small chrysoflagellates (*Ochromonas* spp. and *Chromulina* spp.) were the most numerous and predominant species, as typically reported in Buttle Lake samples collected throughout the year. Among larger cells, the chrysophyte *Ochromonas* spp. were predominant and diatom *Rhizochrysis longiseta* was common in both samples.

Total abundance in the August samples was higher than reported in August 2020 (Table 1). The higher abundance in August 2021 may be associated with the use of the alternate source of Lugol's (helping with sample preservation and with visibility of organisms).

Please call me with any questions regarding the data. I would be happy to support you with any further study.

Yours truly,

Karen Munro, M.Sc., R.P.Bio.

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November 12, 2021

Invoice 2021-06

Nicole Pesonen

Nyrstar/Myra Falls

Campbell River, BC

Dear Nicole,

RE: Buttle Lake Phytoplankton, October 2021

Enclosed are results for two phytoplankton samples collected from Buttle Lake in October 2021. The samples were treated as previously (27 ml samples examined at 100X, 400X, and 1000X magnifications). The samples were preserved with an alternate source of Lugol's and were the colour of tea.

Phytoplankton abundance was 810 cells/mL for Karst and 1,000 cells/mL for Henshaw (Table 1). Abundance was in the range reported in recent years for October.

Taxonomic composition was similar in the Karst and Henshaw samples. Small chrysoflagellates (*Ochromonas* spp. and *Chromulina* spp.) were the most numerous and predominant species, as typically reported in Buttle Lake samples collected throughout the year. Among larger cells, the chrysophyte *Ochromonas* spp. were predominant and cryptophytes *Rhodomonas minuta* and *Cryptomonas* spp. were common in both samples.

Total abundance in the October samples was higher than reported in October 2020 (Table 1). The higher abundance in October 2021 may be associated with the use of the alternate source of Lugol's (helping with sample preservation and with visibility of organisms).

Please call me with any questions regarding the data. I would be happy to support you with any further study.

Yours truly,

Karen Munro, M.Sc., R.P.Bio.

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December 29, 2021

Invoice 2021-07

Nicole Pesonen

Nyrstar/Myra Falls

Campbell River, BC

Dear Nicole,

RE: Buttle Lake Phytoplankton, December 2021

Enclosed are results for two phytoplankton samples collected from Buttle Lake in December 2021. The samples were treated as previously (27 ml samples examined at 100X, 400X, and 1000X magnifications). The samples were preserved with an alternate source of Lugol's and were the colour of tea.

Phytoplankton abundance was 750 cells/mL for Karst and 740 cells/mL for Henshaw (Table 1). Abundance was in the range reported in recent years for October.

Taxonomic composition was similar in the Karst and Henshaw samples. Small chrysoflagellates (*Ochromonas* spp. and *Chromulina* spp.) were the most numerous and predominant species, as typically reported in Buttle Lake samples collected throughout the year. Among larger cells, the chrysophyte *Ochromonas* spp. were predominant and the cryptophyte *Rhodomonas minuta* was common in both samples.

Total abundance in the December samples was higher than reported in December 2020 (Table 1). The higher abundance in December 2021 may be associated with the use of

the alternate source of Lugol's (helping with sample preservation and with visibility of organisms).

Please call me with any questions regarding the data. I would be happy to support you with any further study.

Yours truly,

Karen Munro, M.Sc., R.P.Bio.

Appendix E

Laboratory Water Quality Data, 2021

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21A2062	2	No	Regular	BL-GOLD	BL-GOLD	21-Jan-2021	7.35	62.3	26.8	-	-	-	-	26.7	<1	26.7
21B1332	1	No	Regular	BL-GOLD	BL-GOLD	10-Feb-2021	7.44	57.3	27.2	-	-	-	-	28.8	<1	28.8
21C1628	2	No	Regular	BL-GOLD	BL-GOLD	10-Mar-2021	7.47	61.8	19.8	-	-	<2	-	30.3	<1	30.3
21D1854	1	No	Regular	BL-GOLD	BL-GOLD	15-Apr-2021	6.8	60	27.3	-	-	-	-	29.5	<1	29.5
21E0545	2	No	Regular	BL-GOLD	BL-GOLD	5-May-2021	7.35	61.9	-	-	-	-	-	29	<1	29
21F0686	2	No	Regular	BL-GOLD	BL-GOLD	2-Jun-2021	6.89	71.1	-	-	-	-	-	30	<1	30
21G0973	1	No	Regular	BL-GOLD	BL-GOLD	7-Jul-2021	7.43	52.4	-	-	-	-	-	27.1	<1	27.1
21H1128	5	No	Replicate	BL-GOLD D	BL-GOLD	10-Aug-2021	7.47	53	-	-	-	-	-	26.7	<1	26.7
21H1128	2	No	Regular	BL-GOLD	BL-GOLD	10-Aug-2021	7.36	53.4	-	-	-	-	-	26.2	<1	26.2
21I2389	1	No	Regular	BL-GOLD	BL-GOLD	15-Sep-2021	7.05	56.7	-	-	-	-	-	27.9	<1	27.9
21J2034	2	No	Regular	BL-GOLD	BL-GOLD	13-Oct-2021	7.44	57.8	-	-	-	-	-	27.6	<1	27.6
21K2057	3	No	Regular	BL-GOLD	BL-GOLD	15-Nov-2021	7.54	56.6	-	-	-	-	-	27.8	<1	27.8
21L2262	2	No	Regular	BL-GOLD	BL-GOLD	14-Dec-2021	7.08	56	-	-	-	-	-	26.4	<1	26.4
21B1332	6	No	Regular	DISSIPATER	DISSIPATER	10-Feb-2021	6.53	460	223	-	-	31.8	-	14.7	<1	14.7
21D1854	6	No	Regular	DISSIPATER	DISSIPATER	14-Apr-2021	5.83	609	287	-	-	29	-	7.7	<1	7.7
21G0973	6	No	Regular	DISSIPATER	DISSIPATER	7-Jul-2021	6.7	599	-	-	-	17.2	-	21.9	<1	21.9
21K2057	6	No	Regular	DISSIPATER	DISSIPATER	15-Nov-2021	4.57	672	-	-	-	48.7	-	<1	<1	<1
21B0557	7	No	Regular	HEN-0	HENSHAW-0	3-Feb-2021	7.04	62.5	-	-	0.17	<2	-	27.6	<1	27.6
21D2542	7	No	Regular	HEN-0	HENSHAW-0	21-Apr-2021	7.26	61.6	-	-	0.18	<2	-	29.1	<1	29.1
21F1754	7	No	Regular	HEN-0	HENSHAW-0	10-Jun-2021	7.6	58.7	-	-	0.21	<2	-	29.3	<1	29.3
21H3327	7	No	Regular	HEN-0	HENSHAW-0	25-Aug-2021	7.53	58.8	-	-	0.31	<2	-	28.1	<1	28.1
21J3046	7	No	Regular	HEN-0	HENSHAW-0	20-Oct-2021	7.31	57.3	-	-	0.61	2.4	-	26.6	<1	26.6
21J3046	12	No	Replicate	HEN-0 D	HENSHAW-0	20-Oct-2021	7.36	57.4	-	-	0.29	<2	-	26.7	<1	26.7
21L2246	7	No	Regular	HEN-0	HENSHAW-0	8-Dec-2021	6.94	55.8	-	-	0.45	<2	-	23.2	<1	23.2
21B0557	8	No	Regular	HEN-10	HENSHAW-10	3-Feb-2021	7.03	62.4	-	-	0.23	<2	-	27.1	<1	27.1
21D2542	8	No	Regular	HEN-10	HENSHAW-10	21-Apr-2021	7.24	65.7	-	-	0.18	<2	-	28.8	<1	28.8
21F1754	8	No	Regular	HEN-10	HENSHAW-10	10-Jun-2021	7.61	55.2	-	-	0.26	<2	-	26.2	<1	26.2
21H3327	8	No	Regular	HEN-10	HENSHAW-10	25-Aug-2021	7.4	65.1	-	-	0.22	<2	-	28	<1	28
21J3046	8	No	Regular	HEN-10	HENSHAW-10	20-Oct-2021	7.29	56.9	-	-	0.35	<2	-	10.9	<1	10.9
21L2246	8	No	Regular	HEN-10	HENSHAW-10	8-Dec-2021	6.97	57.6	-	-	0.39	<2	-	23.8	<1	23.8
21B0557	9	No	Regular	HEN-20	HENSHAW-20	3-Feb-2021	7	64	-	-	0.26	<2	-	25.4	<1	25.4
21B0557	12	No	Replicate	HEN-20 D	HENSHAW-20	3-Feb-2021	7.04	64.9	-	-	0.27	<2	-	26.2	<1	26.2
21D2542	9	No	Regular	HEN-20	HENSHAW-20	21-Apr-2021	7.23	68.1	-	-	0.19	<2	-	29.2	<1	29.2
21F1754	9	No	Regular	HEN-20	HENSHAW-20	10-Jun-2021	7.52	50.5	-	-	0.25	<2	-	23.1	<1	23.1
21H3327	9	No	Regular	HEN-20	HENSHAW-20	25-Aug-2021	7.45	58.9	-	-	0.22	<2	-	26.5	<1	26.5
21J3046	9	No	Regular	HEN-20	HENSHAW-20	20-Oct-2021	7.25	55.4	-	-	0.51	<2	-	23.4	<1	23.4
21L2246	9	No	Regular	HEN-20	HENSHAW-20	8-Dec-2021	6.95	55.3	-	-	0.53	<2	-	22.8	<1	22.8
21B0557	10	No	Regular	HEN-40	HENSHAW-40	3-Feb-2021	6.98	66.2	-	-	0.3	<2	-	25.4	<1	25.4
21D2542	10	No	Regular	HEN-40	HENSHAW-40	21-Apr-2021	7.25	70.6	-	-	0.18	<2	-	29.1	<1	29.1
21F1754	10	No	Regular	HEN-40	HENSHAW-40	10-Jun-2021	7.6	67.9	-	-	0.24	<2	-	29.3	<1	29.3
21H3327	10	No	Regular	HEN-40	HENSHAW-40	25-Aug-2021	7.42	68.4	-	-	0.17	<2	-	29.5	<1	29.5
21J3046	10	No	Regular	HEN-40	HENSHAW-40	20-Oct-2021	7.3	67.1	-	-	0.27	<2	-	29.6	<1	29.6
21L2246	10	No	Regular	HEN-40	HENSHAW-40	8-Dec-2021	6.95	56	-	-	0.4	<2	-	22.7	<1	22.7
21B0557	11	No	Regular	HEN-60	HENSHAW-60	3-Feb-2021	7.01	67.4	-	-	0.28	<2	-	25.8	<1	25.8
21D2542	11	No	Regular	HEN-60	HENSHAW-60	21-Apr-2021	7.27	74.1	-	-	0.17	<2	-	28.6	<1	28.6
21F1754	11	No	Regular	HEN-60	HENSHAW-60	10-Jun-2021	7.61	71	-	-	0.2	<2	-	29.4	<1	29.4
21H3327	11	No	Regular	HEN-60	HENSHAW-60	25-Aug-2021	7.41	71.6	-	-	0.29	<2	-	29.4	<1	29.4
21J3046	11	No	Regular	HEN-60	HENSHAW-60	20-Oct-2021	7.3	71.4	-	-	0.19	<2	-	29.9	<1	29.9
21L2246	11	No	Regular	HEN-60	HENSHAW-60	8-Dec-2021	6.96	57.4	-	-	0.41	<2	-	23.1	<1	23.1

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+ Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
BL-GOLD	21-Jan-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.0175	<3	<0.0005	<0.05	<0.005
BL-GOLD	10-Feb-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.015	<3	<0.0005	<0.05	<0.005
BL-GOLD	10-Mar-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.028	<3	<0.0005	<0.05	0.0109
BL-GOLD	15-Apr-2021	<1	<1	0.98	<0.1	3.8	-	-	-	-	-	-	-	-	-	0.0442	<3	<0.0005	<0.05	0.0062
BL-GOLD	5-May-2021	<1	<1	0.62	<0.1	3.4	-	-	-	-	-	-	-	-	-	0.105	3.1	<0.0005	<0.05	0.0059
BL-GOLD	2-Jun-2021	<1	<1	0.63	<0.1	3.5	-	-	-	-	-	-	-	-	-	0.0201	<3	<0.0005	<0.05	0.0051
BL-GOLD	7-Jul-2021	<1	<1	0.57	<0.1	2.8	-	-	-	-	-	-	-	-	-	0.0241	<3	<0.0005	<0.05	0.0059
BL-GOLD	10-Aug-2021	<1	<1	0.59	<0.1	2.7	-	-	-	-	-	-	-	-	-	0.0393	<3	<0.0005	<0.05	0.0086
BL-GOLD	10-Aug-2021	<1	<1	0.6	<0.1	2.7	-	-	-	-	-	-	-	-	-	0.0417	<3	<0.0005	<0.05	0.008
BL-GOLD	15-Sep-2021	<1	<1	0.68	<0.1	3.8	-	-	-	-	-	-	-	-	-	0.0069	<3	<0.0005	<0.05	<0.005
BL-GOLD	13-Oct-2021	<1	<1	0.62	<0.1	3.5	-	-	-	-	-	-	-	-	-	0.0145	<3	<0.0005	<0.05	<0.005
BL-GOLD	15-Nov-2021	<1	<1	0.68	<0.1	3.4	-	-	-	-	-	-	-	-	-	0.0241	<3	<0.0005	<0.05	<0.005
BL-GOLD	14-Dec-2021	<1	<1	0.7	<0.1	3.5	-	-	-	-	-	-	-	-	-	0.0477	<3	<0.0005	<0.05	<0.005
DISSIPATER	10-Feb-2021	<1	<1	-	-	222	0.64	0.344	-	-	-	0.0107	-	-	-	2.32	78.8	0.00168	<0.05	0.289
DISSIPATER	14-Apr-2021	<1	<1	1.62	0.28	312	0.66	0.354	-	-	-	0.0058	-	-	-	4.24	114	0.00056	<0.05	0.086
DISSIPATER	7-Jul-2021	<1	<1	2.95	0.32	272	1.66	1.09	-	-	-	0.0124	-	-	-	2.47	104	0.00432	0.064	0.05
DISSIPATER	15-Nov-2021	<1	<1	2.07	0.63	322	-	1.06	1.04	0.018	0.541	0.0255	-	2.53	2.52	5.72	115	0.00255	<0.05	0.104
HENSHAW-0	3-Feb-2021	<1	<1	-	-	4.8	-	0.0385	0.038	<0.01	<0.05	<0.005	<0.005	-	-	0.0215	1.8	0.000163	0.0052	0.0061
HENSHAW-0	21-Apr-2021	<1	<1	-	-	4.4	-	0.0339	0.034	<0.01	<0.05	0.0078	0.0078	-	-	0.0156	1.4	0.00018	0.0085	0.00547
HENSHAW-0	10-Jun-2021	<1	<1	-	-	3.5	-	0.026	0.026	<0.01	<0.05	0.0114	<0.005	-	-	0.0207	2	0.000165	0.0047	0.0048
HENSHAW-0	25-Aug-2021	<1	<1	-	-	4.9	-	<0.02	<0.01	<0.01	<0.05	0.0054	<0.005	-	-	0.0119	1.6	0.000223	0.0054	0.00401
HENSHAW-0	20-Oct-2021	<1	<1	-	-	4.7	-	0.0578	0.058	<0.01	0.052	<0.005	<0.005	-	-	0.104	<3	<0.0005	<0.05	0.0062
HENSHAW-0	20-Oct-2021	<1	<1	-	-	4.8	-	0.0315	0.032	<0.01	0.059	<0.005	<0.005	-	-	0.0276	<3	<0.0005	<0.05	0.0063
HENSHAW-0	8-Dec-2021	<1	<1	-	-	5.6	-	0.0309	0.031	<0.01	0.059	<0.01	<0.01	-	-	0.06	<3	<0.0005	<0.05	0.0068
HENSHAW-10	3-Feb-2021	<1	<1	-	-	5.3	-	0.0395	0.04	<0.01	<0.05	<0.005	<0.005	-	-	0.0221	2	0.000173	0.0053	0.0061
HENSHAW-10	21-Apr-2021	<1	<1	-	-	6	-	0.0401	0.04	<0.01	<0.05	0.0075	0.0075	-	-	0.0217	2.1	0.000163	0.007	0.00636
HENSHAW-10	10-Jun-2021	<1	<1	-	-	3.8	-	0.0296	0.03	<0.01	0.066	<0.005	<0.005	-	-	0.0236	1.9	0.000166	0.0043	0.00458
HENSHAW-10	25-Aug-2021	<1	<1	-	-	7.1	-	<0.02	0.018	<0.01	<0.05	0.0079	0.006	-	-	0.0127	2.5	0.000233	0.0055	0.00502
HENSHAW-10	20-Oct-2021	<1	<1	-	-	5.9	-	0.0256	0.026	<0.01	<0.05	<0.005	<0.005	-	-	0.0304	<3	<0.0005	<0.05	<0.005
HENSHAW-10	8-Dec-2021	<1	<1	-	-	5.6	-	0.18	0.18	<0.01	<0.05	<0.01	<0.01	-	-	0.0455	<3	<0.0005	<0.05	0.0062
HENSHAW-20	3-Feb-2021	<1	<1	-	-	6.5	-	0.0425	0.042	<0.01	<0.05	<0.005	<0.005	-	-	0.0315	2.5	0.00017	0.005	0.00682
HENSHAW-20	3-Feb-2021	<1	<1	-	-	6.4	-	0.0425	0.042	<0.01	<0.05	<0.005	<0.005	-	-	0.0312	2.3	0.000182	0.0048	0.0068
HENSHAW-20	21-Apr-2021	<1	<1	-	-	6.7	-	0.0443	0.044	<0.01	0.064	0.0087	0.0087	-	-	0.0206	2.3	0.000148	0.0068	0.00685
HENSHAW-20	10-Jun-2021	<1	<1	-	-	4.6	-	0.0312	0.031	<0.01	<0.05	0.0064	<0.005	-	-	0.0363	2.3	0.000169	0.0037	0.00478
HENSHAW-20	25-Aug-2021	<1	<1	-	-	4.8	-	0.0297	0.03	<0.01	<0.05	0.007	0.0059	-	-	0.0174	1.8	0.000193	0.005	0.00543
HENSHAW-20	20-Oct-2021	<1	<1	-	-	5.8	-	0.0275	0.028	<0.01	0.053	<0.005	<0.005	-	-	0.0428	<3	<0.0005	<0.05	<0.005
HENSHAW-20	8-Dec-2021	<1	<1	-	-	5.6	-	0.0424	0.042	<0.01	<0.05	<0.01	<0.01	-	-	0.0452	<3	<0.0005	<0.05	0.006
HENSHAW-40	3-Feb-2021	<1	<1	-	-	7.5	-	0.046	0.046	<0.01	<0.05	<0.005	<0.005	-	-	0.035	2.9	0.000188	0.005	0.00742
HENSHAW-40	21-Apr-2021	<1	<1	-	-	8.1	-	0.0461	0.046	<0.01	<0.05	<0.005	<0.005	-	-	0.0215	2.7	0.000161	0.0066	0.00768
HENSHAW-40	10-Jun-2021	<1	<1	-	-	7.4	-	0.0536	0.054	<0.01	<0.05	<0.005	<0.005	-	-	0.0241	3.2	0.000166	0.0044	0.00993
HENSHAW-40	25-Aug-2021	<1	<1	-	-	7.7	-	0.057	0.057	<0.01	<0.05	0.0071	<0.005	-	-	0.0183	2.8	0.000163	0.0047	0.0103
HENSHAW-40	20-Oct-2021	<1	<1	-	-	7.1	-	0.0515	0.052	<0.01	0.084	<0.005	<0.005	-	-	0.0217	<3	<0.0005	<0.05	0.0118
HENSHAW-40	8-Dec-2021	<1	<1	-	-	5.6	-	0.0313	0.031	<0.01	<0.05	<0.01	<0.01	-	-	0.0432	<3	<0.0005	<0.05	0.0073
HENSHAW-60	3-Feb-2021	<1	<1	-	-	7.8	-	0.0481	0.048	<0.01	<0.05	<0.005	<0.005	-	-	0.0338	2.9	0.000178	0.0048	0.00729
HENSHAW-60	21-Apr-2021	<1	<1	-	-	8.7	-	0.0522	0.052	<0.01	<0.05	0.0081	0.0079	-	-	0.0219	3.1	0.000186	0.0063	0.00911
HENSHAW-60	10-Jun-2021	<1	<1	-	-	8	-	0.0561	0.056	<0.01	<0.05	<0.005	<0.005	-	-	0.0255	2.5	0.000152	0.0034	0.0105
HENSHAW-60	25-Aug-2021	<1	<1	-	-	8.4	-	0.0612	0.061	<0.01	<0.05	0.0061	0.0058	-	-	0.0197	2.1	0.000166	0.0049	0.0125
HENSHAW-60	20-Oct-2021	<1	<1	-	-	7.7	-	0.0584	0.058	<0.01	0.053	<0.005	<0.005	-	-	0.024	<3	<0.0005	<0.05	0.0134
HENSHAW-60	8-Dec-2021	<1	<1	-	-	6.3	-	0.036	0.036	<0.01	<0.05	0.0131	<0.01	-	-	0.0333	<3	<0.0005	<0.05	0.0062

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
BL-GOLD	21-Jan-2021	<0.0001	<0.0001	0.000021	9.7	<0.0005	<0.0001	0.00089	<0.01	<0.05	0.00014	1.02	0.00122	0.00015	<0.0004	<0.0002	0.17	<0.0005	<0.0002	2	<0.00005	0.82	0.0138
BL-GOLD	10-Feb-2021	<0.0001	<0.0001	0.000013	10.1	<0.0005	<0.0001	0.00061	<0.01	<0.05	0.0001	0.897	0.00127	0.00014	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	2.2	<0.00005	0.79	0.0143
BL-GOLD	10-Mar-2021	<0.0001	<0.0001	0.000022	10.1	<0.0005	<0.0001	0.00141	0.025	<0.05	0.00024	0.959	0.00232	0.00015	<0.0004	0.00067	0.13	<0.0005	<0.0002	1.7	<0.00005	1.07	0.0138
BL-GOLD	15-Apr-2021	<0.0001	<0.0001	0.000035	10.1	<0.0005	<0.0001	0.00199	0.019	<0.05	<0.0001	1.03	0.00378	0.00014	0.00061	0.0012	0.57	<0.0005	<0.0002	2.1	<0.00005	1.13	0.0145
BL-GOLD	5-May-2021	<0.0001	<0.0001	0.000028	9.32	<0.0005	<0.0001	0.00136	0.1	<0.05	0.00013	0.942	0.00468	0.00034	0.00041	0.00021	0.13	<0.0005	<0.0002	2.2	<0.00005	0.75	0.014
BL-GOLD	2-Jun-2021	<0.0001	<0.0001	0.000039	10.2	<0.0005	<0.0001	0.00138	0.014	<0.05	<0.0001	0.893	0.00196	0.00016	<0.0004	0.0008	0.37	<0.0005	<0.0002	1.5	<0.00005	0.82	0.0136
BL-GOLD	7-Jul-2021	<0.0001	<0.0001	0.000024	9.25	<0.0005	<0.0001	0.00101	0.012	<0.05	<0.0001	0.873	0.00164	0.00013	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.7	<0.00005	0.68	0.0131
BL-GOLD	10-Aug-2021	<0.0001	<0.0001	0.00004	8.68	<0.0005	<0.0001	0.0022	0.046	<0.05	0.00018	0.909	0.00505	0.00025	<0.0004	0.00126	0.14	<0.0005	<0.0002	1.3	<0.00005	0.87	0.0133
BL-GOLD	10-Aug-2021	<0.0001	<0.0001	0.000053	8.48	<0.0005	<0.0001	0.00266	0.044	<0.05	0.00024	0.957	0.00643	0.0003	<0.0004	0.001	0.18	<0.0005	<0.0002	1.3	<0.00005	0.94	0.0144
BL-GOLD	15-Sep-2021	<0.0001	<0.0001	0.000019	8.83	<0.0005	<0.0001	0.00101	0.01	<0.05	0.00014	0.759	0.00166	0.00019	<0.0004	<0.0002	0.11	<0.0005	<0.0002	1.4	<0.00005	0.67	0.012
BL-GOLD	13-Oct-2021	<0.0001	<0.0001	0.000012	9.07	<0.0005	<0.0001	0.00052	<0.01	<0.05	<0.0001	0.86	0.00095	0.00014	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.5	<0.00005	0.69	0.0144
BL-GOLD	15-Nov-2021	<0.0001	<0.0001	0.00002	9.9	<0.0005	<0.0001	0.00099	0.011	<0.05	<0.0001	0.829	0.00104	0.00014	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.7	<0.00005	0.76	0.0127
BL-GOLD	14-Dec-2021	<0.0001	<0.0001	0.00003	9.33	<0.0005	<0.0001	0.0012	0.016	0.053	<0.0001	0.963	0.00239	0.00016	<0.0004	<0.0002	0.2	<0.0005	<0.0002	1.6	<0.00005	0.84	0.0147
DISSIPATER	10-Feb-2021	0.00013	<0.0001	0.0138	67.3	0.00105	0.00817	0.598	2.11	<0.05	0.00103	13.5	1.02	0.00201	0.0125	0.0525	1.89	<0.0005	0.0003	6.1	0.000333	3.68	0.167
DISSIPATER	14-Apr-2021	0.00026	<0.0001	0.0223	82.8	<0.0005	0.0156	0.907	3.2	<0.05	0.00114	25	2.03	0.00247	0.0208	0.0114	2.73	0.00053	<0.0002	8.5	<0.00005	4.79	0.188
DISSIPATER	7-Jul-2021	0.00013	<0.0001	0.0135	78.5	<0.0005	0.00952	0.522	1.1	<0.05	0.0022	12.9	1.21	0.0165	0.0122	0.0229	10.4	0.012	<0.0002	5.6	0.000272	12.9	0.207
DISSIPATER	15-Nov-2021	0.00019	<0.0001	0.0302	85.6	0.00308	0.0166	1.03	8.52	<0.05	0.00247	16.2	1.66	0.00347	0.0352	0.116	6.31	0.0018	<0.0002	5.1	0.000138	10.1	0.187
HENSHAW-0	3-Feb-2021	<0.00001	<0.00001	0.0000322	10.3	0.00026	0.0000151	0.00093	0.0074	<0.01	0.000055	0.847	0.00194	0.000156	0.000118	0.000129	0.101	<0.0001	<0.00005	1.83	<0.00001	0.76	0.0156
HENSHAW-0	21-Apr-2021	<0.00001	<0.00001	0.0000271	8.84	0.00016	0.0000138	0.00163	0.0095	<0.01	<0.00005	0.908	0.00245	0.000174	0.00008	0.00067	0.132	<0.0001	<0.00005	1.65	<0.00001	0.733	0.0142
HENSHAW-0	10-Jun-2021	<0.00001	<0.00001	0.00002	9.51	0.0002	0.0000152	0.00074	0.0474	0.011	0.00006	0.923	0.00169	0.000159	0.000093	0.000102	0.092	<0.0001	<0.00005	1.8	<0.00001	0.748	0.0132
HENSHAW-0	25-Aug-2021	<0.00001	<0.00001	0.0000151	9.64	0.00027	0.00001	0.00069	0.012	<0.01	0.000084	0.825	0.00216	0.000199	0.000117	<0.00005	0.096	<0.0001	<0.00005	1.49	<0.00001	0.714	0.0134
HENSHAW-0	20-Oct-2021	<0.0001	<0.0001	0.000029	9.08	<0.0005	<0.0001	0.00135	0.015	<0.05	<0.0001	0.757	0.00246	0.00018	0.00046	0.00039	0.11	<0.0005	<0.0002	1.3	<0.00005	0.74	0.0135
HENSHAW-0	20-Oct-2021	<0.0001	<0.0001	0.000032	9.35	<0.0005	<0.0001	0.00092	0.017	<0.05	<0.0001	0.768	0.00165	0.00019	<0.0004	0.00066	0.13	<0.0005	<0.0002	1.3	<0.00005	0.75	0.0135
HENSHAW-0	8-Dec-2021	<0.0001	<0.0001	0.000074	9.21	<0.0005	<0.0001	0.00227	0.037	<0.05	0.00051	0.809	0.00424	0.00019	<0.0004	0.00105	0.2	<0.0005	<0.0002	1.3	<0.00005	0.98	0.0139
HENSHAW-10	3-Feb-2021	<0.00001	<0.00001	0.0000352	10.5	0.00017	0.0000161	0.00097	0.0094	<0.01	0.000084	0.837	0.00219	0.000156	0.000067	0.000058	0.109	<0.0001	<0.00005	1.76	<0.00001	0.781	0.0161
HENSHAW-10	21-Apr-2021	<0.00001	<0.00001	0.0000322	9.27	0.0002	0.0000152	0.0008	0.0189	<0.01	<0.00005	0.911	0.00408	0.000166	0.000139	<0.00005	0.103	<0.0001	<0.00005	1.64	<0.00001	0.771	0.0161
HENSHAW-10	10-Jun-2021	<0.00001	<0.00001	0.0000249	8.93	0.00024	0.0000157	0.00069	0.0182	<0.01	0.000062	0.834	0.00191	0.00017	0.000106	0.000052	0.103	<0.0001	0.000072	1.53	<0.00001	0.774	0.0131
HENSHAW-10	25-Aug-2021	<0.00001	<0.00001	0.0000268	10.6	0.0002	0.000018	0.00076	0.0202	<0.01	0.0001	0.899	0.00437	0.000263	0.000066	<0.00005	0.138	<0.0001	<0.00005	1.47	<0.00001	0.834	0.0162
HENSHAW-10	20-Oct-2021	<0.0001	<0.0001	0.000012	9.22	<0.0005	<0.0001	0.00084	0.015	<0.05	<0.0001	0.701	0.00215	0.00018	<0.0004	<0.0002	0.11	<0.0005	<0.0002	1.3	<0.00005	0.77	0.0144
HENSHAW-10	8-Dec-2021	<0.0001	<0.0001	0.000038	9.31	<0.0005	<0.0001	0.00137	0.03	<0.05	0.0001	0.758	0.00353	0.00019	<0.0004	<0.0002	0.11	<0.0005	<0.0002	1.3	<0.00005	0.89	0.014
HENSHAW-20	3-Feb-2021	<0.00001	<0.00001	0.0000474	10.9	0.00019	0.0000227	0.00129	0.0144	<0.01	0.000067	0.828	0.0033	0.00018	0.000089	0.000093	0.127	<0.0001	0.000062	1.72	<0.00001	0.848	0.018
HENSHAW-20	3-Feb-2021	<0.00001	<0.00001	0.0000498	11.1	0.00021	0.0000238	0.0015	0.0108	<0.01	0.000066	0.836	0.00326	0.000183	0.000076	0.000087	0.123	<0.0001	0.000056	1.78	<0.00001	0.846	0.018
HENSHAW-20	21-Apr-2021	<0.00001	<0.00001	0.0000365	9.49	0.00015	0.0000204	0.00085	0.0171	<0.01	0.00006	0.912	0.00461	0.00026	0.00007	0.000061	0.112	0.00012	<0.00005	1.6	<0.00001	0.804	0.0168
HENSHAW-20	10-Jun-2021	<0.00001	<0.00001	0.0000285	8.17	0.00017	0.0000187	0.00085	0.0152	<0.01	0.000075	0.68	0.00283	0.000347	0.000191	0.000081	0.122	<0.0001	0.000054	1.4	<0.00001	0.832	0.0131
HENSHAW-20	25-Aug-2021	<0.00001	<0.00001	0.0000213	9.76	0.00023	0.0000425	0.00063	0.0092	<0.01	0.00007	0.753	0.0022	0.000155	0.000159	<0.00005	0.08	<0.0001	<0.00005	1.5	<0.00001	0.683	0.0135
HENSHAW-20	20-Oct-2021	<0.0001	<0.0001	0.000034	8.79	<0.0005	<0.0001	0.00098	0.02	<0.05	<0.0001	0.674	0.00276	0.00017	<0.0004	<0.0002	0.1	<0.0005	<0.0002	1.2	<0.00005	0.74	0.0133
HENSHAW-20	8-Dec-2021	<0.0001	<0.0001	0.000024	9.07	0.00053	<0.0001	0.00541	0.066	<0.05	0.00018	0.73	0.00394	0.00017	<0.0004	<0.0002	0.11	<0.0005	<0.0002	1.2	<0.00005	0.77	0.0139
HENSHAW-40	3-Feb-2021	<0.00001	<0.00001	0.0000626	11.6	0.00017	0.0000209	0.00143	0.012	<0.01	0.000083	0.852	0.00375	0.00018	0.000095	0.000106	0.132	0.00012	<0.00005	1.79	<0.00001	0.891	0.0191
HENSHAW-40	21-Apr-2021	<0.00001	<0.00001	0.0000437	10.1	0.00016	0.0000197	0.00106	0.0172	<0.01	0.000066	0.916	0.00466	0.000217	0.000146	0.000092	0.122	0.00011	<0.00005	1.45	<0.00001	0.836	0.0188
HENSHAW-40	10-Jun-2021	<0.00001	<0.00001	0.0000357	10.9	0.00023	0.0000197	0.00103	0.0166	<0.01	0.000086	0.944	0.00536	0.000265	0.000167	0.000089	0.155	0.00011	<0.00005	1.66	<0.00001	0.952	0.0184
HENSHAW-40	25-Aug-2021	<0.00001	<0.00001	0.0000375	11.1	0.00017	0.000012	0.00085	0.012	<0.01	0.000089	0.827	0.00394	0.000202	0.000116	0.000164	0.117	<0.0001	<0.00005	1.62	<0.00001	0.817	0.0177
HENSHAW-40	20-Oct-2021	<0.0001	<0.0001	0.000032	10.7	<0.0005	<0.0001	0.00087	0.013	<0.05	<0.0001	0.825	0.00425	0.00019	<0.0004	<0.0002	0.11	<0.0005	<0.0002	1.6	<0.00005	0.82	0.0178
HENSHAW-40	8-Dec-2021	<0.0001	<0.0001	0.000049	9.12	<0.0005	<0.0001	0.00143	0.021	0.097	<0.0001	0.738	0.00369	0.00021	<0.0004	<0.0002	0.11	<0.0005	<0.0002	1.3	<0.00005	0.78	0.0134
HENSHAW-60	3-Feb-2021	<0.00001	<0.00001	0.0000584	11.3	0.00019	0.000026	0.00146	0.0141	<0.01	0.000074	0.839	0.00399	0.000198	0.00012	0.000103	0.131	<0.0001	<0.00005	1.71	<0.00001	0.861	0.0192
HENSHAW-60	21-Apr-2021	<0.00001	<0.00001	0.000051	10.3	0.00012	0.0000207	0.00109	0.0142	<0.01	0.000062	0.953	0.00453	0.00022	0.000082	0.000085	0.131	0.00011	<0.00005	1.63	<0.00001	0.883	0.02
HENSHAW-60	10-Jun-2021	<0.00001	<0.00001	0.0000491	12	0.00017	0.0000239	0.00103	0.0173	0.014	0.000109	1.02	0.00631	0.000255	0.000149	0.00011	0.152	<0.0001	<0.00005	1.86	<0.00001	1	0.0205
HENSHAW-60	25-Aug-2021	<0.00001	<0.00001	0.0000377	11.7	0.00021	0.0000163	0.00091	0.0198	<0.01	0.000097	0.864	0.00608	0.000213	0.000097	<0.00005	0.12	<0.0001	<0.00005	1.7	<0.00001	0.863	0.0192
HENSHAW-60	20-Oct-2021	<0.0001	<0.0001	0.000011	11.5	<0.0005	<0.0001	0.00112	0.035	<0.05	<0.0001	0.914	0.00626	0.00021	<0.0004	<0.0002	0.12	<0.0005	<0.0002	1.8	<0.00005	0.89	0.0192
HENSHAW-60	8-Dec-2021	<0.0001	<0.0001	0.000062	9.37	<0.0005	<0.0001	0.00121	<0.01	<0.05	0.00019	0.78	0.00285	0.00017	<0.0004	<0.0002	0.16	<0.0005	<0.0002	1.3	<0.00005	0.8	0.014

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
BL-GOLD	21-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0069	<0.0001	-	0.0113	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000025	9.11	0.00091	<0.0001	0.00101	<0.01
BL-GOLD	10-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0049	<0.0001	-	0.01	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000027	9.49	<0.0005	<0.0001	0.00041	<0.01
BL-GOLD	10-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0065	<0.0001	-	0.0081	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000014	6.83	<0.0005	<0.0001	0.00063	<0.01
BL-GOLD	15-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0134	<0.0001	<0.00001	0.0109	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000013	9.46	<0.0005	<0.0001	0.0006	<0.01
BL-GOLD	5-May-2021	<0.0005	<0.00002	<0.0001	0.0105	<0.001	<0.00002	<0.001	0.0097	<0.0001	-	0.0135	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000018	9.74	<0.0005	<0.0001	0.00068	<0.01
BL-GOLD	2-Jun-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.011	<0.0001	-	0.013	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000021	9.9	<0.0005	<0.0001	<0.0004	<0.01
BL-GOLD	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0071	<0.0001	<0.00001	0.0127	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000017	10.1	<0.0005	<0.0001	0.00045	<0.01
BL-GOLD	10-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0021	0.0104	<0.0001	-	0.0151	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	7.81	<0.0005	<0.0001	0.00054	<0.01
BL-GOLD	10-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0026	0.0142	<0.0001	-	0.015	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	7.99	<0.0005	<0.0001	0.0005	<0.01
BL-GOLD	15-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.007	<0.0001	-	0.0166	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000018	9.58	<0.0005	<0.0001	0.00078	<0.01
BL-GOLD	13-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0044	<0.0001	-	0.0122	3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000016	8.78	<0.0005	<0.0001	0.0005	<0.01
BL-GOLD	15-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0068	<0.0001	<0.00001	0.0118	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	8.89	<0.0005	<0.0001	<0.0004	<0.01
BL-GOLD	14-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0086	<0.0001	-	<0.005	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.00002	9.2	<0.0005	<0.0001	0.00058	<0.01
DISSIPATER	10-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000078	<0.001	4.98	<0.0001	-	0.284	74.8	<0.0005	<0.05	<0.0001	<0.0001	0.0263	0.0123	64.9	<0.0005	0.00793	0.478	1.5
DISSIPATER	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000098	<0.001	9.24	<0.0001	<0.00001	1.01	104	<0.0005	<0.05	0.00015	<0.0001	0.0189	0.0211	79.3	<0.0005	0.015	0.808	2.78
DISSIPATER	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000106	<0.001	4.89	<0.0001	<0.00001	0.0734	102	0.00059	0.0675	<0.0001	<0.0001	0.0296	0.0117	74.4	<0.0005	0.00829	0.39	0.448
DISSIPATER	15-Nov-2021	<0.0005	0.000028	<0.0001	0.0058	<0.001	0.000428	<0.001	7.61	<0.0001	<0.00001	3.82	108	<0.0005	<0.05	0.00018	<0.0001	0.026	0.0272	82.8	0.00058	0.0146	0.885	4.01
HENSHAW-0	3-Feb-2021	<0.00005	<0.000004	<0.00001	0.00027	<0.0002	0.0000104	0.00152	0.0105	<0.00002	-	0.0164	1.78	0.000142	0.0039	<0.00001	<0.00001	0.0056	0.0000314	9.95	0.00016	0.0000122	0.0013	0.0032
HENSHAW-0	21-Apr-2021	<0.00005	<0.000004	<0.00001	0.00022	<0.0002	0.0000121	0.0006	0.0083	<0.00002	-	0.0176	1.8	0.000161	0.0043	<0.00001	<0.00001	0.00493	0.0000248	9.6	0.00016	0.0000127	0.00225	0.0068
HENSHAW-0	10-Jun-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000155	0.00032	0.0106	<0.00002	-	0.0161	1.06	0.000131	0.0033	<0.00001	<0.00001	0.00476	0.0000158	9.95	0.00021	0.0000089	0.00058	0.0029
HENSHAW-0	25-Aug-2021	0.00011	<0.000004	<0.00001	<0.0002	<0.0002	0.0000117	0.00037	0.0068	<0.00002	-	0.0076	1.87	0.000176	0.0043	<0.00001	<0.00001	0.00385	0.0000129	9.16	0.00019	<0.000005	0.00055	0.0044
HENSHAW-0	20-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0104	<0.0001	-	0.0149	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000024	8.8	<0.0005	<0.0001	0.00056	<0.01
HENSHAW-0	20-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0134	<0.0001	-	0.0168	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.00003	8.77	<0.0005	<0.0001	0.00055	<0.01
HENSHAW-0	8-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0367	<0.0001	-	<0.005	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0053	0.000045	8.89	<0.0005	<0.0001	0.00113	<0.01
HENSHAW-10	3-Feb-2021	<0.00005	0.0000065	<0.00001	0.00026	<0.0002	0.0000155	0.00156	0.0123	<0.00002	-	0.0169	1.77	0.00013	0.0037	<0.00001	<0.00001	0.00565	0.0000344	10.1	0.00015	0.0000103	0.00077	0.003
HENSHAW-10	21-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000138	0.00055	0.0099	<0.00002	-	0.0188	2.34	0.000161	0.0039	<0.00001	<0.00001	0.00684	0.0000369	10.4	0.00013	0.0000148	0.00151	0.0139
HENSHAW-10	10-Jun-2021	<0.00005	<0.000004	<0.00001	0.00023	<0.0002	0.0000139	<0.0002	0.0082	<0.00002	-	0.0215	<1	0.000141	0.0028	<0.00001	<0.00001	0.00476	0.0000214	9.42	0.00019	0.0000118	0.00066	0.0042
HENSHAW-10	25-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000113	0.00038	0.0133	<0.00002	-	0.0081	2.42	0.000195	0.0046	<0.00001	<0.00001	0.00447	0.0000218	10.1	0.0002	<0.000005	0.00064	0.0081
HENSHAW-10	20-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0118	<0.0001	-	0.0221	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0052	0.000028	9.12	<0.0005	<0.0001	0.0007	<0.01
HENSHAW-10	8-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0151	<0.0001	-	<0.005	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0054	0.000053	8.98	<0.0005	<0.0001	0.00113	0.01
HENSHAW-20	3-Feb-2021	<0.00005	<0.000004	<0.00001	0.00025	<0.0002	0.0000114	0.00152	0.017	<0.00002	-	0.0234	2.26	0.000142	0.0036	<0.00001	<0.00001	0.00654	0.0000456	10.2	0.00017	0.0000151	0.00102	0.0048
HENSHAW-20	3-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000108	0.00144	0.0171	<0.00002	-	0.0226	2.37	0.000153	0.0036	<0.00001	<0.00001	0.00662	0.0000445	10.2	0.00019	0.0000141	0.00098	0.006
HENSHAW-20	21-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000013	0.00059	0.0113	<0.00002	-	0.0191	2.8	0.000162	0.004	<0.00001	<0.00001	0.00758	0.0000404	10.8	0.00016	0.0000189	0.00138	0.0148
HENSHAW-20	10-Jun-2021	<0.00005	<0.000004	<0.00001	0.0005	<0.0002	0.0000136	<0.0002	0.0124	<0.00002	-	0.031	1.1	0.000148	0.0023	<0.00001	<0.00001	0.00473	0.00003	8.67	0.0002	0.0000148	0.00074	0.0064
HENSHAW-20	25-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000119	0.00032	0.0092	<0.00002	-	0.0099	1.59	0.000163	0.0036	<0.00001	<0.00001	0.0051	0.0000176	8.98	0.0002	0.000006	0.00056	0.0031
HENSHAW-20	20-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0127	<0.0001	-	0.0295	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000026	8.66	<0.0005	<0.0001	0.00069	<0.01
HENSHAW-20	8-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0219	<0.0001	-	<0.005	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0054	0.000028	8.97	<0.0005	<0.0001	0.00131	<0.01
HENSHAW-40	3-Feb-2021	<0.00005	<0.000004	<0.00001	0.00026	<0.0002	0.0000118	0.00144	0.0211	<0.00002	-	0.0246	2.58	0.000136	0.0035	<0.00001	<0.00001	0.0067	0.0000566	10.4	0.00016	0.000016	0.00113	0.0051
HENSHAW-40	21-Apr-2021	<0.00005	<0.000004	<0.00001	0.00027	<0.0002	0.0000137	0.00051	0.0146	<0.00002	-	0.0178	2.87	0.000149	0.0039	<0.00001	<0.00001	0.00757	0.0000445	11.1	0.00013	0.0000142	0.00145	0.0091
HENSHAW-40	10-Jun-2021	<0.00005	<0.000004	<0.00001	0.00027	<0.0002	0.0000134	<0.0002	0.0144	<0.00002	-	0.0189	2.3	0.000127	0.0029	<0.00001	<0.00001	0.00941	0.0000401	11.8	0.0002	0.0000094	0.00091	0.0064
HENSHAW-40	25-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000012	0.00025	0.0137	<0.00002	-	0.0122	2.6	0.000126	0.0037	<0.00001	<0.00001	0.00951	0.0000326	10.6	0.00016	0.0000059	0.00067	0.0037
HENSHAW-40	20-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.013	<0.0001	-	0.0123	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0129	0.000039	10.4	<0.0005	<0.0001	0.00067	0.017
HENSHAW-40	8-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0195	<0.0001	-	<0.005	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0053	0.000053	9.02	<0.0005	0.00034	0.00116	<0.01
HENSHAW-60	3-Feb-2021	<0.00005	<0.000004	<0.00001	0.00024	<0.0002	0.0000119	0.00142	0.0207	<0.00002	-	0.0242	3.15	0.000146	0.0035	<0.00001	<0.00001	0.00697	0.0000547	10.4	0.00018	0.0000174	0.00123	0.0047
HENSHAW-60	21-Apr-2021	<0.00005	<0.000004	<0.00001	0.00022	<0.0002	0.0000132	0.00055	0.016	<0.00002	-	0.0168	3.2	0.00014	0.004	<0.00001	<0.00001	0.00871	0.0000526	11	0.00016	0.0000148	0.00149	0.0066
HENSHAW-60	10-Jun-2021	<0.00005	<0.000004	<0.00001	0.00035	<0.0002	0.0000142	<0.0002	0.0225	<0.00002	-	0.0169	2.7	0.000101	0.0031	<0.00001	<0.00001	0.0121	0.0000401	12.3	0.00018	0.0000117	0.001	0.007
HENSHAW-60	25-Aug-2021	<0.00005	<0.000004	<0.00001	0.00056	<0.0002	0.0000116	0.00032	0.0129	<0.00002	-	0.0112	2.47	0.000117	0.0036	<0.00001	<0.00001	0.0113	0.0000346	10.8	0.00016	0.0000057	0.00074	0.0048
HENSHAW-60	20-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0148	<0.0001	-	0.0128	3.1	<0.0005	<0.05	<0.0001	<0.0001	0.0143	0.000036	10.8	<0.0005	<0.0001	0.00064	<0.01
HENSHAW-60	8-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0186	<0.0001	-	<0.005	3.2	<0.0005	<0.05	<0.0001	<0.0001	0.0059	0.000044	9.31	<0.0005	<0.0001	0.00132	0.016

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
BL-GOLD	21-Jan-2021	<0.05	<0.0001	0.975	0.00147	0.00016	0.00075	<0.0002	0.19	<0.0002	<0.0005	2.2	0.0131	<0.0002	<0.00005	0.83	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
BL-GOLD	10-Feb-2021	<0.05	<0.0001	0.832	0.00068	0.00011	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.7	0.0134	<0.0002	<0.00005	0.66	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
BL-GOLD	10-Mar-2021	<0.05	<0.0001	0.669	0.00094	0.00011	<0.0004	<0.0002	0.1	<0.0002	<0.0005	1.5	0.0119	<0.0002	<0.00005	0.56	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
BL-GOLD	15-Apr-2021	<0.05	0.0001	0.89	0.00163	0.00012	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.9	0.0134	<0.0002	<0.00005	0.79	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
BL-GOLD	5-May-2021	<0.05	0.00011	0.919	0.00138	0.0001	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.8	0.0132	<0.0002	<0.00005	0.69	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
BL-GOLD	2-Jun-2021	<0.05	0.00013	0.91	0.00118	0.00016	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.8	0.0132	<0.0002	<0.00005	0.69	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
BL-GOLD	7-Jul-2021	<0.05	<0.0001	0.91	0.00045	0.00013	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.5	0.0122	<0.0002	<0.00005	0.69	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
BL-GOLD	10-Aug-2021	<0.05	<0.0001	0.833	0.0004	0.00014	<0.0004	<0.0002	<0.1	0.00033	<0.0005	1.5	0.0116	<0.0002	<0.00005	0.61	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
BL-GOLD	10-Aug-2021	<0.05	<0.0001	0.839	0.00029	0.00013	<0.0004	<0.0002	<0.1	0.00036	0.00061	1.7	0.0117	<0.0002	<0.00005	0.64	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
BL-GOLD	15-Sep-2021	<0.05	<0.0001	0.811	0.00079	0.00018	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.3	0.0118	<0.0002	<0.00005	0.71	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
BL-GOLD	13-Oct-2021	<0.05	<0.0001	0.772	0.00036	0.00012	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.5	0.0129	<0.0002	<0.00005	0.64	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
BL-GOLD	15-Nov-2021	<0.05	<0.0001	0.969	0.00044	0.00013	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.6	0.011	<0.0002	<0.00005	0.74	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
BL-GOLD	14-Dec-2021	<0.05	<0.0001	0.876	0.00063	0.00012	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.5	0.013	<0.0002	<0.00005	0.72	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
DISSIPATER	10-Feb-2021	<0.05	0.00092	14.6	0.944	0.00163	0.0124	0.00454	1.86	0.00153	<0.0005	5.1	0.162	<0.0002	<0.00005	3.96	0.0008	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
DISSIPATER	14-Apr-2021	<0.05	0.00112	21.6	1.92	0.00219	0.0197	0.00132	2.48	0.00178	0.00052	7.5	0.177	<0.0002	<0.00005	4.61	0.00146	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000057
DISSIPATER	7-Jul-2021	<0.05	0.00207	12.7	1.11	0.0142	0.0105	0.00321	10.6	0.0235	0.0093	4.8	0.189	<0.0002	0.000148	13.3	0.0207	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00003
DISSIPATER	15-Nov-2021	<0.05	0.00254	14.4	1.47	<0.0001	0.0211	0.0671	5.75	0.00556	0.00087	4.3	0.162	<0.0002	<0.00005	9.47	0.002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000366
HENSHAW-0	3-Feb-2021	<0.01	<0.00005	0.841	0.0012	0.000136	0.000158	0.000249	0.114	0.000061	<0.0001	1.61	0.0152	<0.00005	<0.00001	0.782	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000109
HENSHAW-0	21-Apr-2021	<0.01	<0.00005	0.928	0.00217	0.000222	0.000187	0.00048	0.069	0.000111	<0.0001	2.02	0.0145	0.000071	<0.00001	0.753	0.000072	0.000053	<0.000004	<0.00001	<0.0002	<0.0002	0.0000126
HENSHAW-0	10-Jun-2021	<0.01	<0.00005	0.863	0.000979	0.00013	0.000056	0.000054	0.076	0.000088	<0.0001	1.6	0.0138	<0.00005	<0.00001	0.7	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000149
HENSHAW-0	25-Aug-2021	0.01	0.000065	0.778	0.000532	0.000187	0.000042	<0.00005	0.098	0.000083	<0.0001	1.36	0.0125	<0.00005	<0.00001	0.678	0.000069	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000108
HENSHAW-0	20-Oct-2021	<0.05	<0.0001	0.813	0.00048	0.0002	<0.0004	<0.0002	0.12	<0.0002	<0.0005	1.5	0.0125	<0.0002	<0.00005	0.77	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
HENSHAW-0	20-Oct-2021	<0.05	<0.0001	0.855	0.00038	0.00041	<0.0004	<0.0002	0.11	<0.0002	<0.0005	1.8	0.0131	<0.0002	<0.00005	0.8	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
HENSHAW-0	8-Dec-2021	<0.05	0.00033	0.732	0.00192	0.00018	<0.0004	<0.0002	0.13	<0.0002	<0.0005	1.3	0.0137	<0.0002	<0.00005	0.81	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
HENSHAW-10	3-Feb-2021	<0.01	<0.00005	0.826	0.00119	0.000148	0.000061	<0.00005	0.101	0.000063	<0.0001	1.58	0.0155	<0.00005	<0.00001	0.764	0.000056	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000107
HENSHAW-10	21-Apr-2021	<0.01	0.000062	0.931	0.00451	0.000215	0.000167	0.000155	0.096	0.000074	<0.0001	1.9	0.0202	0.000073	<0.00001	0.855	0.000085	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000134
HENSHAW-10	10-Jun-2021	<0.01	0.000063	0.777	0.00135	0.000152	0.000083	0.00006	0.099	0.000093	<0.0001	1.47	0.014	0.00006	<0.00001	0.739	0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000133
HENSHAW-10	25-Aug-2021	<0.01	0.000084	0.831	0.00107	0.000214	0.000083	<0.00005	0.133	0.000131	0.00011	1.3	0.0145	<0.00005	<0.00001	0.771	0.000116	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000107
HENSHAW-10	20-Oct-2021	<0.05	<0.0001	0.788	0.00058	0.00022	<0.0004	<0.0002	0.14	<0.0002	<0.0005	1.5	0.0142	<0.0002	<0.00005	0.85	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
HENSHAW-10	8-Dec-2021	0.08	<0.0001	0.703	0.0019	0.00015	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.4	0.0134	<0.0002	<0.00005	0.72	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
HENSHAW-20	3-Feb-2021	<0.01	<0.00005	0.809	0.00178	0.000156	0.000072	<0.00005	0.119	0.000065	<0.0001	1.58	0.0168	<0.00005	<0.00001	0.822	0.000055	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000112
HENSHAW-20	3-Feb-2021	<0.01	<0.00005	0.833	0.00174	0.00017	0.000082	<0.00005	0.116	0.000075	<0.0001	1.54	0.017	<0.00005	<0.00001	0.827	0.000052	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000109
HENSHAW-20	21-Apr-2021	<0.01	0.000074	0.947	0.00458	0.000228	0.000308	<0.00005	0.1	0.000087	<0.0001	1.77	0.0196	0.000064	<0.00001	0.891	0.000091	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000142
HENSHAW-20	10-Jun-2021	<0.01	0.000057	0.642	0.00171	0.000195	0.000071	<0.00005	0.095	0.000098	<0.0001	1.31	0.0141	<0.00005	<0.00001	0.77	0.000064	0.000117	<0.000004	<0.00001	<0.0002	<0.0002	0.0000134
HENSHAW-20	25-Aug-2021	<0.01	0.000065	0.73	0.000761	0.000156	0.000052	<0.00005	0.086	0.000053	<0.0001	1.39	0.0127	<0.00005	<0.00001	0.666	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000012
HENSHAW-20	20-Oct-2021	<0.05	<0.0001	0.746	0.00106	0.00015	<0.0004	<0.0002	0.12	<0.0002	<0.0005	1.5	0.0133	<0.0002	<0.00005	0.79	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
HENSHAW-20	8-Dec-2021	0.065	<0.0001	0.704	0.00201	0.00018	<0.0004	<0.0002	0.1	<0.0002	<0.0005	1.3	0.0134	<0.0002	<0.00005	0.76	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
HENSHAW-40	3-Feb-2021	<0.01	0.000054	0.818	0.00211	0.000165	0.000071	<0.00005	0.125	0.000075	<0.0001	1.52	0.0175	<0.00005	<0.00001	0.843	0.000052	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000114
HENSHAW-40	21-Apr-2021	<0.01	0.000069	0.96	0.00314	0.000231	0.00029	0.000055	0.097	0.000112	<0.0001	1.83	0.0196	0.00281	<0.00001	0.886	0.0001	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000133
HENSHAW-40	10-Jun-2021	<0.01	0.000093	0.894	0.00245	0.000208	0.000084	0.000054	0.139	0.000128	<0.0001	1.69	0.0201	<0.00005	<0.00001	0.89	0.000092	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000131
HENSHAW-40	25-Aug-2021	<0.01	0.000074	0.777	0.00058	0.000168	0.000098	0.000056	0.115	0.000076	<0.0001	1.57	0.0165	<0.00005	<0.00001	0.78	0.000075	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000109
HENSHAW-40	20-Oct-2021	<0.05	<0.0001	0.898	0.00122	0.00017	<0.0004	<0.0002	0.13	<0.0002	<0.0005	1.8	0.017	<0.0002	<0.00005	0.87	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
HENSHAW-40	8-Dec-2021	<0.05	<0.0001	0.702	0.0021	0.00015	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.3	0.013	<0.0002	<0.00005	0.74	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
HENSHAW-60	3-Feb-2021	<0.01	0.000053	0.832	0.00228	0.000191	0.000071	<0.00005	0.13	0.000084	<0.0001	1.52	0.0183	0.00005	<0.00001	0.863	0.000054	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000114
HENSHAW-60	21-Apr-2021	<0.01	0.000078	0.959	0.00303	0.000234	0.000296	<0.00005	0.101	0.000095	<0.0001	1.88	0.0205	0.000063	<0.00001	0.905	0.000086	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000121
HENSHAW-60	10-Jun-2021	<0.01	0.000086	0.941	0.00344	0.000225	0.000102	0.000325	0.143	0.000096	<0.0001	1.76	0.0213	<0.00005	<0.00001	0.898	0.000092	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000125
HENSHAW-60	25-Aug-2021	<0.01	0.000084	0.809	0.00169	0.000208	0.00005	<0.00005	0.119	0.000088	<0.0001	1.58	0.0173	<0.00005	<0.00001	0.808	0.000089	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000105
HENSHAW-60	20-Oct-2021	<0.05	<0.0001	0.954	0.00219	0.00021	<0.0004	<0.0002	0.14	<0.0002	<0.0005	1.9	0.0185	<0.0002	<0.00005	0.94	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
HENSHAW-60	8-Dec-2021	<0.05	<0.0001	0.749	0.00409	0.00014	<0.0004	<0.0002	0.1	<0.0002	<0.0005	1.4	0.0144	<0.0002	<0.00005	0.77	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BL-GOLD	21-Jan-2021	<0.001	0.0063	<0.0001	-	-	-	-	-
BL-GOLD	10-Feb-2021	<0.001	0.0045	<0.0001	-	-	-	-	-
BL-GOLD	10-Mar-2021	<0.001	0.0045	<0.0001	-	-	-	-	-
BL-GOLD	15-Apr-2021	<0.001	<0.004	<0.0001	<0.00001	-	-	-	-
BL-GOLD	5-May-2021	<0.001	0.0061	<0.0001	-	-	-	-	-
BL-GOLD	2-Jun-2021	0.001	<0.004	<0.0001	-	-	-	-	-
BL-GOLD	7-Jul-2021	<0.001	<0.004	<0.0001	<0.00001	-	-	-	-
BL-GOLD	10-Aug-2021	<0.001	<0.004	<0.0001	-	-	-	-	-
BL-GOLD	10-Aug-2021	<0.001	<0.004	<0.0001	-	-	-	-	-
BL-GOLD	15-Sep-2021	<0.001	0.0058	<0.0001	-	-	-	-	-
BL-GOLD	13-Oct-2021	<0.001	0.0041	<0.0001	-	-	-	-	-
BL-GOLD	15-Nov-2021	<0.001	<0.004	<0.0001	<0.00001	-	-	-	-
BL-GOLD	14-Dec-2021	<0.001	0.0046	<0.0001	-	-	-	-	-
DISSIPATER	10-Feb-2021	<0.001	4.78	<0.0001	-	-	-	-	-
DISSIPATER	14-Apr-2021	<0.001	8.73	<0.0001	<0.00001	-	-	-	-
DISSIPATER	7-Jul-2021	<0.001	4.4	<0.0001	<0.00001	-	-	-	-
DISSIPATER	15-Nov-2021	<0.001	7.07	<0.0001	<0.00001	-	-	-	-
HENSHAW-0	3-Feb-2021	<0.0002	0.0134	<0.00002	-	3.54	-	0.00039	-
HENSHAW-0	21-Apr-2021	0.00038	0.0096	<0.00002	-	3.75	-	<0.001	-
HENSHAW-0	10-Jun-2021	<0.0002	0.0056	<0.00002	-	3.25	-	<0.001	-
HENSHAW-0	25-Aug-2021	0.00021	0.0052	<0.00002	-	2.75	-	0.00024	-
HENSHAW-0	20-Oct-2021	<0.001	0.009	<0.0001	-	3.23	-	<0.001	-
HENSHAW-0	20-Oct-2021	<0.001	0.0073	<0.0001	-	3.23	-	-	-
HENSHAW-0	8-Dec-2021	<0.001	0.0173	<0.0001	-	3.19	-	0.00012	-
HENSHAW-10	3-Feb-2021	<0.0002	0.0107	<0.00002	-	3.5	-	-	-
HENSHAW-10	21-Apr-2021	0.00034	0.0125	<0.00002	-	3.67	-	<0.001	-
HENSHAW-10	10-Jun-2021	<0.0002	0.017	<0.00002	-	3.01	-	-	-
HENSHAW-10	25-Aug-2021	<0.0002	0.0119	<0.00002	-	2.87	-	-	-
HENSHAW-10	20-Oct-2021	<0.001	0.0118	<0.0001	-	2.9	-	-	-
HENSHAW-10	8-Dec-2021	<0.001	0.0146	<0.0001	-	3.19	-	-	-
HENSHAW-20	3-Feb-2021	<0.0002	0.0155	<0.00002	-	3.37	-	-	-
HENSHAW-20	3-Feb-2021	0.00026	0.0142	<0.00002	-	3.37	-	-	-
HENSHAW-20	21-Apr-2021	0.00037	0.0187	<0.00002	-	3.59	-	<0.001	-
HENSHAW-20	10-Jun-2021	<0.0002	0.0122	<0.00002	-	2.59	-	-	-
HENSHAW-20	25-Aug-2021	<0.0002	0.0082	<0.00002	-	3	-	-	-
HENSHAW-20	20-Oct-2021	<0.001	0.0111	<0.0001	-	2.98	-	-	-
HENSHAW-20	8-Dec-2021	<0.001	0.0148	<0.0001	-	3.19	-	-	-
HENSHAW-40	3-Feb-2021	<0.0002	0.0182	<0.00002	-	3.29	-	-	-
HENSHAW-40	21-Apr-2021	0.00035	0.0151	<0.00002	-	3.63	-	<0.004	-
HENSHAW-40	10-Jun-2021	<0.0002	0.0153	<0.00002	-	3.3	-	-	-
HENSHAW-40	25-Aug-2021	<0.0002	0.0122	<0.00002	-	3.32	-	-	-
HENSHAW-40	20-Oct-2021	<0.001	0.0118	<0.0001	-	3.56	-	-	-
HENSHAW-40	8-Dec-2021	<0.001	0.0156	<0.0001	-	3.27	-	-	-
HENSHAW-60	3-Feb-2021	<0.0002	0.019	<0.00002	-	3.33	-	-	-
HENSHAW-60	21-Apr-2021	0.00036	0.0159	<0.00002	-	3.55	-	<0.001	-
HENSHAW-60	10-Jun-2021	<0.0002	0.0159	<0.00002	-	3.34	-	-	-
HENSHAW-60	25-Aug-2021	<0.0002	0.0111	<0.00002	-	3.49	-	-	-
HENSHAW-60	20-Oct-2021	<0.001	0.0124	<0.0001	-	3.69	-	-	-
HENSHAW-60	8-Dec-2021	<0.001	0.0218	<0.0001	-	3.32	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21D0779	2	No	Regular	HW STP (E311008)	HW STP	7-Apr-2021	-	-	-	-	-	19.7	-	-	-	-
21K3316	2	No	Regular	HW STP (EM ID #E311008)	HW STP	24-Nov-2021	-	-	-	-	-	25.9	-	-	-	-
21B0557	1	No	Regular	KARS-0	KARS-0	3-Feb-2021	7.1	60.7	-	-	0.18	<2	-	28.7	<1	28.7
21D2542	14	No	Replicate	KARS-0 D	KARS-0	21-Apr-2021	7.29	60.7	-	-	0.21	<2	-	29.1	<1	29.1
21D2542	1	No	Regular	KARS-0	KARS-0	21-Apr-2021	7.3	63	-	-	0.2	<2	-	29.9	<1	29.9
21F1754	1	No	Regular	KARS-0	KARS-0	10-Jun-2021	7.63	60	-	-	0.42	<2	-	29.5	<1	29.5
21F1754	13	No	Replicate	KARS-0 D	KARS-0	10-Jun-2021	7.62	71.8	-	-	0.32	<7.1	-	30.1	<1	30.1
21H3327	1	No	Regular	KARS-0	KARS-0	25-Aug-2021	7.55	58.3	-	-	0.21	<2	-	27.3	<1	27.3
21J3046	1	No	Regular	KARS-0	KARS-0	20-Oct-2021	7.5	54	-	-	0.61	<2	-	28.3	<1	28.3
21L2246	1	No	Regular	KARS-0	KARS-0	8-Dec-2021	6.99	56.7	-	-	0.29	<2	-	26.4	<1	26.4
21B0557	2	No	Regular	KARS-10	KARS-10	3-Feb-2021	6.99	59.2	-	-	0.16	<2	-	27.6	<1	27.6
21D2542	2	No	Regular	KARS-10	KARS-10	21-Apr-2021	7.37	61.6	-	-	0.19	<2	-	29.9	<1	29.9
21F1754	2	No	Regular	KARS-10	KARS-10	10-Jun-2021	7.64	59.2	-	-	0.24	<2.9	-	28.5	<1	28.5
21H3327	2	No	Regular	KARS-10	KARS-10	25-Aug-2021	7.51	56.2	-	-	0.2	<2	-	28.7	<1	28.7
21J3046	2	No	Regular	KARS-10	KARS-10	20-Oct-2021	7.22	56.1	-	-	0.28	<2	-	26.6	<1	26.6
21L2246	2	No	Regular	KARS-10	KARS-10	8-Dec-2021	6.99	56.7	-	-	0.3	<2	-	26.3	<1	26.3
21B0557	6	No	Regular	KARS-100	KARS-100	3-Feb-2021	7.06	61.4	-	-	0.18	<2	-	27.3	<1	27.3
21D2542	6	No	Regular	KARS-100	KARS-100	21-Apr-2021	7.23	60.4	-	-	0.16	<2	-	29.2	<1	29.2
21F1754	6	No	Regular	KARS-100	KARS-100	10-Jun-2021	7.64	62.1	-	-	0.17	<2.5	-	30.5	<1	30.5
21H3327	6	No	Regular	KARS-100	KARS-100	25-Aug-2021	7.43	61.3	-	-	0.13	<2	-	28.7	<1	28.7
21J3046	6	No	Regular	KARS-100	KARS-100	20-Oct-2021	7.32	60.8	-	-	0.17	<2	-	29.3	<1	29.3
21L2246	6	No	Regular	KARS-100	KARS-100	8-Dec-2021	7.01	60.2	-	-	0.25	<2	-	27.2	<1	27.2
21B0557	3	No	Regular	KARS-20	KARS-20	3-Feb-2021	7	59.5	-	-	0.16	<2	-	28.2	<1	28.2
21D2542	3	No	Regular	KARS-20	KARS-20	21-Apr-2021	7.36	62.5	-	-	0.22	<2	-	29.3	<1	29.3
21F1754	3	No	Regular	KARS-20	KARS-20	10-Jun-2021	7.57	59	-	-	0.25	<2.9	-	27.6	<1	27.6
21H3327	12	No	Replicate	KARS-20 D	KARS-20	25-Aug-2021	7.49	57.8	-	-	0.21	<2	-	27	<1	27
21H3327	3	No	Regular	KARS-20	KARS-20	25-Aug-2021	7.41	57.2	-	-	0.22	<2.5	-	27.9	<1	27.9
21J3046	3	No	Regular	KARS-20	KARS-20	20-Oct-2021	7.24	53.7	-	-	0.47	<2	-	23.9	<1	23.9
21L2246	3	No	Regular	KARS-20	KARS-20	8-Dec-2021	6.88	58.2	-	-	0.38	<2	-	25.6	<1	25.6
21B0557	4	No	Regular	KARS-40	KARS-40	3-Feb-2021	7.04	59.8	-	-	0.16	<2	-	28.1	<1	28.1
21D2542	4	No	Regular	KARS-40	KARS-40	21-Apr-2021	7.16	59.6	-	-	0.15	<2	-	28.7	<1	28.7
21F1754	4	No	Regular	KARS-40	KARS-40	10-Jun-2021	7.64	61.4	-	-	0.18	<2	-	29.8	<1	29.8
21H3327	4	No	Regular	KARS-40	KARS-40	25-Aug-2021	7.42	61.2	-	-	0.14	<2	-	29.3	<1	29.3
21J3046	4	No	Regular	KARS-40	KARS-40	20-Oct-2021	7.35	60.7	-	-	0.16	<2	-	29.6	<1	29.6
21L2246	4	No	Regular	KARS-40	KARS-40	8-Dec-2021	6.96	57.4	-	-	0.39	<2	-	26.1	<1	26.1
21B0557	5	No	Regular	KARS-60	KARS-60	3-Feb-2021	7	60.1	-	-	0.15	<2	-	27.6	<1	27.6
21D2542	5	No	Regular	KARS-60	KARS-60	21-Apr-2021	7.23	61.6	-	-	0.16	<2	-	29.4	<1	29.4
21F1754	5	No	Regular	KARS-60	KARS-60	10-Jun-2021	7.63	61.9	-	-	0.16	<2.5	-	30.3	<1	30.3
21H3327	5	No	Regular	KARS-60	KARS-60	25-Aug-2021	7.43	60.9	-	-	0.13	<2	-	28.8	<1	28.8
21J3046	5	No	Regular	KARS-60	KARS-60	20-Oct-2021	7.34	60.6	-	-	0.14	<2	-	29.6	<1	29.6
21L2246	5	No	Regular	KARS-60	KARS-60	8-Dec-2021	6.98	55.5	-	-	0.47	<2	-	24.6	<1	24.6
21B1330	1	No	Regular	MC-M1 (ID 0124784)	MC-M1	10-Feb-2021	7.35	42.5	19.4	-	-	<2.5	-	21.7	<1	21.7
21D1936	1	No	Regular	MC-M1 (0124784)	MC-M1	14-Apr-2021	7.06	48.5	-	-	-	<2	-	23.6	<1	23.6
21G0927	1	No	Regular	MC-M1 (0124784)	MC-M1	7-Jul-2021	6.87	17	-	-	-	<2	-	7.7	<1	7.7
21H2440	18	No	Regular	MC-M1	MC-M1	18-Aug-2021	7.23	37.7	-	-	-	-	<2	15.3	<1	15.3
21I3696	1	No	Regular	MC-M1	MC-M1	27-Sep-2021	7.28	29.2	-	-	-	<2	-	12.3	<1	12.3
21J2034	5	No	Regular	MC-M1	MC-M1	13-Oct-2021	7.19	31.4	-	-	-	<2	-	12.7	<1	12.7
21K2042	1	No	Regular	MC-M1 (EMS ID 0124784)	MC-M1	15-Nov-2021	7.03	22.8	-	-	-	<2	-	7.6	<1	7.6
21L2320	2	No	Regular	MC-M1	MC-M1	14-Dec-2021	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
HW STP	7-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HW STP	24-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KARS-0	3-Feb-2021	<1	<1	-	-	3.9	-	0.0407	0.041	<0.01	<0.05	<0.005	<0.005	-	-	0.015	1.2	0.000141	0.0059	0.0049
KARS-0	21-Apr-2021	<1	<1	-	-	3.9	-	0.0286	0.029	<0.01	<0.05	0.0095	0.007	-	-	0.0125	1.4	0.000177	0.0064	0.0051
KARS-0	21-Apr-2021	<1	<1	-	-	3.9	-	0.0311	0.031	<0.01	<0.05	0.009	0.009	-	-	0.0135	1.4	0.000166	0.0171	0.00518
KARS-0	10-Jun-2021	<1	<1	-	-	4.2	-	0.0258	0.026	<0.01	<0.05	0.007	0.0052	-	-	0.0202	1.7	0.000179	0.0048	0.00592
KARS-0	10-Jun-2021	<1	<1	-	-	3.5	-	0.0311	0.031	<0.01	<0.05	0.0059	0.0056	-	-	0.0179	<1	0.000166	0.0036	0.00476
KARS-0	25-Aug-2021	<1	<1	-	-	4	-	<0.02	<0.01	<0.01	<0.05	0.0088	<0.005	-	-	0.0138	1.7	0.000204	0.006	0.00397
KARS-0	20-Oct-2021	<1	<1	-	-	4.2	-	<0.02	0.019	<0.01	<0.05	<0.005	<0.005	-	-	0.0195	<3	<0.0005	<0.05	<0.005
KARS-0	8-Dec-2021	<1	<1	-	-	3.9	-	0.0321	0.032	<0.01	<0.05	<0.01	<0.01	-	-	0.0271	<3	<0.0005	<0.05	<0.005
KARS-10	3-Feb-2021	<1	<1	-	-	3.9	-	0.0359	0.036	<0.01	<0.05	<0.005	<0.005	-	-	0.0158	1.6	0.000187	0.006	0.00497
KARS-10	21-Apr-2021	<1	<1	-	-	3.9	-	0.0292	0.029	<0.01	<0.05	0.0099	0.0073	-	-	0.0153	1.3	0.0002	0.0126	0.00528
KARS-10	10-Jun-2021	<1	<1	-	-	4.3	-	0.0247	0.025	<0.01	<0.05	0.008	0.0062	-	-	0.0207	2.3	0.000154	0.0048	0.00513
KARS-10	25-Aug-2021	<1	<1	-	-	4.1	-	<0.02	<0.01	<0.01	<0.05	<0.005	<0.005	-	-	0.0124	1.7	0.00021	0.0058	0.00398
KARS-10	20-Oct-2021	<1	<1	-	-	4.4	-	0.021	0.021	<0.01	<0.05	<0.005	<0.005	-	-	0.0214	<3	<0.0005	<0.05	<0.005
KARS-10	8-Dec-2021	<1	<1	-	-	4	-	0.0326	0.033	<0.01	<0.05	<0.01	<0.01	-	-	0.0248	<3	<0.0005	<0.05	<0.005
KARS-100	3-Feb-2021	<1	<1	-	-	4.4	-	0.0384	0.038	<0.01	<0.05	<0.005	<0.005	-	-	0.0175	1.5	0.000194	0.0056	0.00532
KARS-100	21-Apr-2021	<1	<1	-	-	4.3	-	0.0355	0.036	<0.01	<0.05	0.0077	0.0074	-	-	0.0154	1.4	0.000143	0.0089	0.00684
KARS-100	10-Jun-2021	<1	<1	-	-	4.1	-	0.044	0.044	<0.01	<0.05	0.0063	0.0057	-	-	0.014	1.9	0.00014	0.0049	0.00555
KARS-100	25-Aug-2021	<1	<1	-	-	4.6	-	0.0473	0.047	<0.01	0.084	0.0066	0.0058	-	-	0.0112	1.8	0.000159	0.0054	0.00495
KARS-100	20-Oct-2021	<1	<1	-	-	4.2	-	0.0443	0.044	<0.01	<0.05	<0.005	<0.005	-	-	0.0203	<3	<0.0005	<0.05	<0.005
KARS-100	8-Dec-2021	<1	<1	-	-	4.3	-	0.0455	0.046	<0.01	<0.05	<0.01	<0.01	-	-	0.0145	<3	<0.0005	<0.05	<0.005
KARS-20	3-Feb-2021	<1	<1	-	-	3.9	-	0.0368	0.037	<0.01	<0.05	<0.005	<0.005	-	-	0.0151	1.4	0.000171	0.0058	0.00463
KARS-20	21-Apr-2021	<1	<1	-	-	7.5	-	0.0326	0.033	<0.01	<0.05	0.0114	0.0094	-	-	0.0179	1.4	0.000174	0.0106	0.00535
KARS-20	10-Jun-2021	<1	<1	-	-	4.9	-	0.0351	0.035	<0.01	<0.05	0.0054	0.005	-	-	0.0208	2.2	0.000183	0.0049	0.00517
KARS-20	25-Aug-2021	<1	<1	-	-	4.5	-	0.0261	0.026	<0.01	<0.05	0.0061	0.0058	-	-	0.0154	1.4	0.000168	0.0044	0.00505
KARS-20	25-Aug-2021	<1	<1	-	-	4.5	-	0.0264	0.026	<0.01	<0.05	0.0074	<0.005	-	-	0.0166	1.4	0.000183	0.0053	0.00514
KARS-20	20-Oct-2021	<1	<1	-	-	4.9	-	0.0271	0.027	<0.01	<0.05	0.0053	<0.005	-	-	0.0423	<3	<0.0005	<0.05	<0.005
KARS-20	8-Dec-2021	<1	<1	-	-	4	-	0.0333	0.033	<0.01	<0.05	<0.01	<0.01	-	-	0.0237	<3	<0.0005	<0.05	<0.005
KARS-40	3-Feb-2021	<1	<1	-	-	3.9	-	0.037	0.037	<0.01	<0.05	<0.005	<0.005	-	-	0.0148	1.3	0.000162	0.0057	0.00514
KARS-40	21-Apr-2021	<1	<1	-	-	4.4	-	0.0336	0.034	<0.01	<0.05	0.0135	0.0109	-	-	0.0162	1.2	0.000156	0.0095	0.00501
KARS-40	10-Jun-2021	<1	<1	-	-	4.1	-	0.04	0.04	<0.01	0.052	<0.005	<0.005	-	-	0.0149	2.2	0.00014	0.0049	0.00527
KARS-40	25-Aug-2021	<1	<1	-	-	4.7	-	0.0462	0.046	<0.01	<0.05	0.0074	0.0057	-	-	0.0135	1.5	0.000146	0.0053	0.00494
KARS-40	20-Oct-2021	<1	<1	-	-	4.1	-	0.0432	0.043	<0.01	<0.05	<0.005	<0.005	-	-	0.0151	<3	<0.0005	<0.05	<0.005
KARS-40	8-Dec-2021	<1	<1	-	-	4.7	-	0.0372	0.037	<0.01	<0.05	<0.01	<0.01	-	-	0.0269	<3	<0.0005	<0.05	<0.005
KARS-60	3-Feb-2021	<1	<1	-	-	3.9	-	0.034	0.034	<0.01	<0.05	<0.005	<0.005	-	-	0.0149	1.3	0.00017	0.0056	0.00488
KARS-60	21-Apr-2021	<1	<1	-	-	4.8	-	0.0375	0.038	<0.01	<0.05	<0.005	<0.005	-	-	0.0165	1.5	0.000173	0.0088	0.00562
KARS-60	10-Jun-2021	<1	<1	-	-	4.2	-	0.0406	0.041	<0.01	<0.05	0.0063	<0.005	-	-	0.0151	2.1	0.000149	0.0048	0.00483
KARS-60	25-Aug-2021	<1	<1	-	-	4.7	-	0.0474	0.047	<0.01	0.103	0.008	0.0063	-	-	0.0128	1.5	0.00015	0.0055	0.0047
KARS-60	20-Oct-2021	<1	<1	-	-	4.1	-	0.045	0.045	<0.01	<0.05	<0.005	<0.005	-	-	0.0155	<3	<0.0005	<0.05	<0.005
KARS-60	8-Dec-2021	<1	<1	-	-	4.4	-	0.0341	0.034	<0.01	0.053	<0.01	<0.01	-	-	0.0328	<3	<0.0005	<0.05	0.005
MC-M1	10-Feb-2021	<1	<1	1.03	<0.1	2	-	<0.02	0.019	<0.01	<0.05	<0.005	<0.005	0.75	0.72	0.0257	<3	<0.0005	<0.05	0.0076
MC-M1	14-Apr-2021	<1	<1	0.86	<0.1	2	-	<0.02	0.018	<0.01	<0.05	<0.005	-	1.38	1.32	0.0292	<3	<0.0005	<0.05	0.0066
MC-M1	7-Jul-2021	<1	<1	0.38	<0.1	<1	-	<0.02	<0.01	<0.01	<0.05	<0.005	-	<0.5	<0.5	0.0237	<3	<0.0005	<0.05	<0.005
MC-M1	18-Aug-2021	<1	<1	-	-	2.1	-	0.0414	0.041	<0.01	-	-	-	-	-	0.0623	<3	<0.0005	<0.05	0.0223
MC-M1	27-Sep-2021	<1	<1	0.52	<0.1	1.7	-	0.0375	0.0375	<0.005	<0.05	<0.005	-	0.8	0.54	0.0205	<3	<0.0005	<0.05	0.0055
MC-M1	13-Oct-2021	<1	<1	0.86	<0.1	1.1	-	-	-	-	-	-	-	-	-	0.045	<3	<0.0005	<0.05	0.0052
MC-M1	15-Nov-2021	<1	<1	1.34	<0.1	<1	-	<0.02	<0.01	<0.01	-	0.0062	-	1.52	1.37	0.0663	<3	<0.0005	<0.05	<0.005
MC-M1	14-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0324	<1	<0.00005	0.0026	0.00509

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
HW STP	7-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HW STP	24-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KARS-0	3-Feb-2021	<0.00001	<0.00001	0.0000176	9.92	0.00018	0.0000098	0.00135	0.0064	<0.01	0.000055	0.854	0.00129	0.000138	0.000064	<0.00005	0.091	<0.0001	<0.00005	1.83	<0.00001	0.692	0.0142
KARS-0	21-Apr-2021	<0.00001	<0.00001	0.0000202	8.97	0.00018	0.0000111	0.00072	0.0046	<0.01	<0.00005	0.936	0.00164	0.000403	0.00009	0.000128	0.087	<0.0001	<0.00005	1.7	<0.00001	0.729	0.0136
KARS-0	21-Apr-2021	<0.00001	<0.00001	0.0000214	8.77	0.00018	0.0000137	0.00078	0.0085	<0.01	<0.00005	0.936	0.00201	0.0162	0.000099	0.000122	0.083	0.00011	<0.00005	1.64	<0.00001	0.726	0.0136
KARS-0	10-Jun-2021	<0.00001	<0.00001	0.0000204	9.59	0.00021	0.0000168	0.00083	0.0148	<0.01	0.000067	0.95	0.00174	0.000147	0.00062	0.00384	0.099	<0.0001	0.000075	1.72	<0.00001	0.766	0.0132
KARS-0	10-Jun-2021	<0.00001	<0.00001	0.000022	9.91	0.00018	0.000015	0.00094	0.0085	0.014	0.000084	0.981	0.0016	0.000159	0.00331	0.000135	0.107	<0.0001	<0.00005	1.7	<0.00001	0.764	0.0138
KARS-0	25-Aug-2021	<0.00001	<0.00001	0.0000173	9.31	0.00022	0.000008	0.00056	0.0093	<0.01	0.000079	0.777	0.00138	0.000163	0.000066	<0.00005	0.078	<0.0001	<0.00005	1.39	<0.00001	0.648	0.0126
KARS-0	20-Oct-2021	0.00014	<0.0001	0.000024	8.98	<0.0005	<0.0001	0.0105	0.01	<0.05	<0.0001	0.773	0.00127	0.00015	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.2	<0.00005	0.69	0.013
KARS-0	8-Dec-2021	<0.0001	<0.0001	0.000027	9.93	<0.0005	<0.0001	0.00111	0.017	<0.05	<0.0001	0.904	0.00168	0.00012	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.6	<0.00005	0.76	0.0138
KARS-10	3-Feb-2021	<0.00001	<0.00001	0.0000215	10.6	0.00047	0.0000148	0.0367	0.0076	<0.01	0.00006	0.882	0.00146	0.000135	0.000809	0.00167	0.09	<0.0001	0.000476	1.94	<0.00001	0.828	0.0145
KARS-10	21-Apr-2021	<0.00001	<0.00001	0.0000209	8.59	0.00014	0.0000127	0.00071	0.01	<0.01	<0.00005	0.888	0.0019	0.000123	0.000085	0.00007	0.078	<0.0001	<0.00005	1.63	<0.00001	0.682	0.0135
KARS-10	10-Jun-2021	<0.00001	<0.00001	0.000025	9.63	0.00022	0.0000156	0.00096	0.0132	<0.01	0.000065	0.952	0.0017	0.000192	0.000422	0.000224	0.099	<0.0001	0.000087	1.67	<0.00001	0.763	0.013
KARS-10	25-Aug-2021	<0.00001	<0.00001	0.0000139	9.59	0.00021	0.0000112	0.00058	0.0093	<0.01	0.000078	0.823	0.00162	0.000164	0.000115	<0.00005	0.085	<0.0001	<0.00005	1.51	<0.00001	0.696	0.0132
KARS-10	20-Oct-2021	<0.0001	<0.0001	0.000022	8.96	<0.0005	<0.0001	0.00072	0.012	<0.05	<0.0001	0.767	0.00118	0.00016	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.3	<0.00005	0.7	0.013
KARS-10	8-Dec-2021	<0.0001	<0.0001	0.000014	9.56	<0.0005	<0.0001	0.00084	0.017	0.059	0.00011	0.851	0.00153	0.00014	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.5	<0.00005	0.7	0.0129
KARS-100	3-Feb-2021	<0.00001	<0.00001	0.000025	10.5	0.00021	0.0000122	0.00102	0.0057	<0.01	0.000051	0.882	0.00247	0.000151	0.000068	<0.00005	0.094	<0.0001	<0.00005	1.89	<0.00001	0.736	0.0153
KARS-100	21-Apr-2021	<0.00001	<0.00001	0.0000241	8.75	0.00013	0.0000111	0.00072	0.0082	<0.01	<0.00005	0.896	0.00244	0.000147	0.000192	0.000227	0.079	<0.0001	<0.00005	1.61	<0.00001	0.714	0.0139
KARS-100	10-Jun-2021	<0.00001	<0.00001	0.0000229	10.1	0.00021	0.0000142	0.00076	0.0249	<0.01	0.000064	0.981	0.00281	0.000182	0.000081	0.0001	0.1	<0.0001	<0.00005	1.93	<0.00001	0.806	0.0142
KARS-100	25-Aug-2021	<0.00001	<0.00001	0.0000181	10.2	0.00027	0.000073	0.00065	0.0085	<0.01	0.000063	0.889	0.00262	0.000142	0.00018	<0.00005	0.073	<0.0001	<0.00005	1.87	<0.00001	0.706	0.0138
KARS-100	20-Oct-2021	<0.0001	<0.0001	0.000023	9.85	<0.0005	<0.0001	0.0006	<0.01	<0.05	<0.0001	0.907	0.00307	0.00013	0.00041	<0.0002	<0.1	<0.0005	<0.0002	1.8	<0.00005	0.71	0.0139
KARS-100	8-Dec-2021	<0.0001	<0.0001	0.000037	9.87	<0.0005	<0.0001	0.00084	0.011	0.102	<0.0001	0.92	0.00287	0.00013	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.6	<0.00005	0.73	0.0139
KARS-20	3-Feb-2021	<0.00001	<0.00001	0.0000209	10.3	0.00019	0.0000122	0.00066	0.0042	<0.01	<0.00005	0.876	0.00139	0.000129	0.000081	<0.00005	0.089	<0.0001	<0.00005	1.91	<0.00001	0.704	0.0144
KARS-20	21-Apr-2021	<0.00001	<0.00001	0.0000223	8.6	0.00018	0.0000166	0.00079	0.0122	<0.01	0.000053	0.912	0.0021	0.000154	0.000115	0.000096	0.076	<0.0001	<0.00005	1.61	<0.00001	0.701	0.0137
KARS-20	10-Jun-2021	<0.00001	<0.00001	0.0000235	9.76	0.00025	0.0000153	0.00072	0.0113	<0.01	0.000074	0.924	0.00219	0.000269	0.000134	0.000055	0.106	<0.0001	0.000051	1.79	<0.00001	0.822	0.0143
KARS-20	25-Aug-2021	<0.00001	<0.00001	0.0000225	9.54	0.0002	0.0000106	0.00058	0.0109	<0.01	0.00007	0.761	0.00164	0.00291	0.00005	0.00007	0.068	<0.0001	<0.00005	1.58	<0.00001	0.672	0.0136
KARS-20	25-Aug-2021	<0.00001	<0.00001	0.0000254	9.7	0.00021	0.0000243	0.00065	0.0076	<0.01	0.000076	0.817	0.00174	0.000205	0.000069	<0.00005	0.078	<0.0001	<0.00005	1.6	<0.00001	0.722	0.0138
KARS-20	20-Oct-2021	<0.0001	<0.0001	0.000026	8.6	<0.0005	<0.0001	0.00081	0.022	<0.05	<0.0001	0.701	0.0025	0.00017	<0.0004	<0.0002	0.11	<0.0005	<0.0002	1.2	<0.00005	0.71	0.0133
KARS-20	8-Dec-2021	<0.0001	<0.0001	0.000029	9.57	<0.0005	<0.0001	0.0008	0.019	<0.05	<0.0001	0.841	0.00154	0.00017	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.3	<0.00005	0.7	0.0134
KARS-40	3-Feb-2021	<0.00001	<0.00001	0.0000198	10.2	0.00017	0.0000113	0.00064	0.0072	<0.01	<0.00005	0.888	0.00136	0.000123	0.00008	<0.00005	0.091	<0.0001	<0.00005	1.94	<0.00001	0.72	0.0144
KARS-40	21-Apr-2021	<0.00001	<0.00001	0.0000222	8.79	0.00018	0.0000108	0.00075	0.0095	<0.01	<0.00005	0.871	0.00181	0.00014	0.000079	<0.00005	0.071	0.00011	<0.00005	1.6	<0.00001	0.671	0.0135
KARS-40	10-Jun-2021	<0.00001	<0.00001	0.0000191	10	0.0002	0.0000135	0.00069	0.0078	<0.01	0.000073	0.998	0.00208	0.000283	0.000072	<0.00005	0.102	<0.0001	<0.00005	1.94	<0.00001	0.799	0.0142
KARS-40	25-Aug-2021	<0.00001	<0.00001	0.0000224	10.5	0.00019	0.0000086	0.00063	0.007	<0.01	0.000076	0.895	0.00175	0.000132	0.000132	<0.00005	0.067	<0.0001	<0.00005	1.85	<0.00001	0.707	0.0139
KARS-40	20-Oct-2021	<0.0001	<0.0001	0.000016	9.69	<0.0005	<0.0001	0.0007	<0.01	<0.05	<0.0001	0.879	0.00128	0.00016	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.7	<0.00005	0.68	0.0136
KARS-40	8-Dec-2021	<0.0001	<0.0001	0.000024	9.17	<0.0005	<0.0001	0.00077	0.017	<0.05	<0.0001	0.836	0.00182	0.00017	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.4	<0.00005	0.69	0.0124
KARS-60	3-Feb-2021	<0.00001	<0.00001	0.0000217	10.3	0.0002	0.0000106	0.00068	0.0027	<0.01	<0.00005	0.875	0.00141	0.000126	0.000073	<0.00005	0.088	<0.0001	<0.00005	1.92	<0.00001	0.704	0.0145
KARS-60	21-Apr-2021	<0.00001	<0.00001	0.0000273	9.02	0.00016	0.0000123	0.00072	0.0092	<0.01	<0.00005	0.923	0.00208	0.000243	0.000073	<0.00005	0.081	<0.0001	<0.00005	1.73	<0.00001	0.729	0.0146
KARS-60	10-Jun-2021	<0.00001	<0.00001	0.000019	10	0.00017	0.0000135	0.00076	0.0083	<0.01	0.000068	0.972	0.00199	0.000182	0.000126	<0.00005	0.1	<0.0001	<0.00005	1.87	<0.00001	0.802	0.014
KARS-60	25-Aug-2021	<0.00001	<0.00001	0.000017	9.83	0.00021	0.0000098	0.00088	0.0076	<0.01	0.000085	0.817	0.0017	0.00014	0.0001	<0.00005	0.065	<0.0001	<0.00005	1.72	<0.00001	0.648	0.0127
KARS-60	20-Oct-2021	<0.0001	<0.0001	0.000017	9.61	<0.0005	<0.0001	0.00058	<0.01	<0.05	<0.0001	0.856	0.00146	0.00013	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.7	<0.00005	0.68	0.0135
KARS-60	8-Dec-2021	<0.0001	<0.0001	0.000022	9.34	<0.0005	<0.0001	0.0012	0.018	0.059	<0.0001	0.837	0.00257	0.00016	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.6	<0.00005	0.73	0.0128
MC-M1	10-Feb-2021	<0.0001	<0.0001	<0.00001	7.99	<0.0005	<0.0001	<0.0004	0.198	<0.05	0.00018	0.324	0.00069	0.00048	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.8	<0.00005	1	0.0165
MC-M1	14-Apr-2021	<0.0001	<0.0001	<0.00001	8.33	<0.0005	<0.0001	<0.0004	<0.01	<0.05	0.00015	0.341	0.00038	0.00049	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.9	<0.00005	0.98	0.0149
MC-M1	7-Jul-2021	<0.0001	<0.0001	<0.00001	3.22	<0.0005	<0.0001	<0.0004	<0.01	<0.05	<0.0001	0.15	0.00042	0.0003	<0.0004	<0.0002	0.1	<0.0005	<0.0002	<1	<0.00005	0.53	0.0069
MC-M1	18-Aug-2021	<0.0001	<0.0001	0.00119	6.36	<0.0005	<0.0001	0.00121	<0.01	<0.05	0.00056	0.265	0.00081	0.00065	<0.0004	0.00076	0.17	<0.0005	<0.0002	1.2	<0.00005	1.09	0.0135
MC-M1	27-Sep-2021	<0.0001	<0.0001	<0.00001	4.98	<0.0005	<0.0001	0.0005	<0.01	<0.05	<0.0001	0.2	0.00045	0.00063	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.2	<0.00005	0.7	0.0096
MC-M1	13-Oct-2021	<0.0001	<0.0001	<0.00001	5.04	<0.0005	<0.0001	<0.0004	<0.01	<0.05	<0.0001	0.229	0.00039	0.00023	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.3	<0.00005	0.75	0.0111
MC-M1	15-Nov-2021	<0.0001	<0.0001	<0.00001	3.43	<0.0005	<0.0001	<0.0004	<0.01	<0.05	<0.0001	0.165	0.00058	0.00017	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1	<0.00005	1.5	0.0068
MC-M1	14-Dec-2021	<0.00001	<0.00001	<0.000002	5.83	0.00013	0.0000083	0.00021	0.017	<0.01	<0.00005	0.229	0.000411	0.000313	0.000323	<0.00005	0.065	<0.0001	<0.00005	1.34	<0.00001	0.733	0.0101

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
HW STP	7-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HW STP	24-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KARS-0	3-Feb-2021	<0.00005	<0.000004	<0.00001	0.00033	<0.0002	0.0000102	0.00141	0.0059	<0.00002	-	0.0118	1.33	0.000132	0.0043	<0.00001	<0.00001	0.0049	0.0000218	9.63	0.00017	0.0000072	0.00064	0.0027
KARS-0	21-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000129	0.00062	0.0078	<0.00002	-	0.0128	1.35	0.00015	0.0042	<0.00001	<0.00001	0.00532	0.0000218	9.36	0.00015	0.0000124	0.00115	0.0076
KARS-0	21-Apr-2021	<0.00005	<0.000004	<0.00001	0.00034	<0.0002	0.0000127	0.00045	0.0075	<0.00002	-	0.011	1.35	0.000158	0.004	<0.00001	<0.00001	0.00443	0.0000219	9.38	0.00018	0.0000102	0.00118	0.0049
KARS-0	10-Jun-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000151	0.0003	0.0076	0.000027	-	0.0197	1.37	0.00014	0.0026	<0.00001	<0.00001	0.00535	0.000021	10	0.00014	0.000009	0.0008	0.0033
KARS-0	10-Jun-2021	<0.00005	<0.000004	<0.00001	0.00023	<0.0002	0.0000147	0.00025	0.0071	<0.00002	-	0.018	1.14	0.000148	0.0028	<0.00001	<0.00001	0.00494	0.0000165	10	0.00017	0.000007	0.00052	0.0025
KARS-0	25-Aug-2021	<0.00005	<0.000004	<0.00001	0.00021	<0.0002	0.0000122	0.00051	0.005	<0.00002	-	0.0071	1.43	0.000153	0.0049	<0.00001	<0.00001	0.00377	0.0000161	8.86	0.00019	<0.000005	0.00052	0.0032
KARS-0	20-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0079	<0.0001	-	0.013	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000019	9.35	<0.0005	<0.0001	0.00054	<0.01
KARS-0	8-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0083	<0.0001	-	<0.005	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000017	8.4	<0.0005	<0.0001	0.00065	<0.01
KARS-10	3-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000113	0.0015	0.0342	0.000075	-	0.0167	1.4	0.000144	0.0042	<0.00001	<0.00001	0.00564	0.0000207	9.62	0.00018	0.0000148	0.00079	0.0157
KARS-10	21-Apr-2021	<0.00005	<0.000004	<0.00001	0.0004	<0.0002	0.0000126	0.0007	0.0084	<0.00002	-	0.0106	1.3	0.000145	0.004	<0.00001	<0.00001	0.00451	0.0000217	9.44	0.00015	0.0000099	0.00108	0.004
KARS-10	10-Jun-2021	<0.00005	<0.000004	<0.00001	0.00068	<0.0002	0.0000148	0.00033	0.0072	0.000032	-	0.0134	<1	0.000151	0.0025	<0.00001	<0.00001	0.00479	0.0000159	9.85	0.00018	0.0000058	0.00047	<0.002
KARS-10	25-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000113	0.00045	0.0055	<0.00002	-	0.0075	1.49	0.00019	0.0048	<0.00001	<0.00001	0.00383	0.0000158	8.82	0.00018	<0.000005	0.00056	0.0031
KARS-10	20-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0101	<0.0001	-	0.0194	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0059	0.000021	9	<0.0005	<0.0001	0.00062	<0.01
KARS-10	8-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0079	<0.0001	-	<0.005	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000027	9.29	<0.0005	<0.0001	0.00055	<0.01
KARS-100	3-Feb-2021	<0.00005	<0.000004	<0.00001	0.00031	<0.0002	0.0000109	0.00177	0.0086	<0.00002	-	0.0135	1.35	0.00013	0.004	<0.00001	<0.00001	0.00505	0.0000244	9.75	0.00016	0.0000107	0.00066	0.0043
KARS-100	21-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000125	0.00057	0.0082	<0.00002	-	0.0111	1.44	0.000126	0.004	<0.00001	<0.00001	0.00497	0.0000256	9.38	0.00014	0.0000079	0.00121	0.0035
KARS-100	10-Jun-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000123	<0.0002	0.0078	<0.00002	-	0.0118	1.08	0.000124	0.0027	<0.00001	<0.00001	0.00569	0.0000205	10.4	0.00021	<0.000005	0.00055	<0.002
KARS-100	25-Aug-2021	0.000053	<0.000004	<0.00001	<0.0002	<0.0002	0.0000117	0.00036	0.0071	<0.00002	-	0.0087	1.76	0.000113	0.0044	<0.00001	<0.00001	0.00504	0.0000216	9.78	0.0002	<0.000005	0.00061	0.0023
KARS-100	20-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0064	<0.0001	-	0.0103	<3	<0.0005	<0.05	<0.0001	<0.0001	0.01	0.00002	9.73	<0.0005	<0.0001	0.00057	<0.01
KARS-100	8-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0082	<0.0001	-	<0.005	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000028	9.82	<0.0005	<0.0001	0.00103	<0.01
KARS-20	3-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000108	0.00155	0.0067	<0.00002	-	0.0114	1.33	0.000119	0.0042	<0.00001	<0.00001	0.00456	0.0000191	9.92	0.00015	0.0000067	0.00056	0.0026
KARS-20	21-Apr-2021	<0.00005	<0.000004	<0.00001	0.00035	<0.0002	0.000013	0.00057	0.0075	<0.00002	-	0.0111	1.25	0.000151	0.004	<0.00001	<0.00001	0.00551	0.0000213	9.42	0.00017	0.0000085	0.00113	0.0046
KARS-20	10-Jun-2021	<0.00005	<0.000004	<0.00001	0.00027	<0.0002	0.000018	0.00033	0.0082	<0.00002	-	0.0187	<1	0.000152	0.0025	<0.00001	<0.00001	0.00546	0.0000218	9.67	0.00017	0.0000056	0.00051	0.0025
KARS-20	25-Aug-2021	<0.00005	<0.000004	<0.00001	0.00025	<0.0002	0.0000124	0.00027	0.007	<0.00002	-	0.0104	1.9	0.000149	0.0035	<0.00001	<0.00001	0.00472	0.0000233	8.71	0.00022	0.0000062	0.00079	0.0042
KARS-20	25-Aug-2021	<0.00005	<0.000004	<0.00001	0.00023	<0.0002	0.0000122	0.00031	0.0073	<0.00002	-	0.0085	1.57	0.000132	0.0043	<0.00001	<0.00001	0.00465	0.0000229	9.14	0.00018	0.0000083	0.00058	0.0028
KARS-20	20-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0094	<0.0001	-	0.0223	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000025	8.53	<0.0005	<0.0001	0.00064	<0.01
KARS-20	8-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0075	<0.0001	-	<0.005	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000026	9.34	<0.0005	<0.0001	0.00064	<0.01
KARS-40	3-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000106	0.00152	0.0069	<0.00002	-	0.0119	1.21	0.00013	0.0041	<0.00001	<0.00001	0.00495	0.0000202	9.75	0.00018	0.0000095	0.00063	0.0039
KARS-40	21-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000121	0.00061	0.0066	<0.00002	-	0.012	1.65	0.000136	0.0041	<0.00001	<0.00001	0.00477	0.000022	9.44	0.00019	0.0000095	0.00126	0.0041
KARS-40	10-Jun-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000132	0.00028	0.0072	<0.00002	-	0.0119	1.06	0.000127	0.0026	<0.00001	<0.00001	0.00553	0.0000213	10.5	0.00016	0.0000053	0.00055	<0.002
KARS-40	25-Aug-2021	<0.00005	<0.000004	<0.00001	0.00021	<0.0002	0.0000126	0.00031	0.0065	<0.00002	-	0.0129	1.82	0.000116	0.0043	<0.00001	<0.00001	0.00467	0.000028	9.27	0.00019	0.0000079	0.00141	0.0034
KARS-40	20-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0071	<0.0001	-	0.0114	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.00002	9.38	<0.0005	<0.0001	0.00062	<0.01
KARS-40	8-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0074	<0.0001	-	<0.005	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000029	9.07	<0.0005	<0.0001	0.00071	<0.01
KARS-60	3-Feb-2021	<0.00005	<0.000004	<0.00001	0.00021	<0.0002	0.0000106	0.00149	0.0068	<0.00002	-	0.0116	1.19	0.000137	0.004	<0.00001	<0.00001	0.00459	0.0000174	9.68	0.00018	0.0000065	0.0006	0.0022
KARS-60	21-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000134	0.00055	0.008	<0.00002	-	0.0145	1.98	0.000152	0.0041	<0.00001	<0.00001	0.00618	0.0000246	9.57	0.00017	0.0000074	0.00126	0.0049
KARS-60	10-Jun-2021	0.000074	<0.000004	<0.00001	<0.0002	<0.0002	0.0000132	0.00028	0.0072	<0.00002	-	0.0107	<1	0.000124	0.0027	<0.00001	<0.00001	0.00579	0.0000188	10.3	0.00016	0.0000055	0.00053	<0.002
KARS-60	25-Aug-2021	0.000057	<0.000004	<0.00001	0.00023	<0.0002	0.0000129	0.00039	0.0062	<0.00002	-	0.0084	1.88	0.000109	0.0042	<0.00001	<0.00001	0.00464	0.0000198	9.39	0.0002	<0.000005	0.00056	<0.002
KARS-60	20-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0069	<0.0001	-	0.0143	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0054	0.000022	9.66	<0.0005	<0.0001	0.0021	<0.01
KARS-60	8-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0105	<0.0001	-	<0.005	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.00002	9.22	<0.0005	<0.0001	0.0007	<0.01
MC-M1	10-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000049	0.0011	<0.004	<0.0001	<0.00001	0.02	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0063	<0.00001	7.28	<0.0005	<0.0001	<0.0004	<0.01
MC-M1	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000049	<0.001	<0.004	<0.0001	<0.00001	0.0241	<3	<0.0005	<0.05	<0.0001	<0.0001	0.007	<0.00001	7.41	<0.0005	<0.0001	<0.0004	<0.01
MC-M1	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	<0.001	<0.004	<0.0001	<0.00001	0.0237	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000011	3.15	<0.0005	<0.0001	<0.0004	<0.01
MC-M1	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026	<0.001	0.0148	<0.0001	-	0.0207	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0362	0.000202	6.43	<0.0005	<0.0001	0.00043	<0.01
MC-M1	27-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	0.0015	<0.004	<0.0001	<0.00001	0.0201	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0054	<0.00001	4.73	<0.0005	<0.0001	<0.0004	<0.01
MC-M1	13-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000034	<0.001	<0.004	<0.0001	-	0.0416	3.8	<0.0005	<0.05	<0.0001	<0.0001	0.0052	<0.00001	4.84	<0.0005	<0.0001	<0.0004	<0.01
MC-M1	15-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025	<0.001	<0.004	<0.0001	<0.00001	0.0514	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	3.09	<0.0005	<0.0001	<0.0004	<0.01
MC-M1	14-Dec-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000377	<0.0002	0.0012	<0.00002	<0.00001	0.0228	<1	<0.00005	0.0023	<0.00001	<0.00001	0.00481	<0.000002	5.59	0.00012	0.0000081	0.00011	0.002

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
HW STP	7-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HW STP	24-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KARS-0	3-Feb-2021	<0.01	<0.00005	0.885	0.00058	0.000134	0.000077	0.000145	0.088	<0.00005	<0.0001	1.73	0.014	<0.00005	<0.00001	0.706	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000011
KARS-0	21-Apr-2021	<0.01	<0.00005	0.921	0.002	0.000158	0.000231	0.000087	0.043	0.00006	<0.0001	2.06	0.0282	0.000053	<0.00001	0.711	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000122
KARS-0	21-Apr-2021	<0.01	<0.00005	0.931	0.00156	0.00948	0.000215	0.000144	0.05	0.000054	<0.0001	1.89	0.0138	0.000083	<0.00001	0.726	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000125
KARS-0	10-Jun-2021	<0.01	0.000051	0.99	0.00121	0.000151	0.000115	0.000138	0.125	0.000178	<0.0001	1.75	0.0143	<0.00005	<0.00001	0.81	0.000073	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000137
KARS-0	10-Jun-2021	<0.01	<0.00005	1.03	0.000954	0.000142	0.000175	<0.00005	0.086	0.000106	<0.0001	1.79	0.0142	<0.00005	<0.00001	0.794	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000138
KARS-0	25-Aug-2021	<0.01	0.00006	0.753	0.000513	0.000157	0.000042	<0.00005	0.08	0.000063	<0.0001	1.29	0.0117	<0.00005	<0.00001	0.635	0.000063	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000111
KARS-0	20-Oct-2021	<0.05	<0.0001	0.854	0.00023	0.00016	<0.0004	<0.0002	0.11	<0.0002	<0.0005	1.5	0.0131	<0.0002	<0.00005	0.76	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
KARS-0	8-Dec-2021	<0.05	0.00017	0.845	0.00069	0.00016	<0.0004	<0.0002	0.1	<0.0002	<0.0005	1.7	0.0132	<0.0002	<0.00005	0.79	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
KARS-10	3-Feb-2021	<0.01	<0.00005	0.892	0.000739	0.000123	0.000077	0.000686	0.088	<0.00005	<0.0001	1.75	0.0139	<0.00005	<0.00001	0.712	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000092
KARS-10	21-Apr-2021	<0.01	<0.00005	0.922	0.0012	0.00012	0.0002	<0.00005	0.039	0.000062	<0.0001	2.03	0.0138	0.000056	<0.00001	0.715	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000119
KARS-10	10-Jun-2021	<0.01	<0.00005	0.97	0.00089	0.000128	<0.00004	<0.00005	0.064	0.000077	<0.0001	1.82	0.014	<0.00005	<0.00001	0.747	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000139
KARS-10	25-Aug-2021	<0.01	0.000057	0.758	0.000398	0.000159	0.000048	<0.00005	0.085	0.000059	<0.0001	1.37	0.0117	<0.00005	<0.00001	0.637	0.000067	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000113
KARS-10	20-Oct-2021	<0.05	<0.0001	0.82	0.00027	0.00017	<0.0004	<0.0002	0.1	<0.0002	<0.0005	1.3	0.0163	<0.0002	<0.00005	0.76	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
KARS-10	8-Dec-2021	0.056	<0.0001	0.836	0.00071	0.00017	0.00056	<0.0002	<0.1	<0.0002	<0.0005	1.6	0.0126	<0.0002	<0.00005	0.67	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
KARS-100	3-Feb-2021	<0.01	<0.00005	0.865	0.00125	0.000128	0.00007	0.000099	0.087	0.000053	<0.0001	1.71	0.0143	<0.00005	<0.00001	0.718	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.00001
KARS-100	21-Apr-2021	<0.01	<0.00005	0.903	0.00122	0.000196	0.000272	0.000089	0.061	<0.00005	<0.0001	1.91	0.0142	0.000069	<0.00001	0.728	0.000053	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000012
KARS-100	10-Jun-2021	<0.01	<0.00005	1.03	0.000845	0.000147	0.000059	<0.00005	0.081	0.000161	<0.0001	2.06	0.0154	<0.00005	<0.00001	0.814	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000118
KARS-100	25-Aug-2021	<0.01	0.00006	0.835	0.000602	0.000129	0.000091	<0.00005	0.077	<0.00005	<0.0001	1.69	0.013	<0.00005	<0.00001	0.672	<0.00005	0.000053	<0.000004	<0.00001	<0.0002	<0.0002	0.0000119
KARS-100	20-Oct-2021	<0.05	<0.0001	0.985	0.00109	0.00011	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.9	0.0144	<0.0002	<0.00005	0.77	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
KARS-100	8-Dec-2021	<0.05	<0.0001	0.895	0.00112	0.00026	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.6	0.0137	<0.0002	<0.00005	0.69	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
KARS-20	3-Feb-2021	<0.01	<0.00005	0.878	0.000502	0.000119	0.00008	0.00007	0.087	<0.00005	<0.0001	1.81	0.0137	<0.00005	<0.00001	0.704	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000109
KARS-20	21-Apr-2021	<0.01	<0.00005	0.912	0.00113	0.000127	0.000155	<0.00005	0.043	0.00005	<0.0001	2.06	0.0139	0.000069	<0.00001	0.717	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000124
KARS-20	10-Jun-2021	<0.01	<0.00005	0.925	0.000474	0.00014	0.000049	<0.00005	0.091	0.00009	<0.0001	1.84	0.0148	<0.00005	<0.00001	0.795	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000128
KARS-20	25-Aug-2021	<0.01	0.000054	0.75	0.00079	0.000142	0.000069	0.000159	0.089	0.00005	<0.0001	1.47	0.0128	<0.00005	<0.00001	0.686	0.000068	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000108
KARS-20	25-Aug-2021	<0.01	0.000062	0.722	0.000749	0.00015	0.000044	0.000052	0.081	0.000062	<0.0001	1.32	0.0125	<0.00005	<0.00001	0.634	<0.00005	0.000056	<0.000004	<0.00001	<0.0002	<0.0002	0.0000111
KARS-20	20-Oct-2021	<0.05	<0.0001	0.748	0.00061	0.00016	<0.0004	<0.0002	0.11	<0.0002	<0.0005	1.5	0.0128	<0.0002	<0.00005	0.75	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
KARS-20	8-Dec-2021	<0.05	<0.0001	0.833	0.00062	0.00015	0.0005	<0.0002	<0.1	<0.0002	<0.0005	1.5	0.0129	<0.0002	<0.00005	0.68	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
KARS-40	3-Feb-2021	<0.01	<0.00005	0.875	0.000554	0.000122	0.000087	0.000164	0.086	<0.00005	<0.0001	1.66	0.0139	<0.00005	<0.00001	0.696	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000107
KARS-40	21-Apr-2021	<0.01	<0.00005	0.928	0.000981	0.000145	0.000356	0.000128	0.062	<0.00005	<0.0001	1.95	0.0141	0.000065	<0.00001	0.739	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000122
KARS-40	10-Jun-2021	<0.01	0.000056	1.03	0.000368	0.000151	0.00006	<0.00005	0.083	0.000078	<0.0001	1.95	0.0155	<0.00005	<0.00001	0.813	<0.00005	0.000082	<0.000004	<0.00001	<0.0002	<0.0002	0.0000124
KARS-40	25-Aug-2021	<0.01	0.000054	0.827	0.000492	0.000127	0.000102	0.000339	0.098	<0.00005	<0.0001	1.67	0.0126	<0.00005	<0.00001	0.662	0.000087	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000115
KARS-40	20-Oct-2021	<0.05	<0.0001	0.918	0.00022	0.00018	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.9	0.0133	<0.0002	<0.00005	0.71	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
KARS-40	8-Dec-2021	0.076	<0.0001	0.808	0.00088	0.00015	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.5	0.0127	<0.0002	<0.00005	0.68	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
KARS-60	3-Feb-2021	<0.01	<0.00005	0.868	0.000524	0.000125	0.000056	<0.00005	0.082	0.000052	<0.0001	1.66	0.0137	<0.00005	<0.00001	0.693	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000103
KARS-60	21-Apr-2021	<0.01	<0.00005	0.92	0.00117	0.000154	0.000206	0.00015	0.066	0.000056	<0.0001	2.03	0.0147	0.000067	<0.00001	0.744	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000125
KARS-60	10-Jun-2021	<0.01	<0.00005	1.02	0.000471	0.000124	0.000065	<0.00005	0.077	0.000062	<0.0001	1.82	0.0156	<0.00005	<0.00001	0.802	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000116
KARS-60	25-Aug-2021	<0.01	0.000056	0.828	0.000233	0.000137	0.00004	<0.00005	0.076	<0.00005	<0.0001	1.67	0.0128	<0.00005	<0.00001	0.654	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000112
KARS-60	20-Oct-2021	<0.05	<0.0001	0.965	0.00024	0.00014	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.8	0.0133	<0.0002	<0.00005	0.74	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
KARS-60	8-Dec-2021	<0.05	<0.0001	0.802	0.00105	0.00015	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.4	0.013	<0.0002	<0.00005	0.69	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-M1	10-Feb-2021	<0.05	<0.0001	0.281	<0.0002	0.00045	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.4	0.0146	<0.0002	<0.00005	0.82	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000049
MC-M1	14-Apr-2021	<0.05	<0.0001	0.287	0.0004	0.00041	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.5	0.0145	<0.0002	<0.00005	0.84	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000049
MC-M1	7-Jul-2021	<0.05	<0.0001	0.13	0.00027	0.00033	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	<1	0.0061	<0.0002	<0.00005	0.45	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000031
MC-M1	18-Aug-2021	<0.05	0.00057	0.29	0.00042	0.00058	<0.0004	0.00089	<0.1	<0.0002	<0.0005	1.5	0.0141	<0.0002	<0.00005	0.95	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026
MC-M1	27-Sep-2021	<0.05	0.00011	0.192	0.00024	0.00048	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	<1	0.0098	<0.0002	<0.00005	0.62	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022
MC-M1	13-Oct-2021	<0.05	<0.0001	0.203	0.00028	0.00022	<0.0004	<0.0002	0.1	<0.0002	<0.0005	1.5	0.0101	<0.0002	<0.00005	0.71	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000037
MC-M1	15-Nov-2021	<0.05	<0.0001	0.183	0.00028	0.00015	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	<1	0.0054	<0.0002	<0.00005	0.77	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-M1	14-Dec-2021	<0.01	<0.00005	0.224	0.000179	0.000307	<0.00004	<0.00005	0.066	<0.00005	<0.0001	1.34	0.00976	<0.00005	<0.00001	0.68	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000366

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
HW STP	7-Apr-2021	-	-	-	-	-	-	-	57.2
HW STP	24-Nov-2021	-	-	-	-	-	-	-	87.5
KARS-0	3-Feb-2021	<0.0002	0.0069	<0.00002	-	3.71	-	0.00027	-
KARS-0	21-Apr-2021	0.00045	0.0067	<0.00002	-	3.75	-	-	-
KARS-0	21-Apr-2021	0.00037	0.0081	<0.00002	-	3.75	-	<0.001	-
KARS-0	10-Jun-2021	<0.0002	0.007	0.000027	-	3.46	-	0.00034	-
KARS-0	10-Jun-2021	<0.0002	0.014	<0.00002	-	3.34	-	-	-
KARS-0	25-Aug-2021	<0.0002	0.0044	<0.00002	-	2.79	-	0.00021	-
KARS-0	20-Oct-2021	<0.001	0.0057	<0.0001	-	3.03	-	<0.001	-
KARS-0	8-Dec-2021	<0.001	0.0059	<0.0001	-	3.65	-	0.00013	-
KARS-10	3-Feb-2021	<0.0002	0.0078	<0.00002	-	3.67	-	-	-
KARS-10	21-Apr-2021	0.00033	0.0067	<0.00002	-	3.71	-	<0.001	-
KARS-10	10-Jun-2021	<0.0002	0.0044	<0.00002	-	3.38	-	-	-
KARS-10	25-Aug-2021	<0.0002	0.0046	<0.00002	-	2.83	-	-	-
KARS-10	20-Oct-2021	<0.001	0.0106	<0.0001	-	3.15	-	-	-
KARS-10	8-Dec-2021	<0.001	0.0066	<0.0001	-	3.65	-	-	-
KARS-100	3-Feb-2021	<0.0002	0.0078	<0.00002	-	3.67	-	-	-
KARS-100	21-Apr-2021	0.00035	0.0091	<0.00002	-	3.67	-	<0.001	-
KARS-100	10-Jun-2021	<0.0002	0.0059	<0.00002	-	3.55	-	-	-
KARS-100	25-Aug-2021	<0.0002	0.0061	<0.00002	-	3.69	-	-	-
KARS-100	20-Oct-2021	<0.001	0.0082	<0.0001	-	3.85	-	-	-
KARS-100	8-Dec-2021	<0.001	0.0122	<0.0001	-	3.85	-	-	-
KARS-20	3-Feb-2021	<0.0002	0.006	<0.00002	-	3.67	-	-	-
KARS-20	21-Apr-2021	0.00042	0.0075	<0.00002	-	3.71	-	<0.001	-
KARS-20	10-Jun-2021	<0.0002	0.0097	<0.00002	-	3.3	-	-	-
KARS-20	25-Aug-2021	0.00021	0.0071	<0.00002	-	3	-	-	-
KARS-20	25-Aug-2021	0.00021	0.0063	<0.00002	-	3	-	-	-
KARS-20	20-Oct-2021	<0.001	0.0079	<0.0001	-	3.15	-	-	-
KARS-20	8-Dec-2021	<0.001	0.0079	<0.0001	-	3.65	-	-	-
KARS-40	3-Feb-2021	<0.0002	0.0069	<0.00002	-	3.71	-	-	-
KARS-40	21-Apr-2021	0.00039	0.0081	<0.00002	-	3.67	-	<0.001	-
KARS-40	10-Jun-2021	<0.0002	0.0057	<0.00002	-	3.59	-	-	-
KARS-40	25-Aug-2021	<0.0002	0.0076	<0.00002	-	3.53	-	-	-
KARS-40	20-Oct-2021	<0.001	0.0069	<0.0001	-	3.81	-	-	-
KARS-40	8-Dec-2021	<0.001	0.0156	<0.0001	-	3.69	-	-	-
KARS-60	3-Feb-2021	<0.0002	0.0065	<0.00002	-	3.67	-	-	-
KARS-60	21-Apr-2021	0.00032	0.0086	<0.00002	-	3.71	-	<0.001	-
KARS-60	10-Jun-2021	<0.0002	0.0069	<0.00002	-	3.59	-	-	-
KARS-60	25-Aug-2021	<0.0002	0.0055	<0.00002	-	3.65	-	-	-
KARS-60	20-Oct-2021	<0.001	0.0062	<0.0001	-	3.81	-	-	-
KARS-60	8-Dec-2021	<0.001	0.0091	<0.0001	-	3.52	-	-	-
MC-M1	10-Feb-2021	<0.001	<0.004	<0.0001	-	-	<0.005	-	-
MC-M1	14-Apr-2021	<0.001	<0.004	<0.0001	<0.00001	-	<0.005	-	-
MC-M1	7-Jul-2021	<0.001	<0.004	<0.0001	<0.00001	-	<0.005	-	-
MC-M1	18-Aug-2021	<0.001	<0.004	<0.0001	-	-	-	-	-
MC-M1	27-Sep-2021	<0.001	<0.004	<0.0001	<0.00001	-	<0.01	-	-
MC-M1	13-Oct-2021	<0.001	<0.004	<0.0001	-	-	-	-	-
MC-M1	15-Nov-2021	<0.001	<0.004	<0.0001	<0.00001	-	<0.005	-	-
MC-M1	14-Dec-2021	<0.0002	<0.001	<0.00002	<0.00001	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21A2062	5	No	Regular	MC-M2	MC-M2	21-Jan-2021	7.29	137	53.9	-	-	-	-	25.1	<1	25.1
21B1332	4	No	Regular	MC-M2	MC-M2	10-Feb-2021	7.26	186	78.6	-	-	-	-	26.9	<1	26.9
21C1628	5	No	Regular	MC-M2	MC-M2	10-Mar-2021	7.5	171	58.2	-	-	<2	-	29.4	<1	29.4
21D1936	4	No	Regular	MC-M2	MC-M2	15-Apr-2021	6.8	131	-	-	-	<2	-	23.9	<1	23.9
21E0545	5	No	Regular	MC-M2	MC-M2	5-May-2021	7.21	74.4	-	-	-	<2	-	15	<1	15
21F0686	6	No	Regular	MC-M2	MC-M2	2-Jun-2021	6.43	51.4	-	-	-	<2	-	22.5	<1	22.5
21G0927	4	No	Regular	MC-M2	MC-M2	8-Jul-2021	7.15	88.3	-	-	-	<2	-	12.7	<1	12.7
21H1128	6	No	Regular	MC-M2	MC-M2	10-Aug-2021	7.19	161	-	-	-	<2	-	20.1	<1	20.1
21I2369	4	No	Regular	MC-M2	MC-M2	15-Sep-2021	6.77	193	-	-	-	7.2	-	16.4	<1	16.4
21J2034	6	No	Regular	MC-M2	MC-M2	13-Oct-2021	7.23	121	-	-	-	<2	-	21	<1	21
21K2057	1	No	Regular	MC-M2	MC-M2	15-Nov-2021	7.16	63.7	-	-	-	5	-	13.7	<1	13.7
21L2262	5	No	Regular	MC-M2	MC-M2	14-Dec-2021	7.06	178	-	-	-	<2	-	26.7	<1	26.7
21A2062	3	No	Regular	MC-TP4-M	MC-TP4	21-Jan-2021	7.27	145	56.6	-	-	-	-	23.8	<1	23.8
21B1332	2	No	Regular	MC-TP4-M	MC-TP4	10-Feb-2021	7.37	197	83.6	-	-	-	-	24.9	<1	24.9
21C1628	3	No	Regular	MC-TP4-M	MC-TP4	10-Mar-2021	7.09	186	66.9	-	-	<2	-	26.6	<1	26.6
21D1854	2	No	Regular	MC-TP4-M	MC-TP4	14-Apr-2021	6.75	125	47.9	-	-	-	-	23.6	<1	23.6
21E0545	3	No	Regular	MC-TP4-M	MC-TP4	5-May-2021	7.1	75.1	-	-	-	-	-	13.8	<1	13.8
21E3313	1	No	Regular	MC-TP4 (EC206805)	MC-TP4	19-May-2021	-	-	-	-	-	-	-	-	-	-
21E3313	2	No	Regular	MC-TP4 (EC206805)	MC-TP4	20-May-2021	-	-	-	-	-	-	-	-	-	-
21E3313	3	No	Regular	MC-TP4 (EC206805)	MC-TP4	21-May-2021	-	-	-	-	-	-	-	-	-	-
21E3313	4	No	Regular	MC-TP4 (EC206805)	MC-TP4	22-May-2021	-	-	-	-	-	-	-	-	-	-
21E3313	5	No	Regular	MC-TP4 (EC206805)	MC-TP4	23-May-2021	-	-	-	-	-	-	-	-	-	-
21E3313	6	No	Regular	MC-TP4 (EC206805)	MC-TP4	24-May-2021	-	-	-	-	-	-	-	-	-	-
21E3313	7	No	Regular	MC-TP4 (EC206805)	MC-TP4	25-May-2021	-	-	-	-	-	-	-	-	-	-
21E3313	8	No	Regular	MC-TP4 (EC206805)	MC-TP4	26-May-2021	-	-	-	-	-	-	-	-	-	-
21F0686	8	No	Replicate	MC-TP4 D	MC-TP4	2-Jun-2021	6.4	46.9	-	-	-	-	-	7.5	<1	7.5
21F0686	3	No	Regular	MC-TP4	MC-TP4	2-Jun-2021	5.88	47.2	-	-	-	-	-	12.5	<1	12.5
21G0973	2	No	Regular	MC-TP4-M	MC-TP4	7-Jul-2021	7.04	81.6	-	-	-	-	-	11.5	<1	11.5
21H1128	3	No	Regular	MC-TP4	MC-TP4	10-Aug-2021	7.12	199	-	-	-	-	-	17.4	<1	17.4
21H2440	16	No	Regular	MC-TP4	MC-TP4	18-Aug-2021	7.01	247	-	-	-	-	3	17.5	<1	17.5
21I2399	1	No	Regular	MC-TP4 (E206805)	MC-TP4	7-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I2399	2	No	Regular	MC-TP4 (E206805)	MC-TP4	8-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I2399	3	No	Regular	MC-TP4 (E206805)	MC-TP4	9-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I2399	4	No	Regular	MC-TP4 (E206805)	MC-TP4	10-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I2399	5	No	Regular	MC-TP4 (E206805)	MC-TP4	11-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I2399	6	No	Regular	MC-TP4 (E206805)	MC-TP4	12-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I2399	7	No	Regular	MC-TP4 (E206805)	MC-TP4	13-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I2389	2	No	Regular	MC-TP4	MC-TP4	15-Sep-2021	6.81	200	-	-	-	-	-	16.1	<1	16.1
21J3159	1	No	Regular	MC-TP4 (E206805)	MC-TP4	12-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2034	3	No	Regular	MC-TP4-M	MC-TP4	13-Oct-2021	7.22	126	-	-	-	-	-	16.5	<1	16.5
21J3159	2	No	Regular	MC-TP4 (E206805)	MC-TP4	13-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3159	3	No	Regular	MC-TP4 (E206805)	MC-TP4	14-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3159	4	No	Regular	MC-TP4 (E206805)	MC-TP4	15-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3159	5	No	Regular	MC-TP4 (E206805)	MC-TP4	16-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3159	6	No	Regular	MC-TP4 (E206805)	MC-TP4	17-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3159	7	No	Regular	MC-TP4 (E206805)	MC-TP4	18-Oct-2021	-	-	-	-	-	-	-	-	-	-
21K0662	1	No	Regular	MC-TP4 (E206805)	MC-TP4	27-Oct-2021	-	-	-	-	-	-	-	-	-	-
21K0662	2	No	Regular	MC-TP4 (E206805)	MC-TP4	28-Oct-2021	-	-	-	-	-	-	-	-	-	-
21K0662	3	No	Regular	MC-TP4 (E206805)	MC-TP4	29-Oct-2021	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MC-M2	21-Jan-2021	<1	<1	-	-	36.2	-	0.107	0.107	<0.01	0.078	<0.005	<0.005	-	-	0.0429	14.2	<0.0005	<0.05	0.0205
MC-M2	10-Feb-2021	<1	<1	-	-	65.7	-	0.208	0.208	<0.01	0.117	<0.005	<0.005	-	-	0.0688	21	<0.0005	<0.05	0.0138
MC-M2	10-Mar-2021	<1	<1	-	-	54.2	-	0.228	0.228	<0.01	0.114	<0.005	<0.005	-	-	0.0608	23.3	<0.0005	<0.05	0.0109
MC-M2	15-Apr-2021	<1	<1	1.33	<0.1	38	-	0.16	0.16	<0.01	0.128	<0.005	-	1.52	1.17	0.0568	12.1	<0.0005	<0.05	0.013
MC-M2	5-May-2021	<1	<1	0.83	<0.1	15.5	-	0.0647	0.065	<0.01	0.064	0.0061	0.0061	-	-	0.0575	5.7	<0.0005	<0.05	0.0071
MC-M2	2-Jun-2021	<1	<1	0.53	<0.1	8.2	-	0.0454	0.045	<0.01	-	0.0066	0.0056	-	-	0.0706	3.1	<0.0005	<0.05	0.0053
MC-M2	8-Jul-2021	<1	<1	0.81	<0.1	25.9	-	0.111	0.111	<0.01	0.133	0.006	-	<0.5	<0.5	0.0422	8.6	<0.0005	<0.05	0.0083
MC-M2	10-Aug-2021	<1	<1	1.32	<0.1	53.3	-	0.254	0.254	<0.01	-	0.0056	<0.005	-	-	0.0496	18.6	<0.0005	<0.05	0.0117
MC-M2	15-Sep-2021	<1	<1	1.49	<0.1	65.8	-	0.374	0.374	<0.01	0.201	0.0179	-	0.86	0.79	0.0585	24.4	<0.0005	<0.05	0.0119
MC-M2	13-Oct-2021	<1	<1	1.12	<0.1	34	-	0.119	0.119	<0.01	0.084	<0.005	<0.005	-	-	0.0699	10	<0.0005	<0.05	0.0082
MC-M2	15-Nov-2021	<1	<1	1.34	<0.1	13.5	-	0.0386	0.039	<0.01	<0.05	0.0056	-	1.42	1.3	0.215	5.3	0.00063	<0.05	0.0075
MC-M2	14-Dec-2021	<1	<1	1.19	<0.1	53.7	-	0.219	0.206	0.013	0.122	0.0085	0.0079	-	-	0.0669	18.8	<0.0005	<0.05	0.0123
MC-TP4	21-Jan-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.0487	16.2	<0.0005	<0.05	0.0266
MC-TP4	10-Feb-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.0802	23.2	<0.0005	<0.05	0.0149
MC-TP4	10-Mar-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.0973	32.3	<0.0005	<0.05	0.0117
MC-TP4	14-Apr-2021	<1	<1	1.35	<0.1	33.3	-	-	-	-	-	-	-	-	-	0.0499	11.3	<0.0005	<0.05	0.0116
MC-TP4	5-May-2021	<1	<1	0.87	<0.1	17.6	-	-	-	-	-	-	-	-	-	0.0746	6.9	<0.0005	<0.05	0.0084
MC-TP4	19-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0521	9.1	0.000077	0.0067	0.0245
MC-TP4	20-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0268	8.9	0.000089	0.0065	0.0243
MC-TP4	21-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0361	9	0.000095	0.0062	0.0245
MC-TP4	22-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0278	8.3	0.000079	0.0053	0.0236
MC-TP4	23-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0284	7.4	0.000083	0.0049	0.0204
MC-TP4	24-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.027	7.6	0.000084	0.0046	0.0209
MC-TP4	25-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0244	7	0.000095	0.0051	0.0208
MC-TP4	26-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.021	8.2	0.00008	0.0044	0.0205
MC-TP4	2-Jun-2021	<1	<1	0.55	<0.1	7.7	-	-	-	-	-	-	-	-	-	0.0528	<3	<0.0005	<0.05	<0.005
MC-TP4	2-Jun-2021	<1	<1	0.56	<0.1	7.7	-	-	-	-	-	-	-	-	-	0.0617	4	<0.0005	<0.05	0.0062
MC-TP4	7-Jul-2021	<1	<1	0.79	<0.1	24.6	-	-	-	-	-	-	-	-	-	0.044	9.5	<0.0005	<0.05	0.0077
MC-TP4	10-Aug-2021	<1	<1	1.54	<0.1	67.8	-	-	-	-	-	-	-	-	-	0.0702	24.6	<0.0005	<0.05	0.0141
MC-TP4	18-Aug-2021	<1	<1	-	-	87	-	0.542	0.521	0.021	-	-	-	-	-	0.0582	32.7	<0.0005	<0.05	0.0146
MC-TP4	7-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.032	34.8	0.000202	0.0115	0.04
MC-TP4	8-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0309	31.8	0.000194	0.0111	0.0407
MC-TP4	9-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0266	37.1	0.000187	0.0114	0.0397
MC-TP4	10-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0296	35.5	0.000214	0.0113	0.0379
MC-TP4	11-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0301	39	0.000198	0.012	0.0416
MC-TP4	12-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0239	38.4	0.000184	0.0127	0.0405
MC-TP4	13-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0306	35.3	0.000174	0.0124	0.0407
MC-TP4	15-Sep-2021	<1	<1	1.63	<0.1	69.3	-	-	-	-	-	-	-	-	-	0.0606	23.8	<0.0005	<0.05	0.0122
MC-TP4	12-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.019	21.1	0.000098	0.0077	0.0312
MC-TP4	13-Oct-2021	<1	<1	1.12	<0.1	36.4	-	-	-	-	-	-	-	-	-	0.0796	11.8	<0.0005	<0.05	0.0082
MC-TP4	13-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0174	21.3	0.000112	0.0072	0.0311
MC-TP4	14-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0249	19.5	0.000101	0.0067	0.0304
MC-TP4	15-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0723	15.6	0.000128	0.0053	0.0268
MC-TP4	16-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0828	15.3	0.00013	0.0049	0.0256
MC-TP4	17-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.135	19.9	0.000233	0.0054	0.0336
MC-TP4	18-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0998	19.1	0.000159	0.0064	0.0349
MC-TP4	27-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.268	15.8	0.000196	0.0047	0.0276
MC-TP4	28-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0438	19	0.000131	0.0045	0.0299
MC-TP4	29-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.186	19.9	0.000361	0.0045	0.0353

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MC-M2	21-Jan-2021	<0.0001	<0.0001	0.000192	19.9	<0.0005	<0.0001	0.00301	<0.01	<0.05	0.00035	1.78	0.00372	0.0008	<0.0004	0.00088	0.54	<0.0005	<0.0002	1.9	<0.00005	1.64	0.0559
MC-M2	10-Feb-2021	<0.0001	<0.0001	0.000216	28.7	<0.0005	<0.0001	0.0058	0.024	<0.05	0.00053	2.78	0.0124	0.00103	<0.0004	0.00061	0.69	<0.0005	<0.0002	2.1	<0.00005	2.14	0.0898
MC-M2	10-Mar-2021	<0.0001	<0.0001	0.000224	27.7	<0.0005	<0.0001	0.00523	0.015	<0.05	0.00058	1.98	0.0125	0.00056	0.00052	0.00035	0.59	<0.0005	0.00022	1.8	0.000159	2.28	0.0749
MC-M2	15-Apr-2021	<0.0001	<0.0001	0.00013	19	<0.0005	<0.0001	0.00318	0.017	<0.05	0.00046	1.9	0.00808	0.00106	<0.0004	0.00053	0.82	<0.0005	<0.0002	2.1	<0.00005	2.09	0.057
MC-M2	5-May-2021	<0.0001	<0.0001	0.000113	9.91	<0.0005	<0.0001	0.00231	0.011	<0.05	0.00018	0.773	0.00617	0.00058	<0.0004	0.00023	0.35	<0.0005	<0.0002	1.3	<0.00005	1.29	0.0273
MC-M2	2-Jun-2021	<0.0001	<0.0001	0.00008	6.56	<0.0005	<0.0001	0.00161	0.038	<0.05	0.00015	0.43	0.00515	0.00046	<0.0004	0.0003	0.22	<0.0005	<0.0002	<1	<0.00005	1.11	0.0157
MC-M2	8-Jul-2021	<0.0001	<0.0001	0.000192	11.7	<0.0005	<0.0001	0.00306	0.015	<0.05	0.00037	1.2	0.0164	0.0009	<0.0004	0.00063	0.69	0.00063	<0.0002	1.3	<0.00005	1.66	0.0404
MC-M2	10-Aug-2021	<0.0001	<0.0001	0.000316	22.3	<0.0005	0.00011	0.00601	<0.01	<0.05	0.00063	2.13	0.0252	0.00165	<0.0004	<0.0002	1.1	0.00061	<0.0002	1.2	<0.00005	3.31	0.0625
MC-M2	15-Sep-2021	<0.0001	<0.0001	0.000378	26.3	<0.0005	0.0002	0.00802	0.017	<0.05	0.00071	2.25	0.0304	0.00222	0.00056	0.00033	1.43	0.00157	<0.0002	1.6	<0.00005	3.93	0.0762
MC-M2	13-Oct-2021	<0.0001	<0.0001	0.00015	14.8	<0.0005	<0.0001	0.00338	0.016	<0.05	0.00017	1.06	0.00897	0.00034	<0.0004	0.00037	0.55	<0.0005	<0.0002	1.5	<0.00005	1.79	0.0418
MC-M2	15-Nov-2021	<0.0001	<0.0001	0.000213	9.67	0.00057	0.00017	0.00471	0.198	<0.05	0.00019	0.919	0.0229	0.0003	0.00071	0.00096	0.25	<0.0005	<0.0002	1.4	<0.00005	1.14	0.0193
MC-M2	14-Dec-2021	<0.0001	<0.0001	0.00039	26	<0.0005	0.00011	0.00863	0.028	<0.05	0.00054	2.44	0.0229	0.00096	0.00042	0.00038	0.86	<0.0005	<0.0002	1.6	<0.00005	2.43	0.0679
MC-TP4	21-Jan-2021	<0.0001	<0.0001	0.000206	21.4	<0.0005	<0.0001	0.00331	<0.01	<0.05	0.00042	1.95	0.00386	0.00098	<0.0004	0.00123	0.62	<0.0005	<0.0002	1.7	<0.00005	1.77	0.0651
MC-TP4	10-Feb-2021	<0.0001	<0.0001	0.000248	29.8	<0.0005	<0.0001	0.00681	0.031	<0.05	0.00063	2.96	0.0136	0.00107	<0.0004	0.00077	0.77	<0.0005	<0.0002	2	<0.00005	2.28	0.0989
MC-TP4	10-Mar-2021	<0.0001	<0.0001	0.000381	30.3	<0.0005	0.00012	0.00802	0.016	<0.05	0.00071	2.4	0.0206	0.00062	0.00041	0.00037	0.61	<0.0005	<0.0002	1.8	<0.00005	2.39	0.085
MC-TP4	14-Apr-2021	<0.0001	<0.0001	0.000155	17.5	<0.0005	<0.0001	0.0038	0.015	<0.05	0.00038	1.62	0.009	0.00151	<0.0004	0.00055	0.86	<0.0005	<0.0002	2	<0.00005	1.93	0.0521
MC-TP4	5-May-2021	<0.0001	<0.0001	0.000096	10.1	<0.0005	<0.0001	0.00239	0.02	<0.05	0.00024	0.803	0.00573	0.0019	0.00076	0.00029	0.4	<0.0005	<0.0002	1.3	<0.00005	1.46	0.0302
MC-TP4	19-May-2021	<0.00001	<0.00001	0.000228	25.3	0.00023	0.0000274	0.00345	0.0157	0.011	0.000112	1.7	0.00296	0.000744	0.000216	0.00054	0.389	0.00018	0.000092	2.07	<0.00001	1.46	0.0486
MC-TP4	20-May-2021	<0.00001	<0.00001	0.000215	25.2	0.00014	0.0000123	0.0021	0.0073	<0.01	0.000129	1.67	0.00232	0.000628	0.000221	0.000222	0.448	0.00015	<0.00005	2.05	<0.00001	1.48	0.049
MC-TP4	21-May-2021	<0.00001	<0.00001	0.000207	25.3	0.00015	0.0000143	0.00206	0.0056	<0.01	0.000119	1.67	0.00253	0.000616	0.000294	0.000147	0.41	0.00019	0.000172	1.96	<0.00001	1.46	0.0488
MC-TP4	22-May-2021	<0.00001	<0.00001	0.000213	23.5	0.00012	0.000017	0.00323	0.0051	<0.01	0.000113	1.57	0.00315	0.000576	0.000172	0.000266	0.465	0.00019	<0.00005	1.98	<0.00001	1.46	0.0453
MC-TP4	23-May-2021	<0.00001	<0.00001	0.000227	22.8	0.00014	0.000013	0.00232	0.0057	<0.01	0.000103	1.48	0.000791	0.000573	0.000184	0.000204	0.41	0.00017	<0.00005	1.84	<0.00001	1.34	0.0426
MC-TP4	24-May-2021	<0.00001	<0.00001	0.000229	21.7	0.00012	0.0000179	0.00278	0.0064	<0.01	0.000115	1.42	0.0029	0.00053	0.000173	0.00018	0.38	0.00012	<0.00005	1.82	<0.00001	1.28	0.0413
MC-TP4	25-May-2021	<0.00001	<0.00001	0.000225	22.1	0.00027	0.0000147	0.00235	0.0091	<0.01	0.000109	1.47	0.00158	0.00053	0.000237	0.000193	0.37	0.00017	<0.00005	1.86	<0.00001	1.27	0.0419
MC-TP4	26-May-2021	<0.00001	<0.00001	0.000229	23.4	0.0001	0.0000125	0.00197	0.0065	<0.01	0.000106	1.55	0.00124	0.000585	0.000189	0.000248	0.37	0.00015	<0.00005	1.96	<0.00001	1.35	0.0445
MC-TP4	2-Jun-2021	<0.0001	<0.0001	0.000034	6	<0.0005	<0.0001	0.00101	0.015	<0.05	0.00015	0.351	0.00248	0.00044	<0.0004	<0.0002	0.19	<0.0005	<0.0002	<1	<0.00005	1.05	0.0145
MC-TP4	2-Jun-2021	<0.0001	<0.0001	0.000048	6.53	<0.0005	<0.0001	0.00119	0.02	<0.05	0.00018	0.388	0.00276	0.0005	<0.0004	0.00033	0.22	<0.0005	<0.0002	<1	<0.00005	1.19	0.017
MC-TP4	7-Jul-2021	<0.0001	<0.0001	0.000229	11.8	<0.0005	<0.0001	0.00329	0.011	<0.05	0.00031	1.18	0.0175	0.00179	<0.0004	0.0003	0.55	0.00116	<0.0002	1.1	<0.00005	1.47	0.0372
MC-TP4	10-Aug-2021	<0.0001	<0.0001	0.000438	26.5	<0.0005	0.00012	0.00802	0.025	<0.05	0.00081	2.64	0.032	0.00222	0.00063	0.00083	1.49	0.00096	<0.0002	1.2	<0.00005	4.16	0.0789
MC-TP4	18-Aug-2021	<0.0001	<0.0001	0.000595	32.3	<0.0005	0.00017	0.00999	0.01	<0.05	0.00135	3.49	0.0468	0.00829	0.00099	0.00037	3.06	0.00152	<0.0002	1.7	0.000062	6.39	0.105
MC-TP4	7-Sep-2021	0.000023	<0.00001	0.000737	36.7	0.00017	0.000157	0.00313	0.0052	<0.01	0.000489	3.87	0.0407	0.00168	0.000772	0.000114	1.62	0.0005	<0.00005	2.11	<0.00001	4.59	0.0942
MC-TP4	8-Sep-2021	<0.00001	<0.00001	0.000636	35.8	0.00033	0.0000813	0.00298	0.008	<0.01	0.000466	3.69	0.018	0.00148	0.000555	0.000226	1.42	0.00045	0.000063	2.17	<0.00001	4.35	0.0905
MC-TP4	9-Sep-2021	<0.00001	<0.00001	0.000556	37	0.0002	0.0000792	0.00306	0.009	<0.01	0.000473	4.1	0.0207	0.00173	0.000526	0.000205	1.6	0.00047	<0.00005	2.15	<0.00001	4.91	0.103
MC-TP4	10-Sep-2021	<0.00001	<0.00001	0.000543	37.1	0.00016	0.0000736	0.00161	0.012	<0.01	0.000511	3.91	0.015	0.00161	0.000463	0.000127	1.47	0.00049	<0.00005	2.08	<0.00001	4.64	0.0995
MC-TP4	11-Sep-2021	<0.00001	<0.00001	0.000629	38.5	0.00018	0.0000952	0.00277	0.0122	<0.01	0.00051	4.2	0.0192	0.00191	0.000585	0.000172	1.73	0.00049	<0.00005	2.39	<0.00001	5.12	0.108
MC-TP4	12-Sep-2021	<0.00001	<0.00001	0.000605	39.3	0.00019	0.000129	0.00255	0.0084	<0.01	0.000523	4.1	0.0318	0.00213	0.00062	0.000151	1.8	0.00056	<0.00005	2.28	<0.00001	5.23	0.107
MC-TP4	13-Sep-2021	<0.00001	<0.00001	0.000702	39.1	0.00018	0.0000972	0.00371	0.0152	<0.01	0.000468	3.98	0.0215	0.00185	0.000735	0.000182	1.66	0.00054	0.000053	2.26	<0.00001	4.99	0.101
MC-TP4	15-Sep-2021	<0.0001	<0.0001	0.00038	27.5	<0.0005	0.00016	0.00953	0.014	<0.05	0.00082	2.2	0.0337	0.00255	0.00085	0.00039	1.57	0.00075	<0.0002	1.6	<0.00005	4.33	0.0839
MC-TP4	12-Oct-2021	<0.00001	<0.00001	0.000383	36	0.00019	0.0000181	0.00167	0.0144	<0.01	0.000146	2.86	0.00118	0.000511	0.00025	0.000186	0.548	0.00027	<0.00005	2.37	<0.00001	1.98	0.065
MC-TP4	13-Oct-2021	<0.0001	<0.0001	0.000141	14.8	<0.0005	<0.0001	0.00355	0.017	<0.05	0.0002	1.04	0.00898	0.00039	<0.0004	0.00044	0.6	<0.0005	<0.0002	1.4	<0.00005	1.88	0.0447
MC-TP4	13-Oct-2021	<0.00001	<0.00001	0.000395	35.5	<0.0001	0.0000155	0.00169	0.0097	<0.01	0.000158	2.81	0.000995	0.000514	0.000246	0.000155	0.545	0.00028	<0.00005	2.41	<0.00001	1.95	0.0644
MC-TP4	14-Oct-2021	<0.00001	<0.00001	0.000381	33.7	0.00026	0.0000264	0.00221	0.0231	<0.01	0.000135	2.62	0.00225	0.000518	0.00029	0.000352	0.513	0.00027	<0.00005	2.31	<0.00001	1.83	0.06
MC-TP4	15-Oct-2021	<0.00001	<0.00001	0.000349	26.8	0.00021	0.0000474	0.00477	0.0673	<0.01	0.000139	2.33	0.00323	0.000506	0.000211	0.000733	0.446	0.00019	<0.00005	2.43	<0.00001	1.59	0.0516
MC-TP4	16-Oct-2021	0.000013	<0.00001	0.000335	26.4	0.0002	0.0000524	0.00499	0.0798	<0.01	0.000147	2.32	0.00462	0.000402	0.000206	0.000615	0.412	0.00018	<0.00005	2.47	<0.00001	1.56	0.0516
MC-TP4	17-Oct-2021	<0.00001	<0.00001	0.000432	34	0.00019	0.0000847	0.00739	0.131	<0.01	0.000227	2.88	0.0087	0.00054	0.000263	0.00109	0.5	0.00029	<0.00005	2.95	0.000023	1.76	0.067
MC-TP4	18-Oct-2021	<0.00001	<0.00001	0.000412	35.9	0.00045	0.000073	0.0039	0.106	<0.01	0.000189	2.86	0.00606	0.000571	0.000414	0.000705	0.504	0.00023	<0.00005	2.97	0.000014	1.77	0.0684
MC-TP4	27-Oct-2021	<0.00001	<0.00001	0.000333	32.6	0.00029	0.000111	0.00628	0.176	0.012	0.000177	2.45	0.018	0.000487	0.000423	0.00105	0.405	0.00031	<0.00005	2.52	0.000024	1.36	0.0532
MC-TP4	28-Oct-2021	<0.00001	<0.00001	0.000308	35.6	0.00035	0.0000508	0.00229	0.0439	<0.01	0.000184	2.79	0.0158	0.000534	0.000363	0.00025	0.436	0.00028	<0.00005	2.71	<0.00001	1.49	0.0578
MC-TP4	29-Oct-2021	<0.00001	<0.00001	0.000401	36.6	0.00032	0.000189	0.00702	0.211	<0.01	0.00019	2.8	0.027	0.00058	0.000417	0.00175	0.477	0.0003	<0.00005	2.63	0.000036	1.54	0.0628

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MC-M2	21-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000028	<0.001	0.0745	<0.0001	-	0.0399	11.7	<0.0005	<0.05	<0.0001	<0.0001	0.0136	0.000181	19	<0.0005	<0.0001	0.0041	<0.01
MC-M2	10-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026	<0.001	0.0808	<0.0001	-	0.0376	18.1	<0.0005	<0.05	<0.0001	<0.0001	0.0096	0.000197	27.1	<0.0005	<0.0001	0.00246	<0.01
MC-M2	10-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000028	<0.001	0.117	<0.0001	-	0.0339	16.8	<0.0005	<0.05	<0.0001	<0.0001	0.0088	0.000239	20.7	<0.0005	<0.0001	0.00331	<0.01
MC-M2	15-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00004	<0.001	0.0595	<0.0001	<0.00001	0.041	13.6	<0.0005	<0.05	<0.0001	<0.0001	0.0085	0.000122	18.8	<0.0005	<0.0001	0.00237	<0.01
MC-M2	5-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026	<0.001	0.0466	<0.0001	-	0.102	7.4	<0.0005	<0.05	<0.0001	<0.0001	0.0107	0.000118	41.7	<0.0005	<0.0001	0.0032	0.035
MC-M2	2-Jun-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	<0.001	0.0324	<0.0001	-	0.0454	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000063	6.15	<0.0005	<0.0001	0.00098	<0.01
MC-M2	8-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0686	<0.0001	<0.00001	0.0312	8.5	<0.0005	<0.05	<0.0001	<0.0001	0.0068	0.000173	11.9	<0.0005	<0.0001	0.00199	<0.01
MC-M2	10-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	0.0015	0.147	<0.0001	-	0.0407	18.2	<0.0005	<0.05	<0.0001	<0.0001	0.0114	0.000314	20.8	<0.0005	<0.0001	0.00524	<0.01
MC-M2	15-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.165	<0.0001	<0.00001	0.0497	24.9	<0.0005	<0.05	<0.0001	<0.0001	0.0118	0.000379	26.8	<0.0005	0.00012	0.0068	<0.01
MC-M2	13-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000027	<0.001	0.0618	<0.0001	-	0.0585	13	<0.0005	<0.05	<0.0001	<0.0001	0.0077	0.000151	16.6	<0.0005	<0.0001	0.00274	<0.01
MC-M2	15-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000029	<0.001	0.0729	<0.0001	<0.00001	0.0623	4.8	<0.0005	<0.05	<0.0001	<0.0001	0.0053	0.000164	8.77	<0.0005	<0.0001	0.00169	<0.01
MC-M2	14-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026	<0.001	0.137	<0.0001	-	<0.005	17.1	<0.0005	<0.05	<0.0001	<0.0001	0.009	0.000373	25.6	<0.0005	<0.0001	0.00529	<0.01
MC-TP4	21-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000029	<0.001	0.0797	<0.0001	-	0.036	13.8	<0.0005	<0.05	<0.0001	<0.0001	0.0102	0.000175	19.6	0.00085	<0.0001	0.00211	<0.01
MC-TP4	10-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00003	<0.001	0.0856	<0.0001	-	0.0476	23.2	<0.0005	<0.05	<0.0001	<0.0001	0.0096	0.000201	28.8	<0.0005	<0.0001	0.00288	<0.01
MC-TP4	10-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000027	<0.001	0.162	<0.0001	-	0.0599	20.5	<0.0005	<0.05	<0.0001	<0.0001	0.0108	0.000348	23.5	<0.0005	0.00012	0.00548	<0.01
MC-TP4	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000036	<0.001	0.0678	<0.0001	<0.00001	0.0414	11.5	<0.0005	<0.05	<0.0001	<0.0001	0.0092	0.000149	16.8	<0.0005	<0.0001	0.00285	<0.01
MC-TP4	5-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000027	<0.001	0.0428	<0.0001	-	0.0583	7.1	<0.0005	<0.05	<0.0001	<0.0001	0.0061	0.00008	10.2	<0.0005	<0.0001	0.00173	<0.01
MC-TP4	19-May-2021	<0.00005	<0.000004	<0.00001	0.00038	<0.0002	0.0000118	<0.0002	0.0696	<0.00002	-	0.0286	9.21	0.000081	0.0056	<0.00001	<0.00001	0.0221	0.000199	24.8	0.00019	0.0000168	0.00299	0.0026
MC-TP4	20-May-2021	<0.00005	<0.000004	<0.00001	0.00034	<0.0002	0.000011	<0.0002	0.0659	<0.00002	-	0.0244	9.21	0.000088	0.0047	<0.00001	<0.00001	0.0228	0.000215	24.4	0.00013	0.0000161	0.00206	0.0025
MC-TP4	21-May-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000116	<0.0002	0.0574	<0.00002	-	0.0318	8.89	0.000086	0.0045	<0.00001	<0.00001	0.0223	0.000201	24.2	0.00012	0.0000155	0.0019	0.0023
MC-TP4	22-May-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000095	<0.0002	0.0637	<0.00002	-	0.0253	8.36	0.000095	0.0042	<0.00001	<0.00001	0.0219	0.000205	22.5	0.00014	0.0000213	0.00294	0.0027
MC-TP4	23-May-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000107	<0.0002	0.0727	<0.00002	-	0.0244	7.47	0.000071	0.0038	<0.00001	<0.00001	0.0188	0.000212	21.5	0.00011	0.0000123	0.00213	0.0025
MC-TP4	24-May-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000091	<0.0002	0.076	<0.00002	-	0.0236	7.41	0.000066	0.0034	<0.00001	<0.00001	0.0195	0.000219	20.6	0.0001	0.0000174	0.00255	0.003
MC-TP4	25-May-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000103	0.00022	0.0721	<0.00002	-	0.0206	7.35	0.000074	0.0034	<0.00001	<0.00001	0.0195	0.000214	21	0.00012	0.0000159	0.00216	0.0028
MC-TP4	26-May-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000101	<0.0002	0.0776	<0.00002	-	0.0171	7.92	0.000057	0.0033	<0.00001	<0.00001	0.0189	0.000208	21.7	0.00015	0.0000129	0.00177	0.0024
MC-TP4	2-Jun-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0167	<0.0001	-	0.0446	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000044	5.75	<0.0005	<0.0001	0.00056	<0.01
MC-TP4	2-Jun-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	<0.001	0.0241	<0.0001	-	0.0529	4.5	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000037	6.77	<0.0005	<0.0001	0.00063	<0.01
MC-TP4	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.102	<0.0001	<0.00001	0.0393	9.6	<0.0005	<0.05	<0.0001	<0.0001	0.0075	0.000219	12	<0.0005	<0.0001	0.00257	<0.01
MC-TP4	10-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	0.002	0.212	<0.0001	-	0.0564	24.7	<0.0005	<0.05	<0.0001	<0.0001	0.011	0.000463	25.5	<0.0005	0.00012	0.00661	<0.01
MC-TP4	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.307	<0.0001	-	0.0585	37.7	<0.0005	<0.05	<0.0001	<0.0001	0.0151	0.000642	34.4	<0.0005	0.00018	0.0102	<0.01
MC-TP4	7-Sep-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000113	<0.0002	0.279	<0.00002	-	0.0271	34.9	0.000215	0.0119	<0.00001	<0.00001	0.04	0.000721	34.9	0.00057	0.000147	0.00343	0.0037
MC-TP4	8-Sep-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000105	<0.0002	0.238	<0.00002	-	0.0227	30.5	0.000167	0.0106	<0.00001	<0.00001	0.036	0.000594	33.7	0.00018	0.0000818	0.00294	0.003
MC-TP4	9-Sep-2021	<0.00005	0.0000043	<0.00001	<0.0002	<0.0002	0.0000097	<0.0002	0.187	<0.00002	-	0.0212	36.9	0.000194	0.0113	<0.00001	<0.00001	0.0382	0.000545	36.7	0.0002	0.000078	0.0031	0.0041
MC-TP4	10-Sep-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000091	0.0002	0.194	<0.00002	-	0.021	35.1	0.000176	0.0114	<0.00001	<0.00001	0.0374	0.000544	37.3	0.00022	0.0000715	0.00168	0.0048
MC-TP4	11-Sep-2021	0.000061	0.0000046	<0.00001	<0.0002	<0.0002	0.0000091	<0.0002	0.226	<0.00002	-	0.0194	36.7	0.000192	0.0119	<0.00001	<0.00001	0.0391	0.000597	38.8	0.00016	0.0000877	0.00259	0.0039
MC-TP4	12-Sep-2021	<0.00005	0.0000046	<0.00001	<0.0002	<0.0002	0.0000108	<0.0002	0.235	<0.00002	-	0.0186	37.6	0.000187	0.0123	0.000021	<0.00001	0.0396	0.000607	38.5	0.00021	0.000134	0.00292	0.0043
MC-TP4	13-Sep-2021	<0.00005	0.0000046	<0.00001	0.00033	<0.0002	0.0000098	<0.0002	0.264	<0.00002	-	0.0184	35.6	0.000182	0.0117	<0.00001	<0.00001	0.0389	0.000677	38.2	0.00018	0.0000959	0.00315	0.0036
MC-TP4	15-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.142	<0.0001	-	0.0606	24.7	<0.0005	<0.05	<0.0001	<0.0001	0.0099	0.00038	28.1	<0.0005	0.00014	0.00864	<0.01
MC-TP4	12-Oct-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000117	<0.0002	0.127	<0.00002	-	0.0121	20.1	0.000097	0.0061	<0.00001	<0.00001	0.0305	0.000354	32.1	<0.0001	0.0000124	0.00177	<0.002
MC-TP4	13-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00003	<0.001	0.0547	<0.0001	-	0.0688	14.6	<0.0005	<0.05	<0.0001	<0.0001	0.0075	0.000131	17.2	<0.0005	<0.0001	0.00284	<0.01
MC-TP4	13-Oct-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000105	<0.0002	0.134	<0.00002	-	0.0104	19	0.000087	0.0061	<0.00001	<0.00001	0.03	0.000347	31.3	<0.0001	0.0000125	0.00161	<0.002
MC-TP4	14-Oct-2021	<0.00005	<0.000004	<0.00001	0.00025	<0.0002	0.0000105	<0.0002	0.124	<0.00002	-	0.0109	17.6	0.000077	0.0056	<0.00001	<0.00001	0.0284	0.000328	29.2	0.00017	0.0000139	0.00179	<0.002
MC-TP4	15-Oct-2021	<0.00005	<0.000004	<0.00001	0.00166	<0.0002	0.0000136	0.00025	0.113	<0.00002	-	0.0188	13.3	0.000073	0.0044	<0.00001	<0.00001	0.0204	0.000284	22.2	0.00059	0.0000162	0.0032	0.0078
MC-TP4	16-Oct-2021	<0.00005	<0.000004	<0.00001	0.00199	<0.0002	0.0000144	0.00032	0.119	<0.00002	-	0.0198	13.1	0.000081	0.0037	<0.00001	<0.00001	0.0216	0.000289	23.5	<0.0001	0.0000161	0.00314	0.0066
MC-TP4	17-Oct-2021	<0.00005	<0.000004	<0.00001	0.00328	<0.0002	0.0000188	0.00049	0.15	<0.00002	-	0.0165	15.7	0.000128	0.0038	<0.00001	<0.00001	0.0271	0.000353	28.5	0.00011	0.0000218	0.0031	0.0028
MC-TP4	18-Oct-2021	<0.00005	<0.000004	<0.00001	0.00366	<0.0002	0.0000173	0.00063	0.132	<0.00002	-	0.0157	16.9	0.000151	0.004	<0.00001	<0.00001	0.0277	0.000381	31.1	0.00072	0.0000391	0.00236	0.006
MC-TP4	27-Oct-2021	<0.00005	<0.000004	<0.00001	0.00436	<0.0002	0.0000234	0.00101	0.106	<0.00002	-	0.0188	12.8	0.00007	0.0045	<0.00001	<0.00001	0.0246	0.000278	28.9	0.00021	0.0000174	0.00222	0.0031
MC-TP4	28-Oct-2021	<0.00005	<0.000004	<0.00001	0.00058	<0.0002	0.0000166	0.00056	0.0993	<0.00002	-	0.013	15.1	0.000094	0.004	<0.00001	<0.00001	0.0271	0.000273	30.4	0.00015	0.0000179	0.00135	0.0029
MC-TP4	29-Oct-2021	<0.00005	<0.000004	<0.00001	0.00388	<0.0002	0.0000316	0.00105	0.128	<0.00002	-	0.0139	16.9	0.000075	0.004	<0.00001	<0.00001	0.0283	0.000328	33.1	0.00015	0.0000383	0.0016	0.002

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MC-M2	21-Jan-2021	<0.05	0.00024	1.53	0.00295	0.00084	<0.0004	0.00038	0.45	0.00046	<0.0005	1.9	0.0574	<0.0002	<0.00005	1.47	0.00046	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000027
MC-M2	10-Feb-2021	<0.05	0.00052	2.61	0.00678	0.00094	<0.0004	<0.0002	0.64	0.00039	<0.0005	1.6	0.0859	<0.0002	<0.00005	1.96	0.00026	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023
MC-M2	10-Mar-2021	<0.05	0.00038	1.58	0.00749	0.00046	<0.0004	<0.0002	0.46	0.0002	<0.0005	1.5	0.0715	<0.0002	<0.00005	1.53	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002
MC-M2	15-Apr-2021	<0.05	0.00044	1.65	0.00629	0.00104	<0.0004	<0.0002	0.71	0.00059	<0.0005	1.7	0.0554	<0.0002	<0.00005	1.79	0.00058	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00003
MC-M2	5-May-2021	<0.05	0.00024	1.15	0.0084	0.0009	0.00176	0.00042	0.43	0.00049	<0.0005	1.5	0.0577	0.00022	<0.00005	2.36	0.00049	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000101
MC-M2	2-Jun-2021	<0.05	0.00012	0.404	0.00314	0.00034	<0.0004	<0.0002	0.19	0.00021	<0.0005	<1	0.0155	<0.0002	<0.00005	1.03	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-M2	8-Jul-2021	<0.05	0.00029	1.1	0.0137	0.00094	<0.0004	<0.0002	0.53	0.0007	<0.0005	1.1	0.0375	<0.0002	<0.00005	1.46	0.00075	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-M2	10-Aug-2021	<0.05	0.00049	2.08	0.0242	0.00178	0.00044	<0.0002	1.12	0.00129	0.00099	1.5	0.0664	<0.0002	<0.00005	3.14	0.00119	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-M2	15-Sep-2021	<0.05	0.00067	2.46	0.0313	0.00227	0.00051	<0.0002	1.51	0.00113	0.00065	1.6	0.0828	<0.0002	<0.00005	4.25	0.00112	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-M2	13-Oct-2021	<0.05	0.00015	1.03	0.00811	0.00036	<0.0004	<0.0002	0.57	<0.0002	<0.0005	1.6	0.0442	<0.0002	<0.00005	1.79	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026
MC-M2	15-Nov-2021	<0.05	0.00013	0.782	0.00731	0.00024	<0.0004	<0.0002	0.2	<0.0002	<0.0005	1	0.017	<0.0002	<0.00005	1.04	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-M2	14-Dec-2021	<0.05	0.00053	2.32	0.0168	0.00089	<0.0004	<0.0002	0.79	0.00076	<0.0005	1.5	0.0633	<0.0002	<0.00005	2.28	0.00054	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000028
MC-TP4	21-Jan-2021	<0.05	0.00027	1.86	0.00333	0.00085	0.00057	0.00024	0.59	0.00067	<0.0005	2.2	0.0605	<0.0002	<0.00005	1.77	0.0005	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026
MC-TP4	10-Feb-2021	<0.05	0.00063	2.8	0.00637	0.00108	<0.0004	<0.0002	0.73	0.00042	<0.0005	1.9	0.0943	<0.0002	<0.00005	2.14	0.00034	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000027
MC-TP4	10-Mar-2021	<0.05	0.00044	1.99	0.0142	0.00052	0.00063	<0.0002	0.56	<0.0002	<0.0005	2	0.0791	<0.0002	<0.00005	1.75	0.00025	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023
MC-TP4	14-Apr-2021	<0.05	0.00039	1.41	0.00677	0.00115	<0.0004	<0.0002	0.79	0.00073	<0.0005	2.1	0.0495	<0.0002	<0.00005	1.89	0.00071	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00003
MC-TP4	5-May-2021	<0.05	0.00023	0.774	0.00394	0.00068	<0.0004	<0.0002	0.39	0.0006	<0.0005	1.2	0.0302	<0.0002	<0.00005	1.41	0.00054	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025
MC-TP4	19-May-2021	<0.01	0.000128	1.67	0.00152	0.000557	0.000298	0.000184	0.427	0.000296	0.00025	1.94	0.0486	<0.00005	<0.00001	1.55	0.000323	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000108
MC-TP4	20-May-2021	<0.01	0.000117	1.64	0.00197	0.000591	0.000212	0.00018	0.44	0.000329	0.00041	1.91	0.0466	<0.00005	<0.00001	1.5	0.000269	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000103
MC-TP4	21-May-2021	0.011	0.00012	1.61	0.00213	0.00056	0.000188	0.000093	0.396	0.000359	0.0005	1.98	0.0465	<0.00005	<0.00001	1.42	0.00028	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000108
MC-TP4	22-May-2021	<0.01	0.000108	1.51	0.00255	0.00058	0.000226	0.000211	0.447	0.000323	0.00046	1.85	0.0431	<0.00005	<0.00001	1.46	0.000284	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000096
MC-TP4	23-May-2021	<0.01	0.0001	1.42	0.000468	0.000543	0.000196	0.000121	0.395	0.000313	0.00048	1.81	0.0404	<0.00005	<0.00001	1.31	0.000275	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000098
MC-TP4	24-May-2021	<0.01	0.000114	1.34	0.00247	0.000505	0.000172	0.000117	0.358	0.000274	0.00042	1.82	0.0391	<0.00005	<0.00001	1.22	0.000252	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000091
MC-TP4	25-May-2021	<0.01	0.0001	1.43	0.00116	0.000496	0.000191	0.000114	0.374	0.000276	0.00047	1.81	0.0399	<0.00005	<0.00001	1.26	0.00025	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000087
MC-TP4	26-May-2021	<0.01	0.000091	1.44	0.000916	0.000511	0.00016	0.000105	0.34	0.000301	0.0005	1.76	0.0415	<0.00005	<0.00001	1.26	0.000257	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000091
MC-TP4	2-Jun-2021	<0.05	0.00013	0.35	0.00219	0.00035	<0.0004	<0.0002	0.2	0.00021	<0.0005	<1	0.0153	<0.0002	<0.00005	1.05	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002
MC-TP4	2-Jun-2021	<0.05	0.00017	0.416	0.00198	0.00045	<0.0004	<0.0002	0.21	0.00027	<0.0005	<1	0.0174	<0.0002	<0.00005	1.23	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021
MC-TP4	7-Jul-2021	<0.05	0.00029	1.2	0.0157	0.001	<0.0004	<0.0002	0.55	0.00076	0.00068	1	0.0364	<0.0002	<0.00005	1.64	0.00068	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002
MC-TP4	10-Aug-2021	<0.05	0.00066	2.61	0.0298	0.00223	0.00055	<0.0002	1.51	0.00165	0.00144	1.7	0.0839	<0.0002	<0.00005	3.94	0.00164	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021
MC-TP4	18-Aug-2021	<0.05	0.00143	3.75	0.0478	0.00408	0.00097	<0.0002	2.95	0.00288	0.00171	1.9	0.111	<0.0002	0.000051	6.58	0.0029	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022
MC-TP4	7-Sep-2021	<0.01	0.000488	3.78	0.0389	0.00165	0.000938	0.000229	1.61	0.00176	0.00053	2.15	0.0906	<0.00005	<0.00001	4.73	0.00168	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000115
MC-TP4	8-Sep-2021	<0.01	0.000442	3.44	0.0167	0.00138	0.000582	0.000119	1.3	0.00143	0.00045	1.99	0.0837	<0.00005	<0.00001	4.12	0.00132	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000103
MC-TP4	9-Sep-2021	<0.01	0.000482	3.92	0.0199	0.00177	0.000591	0.000118	1.57	0.00125	0.00046	2.22	0.101	<0.00005	<0.00001	4.71	0.00125	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.00001
MC-TP4	10-Sep-2021	<0.01	0.000525	3.8	0.014	0.0016	0.000555	0.000136	1.45	0.00116	0.00042	2.24	0.0972	<0.00005	<0.00001	4.52	0.00113	<0.00005	0.0000042	<0.00001	<0.0002	<0.0002	0.000009
MC-TP4	11-Sep-2021	<0.01	0.000517	3.9	0.0172	0.00182	0.000646	0.000114	1.62	0.00134	0.00043	2.09	0.102	<0.00005	<0.00001	4.75	0.00125	<0.00005	0.0000051	<0.00001	<0.0002	<0.0002	0.0000098
MC-TP4	12-Sep-2021	<0.01	0.000512	4	0.0309	0.00213	0.000713	0.000106	1.8	0.00133	0.00049	2.15	0.105	<0.00005	<0.00001	5.18	0.00129	<0.00005	0.0000049	<0.00001	<0.0002	<0.0002	0.0000094
MC-TP4	13-Sep-2021	<0.01	0.000476	3.82	0.0205	0.00185	0.000795	0.0001	1.61	0.00111	0.00052	2.25	0.099	<0.00005	<0.00001	4.73	0.00107	<0.00005	0.000005	<0.00001	<0.0002	<0.0002	0.0000097
MC-TP4	15-Sep-2021	<0.05	0.00071	2.31	0.0326	0.00232	0.00052	<0.0002	1.62	0.00126	0.00138	1.6	0.0814	<0.0002	<0.00005	4.3	0.00109	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4	12-Oct-2021	<0.01	0.000159	2.72	0.000489	0.000485	0.000287	0.000054	0.53	0.000284	0.00023	2.27	0.0652	0.000112	<0.00001	1.92	0.000282	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000111
MC-TP4	13-Oct-2021	<0.05	0.00016	1.03	0.0079	0.00039	<0.0004	<0.0002	0.65	0.00023	<0.0005	1.7	0.045	<0.0002	<0.00005	1.94	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000029
MC-TP4	13-Oct-2021	<0.01	0.000188	2.67	0.000328	0.000465	0.000251	0.00005	0.537	0.000277	0.00019	2.35	0.0642	0.000161	<0.00001	1.89	0.000248	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000101
MC-TP4	14-Oct-2021	<0.01	0.000155	2.5	0.000585	0.000456	0.000259	0.000051	0.501	0.000267	0.0002	2.21	0.0596	0.000182	<0.00001	1.86	0.000229	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000098
MC-TP4	15-Oct-2021	<0.01	0.000134	1.95	0.000817	0.000355	0.000291	0.000161	0.382	0.000229	0.00018	1.97	0.0434	0.000147	<0.00001	1.39	0.000191	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.00001
MC-TP4	16-Oct-2021	<0.01	0.000125	2.03	0.00125	0.000354	0.00022	0.000233	0.372	0.000225	0.00018	2	0.0459	<0.00005	<0.00001	1.42	0.000175	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000092
MC-TP4	17-Oct-2021	<0.01	0.000185	2.41	0.00236	0.000415	0.000199	0.000133	0.416	0.000307	0.00022	2.3	0.0572	<0.00005	<0.00001	1.5	0.000215	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000106
MC-TP4	18-Oct-2021	<0.01	0.000209	2.45	0.00202	0.000463	0.0018	0.000089	0.573	0.000298	0.00023	2.29	0.0662	0.00227	0.000025	1.58	0.000226	<0.00005	0.0000057	<0.00001	<0.0002	<0.0002	0.0000145
MC-TP4	27-Oct-2021	<0.01	0.000132	2.13	0.00485	0.000429	0.000203	0.000091	0.338	0.000263	0.00026	2.01	0.047	<0.00005	<0.00001	1.28	0.000215	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000142
MC-TP4	28-Oct-2021	<0.01	0.000156	2.49	0.00967	0.000452	0.000228	0.000099	0.377	0.000247	0.00032	2.2	0.0547	<0.00005	<0.00001	1.37	0.000229	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000137
MC-TP4	29-Oct-2021	<0.01	0.00013	2.5	0.00853	0.000516	0.000196	0.000054	0.413	0.000291	0.00031	2.14	0.0559	<0.00005	<0.00001	1.42	0.000266	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000157

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MC-M2	21-Jan-2021	<0.001	0.0782	<0.0001	-	-	-	-	-
MC-M2	10-Feb-2021	<0.001	0.0559	<0.0001	-	-	-	-	-
MC-M2	10-Mar-2021	<0.001	0.0916	<0.0001	-	-	-	-	-
MC-M2	15-Apr-2021	<0.001	0.0536	<0.0001	<0.00001	-	<0.005	-	-
MC-M2	5-May-2021	<0.001	0.0592	<0.0001	-	-	-	-	-
MC-M2	2-Jun-2021	0.0011	0.0197	<0.0001	-	-	-	-	-
MC-M2	8-Jul-2021	<0.001	0.0539	<0.0001	<0.00001	-	<0.005	-	-
MC-M2	10-Aug-2021	<0.001	0.147	<0.0001	-	-	-	-	-
MC-M2	15-Sep-2021	<0.005	0.168	<0.0001	<0.00001	-	<0.01	-	-
MC-M2	13-Oct-2021	<0.001	0.0549	<0.0001	-	-	-	-	-
MC-M2	15-Nov-2021	<0.001	0.0595	<0.0001	<0.00001	-	-	-	-
MC-M2	14-Dec-2021	<0.001	0.121	<0.0001	-	-	-	-	-
MC-TP4	21-Jan-2021	<0.001	0.074	<0.0001	-	-	-	-	-
MC-TP4	10-Feb-2021	<0.001	0.0582	0.00012	-	-	-	-	-
MC-TP4	10-Mar-2021	<0.001	0.197	<0.0001	-	-	-	-	-
MC-TP4	14-Apr-2021	<0.001	0.038	<0.0001	<0.00001	-	-	-	-
MC-TP4	5-May-2021	<0.001	0.0336	<0.0001	-	-	-	-	-
MC-TP4	19-May-2021	0.00022	0.0614	<0.00002	-	-	-	-	-
MC-TP4	20-May-2021	0.00028	0.0644	<0.00002	-	-	-	-	-
MC-TP4	21-May-2021	0.00025	0.0561	<0.00002	-	-	-	-	-
MC-TP4	22-May-2021	0.00031	0.0605	<0.00002	-	-	-	-	-
MC-TP4	23-May-2021	0.00029	0.0682	<0.00002	-	-	-	-	-
MC-TP4	24-May-2021	0.00026	0.0705	<0.00002	-	-	-	-	-
MC-TP4	25-May-2021	0.00033	0.0714	<0.00002	-	-	-	-	-
MC-TP4	26-May-2021	0.00023	0.0725	<0.00002	-	-	-	-	-
MC-TP4	2-Jun-2021	0.0011	0.009	<0.0001	-	-	-	-	-
MC-TP4	2-Jun-2021	<0.001	0.0106	<0.0001	-	-	-	-	-
MC-TP4	7-Jul-2021	<0.001	0.0942	<0.0001	<0.00001	-	-	-	-
MC-TP4	10-Aug-2021	<0.001	0.215	<0.0001	-	-	-	-	-
MC-TP4	18-Aug-2021	<0.001	0.358	<0.0001	-	-	-	-	-
MC-TP4	7-Sep-2021	<0.0002	0.272	<0.00002	-	-	-	-	-
MC-TP4	8-Sep-2021	<0.0002	0.222	<0.00002	-	-	-	-	-
MC-TP4	9-Sep-2021	<0.0002	0.184	<0.00002	-	-	-	-	-
MC-TP4	10-Sep-2021	<0.0002	0.188	<0.00002	-	-	-	-	-
MC-TP4	11-Sep-2021	<0.0002	0.212	<0.00002	-	-	-	-	-
MC-TP4	12-Sep-2021	<0.0002	0.233	<0.00002	-	-	-	-	-
MC-TP4	13-Sep-2021	<0.0002	0.254	<0.00002	-	-	-	-	-
MC-TP4	15-Sep-2021	<0.001	0.13	<0.0001	-	-	-	-	-
MC-TP4	12-Oct-2021	<0.0002	0.122	<0.00002	-	-	-	-	-
MC-TP4	13-Oct-2021	<0.001	0.052	<0.0001	-	-	-	-	-
MC-TP4	13-Oct-2021	<0.0002	0.114	<0.00002	-	-	-	-	-
MC-TP4	14-Oct-2021	<0.0002	0.105	<0.00002	-	-	-	-	-
MC-TP4	15-Oct-2021	<0.0002	0.0904	<0.00002	-	-	-	-	-
MC-TP4	16-Oct-2021	<0.0002	0.102	<0.00002	-	-	-	-	-
MC-TP4	17-Oct-2021	<0.0002	0.118	<0.00002	-	-	-	-	-
MC-TP4	18-Oct-2021	<0.0002	0.116	<0.00002	-	-	-	-	-
MC-TP4	27-Oct-2021	<0.0002	0.0888	<0.00002	-	-	-	-	-
MC-TP4	28-Oct-2021	<0.0002	0.0916	<0.00002	-	-	-	-	-
MC-TP4	29-Oct-2021	<0.0002	0.109	<0.00002	-	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MC-TP4	30-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	21.3	0.000215	0.0048	0.0312
MC-TP4	31-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0781	21.5	0.000185	0.0048	0.03
MC-TP4	1-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	21.2	0.000185	0.0051	0.0306
MC-TP4	15-Nov-2021	<1	<1	1.36	<0.1	13.8	-	-	-	-	-	-	-	-	-	0.0974	4.7	<0.0005	<0.05	0.0063
MC-TP4	15-Nov-2021	<1	<1	1.35	<0.1	13.7	-	-	-	-	-	-	-	-	-	0.0954	5.5	<0.0005	<0.05	0.0061
MC-TP4	14-Dec-2021	<1	<1	1.18	<0.1	56.4	-	-	-	-	-	-	-	-	-	0.0809	20.1	<0.0005	<0.05	0.0109
MC-TP4-DC	1-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0286	16.5	0.000155	0.0073	0.0238
MC-TP4-DC	2-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0351	10.5	0.000138	0.0045	0.0277
MC-TP4-DC	3-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0876	11.2	0.000188	0.0036	0.0203
MC-TP4-DC	4-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.027	14.9	0.000125	0.0036	0.0244
MC-TP4-DC	5-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0261	14.9	0.000133	0.0037	0.0252
MC-TP4-DC	6-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0181	16.2	0.000134	0.0035	0.0241
MC-TP4-DC	7-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.018	16.3	0.000112	0.0035	0.0243
MC-TP4-DC	8-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0441	17.6	0.00021	0.0037	0.026
MC-TP4-DC	9-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0271	17.2	0.000161	0.0037	0.0248
MC-TP4-DC	10-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0158	18.6	0.000145	0.004	0.0251
MC-TP4-DC	11-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0275	15.5	0.000125	0.0031	0.0228
MC-TP4-DC	11-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0253	15.6	0.000153	0.0035	0.0215
MC-TP4-DC	12-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0288	13.3	0.000159	0.003	0.0213
MC-TP4-DC	12-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0163	13.7	0.000137	0.0024	0.0215
MC-TP4-DC	13-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0353	15	0.000169	0.0029	0.0218
MC-TP4-DC	14-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0182	15.7	0.000133	0.0032	0.0237
MC-TP4-DC	15-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0171	16.5	0.000147	0.003	0.0237
MC-TP4-DC	16-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0096	15.9	0.000134	0.003	0.0228
MC-TP4-DC	17-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0178	16	0.000121	0.0029	0.0233
MC-TP4-DC	18-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0195	16.6	0.000121	0.0031	0.0229
MC-TP4-DC	19-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0133	17.3	0.000119	0.0033	0.0231
MC-TP4-DC	20-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0149	17.6	0.000109	0.0034	0.0241
MC-TP4-DC	21-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0144	17.5	0.000118	0.0034	0.0236
MC-TP4-DC	22-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0161	15.5	0.000109	0.0032	0.0233
MC-TP4-DC	23-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0178	16.7	0.000132	0.0032	0.0243
MC-TP4-DC	24-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0116	17.1	0.00012	0.0035	0.0242
MC-TP4-DC	25-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0127	16.5	0.000151	0.0033	0.0243
MC-TP4-DC	25-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.017	16.8	0.000145	0.0034	0.0247
MC-TP4-DC	26-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0181	16.4	0.000122	0.0034	0.0235
MC-TP4-DC	27-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0103	17.5	0.000121	0.0035	0.0235
MC-TP4-DC	28-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0134	16.4	0.000121	0.0033	0.0225
MC-TP4-DC	29-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0126	17.7	0.000101	0.007	0.0238
MC-TP4-DC	30-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0121	17.3	0.000084	0.0058	0.0234
MC-TP4-DC	31-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0103	19.7	0.000108	0.0056	0.0249
MC-TP4-DC	1-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0128	19.6	0.000093	0.0097	0.025
MC-TP4-DC	2-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0082	16.6	<0.00005	0.0022	0.0228
MC-TP4-DC	3-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0118	19	0.000109	0.0108	0.0245
MC-TP4-DC	4-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0125	19.2	0.000083	0.0096	0.0245
MC-TP4-DC	5-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.014	18.6	0.000093	0.0073	0.0236
MC-TP4-DC	6-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0116	18.7	0.000076	0.006	0.0237
MC-TP4-DC	7-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0122	18.8	0.000089	0.006	0.024
MC-TP4-DC	8-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0112	20.8	0.0001	0.0058	0.024
MC-TP4-DC	9-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0132	20.2	0.000087	0.0058	0.0233

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21K0662	4	No	Regular	MC-TP4 (E206805)	MC-TP4	30-Oct-2021	-	-	-	-	-	-	-	-	-	-
21K0662	5	No	Regular	MC-TP4 (E206805)	MC-TP4	31-Oct-2021	-	-	-	-	-	-	-	-	-	-
21K0662	6	No	Regular	MC-TP4 (E206805)	MC-TP4	1-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2057	4	No	Regular	MC-TP4-M	MC-TP4	15-Nov-2021	7.22	61.2	-	-	-	-	-	12.3	<1	12.3
21K2057	5	No	Replicate	MC-TP4-M D	MC-TP4	15-Nov-2021	7.21	61.6	-	-	-	-	-	12.3	<1	12.3
21L2262	3	No	Regular	MC-TP4-M	MC-TP4	14-Dec-2021	6.89	181	-	-	-	-	-	23.7	<1	23.7
21A2360	2	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	1-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	3	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	2-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	4	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	3-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	5	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	4-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	6	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	5-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	7	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	6-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	8	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	7-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	9	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	8-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	10	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	9-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	11	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	10-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	23	No	Replicate	MC-TP4 DC D	MC-TP4-DC	11-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	12	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	11-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	13	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	12-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	24	No	Replicate	MC-TP4 DC D	MC-TP4-DC	12-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	14	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	13-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	15	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	14-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	16	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	15-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	17	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	16-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	18	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	17-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	19	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	18-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	20	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	19-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	21	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	20-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2360	22	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	21-Jan-2021	-	-	-	-	-	-	-	-	-	-
21B0126	1	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	22-Jan-2021	-	-	-	-	-	-	-	-	-	-
21B0126	2	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	23-Jan-2021	-	-	-	-	-	-	-	-	-	-
21B0126	3	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	24-Jan-2021	-	-	-	-	-	-	-	-	-	-
21B0126	4	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	25-Jan-2021	-	-	-	-	-	-	-	-	-	-
21B0126	9	No	Replicate	MC-TP4 DC D	MC-TP4-DC	25-Jan-2021	-	-	-	-	-	-	-	-	-	-
21B0126	5	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	26-Jan-2021	-	-	-	-	-	-	-	-	-	-
21B0126	6	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	27-Jan-2021	-	-	-	-	-	-	-	-	-	-
21B0126	7	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	28-Jan-2021	-	-	-	-	-	-	-	-	-	-
21B1433	1	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	29-Jan-2021	-	-	-	-	-	-	-	-	-	-
21B1433	2	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	30-Jan-2021	-	-	-	-	-	-	-	-	-	-
21B1433	3	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	31-Jan-2021	-	-	-	-	-	-	-	-	-	-
21B1433	4	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	1-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B1433	5	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	2-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B1433	6	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	3-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B1433	7	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	4-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2268	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	5-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2268	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	6-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2268	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	7-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2268	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	8-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2268	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	9-Feb-2021	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MC-TP4	30-Oct-2021	0.00001	<0.00001	0.000404	36.7	0.00029	0.000116	0.00494	0.121	<0.01	0.000193	2.93	0.0202	0.000706	0.000322	0.000912	0.533	0.00031	<0.00005	2.69	<0.00001	1.67	0.0639
MC-TP4	31-Oct-2021	<0.00001	<0.00001	0.000372	36.9	0.00025	0.0000983	0.00381	0.0791	<0.01	0.000188	2.95	0.0167	0.000618	0.000309	0.000666	0.529	0.0004	<0.00005	2.51	0.000026	1.67	0.0651
MC-TP4	1-Nov-2021	<0.00001	<0.00001	0.000404	35.6	0.00021	0.0000932	0.00515	0.103	<0.01	0.000174	2.96	0.0119	0.000593	0.000306	0.000846	0.513	0.00034	<0.00005	2.46	0.000012	1.69	0.0642
MC-TP4	15-Nov-2021	<0.0001	<0.0001	0.000138	9.54	<0.0005	<0.0001	0.00368	0.017	<0.05	0.00016	0.644	0.00732	0.00026	<0.0004	0.0003	0.2	<0.0005	<0.0002	1.1	<0.00005	1.06	0.0192
MC-TP4	15-Nov-2021	<0.0001	<0.0001	0.000163	10.1	<0.0005	<0.0001	0.00388	0.019	<0.05	0.00017	0.652	0.00767	0.00042	<0.0004	0.00034	0.21	<0.0005	<0.0002	1.1	<0.00005	1.06	0.0201
MC-TP4	14-Dec-2021	<0.0001	<0.0001	0.000328	25.9	<0.0005	0.00013	0.00924	0.037	<0.05	0.00057	2.49	0.0253	0.0009	0.00044	0.00039	0.94	<0.0005	<0.0002	1.6	<0.00005	2.53	0.0668
MC-TP4-DC	1-Jan-2021	<0.00001	<0.00001	0.000266	25.2	0.00017	0.0000196	0.00198	0.0097	<0.01	0.000196	2.09	0.000769	0.000495	0.000252	0.000145	0.468	0.00017	0.000101	2.11	<0.00001	1.58	0.07
MC-TP4-DC	2-Jan-2021	<0.00001	<0.00001	0.000201	20	0.00016	0.0000206	0.00424	0.0099	<0.01	0.000125	1.57	0.000476	0.000405	0.000202	0.000526	0.357	0.00025	0.000054	1.96	<0.00001	1.16	0.0528
MC-TP4-DC	3-Jan-2021	<0.00001	<0.00001	0.000229	20.1	0.00017	0.0000541	0.00419	0.0521	<0.01	0.000214	1.55	0.00547	0.000387	0.000221	0.000751	0.321	0.0002	0.000058	1.85	<0.00001	1.15	0.0497
MC-TP4-DC	4-Jan-2021	<0.00001	<0.00001	0.000245	25.2	0.0002	0.0000142	0.00184	0.0053	<0.01	0.000131	2	0.000342	0.000528	0.00029	0.000103	0.388	0.00026	0.000063	2.25	<0.00001	1.3	0.0626
MC-TP4-DC	5-Jan-2021	<0.00001	<0.00001	0.000282	26.1	0.00016	0.0000175	0.00127	0.0076	<0.01	0.000137	2.08	0.000941	0.00048	0.000234	0.000151	0.389	0.00028	0.000065	2.33	<0.00001	1.35	0.0627
MC-TP4-DC	6-Jan-2021	<0.00001	<0.00001	0.000314	26.3	0.00022	0.0000167	0.00128	0.0073	<0.01	0.000141	2.16	0.000999	0.000492	0.000215	0.000063	0.405	0.00034	0.000052	2.24	<0.00001	1.4	0.0633
MC-TP4-DC	7-Jan-2021	<0.00001	<0.00001	0.000313	27	0.00013	0.0000177	0.00156	0.0063	<0.01	0.000154	2.15	0.00118	0.000532	0.000301	0.000087	0.396	0.0003	0.000069	2.38	<0.00001	1.38	0.0663
MC-TP4-DC	8-Jan-2021	<0.00001	<0.00001	0.000297	27.9	0.00015	0.0000332	0.00212	0.0302	<0.01	0.000168	2.28	0.00393	0.000521	0.000243	0.000405	0.4	0.00036	0.000076	2.29	<0.00001	1.42	0.067
MC-TP4-DC	9-Jan-2021	<0.00001	<0.00001	0.000296	27.7	0.00016	0.0000261	0.00148	0.0117	<0.01	0.000145	2.26	0.00186	0.000557	0.000225	0.000166	0.404	0.00035	0.000058	2.24	<0.00001	1.44	0.0671
MC-TP4-DC	10-Jan-2021	<0.00001	<0.00001	0.000283	27.4	0.00012	0.000015	0.00167	0.0051	<0.01	0.000175	2.4	0.00104	0.000599	0.000222	0.000065	0.435	0.00026	0.000084	2.13	<0.00001	1.54	0.0687
MC-TP4-DC	11-Jan-2021	<0.00001	<0.00001	0.000232	24.5	0.00017	0.000038	0.0021	0.0131	<0.01	0.000147	2.07	0.00662	0.000709	0.000333	0.000104	0.41	0.00023	0.000094	2.02	<0.00001	1.43	0.0606
MC-TP4-DC	11-Jan-2021	<0.00001	<0.00001	0.000229	24.5	0.00013	0.0000342	0.00202	0.0112	<0.01	0.000156	2.05	0.00571	0.000559	0.000309	0.000082	0.398	0.00026	0.000079	2.06	<0.00001	1.38	0.0602
MC-TP4-DC	12-Jan-2021	<0.00001	<0.00001	0.000218	23.4	0.00017	0.0000245	0.00215	0.0253	<0.01	0.000139	1.86	0.00196	0.000506	0.000166	0.000161	0.35	0.00028	<0.00005	1.96	<0.00001	1.2	0.0539
MC-TP4-DC	12-Jan-2021	0.000026	<0.00001	0.000224	22.2	0.00017	0.0000165	0.00301	0.0078	<0.01	0.00012	1.85	0.000615	0.000547	0.000169	<0.00005	0.352	0.00025	0.000081	2.1	<0.00001	1.2	0.0558
MC-TP4-DC	13-Jan-2021	0.000048	<0.00001	0.000151	24.5	0.00022	0.0000373	0.00485	0.0323	0.033	0.000145	1.96	0.00208	0.000846	0.000325	0.000219	0.36	0.00052	0.000074	2.05	<0.00001	1.26	0.0562
MC-TP4-DC	14-Jan-2021	<0.00001	<0.00001	0.000252	27.2	0.00026	0.0000187	0.00111	0.0065	<0.01	0.000151	2.13	0.00105	0.000542	0.000382	0.000073	0.377	0.00029	0.000074	2.19	<0.00001	1.32	0.0606
MC-TP4-DC	15-Jan-2021	<0.00001	<0.00001	0.00025	26.5	0.00013	0.0000222	0.00095	0.0101	<0.01	0.000142	2.14	0.00203	0.000534	0.000271	0.000073	0.362	0.00023	0.000074	2.19	<0.00001	1.32	0.0614
MC-TP4-DC	16-Jan-2021	<0.00001	<0.00001	0.000223	25.1	0.00028	0.0000176	0.00211	0.0078	<0.01	0.000141	2.08	0.000703	0.000584	0.000312	0.000061	0.361	0.00027	0.000077	2.21	<0.00001	1.4	0.0606
MC-TP4-DC	17-Jan-2021	<0.00001	<0.00001	0.000282	24.5	0.00012	0.0000122	0.00203	0.0033	<0.01	0.000137	2	0.000772	0.000517	0.000213	0.000082	0.355	0.00023	0.000083	2.15	<0.00001	1.35	0.0597
MC-TP4-DC	18-Jan-2021	<0.00001	<0.00001	0.000241	25.6	0.00013	0.0000236	0.00117	0.0082	<0.01	0.000144	2.03	0.00185	0.000544	0.00027	0.000146	0.381	0.00022	0.000075	2.07	<0.00001	1.37	0.0607
MC-TP4-DC	19-Jan-2021	<0.00001	<0.00001	0.000245	26.9	0.00015	0.0000187	0.00089	0.0063	<0.01	0.000142	2.16	0.00206	0.000572	0.000195	<0.00005	0.412	0.00029	0.000064	2.21	<0.00001	1.44	0.0621
MC-TP4-DC	20-Jan-2021	<0.00001	<0.00001	0.000255	26.3	0.00013	0.0000197	0.00152	0.0051	<0.01	0.000141	2.19	0.00157	0.000771	0.00022	0.000109	0.43	0.00034	0.000068	2.07	<0.00001	1.46	0.0635
MC-TP4-DC	21-Jan-2021	<0.00001	<0.00001	0.00023	26.8	0.00013	0.0000527	0.00135	0.0112	<0.01	0.000142	2.18	0.0116	0.000707	0.000211	0.000127	0.443	0.00028	0.000082	2.14	<0.00001	1.47	0.0643
MC-TP4-DC	22-Jan-2021	<0.00001	<0.00001	0.000242	26.7	0.00014	0.0000094	0.00127	0.0027	<0.01	0.000152	2.12	0.000194	0.00062	0.000178	<0.00005	0.441	0.00025	0.000075	1.97	<0.00001	1.51	0.0601
MC-TP4-DC	23-Jan-2021	<0.00001	<0.00001	0.000269	27.3	0.00015	0.0000148	0.00143	0.0177	<0.01	0.000136	2.15	0.000713	0.000667	0.000184	0.000095	0.464	0.00026	0.000066	1.96	<0.00001	1.59	0.0634
MC-TP4-DC	24-Jan-2021	<0.00001	<0.00001	0.000275	27.5	0.00012	0.0000103	0.00124	0.0031	<0.01	0.00013	2.21	0.00047	0.0007	0.000143	0.000056	0.489	0.00029	<0.00005	1.92	<0.00001	1.62	0.0649
MC-TP4-DC	25-Jan-2021	<0.00001	<0.00001	0.00027	26.9	0.00011	0.000013	0.0016	0.0034	<0.01	0.00012	2.15	0.000453	0.00069	0.000145	0.0002	0.463	0.00026	<0.00005	1.86	<0.00001	1.6	0.0638
MC-TP4-DC	25-Jan-2021	<0.00001	<0.00001	0.000266	27.1	0.00014	0.0000127	0.00176	0.0065	<0.01	0.000131	2.17	0.000512	0.000676	0.000182	0.000255	0.473	0.00029	0.000059	1.9	<0.00001	1.6	0.0646
MC-TP4-DC	26-Jan-2021	<0.00001	<0.00001	0.00027	26.8	0.0001	0.0000149	0.0015	0.0088	<0.01	0.000135	2.19	0.000935	0.00064	0.000156	0.000136	0.434	0.00029	0.000055	1.82	<0.00001	1.6	0.0643
MC-TP4-DC	27-Jan-2021	<0.00001	<0.00001	0.000282	27	0.00012	0.0000126	0.00135	0.0038	<0.01	0.000134	2.25	0.000429	0.000606	0.000181	<0.00005	0.431	0.00025	0.000094	1.91	<0.00001	1.63	0.0646
MC-TP4-DC	28-Jan-2021	<0.00001	<0.00001	0.000254	26.4	0.00012	0.000018	0.00156	0.0086	<0.01	0.000118	2.2	0.00138	0.00065	0.000163	0.000118	0.42	0.00028	0.000059	1.87	<0.00001	1.62	0.0642
MC-TP4-DC	29-Jan-2021	<0.00001	<0.00001	0.000232	29.4	0.00015	0.00001	0.00096	0.0032	<0.01	0.000231	2.12	0.00112	0.0102	0.000159	<0.00005	0.408	0.00021	0.000061	2.1	<0.00001	1.59	0.0713
MC-TP4-DC	30-Jan-2021	<0.00001	<0.00001	0.000254	27.9	0.00012	0.0000117	0.00118	0.0037	<0.01	0.000195	2.12	0.000406	0.00256	0.000142	0.000072	0.392	0.00021	<0.00005	2.12	<0.00001	1.56	0.0674
MC-TP4-DC	31-Jan-2021	<0.00001	<0.00001	0.000253	29.6	0.00013	0.0000115	0.00099	0.0032	<0.01	0.00021	2.27	0.000819	0.00106	0.000161	<0.00005	0.416	0.00026	<0.00005	2.04	<0.00001	1.69	0.0731
MC-TP4-DC	1-Feb-2021	<0.00001	<0.00001	0.000251	29.4	0.00019	0.0000138	0.00105	0.0039	<0.01	0.000157	2.36	0.000517	0.000764	0.000163	<0.00005	0.478	0.00027	0.000062	1.99	<0.00001	1.77	0.0719
MC-TP4-DC	2-Feb-2021	<0.00001	<0.00001	0.000247	26.8	0.00013	0.000009	0.00143	0.0042	<0.01	0.000109	2	0.000491	0.000737	0.000171	<0.00005	0.448	0.00025	<0.00005	2.29	<0.00001	1.55	0.0634
MC-TP4-DC	3-Feb-2021	<0.00001	<0.00001	0.000245	28.7	0.00026	0.000013	0.00106	0.0035	<0.01	0.000169	2.25	0.0008	0.000691	0.000177	<0.00005	0.479	0.00028	<0.00005	1.98	<0.00001	1.68	0.0705
MC-TP4-DC	4-Feb-2021	<0.00001	<0.00001	0.000265	28.7	0.00015	0.0000105	0.00122	0.0047	<0.01	0.000166	2.23	0.000682	0.00479	0.000159	<0.00005	0.457	0.00025	<0.00005	1.97	<0.00001	1.69	0.0702
MC-TP4-DC	5-Feb-2021	<0.00001	<0.00001	0.000173	29.7	0.00014	0.0000107	0.00085	0.0071	0.012	0.000129	2.17	0.000276	0.000604	0.000237	0.000055	0.502	0.0003	0.000055	1.96	<0.00001	1.7	0.0624
MC-TP4-DC	6-Feb-2021	<0.00001	<0.00001	0.000239	29.3	0.00015	0.0000086	0.00086	0.0056	<0.01	0.000119	2.13	0.000212	0.00059	0.000162	<0.00005	0.507	0.00025	0.000064	1.9	<0.00001	1.68	0.0623
MC-TP4-DC	7-Feb-2021	<0.00001	<0.00001	0.000258	29.8	0.00014	0.0000088	0.00076	0.0052	<0.01	0.00014	2.2	0.000381	0.000598	0.000195	0.000107	0.534	0.00022	0.000076	1.88	<0.00001	1.75	0.0633
MC-TP4-DC	8-Feb-2021	<0.00001	<0.00001	0.000249	31.2	0.00014	0.0000096	0.00116	0.0047	<0.01	0.000145	2.33	0.000466	0.0007	0.000165	0.000069	0.6	0.00025	0.000052	2.02	<0.00001	1.88	0.0672
MC-TP4-DC	9-Feb-2021	<0.00001	<0.00001	0.000255	30.9	0.00014	0.000014	0.00136	0.0029	<0.01	0.000157	2.31	0.000219	0.000701	0.000139	0.000071	0.588	0.00026	0.00006	1.9	<0.00001	1.86	0.0659

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MC-TP4	30-Oct-2021	<0.00005	<0.000004	<0.00001	0.00259	<0.0002	0.0000259	0.00089	0.131	<0.00002	-	0.014	18.9	0.000108	0.0041	<0.00001	<0.00001	0.0282	0.000371	30.7	0.00022	0.0000417	0.00201	0.0028
MC-TP4	31-Oct-2021	<0.00005	<0.000004	<0.00001	0.00172	<0.0002	0.0000208	0.00083	0.123	<0.00002	-	0.0096	17.3	0.00009	0.0043	<0.00001	<0.00001	0.0279	0.000341	34	0.00021	0.0000549	0.00165	0.0029
MC-TP4	1-Nov-2021	<0.00005	<0.000004	<0.00001	0.00357	<0.0002	0.0000226	0.00102	0.124	<0.00002	-	0.0156	20.5	0.000097	0.0041	<0.00001	<0.00001	0.0287	0.000375	31.4	0.00016	0.0000295	0.00216	0.0098
MC-TP4	15-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	<0.001	0.0503	<0.0001	<0.00001	0.069	5.4	<0.0005	<0.05	<0.0001	<0.0001	0.0053	0.000144	8.61	<0.0005	<0.0001	0.00128	<0.01
MC-TP4	15-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	<0.001	0.051	<0.0001	<0.00001	0.0662	5.5	<0.0005	<0.05	<0.0001	<0.0001	0.0054	0.000143	8.6	<0.0005	<0.0001	0.00114	<0.01
MC-TP4	14-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00003	<0.001	0.141	<0.0001	-	0.0079	18.4	<0.0005	<0.05	<0.0001	<0.0001	0.0086	0.000325	24.7	<0.0005	<0.0001	0.00538	<0.01
MC-TP4-DC	1-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000151	0.00025	0.0814	0.000078	-	0.0222	13.6	0.000114	0.0052	<0.00001	<0.00001	0.0203	0.000238	22.1	0.00012	0.0000233	0.00284	0.0038
MC-TP4-DC	2-Jan-2021	<0.00005	<0.000004	<0.00001	0.00031	<0.0002	0.0000142	<0.0002	0.0642	<0.00002	-	0.0296	8.96	0.000118	0.0031	<0.00001	<0.00001	0.0203	0.000189	17.7	0.00014	0.0000241	0.00416	0.0055
MC-TP4-DC	3-Jan-2021	<0.00005	<0.000004	<0.00001	0.00115	<0.0002	0.0000205	<0.0002	0.0751	<0.00002	-	0.0346	9.52	0.000098	0.0028	<0.00001	<0.00001	0.0187	0.000205	17.7	0.00012	0.0000272	0.00288	0.0055
MC-TP4-DC	4-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000166	<0.0002	0.0767	<0.00002	-	0.0217	12	0.000092	0.0029	<0.00001	<0.00001	0.0215	0.000218	22.4	0.00014	0.0000191	0.00173	0.0032
MC-TP4-DC	5-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000161	<0.0002	0.0852	<0.00002	-	0.0178	12.2	0.000078	0.003	0.00001	<0.00001	0.0221	0.000251	23.3	0.00012	0.0000167	0.00163	0.003
MC-TP4-DC	6-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000132	<0.0002	0.0847	<0.00002	-	0.0145	12.9	0.000088	0.003	0.000011	<0.00001	0.0217	0.000243	23.6	0.00066	0.0000282	0.00153	0.006
MC-TP4-DC	7-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000131	<0.0002	0.0979	<0.00002	-	0.0139	13.3	0.00009	0.003	<0.00001	<0.00001	0.0222	0.000277	24	0.00011	0.0000184	0.00152	0.0036
MC-TP4-DC	8-Jan-2021	<0.00005	<0.000004	<0.00001	0.00056	<0.0002	0.0000183	0.00086	0.0887	<0.00002	-	0.013	14.1	0.000102	0.0032	<0.00001	<0.00001	0.0218	0.000252	26	0.00012	0.0000138	0.00124	0.0027
MC-TP4-DC	9-Jan-2021	<0.00005	<0.000004	<0.00001	0.00043	<0.0002	0.0000159	<0.0002	0.0883	<0.00002	-	0.0158	14.6	0.000117	0.0032	<0.00001	<0.00001	0.0228	0.000259	25.6	0.00017	0.0000207	0.00122	0.0045
MC-TP4-DC	10-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000137	<0.0002	0.0845	<0.00002	-	0.0108	16	0.000087	0.0034	<0.00001	<0.00001	0.0231	0.00026	26.6	0.00013	0.0000152	0.00113	0.0023
MC-TP4-DC	11-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000128	<0.0002	0.0766	<0.00002	-	0.017	13.1	0.000078	0.0027	<0.00001	<0.00001	0.0196	0.000205	22.3	0.00019	0.0000277	0.00175	0.0059
MC-TP4-DC	11-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000134	<0.0002	0.0752	<0.00002	-	0.0182	12.9	0.000075	0.0029	<0.00001	<0.00001	0.0191	0.00021	22.7	0.00014	0.0000305	0.00174	0.0061
MC-TP4-DC	12-Jan-2021	<0.00005	<0.000004	<0.00001	0.00052	<0.0002	0.0000133	<0.0002	0.0723	<0.00002	-	0.0138	10.9	0.000088	0.0027	<0.00001	<0.00001	0.0193	0.0002	21.3	0.00014	0.0000122	0.00157	0.0051
MC-TP4-DC	12-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000111	<0.0002	0.0717	<0.00002	-	0.0146	11.9	0.000103	0.0025	<0.00001	<0.00001	0.0205	0.000203	21.6	0.00015	0.0000138	0.00152	0.0052
MC-TP4-DC	13-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	0.00027	0.0000145	<0.0002	0.0649	0.000081	-	0.0229	11.7	0.000108	0.0026	<0.00001	<0.00001	0.0202	0.000133	22.5	0.00013	0.0000221	0.00218	0.0216
MC-TP4-DC	14-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000014	<0.0002	0.076	<0.00002	-	0.0136	13.1	0.000081	0.0027	<0.00001	<0.00001	0.0215	0.00023	24.5	0.00027	0.0000163	0.00108	0.0046
MC-TP4-DC	15-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000012	<0.0002	0.0739	<0.00002	-	0.0166	14	0.000105	0.0027	<0.00001	<0.00001	0.0257	0.000216	24.1	0.00015	0.0000188	0.00102	0.0068
MC-TP4-DC	16-Jan-2021	<0.00005	<0.000004	<0.00001	0.00021	<0.0002	0.0000111	<0.0002	0.0701	<0.00002	-	0.0072	13	0.000094	0.0026	<0.00001	<0.00001	0.0196	0.000205	23	0.00018	0.0000164	0.00179	0.0043
MC-TP4-DC	17-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000147	<0.0002	0.0757	<0.00002	-	0.0142	13.1	0.000083	0.0028	<0.00001	<0.00001	0.0209	0.00026	23.1	0.00014	0.0000136	0.0017	0.0026
MC-TP4-DC	18-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000111	<0.0002	0.0758	<0.00002	-	0.0167	13.9	0.000078	0.0028	<0.00001	<0.00001	0.0204	0.000221	23.8	0.00018	0.0000272	0.0013	0.0057
MC-TP4-DC	19-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000011	<0.0002	0.0718	<0.00002	-	0.0174	13.6	0.000079	0.003	<0.00001	<0.00001	0.0218	0.000229	23.9	0.00119	0.0000361	0.00135	0.0149
MC-TP4-DC	20-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000102	<0.0002	0.0781	<0.00002	-	0.011	14.4	0.000088	0.003	<0.00001	<0.00001	0.0209	0.000229	23.7	0.00013	0.000017	0.00082	0.0047
MC-TP4-DC	21-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000107	<0.0002	0.0686	<0.00002	-	0.012	15.3	0.000098	0.0029	<0.00001	<0.00001	0.0221	0.000218	23.9	0.00016	0.0000403	0.00115	0.0059
MC-TP4-DC	22-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000126	<0.0002	0.076	<0.00002	-	0.0144	14.7	0.000111	0.0047	<0.00001	<0.00001	0.0232	0.000245	26.7	<0.0001	0.0000103	0.00265	<0.002
MC-TP4-DC	23-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000099	<0.0002	0.0798	<0.00002	-	0.0124	15.9	0.000114	0.0042	<0.00001	<0.00001	0.0231	0.000247	27.3	0.00012	0.0000125	0.00204	<0.002
MC-TP4-DC	24-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000088	<0.0002	0.0813	<0.00002	-	0.0097	16.1	0.000104	0.0039	<0.00001	<0.00001	0.0231	0.000253	26.7	0.00014	0.0000102	0.00206	<0.002
MC-TP4-DC	25-Jan-2021	<0.00005	<0.000004	<0.00001	0.00026	<0.0002	0.0000094	<0.0002	0.0802	<0.00002	-	0.0107	15.8	0.000143	0.0039	<0.00001	<0.00001	0.0232	0.000251	26.9	0.00028	0.0000173	0.00199	0.0024
MC-TP4-DC	25-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000107	<0.0002	0.081	<0.00002	-	0.0109	16.2	0.000154	0.0038	<0.00001	<0.00001	0.0234	0.000249	27	0.00026	0.000013	0.00192	<0.002
MC-TP4-DC	26-Jan-2021	<0.00005	<0.000004	<0.00001	0.00035	<0.0002	0.0000094	<0.0002	0.08	<0.00002	-	0.0111	16	0.0001	0.0038	<0.00001	<0.00001	0.0237	0.000246	26.1	0.00013	0.0000143	0.00163	<0.002
MC-TP4-DC	27-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000088	<0.0002	0.087	<0.00002	-	0.0088	16.3	0.000103	0.0039	<0.00001	<0.00001	0.0234	0.000265	27.1	0.00026	0.0000156	0.00171	0.0095
MC-TP4-DC	28-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000085	<0.0002	0.0773	<0.00002	-	0.0077	16	0.000108	0.0039	<0.00001	<0.00001	0.0218	0.000236	26	0.00019	0.0000112	0.00147	0.0026
MC-TP4-DC	29-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000109	<0.0002	0.0759	<0.00002	-	0.0108	15.9	0.000087	0.0049	<0.00001	<0.00001	0.0215	0.000213	25.6	0.00016	0.0000083	0.00238	0.0026
MC-TP4-DC	30-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000008	<0.0002	0.0756	<0.00002	-	0.01	16.5	0.000077	0.0045	<0.00001	<0.00001	0.0218	0.000238	25.3	0.00016	0.0000094	0.00153	0.0037
MC-TP4-DC	31-Jan-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000077	<0.0002	0.0781	<0.00002	-	0.0093	17	0.000086	0.0042	<0.00001	<0.00001	0.0221	0.000238	26.5	0.0003	0.0000088	0.00134	<0.002
MC-TP4-DC	1-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000079	<0.0002	0.078	<0.00002	-	0.0105	17.5	0.000086	0.0045	<0.00001	<0.00001	0.0235	0.000257	27.2	0.00022	0.0000161	0.00142	0.0027
MC-TP4-DC	2-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000076	<0.0002	0.069	<0.00002	-	0.0078	17.6	0.000094	0.0044	<0.00001	<0.00001	0.023	0.000237	26.8	0.00015	0.0000114	0.00109	0.0022
MC-TP4-DC	3-Feb-2021	<0.00005	<0.000004	<0.00001	0.00028	<0.0002	0.0000076	<0.0002	0.0764	<0.00002	-	0.0089	16.4	0.000087	0.0043	<0.00001	<0.00001	0.0226	0.000224	26	0.00024	0.0000174	0.00119	0.0033
MC-TP4-DC	4-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000071	<0.0002	0.0779	<0.00002	-	0.0069	17.4	0.00008	0.0043	<0.00001	<0.00001	0.0224	0.000243	25.9	0.00017	0.000011	0.00116	0.0026
MC-TP4-DC	5-Feb-2021	0.000058	<0.000004	0.000016	<0.0002	<0.0002	0.0000093	<0.0002	0.0746	<0.00002	-	0.0126	17.9	0.000115	0.006	<0.00001	<0.00001	0.0228	0.000183	28.3	0.00014	0.0000145	0.00137	0.0043
MC-TP4-DC	6-Feb-2021	0.000055	<0.000004	<0.00001	<0.0002	<0.0002	0.0000085	<0.0002	0.0752	<0.00002	-	0.0099	17.4	0.000074	0.0047	<0.00001	<0.00001	0.0237	0.000239	28.2	0.00013	0.0000079	0.00099	0.0024
MC-TP4-DC	7-Feb-2021	<0.00005	0.0000126	<0.00001	<0.0002	<0.0002	0.0000146	<0.0002	0.0765	<0.00002	-	0.0103	18	0.000119	0.0048	<0.00001	<0.00001	0.0229	0.000224	28.7	0.00013	0.0000112	0.0009	0.0027
MC-TP4-DC	8-Feb-2021	0.000061	<0.000004	<0.00001	<0.0002	<0.0002	0.0000086	<0.0002	0.0788	<0.00002	-	0.0099	18.9	0.000099	0.0046	<0.00001	<0.00001	0.0238	0.00026	29.3	0.00014	0.0000088	0.00115	0.0031
MC-TP4-DC	9-Feb-2021	0.000063	0.0000082	<0.00001	<0.0002	<0.0002	0.0000133	<0.0002	0.0779	<0.00002	-	0.0131	18.6	0.000077	0.0046	<0.00001	<0.00001	0.0303	0.000239	29.4	0.00012	0.0000129	0.00169	0.0059

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MC-TP4	30-Oct-2021	<0.01	0.000142	2.72	0.00989	0.000532	0.00023	0.00009	0.473	0.000345	0.00025	2.31	0.0611	<0.00005	<0.00001	1.59	0.000276	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000137
MC-TP4	31-Oct-2021	<0.01	0.00015	2.64	0.00946	0.00057	0.000283	<0.00005	0.465	0.000331	0.0003	2.06	0.0588	<0.00005	<0.00001	1.54	0.000301	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000151
MC-TP4	1-Nov-2021	<0.01	0.00014	2.83	0.00388	0.000576	0.000194	0.000093	0.486	0.000326	0.00027	2.33	0.0619	<0.00005	<0.00001	1.64	0.000302	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000134
MC-TP4	15-Nov-2021	<0.05	0.00012	0.77	0.00613	0.00027	<0.0004	<0.0002	0.21	<0.0002	<0.0005	1.1	0.0179	<0.0002	<0.00005	1.12	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4	15-Nov-2021	<0.05	0.00013	0.801	0.006	0.00025	<0.0004	<0.0002	0.22	0.00037	<0.0005	1.1	0.0182	<0.0002	<0.00005	1.11	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4	14-Dec-2021	<0.05	0.0005	2.26	0.0162	0.00085	<0.0004	<0.0002	0.84	0.0008	<0.0005	1.4	0.0634	<0.0002	<0.00005	2.3	0.0005	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026
MC-TP4-DC	1-Jan-2021	<0.01	0.000176	1.71	0.000363	0.00044	0.00027	0.000065	0.452	0.000245	0.00018	1.62	0.06	<0.00005	<0.00001	1.5	0.000178	0.000058	<0.000004	<0.00001	<0.0002	<0.0002	0.0000141
MC-TP4-DC	2-Jan-2021	<0.01	0.000111	1.28	0.000303	0.000381	0.000247	0.000356	0.339	0.000197	0.00018	1.54	0.0454	<0.00005	<0.00001	1.15	0.000158	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000013
MC-TP4-DC	3-Jan-2021	<0.01	0.000112	1.26	0.00036	0.00035	0.000329	0.000139	0.311	0.000229	0.00018	1.45	0.0449	<0.00005	<0.00001	1.07	0.000134	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000142
MC-TP4-DC	4-Jan-2021	<0.01	0.000121	1.57	0.000246	0.000421	0.000275	0.000072	0.354	0.000218	0.0002	1.73	0.0544	0.000052	<0.00001	1.22	0.000182	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000155
MC-TP4-DC	5-Jan-2021	<0.01	0.000121	1.65	0.000363	0.000453	0.000216	0.000066	0.364	0.000227	0.0002	1.72	0.0567	<0.00005	<0.00001	1.22	0.000173	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000138
MC-TP4-DC	6-Jan-2021	<0.01	0.000128	1.7	0.000746	0.000451	0.000581	<0.00005	0.379	0.000232	0.00022	1.78	0.0578	<0.00005	<0.00001	1.45	0.000173	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000126
MC-TP4-DC	7-Jan-2021	<0.01	0.000132	1.73	0.000422	0.000462	0.000222	<0.00005	0.364	0.000213	0.00025	1.76	0.0601	<0.00005	<0.00001	1.29	0.000176	0.000053	<0.000004	<0.00001	<0.0002	<0.0002	0.0000127
MC-TP4-DC	8-Jan-2021	<0.01	0.000135	1.8	0.000449	0.000481	0.000231	<0.00005	0.373	0.00027	0.00028	1.73	0.0605	<0.00005	<0.00001	1.31	0.000209	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000138
MC-TP4-DC	9-Jan-2021	<0.01	0.000131	1.86	0.000686	0.000496	0.00028	0.000054	0.398	0.000264	0.00029	1.82	0.0615	<0.00005	<0.00001	1.41	0.000222	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000149
MC-TP4-DC	10-Jan-2021	<0.01	0.000131	1.96	0.000546	0.00051	0.000218	<0.00005	0.423	0.000291	0.00029	1.74	0.0638	<0.00005	<0.00001	1.46	0.000228	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000126
MC-TP4-DC	11-Jan-2021	<0.01	0.000118	1.66	0.00452	0.000514	0.000254	<0.00005	0.385	0.000248	0.00022	1.71	0.0539	<0.00005	<0.00001	1.28	0.000201	0.000063	<0.000004	<0.00001	<0.0002	<0.0002	0.0000122
MC-TP4-DC	11-Jan-2021	<0.01	0.00012	1.65	0.00453	0.000496	0.000299	<0.00005	0.38	0.000238	0.00021	1.65	0.0538	<0.00005	<0.00001	1.28	0.000189	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000012
MC-TP4-DC	12-Jan-2021	<0.01	0.000106	1.47	0.000277	0.000454	0.000182	<0.00005	0.33	0.000212	0.00024	1.7	0.0501	0.000052	<0.00001	1.15	0.000184	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000113
MC-TP4-DC	12-Jan-2021	<0.01	0.00012	1.52	0.000295	0.000476	0.000222	<0.00005	0.322	0.000216	0.00026	1.71	0.0513	0.000054	<0.00001	1.18	0.000181	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000114
MC-TP4-DC	13-Jan-2021	0.029	0.000108	1.53	0.00106	0.00079	0.0003	0.000076	0.326	0.000231	0.00043	1.75	0.054	<0.00005	<0.00001	1.14	0.000195	<0.00005	<0.000004	<0.00001	<0.0002	0.00028	0.0000133
MC-TP4-DC	14-Jan-2021	<0.01	0.000116	1.73	0.000253	0.000502	0.000352	<0.00005	0.355	0.000238	0.00026	1.81	0.0559	0.000059	<0.00001	1.29	0.000188	0.00005	<0.000004	<0.00001	0.00021	<0.0002	0.0000124
MC-TP4-DC	15-Jan-2021	<0.01	0.000117	1.73	0.000222	0.000479	0.000357	0.000151	0.352	0.000232	0.0002	1.87	0.0628	0.000052	<0.00001	1.26	0.000177	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000119
MC-TP4-DC	16-Jan-2021	<0.01	0.000112	1.64	0.000205	0.000508	0.000262	<0.00005	0.336	0.000219	0.00024	1.83	0.0535	<0.00005	<0.00001	1.3	0.000177	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000106
MC-TP4-DC	17-Jan-2021	<0.01	0.000112	1.66	0.000072	0.000484	0.000181	<0.00005	0.342	0.000238	0.00024	1.75	0.055	<0.00005	<0.00001	1.27	0.00017	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000126
MC-TP4-DC	18-Jan-2021	<0.01	0.000121	1.68	0.00105	0.000492	0.000401	0.000113	0.369	0.000232	0.00023	1.81	0.0556	<0.00005	<0.00001	1.36	0.000188	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000099
MC-TP4-DC	19-Jan-2021	<0.01	0.000119	1.69	0.00121	0.000512	0.000702	0.000118	0.37	0.000268	0.00022	1.83	0.0577	0.000056	<0.00001	1.37	0.000187	0.000071	<0.000004	<0.00001	<0.0002	<0.0002	0.0000104
MC-TP4-DC	20-Jan-2021	<0.01	0.000116	1.76	0.000373	0.000536	0.000256	<0.00005	0.393	0.000281	0.00022	1.83	0.0573	<0.00005	<0.00001	1.36	0.0002	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000097
MC-TP4-DC	21-Jan-2021	<0.01	0.000112	1.84	0.00945	0.000626	0.000207	<0.00005	0.434	0.000335	0.00023	1.86	0.0608	<0.00005	<0.00001	1.43	0.000243	0.00009	<0.000004	<0.00001	<0.0002	<0.0002	0.0000094
MC-TP4-DC	22-Jan-2021	<0.01	0.000158	2.02	0.000173	0.000629	0.000318	0.000077	0.427	0.000272	0.00031	1.83	0.0608	<0.00005	<0.00001	1.53	0.000265	0.000057	<0.000004	<0.00001	<0.0002	<0.0002	0.0000121
MC-TP4-DC	23-Jan-2021	<0.01	0.000157	2.08	0.000105	0.000634	0.000276	0.000061	0.445	0.000305	0.00033	1.77	0.0616	<0.00005	<0.00001	1.56	0.000279	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000111
MC-TP4-DC	24-Jan-2021	<0.01	0.000139	2.09	0.000132	0.000673	0.000189	0.000051	0.444	0.000321	0.00018	1.91	0.062	<0.00005	<0.00001	1.55	0.000329	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000087
MC-TP4-DC	25-Jan-2021	<0.01	0.000141	2.13	0.000238	0.000648	0.000335	0.000166	0.459	0.000329	0.00023	1.79	0.0622	0.00005	<0.00001	1.63	0.000306	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000099
MC-TP4-DC	25-Jan-2021	<0.01	0.000137	2.09	0.000204	0.000651	0.000247	0.000128	0.447	0.000317	0.00027	1.76	0.0625	0.000063	<0.00001	1.59	0.000307	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000094
MC-TP4-DC	26-Jan-2021	<0.01	0.000146	2.24	0.000351	0.000558	0.000214	0.000095	0.446	0.000296	0.00025	1.88	0.0623	<0.00005	<0.00001	1.66	0.000254	0.000086	<0.000004	<0.00001	<0.0002	<0.0002	0.0000096
MC-TP4-DC	27-Jan-2021	<0.01	0.000139	2.23	0.000421	0.000592	0.000354	0.000076	0.422	0.000268	0.00024	1.94	0.0637	<0.00005	<0.00001	1.67	0.000245	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000086
MC-TP4-DC	28-Jan-2021	<0.01	0.000132	2.15	0.000441	0.000586	0.000218	0.000054	0.405	0.00026	0.00026	1.76	0.0619	0.00005	<0.00001	1.65	0.000258	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000078
MC-TP4-DC	29-Jan-2021	<0.01	0.000124	1.93	0.000237	0.00875	0.000321	0.000112	0.357	0.000288	0.00023	1.91	0.0597	0.000065	<0.00001	1.54	0.000239	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000079
MC-TP4-DC	30-Jan-2021	<0.01	0.000117	1.97	0.000296	0.00251	0.000249	0.000154	0.362	0.000264	0.00022	1.81	0.0603	0.000077	<0.00001	1.49	0.000221	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000007
MC-TP4-DC	31-Jan-2021	<0.01	0.000116	2.05	0.000263	0.000654	0.000368	0.000081	0.369	0.000276	0.00024	1.81	0.0626	0.000058	<0.00001	1.6	0.000225	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000064
MC-TP4-DC	1-Feb-2021	<0.01	0.000119	2.12	0.000403	0.000687	0.000284	0.000086	0.428	0.000282	0.00027	1.74	0.0658	<0.00005	<0.00001	1.65	0.000226	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000073
MC-TP4-DC	2-Feb-2021	<0.01	0.000122	2.08	0.000488	0.000718	0.000253	0.000064	0.46	0.000268	0.00028	1.75	0.065	0.000092	<0.00001	1.66	0.000236	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000062
MC-TP4-DC	3-Feb-2021	<0.01	0.000109	2.02	0.000722	0.000643	0.000347	0.000066	0.431	0.00027	0.00023	1.81	0.0638	0.000051	<0.00001	1.59	0.000228	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000067
MC-TP4-DC	4-Feb-2021	<0.01	0.00012	2.03	0.000562	0.00435	0.000208	<0.00005	0.421	0.000255	0.00024	1.81	0.0645	0.000076	<0.00001	1.62	0.000213	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000063
MC-TP4-DC	5-Feb-2021	<0.01	0.000123	2.1	0.000408	0.000602	0.000177	0.000114	0.477	0.000251	0.00032	1.93	0.061	0.000057	<0.00001	1.73	0.000247	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000064
MC-TP4-DC	6-Feb-2021	<0.01	0.000111	2.07	0.000149	0.000567	0.000043	0.000094	0.47	0.000262	0.00025	1.85	0.0595	0.000064	<0.00001	1.64	0.000238	0.000077	<0.000004	<0.00001	<0.0002	<0.0002	0.0000052
MC-TP4-DC	7-Feb-2021	<0.01	0.000124	2.13	0.000142	0.000571	0.000078	0.00009	0.499	0.000248	0.00022	1.79	0.0606	0.000079	<0.00001	1.71	0.000215	0.000061	<0.000004	<0.00001	<0.0002	<0.0002	0.0000073
MC-TP4-DC	8-Feb-2021	<0.01	0.000116	2.23	0.000216	0.000688	0.000099	0.000131	0.556	0.000281	0.00027	1.79	0.0643	0.000073	<0.00001	1.79	0.000249	0.000073	<0.000004	<0.00001	<0.0002	<0.0002	0.0000056
MC-TP4-DC	9-Feb-2021	<0.01	0.00014	2.25	0.000346	0.000686	0.00023	0.000486	0.571	0.000287	0.00024	1.85	0.0644	0.000066	<0.00001	1.8	0.000265	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000069

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MC-TP4	30-Oct-2021	<0.0002	0.123	<0.00002	-	-	-	-	-
MC-TP4	31-Oct-2021	<0.0002	0.115	<0.00002	-	-	-	-	-
MC-TP4	1-Nov-2021	0.00026	0.126	<0.00002	-	-	-	-	-
MC-TP4	15-Nov-2021	<0.001	0.0474	<0.0001	<0.00001	-	-	-	-
MC-TP4	15-Nov-2021	<0.001	0.0479	<0.0001	<0.00001	-	-	-	-
MC-TP4	14-Dec-2021	<0.001	0.119	<0.0001	-	-	-	-	-
MC-TP4-DC	1-Jan-2021	<0.0002	0.0755	<0.00002	-	-	-	-	-
MC-TP4-DC	2-Jan-2021	<0.0002	0.0599	<0.00002	-	-	-	-	-
MC-TP4-DC	3-Jan-2021	<0.0002	0.0648	<0.00002	-	-	-	-	-
MC-TP4-DC	4-Jan-2021	<0.0002	0.0685	<0.00002	-	-	-	-	-
MC-TP4-DC	5-Jan-2021	<0.0002	0.0774	<0.00002	-	-	-	-	-
MC-TP4-DC	6-Jan-2021	<0.0002	0.0788	<0.00002	-	-	-	-	-
MC-TP4-DC	7-Jan-2021	<0.0002	0.0888	<0.00002	-	-	-	-	-
MC-TP4-DC	8-Jan-2021	<0.0002	0.0796	<0.00002	-	-	-	-	-
MC-TP4-DC	9-Jan-2021	<0.0002	0.0818	<0.00002	-	-	-	-	-
MC-TP4-DC	10-Jan-2021	<0.0002	0.0832	<0.00002	-	-	-	-	-
MC-TP4-DC	11-Jan-2021	<0.0002	0.0686	<0.00002	-	-	-	-	-
MC-TP4-DC	11-Jan-2021	<0.0002	0.0689	<0.00002	-	-	-	-	-
MC-TP4-DC	12-Jan-2021	0.00022	0.0637	<0.00002	-	-	-	-	-
MC-TP4-DC	12-Jan-2021	0.00036	0.0637	<0.00002	-	-	-	-	-
MC-TP4-DC	13-Jan-2021	<0.0002	0.0601	<0.00002	-	-	-	-	-
MC-TP4-DC	14-Jan-2021	<0.0002	0.0716	<0.00002	-	-	-	-	-
MC-TP4-DC	15-Jan-2021	<0.0002	0.0725	<0.00002	-	-	-	-	-
MC-TP4-DC	16-Jan-2021	<0.0002	0.0647	<0.00002	-	-	-	-	-
MC-TP4-DC	17-Jan-2021	<0.0002	0.0712	<0.00002	-	-	-	-	-
MC-TP4-DC	18-Jan-2021	<0.0002	0.0742	<0.00002	-	-	-	-	-
MC-TP4-DC	19-Jan-2021	<0.0002	0.0761	<0.00002	-	-	-	-	-
MC-TP4-DC	20-Jan-2021	<0.0002	0.0688	<0.00002	-	-	-	-	-
MC-TP4-DC	21-Jan-2021	<0.0002	0.0653	<0.00002	-	-	-	-	-
MC-TP4-DC	22-Jan-2021	<0.0002	0.0732	<0.00002	-	-	-	-	-
MC-TP4-DC	23-Jan-2021	<0.0002	0.0756	<0.00002	-	-	-	-	-
MC-TP4-DC	24-Jan-2021	<0.0002	0.0773	<0.00002	-	-	-	-	-
MC-TP4-DC	25-Jan-2021	<0.0002	0.0776	<0.00002	-	-	-	-	-
MC-TP4-DC	25-Jan-2021	<0.0002	0.0765	<0.00002	-	-	-	-	-
MC-TP4-DC	26-Jan-2021	<0.0002	0.0783	<0.00002	-	-	-	-	-
MC-TP4-DC	27-Jan-2021	<0.0002	0.087	<0.00002	-	-	-	-	-
MC-TP4-DC	28-Jan-2021	<0.0002	0.0729	<0.00002	-	-	-	-	-
MC-TP4-DC	29-Jan-2021	<0.0002	0.0672	<0.00002	-	-	-	-	-
MC-TP4-DC	30-Jan-2021	<0.0002	0.0695	<0.00002	-	-	-	-	-
MC-TP4-DC	31-Jan-2021	<0.0002	0.0699	<0.00002	-	-	-	-	-
MC-TP4-DC	1-Feb-2021	<0.0002	0.0717	<0.00002	-	-	-	-	-
MC-TP4-DC	2-Feb-2021	<0.0002	0.0713	<0.00002	-	-	-	-	-
MC-TP4-DC	3-Feb-2021	<0.0002	0.0707	<0.00002	-	-	-	-	-
MC-TP4-DC	4-Feb-2021	<0.0002	0.0731	<0.00002	-	-	-	-	-
MC-TP4-DC	5-Feb-2021	<0.0002	0.0736	<0.00002	-	-	-	-	-
MC-TP4-DC	6-Feb-2021	<0.0002	0.0712	<0.00002	-	-	-	-	-
MC-TP4-DC	7-Feb-2021	<0.0002	0.07	<0.00002	-	-	-	-	-
MC-TP4-DC	8-Feb-2021	<0.0002	0.0729	<0.00002	-	-	-	-	-
MC-TP4-DC	9-Feb-2021	<0.0002	0.076	<0.00002	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21B2268	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	10-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2268	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	11-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2268	8	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	12-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2268	9	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	13-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2268	10	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	14-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2268	11	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	15-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2268	12	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	16-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2231	1	No	Regular	MC-TP4 DC (ID E206805)	MC-TP4-DC	17-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2938	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	18-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2938	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	19-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2938	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	20-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2938	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	21-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2938	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	22-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2938	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	23-Feb-2021	-	-	-	-	-	-	-	-	-	-
21B2938	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	24-Feb-2021	-	-	-	-	-	-	-	-	-	-
21C1256	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	25-Feb-2021	-	-	-	-	-	-	-	-	-	-
21C1256	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	26-Feb-2021	-	-	-	-	-	-	-	-	-	-
21C1256	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	27-Feb-2021	-	-	-	-	-	-	-	-	-	-
21C1256	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	28-Feb-2021	-	-	-	-	-	-	-	-	-	-
21C1256	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	1-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C1256	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	2-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C1256	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	3-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C2556	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	4-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C2556	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	5-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C2556	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	6-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C2556	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	7-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C2556	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	8-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C2556	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	9-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C2556	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	10-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C3434	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	11-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C3434	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	12-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C3434	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	13-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C3434	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	14-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C3434	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	15-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C3434	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	16-Mar-2021	-	-	-	-	-	-	-	-	-	-
21C3434	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	17-Mar-2021	-	-	-	-	-	-	-	-	-	-
21D0175	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	18-Mar-2021	-	-	-	-	-	-	-	-	-	-
21D0175	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	19-Mar-2021	-	-	-	-	-	-	-	-	-	-
21D0175	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	20-Mar-2021	-	-	-	-	-	-	-	-	-	-
21D0175	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	21-Mar-2021	-	-	-	-	-	-	-	-	-	-
21D0175	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	22-Mar-2021	-	-	-	-	-	-	-	-	-	-
21D0175	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	23-Mar-2021	-	-	-	-	-	-	-	-	-	-
21D0175	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	24-Mar-2021	-	-	-	-	-	-	-	-	-	-
21D0175	8	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	25-Mar-2021	-	-	-	-	-	-	-	-	-	-
21D0175	9	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	26-Mar-2021	-	-	-	-	-	-	-	-	-	-
21D0175	10	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	27-Mar-2021	-	-	-	-	-	-	-	-	-	-
21D0175	11	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	28-Mar-2021	-	-	-	-	-	-	-	-	-	-
21D0175	12	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	29-Mar-2021	-	-	-	-	-	-	-	-	-	-
21D0175	13	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	30-Mar-2021	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MC-TP4-DC	10-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0128	20.4	0.000082	0.0056	0.0233
MC-TP4-DC	11-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0103	19.4	0.000097	0.0055	0.0229
MC-TP4-DC	12-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0136	17.8	0.000096	0.0054	0.0221
MC-TP4-DC	13-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0123	18.8	0.000118	0.0054	0.0223
MC-TP4-DC	14-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0111	21.7	0.000099	0.0062	0.0239
MC-TP4-DC	15-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0096	22.4	0.000097	0.0059	0.0242
MC-TP4-DC	16-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0109	22.4	0.000087	0.0062	0.0245
MC-TP4-DC	17-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0189	17.7	0.000094	0.0048	0.023
MC-TP4-DC	18-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0141	22.8	0.000091	0.0078	0.0235
MC-TP4-DC	19-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0142	20.3	0.000086	0.0072	0.0221
MC-TP4-DC	20-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0121	20.4	0.000108	0.0061	0.0229
MC-TP4-DC	21-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0402	15.1	0.00012	0.005	0.0193
MC-TP4-DC	22-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0366	11.9	0.0001	0.0047	0.0152
MC-TP4-DC	23-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0272	13.2	0.0001	0.0045	0.0148
MC-TP4-DC	24-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0263	14.8	0.000096	0.005	0.0162
MC-TP4-DC	25-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.025	17.2	0.000253	0.0075	0.0171
MC-TP4-DC	26-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0272	18.6	0.000194	0.0061	0.018
MC-TP4-DC	27-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0223	19.9	0.000108	0.0057	0.0189
MC-TP4-DC	28-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.032	19.7	0.000103	0.0055	0.0184
MC-TP4-DC	1-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0307	19.5	0.000112	0.0053	0.0192
MC-TP4-DC	2-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0274	21.6	0.000106	0.0054	0.0193
MC-TP4-DC	3-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0238	22.2	0.000104	0.0057	0.0198
MC-TP4-DC	4-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.027	23.6	0.000126	0.0072	0.0224
MC-TP4-DC	5-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0363	23.2	0.0001	0.0063	0.0235
MC-TP4-DC	6-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.035	21.1	0.000105	0.0057	0.0219
MC-TP4-DC	7-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0265	20.4	0.00009	0.0054	0.0196
MC-TP4-DC	8-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0327	22.2	0.000103	0.0057	0.0226
MC-TP4-DC	9-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.026	23	0.000117	0.0058	0.0235
MC-TP4-DC	10-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0219	25.5	0.000132	0.0059	0.0244
MC-TP4-DC	11-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0205	22	0.000091	0.0041	0.0241
MC-TP4-DC	12-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0205	20.2	0.000086	0.0038	0.0234
MC-TP4-DC	13-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0218	18.9	0.000077	0.0036	0.0224
MC-TP4-DC	14-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0226	18.3	0.00011	0.0033	0.0234
MC-TP4-DC	15-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0193	20.2	0.000086	0.0036	0.0252
MC-TP4-DC	16-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0187	20.2	0.000097	0.0042	0.0244
MC-TP4-DC	17-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0176	22	0.000093	0.0046	0.0252
MC-TP4-DC	18-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0295	24	0.00013	0.0122	0.027
MC-TP4-DC	19-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0153	22	0.000117	0.0094	0.0243
MC-TP4-DC	20-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0282	20.2	0.000107	0.0087	0.02
MC-TP4-DC	21-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0258	18.5	0.000119	0.0086	0.0169
MC-TP4-DC	22-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0292	18.8	0.000076	0.0083	0.0173
MC-TP4-DC	23-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0252	20	0.000115	0.0089	0.0178
MC-TP4-DC	24-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0286	18.2	0.000105	0.0083	0.0167
MC-TP4-DC	25-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0286	18.3	0.000133	0.0082	0.0171
MC-TP4-DC	26-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0266	18.2	0.00012	0.0084	0.0171
MC-TP4-DC	27-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0352	15.8	0.000133	0.0078	0.0166
MC-TP4-DC	28-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0341	12.3	0.000121	0.0065	0.0155
MC-TP4-DC	29-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0278	15.5	0.000126	0.0066	0.0177
MC-TP4-DC	30-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0311	16.3	0.000107	0.0067	0.0192

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MC-TP4-DC	10-Feb-2021	<0.00001	<0.00001	0.000243	30.3	0.00017	0.0000147	0.0008	0.0091	<0.01	0.000135	2.37	0.000561	0.000695	0.000156	0.000067	0.567	0.00023	0.000076	1.9	<0.00001	1.87	0.0663
MC-TP4-DC	11-Feb-2021	<0.00001	<0.00001	0.00024	29.8	0.00016	0.0000095	0.00072	0.007	<0.01	0.000136	2.32	0.000491	0.000638	0.00021	0.000063	0.532	0.00024	0.000077	1.9	<0.00001	1.8	0.0646
MC-TP4-DC	12-Feb-2021	<0.00001	<0.00001	0.000253	27.6	0.00015	0.0000206	0.00132	0.0064	<0.01	0.000128	2.2	0.000641	0.000593	0.000196	0.000283	0.505	0.00023	0.000115	1.87	<0.00001	1.83	0.0588
MC-TP4-DC	13-Feb-2021	<0.00001	<0.00001	0.000241	28.3	0.00011	0.0000111	0.00144	0.0044	<0.01	0.00013	2.24	0.000478	0.000595	0.000144	0.000194	0.476	0.00022	0.000073	1.91	<0.00001	1.83	0.0627
MC-TP4-DC	14-Feb-2021	<0.00001	<0.00001	0.000272	31.2	0.00016	0.0000107	0.00126	0.0051	<0.01	0.000141	2.49	0.000439	0.000729	0.000163	0.00009	0.535	0.00022	0.000125	1.95	<0.00001	2.06	0.0693
MC-TP4-DC	15-Feb-2021	<0.00001	<0.00001	0.00026	31.9	0.00022	0.0000152	0.00126	0.0057	<0.01	0.000137	2.51	0.000833	0.000796	0.000329	<0.00005	0.611	0.00026	0.000065	1.9	<0.00001	2.19	0.0714
MC-TP4-DC	16-Feb-2021	<0.00001	<0.00001	0.000261	31.6	0.00012	0.0000153	0.0012	0.0054	<0.01	0.00014	2.53	0.00114	0.000854	0.000178	0.000082	0.688	0.00024	0.000062	1.89	<0.00001	2.22	0.0721
MC-TP4-DC	17-Feb-2021	<0.00001	<0.00001	0.000207	25.7	<0.0001	0.0000135	0.00117	0.007	<0.01	0.000121	2.21	0.000739	0.000736	0.000137	0.000085	0.49	0.0002	<0.00005	1.84	<0.00001	1.74	0.0684
MC-TP4-DC	18-Feb-2021	<0.00001	<0.00001	0.000253	27.6	0.00011	0.0000097	0.00119	0.0041	<0.01	0.000163	2.41	0.000221	0.00097	0.00015	0.000085	0.681	0.00024	0.00005	1.94	<0.00001	2.15	0.0738
MC-TP4-DC	19-Feb-2021	<0.00001	<0.00001	0.000235	26.8	<0.0001	0.000011	0.00118	0.0055	<0.01	0.000172	2.28	0.000715	0.000912	0.000144	0.000082	0.615	0.00021	0.000058	1.81	<0.00001	1.96	0.0715
MC-TP4-DC	20-Feb-2021	<0.00001	<0.00001	0.000239	27.4	0.00011	0.0000112	0.00132	0.0034	<0.01	0.000163	2.25	0.000391	0.00087	0.000155	0.000156	0.567	0.00027	<0.00005	1.92	<0.00001	1.91	0.0726
MC-TP4-DC	21-Feb-2021	<0.00001	<0.00001	0.000192	22.3	0.00011	0.0000235	0.00236	0.0288	<0.01	0.00014	1.7	0.000881	0.000653	0.000144	0.000394	0.418	0.00024	<0.00005	1.68	<0.00001	1.56	0.0555
MC-TP4-DC	22-Feb-2021	<0.00001	<0.00001	0.00018	18.1	0.00011	0.0000238	0.00255	0.0156	<0.01	0.000179	1.43	0.00188	0.000521	0.000219	0.000215	0.352	0.00018	<0.00005	1.64	<0.00001	1.47	0.0485
MC-TP4-DC	23-Feb-2021	<0.00001	<0.00001	0.000184	19.5	0.00012	0.0000208	0.00215	0.0086	<0.01	0.000188	1.59	0.00181	0.000545	0.000148	0.000129	0.324	0.00017	<0.00005	1.78	<0.00001	1.48	0.0516
MC-TP4-DC	24-Feb-2021	<0.00001	<0.00001	0.000207	21.7	<0.0001	0.0000233	0.00212	0.0095	<0.01	0.000234	1.8	0.0024	0.000513	0.00016	0.000215	0.345	0.00017	<0.00005	1.79	<0.00001	1.6	0.0584
MC-TP4-DC	25-Feb-2021	<0.00001	<0.00001	0.000227	23.8	0.00015	0.0000235	0.00139	0.0102	<0.01	0.000257	2.08	0.00158	0.00057	0.000216	0.000129	0.388	0.00018	0.000067	1.83	<0.00001	1.79	0.0676
MC-TP4-DC	26-Feb-2021	<0.00001	<0.00001	0.000226	25.6	0.0002	0.0000251	0.00196	0.0114	0.011	0.000286	2.18	0.00203	0.000557	0.000245	0.000324	0.395	0.00019	0.000105	1.91	<0.00001	1.85	0.0715
MC-TP4-DC	27-Feb-2021	<0.00001	<0.00001	0.00023	26.2	0.00013	0.0000194	0.00166	0.0173	<0.01	0.000288	2.13	0.00197	0.000713	0.000201	0.000176	0.375	0.0002	0.000055	1.99	<0.00001	1.8	0.0722
MC-TP4-DC	28-Feb-2021	<0.00001	<0.00001	0.000241	26.6	0.00015	0.0000231	0.00267	0.0103	<0.01	0.000294	2.29	0.00243	0.00055	0.000185	0.000143	0.362	0.0002	0.000056	1.95	<0.00001	1.83	0.0747
MC-TP4-DC	1-Mar-2021	<0.00001	<0.00001	0.000231	26.3	0.0002	0.0000251	0.00281	0.0182	<0.01	0.000358	2.25	0.00222	0.000573	0.000182	0.00026	0.37	0.00018	0.000101	1.86	<0.00001	1.83	0.0741
MC-TP4-DC	2-Mar-2021	<0.00001	<0.00001	0.000235	27.6	0.00015	0.0000186	0.0026	0.0096	<0.01	0.000284	2.1	0.00284	0.000616	0.000214	0.000303	0.455	0.00021	0.000051	1.87	<0.00001	1.85	0.0768
MC-TP4-DC	3-Mar-2021	<0.00001	<0.00001	0.000245	28.5	0.00013	0.0000206	0.00214	0.0087	<0.01	0.000314	2.12	0.003	0.000722	0.000206	0.000138	0.535	0.0002	0.000055	1.93	<0.00001	1.9	0.0806
MC-TP4-DC	4-Mar-2021	<0.00001	<0.00001	0.000264	29.5	0.00015	0.0000227	0.00128	0.0133	<0.01	0.000329	2.25	0.00176	0.000621	0.000286	0.000167	0.626	0.00026	0.000076	2.12	<0.00001	2.01	0.0922
MC-TP4-DC	5-Mar-2021	<0.00001	<0.00001	0.000311	30	0.00024	0.0000282	0.0023	0.0278	<0.01	0.000271	2.11	0.00295	0.000515	0.000265	0.000201	0.548	0.00016	<0.00005	2.08	<0.00001	1.8	0.0849
MC-TP4-DC	6-Mar-2021	<0.00001	<0.00001	0.000248	28	0.00015	0.0000176	0.00153	0.0146	<0.01	0.00023	1.95	0.00185	0.000519	0.000225	0.000073	0.426	0.00022	0.000143	2	<0.00001	1.56	0.0711
MC-TP4-DC	7-Mar-2021	<0.00001	<0.00001	0.000281	27.2	0.00015	0.0000191	0.00529	0.0076	<0.01	0.000202	2.05	0.00174	0.00055	0.000227	0.000154	0.393	0.00022	0.000107	2.23	<0.00001	1.6	0.0725
MC-TP4-DC	8-Mar-2021	<0.00001	<0.00001	0.000294	30	0.00014	0.0000188	0.00229	0.0062	<0.01	0.00024	2.29	0.0012	0.000536	0.000204	0.000101	0.403	0.00021	0.000062	2.13	<0.00001	1.73	0.0794
MC-TP4-DC	9-Mar-2021	<0.00001	<0.00001	0.000298	32.5	0.00016	0.0000226	0.00134	0.007	<0.01	0.000251	2.39	0.00264	0.000586	0.000224	0.000107	0.447	0.00018	0.000054	2.32	<0.00001	1.76	0.0814
MC-TP4-DC	10-Mar-2021	<0.00001	<0.00001	0.000346	33	0.00017	0.0000235	0.00153	0.0063	<0.01	0.000255	2.6	0.00378	0.000644	0.000275	0.000058	0.505	0.00016	0.00006	2.49	<0.00001	1.91	0.0954
MC-TP4-DC	11-Mar-2021	<0.00001	<0.00001	0.000308	33.9	0.00011	0.0000184	0.00163	0.007	<0.01	0.000243	2.7	0.00193	0.000633	0.000199	0.00019	0.495	0.00023	<0.00005	2.04	<0.00001	1.83	0.0818
MC-TP4-DC	12-Mar-2021	<0.00001	<0.00001	0.000291	31.7	0.00013	0.0000146	0.00155	0.0079	<0.01	0.000198	2.61	0.001	0.000607	0.000844	0.000119	0.441	0.00019	<0.00005	1.97	<0.00001	1.75	0.0755
MC-TP4-DC	13-Mar-2021	<0.00001	<0.00001	0.00028	30	0.00016	0.0000181	0.00172	0.0155	<0.01	0.000195	2.52	0.00157	0.000588	0.000182	0.000193	0.413	0.00016	<0.00005	2.01	<0.00001	1.7	0.0698
MC-TP4-DC	14-Mar-2021	<0.00001	<0.00001	0.000266	29.5	<0.0001	0.0000182	0.00235	0.0115	<0.01	0.000168	2.38	0.00142	0.00056	0.000181	0.000558	0.4	0.00019	<0.00005	1.91	<0.00001	1.74	0.0675
MC-TP4-DC	15-Mar-2021	<0.00001	<0.00001	0.000272	31.2	0.00014	0.0000135	0.00165	0.0062	<0.01	0.000178	2.57	0.00115	0.000672	0.000195	0.000235	0.477	0.00022	<0.00005	1.95	<0.00001	1.76	0.0735
MC-TP4-DC	16-Mar-2021	<0.00001	<0.00001	0.000286	31.2	0.00011	0.0000169	0.00184	0.0072	<0.01	0.000206	2.61	0.0025	0.000783	0.000246	0.000246	0.581	0.00023	<0.00005	1.94	<0.00001	1.8	0.0737
MC-TP4-DC	17-Mar-2021	<0.00001	<0.00001	0.000289	32.7	0.00011	0.000022	0.00158	0.0053	<0.01	0.000227	2.8	0.00291	0.000954	0.000171	0.000121	0.706	0.00022	0.000078	1.98	<0.00001	1.95	0.08
MC-TP4-DC	18-Mar-2021	<0.00001	<0.00001	0.000279	34.5	0.00011	0.0000223	0.00192	0.0156	<0.01	0.000291	2.79	0.00169	0.00094	0.000323	0.000315	0.813	0.00021	0.000073	2.1	<0.00001	2.21	0.087
MC-TP4-DC	19-Mar-2021	<0.00001	<0.00001	0.000285	32.3	0.00013	0.0000146	0.00136	0.0071	<0.01	0.000251	2.55	0.00119	0.000732	0.000143	0.000113	0.726	0.00021	<0.00005	2.09	<0.00001	2.01	0.0802
MC-TP4-DC	20-Mar-2021	<0.00001	<0.00001	0.000268	29.6	0.00011	0.0000217	0.00222	0.0081	<0.01	0.000347	2.26	0.0026	0.000639	0.000176	0.000146	0.762	0.00017	0.000082	2	<0.00001	2.01	0.0793
MC-TP4-DC	21-Mar-2021	<0.00001	<0.00001	0.000243	26.4	0.00017	0.0000241	0.00201	0.0109	<0.01	0.000352	2.14	0.00289	0.00058	0.000198	0.000174	0.717	0.00018	<0.00005	1.95	<0.00001	1.93	0.0748
MC-TP4-DC	22-Mar-2021	<0.00001	<0.00001	0.000248	26.5	0.00015	0.0000284	0.00251	0.0105	<0.01	0.000381	2.25	0.00374	0.00056	0.000225	0.000169	0.747	0.00016	<0.00005	2.08	<0.00001	1.95	0.0751
MC-TP4-DC	23-Mar-2021	<0.00001	<0.00001	0.00025	27.8	0.00011	0.0000279	0.00207	0.0111	<0.01	0.000395	2.5	0.00428	0.000809	0.000214	0.000164	0.861	0.00017	<0.00005	1.98	<0.00001	2.07	0.0791
MC-TP4-DC	24-Mar-2021	<0.00001	<0.00001	0.000232	26.2	0.00015	0.0000327	0.00235	0.0095	<0.01	0.000365	2.28	0.00519	0.000826	0.000215	0.00016	0.812	0.00018	<0.00005	1.96	<0.00001	1.94	0.0732
MC-TP4-DC	25-Mar-2021	<0.00001	<0.00001	0.000235	25.9	0.00011	0.0000276	0.00244	0.0072	<0.01	0.000368	2.26	0.00419	0.000843	0.000173	0.000104	0.82	0.00014	<0.00005	2.05	<0.00001	1.97	0.0726
MC-TP4-DC	26-Mar-2021	<0.00001	<0.00001	0.000228	26.3	0.0002	0.0000189	0.00176	0.0082	<0.01	0.000376	2.27	0.00279	0.00101	0.000191	0.000108	0.865	0.00017	<0.00005	2.01	<0.00001	1.97	0.0741
MC-TP4-DC	27-Mar-2021	<0.00001	<0.00001	0.000211	23.6	0.00023	0.0000245	0.00252	0.0164	<0.01	0.000307	1.99	0.00342	0.000958	0.0002	0.00027	0.753	0.00018	0.000254	1.88	<0.00001	1.83	0.0646
MC-TP4-DC	28-Mar-2021	<0.00001	<0.00001	0.000192	19.7	<0.0001	0.0000235	0.00257	0.0122	<0.01	0.00021	1.6	0.00242	0.000648	0.000161	0.000162	0.513	0.00014	<0.00005	1.74	<0.00001	1.49	0.0498
MC-TP4-DC	29-Mar-2021	<0.00001	<0.00001	0.000237	23.5	0.00012	0.0000305	0.00278	0.0104	<0.01	0.000278	1.95	0.00517	0.00063	0.000178	0.00029	0.589	0.00018	<0.00005	1.87	<0.00001	1.74	0.0621
MC-TP4-DC	30-Mar-2021	<0.00001	<0.00001	0.000254	24.7	0.00014	0.000029	0.00341	0.0164	<0.01	0.000301	2.08	0.00487	0.000624	0.000196	0.000343	0.573	0.0002	0.000153	1.9	<0.00001	1.78	0.0646

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MC-TP4-DC	10-Feb-2021	0.000061	<0.000004	<0.00001	<0.0002	<0.0002	0.0000081	<0.0002	0.0797	<0.00002	-	0.0107	19.8	0.000098	0.0045	0.000012	<0.00001	0.023	0.000234	29.7	0.00017	0.0000108	0.00086	0.0032
MC-TP4-DC	11-Feb-2021	<0.00005	0.0000043	<0.00001	<0.0002	<0.0002	0.0000092	<0.0002	0.0765	<0.00002	-	0.0091	19.8	0.000145	0.0045	<0.00001	<0.00001	0.0229	0.000237	29.2	0.00012	0.000009	0.00087	0.0027
MC-TP4-DC	12-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000072	<0.0002	0.0769	<0.00002	-	0.0104	18.4	0.000112	0.0045	<0.00001	<0.00001	0.0225	0.000247	27	0.00011	0.0000195	0.00139	0.0035
MC-TP4-DC	13-Feb-2021	0.00009	<0.000004	<0.00001	<0.0002	<0.0002	0.0000085	<0.0002	0.0785	<0.00002	-	0.0105	18.5	0.000105	0.0046	<0.00001	<0.00001	0.0226	0.00024	27.5	0.00015	0.0000139	0.00153	0.0034
MC-TP4-DC	14-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000088	<0.0002	0.0822	<0.00002	-	0.0097	20	0.000097	0.005	<0.00001	<0.00001	0.0255	0.000266	30.5	<0.0001	0.0000098	0.00134	0.0037
MC-TP4-DC	15-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000008	<0.0002	0.0823	<0.00002	-	0.0084	20.9	0.000079	0.005	<0.00001	<0.00001	0.025	0.00025	30.4	0.00015	0.000014	0.00135	0.0037
MC-TP4-DC	16-Feb-2021	0.000065	0.000004	<0.00001	<0.0002	<0.0002	0.0000074	<0.0002	0.0798	<0.00002	-	0.009	19.7	0.000116	0.0056	<0.00001	<0.00001	0.0259	0.000253	31.4	0.00014	0.0000179	0.00162	0.019
MC-TP4-DC	17-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000099	0.00023	0.0613	<0.00002	-	0.0135	16.5	0.000091	0.0044	<0.00001	<0.00001	0.0223	0.000205	25.2	<0.0001	0.0000106	0.00155	0.003
MC-TP4-DC	18-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000088	0.00028	0.0804	<0.00002	-	0.015	20.8	0.000087	0.0047	<0.00001	<0.00001	0.024	0.000268	27	0.00017	0.0000162	0.00207	0.0039
MC-TP4-DC	19-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000083	0.00041	0.0695	<0.00002	-	0.0111	21.1	0.000073	0.0047	<0.00001	<0.00001	0.0233	0.000244	27.6	<0.0001	0.000009	0.00124	0.0027
MC-TP4-DC	20-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000009	0.00029	0.071	<0.00002	-	0.0121	19.5	0.000099	0.0043	<0.00001	<0.00001	0.0232	0.000259	27.6	<0.0001	0.0000121	0.00134	0.0024
MC-TP4-DC	21-Feb-2021	<0.00005	<0.000004	<0.00001	0.00072	<0.0002	0.0000112	0.00033	0.0597	<0.00002	-	0.0187	14.9	0.000083	0.0033	<0.00001	<0.00001	0.019	0.000191	21.9	<0.0001	0.0000101	0.00213	0.0039
MC-TP4-DC	22-Feb-2021	<0.00005	<0.000004	<0.00001	0.00034	<0.0002	0.0000161	0.00031	0.0574	<0.00002	-	0.0283	12.3	0.00008	0.0034	<0.00001	<0.00001	0.0154	0.000175	17.9	0.00013	0.0000159	0.0025	0.0053
MC-TP4-DC	23-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000146	0.00028	0.0628	<0.00002	-	0.0229	12.7	0.000071	0.0035	<0.00001	<0.00001	0.0148	0.000186	19.1	<0.0001	0.0000174	0.00198	0.0039
MC-TP4-DC	24-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000141	0.00032	0.0698	<0.00002	-	0.0198	14.5	0.000083	0.0037	<0.00001	<0.00001	0.0156	0.000197	21.3	<0.0001	0.0000171	0.00199	0.0025
MC-TP4-DC	25-Feb-2021	<0.00005	0.000007	<0.00001	0.00022	<0.0002	0.0000209	<0.0002	0.0769	0.000767	-	0.0197	13.5	0.000075	0.0047	<0.00001	<0.00001	0.018	0.000232	22.9	0.00016	0.0000153	0.00213	0.0045
MC-TP4-DC	26-Feb-2021	<0.00005	<0.000004	<0.00001	0.00024	<0.0002	0.0000174	<0.0002	0.081	<0.00002	-	0.0224	15.2	0.000079	0.0044	<0.00001	<0.00001	0.0176	0.000234	23.5	0.00015	0.0000168	0.002	0.0105
MC-TP4-DC	27-Feb-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000128	<0.0002	0.0819	<0.00002	-	0.018	15.8	0.000086	0.0042	<0.00001	<0.00001	0.0184	0.000237	24.4	0.00014	0.0000112	0.00164	0.003
MC-TP4-DC	28-Feb-2021	<0.00005	<0.000004	<0.00001	0.00023	<0.0002	0.0000149	<0.0002	0.0836	<0.00002	-	0.0232	16.1	0.000067	0.0046	<0.00001	<0.00001	0.0196	0.000235	25.4	0.00014	0.0000181	0.0024	0.004
MC-TP4-DC	1-Mar-2021	<0.00005	<0.000004	<0.00001	0.00025	<0.0002	0.000014	<0.0002	0.0834	<0.00002	-	0.023	16.7	0.000088	0.0045	<0.00001	<0.00001	0.0193	0.000233	25.6	0.00014	0.0000177	0.00199	0.0038
MC-TP4-DC	2-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000153	<0.0002	0.0853	<0.00002	-	0.0216	17.1	0.000095	0.0046	<0.00001	<0.00001	0.0195	0.000236	26.4	0.00022	0.0000201	0.00213	0.0043
MC-TP4-DC	3-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000016	<0.0002	0.088	<0.00002	-	0.0213	17.9	0.000082	0.005	<0.00001	<0.00001	0.0204	0.000249	27.9	0.00017	0.0000189	0.00268	0.0045
MC-TP4-DC	4-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000012	0.00027	0.0874	<0.00002	-	0.0191	23.4	0.000107	0.006	<0.00001	<0.00001	0.0222	0.000291	28.7	0.00015	0.0000203	0.00897	0.0058
MC-TP4-DC	5-Mar-2021	<0.00005	<0.000004	<0.00001	0.0002	<0.0002	0.0000165	0.0003	0.0919	<0.00002	-	0.0298	22.1	0.000087	0.005	<0.00001	<0.00001	0.023	0.000297	29.2	0.00017	0.0000198	0.00369	0.0035
MC-TP4-DC	6-Mar-2021	<0.00005	<0.000004	<0.00001	0.00029	<0.0002	0.0000158	0.00028	0.0906	<0.00002	-	0.0308	20.4	0.000098	0.0046	<0.00001	<0.00001	0.021	0.00028	27.9	0.00014	0.0000194	0.00261	0.0032
MC-TP4-DC	7-Mar-2021	<0.00005	<0.000004	<0.00001	0.0002	<0.0002	0.0000156	0.00024	0.094	<0.00002	-	0.0209	18.3	0.000074	0.0047	<0.00001	<0.00001	0.0199	0.00026	26.1	0.00013	0.0000169	0.00318	0.0036
MC-TP4-DC	8-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000163	0.00023	0.0978	<0.00002	-	0.0231	21.8	0.000093	0.0048	<0.00001	<0.00001	0.022	0.000322	28.4	0.00017	0.000018	0.00297	0.0027
MC-TP4-DC	9-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000138	0.00035	0.104	<0.00002	-	0.0219	23.2	0.000093	0.0049	<0.00001	<0.00001	0.0223	0.000307	30.8	0.00014	0.0000205	0.0018	0.0031
MC-TP4-DC	10-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000158	0.00043	0.104	<0.00002	-	0.0173	24.8	0.000067	0.005	<0.00001	<0.00001	0.0251	0.0003	31.4	0.00015	0.0000222	0.00159	0.0032
MC-TP4-DC	11-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000168	<0.0002	0.0987	<0.00002	-	0.021	20.3	0.000091	0.0046	<0.00001	<0.00001	0.0243	0.000303	31.9	0.00014	0.0000188	0.00413	0.0073
MC-TP4-DC	12-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000156	<0.0002	0.0906	0.00002	-	0.0188	20	0.000072	0.0043	<0.00001	<0.00001	0.0227	0.000279	30.4	0.0001	0.0000093	0.00192	0.0025
MC-TP4-DC	13-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000153	<0.0002	0.0907	<0.00002	-	0.0186	17.7	0.000095	0.0043	<0.00001	<0.00001	0.0215	0.000263	28.8	0.00011	0.000009	0.00212	<0.002
MC-TP4-DC	14-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000144	<0.0002	0.0842	<0.00002	-	0.0184	17.5	0.000089	0.0042	<0.00001	<0.00001	0.0216	0.000261	28.6	<0.0001	0.0000125	0.00227	0.0022
MC-TP4-DC	15-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000155	<0.0002	0.0862	<0.00002	-	0.0172	19.7	0.000078	0.0043	<0.00001	<0.00001	0.0232	0.000264	29.8	<0.0001	0.0000129	0.00181	<0.002
MC-TP4-DC	16-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000141	<0.0002	0.0912	<0.00002	-	0.0168	19.8	0.000106	0.0049	<0.00001	<0.00001	0.024	0.000278	30.6	0.00012	0.0000167	0.0021	0.0024
MC-TP4-DC	17-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000162	<0.0002	0.0942	<0.00002	-	0.0148	21.2	0.000075	0.0051	<0.00001	<0.00001	0.0248	0.000296	32.8	0.00011	0.000017	0.00184	0.0021
MC-TP4-DC	18-Mar-2021	<0.00005	<0.000004	<0.00001	0.00051	<0.0002	0.0000161	<0.001	0.0923	<0.00002	-	0.0182	23.7	0.000077	0.0115	<0.00001	<0.00001	0.0254	0.000284	33.4	<0.0001	0.0000142	0.00253	0.0023
MC-TP4-DC	19-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000152	<0.001	0.0943	<0.00002	-	0.012	21.5	0.000081	0.0087	<0.00001	<0.00001	0.0242	0.00028	31.4	0.00012	0.0000159	0.00234	0.0034
MC-TP4-DC	20-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000174	<0.001	0.0913	<0.00002	-	0.0249	20	0.000094	0.008	<0.00001	<0.00001	0.0195	0.000256	29.5	<0.0001	0.0000255	0.00291	0.0041
MC-TP4-DC	21-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000177	<0.001	0.0934	<0.00002	-	0.0181	19	0.000094	0.0074	<0.00001	<0.00001	0.0169	0.000225	25.7	0.00012	0.000018	0.0023	0.0023
MC-TP4-DC	22-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000188	<0.001	0.0974	<0.00002	-	0.0228	18.9	0.000097	0.0075	<0.00001	<0.00001	0.0166	0.000239	25.9	0.00011	0.0000258	0.00264	0.0024
MC-TP4-DC	23-Mar-2021	<0.00005	<0.000004	<0.00001	0.00037	<0.0002	0.0000181	<0.001	0.0993	<0.00002	-	0.0171	20.3	0.000095	0.0076	<0.00001	<0.00001	0.017	0.000246	27.1	0.00011	0.0000245	0.0021	0.0022
MC-TP4-DC	24-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000203	<0.001	0.0905	<0.00002	-	0.021	17.9	0.000077	0.0074	<0.00001	<0.00001	0.0157	0.00023	25.5	0.00014	0.0000265	0.00237	0.0026
MC-TP4-DC	25-Mar-2021	<0.00005	<0.000004	<0.00001	0.00031	<0.0002	0.0000196	<0.001	0.0904	<0.00002	-	0.0271	19.2	0.000123	0.0075	<0.00001	<0.00001	0.0169	0.000227	26.3	0.00012	0.0000339	0.00247	0.0031
MC-TP4-DC	26-Mar-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000189	<0.001	0.0911	<0.00002	-	0.0242	18.6	0.000102	0.007	<0.00001	<0.00001	0.0166	0.000223	25.4	<0.0001	0.0000192	0.00175	0.0034
MC-TP4-DC	27-Mar-2021	<0.00005	<0.000004	<0.00001	0.00023	<0.0002	0.0000195	<0.001	0.0799	<0.00002	-	0.0275	16.7	0.000082	0.0063	<0.00001	<0.00001	0.0158	0.000207	22.7	<0.0001	0.0000221	0.00223	0.0031
MC-TP4-DC	28-Mar-2021	<0.00005	<0.000004	<0.00001	0.00027	<0.0002	0.0000188	<0.001	0.0711	<0.00002	-	0.0312	12.1	0.000066	0.0051	<0.00001	<0.00001	0.0154	0.000187	19.4	0.00013	0.0000194	0.00253	0.0051
MC-TP4-DC	29-Mar-2021	<0.00005	<0.000004	<0.00001	0.00023	<0.0002	0.000019	<0.001	0.0847	<0.00002	-	0.0227	15.8	0.000099	0.0053	<0.00001	<0.00001	0.0169	0.000235	22.7	<0.0001	0.0000329	0.00306	0.0065
MC-TP4-DC	30-Mar-2021	<0.00005	<0.000004	<0.00001	0.00056	<0.0002	0.000021	<0.001	0.0965	<0.00002	-	0.0204	16.9	0.000069	0.0051	<0.00001	<0.00001	0.0179	0.000251	23.8	<0.0001	0.0000287	0.00332	0.0028

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MC-TP4-DC	10-Feb-2021	0.011	0.000129	2.28	0.000317	0.000633	0.000196	0.000122	0.551	0.000283	0.00024	1.87	0.0637	0.000071	<0.00001	1.82	0.000246	0.000068	0.0000107	<0.00001	<0.0002	<0.0002	0.0000117
MC-TP4-DC	11-Feb-2021	<0.01	0.000126	2.31	0.000353	0.000645	0.000129	0.000159	0.527	0.000269	0.00026	1.86	0.0638	0.000071	<0.00001	1.8	0.000252	0.000085	<0.000004	<0.00001	<0.0002	<0.0002	0.0000067
MC-TP4-DC	12-Feb-2021	<0.01	0.000117	2.15	0.000233	0.000617	0.000076	0.00016	0.488	0.000286	0.00022	1.9	0.0582	0.00008	0.000019	1.84	0.000247	0.000072	<0.000004	<0.00001	<0.0002	<0.0002	0.0000067
MC-TP4-DC	13-Feb-2021	<0.01	0.000112	2.16	0.000376	0.000579	0.000155	0.000259	0.464	0.000291	0.00022	1.79	0.0593	0.00005	<0.00001	1.76	0.000242	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000066
MC-TP4-DC	14-Feb-2021	<0.01	0.000124	2.41	0.000505	0.000618	0.00014	0.000256	0.532	0.000321	0.00022	1.77	0.068	<0.00005	<0.00001	2.03	0.000277	0.000064	<0.000004	<0.00001	<0.0002	<0.0002	0.0000054
MC-TP4-DC	15-Feb-2021	<0.01	0.000121	2.41	0.000928	0.000721	0.000155	0.00024	0.578	0.000372	0.00023	1.88	0.068	0.000083	<0.00001	2.07	0.00034	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000064
MC-TP4-DC	16-Feb-2021	<0.01	0.000131	2.47	0.00133	0.000879	0.000143	0.000254	0.677	0.000449	0.00024	1.87	0.0712	0.0001	<0.00001	2.15	0.000429	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000005
MC-TP4-DC	17-Feb-2021	<0.01	0.000111	2.06	0.000397	0.000707	0.000227	0.000129	0.475	0.000321	0.00021	1.64	0.0668	<0.00005	<0.00001	1.65	0.00029	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000094
MC-TP4-DC	18-Feb-2021	<0.01	0.000147	2.4	0.000563	0.000959	0.000741	0.000185	0.673	0.000407	0.00027	1.51	0.0783	<0.00005	<0.00001	2.16	0.000426	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000068
MC-TP4-DC	19-Feb-2021	<0.01	0.000148	2.42	0.00038	0.000909	0.000211	0.000127	0.653	0.000413	0.00026	1.55	0.0765	<0.00005	<0.00001	2.07	0.000378	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000074
MC-TP4-DC	20-Feb-2021	<0.01	0.000143	2.32	0.000356	0.000836	0.000197	0.000162	0.582	0.000407	0.0003	1.56	0.0744	<0.00005	<0.00001	1.96	0.000317	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000081
MC-TP4-DC	21-Feb-2021	<0.01	0.000129	1.73	0.000371	0.000602	0.000181	0.000148	0.413	0.000338	0.00024	1.37	0.0569	<0.00005	<0.00001	1.6	0.000224	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000099
MC-TP4-DC	22-Feb-2021	<0.01	0.000169	1.43	0.00129	0.000461	0.000229	0.000153	0.345	0.000434	0.0002	1.3	0.0492	<0.00005	<0.00001	1.51	0.000176	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000132
MC-TP4-DC	23-Feb-2021	<0.01	0.000187	1.58	0.00159	0.000476	0.000281	0.000239	0.326	0.000195	0.00019	1.41	0.052	<0.00005	<0.00001	1.52	0.000154	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000135
MC-TP4-DC	24-Feb-2021	<0.01	0.000222	1.8	0.00203	0.000489	0.000279	0.000188	0.346	0.000215	0.00018	1.48	0.0595	<0.00005	<0.00001	1.62	0.000151	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000135
MC-TP4-DC	25-Feb-2021	<0.01	0.000236	2	0.000855	0.000546	0.00036	0.000115	0.378	0.00021	0.00018	1.68	0.0644	0.000123	<0.00001	1.71	0.000167	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000012
MC-TP4-DC	26-Feb-2021	<0.01	0.00025	2.14	0.00108	0.000529	0.000301	0.00014	0.372	0.000188	0.00016	1.9	0.0657	0.000079	<0.00001	1.76	0.000155	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000141
MC-TP4-DC	27-Feb-2021	<0.01	0.000233	2.04	0.000827	0.000732	0.000243	0.000113	0.355	0.000182	0.00021	1.86	0.0659	<0.00005	<0.00001	1.69	0.000151	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000107
MC-TP4-DC	28-Feb-2021	<0.01	0.000274	2.31	0.00156	0.00057	0.00046	0.000177	0.386	0.000289	0.00022	1.86	0.0707	0.000077	<0.00001	1.81	0.000167	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000143
MC-TP4-DC	1-Mar-2021	<0.01	0.000272	2.2	0.00143	0.000559	0.000383	0.000155	0.368	0.000592	0.0002	1.72	0.0684	0.000071	<0.00001	1.73	0.000153	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000125
MC-TP4-DC	2-Mar-2021	<0.01	0.000261	2.02	0.00227	0.000583	0.000385	0.00018	0.441	0.000259	0.00016	1.74	0.0718	0.000051	<0.00001	1.76	0.000179	0.000076	<0.000004	<0.00001	<0.0002	<0.0002	0.0000138
MC-TP4-DC	3-Mar-2021	<0.01	0.000292	2.13	0.00256	0.000698	0.000444	0.000177	0.531	0.000342	0.00017	1.79	0.0747	0.00005	<0.00001	1.86	0.000235	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000141
MC-TP4-DC	4-Mar-2021	<0.01	0.00032	2.24	0.00188	0.000621	0.000637	0.00115	0.659	0.000339	0.00022	2.01	0.0872	<0.00005	<0.00001	2.05	0.00035	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000129
MC-TP4-DC	5-Mar-2021	<0.01	0.000252	2.02	0.00187	0.00052	0.000273	0.00041	0.521	0.000294	0.00013	1.89	0.0798	<0.00005	<0.00001	1.71	0.000256	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000151
MC-TP4-DC	6-Mar-2021	<0.01	0.000205	2.01	0.0013	0.000494	0.000431	0.000286	0.444	0.000212	0.00017	1.85	0.0738	0.00006	<0.00001	1.63	0.000244	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000162
MC-TP4-DC	7-Mar-2021	<0.01	0.000182	1.82	0.0013	0.000561	0.000356	0.000568	0.387	0.000182	0.0002	1.92	0.0653	0.00006	<0.00001	1.45	0.000175	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000144
MC-TP4-DC	8-Mar-2021	<0.01	0.000231	2.2	0.000635	0.00054	0.000352	0.000369	0.429	0.0002	0.00016	1.89	0.0821	0.000068	<0.00001	1.7	0.000182	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000156
MC-TP4-DC	9-Mar-2021	<0.01	0.000233	2.4	0.00212	0.000597	0.000375	0.000145	0.43	0.000254	0.0002	2.12	0.0849	0.000051	<0.00001	1.82	0.000216	0.000058	<0.000004	<0.00001	<0.0002	<0.0002	0.0000148
MC-TP4-DC	10-Mar-2021	<0.01	0.000244	2.43	0.00288	0.000616	0.000303	0.000139	0.446	0.000238	0.00026	2.28	0.0874	<0.00005	<0.00001	1.8	0.000267	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000145
MC-TP4-DC	11-Mar-2021	<0.01	0.000228	2.57	0.000895	0.000612	0.000519	0.000499	0.507	0.00026	0.00016	2.16	0.077	<0.00005	<0.00001	1.8	0.000303	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000142
MC-TP4-DC	12-Mar-2021	<0.01	0.000193	2.5	0.000213	0.000602	0.000258	0.000156	0.425	0.000236	0.00016	2.15	0.0735	<0.00005	<0.00001	1.81	0.000264	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000016
MC-TP4-DC	13-Mar-2021	<0.01	0.000185	2.42	0.000308	0.000551	0.0003	0.000124	0.399	0.00021	0.00017	2.14	0.0676	<0.00005	<0.00001	1.77	0.00023	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000143
MC-TP4-DC	14-Mar-2021	<0.01	0.000167	2.37	0.000616	0.000561	0.000199	0.000207	0.389	0.0002	0.00018	2.13	0.0655	<0.00005	<0.00001	1.72	0.000212	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000138
MC-TP4-DC	15-Mar-2021	<0.01	0.000174	2.5	0.000469	0.000635	0.000216	0.00013	0.459	0.000356	0.00016	2.18	0.0711	<0.00005	<0.00001	1.72	0.000339	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000152
MC-TP4-DC	16-Mar-2021	<0.01	0.000204	2.59	0.00176	0.000794	0.000289	0.000159	0.573	0.000563	0.0002	2.19	0.0725	<0.00005	<0.00001	1.79	0.000631	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000145
MC-TP4-DC	17-Mar-2021	<0.01	0.000224	2.7	0.0025	0.00094	0.000237	0.000163	0.673	0.00082	0.00029	2.16	0.0772	<0.00005	<0.00001	1.9	0.000896	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000143
MC-TP4-DC	18-Mar-2021	<0.01	0.000287	2.73	0.000624	0.000907	0.000281	0.000128	0.777	0.000959	0.00029	2.28	0.0841	<0.00005	<0.00001	2.18	0.000975	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000151
MC-TP4-DC	19-Mar-2021	<0.01	0.000251	2.49	0.000596	0.000776	0.000463	0.000245	0.738	0.000665	0.00024	2.17	0.0788	<0.00005	<0.00001	2.01	0.000721	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000161
MC-TP4-DC	20-Mar-2021	<0.01	0.000357	2.26	0.00194	0.000637	0.000399	0.000197	0.775	0.000544	0.00015	2.2	0.0784	<0.00005	<0.00001	2	0.000565	<0.00005	<0.000004	<0.00001	0.0002	<0.0002	0.0000162
MC-TP4-DC	21-Mar-2021	<0.01	0.000353	2.1	0.00208	0.000536	0.000262	0.000085	0.702	0.000506	0.00013	2.08	0.0717	<0.00005	<0.00001	1.91	0.000541	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000016
MC-TP4-DC	22-Mar-2021	<0.01	0.000373	2.23	0.0031	0.000539	0.000273	0.000081	0.709	0.000538	0.00018	2.08	0.0724	<0.00005	<0.00001	1.93	0.000568	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000181
MC-TP4-DC	23-Mar-2021	0.012	0.000407	2.47	0.00347	0.000785	0.000253	0.000067	0.831	0.000749	0.00015	2.21	0.0775	<0.00005	<0.00001	2.05	0.000808	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000173
MC-TP4-DC	24-Mar-2021	<0.01	0.000362	2.27	0.0045	0.000833	0.000251	0.000087	0.784	0.000745	0.00018	2.16	0.0719	<0.00005	<0.00001	1.92	0.000726	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000189
MC-TP4-DC	25-Mar-2021	<0.01	0.000418	2.37	0.0035	0.000847	0.00116	0.000123	0.862	0.000705	0.00017	2.06	0.0752	<0.00005	<0.00001	2.12	0.000782	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000181
MC-TP4-DC	26-Mar-2021	<0.01	0.000396	2.28	0.00192	0.00097	0.000623	0.000092	0.833	0.00078	0.00018	2.19	0.0723	<0.00005	<0.00001	2	0.000842	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000172
MC-TP4-DC	27-Mar-2021	<0.01	0.00031	1.97	0.00259	0.00091	0.000311	0.000106	0.743	0.000744	0.00014	2.06	0.0625	<0.00005	<0.00001	1.82	0.00076	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000179
MC-TP4-DC	28-Mar-2021	<0.01	0.000225	1.6	0.00207	0.000638	0.000465	0.000114	0.504	0.000472	0.00019	1.88	0.0497	<0.00005	<0.00001	1.53	0.000467	<0.00005	<0.000004	<0.00001	0.00021	<0.0002	0.0000195
MC-TP4-DC	29-Mar-2021	<0.01	0.000262	1.91	0.00459	0.000597	0.00152	0.00027	0.612	0.000429	0.00015	2.12	0.0593	<0.00005	<0.00001	1.78	0.000464	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000177
MC-TP4-DC	30-Mar-2021	<0.01	0.000302	2.1	0.00408	0.000649	0.000996	0.000163	0.597	0.00042	0.00015	2.17	0.0644	<0.00005	<0.00001	1.81	0.000501	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000184

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MC-TP4-DC	10-Feb-2021	<0.0002	0.0752	<0.00002	-	-	-	-	-
MC-TP4-DC	11-Feb-2021	<0.0002	0.0752	<0.00002	-	-	-	-	-
MC-TP4-DC	12-Feb-2021	<0.0002	0.0742	0.000028	-	-	-	-	-
MC-TP4-DC	13-Feb-2021	<0.0002	0.0746	<0.00002	-	-	-	-	-
MC-TP4-DC	14-Feb-2021	<0.0002	0.0802	<0.00002	-	-	-	-	-
MC-TP4-DC	15-Feb-2021	<0.0002	0.0793	<0.00002	-	-	-	-	-
MC-TP4-DC	16-Feb-2021	<0.0002	0.0801	<0.00002	-	-	-	-	-
MC-TP4-DC	17-Feb-2021	<0.0002	0.0604	<0.00002	-	-	-	-	-
MC-TP4-DC	18-Feb-2021	<0.0002	0.0925	<0.00002	-	-	-	-	-
MC-TP4-DC	19-Feb-2021	<0.0002	0.0816	<0.00002	-	-	-	-	-
MC-TP4-DC	20-Feb-2021	<0.0002	0.0772	<0.00002	-	-	-	-	-
MC-TP4-DC	21-Feb-2021	<0.0002	0.0628	<0.00002	-	-	-	-	-
MC-TP4-DC	22-Feb-2021	<0.0002	0.0622	<0.00002	-	-	-	-	-
MC-TP4-DC	23-Feb-2021	<0.0002	0.069	<0.00002	-	-	-	-	-
MC-TP4-DC	24-Feb-2021	<0.0002	0.0759	<0.00002	-	-	-	-	-
MC-TP4-DC	25-Feb-2021	<0.0002	0.0757	<0.00002	-	-	-	-	-
MC-TP4-DC	26-Feb-2021	<0.0002	0.076	<0.00002	-	-	-	-	-
MC-TP4-DC	27-Feb-2021	<0.0002	0.0777	<0.00002	-	-	-	-	-
MC-TP4-DC	28-Feb-2021	<0.0002	0.0828	<0.00002	-	-	-	-	-
MC-TP4-DC	1-Mar-2021	<0.0002	0.0793	<0.00002	-	-	-	-	-
MC-TP4-DC	2-Mar-2021	<0.0002	0.0834	<0.00002	-	-	-	-	-
MC-TP4-DC	3-Mar-2021	<0.0002	0.0841	<0.00002	-	-	-	-	-
MC-TP4-DC	4-Mar-2021	0.0003	0.0949	<0.00002	-	-	-	-	-
MC-TP4-DC	5-Mar-2021	0.00031	0.0845	<0.00002	-	-	-	-	-
MC-TP4-DC	6-Mar-2021	0.00025	0.0874	<0.00002	-	-	-	-	-
MC-TP4-DC	7-Mar-2021	0.00027	0.0902	<0.00002	-	-	-	-	-
MC-TP4-DC	8-Mar-2021	0.00023	0.0932	<0.00002	-	-	-	-	-
MC-TP4-DC	9-Mar-2021	0.00032	0.0998	<0.00002	-	-	-	-	-
MC-TP4-DC	10-Mar-2021	0.00042	0.101	<0.00002	-	-	-	-	-
MC-TP4-DC	11-Mar-2021	<0.0002	0.0976	<0.00002	-	-	-	-	-
MC-TP4-DC	12-Mar-2021	<0.0002	0.0869	<0.00002	-	-	-	-	-
MC-TP4-DC	13-Mar-2021	<0.0002	0.0842	<0.00002	-	-	-	-	-
MC-TP4-DC	14-Mar-2021	<0.0002	0.0792	<0.00002	-	-	-	-	-
MC-TP4-DC	15-Mar-2021	<0.0002	0.0821	<0.00002	-	-	-	-	-
MC-TP4-DC	16-Mar-2021	<0.0002	0.0902	<0.00002	-	-	-	-	-
MC-TP4-DC	17-Mar-2021	<0.0002	0.0934	<0.00002	-	-	-	-	-
MC-TP4-DC	18-Mar-2021	<0.0002	0.0869	<0.00002	-	-	-	-	-
MC-TP4-DC	19-Mar-2021	<0.0002	0.0919	<0.00002	-	-	-	-	-
MC-TP4-DC	20-Mar-2021	<0.0002	0.0885	<0.00002	-	-	-	-	-
MC-TP4-DC	21-Mar-2021	0.00026	0.0859	<0.00002	-	-	-	-	-
MC-TP4-DC	22-Mar-2021	0.0003	0.0889	<0.00002	-	-	-	-	-
MC-TP4-DC	23-Mar-2021	0.00027	0.0932	<0.00002	-	-	-	-	-
MC-TP4-DC	24-Mar-2021	0.00027	0.0849	<0.00002	-	-	-	-	-
MC-TP4-DC	25-Mar-2021	0.00038	0.0813	<0.00002	-	-	-	-	-
MC-TP4-DC	26-Mar-2021	0.0003	0.083	<0.00002	-	-	-	-	-
MC-TP4-DC	27-Mar-2021	0.00042	0.0719	<0.00002	-	-	-	-	-
MC-TP4-DC	28-Mar-2021	0.00037	0.0668	<0.00002	-	-	-	-	-
MC-TP4-DC	29-Mar-2021	0.00047	0.0817	<0.00002	-	-	-	-	-
MC-TP4-DC	30-Mar-2021	0.00041	0.0882	<0.00002	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21D0885	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	31-Mar-2021	-	-	-	-	-	-	-	-	-	-
21D0885	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	1-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D0885	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	2-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D0885	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	3-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D0885	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	4-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D0885	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	5-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D1888	1	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	6-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D1888	2	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	7-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D1888	3	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	8-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D1888	4	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	9-Apr-2021	-	-	70.9	-	-	-	-	-	-	-
21D1888	5	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	10-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D1888	6	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	11-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D1888	7	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	12-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D2614	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	13-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D1888	8	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	13-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D2614	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	14-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D1888	9	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	14-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D2614	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	15-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D2614	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	16-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D2614	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	17-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D2614	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	18-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D2614	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	19-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D2614	8	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	20-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D2614	9	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	21-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0543	1	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	22-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0543	2	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	23-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0543	3	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	24-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0543	4	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	25-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0543	5	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	26-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0543	6	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	27-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0543	7	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	28-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0543	8	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	29-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0543	9	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	30-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0543	10	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	1-May-2021	-	-	-	-	-	-	-	-	-	-
21E0543	11	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	2-May-2021	-	-	-	-	-	-	-	-	-	-
21E0543	12	No	Regular	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	3-May-2021	-	-	-	-	-	-	-	-	-	-
21E2379	1	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	4-May-2021	-	-	-	-	-	-	-	-	-	-
21E2379	2	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	5-May-2021	-	-	-	-	-	-	-	-	-	-
21E2379	3	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	6-May-2021	-	-	-	-	-	-	-	-	-	-
21E2379	4	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	7-May-2021	-	-	-	-	-	-	-	-	-	-
21E2379	5	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	8-May-2021	-	-	-	-	-	-	-	-	-	-
21E2379	6	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	9-May-2021	-	-	-	-	-	-	-	-	-	-
21E2379	7	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	10-May-2021	-	-	-	-	-	-	-	-	-	-
21E2379	8	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	11-May-2021	-	-	-	-	-	-	-	-	-	-
21E2379	9	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	12-May-2021	-	-	-	-	-	-	-	-	-	-
21E2379	10	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	13-May-2021	-	-	-	-	-	-	-	-	-	-
21E2379	11	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	14-May-2021	-	-	-	-	-	-	-	-	-	-
21E2379	12	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	15-May-2021	-	-	-	-	-	-	-	-	-	-
21E2379	13	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	16-May-2021	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MC-TP4-DC	31-Mar-2021	<0.00001	<0.00001	0.000237	22.6	0.00012	0.0000249	0.003	0.0139	<0.01	0.000239	1.92	0.00493	0.00095	0.000339	0.000189	0.512	0.00017	0.000054	1.96	<0.00001	1.61	0.0601
MC-TP4-DC	1-Apr-2021	<0.00001	<0.00001	0.000229	23.8	0.00012	0.0000275	0.00243	0.0177	<0.01	0.000272	2.01	0.00436	0.0007	0.000216	0.000287	0.478	0.00018	<0.00005	1.9	<0.00001	1.65	0.0647
MC-TP4-DC	2-Apr-2021	<0.00001	<0.00001	0.000249	25.3	0.00011	0.0000272	0.00258	0.0114	<0.01	0.000301	2.25	0.00582	0.000799	0.000227	0.000206	0.518	0.00017	<0.00005	1.91	<0.00001	1.77	0.0716
MC-TP4-DC	3-Apr-2021	<0.00001	<0.00001	0.000247	24	0.00016	0.0000372	0.00296	0.0345	<0.01	0.000248	2.07	0.00584	0.000831	0.000297	0.000293	0.511	0.00017	0.000052	1.97	<0.00001	1.69	0.0665
MC-TP4-DC	4-Apr-2021	<0.00001	<0.00001	0.000216	21.6	0.00011	0.0000325	0.00266	0.0177	<0.01	0.000219	1.82	0.00633	0.000796	0.000187	0.000231	0.479	0.00016	<0.00005	1.86	<0.00001	1.56	0.0589
MC-TP4-DC	5-Apr-2021	<0.00001	<0.00001	0.00023	23.6	0.00012	0.0000332	0.0028	0.0186	<0.01	0.000258	1.94	0.00655	0.000917	0.000245	0.00032	0.612	0.00019	<0.00005	1.88	<0.00001	1.74	0.0655
MC-TP4-DC	6-Apr-2021	<0.00001	<0.00001	0.000223	24.2	<0.0001	0.0000167	0.00377	0.0039	<0.01	0.000279	2.06	0.00152	0.00102	0.000221	0.000095	0.726	0.00018	<0.00005	2.11	<0.00001	2.02	0.0636
MC-TP4-DC	7-Apr-2021	<0.00001	<0.00001	0.000216	23.8	0.00015	0.0000175	0.00218	0.0054	<0.01	0.000277	2.02	0.00243	0.000989	0.000206	0.000175	0.751	0.0002	<0.00005	1.94	<0.00001	1.96	0.0615
MC-TP4-DC	8-Apr-2021	<0.00001	<0.00001	0.000205	24.2	<0.0001	0.0000228	0.00226	0.0058	<0.01	0.0003	2.21	0.00439	0.00101	0.000183	0.000283	0.716	0.00019	<0.00005	2.1	<0.00001	2.01	0.0627
MC-TP4-DC	9-Apr-2021	<0.0001	<0.0001	0.000192	24.7	<0.0005	<0.0001	0.00302	<0.01	<0.05	0.00034	2.39	0.00516	0.00084	<0.0004	0.00022	0.68	<0.0005	<0.0002	2.1	<0.00005	2.05	0.0646
MC-TP4-DC	10-Apr-2021	<0.00001	<0.00001	0.000219	25.8	<0.0001	0.0000168	0.00244	0.0051	<0.01	0.000356	2.52	0.00249	0.000864	0.000175	0.000164	0.704	0.00019	<0.00005	2.05	<0.00001	2.19	0.0683
MC-TP4-DC	11-Apr-2021	<0.00001	<0.00001	0.000238	28.1	<0.0001	0.0000182	0.00307	0.0057	<0.01	0.000424	2.71	0.00252	0.00098	0.000259	0.000248	0.899	0.00023	<0.00005	2.19	<0.00001	2.48	0.0775
MC-TP4-DC	12-Apr-2021	<0.00001	<0.00001	0.000256	28	<0.0001	0.0000266	0.00239	0.0065	<0.01	0.000427	2.6	0.00482	0.00122	0.000212	0.000215	1.04	0.00023	<0.00005	2.22	<0.00001	2.49	0.0764
MC-TP4-DC	13-Apr-2021	<0.00001	<0.00001	0.000246	23.5	0.00011	0.0000202	0.00191	0.0049	<0.01	0.000286	2.21	0.00397	0.00128	0.000178	0.000101	0.958	0.00023	<0.00005	1.7	<0.00001	2.14	0.0692
MC-TP4-DC	13-Apr-2021	<0.00001	<0.00001	0.000223	26.1	<0.0001	0.0000261	0.00228	0.0054	<0.01	0.000359	2.37	0.0044	0.00128	0.000183	0.000148	1.03	0.00022	<0.00005	2.02	<0.00001	2.33	0.0712
MC-TP4-DC	14-Apr-2021	<0.00001	<0.00001	0.000229	20.7	0.00011	0.0000203	0.00176	0.0069	<0.01	0.000217	1.87	0.00271	0.00105	0.000732	0.000106	0.697	0.00023	<0.00005	1.73	<0.00001	1.82	0.0561
MC-TP4-DC	14-Apr-2021	<0.00001	<0.00001	0.000196	21.6	<0.0001	0.0000179	0.00198	0.0077	<0.01	0.000273	1.95	0.00325	0.000959	0.000188	0.000143	0.738	0.00019	<0.00005	1.9	<0.00001	1.91	0.0556
MC-TP4-DC	15-Apr-2021	<0.00001	<0.00001	0.000187	17.9	0.00013	0.0000139	0.00303	0.0094	<0.01	0.000195	1.71	0.0013	0.000846	0.000159	0.000312	0.584	0.00016	<0.00005	1.54	<0.00001	1.66	0.0522
MC-TP4-DC	16-Apr-2021	<0.00001	<0.00001	0.000161	14.4	<0.0001	0.0000156	0.00343	0.0118	<0.01	0.000128	1.35	0.00109	0.000649	0.00032	0.000187	0.405	0.00013	<0.00005	1.5	<0.00001	1.36	0.0389
MC-TP4-DC	17-Apr-2021	<0.00001	<0.00001	0.000137	12.1	0.00011	0.0000129	0.00352	0.0123	<0.01	0.000101	1.11	0.000814	0.000498	0.000143	0.000236	0.303	0.00013	<0.00005	1.37	<0.00001	1.15	0.0318
MC-TP4-DC	18-Apr-2021	<0.00001	<0.00001	0.000151	13.6	<0.0001	0.0000111	0.00378	0.0093	<0.01	0.000092	1.19	0.000486	0.000509	0.00014	0.000209	0.288	0.00015	<0.00005	1.37	<0.00001	1.13	0.0331
MC-TP4-DC	19-Apr-2021	<0.00001	<0.00001	0.000192	15.2	0.0001	0.0000123	0.00263	0.0145	<0.01	0.000096	1.4	0.000794	0.000529	0.000157	0.000312	0.321	0.00015	<0.00005	1.66	<0.00001	1.22	0.0369
MC-TP4-DC	20-Apr-2021	<0.00001	<0.00001	0.000181	14.9	<0.0001	0.0000125	0.00257	0.0132	<0.01	0.000087	1.38	0.00105	0.000503	0.000215	0.000188	0.308	0.00013	<0.00005	1.44	<0.00001	1.18	0.0352
MC-TP4-DC	21-Apr-2021	<0.00001	<0.00001	0.000184	16.5	0.00014	0.0000189	0.00227	0.0182	<0.01	0.000092	1.49	0.00185	0.000543	0.000155	0.00027	0.319	0.00013	<0.00005	1.59	<0.00001	1.24	0.0383
MC-TP4-DC	22-Apr-2021	<0.00001	<0.00001	0.000182	19.9	0.00018	0.000009	0.00262	0.0058	<0.01	0.00012	1.59	0.000221	0.000608	0.000169	0.000073	0.362	0.00014	<0.00005	1.88	<0.00001	1.09	0.0424
MC-TP4-DC	23-Apr-2021	<0.00001	<0.00001	0.000206	21.4	0.00012	0.0000105	0.00192	0.0048	<0.01	0.000126	1.7	0.000346	0.000662	0.00019	0.000134	0.4	0.00015	<0.00005	1.98	<0.00001	1.15	0.0446
MC-TP4-DC	24-Apr-2021	<0.00001	<0.00001	0.000191	21.2	<0.0001	0.0000097	0.00218	0.0039	<0.01	0.000119	1.74	0.000375	0.000634	0.000227	0.000097	0.413	0.00014	<0.00005	2.11	<0.00001	1.15	0.0455
MC-TP4-DC	25-Apr-2021	<0.00001	<0.00001	0.000172	22	0.00011	0.0000083	0.00202	0.0039	<0.01	0.000123	1.76	0.000422	0.000948	0.00018	0.000076	0.401	0.00013	<0.00005	2.15	<0.00001	1.18	0.0463
MC-TP4-DC	26-Apr-2021	<0.00001	<0.00001	0.000189	21.8	0.00011	0.0000106	0.00275	0.0056	<0.01	0.000125	1.76	0.000815	0.00112	0.000166	0.000084	0.408	0.00014	<0.00005	2.13	<0.00001	1.19	0.0466
MC-TP4-DC	27-Apr-2021	<0.00001	<0.00001	0.000225	22.4	0.00011	0.0000093	0.00179	0.0034	<0.01	0.000117	1.81	0.000843	0.000653	0.000169	0.000116	0.405	0.00014	<0.00005	2.16	<0.00001	1.22	0.0477
MC-TP4-DC	28-Apr-2021	<0.00001	<0.00001	0.000235	22.4	0.00015	0.000011	0.00267	0.0038	<0.01	0.000117	1.8	0.000323	0.000701	0.00015	0.000125	0.423	0.00016	<0.00005	2.07	<0.00001	1.24	0.0477
MC-TP4-DC	29-Apr-2021	<0.00001	<0.00001	0.00021	20.6	0.0001	0.0000113	0.00216	0.0061	<0.01	0.000119	1.66	0.00066	0.000628	0.00048	0.000109	0.392	0.00013	<0.00005	1.96	<0.00001	1.13	0.0436
MC-TP4-DC	30-Apr-2021	<0.00001	<0.00001	0.000208	20.2	0.00011	0.0000112	0.00244	0.005	<0.01	0.000117	1.61	0.000755	0.000556	0.000171	0.000175	0.358	0.00015	<0.00005	1.98	<0.00001	1.06	0.0416
MC-TP4-DC	1-May-2021	<0.00001	<0.00001	0.000219	21.1	0.00014	0.0000117	0.00283	0.0052	<0.01	0.000113	1.71	0.000635	0.00123	0.000158	0.000093	0.352	0.00016	<0.00005	2.07	<0.00001	1.07	0.0439
MC-TP4-DC	2-May-2021	<0.00001	<0.00001	0.000235	21.6	0.00016	0.0000147	0.00224	0.0168	<0.01	0.000115	1.81	0.000785	0.00059	0.000304	0.000131	0.368	0.00017	0.000243	2.2	<0.00001	1.14	0.0466
MC-TP4-DC	3-May-2021	<0.00001	<0.00001	0.000241	22.5	0.00011	0.0000111	0.00239	0.0072	<0.01	0.000119	1.78	0.000806	0.000579	0.000242	0.000094	0.363	0.00016	<0.00005	2.15	<0.00001	1.15	0.0466
MC-TP4-DC	4-May-2021	<0.0001	<0.0001	0.000219	21.2	<0.0005	<0.0001	0.00094	<0.01	<0.05	0.00014	1.84	<0.0002	0.00059	<0.0004	<0.0002	0.4	<0.0005	<0.0002	1.9	<0.00005	1.47	0.0464
MC-TP4-DC	5-May-2021	<0.0001	<0.0001	0.000241	21.4	<0.0005	<0.0001	0.00106	<0.01	<0.05	0.00014	1.87	<0.0002	0.00073	<0.0004	<0.0002	0.4	<0.0005	<0.0002	1.7	<0.00005	1.47	0.0464
MC-TP4-DC	6-May-2021	<0.0001	<0.0001	0.000229	20.3	<0.0005	<0.0001	0.00121	<0.01	<0.05	0.00014	1.76	0.00023	0.00063	<0.0004	<0.0002	0.36	<0.0005	<0.0002	1.7	<0.00005	1.33	0.0437
MC-TP4-DC	7-May-2021	<0.0001	<0.0001	0.000221	19.7	<0.0005	<0.0001	0.00107	<0.01	<0.05	0.00017	1.71	0.00034	0.00057	<0.0004	<0.0002	0.34	<0.0005	<0.0002	1.7	<0.00005	1.25	0.0429
MC-TP4-DC	8-May-2021	<0.0001	<0.0001	0.000228	21.2	<0.0005	<0.0001	0.00078	<0.01	<0.05	0.00013	1.83	0.00042	0.00069	<0.0004	<0.0002	0.36	<0.0005	<0.0002	1.7	<0.00005	1.35	0.0457
MC-TP4-DC	9-May-2021	<0.0001	<0.0001	0.000236	22	<0.0005	<0.0001	0.00078	<0.01	<0.05	0.00013	1.89	0.0005	0.0006	<0.0004	<0.0002	0.38	<0.0005	0.00091	2.1	<0.00005	1.4	0.0478
MC-TP4-DC	10-May-2021	<0.0001	<0.0001	0.000268	21.6	<0.0005	<0.0001	0.00139	<0.01	<0.05	0.00014	1.84	0.00044	0.00065	0.00054	0.00024	0.38	<0.0005	0.00029	1.7	<0.00005	1.37	0.047
MC-TP4-DC	11-May-2021	<0.0001	<0.0001	0.000263	21.2	<0.0005	<0.0001	0.00182	<0.01	<0.05	0.00019	1.79	0.00053	0.00069	0.00067	0.001	0.49	<0.0005	0.00067	1.8	<0.00005	1.46	0.0466
MC-TP4-DC	12-May-2021	<0.0001	<0.0001	0.000194	19.3	<0.0005	<0.0001	0.00223	<0.01	<0.05	0.00013	1.63	<0.0002	0.00061	<0.0004	<0.0002	0.36	<0.0005	<0.0002	1.7	<0.00005	1.27	0.0405
MC-TP4-DC	13-May-2021	<0.0001	<0.0001	0.000215	19.3	<0.0005	<0.0001	0.00372	<0.01	<0.05	0.00015	1.69	0.00025	0.00054	<0.0004	0.0003	0.36	<0.0005	<0.0002	1.9	<0.00005	1.29	0.0413
MC-TP4-DC	14-May-2021	<0.0001	<0.0001	0.000195	18.9	<0.0005	<0.0001	0.00345	<0.01	<0.05	0.00013	1.6	0.00034	0.00053	<0.0004	0.00032	0.3	<0.0005	<0.0002	2.1	<0.00005	1.2	0.0395
MC-TP4-DC	15-May-2021	<0.0001	<0.0001	0.000219	18.7	<0.0005	<0.0001	0.00197	<0.01	<0.05	0.0001	1.57	0.00028	0.00056	<0.0004	<0.0002	0.31	<0.0005	<0.0002	1.7	<0.00005	1.19	0.0388
MC-TP4-DC	16-May-2021	<0.0001	<0.0001	0.000206	18	<0.0005	<0.0001	0.00397	<0.01	<0.05	0.00012	1.5	0.00047	0.00054	<0.0004	0.00064	0.29	<0.0005	<0.0002	1.4	<0.00005	1.15	0.0371

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MC-TP4-DC	31-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0295	13.9	0.00012	0.0057	0.0175
MC-TP4-DC	1-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.033	15.1	0.000107	0.0057	0.0179
MC-TP4-DC	2-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0282	17.3	0.000113	0.0061	0.0186
MC-TP4-DC	3-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.042	15.1	0.000132	0.0057	0.0183
MC-TP4-DC	4-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0327	13.7	0.000128	0.0054	0.0172
MC-TP4-DC	5-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0355	15.6	0.000128	0.006	0.0183
MC-TP4-DC	6-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0244	15.2	0.000126	0.0487	0.0175
MC-TP4-DC	7-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0278	15	0.0001	0.0273	0.018
MC-TP4-DC	8-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0313	16.1	0.000137	0.0179	0.0196
MC-TP4-DC	9-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0302	15.7	<0.0005	<0.05	0.0181
MC-TP4-DC	10-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0226	16.9	0.000103	0.0156	0.0184
MC-TP4-DC	11-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0243	20.3	0.000122	0.0144	0.0195
MC-TP4-DC	12-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0269	20.4	0.000125	0.0144	0.0207
MC-TP4-DC	13-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0248	17.6	0.000133	0.0075	0.02
MC-TP4-DC	13-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.028	18.2	0.000101	0.013	0.019
MC-TP4-DC	14-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.022	13.7	0.000111	0.0067	0.0192
MC-TP4-DC	14-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0238	13.2	0.000108	0.0134	0.0178
MC-TP4-DC	15-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0297	12	0.000115	0.0157	0.0207
MC-TP4-DC	16-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0353	8.9	0.000107	0.0121	0.0176
MC-TP4-DC	17-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0351	7	0.00009	0.0096	0.016
MC-TP4-DC	18-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0282	7.4	0.000103	0.0084	0.017
MC-TP4-DC	19-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0272	8.5	0.000084	0.0076	0.0192
MC-TP4-DC	20-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0259	7.6	0.000091	0.0064	0.0179
MC-TP4-DC	21-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0257	8.5	0.000075	0.0057	0.0197
MC-TP4-DC	22-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0294	9.6	0.000091	0.0031	0.0199
MC-TP4-DC	23-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0237	10.6	0.000106	0.0036	0.0213
MC-TP4-DC	24-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0319	10.6	0.000096	0.0033	0.0211
MC-TP4-DC	25-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.027	10.8	0.000121	0.0034	0.0217
MC-TP4-DC	26-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0257	10.7	0.00011	0.0034	0.022
MC-TP4-DC	27-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0179	11.2	0.000093	0.0033	0.0227
MC-TP4-DC	28-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0168	11.1	0.000081	0.0033	0.0221
MC-TP4-DC	29-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0231	9.3	0.00012	0.0029	0.0208
MC-TP4-DC	30-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0273	9.5	0.000092	0.0027	0.0214
MC-TP4-DC	1-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0201	9.1	0.000094	0.0025	0.0212
MC-TP4-DC	2-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0237	10	0.000088	0.0027	0.0229
MC-TP4-DC	3-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.017	9.9	0.000079	0.0029	0.0218
MC-TP4-DC	4-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0256	10	<0.0005	<0.05	0.0217
MC-TP4-DC	5-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0207	10.5	<0.0005	<0.05	0.0237
MC-TP4-DC	6-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0276	8.6	<0.0005	<0.05	0.0202
MC-TP4-DC	7-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0231	9.1	<0.0005	<0.05	0.0211
MC-TP4-DC	8-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0184	9.4	<0.0005	<0.05	0.0226
MC-TP4-DC	9-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0147	9.9	<0.0005	<0.05	0.0242
MC-TP4-DC	10-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0181	9.9	<0.0005	<0.05	0.0254
MC-TP4-DC	11-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0183	9.2	<0.0005	<0.05	0.0237
MC-TP4-DC	12-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0263	7.9	<0.0005	<0.05	0.0205
MC-TP4-DC	13-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0278	9	<0.0005	<0.05	0.024
MC-TP4-DC	14-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0227	8.9	<0.0005	<0.05	0.0277
MC-TP4-DC	15-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0202	7.7	<0.0005	<0.05	0.019
MC-TP4-DC	16-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0236	7.3	<0.0005	<0.05	0.0187

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MC-TP4-DC	31-Mar-2021	<0.00005	<0.000004	<0.00001	0.00023	<0.0002	0.0000188	<0.0002	0.0895	<0.00002	-	0.0239	15.8	0.000086	0.0047	<0.00001	<0.00001	0.0174	0.000226	23.6	0.00013	0.0000187	0.00285	0.0022
MC-TP4-DC	1-Apr-2021	<0.00005	<0.000004	<0.00001	0.0003	<0.0002	0.0000192	<0.0002	0.0926	<0.00002	-	0.0227	15.6	0.000086	0.0049	<0.00001	<0.00001	0.0176	0.000228	23.6	<0.0001	0.0000142	0.00197	<0.002
MC-TP4-DC	2-Apr-2021	<0.00005	<0.000004	<0.00001	0.00024	<0.0002	0.0000181	<0.0002	0.102	<0.00002	-	0.0225	17.5	0.000103	0.006	<0.00001	<0.00001	0.0177	0.000255	25	<0.0001	0.00002	0.00213	0.002
MC-TP4-DC	3-Apr-2021	<0.00005	<0.000004	<0.00001	0.0009	<0.0002	0.0000211	<0.0002	0.0894	0.000102	-	0.0212	14.8	0.000129	0.0058	<0.00001	<0.00001	0.0174	0.000232	23.3	<0.0001	0.0000138	0.00206	0.0028
MC-TP4-DC	4-Apr-2021	<0.00005	<0.000004	<0.00001	0.00038	<0.0002	0.000018	<0.0002	0.0877	<0.00002	-	0.0201	13.9	0.000108	0.0054	<0.00001	<0.00001	0.0166	0.000204	21.5	0.00011	0.0000237	0.00227	0.0023
MC-TP4-DC	5-Apr-2021	<0.00005	<0.000004	<0.00001	0.00045	<0.0002	0.0000192	<0.0002	0.1	<0.00002	-	0.0241	15.3	0.000107	0.0059	<0.00001	<0.00001	0.0173	0.000227	22.8	0.0001	0.0000185	0.00237	0.0022
MC-TP4-DC	6-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000179	<0.0002	0.0746	<0.00002	-	0.0239	17.7	0.000106	0.0212	<0.00001	<0.00001	0.0172	0.000206	24.9	0.00011	0.0000153	0.0036	0.0028
MC-TP4-DC	7-Apr-2021	<0.00005	<0.000004	<0.00001	0.00025	<0.0002	0.0000175	<0.0002	0.0688	<0.00002	-	0.026	15.6	0.000104	0.0116	<0.00001	<0.00001	0.0171	0.00021	23.7	0.00011	0.0000146	0.00218	0.0036
MC-TP4-DC	8-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000157	<0.0002	0.0715	<0.00002	-	0.0278	16.4	0.000108	0.0103	<0.00001	<0.00001	0.0184	0.000197	23.7	0.00012	0.0000151	0.00203	0.0032
MC-TP4-DC	9-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0814	<0.0001	-	0.0241	16	<0.0005	<0.05	<0.0001	<0.0001	0.0177	0.00021	24.9	<0.0005	<0.0001	0.00294	<0.01
MC-TP4-DC	10-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000178	<0.0002	0.078	<0.00002	-	0.0211	17.9	0.00009	0.0099	<0.00001	<0.00001	0.0175	0.000216	24.9	<0.0001	0.0000118	0.00215	0.0022
MC-TP4-DC	11-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000183	<0.0002	0.0829	<0.00002	-	0.0216	21	0.000117	0.0105	<0.00001	<0.00001	0.0189	0.000222	27.7	0.00013	0.0000185	0.00254	0.0025
MC-TP4-DC	12-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000172	<0.0002	0.0866	<0.00002	-	0.0238	20.3	0.000091	0.0106	<0.00001	<0.00001	0.0198	0.000246	27.7	<0.0001	0.0000195	0.00208	0.0024
MC-TP4-DC	13-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000167	0.00036	0.0817	<0.00002	-	0.0221	18.9	0.000108	0.0079	<0.00001	<0.00001	0.0207	0.000232	24.3	0.00017	0.0000295	0.00248	0.0041
MC-TP4-DC	13-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000163	<0.0002	0.0816	<0.00002	-	0.0247	18.7	0.000082	0.0103	<0.00001	<0.00001	0.0188	0.000227	26.6	0.00014	0.0000225	0.00197	0.003
MC-TP4-DC	14-Apr-2021	<0.00005	<0.000004	<0.00001	0.0003	<0.0002	0.0000189	0.00035	0.0769	<0.00002	-	0.0191	13.7	0.000116	0.0065	<0.00001	<0.00001	0.0192	0.000209	20	0.00012	0.0000239	0.00202	0.005
MC-TP4-DC	14-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000168	<0.0002	0.0694	<0.00002	-	0.0221	14.6	0.000103	0.0084	<0.00001	<0.00001	0.0173	0.000198	22.2	0.00012	0.0000179	0.00183	0.0029
MC-TP4-DC	15-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000182	<0.0002	0.0607	<0.00002	-	0.0293	13.4	0.000096	0.0061	<0.00001	<0.00001	0.0186	0.00017	19.2	0.00015	0.0000146	0.00249	0.0039
MC-TP4-DC	16-Apr-2021	<0.00005	<0.000004	<0.00001	0.00028	<0.0002	0.0000186	<0.0002	0.052	<0.00002	-	0.031	8.79	0.000085	0.0044	<0.00001	<0.00001	0.0156	0.000138	14.3	0.00013	0.0000134	0.0026	0.0054
MC-TP4-DC	17-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000165	0.00021	0.0454	<0.00002	-	0.0314	7.48	0.000093	0.0038	<0.00001	<0.00001	0.0146	0.000129	12.8	0.0001	0.0000096	0.0029	0.006
MC-TP4-DC	18-Apr-2021	<0.00005	<0.000004	<0.00001	0.00038	<0.0002	0.0000138	<0.0002	0.0506	<0.00002	-	0.0263	7.87	0.000071	0.0036	<0.00001	<0.00001	0.0154	0.000141	14.2	<0.0001	0.0000128	0.00326	0.0041
MC-TP4-DC	19-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000123	0.00021	0.059	<0.00002	-	0.0218	8.54	0.000061	0.0036	<0.00001	<0.00001	0.017	0.000172	15.8	<0.0001	0.0000113	0.00208	0.0047
MC-TP4-DC	20-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000112	0.00024	0.0541	<0.00002	-	0.0198	8.83	0.000061	0.0034	<0.00001	<0.00001	0.0172	0.000188	15.9	0.00012	0.0000111	0.00187	0.0037
MC-TP4-DC	21-Apr-2021	<0.00005	<0.000004	<0.00001	0.00029	<0.0002	0.0000106	0.00026	0.0603	<0.00002	-	0.0178	8.92	0.000064	0.0034	<0.00001	<0.00001	0.0176	0.000181	16.6	0.00015	0.000015	0.00174	0.0045
MC-TP4-DC	22-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000138	<0.0002	0.0609	<0.00002	-	0.0286	8.85	0.000094	0.0063	<0.00001	<0.00001	0.0188	0.000195	18.3	0.00011	0.0000168	0.00941	0.005
MC-TP4-DC	23-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000123	<0.0002	0.0659	<0.00002	-	0.0192	8.91	0.000082	0.0039	<0.00001	<0.00001	0.0184	0.000183	18.9	<0.0001	0.0000113	0.00353	0.0034
MC-TP4-DC	24-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000144	<0.0002	0.0628	<0.00002	-	0.0258	9.42	0.000078	0.0039	<0.00001	<0.00001	0.0192	0.000183	19.7	0.00018	0.0000149	0.00286	0.0029
MC-TP4-DC	25-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000174	<0.0002	0.0552	<0.00002	-	0.0233	9.37	0.000098	0.0037	<0.00001	<0.00001	0.0194	0.000165	19.5	<0.0001	0.0000099	0.00226	0.0035
MC-TP4-DC	26-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000149	<0.0002	0.0623	<0.00002	-	0.0227	9.12	0.000091	0.0038	<0.00001	<0.00001	0.0192	0.00017	20.6	<0.0001	0.000015	0.00268	0.003
MC-TP4-DC	27-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000115	<0.0002	0.0732	<0.00002	-	0.0158	9.74	0.000067	0.0037	<0.00001	<0.00001	0.0204	0.000208	20.9	0.00013	0.0000131	0.00208	<0.002
MC-TP4-DC	28-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000119	<0.0002	0.0765	<0.00002	-	0.0157	10.2	0.000074	0.0037	<0.00001	<0.00001	0.0205	0.000202	20.7	<0.0001	0.0000123	0.00285	0.0028
MC-TP4-DC	29-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000012	<0.0002	0.0724	<0.00002	-	0.0194	9.01	0.000072	0.0035	<0.00001	<0.00001	0.019	0.000192	19.5	0.00015	0.0000122	0.00225	<0.002
MC-TP4-DC	30-Apr-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000101	<0.0002	0.0718	0.000104	-	0.0229	8.64	0.00008	0.0032	<0.00001	<0.00001	0.0196	0.000193	18.7	0.0001	0.0000149	0.00255	0.0028
MC-TP4-DC	1-May-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000093	<0.0002	0.0783	<0.00002	-	0.0162	8.35	0.000079	0.0031	<0.00001	<0.00001	0.0192	0.000207	19.7	0.0001	0.0000138	0.00279	0.0025
MC-TP4-DC	2-May-2021	<0.00005	<0.000004	<0.00001	0.00071	<0.0002	0.0000119	<0.0002	0.0815	<0.00002	-	0.0141	8.57	0.000075	0.0033	<0.00001	<0.00001	0.0201	0.000208	21.1	0.00012	0.0000163	0.00241	<0.002
MC-TP4-DC	3-May-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000012	<0.0002	0.0792	<0.00002	-	0.0121	9.31	0.000077	0.0033	<0.00001	<0.00001	0.0201	0.000217	20.6	0.00013	0.000015	0.00244	0.0053
MC-TP4-DC	4-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0707	<0.0001	-	0.0296	9.4	<0.0005	<0.05	<0.0001	<0.0001	0.0215	0.000181	20.7	<0.0005	<0.0001	0.00198	<0.01
MC-TP4-DC	5-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0784	<0.0001	-	0.0176	10.4	<0.0005	<0.05	<0.0001	<0.0001	0.0219	0.000218	20.9	<0.0005	<0.0001	0.00177	<0.01
MC-TP4-DC	6-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0757	<0.0001	-	0.0252	8.6	<0.0005	<0.05	<0.0001	<0.0001	0.0203	0.000224	19.7	<0.0005	<0.0001	0.0019	<0.01
MC-TP4-DC	7-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0715	<0.0001	-	0.021	8.5	<0.0005	<0.05	<0.0001	<0.0001	0.0224	0.000224	19.9	<0.0005	<0.0001	0.0018	<0.01
MC-TP4-DC	8-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0782	<0.0001	-	0.0167	8.7	<0.0005	<0.05	<0.0001	<0.0001	0.0202	0.000222	20.8	<0.0005	<0.0001	0.00155	<0.01
MC-TP4-DC	9-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0808	<0.0001	-	0.0193	9.6	<0.0005	<0.05	<0.0001	<0.0001	0.0235	0.000249	21.6	<0.0005	<0.0001	0.00156	0.022
MC-TP4-DC	10-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0868	<0.0001	-	0.0136	9.4	<0.0005	<0.05	<0.0001	<0.0001	0.0229	0.000226	20.3	<0.0005	<0.0001	0.00204	<0.01
MC-TP4-DC	11-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.109	<0.0001	-	0.0143	8.1	<0.0005	<0.05	<0.0001	<0.0001	0.0203	0.000267	18.7	<0.0005	<0.0001	0.00207	0.018
MC-TP4-DC	12-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0602	<0.0001	-	0.0272	7.3	<0.0005	<0.05	<0.0001	<0.0001	0.019	0.000171	18.4	<0.0005	<0.0001	0.00293	<0.01
MC-TP4-DC	13-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.07	<0.0001	-	0.0279	7.8	<0.0005	<0.05	<0.0001	<0.0001	0.02	0.0002	18.5	<0.0005	<0.0001	0.00412	<0.01
MC-TP4-DC	14-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0674	<0.0001	-	0.0193	7.8	<0.0005	<0.05	<0.0001	<0.0001	0.0218	0.000191	18.2	<0.0005	<0.0001	0.00396	<0.01
MC-TP4-DC	15-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0707	<0.0001	-	0.14	88.4	0.00059	<0.05	<0.0001	<0.0001	0.0394	0.000357	88.9	<0.0005	<0.0001	0.00692	<0.01
MC-TP4-DC	16-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0757	<0.0001	-	0.0184	5.7	<0.0005	<0.05	<0.0001	<0.0001	0.0184	0.000206	17.8	<0.0005	<0.0001	0.00343	<0.01

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MC-TP4-DC	31-Mar-2021	0.015	0.000275	2.01	0.00369	0.00102	0.000307	0.000068	0.562	0.000471	0.00022	1.81	0.0643	<0.00005	<0.00001	1.8	0.000479	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000168
MC-TP4-DC	1-Apr-2021	<0.01	0.000281	2.02	0.00191	0.000732	0.000317	0.000062	0.488	0.0004	0.00015	1.88	0.0645	<0.00005	<0.00001	1.69	0.00039	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000184
MC-TP4-DC	2-Apr-2021	<0.01	0.0003	2.31	0.00455	0.0008	0.00019	0.000064	0.524	0.000467	0.00014	1.99	0.0708	<0.00005	<0.00001	1.84	0.000442	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000178
MC-TP4-DC	3-Apr-2021	<0.01	0.00025	2.06	0.00337	0.000824	0.000237	0.000112	0.507	0.000483	0.00014	1.87	0.0645	<0.00005	<0.00001	1.69	0.00048	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000183
MC-TP4-DC	4-Apr-2021	<0.01	0.000231	1.81	0.00499	0.000778	0.00017	0.000072	0.479	0.000467	0.00017	1.84	0.0589	<0.00005	<0.00001	1.57	0.000455	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000168
MC-TP4-DC	5-Apr-2021	<0.01	0.000273	1.95	0.00497	0.000932	0.000164	0.000085	0.604	0.000608	0.0002	1.96	0.0654	<0.00005	<0.00001	1.78	0.00057	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000163
MC-TP4-DC	6-Apr-2021	<0.01	0.000344	2.08	0.000998	0.00113	0.000355	0.000101	0.83	0.000686	0.00016	2.1	0.0674	<0.00005	<0.00001	2.09	0.000747	0.000054	<0.000004	<0.00001	<0.0002	<0.0002	0.0000183
MC-TP4-DC	7-Apr-2021	<0.01	0.000303	1.93	0.00138	0.00097	0.000457	0.000161	0.759	0.000718	0.00016	2.02	0.062	<0.00005	<0.00001	1.92	0.000716	<0.00005	<0.000004	<0.00001	0.00028	<0.0002	0.0000174
MC-TP4-DC	8-Apr-2021	<0.01	0.000308	2.1	0.00292	0.000908	0.000251	0.000124	0.692	0.000683	0.00017	2.04	0.062	<0.00005	<0.00001	1.9	0.000638	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000138
MC-TP4-DC	9-Apr-2021	<0.05	0.00033	2.1	0.00462	0.00078	<0.0004	<0.0002	0.64	0.00065	<0.0005	1.9	0.063	<0.0002	<0.00005	1.86	0.00055	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	10-Apr-2021	<0.01	0.000356	2.39	0.000392	0.000851	0.000241	0.00006	0.688	0.000544	0.00023	2.13	0.0677	<0.00005	<0.00001	2.07	0.000505	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000177
MC-TP4-DC	11-Apr-2021	<0.01	0.000443	2.59	0.000925	0.000987	0.000374	0.000104	0.882	0.000685	0.00018	2.2	0.0763	<0.00005	<0.00001	2.45	0.000639	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000165
MC-TP4-DC	12-Apr-2021	<0.01	0.000424	2.52	0.0036	0.00121	0.000335	0.000086	1.05	0.00081	0.00022	2.12	0.0764	<0.00005	<0.00001	2.44	0.000721	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000162
MC-TP4-DC	13-Apr-2021	<0.01	0.000345	2.33	0.004	0.00129	0.00045	0.000469	1.14	0.000792	0.00021	1.63	0.071	<0.00005	<0.00001	2.38	0.00086	0.000074	<0.000004	<0.00001	<0.0002	<0.0002	0.0000154
MC-TP4-DC	13-Apr-2021	<0.01	0.000392	2.37	0.00386	0.00127	0.000198	0.000061	1.04	0.000777	0.00022	2.04	0.0727	<0.00005	<0.00001	2.33	0.000738	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000154
MC-TP4-DC	14-Apr-2021	<0.01	0.000238	1.86	0.0024	0.00101	0.000316	0.000342	0.763	0.000562	0.00018	1.54	0.0545	<0.00005	<0.00001	1.85	0.000552	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000153
MC-TP4-DC	14-Apr-2021	<0.01	0.000279	1.98	0.00281	0.000972	0.000233	0.000095	0.76	0.000532	0.00018	2.05	0.0573	<0.00005	<0.00001	1.95	0.00052	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000161
MC-TP4-DC	15-Apr-2021	<0.01	0.000236	1.86	0.00146	0.000909	0.000269	0.000106	0.611	0.000473	0.00024	1.57	0.0553	<0.00005	<0.00001	1.9	0.000536	0.000051	<0.000004	<0.00001	<0.0002	<0.0002	0.0000161
MC-TP4-DC	16-Apr-2021	<0.01	0.000143	1.31	0.000477	0.000608	0.000425	0.000109	0.398	0.000306	0.00011	1.29	0.0364	<0.00005	<0.00001	1.42	0.000288	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000177
MC-TP4-DC	17-Apr-2021	<0.01	0.000119	1.18	0.000332	0.000482	0.00017	0.000107	0.318	0.000254	0.00013	1.33	0.0315	<0.00005	<0.00001	1.25	0.000217	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000156
MC-TP4-DC	18-Apr-2021	<0.01	0.000099	1.29	0.000201	0.000487	0.000173	0.000121	0.319	0.000218	0.00011	1.39	0.0333	<0.00005	<0.00001	1.26	0.000207	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000138
MC-TP4-DC	19-Apr-2021	<0.01	0.000104	1.42	0.000481	0.000505	0.00023	0.000114	0.329	0.000243	0.00012	1.61	0.0363	<0.00005	<0.00001	1.32	0.000231	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000011
MC-TP4-DC	20-Apr-2021	<0.01	0.000101	1.46	0.000626	0.000501	0.000256	0.000071	0.319	0.000282	0.00013	1.48	0.0361	<0.00005	<0.00001	1.28	0.000223	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000116
MC-TP4-DC	21-Apr-2021	<0.01	0.000096	1.51	0.00142	0.000515	0.000262	0.000119	0.329	0.000283	0.00017	1.52	0.0376	<0.00005	<0.00001	1.28	0.000256	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000106
MC-TP4-DC	22-Apr-2021	<0.01	0.000107	1.43	0.00101	0.000519	0.000617	0.000397	0.386	0.000291	0.00013	1.75	0.0376	<0.00005	<0.00001	1.1	0.000258	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000122
MC-TP4-DC	23-Apr-2021	<0.01	0.000108	1.49	0.000326	0.000577	0.000314	0.00019	0.365	0.000333	0.00014	1.82	0.0388	<0.00005	<0.00001	1.1	0.000294	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000112
MC-TP4-DC	24-Apr-2021	<0.01	0.000115	1.55	0.00033	0.000561	0.000249	0.000165	0.358	0.000348	0.00013	1.88	0.0407	<0.00005	<0.00001	1.06	0.000285	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000013
MC-TP4-DC	25-Apr-2021	<0.01	0.000118	1.61	0.000203	0.000565	0.000222	0.000094	0.356	0.000329	0.00016	1.93	0.0411	<0.00005	<0.00001	1.06	0.000285	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000016
MC-TP4-DC	26-Apr-2021	<0.01	0.000116	1.57	0.000398	0.000566	0.000239	0.000124	0.347	0.000344	0.00011	1.84	0.04	<0.00005	<0.00001	1.05	0.000259	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000132
MC-TP4-DC	27-Apr-2021	<0.01	0.000105	1.67	0.000348	0.000626	0.00027	0.000123	0.376	0.000375	0.00015	1.9	0.0424	<0.00005	<0.00001	1.18	0.000294	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000108
MC-TP4-DC	28-Apr-2021	<0.01	0.000118	1.72	0.000197	0.000645	0.00022	0.000133	0.4	0.000402	0.00014	1.93	0.0437	<0.00005	<0.00001	1.21	0.000336	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000117
MC-TP4-DC	29-Apr-2021	<0.01	0.000106	1.59	0.000354	0.000602	0.000445	0.000105	0.369	0.000379	0.00014	1.96	0.04	<0.00005	<0.00001	1.1	0.000304	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000114
MC-TP4-DC	30-Apr-2021	<0.01	0.000106	1.53	0.000542	0.000515	0.000195	0.00015	0.329	0.000351	0.00014	1.82	0.0378	<0.00005	<0.00001	1.02	0.000267	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000094
MC-TP4-DC	1-May-2021	<0.01	0.000099	1.58	0.000496	0.000503	0.000162	0.00012	0.331	0.000335	0.00014	1.88	0.039	<0.00005	<0.00001	1.01	0.000258	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000087
MC-TP4-DC	2-May-2021	<0.01	0.000114	1.64	0.000433	0.00053	0.000188	0.000097	0.32	0.000346	0.00013	1.94	0.0417	<0.00005	<0.00001	1.06	0.000246	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000011
MC-TP4-DC	3-May-2021	<0.01	0.00011	1.67	0.000657	0.000554	0.000251	0.000103	0.342	0.000362	0.00015	1.97	0.0421	<0.00005	<0.00001	1.14	0.000296	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000103
MC-TP4-DC	4-May-2021	<0.05	0.00012	1.83	0.00067	0.00062	<0.0004	<0.0002	0.42	0.00067	<0.0005	1.7	0.0467	<0.0002	<0.00005	1.62	0.0004	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	5-May-2021	<0.05	0.00014	1.84	<0.0002	0.00082	<0.0004	<0.0002	0.4	0.00035	<0.0005	1.8	0.045	<0.0002	<0.00005	1.46	0.00029	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	6-May-2021	<0.05	<0.0001	1.7	<0.0002	0.00059	<0.0004	<0.0002	0.33	0.00035	<0.0005	2	0.0428	<0.0002	<0.00005	1.32	0.00027	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	7-May-2021	<0.05	0.00012	1.73	<0.0002	0.00053	<0.0004	<0.0002	0.36	0.00049	<0.0005	1.9	0.0425	<0.0002	<0.00005	1.33	0.0003	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	8-May-2021	<0.05	0.00012	1.75	<0.0002	0.00069	<0.0004	<0.0002	0.33	0.00064	<0.0005	1.8	0.045	<0.0002	<0.00005	1.3	0.00029	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000037
MC-TP4-DC	9-May-2021	<0.05	0.0001	1.85	0.00033	0.00059	<0.0004	0.00025	0.38	0.00038	<0.0005	1.7	0.0471	<0.0002	<0.00005	1.41	0.00037	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	10-May-2021	<0.05	<0.0001	1.75	0.00034	0.00058	<0.0004	<0.0002	0.36	0.00039	<0.0005	1.8	0.044	<0.0002	<0.00005	1.36	0.00035	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	11-May-2021	<0.05	0.00012	1.6	0.00048	0.00061	0.00045	<0.0002	0.41	0.00076	<0.0005	1.6	0.0411	<0.0002	<0.00005	1.31	0.00034	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	12-May-2021	<0.05	0.00015	1.57	0.00036	0.00048	<0.0004	<0.0002	0.38	0.00045	<0.0005	1.6	0.0398	<0.0002	<0.00005	1.29	0.0003	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	13-May-2021	<0.05	0.00012	1.56	<0.0002	0.00054	<0.0004	0.00025	0.36	0.00084	<0.0005	1.6	0.0389	<0.0002	<0.00005	1.24	0.00026	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	14-May-2021	<0.05	<0.0001	1.57	0.00021	0.00052	0.00045	0.00031	0.35	0.0006	<0.0005	2	0.0373	<0.0002	<0.00005	1.22	0.00029	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	15-May-2021	<0.05	0.00233	8.77	0.018	0.00887	0.00066	0.00034	6.29	0.00027	0.0038	3.4	0.343	<0.0002	<0.00005	12.8	0.00709	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000027
MC-TP4-DC	16-May-2021	<0.05	<0.0001	1.48	0.00024	0.00043	<0.0004	<0.0002	0.3	0.00027	<0.0005	1.6	0.0359	<0.0002	<0.00005	1.13	0.00028	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MC-TP4-DC	31-Mar-2021	<0.0002	0.0787	<0.00002	-	-	-	-	-
MC-TP4-DC	1-Apr-2021	<0.0002	0.0804	<0.00002	-	-	-	-	-
MC-TP4-DC	2-Apr-2021	<0.0002	0.0971	0.000061	-	-	-	-	-
MC-TP4-DC	3-Apr-2021	<0.0002	0.0816	<0.00002	-	-	-	-	-
MC-TP4-DC	4-Apr-2021	<0.0002	0.084	<0.00002	-	-	-	-	-
MC-TP4-DC	5-Apr-2021	<0.0002	0.0884	<0.00002	-	-	-	-	-
MC-TP4-DC	6-Apr-2021	<0.0002	0.073	<0.00002	-	-	-	-	-
MC-TP4-DC	7-Apr-2021	<0.0002	0.0697	<0.00002	-	-	-	-	-
MC-TP4-DC	8-Apr-2021	<0.0002	0.0704	<0.00002	-	-	-	-	-
MC-TP4-DC	9-Apr-2021	<0.001	0.0797	<0.0001	-	-	-	-	-
MC-TP4-DC	10-Apr-2021	<0.0002	0.0767	<0.00002	-	-	-	-	-
MC-TP4-DC	11-Apr-2021	<0.0002	0.0813	<0.00002	-	-	-	-	-
MC-TP4-DC	12-Apr-2021	<0.0002	0.0858	<0.00002	-	-	-	-	-
MC-TP4-DC	13-Apr-2021	<0.0002	0.0836	<0.00002	-	-	-	-	-
MC-TP4-DC	13-Apr-2021	<0.0002	0.0826	<0.00002	-	-	-	-	-
MC-TP4-DC	14-Apr-2021	<0.0002	0.0762	<0.00002	-	-	-	-	-
MC-TP4-DC	14-Apr-2021	<0.0002	0.0762	<0.00002	-	-	-	-	-
MC-TP4-DC	15-Apr-2021	<0.0002	0.0576	<0.00002	-	-	-	-	-
MC-TP4-DC	16-Apr-2021	<0.0002	0.0477	<0.00002	-	-	-	-	-
MC-TP4-DC	17-Apr-2021	<0.0002	0.0451	<0.00002	-	-	-	-	-
MC-TP4-DC	18-Apr-2021	<0.0002	0.0513	<0.00002	-	-	-	-	-
MC-TP4-DC	19-Apr-2021	<0.0002	0.0588	<0.00002	-	-	-	-	-
MC-TP4-DC	20-Apr-2021	<0.0002	0.0585	<0.00002	-	-	-	-	-
MC-TP4-DC	21-Apr-2021	<0.0002	0.0606	<0.00002	-	-	-	-	-
MC-TP4-DC	22-Apr-2021	<0.0002	0.0634	<0.00002	-	-	-	-	-
MC-TP4-DC	23-Apr-2021	<0.0002	0.0593	<0.00002	-	-	-	-	-
MC-TP4-DC	24-Apr-2021	<0.0002	0.0566	<0.00002	-	-	-	-	-
MC-TP4-DC	25-Apr-2021	<0.0002	0.0505	<0.00002	-	-	-	-	-
MC-TP4-DC	26-Apr-2021	<0.0002	0.0559	<0.00002	-	-	-	-	-
MC-TP4-DC	27-Apr-2021	<0.0002	0.0671	<0.00002	-	-	-	-	-
MC-TP4-DC	28-Apr-2021	<0.0002	0.0701	<0.00002	-	-	-	-	-
MC-TP4-DC	29-Apr-2021	<0.0002	0.0652	<0.00002	-	-	-	-	-
MC-TP4-DC	30-Apr-2021	<0.0002	0.068	<0.00002	-	-	-	-	-
MC-TP4-DC	1-May-2021	<0.0002	0.071	<0.00002	-	-	-	-	-
MC-TP4-DC	2-May-2021	<0.0002	0.0736	<0.00002	-	-	-	-	-
MC-TP4-DC	3-May-2021	<0.0002	0.0758	<0.00002	-	-	-	-	-
MC-TP4-DC	4-May-2021	<0.001	0.0631	<0.0001	-	-	-	-	-
MC-TP4-DC	5-May-2021	<0.001	0.0757	<0.0001	-	-	-	-	-
MC-TP4-DC	6-May-2021	<0.001	0.0698	<0.0001	-	-	-	-	-
MC-TP4-DC	7-May-2021	<0.001	0.0713	<0.0001	-	-	-	-	-
MC-TP4-DC	8-May-2021	<0.001	0.0749	<0.0001	-	-	-	-	-
MC-TP4-DC	9-May-2021	<0.001	0.0836	<0.0001	-	-	-	-	-
MC-TP4-DC	10-May-2021	<0.001	0.0779	<0.0001	-	-	-	-	-
MC-TP4-DC	11-May-2021	<0.001	0.091	<0.0001	-	-	-	-	-
MC-TP4-DC	12-May-2021	<0.001	0.0589	<0.0001	-	-	-	-	-
MC-TP4-DC	13-May-2021	<0.001	0.065	<0.0001	-	-	-	-	-
MC-TP4-DC	14-May-2021	<0.001	0.0641	<0.0001	-	-	-	-	-
MC-TP4-DC	15-May-2021	0.0011	0.094	<0.0001	-	-	-	-	-
MC-TP4-DC	16-May-2021	<0.001	0.0713	<0.0001	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21E2379	14	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	17-May-2021	-	-	-	-	-	-	-	-	-	-
21E2379	15	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	18-May-2021	-	-	-	-	-	-	-	-	-	-
21F0749	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	27-May-2021	-	-	-	-	-	-	-	-	-	-
21F0749	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	28-May-2021	-	-	-	-	-	-	-	-	-	-
21F0749	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	29-May-2021	-	-	-	-	-	-	-	-	-	-
21F0749	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	30-May-2021	-	-	-	-	-	-	-	-	-	-
21F0749	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	31-May-2021	-	-	-	-	-	-	-	-	-	-
21F1770	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	1-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F1770	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	2-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F1770	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	3-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F1770	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	4-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F1770	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	5-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F1770	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	6-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F1770	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	7-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F1770	8	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	8-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F2541	1	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	9-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F2541	2	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	10-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F2541	3	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	11-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F2541	4	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	12-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0057	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	12-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F2541	5	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	13-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F2541	6	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	14-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F3417	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	15-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F3417	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	16-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F3417	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	17-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F3417	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	18-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F3417	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	19-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F3417	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	20-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F3417	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	21-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F3417	8	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	22-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0052	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	23-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0052	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	24-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0052	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	25-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0052	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	26-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0052	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	27-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0052	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	28-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0052	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	29-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0904	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	30-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0904	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	1-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G0904	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	2-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G0904	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	3-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G0904	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	4-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G0904	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	5-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G1792	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	6-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G1792	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	7-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G1792	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	8-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G1792	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	9-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G1792	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	10-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G1792	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	11-Jul-2021	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MC-TP4-DC	17-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0183	6.1	<0.0005	<0.05	0.022
MC-TP4-DC	18-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0194	7.8	<0.0005	<0.05	0.021
MC-TP4-DC	27-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0467	7.3	0.000105	0.004	0.0206
MC-TP4-DC	28-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0333	7.9	0.000086	0.0056	0.0204
MC-TP4-DC	29-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.024	8	0.000115	0.0039	0.0193
MC-TP4-DC	30-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0261	7.1	0.000071	0.0034	0.0179
MC-TP4-DC	31-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0183	7.3	0.000072	0.0034	0.0186
MC-TP4-DC	1-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0374	6	0.000123	<0.002	0.0176
MC-TP4-DC	2-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0377	4.7	0.000149	0.0024	0.0133
MC-TP4-DC	3-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0331	5.3	0.00015	<0.002	0.0147
MC-TP4-DC	4-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0343	5.4	0.000136	<0.002	0.0137
MC-TP4-DC	5-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0339	5.6	0.000117	<0.002	0.0163
MC-TP4-DC	6-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0301	6	0.000107	<0.002	0.0134
MC-TP4-DC	7-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0339	6.6	0.000121	0.002	0.0153
MC-TP4-DC	8-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0402	7.4	0.00013	0.0021	0.0195
MC-TP4-DC	9-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0378	5.8	<0.0005	<0.05	0.0147
MC-TP4-DC	10-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0408	6.8	<0.0005	<0.05	0.0144
MC-TP4-DC	11-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0323	3.9	<0.0005	<0.05	0.0132
MC-TP4-DC	12-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.151	88.2	<0.0005	<0.05	0.0233
MC-TP4-DC	12-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0543	4.7	0.000103	0.003	0.0129
MC-TP4-DC	13-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0366	5.8	<0.0005	<0.05	0.0117
MC-TP4-DC	14-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0376	6	<0.0005	<0.05	0.0125
MC-TP4-DC	15-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0349	4.8	0.000104	0.0085	0.0131
MC-TP4-DC	16-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0657	4.9	0.000156	0.0063	0.0157
MC-TP4-DC	17-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03	5.1	0.000113	0.0055	0.0126
MC-TP4-DC	18-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0313	4.5	0.000152	0.0049	0.0115
MC-TP4-DC	19-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0318	4.8	0.000168	0.0044	0.0111
MC-TP4-DC	20-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.028	6.5	0.000128	0.0047	0.0137
MC-TP4-DC	21-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0279	5.8	0.000136	0.0044	0.0132
MC-TP4-DC	22-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0258	5.2	0.000149	0.0043	0.0123
MC-TP4-DC	23-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0488	5.8	0.000164	0.0067	0.0168
MC-TP4-DC	24-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0526	5.1	0.000116	0.0045	0.0133
MC-TP4-DC	25-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0375	6	0.000147	0.0045	0.0137
MC-TP4-DC	26-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0333	5.5	0.000131	0.004	0.014
MC-TP4-DC	27-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0456	5.5	0.000197	0.0037	0.0165
MC-TP4-DC	28-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0284	5.8	0.000128	0.0035	0.0151
MC-TP4-DC	29-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0228	6.2	0.000128	0.0036	0.015
MC-TP4-DC	30-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0353	6.7	0.000157	0.0056	0.0153
MC-TP4-DC	1-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0238	7.3	0.000161	0.0052	0.0165
MC-TP4-DC	2-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0276	8.4	0.000144	0.0055	0.0177
MC-TP4-DC	3-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0272	8.9	0.000141	0.0052	0.0178
MC-TP4-DC	4-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0241	7.9	0.000146	0.0047	0.0166
MC-TP4-DC	5-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0243	9.5	0.000146	0.005	0.0175
MC-TP4-DC	6-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0479	8.8	0.000167	0.0047	0.0315
MC-TP4-DC	7-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0217	8.1	0.000206	0.0044	0.0167
MC-TP4-DC	8-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0237	10.4	0.000185	0.0049	0.0199
MC-TP4-DC	9-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.018	9.6	0.000153	0.0075	0.0166
MC-TP4-DC	10-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0322	9.8	0.000183	0.0049	0.0198
MC-TP4-DC	11-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0578	9.4	0.000191	0.0049	0.0178

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MC-TP4-DC	17-May-2021	<0.0001	<0.0001	0.000207	18.1	<0.0005	<0.0001	0.00285	<0.01	<0.05	0.0001	1.53	0.00058	0.00047	<0.0004	<0.0002	0.28	<0.0005	<0.0002	1.6	<0.00005	1.13	0.0371
MC-TP4-DC	18-May-2021	<0.0001	<0.0001	0.000239	19.2	<0.0005	<0.0001	0.00134	<0.01	<0.05	0.00012	1.63	0.00123	0.00099	<0.0004	<0.0002	0.31	<0.0005	<0.0002	1.7	<0.00005	1.18	0.0402
MC-TP4-DC	27-May-2021	<0.00001	<0.00001	0.000194	20.5	0.00015	0.0000232	0.00317	0.0323	<0.01	0.000118	1.49	0.00125	0.000606	0.0002	0.000798	0.35	0.00023	0.000071	1.89	<0.00001	1.22	0.0399
MC-TP4-DC	28-May-2021	<0.00001	<0.00001	0.000221	22.1	0.00016	0.0000125	0.00251	0.0059	<0.01	0.000132	1.58	0.000534	0.00535	0.000166	0.000114	0.408	0.00022	<0.00005	1.89	<0.00001	1.44	0.0429
MC-TP4-DC	29-May-2021	<0.00001	<0.00001	0.000205	21.5	0.00014	0.0000117	0.00248	0.0053	<0.01	0.000107	1.5	0.000352	0.0011	0.000186	0.000106	0.347	0.00022	<0.00005	1.8	<0.00001	1.18	0.042
MC-TP4-DC	30-May-2021	<0.00001	<0.00001	0.000203	20	0.00015	0.0000134	0.00288	0.0115	<0.01	0.000103	1.42	0.000817	0.000535	0.000149	0.000165	0.304	0.0002	<0.00005	1.86	<0.00001	1.16	0.0387
MC-TP4-DC	31-May-2021	<0.00001	<0.00001	0.000222	20.9	0.00015	0.0000118	0.00278	0.0059	<0.01	0.000111	1.5	0.000538	0.000558	0.000173	0.000092	0.332	0.0002	<0.00005	1.94	<0.00001	1.16	0.0406
MC-TP4-DC	1-Jun-2021	<0.00001	<0.00001	0.000161	14.9	0.0001	0.0000309	0.00418	0.0077	0.013	0.000122	1.2	0.00339	0.000576	0.000189	0.000247	0.297	0.00024	<0.00005	1.63	<0.00001	1.13	0.0298
MC-TP4-DC	2-Jun-2021	<0.00001	<0.00001	0.000153	11.9	0.00011	0.0000139	0.00397	0.0091	<0.01	0.000133	0.925	0.00122	0.000475	0.000179	0.000275	0.278	0.00015	<0.00005	1.43	<0.00001	1.24	0.0254
MC-TP4-DC	3-Jun-2021	<0.00001	<0.00001	0.00017	12.7	0.00013	0.0000139	0.00423	0.0086	0.012	0.000134	0.96	0.00119	0.000493	0.000162	0.00042	0.279	<0.0001	<0.00005	1.33	<0.00001	1.27	0.0268
MC-TP4-DC	4-Jun-2021	<0.00001	<0.00001	0.000178	13.4	0.00015	0.0000593	0.00386	0.0142	0.012	0.000157	1.06	0.00513	0.000434	0.000201	0.000306	0.252	<0.0001	0.000053	1.47	0.000018	1.41	0.0291
MC-TP4-DC	5-Jun-2021	<0.00001	<0.00001	0.000165	12.8	0.00014	0.0000212	0.00309	0.0094	0.011	0.000123	1.05	0.00212	0.000349	0.000282	0.000188	0.211	<0.0001	<0.00005	1.39	<0.00001	1.08	0.0269
MC-TP4-DC	6-Jun-2021	<0.00001	<0.00001	0.000208	14.1	0.00013	0.000037	0.0037	0.0072	<0.01	0.000146	1.15	0.00593	0.000353	0.000224	0.000249	0.213	0.00012	<0.00005	1.45	<0.00001	1.11	0.0306
MC-TP4-DC	7-Jun-2021	<0.00001	<0.00001	0.000198	14.7	0.00025	0.0000298	0.00301	0.0082	<0.01	0.000161	1.26	0.00613	0.000375	0.000183	0.000199	0.221	0.00012	<0.00005	1.45	<0.00001	1.15	0.0331
MC-TP4-DC	8-Jun-2021	<0.00001	<0.00001	0.00017	14.8	0.00013	0.00007	0.00492	0.0096	<0.01	0.000176	1.26	0.00956	0.000398	0.000254	0.00027	0.22	0.00025	<0.00005	1.49	<0.00001	1.16	0.0338
MC-TP4-DC	9-Jun-2021	<0.0001	<0.0001	0.000173	16.4	<0.0005	<0.0001	0.00219	0.015	0.09	0.00017	1.21	0.00527	0.00033	0.0005	<0.0002	0.21	<0.0005	<0.0002	1.2	<0.00005	1.09	0.0339
MC-TP4-DC	10-Jun-2021	<0.0001	<0.0001	0.000184	16.3	<0.0005	<0.0001	0.00348	0.019	0.1	0.00018	1.18	0.00387	0.00038	<0.0004	0.00033	0.19	<0.0005	<0.0002	1.1	<0.00005	1.02	0.0315
MC-TP4-DC	11-Jun-2021	<0.0001	<0.0001	0.000209	15.3	<0.0005	<0.0001	0.00376	0.015	0.086	0.00019	1.19	0.00199	0.00039	<0.0004	0.00024	0.21	<0.0005	<0.0002	1.1	<0.00005	1.04	0.0305
MC-TP4-DC	12-Jun-2021	<0.0001	<0.0001	0.000305	96.2	<0.0005	0.00023	0.0102	0.041	0.057	0.00268	12.4	0.0656	0.00073	0.00068	0.00288	1.28	<0.0005	<0.0002	2.4	<0.00005	8.14	0.345
MC-TP4-DC	12-Jun-2021	<0.00001	<0.00001	0.000155	11.8	0.00015	0.0000343	0.00451	0.0531	<0.01	0.000138	0.964	0.00423	0.000297	0.000176	0.000873	0.158	0.00011	<0.00005	1.29	<0.00001	0.891	0.0261
MC-TP4-DC	13-Jun-2021	<0.0001	<0.0001	0.000176	12.8	<0.0005	<0.0001	0.0027	0.018	0.053	0.00011	0.911	0.0031	0.00029	<0.0004	0.00047	0.18	<0.0005	<0.0002	1.2	<0.00005	0.84	0.0226
MC-TP4-DC	14-Jun-2021	<0.0001	<0.0001	0.000174	13.1	<0.0005	<0.0001	0.00261	0.022	0.079	<0.0001	0.955	0.00352	0.00037	<0.0004	0.00061	0.17	<0.0005	<0.0002	1	<0.00005	0.86	0.0251
MC-TP4-DC	15-Jun-2021	<0.00001	<0.00001	0.000133	12.1	0.00019	0.000013	0.00209	0.0114	<0.01	0.000155	1.03	0.00154	0.000312	0.000116	0.000254	0.181	0.00011	<0.00005	1.22	<0.00001	0.954	0.0258
MC-TP4-DC	16-Jun-2021	<0.00001	<0.00001	0.000147	12.4	0.00018	0.0000286	0.00308	0.0322	<0.01	0.000132	1.01	0.00281	0.000338	0.000169	0.00101	0.173	0.00011	<0.00005	1.21	<0.00001	0.928	0.0263
MC-TP4-DC	17-Jun-2021	<0.00001	<0.00001	0.000134	12	0.00016	0.000014	0.00223	0.0086	<0.01	0.000145	1.02	0.00176	0.00032	0.000162	0.000196	0.18	0.00011	<0.00005	1.19	<0.00001	0.938	0.026
MC-TP4-DC	18-Jun-2021	<0.00001	<0.00001	0.000123	12.1	0.00016	0.0000091	0.00224	0.0056	<0.01	0.000133	1.02	0.00119	0.000329	0.000119	0.000143	0.17	<0.0001	<0.00005	1.25	<0.00001	0.936	0.0251
MC-TP4-DC	19-Jun-2021	<0.00001	<0.00001	0.000131	11.8	0.00017	0.0000157	0.00235	0.0113	<0.01	0.000132	1	0.00171	0.000493	0.000144	0.00012	0.179	<0.0001	<0.00005	1.26	<0.00001	1.02	0.0254
MC-TP4-DC	20-Jun-2021	0.000011	<0.00001	0.000186	14	0.00025	0.0000131	0.00234	0.0071	<0.01	0.000195	1.14	0.00153	0.000414	0.000156	0.000251	0.241	0.00012	<0.00005	1.24	<0.00001	1.13	0.0292
MC-TP4-DC	21-Jun-2021	<0.00001	<0.00001	0.00017	13.9	0.00019	0.0000126	0.00242	0.0111	<0.01	0.000159	1.11	0.00158	0.000458	0.000147	0.000187	0.276	0.0001	<0.00005	1.28	<0.00001	1.13	0.0283
MC-TP4-DC	22-Jun-2021	<0.00001	<0.00001	0.000159	12.1	0.00023	0.0000149	0.00245	0.0091	<0.01	0.000149	0.973	0.00204	0.000437	0.000151	0.000267	0.273	0.00012	<0.00005	1.19	<0.00001	0.994	0.0256
MC-TP4-DC	23-Jun-2021	<0.00001	0.000016	0.00013	13.6	0.00014	0.0000166	0.0031	0.0146	<0.01	0.000114	1.06	0.00187	0.000485	0.000106	0.000708	0.246	0.0005	<0.00005	1.44	<0.00001	0.97	0.0285
MC-TP4-DC	24-Jun-2021	<0.00001	<0.00001	0.000127	13.5	0.00031	0.0000171	0.00278	0.0082	<0.01	0.000142	1.01	0.00177	0.000456	0.000275	0.000208	0.226	0.00035	<0.00005	1.47	<0.00001	0.911	0.0275
MC-TP4-DC	25-Jun-2021	0.00004	<0.00001	0.00014	13.9	0.00029	0.0000145	0.0026	0.0109	<0.01	0.000196	1.04	0.00192	0.000467	0.000253	0.000252	0.264	0.00019	<0.00005	1.29	<0.00001	0.965	0.0281
MC-TP4-DC	26-Jun-2021	<0.00001	<0.00001	0.000161	14	0.00014	0.0000128	0.00274	0.0091	<0.01	0.000151	1.05	0.00193	0.000506	0.000121	0.000297	0.279	0.00014	<0.00005	1.34	<0.00001	0.964	0.0284
MC-TP4-DC	27-Jun-2021	<0.00001	<0.00001	0.000168	14.1	0.00024	0.0000431	0.00278	0.0122	<0.01	0.000158	1.06	0.00282	0.000526	0.000282	0.00035	0.261	0.0001	<0.00005	1.49	0.000016	0.943	0.0288
MC-TP4-DC	28-Jun-2021	<0.00001	<0.00001	0.000161	14.6	0.00011	0.0000145	0.00215	0.0089	<0.01	0.000147	1.1	0.00241	0.000478	0.000131	0.000145	0.254	<0.0001	<0.00005	1.62	<0.00001	0.94	0.0292
MC-TP4-DC	29-Jun-2021	<0.00001	<0.00001	0.000148	14.8	0.00012	0.0000179	0.00156	0.0071	<0.01	0.000151	1.12	0.00273	0.000488	0.000136	0.000173	0.266	0.00013	<0.00005	1.45	<0.00001	0.973	0.0297
MC-TP4-DC	30-Jun-2021	<0.00001	<0.00001	0.000162	13.9	0.00011	0.0000142	0.00258	0.0037	<0.01	0.000191	1.18	0.00164	0.000542	0.000147	0.000161	0.25	0.00015	<0.00005	1.53	<0.00001	1	0.0301
MC-TP4-DC	1-Jul-2021	<0.00001	<0.00001	0.000186	14.7	0.00013	0.0000121	0.00322	0.0048	<0.01	0.000172	1.23	0.00136	0.000594	0.000121	0.00011	0.273	0.00018	<0.00005	1.55	<0.00001	1.05	0.0314
MC-TP4-DC	2-Jul-2021	<0.00001	<0.00001	0.000212	17.2	0.00016	0.0000137	0.00316	0.0075	<0.01	0.000224	1.42	0.00223	0.000756	0.000165	0.000133	0.378	0.00017	<0.00005	1.56	<0.00001	1.25	0.0385
MC-TP4-DC	3-Jul-2021	<0.00001	<0.00001	0.000231	16.6	0.00014	0.000014	0.0029	0.0062	<0.01	0.000209	1.42	0.00254	0.00071	0.000146	0.00028	0.352	0.00018	<0.00005	1.57	<0.00001	1.22	0.0382
MC-TP4-DC	4-Jul-2021	<0.00001	<0.00001	0.000201	16	0.00016	0.000024	0.00129	0.0086	<0.01	0.000209	1.36	0.00419	0.000629	0.000151	0.000265	0.288	0.00027	<0.00005	1.6	<0.00001	1.14	0.0362
MC-TP4-DC	5-Jul-2021	<0.00001	<0.00001	0.000247	16.9	0.00022	0.0000271	0.00423	0.0089	<0.01	0.000225	1.47	0.00465	0.000676	0.000405	0.000152	0.346	0.0002	<0.00005	1.65	<0.00001	1.28	0.0393
MC-TP4-DC	6-Jul-2021	<0.00001	<0.00001	0.000165	17.6	0.00019	0.000017	0.00359	0.0069	<0.01	0.000233	1.42	0.0021	0.000784	0.000276	0.000146	0.409	0.0002	<0.00005	1.34	<0.00001	1.24	0.0388
MC-TP4-DC	7-Jul-2021	<0.00001	<0.00001	0.000212	17	0.00014	0.0000156	0.00106	0.0075	<0.01	0.000224	1.37	0.00216	0.000728	0.00017	0.000053	0.423	0.00019	<0.00005	1.21	<0.00001	1.26	0.0382
MC-TP4-DC	8-Jul-2021	<0.00001	<0.00001	0.000221	19	0.00018	0.0000229	0.00188	0.0073	0.022	0.000221	1.5	0.00546	0.000923	0.00024	0.00008	0.523	0.00023	0.000051	1.35	<0.00001	1.46	0.0429
MC-TP4-DC	9-Jul-2021	<0.00001	<0.00001	0.00016	16.3	0.00014	0.0000132	0.00094	0.0043	<0.01	0.000239	1.48	0.00237	0.000829	0.000214	<0.00005	0.561	0.00027	<0.00005	1.71	<0.00001	1.57	0.0388
MC-TP4-DC	10-Jul-2021	<0.00001	<0.00001	0.000148	18.6	0.00013	0.0000224	0.00146	0.0049	<0.01	0.000199	1.42	0.0121	0.000943	0.000184	0.000074	0.541	0.00025	<0.00005	1.37	<0.00001	1.48	0.0422
MC-TP4-DC	11-Jul-2021	<0.00001	<0.00001	0.000202	17	0.00013	0.0000987	0.00247	0.0502	<0.01	0.000203	1.33	0.0243	0.000932	0.000279	0.000737	0.534	0.0003	<0.00005	1.3	<0.00001	1.45	0.0394

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MC-TP4-DC	17-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0734	<0.0001	-	0.0176	6.2	<0.0005	<0.05	<0.0001	<0.0001	0.0183	0.000205	18.2	<0.0005	<0.0001	0.00352	<0.01
MC-TP4-DC	18-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0863	<0.0001	-	0.0172	7.7	<0.0005	<0.05	<0.0001	<0.0001	0.0208	0.000241	18.9	<0.0005	<0.0001	0.00219	<0.01
MC-TP4-DC	27-May-2021	<0.00005	<0.000004	<0.00001	0.0006	<0.0002	0.0000117	<0.0002	0.0668	<0.00002	-	0.0372	7.36	0.000083	<0.002	<0.00001	<0.00001	0.0198	0.000192	20	0.00014	0.0000213	0.00436	0.0036
MC-TP4-DC	28-May-2021	<0.00005	<0.000004	<0.00001	0.00023	<0.0002	0.0000133	<0.0002	0.0755	<0.00002	-	0.0227	7.46	0.000086	<0.002	<0.00001	<0.00001	0.0198	0.000222	21.1	0.00013	0.0000147	0.00339	0.0023
MC-TP4-DC	29-May-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000112	<0.0002	0.0673	<0.00002	-	0.0226	7.38	0.000094	<0.002	<0.00001	<0.00001	0.0193	0.000216	20.9	0.00013	0.0000136	0.00317	0.0022
MC-TP4-DC	30-May-2021	<0.00005	<0.000004	<0.00001	0.00023	<0.0002	0.0000095	<0.0002	0.071	<0.00002	-	0.021	6.62	0.000069	<0.002	<0.00001	<0.00001	0.0178	0.000211	19.5	0.00015	0.0000144	0.00354	0.0031
MC-TP4-DC	31-May-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000097	<0.0002	0.0779	<0.00002	-	0.0186	7.29	0.000075	<0.002	<0.00001	<0.00001	0.0182	0.000224	20.2	0.00013	0.0000126	0.00391	0.0025
MC-TP4-DC	1-Jun-2021	<0.00005	<0.000004	<0.00001	0.00041	<0.0002	0.0000108	<0.0002	0.0552	<0.00002	-	0.0369	5.47	0.000093	<0.002	<0.00001	<0.00001	0.0176	0.000151	14.9	0.00016	0.0000252	0.00462	0.0034
MC-TP4-DC	2-Jun-2021	0.000069	<0.000004	<0.00001	<0.0002	<0.0002	0.0000102	<0.0002	0.0517	<0.00002	-	0.0349	4.18	0.000134	<0.002	<0.00001	<0.00001	0.0128	0.000152	11.8	0.00014	0.0000154	0.0046	0.0047
MC-TP4-DC	3-Jun-2021	<0.00005	<0.000004	<0.00001	0.00028	<0.0002	0.0000105	<0.0002	0.056	<0.00002	-	0.0302	4.57	0.000118	<0.002	<0.00001	<0.00001	0.0143	0.000148	12.1	0.00013	0.0000148	0.0103	0.004
MC-TP4-DC	4-Jun-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000106	<0.0002	0.0607	0.000023	-	0.0297	5.13	0.000085	<0.002	<0.00001	<0.00001	0.0133	0.00017	13.1	0.00015	0.0000257	0.00491	0.004
MC-TP4-DC	5-Jun-2021	<0.00005	<0.000004	<0.00001	0.00042	<0.0002	0.0000131	<0.0002	0.0609	<0.00002	-	0.031	5	0.000095	<0.002	<0.00001	<0.00001	0.0155	0.000163	12.5	<0.0001	0.0000153	0.0046	0.0188
MC-TP4-DC	6-Jun-2021	<0.00005	<0.000004	<0.00001	0.00047	<0.0002	0.0000144	<0.0002	0.0677	<0.00002	-	0.0295	6.09	0.00011	<0.002	<0.00001	<0.00001	0.0136	0.000194	13.9	0.00015	0.0000348	0.00483	0.0039
MC-TP4-DC	7-Jun-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000116	<0.0002	0.0714	<0.00002	-	0.0273	6.29	0.000069	<0.002	<0.00001	<0.00001	0.0151	0.0002	14.6	0.00012	0.0000253	0.00408	0.0028
MC-TP4-DC	8-Jun-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000148	<0.0002	0.0778	<0.00002	-	0.0351	7.29	0.000092	<0.002	<0.00001	<0.00001	0.0175	0.000177	14.4	0.00014	0.0000648	0.00555	0.0043
MC-TP4-DC	9-Jun-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0911	<0.0001	-	0.0388	7	<0.0005	<0.05	<0.0001	<0.0001	0.0172	0.000168	17	<0.0005	<0.0001	0.00731	0.016
MC-TP4-DC	10-Jun-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0609	<0.0001	-	0.0384	6.5	<0.0005	<0.05	<0.0001	<0.0001	0.0167	0.000165	16.6	<0.0005	<0.0001	0.00645	0.01
MC-TP4-DC	11-Jun-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0714	<0.0001	-	0.0258	5.7	<0.0005	<0.05	<0.0001	<0.0001	0.0143	0.000198	15.7	<0.0005	<0.0001	0.00558	<0.01
MC-TP4-DC	12-Jun-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.101	<0.0001	-	0.0323	<3	<0.0005	<0.05	<0.0001	<0.0001	0.012	0.000152	13.3	<0.0005	<0.0001	0.0042	<0.01
MC-TP4-DC	12-Jun-2021	0.000057	<0.000004	<0.00001	0.0009	<0.0002	0.0000143	<0.0002	0.0642	<0.00002	-	0.0176	4.25	0.000077	0.0028	<0.00001	<0.00001	0.0108	0.000152	11.8	0.00016	0.0000107	0.00276	0.0044
MC-TP4-DC	13-Jun-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0623	<0.0001	-	0.0324	4.3	<0.0005	<0.05	<0.0001	<0.0001	0.0135	0.000178	12.8	<0.0005	<0.0001	0.00361	<0.01
MC-TP4-DC	14-Jun-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0702	<0.0001	-	0.0262	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0121	0.000196	13.7	<0.0005	<0.0001	0.00417	<0.01
MC-TP4-DC	15-Jun-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000126	0.00025	0.0454	<0.00002	-	0.0278	4.43	0.000099	0.0035	<0.00001	<0.00001	0.0118	0.000125	10.7	0.0002	0.0000099	0.00375	0.0034
MC-TP4-DC	16-Jun-2021	<0.00005	<0.000004	<0.00001	0.0007	<0.0002	0.0000109	0.00028	0.0549	<0.00002	-	0.0387	4.72	0.000127	0.0029	<0.00001	<0.00001	0.0135	0.000117	10.7	0.00018	0.0000089	0.00265	0.003
MC-TP4-DC	17-Jun-2021	0.000057	<0.000004	<0.00001	<0.0002	<0.0002	0.0000098	0.00027	0.0499	<0.00002	-	0.0226	5.2	0.000097	0.0026	<0.00001	<0.00001	0.0122	0.000126	10.6	0.00015	0.0000091	0.0025	0.0033
MC-TP4-DC	18-Jun-2021	<0.00005	<0.000004	<0.00001	0.00035	<0.0002	0.0000094	0.00025	0.0449	<0.00002	-	0.0251	4.86	0.000103	0.0025	<0.00001	<0.00001	0.0106	0.000109	10.4	0.00017	<0.000005	0.00243	0.0023
MC-TP4-DC	19-Jun-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000096	0.0003	0.0453	<0.00002	-	0.0198	4.26	0.000129	0.0022	<0.00001	<0.00001	0.0104	0.000121	10.4	0.00015	0.0000055	0.00237	0.0026
MC-TP4-DC	20-Jun-2021	<0.00005	0.000009	<0.00001	<0.0002	<0.0002	0.0000196	0.00023	0.0518	<0.00002	-	0.0205	4.86	0.000117	0.0026	<0.00001	<0.00001	0.0125	0.000142	12.7	0.00013	0.0000064	0.00245	0.0025
MC-TP4-DC	21-Jun-2021	<0.00005	<0.000004	<0.00001	0.00287	<0.0002	0.0000093	0.00028	0.0556	<0.00002	-	0.0187	5.62	0.000107	0.0027	<0.00001	<0.00001	0.0116	0.000137	12.1	0.00012	0.0000082	0.0029	0.002
MC-TP4-DC	22-Jun-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000097	0.00025	0.0553	<0.00002	-	0.019	4.65	0.000117	0.0027	<0.00001	<0.00001	0.0111	0.000138	11	0.00017	0.0000103	0.00244	0.0027
MC-TP4-DC	23-Jun-2021	0.000051	<0.000004	0.000021	0.00027	<0.0002	0.0000102	<0.0002	0.0348	<0.00002	-	0.0399	5.91	0.000158	0.0046	<0.00001	<0.00001	0.0167	0.000133	13.8	0.00017	0.0000127	0.00291	0.0029
MC-TP4-DC	24-Jun-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000117	<0.0002	0.0372	<0.00002	-	0.0457	5.14	0.000114	0.0039	<0.00001	<0.00001	0.0135	0.000122	13.8	0.00014	0.0000068	0.00256	0.0024
MC-TP4-DC	25-Jun-2021	<0.00005	0.0000109	<0.00001	<0.0002	0.00021	0.000048	<0.0002	0.0441	<0.00002	-	0.0327	5.39	0.000136	0.004	<0.00001	<0.00001	0.0136	0.00013	14.2	0.00015	0.0000096	0.00225	0.0021
MC-TP4-DC	26-Jun-2021	<0.00005	<0.000004	<0.00001	<0.0002	0.00021	0.0000097	<0.0002	0.0452	<0.00002	-	0.028	5.06	0.000125	0.0041	<0.00001	<0.00001	0.0137	0.000159	14	0.00015	0.0000142	0.00255	0.003
MC-TP4-DC	27-Jun-2021	0.00008	<0.000004	<0.00001	0.00022	<0.0002	0.0000094	0.00024	0.0427	<0.00002	-	0.0391	5.11	0.000135	0.0032	<0.00001	<0.00001	0.0154	0.000142	13.9	0.00013	0.0000074	0.00226	0.0038
MC-TP4-DC	28-Jun-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000102	<0.0002	0.0495	<0.00002	-	0.0239	5.08	0.000154	0.0033	<0.00001	<0.00001	0.015	0.000152	14.3	0.0002	0.0000103	0.0022	0.0057
MC-TP4-DC	29-Jun-2021	0.000052	<0.000004	<0.00001	<0.0002	<0.0002	0.0000072	<0.0002	0.0499	<0.00002	-	0.0184	6.18	0.000121	0.0036	<0.00001	<0.00001	0.0152	0.000145	14.9	0.00013	0.0000123	0.00155	0.0035
MC-TP4-DC	30-Jun-2021	0.000057	<0.000004	<0.00001	<0.0002	<0.0002	0.0000094	<0.0002	0.0458	<0.00002	-	0.0354	6.03	0.000187	0.0054	<0.00001	<0.00001	0.0146	0.000163	14.1	0.00013	0.0000134	0.00255	0.0031
MC-TP4-DC	1-Jul-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000095	<0.0002	0.0557	<0.00002	-	0.0233	6.35	0.000194	0.0057	<0.00001	<0.00001	0.0198	0.000204	14.6	0.00013	0.0000107	0.00308	0.0045
MC-TP4-DC	2-Jul-2021	0.000082	<0.000004	<0.00001	<0.0002	<0.0002	0.0000108	0.00022	0.0714	<0.00002	-	0.0265	8.4	0.000133	0.0057	<0.00001	<0.00001	0.0178	0.00021	16.6	0.00016	0.0000142	0.00315	0.0061
MC-TP4-DC	3-Jul-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000099	<0.0002	0.0698	<0.00002	-	0.0241	7.26	0.000152	0.0051	<0.00001	<0.00001	0.0166	0.000209	15.9	0.00015	0.0000088	0.00309	0.0032
MC-TP4-DC	4-Jul-2021	0.00008	<0.000004	<0.00001	<0.0002	<0.0002	0.000008	<0.0002	0.0682	<0.00002	-	0.0239	7.9	0.000128	0.0048	<0.00001	<0.00001	0.0158	0.00019	15.7	0.00015	0.0000149	0.00148	0.0062
MC-TP4-DC	5-Jul-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000098	<0.0002	0.0848	<0.00002	-	0.0233	8.15	0.000134	0.0049	<0.00001	<0.00001	0.0173	0.000237	16.6	0.00012	0.0000209	0.00393	<0.002
MC-TP4-DC	6-Jul-2021	0.000068	<0.000004	<0.00001	<0.0002	<0.0002	0.0000129	<0.0002	0.0466	<0.00002	-	0.0395	8.01	0.000144	0.0049	<0.00001	<0.00001	0.0278	0.000155	15.4	0.00012	0.0000089	0.00319	0.0033
MC-TP4-DC	7-Jul-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000095	<0.0002	0.0604	<0.00002	-	0.017	8.89	0.000144	0.0051	<0.00001	<0.00001	0.0163	0.000183	16.1	0.00011	0.0000088	0.00134	0.0024
MC-TP4-DC	8-Jul-2021	0.000166	<0.000004	<0.00001	<0.0002	<0.0002	0.0000103	<0.0002	0.073	<0.00002	-	0.0183	8.96	0.00014	0.0054	<0.00001	<0.00001	0.0186	0.000211	17.3	0.00014	0.0000075	0.00168	<0.002
MC-TP4-DC	9-Jul-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000072	<0.0002	0.0482	<0.00002	-	0.0164	9.67	0.000156	0.0053	<0.00001	<0.00001	0.017	0.000144	17.4	0.00013	0.000007	0.00119	0.0028
MC-TP4-DC	10-Jul-2021	0.000063	<0.000004	<0.00001	<0.0002	<0.0002	0.0000081	<0.0002	0.0503	<0.00002	-	0.026	8.91	0.000167	0.0052	<0.00001	<0.00001	0.0182	0.000143	16.7	0.00014	0.000009	0.00147	<0.002
MC-TP4-DC	11-Jul-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000094	<0.0002	0.0742	<0.00002	-	0.0357	9.33	0.000174	0.0052	<0.00001	<0.00001	0.0171	0.0002	15.8	0.00012	0.0000671	0.00173	0.0026

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MC-TP4-DC	17-May-2021	<0.05	<0.0001	1.57	0.00046	0.0005	<0.0004	<0.0002	0.3	0.00032	<0.0005	1.5	0.0366	<0.0002	<0.00005	1.14	0.00021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	18-May-2021	<0.05	<0.0001	1.57	0.00112	0.00044	0.00057	0.00025	0.29	0.00029	<0.0005	1.8	0.0387	<0.0002	<0.00005	1.17	0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	27-May-2021	<0.01	0.000121	1.44	0.000743	0.000511	0.00025	0.000257	0.373	0.000336	0.00023	1.79	0.0419	<0.00005	<0.00001	0.982	0.000281	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.00001
MC-TP4-DC	28-May-2021	<0.01	0.000112	1.48	0.000257	0.000485	0.000291	0.00011	0.347	0.000327	0.00016	1.85	0.043	<0.00005	<0.00001	0.899	0.000235	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000125
MC-TP4-DC	29-May-2021	<0.01	0.000103	1.5	0.000133	0.000484	0.000164	0.000102	0.342	0.000239	0.00019	1.9	0.0427	<0.00005	<0.00001	0.893	0.000223	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000102
MC-TP4-DC	30-May-2021	<0.01	0.000099	1.38	0.000599	0.000462	0.000211	0.000149	0.312	0.000298	0.00018	1.84	0.0382	<0.00005	<0.00001	0.837	0.000199	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000009
MC-TP4-DC	31-May-2021	<0.01	0.000105	1.43	0.000389	0.00047	0.000172	0.000126	0.318	0.000255	0.0002	1.75	0.0403	<0.00005	<0.00001	0.833	0.000186	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000009
MC-TP4-DC	1-Jun-2021	<0.01	0.000092	1.24	0.00287	0.000452	0.000232	0.000194	0.28	0.000199	0.00036	1.47	0.0314	<0.00005	<0.00001	1.19	0.000188	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000091
MC-TP4-DC	2-Jun-2021	<0.01	0.000104	0.961	0.000704	0.000399	0.000157	0.000224	0.265	0.000244	<0.0001	1.29	0.0258	<0.00005	<0.00001	1.33	0.000196	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000092
MC-TP4-DC	3-Jun-2021	<0.01	0.000099	0.955	0.000498	0.000387	0.000208	0.000295	0.232	0.000195	0.00013	1.02	0.0268	<0.00005	<0.00001	1.42	0.00018	<0.00005	<0.000004	<0.00001	0.00027	<0.0002	0.000009
MC-TP4-DC	4-Jun-2021	<0.01	0.000104	1.05	0.004	0.000391	0.000269	0.000204	0.22	0.000211	0.00014	1.38	0.0289	<0.00005	<0.00001	1.31	0.000171	<0.00005	<0.000004	<0.00001	0.00022	<0.0002	0.000009
MC-TP4-DC	5-Jun-2021	<0.01	0.000107	1.04	0.00132	0.000328	0.000211	0.000089	0.19	0.000125	<0.0001	1.45	0.0276	<0.00005	<0.00001	1.15	0.000142	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000104
MC-TP4-DC	6-Jun-2021	<0.01	0.000127	1.22	0.00547	0.00034	0.000215	0.000206	0.204	0.000162	0.00013	1.46	0.0313	<0.00005	<0.00001	1.23	0.000107	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000121
MC-TP4-DC	7-Jun-2021	<0.01	0.00015	1.25	0.00577	0.000319	0.000217	0.000114	0.183	0.000135	0.00014	1.32	0.0337	<0.00005	<0.00001	1.22	0.000119	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000102
MC-TP4-DC	8-Jun-2021	<0.01	0.000188	1.28	0.00932	0.000363	0.00025	0.000126	0.204	0.000156	0.00029	1.67	0.0344	<0.00005	<0.00001	1.23	0.00014	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000132
MC-TP4-DC	9-Jun-2021	<0.05	0.00054	1.38	0.00415	0.00027	0.0007	0.00091	0.3	0.0002	<0.0005	1.5	0.0359	<0.0002	<0.00005	1.38	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	10-Jun-2021	<0.05	0.00016	1.28	0.00224	0.00021	0.00089	0.00048	0.33	0.00029	<0.0005	1.5	0.0348	0.0003	<0.00005	1.22	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	11-Jun-2021	<0.05	0.00018	1.21	0.00079	0.00015	0.00041	0.00024	0.28	0.00024	<0.0005	1.5	0.0323	<0.0002	<0.00005	1.15	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	12-Jun-2021	<0.05	<0.0001	1.03	0.00163	0.00023	<0.0004	0.00035	0.23	0.00057	<0.0005	1.3	0.0276	<0.0002	<0.00005	0.98	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	12-Jun-2021	<0.01	0.000138	0.944	0.000662	0.000297	0.00018	0.000167	0.156	0.000112	<0.0001	1.22	0.0259	<0.00005	<0.00001	0.895	0.000112	0.000053	<0.000004	<0.00001	<0.0002	<0.0002	0.0000122
MC-TP4-DC	13-Jun-2021	<0.05	0.0001	0.934	0.00219	0.00014	0.00055	0.00034	0.21	<0.0002	<0.0005	1.4	0.0245	<0.0002	<0.00005	0.95	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	14-Jun-2021	<0.05	<0.0001	0.969	0.00246	0.00011	<0.0004	<0.0002	0.2	<0.0002	<0.0005	1.2	0.026	<0.0002	<0.00005	0.93	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	15-Jun-2021	<0.01	0.000102	0.918	0.00037	0.000286	0.000585	0.000145	0.126	0.000142	<0.0001	1.13	0.0239	<0.00005	<0.00001	0.931	0.000097	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000103
MC-TP4-DC	16-Jun-2021	<0.01	0.000086	0.879	0.000299	0.000285	0.000149	0.000214	0.136	0.00012	<0.0001	1.13	0.0237	<0.00005	<0.00001	0.836	0.000109	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000089
MC-TP4-DC	17-Jun-2021	<0.01	0.0001	0.941	0.000352	0.000306	0.000221	0.000189	0.16	0.000117	<0.0001	1.08	0.0235	<0.00005	<0.00001	0.873	0.000113	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000082
MC-TP4-DC	18-Jun-2021	<0.01	0.000109	0.916	0.000111	0.000313	0.000134	0.000053	0.139	0.000115	<0.0001	1.04	0.023	<0.00005	<0.00001	0.87	0.000107	0.00006	<0.000004	<0.00001	<0.0002	<0.0002	0.0000088
MC-TP4-DC	19-Jun-2021	<0.01	0.000099	0.884	0.000171	0.000298	0.000115	<0.00005	0.145	0.000119	0.00011	0.99	0.0227	<0.00005	<0.00001	0.899	0.000107	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000089
MC-TP4-DC	20-Jun-2021	<0.01	0.000099	1.03	0.000483	0.000358	0.000334	0.00007	0.206	0.000212	0.00011	1.11	0.0264	<0.00005	<0.00001	1.04	0.000171	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000085
MC-TP4-DC	21-Jun-2021	<0.01	0.000111	0.99	0.000479	0.000449	0.00011	0.000059	0.213	0.000235	<0.0001	1.14	0.0257	<0.00005	<0.00001	1.01	0.000217	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000085
MC-TP4-DC	22-Jun-2021	<0.01	0.000116	0.889	0.00123	0.000417	0.000166	0.000101	0.231	0.000237	0.00017	0.93	0.0236	<0.00005	<0.00001	0.953	0.000228	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000087
MC-TP4-DC	23-Jun-2021	<0.01	0.000162	1.06	0.000463	0.000522	0.000197	0.000175	0.267	0.000261	0.00016	1.38	0.0293	<0.00005	<0.00001	1.1	0.000262	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000116
MC-TP4-DC	24-Jun-2021	<0.01	0.000148	1.04	0.00049	0.000474	0.000147	0.000131	0.208	0.00023	<0.0001	1.38	0.0275	<0.00005	<0.00001	0.941	0.000237	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000106
MC-TP4-DC	25-Jun-2021	<0.01	0.000161	1.06	0.000308	0.000496	0.000236	0.000082	0.261	0.000316	0.00014	1.33	0.0282	<0.00005	<0.00001	1.04	0.000276	<0.00005	<0.000004	<0.00001	<0.0002	0.00022	0.0000118
MC-TP4-DC	26-Jun-2021	<0.01	0.000156	1.04	0.000309	0.00051	0.000153	0.000199	0.252	0.000348	0.00012	1.43	0.0278	<0.00005	<0.00001	1.01	0.000292	<0.00005	<0.000004	<0.00001	<0.0002	0.00024	0.0000109
MC-TP4-DC	27-Jun-2021	<0.01	0.00015	1.06	0.000886	0.000464	0.000194	0.00015	0.239	0.000314	0.00014	1.41	0.0275	<0.00005	<0.00001	0.959	0.000258	0.000071	<0.000004	<0.00001	<0.0002	<0.0002	0.0000104
MC-TP4-DC	28-Jun-2021	<0.01	0.000158	1.07	0.00112	0.000473	0.000182	0.000103	0.226	0.000285	0.00016	1.31	0.0287	<0.00005	<0.00001	0.955	0.000288	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000128
MC-TP4-DC	29-Jun-2021	<0.01	0.000168	1.1	0.00203	0.000503	0.00018	0.000116	0.254	0.000296	0.00016	1.44	0.0298	<0.00005	<0.00001	1.01	0.00032	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000011
MC-TP4-DC	30-Jun-2021	<0.01	0.000175	1.17	0.00105	0.000553	0.000213	0.000141	0.253	0.000406	0.00014	1.28	0.0306	<0.00005	<0.00001	1.05	0.000392	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000092
MC-TP4-DC	1-Jul-2021	<0.01	0.00017	1.2	0.00106	0.000581	0.000243	0.000109	0.24	0.000419	0.00015	1.23	0.0313	<0.00005	<0.00001	1.04	0.000401	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000103
MC-TP4-DC	2-Jul-2021	<0.01	0.000186	1.43	0.00105	0.00071	0.000203	0.000133	0.368	0.000585	0.00017	1.43	0.0377	<0.00005	<0.00001	1.28	0.000582	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000096
MC-TP4-DC	3-Jul-2021	<0.01	0.000186	1.37	0.00135	0.00069	0.000196	0.00013	0.317	0.000527	0.00018	1.34	0.0362	<0.00005	<0.00001	1.2	0.000483	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000085
MC-TP4-DC	4-Jul-2021	<0.01	0.000185	1.35	0.00285	0.000627	0.000156	0.000235	0.274	0.000398	0.00023	1.43	0.035	<0.00005	<0.00001	1.16	0.000387	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000083
MC-TP4-DC	5-Jul-2021	<0.01	0.000197	1.44	0.004	0.000665	0.000288	0.000086	0.305	0.00047	0.00017	1.43	0.0379	<0.00005	<0.00001	1.28	0.000429	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000089
MC-TP4-DC	6-Jul-2021	<0.01	0.000204	1.24	0.000503	0.000641	0.00022	0.000143	0.35	0.000508	0.00018	1.3	0.0346	<0.00005	<0.00001	1.15	0.000437	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000098
MC-TP4-DC	7-Jul-2021	<0.01	0.000203	1.26	0.0005	0.000678	0.000164	0.000062	0.375	0.000544	0.00018	1.25	0.0361	<0.00005	<0.00001	1.19	0.00047	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000079
MC-TP4-DC	8-Jul-2021	<0.01	0.000208	1.37	0.00358	0.000801	0.000187	<0.00005	0.457	0.000844	0.00023	1.34	0.0394	<0.00005	<0.00001	1.37	0.000628	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000097
MC-TP4-DC	9-Jul-2021	<0.01	0.000199	1.34	0.000674	0.000851	0.000202	0.000069	0.5	0.00071	0.00023	1.36	0.0392	<0.00005	<0.00001	1.41	0.00071	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000075
MC-TP4-DC	10-Jul-2021	<0.01	0.000178	1.28	0.00884	0.00083	0.000233	0.000056	0.484	0.000785	0.00024	1.29	0.0387	<0.00005	<0.00001	1.43	0.00069	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000079
MC-TP4-DC	11-Jul-2021	<0.01	0.000194	1.22	0.0205	0.000864	0.000246	0.000074	0.485	0.000745	0.00029	1.33	0.0376	<0.00005	<0.00001	1.38	0.000669	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000073

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MC-TP4-DC	17-May-2021	<0.001	0.0752	<0.0001	-	-	-	-	-
MC-TP4-DC	18-May-2021	<0.001	0.0872	<0.0001	-	-	-	-	-
MC-TP4-DC	27-May-2021	<0.0002	0.0713	<0.00002	-	-	-	-	-
MC-TP4-DC	28-May-2021	<0.0002	0.0812	<0.00002	-	-	-	-	-
MC-TP4-DC	29-May-2021	<0.0002	0.0744	<0.00002	-	-	-	-	-
MC-TP4-DC	30-May-2021	<0.0002	0.0781	<0.00002	-	-	-	-	-
MC-TP4-DC	31-May-2021	<0.0002	0.0848	0.000663	-	-	-	-	-
MC-TP4-DC	1-Jun-2021	<0.0002	0.0547	<0.00002	-	-	-	-	-
MC-TP4-DC	2-Jun-2021	<0.0002	0.0528	<0.00002	-	-	-	-	-
MC-TP4-DC	3-Jun-2021	<0.0002	0.0565	<0.00002	-	-	-	-	-
MC-TP4-DC	4-Jun-2021	<0.0002	0.0628	<0.00002	-	-	-	-	-
MC-TP4-DC	5-Jun-2021	<0.0002	0.0685	<0.00002	-	-	-	-	-
MC-TP4-DC	6-Jun-2021	<0.0002	0.0707	<0.00002	-	-	-	-	-
MC-TP4-DC	7-Jun-2021	<0.0002	0.0728	<0.00002	-	-	-	-	-
MC-TP4-DC	8-Jun-2021	<0.0002	0.08	<0.00002	-	-	-	-	-
MC-TP4-DC	9-Jun-2021	<0.001	0.0728	<0.0001	-	-	-	-	-
MC-TP4-DC	10-Jun-2021	<0.001	0.0723	<0.0001	-	-	-	-	-
MC-TP4-DC	11-Jun-2021	<0.001	0.0765	<0.0001	-	-	-	-	-
MC-TP4-DC	12-Jun-2021	<0.001	0.0662	<0.0001	-	-	-	-	-
MC-TP4-DC	12-Jun-2021	<0.0002	0.0606	<0.00002	-	-	-	-	-
MC-TP4-DC	13-Jun-2021	<0.001	0.0683	<0.0001	-	-	-	-	-
MC-TP4-DC	14-Jun-2021	<0.001	0.0735	<0.0001	-	-	-	-	-
MC-TP4-DC	15-Jun-2021	<0.0002	0.0423	<0.00002	-	-	-	-	-
MC-TP4-DC	16-Jun-2021	<0.0002	0.0441	<0.00002	-	-	-	-	-
MC-TP4-DC	17-Jun-2021	<0.0002	0.0441	<0.00002	-	-	-	-	-
MC-TP4-DC	18-Jun-2021	<0.0002	0.04	<0.00002	-	-	-	-	-
MC-TP4-DC	19-Jun-2021	<0.0002	0.0419	<0.00002	-	-	-	-	-
MC-TP4-DC	20-Jun-2021	<0.0002	0.0462	<0.00002	-	-	-	-	-
MC-TP4-DC	21-Jun-2021	<0.0002	0.0487	<0.00002	-	-	-	-	-
MC-TP4-DC	22-Jun-2021	<0.0002	0.0501	<0.00002	-	-	-	-	-
MC-TP4-DC	23-Jun-2021	<0.0002	0.0324	<0.00002	-	-	-	-	-
MC-TP4-DC	24-Jun-2021	<0.0002	0.0351	<0.00002	-	-	-	-	-
MC-TP4-DC	25-Jun-2021	<0.0002	0.0408	<0.00002	-	-	-	-	-
MC-TP4-DC	26-Jun-2021	<0.0002	0.0437	<0.00002	-	-	-	-	-
MC-TP4-DC	27-Jun-2021	<0.0002	0.0409	<0.00002	-	-	-	-	-
MC-TP4-DC	28-Jun-2021	<0.0002	0.0475	<0.00002	-	-	-	-	-
MC-TP4-DC	29-Jun-2021	<0.0002	0.049	<0.00002	-	-	-	-	-
MC-TP4-DC	30-Jun-2021	<0.0002	0.0477	<0.00002	-	-	-	-	-
MC-TP4-DC	1-Jul-2021	<0.0002	0.0595	<0.00002	-	-	-	-	-
MC-TP4-DC	2-Jul-2021	<0.0002	0.0675	<0.00002	-	-	-	-	-
MC-TP4-DC	3-Jul-2021	<0.0002	0.0666	<0.00002	-	-	-	-	-
MC-TP4-DC	4-Jul-2021	<0.0002	0.066	<0.00002	-	-	-	-	-
MC-TP4-DC	5-Jul-2021	<0.0002	0.0795	<0.00002	-	-	-	-	-
MC-TP4-DC	6-Jul-2021	<0.0002	0.0409	<0.00002	-	-	-	-	-
MC-TP4-DC	7-Jul-2021	<0.0002	0.055	<0.00002	-	-	-	-	-
MC-TP4-DC	8-Jul-2021	<0.0002	0.0645	<0.00002	-	-	-	-	-
MC-TP4-DC	9-Jul-2021	<0.0002	0.0448	<0.00002	-	-	-	-	-
MC-TP4-DC	10-Jul-2021	<0.0002	0.0449	<0.00002	-	-	-	-	-
MC-TP4-DC	11-Jul-2021	<0.0002	0.0649	<0.00002	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21G1792	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	12-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G1792	8	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	13-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G2915	1	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	14-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G2915	2	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	15-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G2915	3	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	16-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G2915	4	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	17-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G2915	5	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	18-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G2915	6	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	19-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G2915	7	No	Regular	MP-TP4 DC (E206805)	MC-TP4-DC	20-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G3656	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	21-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G3656	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	22-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G3656	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	23-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G3656	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	24-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G3656	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	25-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G3656	7	No	Replicate	MC-TP4 DC D (E206805)	MC-TP4-DC	26-Jul-2021	-	-	-	-	-	-	-	-	-	-
21G3656	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	26-Jul-2021	-	-	-	-	-	-	-	-	-	-
21H0418	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	27-Jul-2021	-	-	-	-	-	-	-	-	-	-
21H0418	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	28-Jul-2021	-	-	-	-	-	-	-	-	-	-
21H0418	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	29-Jul-2021	-	-	-	-	-	-	-	-	-	-
21H0418	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	30-Jul-2021	-	-	-	-	-	-	-	-	-	-
21H0418	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	31-Jul-2021	-	-	-	-	-	-	-	-	-	-
21H0418	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	1-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H0418	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	2-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H0418	8	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	3-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H1498	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	4-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H1498	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	5-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H1498	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	6-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H1498	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	7-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H1498	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	8-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H1498	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	9-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H1498	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	10-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2463	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	11-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2463	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	12-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2463	3	No	Replicate	MC-TP4 DC D (E206805)	MC-TP4-DC	12-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2463	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	13-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2463	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	14-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2463	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	15-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2463	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	16-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2963	1	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	17-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2963	2	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	18-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2963	3	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	19-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2963	4	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	20-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2963	5	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	21-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2963	6	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	22-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2963	7	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	23-Aug-2021	-	-	-	-	-	-	-	-	-	-
21I0482	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	24-Aug-2021	-	-	-	-	-	-	-	-	-	-
21I0482	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	25-Aug-2021	-	-	-	-	-	-	-	-	-	-
21I0482	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	26-Aug-2021	-	-	-	-	-	-	-	-	-	-
21I0482	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	27-Aug-2021	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MC-TP4-DC	12-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0337	10.4	0.0002	0.0051	0.0164
MC-TP4-DC	13-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0275	11	0.00016	0.0056	0.0191
MC-TP4-DC	14-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0506	13.4	<0.0005	<0.05	0.0184
MC-TP4-DC	15-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0309	12.7	<0.0005	<0.05	0.0198
MC-TP4-DC	16-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0609	22.1	<0.0005	<0.05	0.0211
MC-TP4-DC	17-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0367	12.9	<0.0005	<0.05	0.0202
MC-TP4-DC	18-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0247	12.2	<0.0005	<0.05	0.0176
MC-TP4-DC	19-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0327	17	<0.0005	<0.05	0.0211
MC-TP4-DC	20-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0413	15.7	<0.0005	<0.05	0.0232
MC-TP4-DC	21-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0523	15.4	0.00021	0.0106	0.0239
MC-TP4-DC	22-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0393	18.1	0.000209	0.0115	0.0248
MC-TP4-DC	23-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0299	19.5	0.000177	0.0107	0.0219
MC-TP4-DC	24-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0333	17	0.000173	0.0105	0.0234
MC-TP4-DC	25-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0548	16.6	0.000176	0.0095	0.0236
MC-TP4-DC	26-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.034	17.7	0.00018	0.0096	0.0253
MC-TP4-DC	26-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0365	17.8	0.000188	0.0094	0.0254
MC-TP4-DC	27-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0414	19.9	0.000207	0.0095	0.0235
MC-TP4-DC	28-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0277	19.4	0.00017	0.0086	0.0237
MC-TP4-DC	29-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0243	18.9	0.000169	0.0083	0.0242
MC-TP4-DC	30-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0238	19.3	0.000166	0.0082	0.0244
MC-TP4-DC	31-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0274	20.2	0.000156	0.0083	0.0249
MC-TP4-DC	1-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0318	20.1	0.000157	0.0084	0.0252
MC-TP4-DC	2-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0239	20.1	0.000167	0.0085	0.0244
MC-TP4-DC	3-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0276	20	0.000165	0.0083	0.025
MC-TP4-DC	4-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0339	25.9	0.000193	0.0122	0.0282
MC-TP4-DC	5-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0275	25.1	0.000161	0.011	0.0272
MC-TP4-DC	6-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0333	24	0.000161	0.0099	0.027
MC-TP4-DC	7-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0342	23.4	0.000141	0.0095	0.0276
MC-TP4-DC	8-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0255	25.5	0.000164	0.01	0.0282
MC-TP4-DC	9-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0282	24.2	0.000161	0.0097	0.0276
MC-TP4-DC	10-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0274	21.9	0.000191	0.0092	0.0285
MC-TP4-DC	11-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.033	24.6	0.000214	0.0104	0.029
MC-TP4-DC	12-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0273	20.5	0.000161	0.0085	0.0261
MC-TP4-DC	12-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0273	19.3	0.00016	0.0083	0.026
MC-TP4-DC	13-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0398	20.6	0.0002	0.0084	0.0267
MC-TP4-DC	14-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0353	27.5	0.000196	0.0106	0.0301
MC-TP4-DC	15-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.033	28.9	0.0002	0.0122	0.0314
MC-TP4-DC	16-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0355	31.3	0.000193	0.0135	0.0324
MC-TP4-DC	17-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0381	28.5	0.000181	0.0228	0.0327
MC-TP4-DC	18-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0277	34	0.000199	0.0194	0.0307
MC-TP4-DC	19-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0363	34.4	0.000192	0.0173	0.0365
MC-TP4-DC	20-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0309	28.9	0.00016	0.0129	0.0324
MC-TP4-DC	21-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0353	33.9	0.000169	0.0136	0.0365
MC-TP4-DC	22-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0329	41.1	0.000168	0.0148	0.0376
MC-TP4-DC	23-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0322	42.9	0.000192	0.0151	0.0388
MC-TP4-DC	24-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0257	42.6	<0.0005	<0.05	0.0433
MC-TP4-DC	25-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.026	41.2	<0.0005	<0.05	0.0474
MC-TP4-DC	26-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0249	38.1	<0.0005	<0.05	0.0417
MC-TP4-DC	27-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0231	40.4	<0.0005	<0.05	0.042

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MC-TP4-DC	12-Jul-2021	<0.00001	<0.00001	0.000185	17.8	0.00014	0.0000956	0.00168	0.0092	0.017	0.000204	1.4	0.0585	0.000981	0.000256	0.000119	0.57	0.00032	<0.00005	1.37	<0.00001	1.56	0.042
MC-TP4-DC	13-Jul-2021	<0.00001	<0.00001	0.000188	18.8	0.00013	0.000046	0.00169	0.0115	0.016	0.000243	1.51	0.00817	0.00103	0.000185	0.000132	0.579	0.00038	<0.00005	1.38	<0.00001	1.61	0.0447
MC-TP4-DC	14-Jul-2021	<0.0001	<0.0001	0.000222	19.8	<0.0005	<0.0001	0.00184	0.052	<0.05	0.00029	1.76	0.0152	0.00101	<0.0004	0.00065	0.7	<0.0005	<0.0002	1.7	<0.00005	1.88	0.0478
MC-TP4-DC	15-Jul-2021	<0.0001	<0.0001	0.000236	20.8	<0.0005	<0.0001	0.00309	0.011	<0.05	0.0003	1.86	0.00452	0.00104	<0.0004	<0.0002	0.78	<0.0005	<0.0002	1.8	<0.00005	2.04	0.0516
MC-TP4-DC	16-Jul-2021	<0.0001	<0.0001	0.000266	22.9	<0.0005	<0.0001	0.00157	0.076	<0.05	0.00036	2.02	0.0175	0.0012	0.00042	0.00144	0.93	0.00081	<0.0002	1.8	<0.00005	2.35	0.0577
MC-TP4-DC	17-Jul-2021	<0.0001	<0.0001	0.000249	19.7	<0.0005	<0.0001	0.0032	0.024	<0.05	0.00027	1.67	0.00511	0.00103	<0.0004	0.00035	0.78	0.0005	0.00123	1.6	<0.00005	2	0.0467
MC-TP4-DC	18-Jul-2021	<0.0001	<0.0001	0.000213	19.3	<0.0005	<0.0001	0.00163	0.011	<0.05	0.00026	1.63	0.00556	0.00103	<0.0004	<0.0002	0.68	0.00054	<0.0002	1.7	<0.00005	1.89	0.0447
MC-TP4-DC	19-Jul-2021	<0.0001	<0.0001	0.000261	23.7	<0.0005	<0.0001	0.0017	0.013	<0.05	0.00034	2.13	0.00843	0.00138	<0.0004	<0.0002	0.96	0.0018	<0.0002	1.8	<0.00005	2.57	0.0589
MC-TP4-DC	20-Jul-2021	<0.0001	<0.0001	0.000314	22.5	<0.0005	<0.0001	0.00328	0.028	<0.05	0.00034	1.93	0.00741	0.00149	<0.0004	0.00047	1	0.00326	<0.0002	1.9	<0.00005	2.66	0.0543
MC-TP4-DC	21-Jul-2021	<0.00001	<0.00001	0.000276	23.4	0.00015	0.0000379	0.00209	0.0206	0.014	0.000338	1.76	0.00893	0.00164	0.000125	0.00022	0.94	0.00064	<0.00005	1.72	<0.00001	2.65	0.0575
MC-TP4-DC	22-Jul-2021	<0.00001	<0.00001	0.000216	26.6	0.00014	0.0000628	0.00148	0.0141	0.013	0.000411	2.16	0.0359	0.00179	0.000275	0.00013	1.07	0.00064	<0.00005	1.87	<0.00001	3.07	0.0696
MC-TP4-DC	23-Jul-2021	<0.00001	<0.00001	0.000259	26.6	0.00018	0.0000623	0.00121	0.0122	0.012	0.000399	2.23	0.104	0.00167	0.000324	0.000083	1.03	0.00061	<0.00005	1.82	<0.00001	3.02	0.0701
MC-TP4-DC	24-Jul-2021	<0.00001	<0.00001	0.000208	26.8	0.00014	0.00013	0.00133	0.0185	<0.01	0.000424	2.1	0.0615	0.00135	0.00027	0.000125	0.857	0.00056	<0.00005	1.7	<0.00001	2.67	0.064
MC-TP4-DC	25-Jul-2021	<0.00001	<0.00001	0.000237	24.2	0.00016	0.000121	0.0139	0.0401	<0.01	0.000406	2.05	0.0282	0.00131	0.000217	0.00021	0.821	0.00057	<0.00005	1.73	<0.00001	2.62	0.0636
MC-TP4-DC	26-Jul-2021	<0.00001	<0.00001	0.000295	25.3	0.00015	0.0000423	0.00191	0.0226	0.01	0.000407	2	0.00852	0.00146	0.00017	0.000223	0.85	0.00063	<0.00005	1.76	<0.00001	2.87	0.066
MC-TP4-DC	26-Jul-2021	<0.00001	<0.00001	0.000295	24.7	0.00016	0.0000481	0.00195	0.0269	0.016	0.000405	2.02	0.00864	0.00147	0.000176	0.000223	0.869	0.00067	<0.00005	1.77	<0.00001	2.88	0.0665
MC-TP4-DC	27-Jul-2021	<0.00001	<0.00001	0.000199	27.1	0.00014	0.0000458	0.00212	0.0176	<0.01	0.000427	2.3	0.0241	0.00155	0.000319	0.000332	1.02	0.00067	<0.00005	1.72	<0.00001	3.19	0.0719
MC-TP4-DC	28-Jul-2021	<0.00001	<0.00001	0.000264	26.8	0.00015	0.0000479	0.00179	0.0076	<0.01	0.000417	2.22	0.0198	0.00144	0.000466	0.000195	0.96	0.00053	<0.00005	1.73	0.000018	3.03	0.0697
MC-TP4-DC	29-Jul-2021	<0.00001	<0.00001	0.00028	26.1	0.00015	0.0000225	0.00184	0.0062	0.04	0.000406	2.21	0.00578	0.00135	0.000295	0.000101	0.922	0.00059	<0.00005	1.75	<0.00001	3.03	0.0669
MC-TP4-DC	30-Jul-2021	<0.00001	<0.00001	0.00028	26.6	0.00018	0.0000364	0.00202	0.0078	<0.01	0.000414	2.27	0.0221	0.00133	0.000282	0.000134	0.927	0.00056	<0.00005	1.7	<0.00001	3.15	0.0677
MC-TP4-DC	31-Jul-2021	<0.00001	<0.00001	0.000249	27	0.00012	0.0000553	0.0016	0.0064	<0.01	0.000432	2.39	0.0287	0.00142	0.000319	0.000124	0.971	0.00053	<0.00005	1.87	<0.00001	3.14	0.069
MC-TP4-DC	1-Aug-2021	<0.00001	<0.00001	0.000296	26.3	0.00019	0.0000304	0.00194	0.0072	<0.01	0.00043	2.32	0.00748	0.00143	0.000246	0.000106	0.986	0.00056	<0.00005	1.79	<0.00001	3.07	0.0672
MC-TP4-DC	2-Aug-2021	<0.00001	<0.00001	0.000301	26.8	0.00014	0.0000486	0.00199	0.0041	<0.01	0.000411	2.31	0.017	0.00144	0.000297	0.000094	0.978	0.00062	<0.00005	1.66	<0.00001	3.06	0.0664
MC-TP4-DC	3-Aug-2021	<0.00001	<0.00001	0.000323	26.9	0.00013	0.0000654	0.00299	0.0103	<0.01	0.0004	2.31	0.0201	0.00141	0.000334	0.000195	0.974	0.00063	<0.00005	1.75	0.00001	3.07	0.0669
MC-TP4-DC	4-Aug-2021	<0.00001	<0.00001	0.000315	29.2	0.00023	0.0000604	0.00235	0.0151	<0.01	0.000478	2.71	0.00995	0.00162	0.00346	0.000305	1.21	0.00058	0.000112	2.12	0.000095	3.93	0.0733
MC-TP4-DC	5-Aug-2021	<0.00001	<0.00001	0.000271	28.7	0.00013	0.0000746	0.00197	0.0077	<0.01	0.000455	2.63	0.0448	0.00153	0.000311	0.000095	1.11	0.00073	<0.00005	2.14	<0.00001	3.68	0.0726
MC-TP4-DC	6-Aug-2021	<0.00001	<0.00001	0.000356	27.8	0.00018	0.0000505	0.00262	0.0193	<0.01	0.000398	2.55	0.0116	0.00131	0.000275	0.000224	1.01	0.00054	<0.00005	2.02	<0.00001	3.36	0.0684
MC-TP4-DC	7-Aug-2021	<0.00001	<0.00001	0.000324	27.5	0.00013	0.0000593	0.00208	0.0127	<0.01	0.000373	2.51	0.0191	0.00132	0.000288	0.000265	0.999	0.0005	<0.00005	1.99	<0.00001	3.3	0.0681
MC-TP4-DC	8-Aug-2021	<0.00001	<0.00001	0.000338	29.2	0.00014	0.0000535	0.0017	0.0112	<0.01	0.000426	2.7	0.0118	0.00148	0.000253	0.000091	1.15	0.00084	<0.00005	2.13	<0.00001	3.66	0.0739
MC-TP4-DC	9-Aug-2021	<0.00001	<0.00001	0.000371	28.4	0.00018	0.0000656	0.00215	0.0119	<0.01	0.000373	2.63	0.0142	0.00135	0.000318	0.000144	1.06	0.00082	<0.00005	2.05	<0.00001	3.42	0.0695
MC-TP4-DC	10-Aug-2021	<0.00001	<0.00001	0.000396	27.6	0.00015	0.0000737	0.00231	0.013	<0.01	0.000344	2.58	0.0162	0.00125	0.000306	0.000161	0.979	0.00067	<0.00005	2.1	<0.00001	3.24	0.0662
MC-TP4-DC	11-Aug-2021	<0.00001	<0.00001	0.000367	30	0.00018	0.0000503	0.00226	0.0223	<0.01	0.000395	2.6	0.0126	0.00131	0.000332	0.000165	1.09	0.00049	<0.00005	1.88	<0.00001	3.65	0.0733
MC-TP4-DC	12-Aug-2021	<0.00001	<0.00001	0.000344	24.7	0.0002	0.0000605	0.00251	0.0087	<0.01	0.000296	2.17	0.0183	0.00102	0.000357	0.000067	0.804	0.00035	<0.00005	1.85	<0.00001	2.83	0.0586
MC-TP4-DC	12-Aug-2021	<0.00001	<0.00001	0.000334	25.2	0.00019	0.0000624	0.00167	0.0106	<0.01	0.000298	2.18	0.0186	0.00102	0.000363	0.000072	0.813	0.00042	<0.00005	1.78	<0.00001	2.86	0.0596
MC-TP4-DC	13-Aug-2021	<0.00001	<0.00001	0.00034	25.7	0.00023	0.000106	0.00196	0.0244	<0.01	0.000305	2.25	0.0305	0.000994	0.000366	0.000247	0.811	0.00031	<0.00005	1.93	<0.00001	2.85	0.0604
MC-TP4-DC	14-Aug-2021	<0.00001	<0.00001	0.000346	32.7	0.00017	0.0000814	0.00234	0.0149	<0.01	0.000417	2.9	0.0276	0.00131	0.000464	0.000183	1.11	0.00047	<0.00005	2.09	<0.00001	3.84	0.0841
MC-TP4-DC	15-Aug-2021	<0.00001	<0.00001	0.000453	34.1	0.00019	0.0000673	0.00205	0.035	<0.01	0.000492	3.04	0.0178	0.00155	0.000404	0.000174	1.35	0.00058	<0.00005	1.97	0.000011	4.03	0.09
MC-TP4-DC	16-Aug-2021	<0.00001	<0.00001	0.000487	35.1	0.0002	0.0000831	0.00289	0.0229	<0.01	0.000523	3.09	0.0194	0.00196	0.000497	0.000167	1.68	0.00074	<0.00005	2.07	0.000015	4.37	0.0898
MC-TP4-DC	17-Aug-2021	<0.00001	<0.00001	0.000411	32.3	0.00015	0.0000811	0.00177	0.0229	0.012	0.000417	2.97	0.018	0.00199	0.000362	0.00016	1.56	0.00073	<0.00005	2.07	<0.00001	4.13	0.0864
MC-TP4-DC	18-Aug-2021	<0.00001	<0.00001	0.000365	36.9	0.00015	0.0000897	0.0014	0.0121	0.013	0.00048	3.48	0.0502	0.00247	0.000384	0.000161	1.98	0.00082	<0.00005	2.16	<0.00001	5.09	0.103
MC-TP4-DC	19-Aug-2021	<0.00001	<0.00001	0.000587	37	0.00012	0.000099	0.00264	0.0184	0.01	0.000504	3.68	0.0259	0.00217	0.000496	0.000185	1.86	0.00076	<0.00005	2.36	0.00001	5	0.104
MC-TP4-DC	20-Aug-2021	<0.00001	<0.00001	0.000488	31.8	0.00014	0.000143	0.00187	0.013	<0.01	0.000345	3.19	0.061	0.00142	0.000588	0.000139	1.2	0.00057	<0.00005	1.91	<0.00001	3.64	0.0829
MC-TP4-DC	21-Aug-2021	<0.00001	<0.00001	0.000625	38	0.00019	0.000114	0.00324	0.0262	<0.01	0.000482	3.99	0.0289	0.0016	0.000533	0.000431	1.43	0.00056	<0.00005	2.09	0.000011	4.37	0.104
MC-TP4-DC	22-Aug-2021	<0.00001	<0.00001	0.000643	43	0.00053	0.000101	0.00412	0.0366	<0.01	0.0006	4.67	0.0267	0.00184	0.000767	0.0002	1.58	0.0007	<0.00005	2.15	<0.00001	5.05	0.124
MC-TP4-DC	23-Aug-2021	<0.00001	<0.00001	0.000658	44	0.00028	0.000155	0.00362	0.0247	<0.01	0.00061	4.68	0.0386	0.00185	0.000769	0.000342	1.87	0.00073	<0.00005	2.36	0.000013	5.38	0.126
MC-TP4-DC	24-Aug-2021	<0.0001	<0.0001	0.0008	47.8	<0.0005	0.00016	0.00273	<0.01	0.098	0.00073	4.69	0.0408	0.0021	0.00074	<0.0002	1.84	0.00058	<0.0002	2.8	<0.00005	6.01	0.128
MC-TP4-DC	25-Aug-2021	<0.0001	<0.0001	0.000642	47.6	<0.0005	0.00016	0.00217	<0.01	<0.05	0.00071	4.65	0.051	0.00219	0.0007	<0.0002	1.96	0.00065	<0.0002	2.6	<0.00005	6.33	0.129
MC-TP4-DC	26-Aug-2021	<0.0001	<0.0001	0.000797	44	<0.0005	0.00014	0.0032	<0.01	<0.05	0.0006	4.11	0.0329	0.00183	0.00069	<0.0002	1.57	0.00058	<0.0002	2.5	<0.00005	5.27	0.112
MC-TP4-DC	27-Aug-2021	<0.0001	<0.0001	0.000758	46.6	<0.0005	0.00029	0.00233	<0.01	<0.05	0.00067	4.44	0.0347	0.00203	0.00058	<0.0002	1.75	0.00067	<0.0002	2.6	<0.00005	5.9	0.12

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MC-TP4-DC	12-Jul-2021	0.000089	<0.000004	<0.00001	<0.0002	<0.0002	0.0000063	<0.0002	0.0517	<0.00002	-	0.0243	9.44	0.000151	0.0053	<0.00001	<0.00001	0.0149	0.000157	16.3	0.00019	0.0000627	0.00153	0.0047
MC-TP4-DC	13-Jul-2021	0.000084	<0.000004	<0.00001	<0.0002	<0.0002	0.0000085	<0.0002	0.0714	<0.00002	-	0.023	9.92	0.000149	0.0055	<0.00001	<0.00001	0.0172	0.000165	16.8	0.00015	0.0000393	0.00178	0.0054
MC-TP4-DC	14-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0822	<0.0001	-	0.0436	11.3	<0.0005	<0.05	<0.0001	<0.0001	0.0179	0.000198	19.9	<0.0005	<0.0001	0.00161	0.04
MC-TP4-DC	15-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0815	<0.0001	-	0.0283	11.3	<0.0005	<0.05	<0.0001	<0.0001	0.0198	0.00021	21.2	<0.0005	<0.0001	0.00266	<0.01
MC-TP4-DC	16-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.115	<0.0001	-	0.0372	19.9	<0.0005	<0.05	<0.0001	<0.0001	0.0203	0.000253	22.7	<0.0005	<0.0001	0.0013	0.052
MC-TP4-DC	17-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0974	<0.0001	-	0.0239	11.4	<0.0005	<0.05	<0.0001	<0.0001	0.0185	0.000222	19.9	<0.0005	<0.0001	0.00246	<0.01
MC-TP4-DC	18-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0876	<0.0001	-	0.0185	11.2	<0.0005	<0.05	<0.0001	<0.0001	0.017	0.000199	19.6	<0.0005	<0.0001	0.00156	<0.01
MC-TP4-DC	19-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.104	<0.0001	-	0.0254	16.2	<0.0005	<0.05	<0.0001	<0.0001	0.0208	0.000233	23.9	<0.0005	<0.0001	0.0017	<0.01
MC-TP4-DC	20-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.119	<0.0001	-	0.0265	14.3	<0.0005	<0.05	<0.0001	<0.0001	0.0211	0.000266	22.8	<0.0005	<0.0001	0.00243	<0.01
MC-TP4-DC	21-Jul-2021	0.000065	<0.000004	<0.00001	0.00055	<0.0002	0.0000111	<0.0002	0.0807	<0.00002	-	0.0403	14.4	0.000162	0.01	<0.00001	<0.00001	0.0227	0.000245	21.7	0.00016	0.0000224	0.00222	0.0062
MC-TP4-DC	22-Jul-2021	<0.00005	<0.000004	<0.00001	0.00031	<0.0002	0.0000076	<0.0002	0.0661	<0.00002	-	0.0332	17.7	0.00019	0.0101	<0.00001	<0.00001	0.0229	0.000198	24.2	0.00016	0.0000464	0.00155	0.0078
MC-TP4-DC	23-Jul-2021	0.00005	<0.000004	<0.00001	0.00031	<0.0002	0.0000069	<0.0002	0.0609	<0.00002	-	0.0222	17.4	0.000169	0.0094	<0.00001	<0.00001	0.0198	0.000239	24.4	0.00014	0.0000505	0.00146	<0.002
MC-TP4-DC	24-Jul-2021	0.000053	<0.000004	<0.00001	0.00049	<0.0002	0.0000072	<0.0002	0.0674	<0.00002	-	0.0221	16.1	0.000172	0.0088	0.00001	<0.00001	0.0216	0.000197	23.5	0.00011	0.0000973	0.00135	0.003
MC-TP4-DC	25-Jul-2021	<0.00005	<0.000004	<0.00001	0.00063	<0.0002	0.0000077	<0.0002	0.0841	<0.00002	-	0.0304	16.1	0.000169	0.0086	<0.00001	<0.00001	0.0222	0.000226	23.1	0.00016	0.00011	0.00118	0.0085
MC-TP4-DC	26-Jul-2021	0.000054	<0.000004	<0.00001	0.0006	<0.0002	0.0000095	<0.0002	0.0984	<0.00002	-	0.021	16.7	0.000158	0.0084	<0.00001	<0.00001	0.0225	0.000254	23.2	0.00014	0.0000334	0.00154	0.0038
MC-TP4-DC	26-Jul-2021	0.000084	<0.000004	<0.00001	0.00053	<0.0002	0.0000087	<0.0002	0.102	<0.00002	-	0.0241	16.1	0.000153	0.0083	<0.00001	<0.00001	0.0226	0.000269	23.3	0.00013	0.0000288	0.00145	0.0048
MC-TP4-DC	27-Jul-2021	<0.00005	<0.000004	<0.00001	0.00026	<0.0002	0.0000075	<0.0002	0.0677	<0.00002	-	0.0331	20.9	0.000186	0.0087	<0.00001	<0.00001	0.0243	0.000211	27.7	0.00015	0.000024	0.0028	0.0032
MC-TP4-DC	28-Jul-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000081	<0.0002	0.0921	<0.00002	-	0.0242	20.4	0.000183	0.0071	<0.00001	<0.00001	0.0241	0.00026	27.3	0.00013	0.0000347	0.00164	<0.002
MC-TP4-DC	29-Jul-2021	<0.00005	<0.000004	<0.00001	<0.0002	0.00035	0.0000081	<0.0002	0.0991	<0.00002	-	0.0227	19.8	0.000157	0.0068	<0.00001	<0.00001	0.0232	0.00027	26.6	0.00014	0.0000115	0.00171	0.0021
MC-TP4-DC	30-Jul-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000081	<0.0002	0.0954	<0.00002	-	0.0218	20.3	0.000165	0.0067	<0.00001	<0.00001	0.0242	0.000285	27.2	0.00015	0.0000247	0.00191	0.0022
MC-TP4-DC	31-Jul-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000082	<0.0002	0.0949	<0.00002	-	0.0255	21.7	0.000159	0.0069	<0.00001	<0.00001	0.0247	0.000253	27.9	0.00013	0.0000397	0.00155	0.0024
MC-TP4-DC	1-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000081	<0.0002	0.111	<0.00002	-	0.0229	21	0.000158	0.0071	<0.00001	<0.00001	0.0252	0.000292	26.9	0.00016	0.0000282	0.00182	0.0031
MC-TP4-DC	2-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000076	<0.0002	0.112	<0.00002	-	0.0224	21.1	0.000164	0.0072	<0.00001	<0.00001	0.0249	0.000313	27.4	0.00016	0.0000529	0.00212	<0.002
MC-TP4-DC	3-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000085	<0.0002	0.124	<0.00002	-	0.0223	21.6	0.000159	0.0071	<0.00001	<0.00001	0.0257	0.00035	27.5	0.00017	0.0000634	0.0028	0.0028
MC-TP4-DC	4-Aug-2021	<0.00005	0.0000062	<0.00001	0.00044	<0.0002	0.0000086	<0.0002	0.123	0.00002	-	0.0236	24.6	0.000181	0.0104	<0.00001	<0.00001	0.0269	0.000309	28.6	<0.0001	0.0000437	0.00229	0.0033
MC-TP4-DC	5-Aug-2021	0.000074	<0.000004	<0.00001	<0.0002	<0.0002	0.0000078	0.00022	0.107	<0.00002	-	0.0251	24.6	0.000155	0.0094	<0.00001	<0.00001	0.0257	0.000253	27.8	0.0002	0.0000571	0.00204	0.0031
MC-TP4-DC	6-Aug-2021	0.000061	<0.000004	<0.00001	0.00026	<0.0002	0.0000099	<0.0002	0.136	<0.00002	-	0.0217	22.7	0.000127	0.0084	<0.00001	<0.00001	0.0265	0.000337	26.8	0.00013	0.0000384	0.00182	0.0026
MC-TP4-DC	7-Aug-2021	0.000087	<0.000004	<0.00001	<0.0002	<0.0002	0.0000097	<0.0002	0.115	<0.00002	-	0.0257	23.5	0.000138	0.0082	<0.00001	<0.00001	0.0267	0.000302	26.5	0.00015	0.0000503	0.00179	0.0031
MC-TP4-DC	8-Aug-2021	<0.00005	<0.000004	<0.00001	0.00022	<0.0002	0.0000075	<0.0002	0.125	<0.00002	-	0.0201	24.8	0.000156	0.009	<0.00001	<0.00001	0.0265	0.000338	28.3	0.00017	0.0000468	0.00149	0.0029
MC-TP4-DC	9-Aug-2021	0.000086	<0.000004	<0.00001	0.00026	<0.0002	0.0000093	0.00023	0.148	<0.00002	-	0.0206	24.2	0.000176	0.0087	<0.00001	<0.00001	0.0273	0.000386	27.5	0.00014	0.0000586	0.00186	0.0032
MC-TP4-DC	10-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000092	0.00024	0.156	<0.00002	-	0.0191	22.1	0.000137	0.0086	<0.00001	<0.00001	0.0271	0.000379	26.9	0.00017	0.000067	0.0031	0.0029
MC-TP4-DC	11-Aug-2021	0.000089	<0.000004	<0.00001	0.00039	<0.0002	0.0000107	<0.0002	0.131	<0.00002	-	0.0211	22.5	0.00015	0.0092	<0.00001	<0.00001	0.0273	0.000325	28.8	0.00013	0.0000429	0.0019	0.0031
MC-TP4-DC	12-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000078	<0.0002	0.12	<0.00002	-	0.0225	18.7	0.000158	0.0079	<0.00001	<0.00001	0.0259	0.00033	25	0.00017	0.0000476	0.00161	0.0031
MC-TP4-DC	12-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000075	<0.0002	0.123	<0.00002	-	0.0226	19.6	0.000165	0.0078	<0.00001	<0.00001	0.0266	0.000343	24.7	0.00015	0.0000534	0.00163	0.0027
MC-TP4-DC	13-Aug-2021	<0.00005	<0.000004	<0.00001	0.00037	<0.0002	0.000008	<0.0002	0.125	<0.00002	-	0.0276	19.3	0.000137	0.0072	<0.00001	<0.00001	0.0258	0.000326	24.8	0.00014	0.0000817	0.00158	0.0028
MC-TP4-DC	14-Aug-2021	<0.00005	<0.000004	<0.00001	0.00032	<0.0002	0.0000104	<0.0002	0.126	<0.00002	-	0.0255	26.9	0.000162	0.0101	<0.00001	<0.00001	0.029	0.000317	31.2	0.00015	0.0000669	0.00189	0.0035
MC-TP4-DC	15-Aug-2021	<0.00005	<0.000004	<0.00001	0.00044	<0.0002	0.0000095	<0.0002	0.178	<0.00002	-	0.0241	27.7	0.000151	0.012	<0.00001	<0.00001	0.0304	0.00042	34.6	0.00021	0.0000603	0.00142	0.0043
MC-TP4-DC	16-Aug-2021	<0.00005	0.0000044	<0.00001	0.00055	<0.0002	0.0000114	<0.0002	0.19	<0.00002	-	0.0204	29.4	0.000153	0.0124	<0.00001	<0.00001	0.0318	0.000467	32.7	0.00017	0.0000687	0.00243	0.0042
MC-TP4-DC	17-Aug-2021	<0.00005	<0.000004	<0.00001	0.00046	<0.0002	0.0000117	<0.0002	0.174	<0.00002	-	0.0245	27.9	0.000161	0.0133	<0.00001	<0.00001	0.0305	0.000389	33.4	0.00016	0.0000702	0.0021	0.0046
MC-TP4-DC	18-Aug-2021	<0.00005	0.0000051	<0.00001	0.00029	<0.0002	0.0000097	<0.0002	0.116	<0.00002	-	0.0211	34.8	0.000178	0.0147	<0.00001	<0.00001	0.0299	0.000367	36.1	0.00017	0.0000767	0.00127	<0.002
MC-TP4-DC	19-Aug-2021	<0.00005	0.000006	<0.00001	<0.0002	<0.0002	0.000013	<0.0002	0.23	<0.00002	-	0.0271	35.8	0.000171	0.0141	<0.00001	<0.00001	0.0343	0.000545	36.6	0.00013	0.0000892	0.0021	0.0054
MC-TP4-DC	20-Aug-2021	<0.00005	0.0000043	<0.00001	<0.0002	<0.0002	0.0000111	<0.0002	0.204	<0.00002	-	0.0246	27.4	0.000161	0.0099	<0.00001	<0.00001	0.0296	0.000454	29.9	0.00012	0.000128	0.0017	0.004
MC-TP4-DC	21-Aug-2021	<0.00005	0.0000061	<0.00001	0.00026	<0.0002	0.0000128	<0.0002	0.256	<0.00002	-	0.019	32.4	0.000143	0.0111	<0.00001	<0.00001	0.0327	0.000563	36.1	0.00016	0.0000889	0.00228	0.0042
MC-TP4-DC	22-Aug-2021	<0.00005	0.0000079	<0.00001	0.00056	<0.0002	0.0000148	<0.0002	0.265	<0.00002	-	0.0216	39.4	0.000135	0.0122	<0.00001	<0.00001	0.0347	0.000608	39.7	0.00011	0.0000943	0.00323	0.0034
MC-TP4-DC	23-Aug-2021	<0.00005	0.0000082	<0.00001	0.00069	<0.0002	0.000012	<0.0002	0.263	<0.00002	-	0.0163	42.4	0.000131	0.0136	<0.00001	<0.00001	0.036	0.000592	41.8	0.00019	0.000146	0.00283	0.0035
MC-TP4-DC	24-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.316	<0.0001	-	0.0185	34.4	<0.0005	<0.05	<0.0001	<0.0001	0.0404	0.000711	43.6	<0.0005	0.00015	0.00277	<0.01
MC-TP4-DC	25-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.263	<0.0001	-	0.0199	38.5	<0.0005	<0.05	<0.0001	<0.0001	0.0403	0.0006	45.2	<0.0005	0.00016	0.00227	<0.01
MC-TP4-DC	26-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.33	<0.0001	-	0.0207	34.5	<0.0005	<0.05	<0.0001	<0.0001	0.0398	0.000696	42.2	<0.0005	0.00014	0.00321	<0.01
MC-TP4-DC	27-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.297	<0.0001	-	0.0212	37.8	<0.0005	<0.05	<0.0001	<0.0001	0.0408	0.000711	45.4	<0.0005	0.00015	0.0023	<0.01

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MC-TP4-DC	12-Jul-2021	<0.01	0.000195	1.27	0.0515	0.000849	0.00025	0.000076	0.498	0.000767	0.00037	1.34	0.0384	<0.00005	<0.00001	1.47	0.000709	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000064
MC-TP4-DC	13-Jul-2021	<0.01	0.000205	1.4	0.00812	0.000867	0.000164	0.000081	0.512	0.000805	0.00038	1.4	0.0416	<0.00005	<0.00001	1.55	0.000738	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000068
MC-TP4-DC	14-Jul-2021	<0.05	0.00033	1.61	0.0118	0.00097	0.00176	0.00036	0.6	0.00088	<0.0005	1.5	0.0459	<0.0002	<0.00005	1.76	0.00082	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	15-Jul-2021	<0.05	0.00036	1.71	0.00341	0.00105	<0.0004	0.00034	0.64	0.00089	<0.0005	1.5	0.0488	<0.0002	<0.00005	1.93	0.00087	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	16-Jul-2021	<0.05	0.00039	1.88	0.0176	0.0012	<0.0004	0.00136	0.83	0.0011	<0.0005	1.7	0.0545	<0.0002	<0.00005	2.24	0.00107	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	17-Jul-2021	<0.05	0.00027	1.57	0.00321	0.00108	<0.0004	<0.0002	0.66	0.00087	<0.0005	1.6	0.0448	<0.0002	<0.00005	1.89	0.00084	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	18-Jul-2021	<0.05	0.00029	1.51	0.00447	0.00101	<0.0004	<0.0002	0.59	0.00074	<0.0005	1.6	0.0429	<0.0002	<0.00005	1.78	0.0007	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	19-Jul-2021	<0.05	0.00037	1.99	0.00741	0.00134	<0.0004	<0.0002	0.85	0.00104	0.00088	1.9	0.0564	<0.0002	<0.00005	2.46	0.00097	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	20-Jul-2021	<0.05	0.0003	1.75	0.00562	0.00146	<0.0004	0.0002	0.85	0.0009	0.00119	1.7	0.0514	<0.0002	<0.00005	2.46	0.00088	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	21-Jul-2021	<0.01	0.000318	1.73	0.00731	0.00159	0.000272	0.000201	0.908	0.00105	0.00073	1.61	0.0554	<0.00005	<0.00001	2.64	0.00102	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000092
MC-TP4-DC	22-Jul-2021	<0.01	0.00037	1.99	0.031	0.00166	0.000319	0.000137	0.956	0.00115	0.00079	1.65	0.0636	<0.00005	<0.00001	2.92	0.00107	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000063
MC-TP4-DC	23-Jul-2021	0.01	0.000359	2.08	0.0914	0.00148	0.000325	0.00011	0.93	0.00115	0.00067	1.63	0.0631	<0.00005	<0.00001	2.84	0.00101	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000056
MC-TP4-DC	24-Jul-2021	0.011	0.000363	2.03	0.0575	0.00132	0.000356	0.000074	0.804	0.000918	0.00058	1.62	0.0614	<0.00005	<0.00001	2.62	0.000861	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000051
MC-TP4-DC	25-Jul-2021	0.012	0.000378	1.99	0.0263	0.00125	0.000347	0.000079	0.779	0.000851	0.00063	1.64	0.0599	<0.00005	<0.00001	2.62	0.000792	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000058
MC-TP4-DC	26-Jul-2021	<0.01	0.000378	1.91	0.00715	0.00136	0.00022	0.000107	0.807	0.000841	0.00077	1.6	0.0606	<0.00005	<0.00001	2.74	0.000769	0.000054	<0.000004	<0.00001	<0.0002	<0.0002	0.0000074
MC-TP4-DC	26-Jul-2021	<0.01	0.00038	1.87	0.00696	0.00134	0.000222	0.000093	0.791	0.000847	0.00087	1.59	0.061	<0.00005	<0.00001	2.68	0.000766	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000078
MC-TP4-DC	27-Jul-2021	<0.01	0.000427	2.34	0.0223	0.00156	0.000375	0.000218	1.03	0.000781	0.0007	1.84	0.0757	<0.00005	<0.00001	3.29	0.000823	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000076
MC-TP4-DC	28-Jul-2021	<0.01	0.000418	2.31	0.0193	0.00148	0.000303	0.000086	0.965	0.00074	0.00067	1.8	0.0719	<0.00005	<0.00001	3.17	0.000756	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000079
MC-TP4-DC	29-Jul-2021	0.044	0.000422	2.22	0.00418	0.00139	0.000306	0.000069	0.908	0.000688	0.00062	1.84	0.0684	<0.00005	<0.00001	3	0.000704	<0.00005	<0.000004	<0.00001	<0.0002	0.00032	0.0000072
MC-TP4-DC	30-Jul-2021	<0.01	0.00043	2.33	0.0211	0.00137	0.000286	0.000094	0.929	0.000687	0.00059	1.82	0.0696	<0.00005	<0.00001	3.09	0.000707	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000071
MC-TP4-DC	31-Jul-2021	<0.01	0.000428	2.46	0.027	0.00143	0.000455	0.000067	0.972	0.000741	0.00059	1.88	0.0713	<0.00005	<0.00001	3.21	0.000775	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000077
MC-TP4-DC	1-Aug-2021	<0.01	0.000429	2.36	0.00715	0.00144	0.000596	0.00008	0.954	0.000833	0.0006	1.74	0.0688	<0.00005	<0.00001	3.11	0.00085	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000084
MC-TP4-DC	2-Aug-2021	<0.01	0.000427	2.39	0.0175	0.00147	0.00033	0.000092	0.97	0.00086	0.00066	1.81	0.0698	<0.00005	<0.00001	3.17	0.000911	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000074
MC-TP4-DC	3-Aug-2021	<0.01	0.000423	2.39	0.0203	0.00143	0.000485	0.000089	0.997	0.000861	0.00063	1.88	0.0698	<0.00005	<0.00001	3.12	0.000896	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000079
MC-TP4-DC	4-Aug-2021	<0.01	0.000457	2.63	0.00908	0.00163	0.000264	0.000152	1.12	0.00108	0.00063	2.07	0.0715	<0.00005	<0.00001	3.89	0.00102	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000071
MC-TP4-DC	5-Aug-2021	<0.01	0.000457	2.58	0.0411	0.0015	0.00033	0.000133	1.04	0.000958	0.00071	1.99	0.0698	<0.00005	<0.00001	3.62	0.000925	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000073
MC-TP4-DC	6-Aug-2021	<0.01	0.000381	2.52	0.00959	0.00125	0.000265	0.000079	0.962	0.000866	0.00061	1.92	0.0663	<0.00005	<0.00001	3.36	0.000814	0.000058	<0.000004	<0.00001	<0.0002	<0.0002	0.0000085
MC-TP4-DC	7-Aug-2021	<0.01	0.00036	2.5	0.0174	0.00128	0.000276	0.000155	0.969	0.000865	0.00046	1.87	0.0661	<0.00005	<0.00001	3.3	0.000897	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000079
MC-TP4-DC	8-Aug-2021	<0.01	0.000407	2.67	0.0107	0.00148	0.00029	0.0001	1.09	0.00108	0.0009	1.93	0.0713	<0.00005	<0.00001	3.67	0.00102	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000068
MC-TP4-DC	9-Aug-2021	<0.01	0.000373	2.67	0.0133	0.00132	0.000368	0.000055	1.04	0.000947	0.00074	1.91	0.0677	<0.00005	<0.00001	3.5	0.000936	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000086
MC-TP4-DC	10-Aug-2021	<0.01	0.000358	2.53	0.0149	0.00124	0.000293	0.000077	0.924	0.000903	0.00063	1.91	0.0641	<0.00005	<0.00001	3.21	0.000842	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000085
MC-TP4-DC	11-Aug-2021	<0.01	0.000376	2.42	0.0108	0.00128	0.00026	0.000141	0.972	0.000914	0.00024	1.92	0.0691	<0.00005	<0.00001	3.41	0.000826	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000084
MC-TP4-DC	12-Aug-2021	<0.01	0.000286	2.18	0.0171	0.00104	0.000336	0.000067	0.779	0.0006	0.00021	1.9	0.0586	<0.00005	<0.00001	2.85	0.00061	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000076
MC-TP4-DC	12-Aug-2021	<0.01	0.000278	2.17	0.0177	0.00102	0.000346	0.000084	0.797	0.00059	0.0002	1.84	0.06	<0.00005	<0.00001	2.86	0.00062	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000071
MC-TP4-DC	13-Aug-2021	<0.01	0.000281	2.15	0.0256	0.000994	0.000281	0.000085	0.726	0.000644	0.00024	1.93	0.0589	<0.00005	<0.00001	2.77	0.000538	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000076
MC-TP4-DC	14-Aug-2021	<0.01	0.0004	2.81	0.025	0.00124	0.000399	0.000093	1.05	0.000796	0.00028	2.08	0.0796	<0.00005	<0.00001	3.76	0.000723	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.00001
MC-TP4-DC	15-Aug-2021	<0.01	0.000514	2.97	0.0165	0.00155	0.000325	0.000085	1.29	0.00158	0.0005	2.17	0.0872	<0.00005	<0.00001	3.91	0.00103	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000086
MC-TP4-DC	16-Aug-2021	<0.01	0.000481	3	0.0184	0.00199	0.000454	0.00008	1.6	0.00141	0.0007	2.03	0.0887	<0.00005	0.000012	4.34	0.0014	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000095
MC-TP4-DC	17-Aug-2021	<0.01	0.000439	3.08	0.0167	0.00191	0.000473	0.00008	1.55	0.0015	0.00077	2.21	0.084	<0.00005	<0.00001	4.36	0.00144	<0.00005	<0.000004	<0.00001	0.0003	<0.0002	0.0000114
MC-TP4-DC	18-Aug-2021	<0.01	0.000511	3.55	0.0489	0.00238	0.000419	0.000061	1.91	0.00183	0.00084	2.19	0.1	<0.00005	<0.00001	5.19	0.0018	<0.00005	0.0000048	<0.00001	<0.0002	<0.0002	0.000008
MC-TP4-DC	19-Aug-2021	<0.01	0.000514	3.83	0.0254	0.00211	0.000517	0.000083	1.83	0.00162	0.00102	2.57	0.101	<0.00005	<0.00001	5.16	0.00156	<0.00005	0.000005	<0.00001	<0.0002	<0.0002	0.0000119
MC-TP4-DC	20-Aug-2021	<0.01	0.000363	3.14	0.0576	0.00136	0.000598	0.00026	1.16	0.001	0.00056	2.34	0.0775	<0.00005	<0.00001	3.64	0.000903	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000103
MC-TP4-DC	21-Aug-2021	<0.01	0.000472	3.86	0.0261	0.00142	0.000614	0.000113	1.3	0.00111	0.00066	2.34	0.0996	<0.00005	<0.00001	4.22	0.000944	<0.00005	0.0000053	<0.00001	<0.0002	<0.0002	0.000011
MC-TP4-DC	22-Aug-2021	<0.01	0.00059	4.64	0.0246	0.00152	0.000567	0.000108	1.5	0.0011	0.00064	2.5	0.116	<0.00005	<0.00001	5.08	0.00103	<0.00005	0.0000058	<0.00001	<0.0002	<0.0002	0.0000121
MC-TP4-DC	23-Aug-2021	<0.01	0.000613	4.69	0.0373	0.00181	0.000656	0.000109	1.77	0.00129	0.00067	2.53	0.12	<0.00005	<0.00001	5.31	0.00123	<0.00005	0.0000064	<0.00001	<0.0002	<0.0002	0.0000097
MC-TP4-DC	24-Aug-2021	<0.05	0.00059	4.23	0.0364	0.00182	0.0008	<0.0002	1.7	0.00138	0.00061	2.4	0.116	<0.0002	<0.00005	5.58	0.00123	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	25-Aug-2021	<0.05	0.00063	4.37	0.047	0.00205	0.00065	<0.0002	1.85	0.0016	0.00063	2.5	0.123	<0.0002	<0.00005	5.98	0.00139	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	26-Aug-2021	<0.05	0.00053	3.98	0.0313	0.00175	0.00068	<0.0002	1.52	0.00118	0.00052	2.4	0.106	<0.0002	<0.00005	5.12	0.00123	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	27-Aug-2021	<0.05	0.00061	4.23	0.032	0.00195	0.00075	<0.0002	1.75	0.00133	0.00059	2.4	0.116	<0.0002	<0.00005	5.81	0.00133	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MC-TP4-DC	12-Jul-2021	<0.0002	0.0471	<0.00002	-	-	-	-	-
MC-TP4-DC	13-Jul-2021	<0.0002	0.0637	<0.00002	-	-	-	-	-
MC-TP4-DC	14-Jul-2021	<0.001	0.0789	<0.0001	-	-	-	-	-
MC-TP4-DC	15-Jul-2021	<0.001	0.0639	<0.0001	-	-	-	-	-
MC-TP4-DC	16-Jul-2021	<0.001	0.0965	<0.0001	-	-	-	-	-
MC-TP4-DC	17-Jul-2021	<0.001	0.0744	<0.0001	-	-	-	-	-
MC-TP4-DC	18-Jul-2021	<0.001	0.0708	<0.0001	-	-	-	-	-
MC-TP4-DC	19-Jul-2021	<0.001	0.0826	<0.0001	-	-	-	-	-
MC-TP4-DC	20-Jul-2021	<0.001	0.0908	<0.0001	-	-	-	-	-
MC-TP4-DC	21-Jul-2021	<0.0002	0.0759	<0.00002	-	-	-	-	-
MC-TP4-DC	22-Jul-2021	<0.0002	0.061	<0.00002	-	-	-	-	-
MC-TP4-DC	23-Jul-2021	<0.0002	0.0557	0.000036	-	-	-	-	-
MC-TP4-DC	24-Jul-2021	<0.0002	0.0635	<0.00002	-	-	-	-	-
MC-TP4-DC	25-Jul-2021	<0.0002	0.0782	<0.00002	-	-	-	-	-
MC-TP4-DC	26-Jul-2021	<0.0002	0.0892	<0.00002	-	-	-	-	-
MC-TP4-DC	26-Jul-2021	<0.0002	0.0888	<0.00002	-	-	-	-	-
MC-TP4-DC	27-Jul-2021	<0.0002	0.0747	<0.00002	-	-	-	-	-
MC-TP4-DC	28-Jul-2021	<0.0002	0.0958	<0.00002	-	-	-	-	-
MC-TP4-DC	29-Jul-2021	<0.0002	0.105	<0.00002	-	-	-	-	-
MC-TP4-DC	30-Jul-2021	<0.0002	0.103	<0.00002	-	-	-	-	-
MC-TP4-DC	31-Jul-2021	<0.0002	0.104	<0.00002	-	-	-	-	-
MC-TP4-DC	1-Aug-2021	<0.0002	0.121	<0.00002	-	-	-	-	-
MC-TP4-DC	2-Aug-2021	<0.0002	0.127	<0.00002	-	-	-	-	-
MC-TP4-DC	3-Aug-2021	<0.0002	0.141	<0.00002	-	-	-	-	-
MC-TP4-DC	4-Aug-2021	0.00022	0.106	<0.00002	-	-	-	-	-
MC-TP4-DC	5-Aug-2021	0.00022	0.101	<0.00002	-	-	-	-	-
MC-TP4-DC	6-Aug-2021	<0.0002	0.128	<0.00002	-	-	-	-	-
MC-TP4-DC	7-Aug-2021	<0.0002	0.112	<0.00002	-	-	-	-	-
MC-TP4-DC	8-Aug-2021	0.00022	0.122	<0.00002	-	-	-	-	-
MC-TP4-DC	9-Aug-2021	0.00021	0.144	<0.00002	-	-	-	-	-
MC-TP4-DC	10-Aug-2021	<0.0002	0.15	<0.00002	-	-	-	-	-
MC-TP4-DC	11-Aug-2021	<0.0002	0.121	<0.00002	-	-	-	-	-
MC-TP4-DC	12-Aug-2021	<0.0002	0.116	<0.00002	-	-	-	-	-
MC-TP4-DC	12-Aug-2021	<0.0002	0.118	<0.00002	-	-	-	-	-
MC-TP4-DC	13-Aug-2021	<0.0002	0.115	<0.00002	-	-	-	-	-
MC-TP4-DC	14-Aug-2021	<0.0002	0.119	<0.00002	-	-	-	-	-
MC-TP4-DC	15-Aug-2021	<0.0002	0.169	<0.00002	-	-	-	-	-
MC-TP4-DC	16-Aug-2021	<0.0002	0.185	<0.00002	-	-	-	-	-
MC-TP4-DC	17-Aug-2021	<0.0002	0.173	<0.00002	-	-	-	-	-
MC-TP4-DC	18-Aug-2021	<0.0002	0.116	<0.00002	-	-	-	-	-
MC-TP4-DC	19-Aug-2021	<0.0002	0.218	<0.00002	-	-	-	-	-
MC-TP4-DC	20-Aug-2021	<0.0002	0.197	<0.00002	-	-	-	-	-
MC-TP4-DC	21-Aug-2021	<0.0002	0.233	<0.00002	-	-	-	-	-
MC-TP4-DC	22-Aug-2021	<0.0002	0.252	<0.00002	-	-	-	-	-
MC-TP4-DC	23-Aug-2021	<0.0002	0.257	<0.00002	-	-	-	-	-
MC-TP4-DC	24-Aug-2021	<0.001	0.283	<0.0001	-	-	-	-	-
MC-TP4-DC	25-Aug-2021	<0.001	0.244	<0.0001	-	-	-	-	-
MC-TP4-DC	26-Aug-2021	<0.001	0.306	<0.0001	-	-	-	-	-
MC-TP4-DC	27-Aug-2021	<0.001	0.283	<0.0001	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21I0482	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	28-Aug-2021	-	-	-	-	-	-	-	-	-	-
21I0482	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	29-Aug-2021	-	-	-	-	-	-	-	-	-	-
21I0482	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	30-Aug-2021	-	-	-	-	-	-	-	-	-	-
21I1402	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	31-Aug-2021	-	-	-	-	-	-	-	-	-	-
21I1402	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	1-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1402	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	2-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1402	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	3-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1402	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	4-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1402	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	5-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1402	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	6-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I3576	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	14-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I3576	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	15-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I3576	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	16-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I3576	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	17-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I3576	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	18-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I3576	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	19-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I3576	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	20-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J0442	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	21-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J0442	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	22-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J0442	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	23-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J0442	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	24-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J0442	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	25-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J0442	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	26-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J0442	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	27-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J1451	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	28-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J1451	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	29-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J1451	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	30-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J1451	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	1-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J1451	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	2-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J1451	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	3-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J1451	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	4-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2087	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	5-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2087	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	6-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2087	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	7-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2087	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	8-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2087	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	9-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2087	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	10-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2087	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	11-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3987	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	19-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3987	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	20-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3987	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	21-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3987	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	22-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3987	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	23-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3987	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	24-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3987	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	25-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3987	8	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	26-Oct-2021	-	-	-	-	-	-	-	-	-	-
21K2012	1	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	2-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2012	2	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	3-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2012	3	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	4-Nov-2021	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MC-TP4-DC	28-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0249	43.3	<0.0005	<0.05	0.0432
MC-TP4-DC	29-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0243	41.4	<0.0005	<0.05	0.0433
MC-TP4-DC	30-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0243	44.9	<0.0005	<0.05	0.0722
MC-TP4-DC	31-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.035	51.7	<0.0005	<0.05	0.0436
MC-TP4-DC	1-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0255	46.6	<0.0005	<0.05	0.0432
MC-TP4-DC	2-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0312	44.1	<0.0005	<0.05	0.0418
MC-TP4-DC	3-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0293	45	<0.0005	<0.05	0.0425
MC-TP4-DC	4-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.028	37.3	<0.0005	<0.05	0.0401
MC-TP4-DC	5-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0238	37	<0.0005	<0.05	0.0396
MC-TP4-DC	6-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0223	34.2	<0.0005	<0.05	0.0397
MC-TP4-DC	14-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0777	123	0.00065	0.0542	0.027
MC-TP4-DC	15-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0667	114	0.00055	0.0505	0.0236
MC-TP4-DC	16-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0625	115	0.00051	<0.05	0.0359
MC-TP4-DC	17-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0894	117	<0.0005	0.0507	0.0266
MC-TP4-DC	18-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.32	171	<0.0005	<0.05	0.03
MC-TP4-DC	19-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.637	192	<0.0005	<0.05	0.0232
MC-TP4-DC	20-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.736	177	<0.0005	<0.05	0.0237
MC-TP4-DC	21-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0804	32.8	0.000268	0.0157	0.0458
MC-TP4-DC	22-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0399	32	0.000159	0.0143	0.0427
MC-TP4-DC	23-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0521	33.3	0.000184	0.0142	0.0436
MC-TP4-DC	24-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0306	31.9	0.000135	0.0149	0.042
MC-TP4-DC	25-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0188	36.1	0.000113	0.0151	0.0456
MC-TP4-DC	26-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0311	29.5	0.000096	0.0152	0.0395
MC-TP4-DC	27-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0255	20.9	0.000114	0.0115	0.0284
MC-TP4-DC	28-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.123	24.4	<0.0005	<0.05	0.0351
MC-TP4-DC	29-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.168	18.6	<0.0005	<0.05	0.0281
MC-TP4-DC	30-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0855	21.8	<0.0005	<0.05	0.0347
MC-TP4-DC	1-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0942	22.9	<0.0005	<0.05	0.0393
MC-TP4-DC	2-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0103	21.4	<0.0005	<0.05	0.0321
MC-TP4-DC	3-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0729	25.6	<0.0005	<0.05	0.0363
MC-TP4-DC	4-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0692	24	<0.0005	<0.05	0.035
MC-TP4-DC	5-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.061	23.9	0.000143	0.0096	0.0381
MC-TP4-DC	6-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0723	24.5	0.000249	0.0089	0.0382
MC-TP4-DC	7-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.065	24.3	0.000147	0.0088	0.0386
MC-TP4-DC	8-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	22.3	0.000117	0.0079	0.0365
MC-TP4-DC	9-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0579	21.3	0.000152	0.0078	0.0351
MC-TP4-DC	10-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0469	20.4	0.000147	0.0074	0.0324
MC-TP4-DC	11-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.022	22.3	0.000127	0.0078	0.0346
MC-TP4-DC	19-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0261	19.7	0.000194	0.0058	0.0327
MC-TP4-DC	20-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0732	17.4	0.000178	0.0056	0.0307
MC-TP4-DC	21-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.506	11.8	0.000717	0.0043	0.0282
MC-TP4-DC	22-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0589	15.9	0.000166	0.0048	0.0294
MC-TP4-DC	23-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0359	16.5	0.000143	0.0045	0.0288
MC-TP4-DC	24-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.044	14.5	0.000123	0.0042	0.026
MC-TP4-DC	25-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.103	11.6	0.00018	0.0038	0.0212
MC-TP4-DC	26-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.132	13.5	0.000158	0.0038	0.0252
MC-TP4-DC	2-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0843	15.8	0.000195	0.0062	0.0355
MC-TP4-DC	3-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.065	11.6	0.000128	0.0047	0.0203
MC-TP4-DC	4-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0706	12.1	0.000148	0.0042	0.0267

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MC-TP4-DC	28-Aug-2021	<0.0001	<0.0001	0.000812	50	<0.0005	0.00013	0.00303	<0.01	<0.05	0.00074	4.73	0.0334	0.00203	0.00063	<0.0002	1.89	0.00069	<0.0002	2.6	<0.00005	6.07	0.128
MC-TP4-DC	29-Aug-2021	<0.0001	<0.0001	0.000806	48.5	<0.0005	0.0002	0.00324	0.012	<0.05	0.0007	4.63	0.0418	0.00187	0.00069	<0.0002	1.73	0.0007	<0.0002	2.7	<0.00005	5.58	0.123
MC-TP4-DC	30-Aug-2021	<0.0001	<0.0001	0.000777	50.2	<0.0005	0.00019	0.00321	<0.01	<0.05	0.00079	4.87	0.0416	0.00187	0.00094	<0.0002	1.77	0.00075	<0.0002	2.7	<0.00005	5.79	0.135
MC-TP4-DC	31-Aug-2021	<0.0001	<0.0001	0.000738	56.6	<0.0005	0.00021	0.00229	<0.01	<0.05	0.001	4.18	0.042	0.00252	0.00069	<0.0002	1.72	0.0007	<0.0002	2.6	<0.00005	6.82	0.164
MC-TP4-DC	1-Sep-2021	<0.0001	<0.0001	0.000786	52.8	<0.0005	0.0002	0.00335	<0.01	<0.05	0.00091	3.7	0.0485	0.00294	0.00071	<0.0002	1.94	0.0009	<0.0002	2.4	<0.00005	6.55	0.149
MC-TP4-DC	2-Sep-2021	<0.0001	<0.0001	0.000732	47.4	<0.0005	0.00018	0.00278	<0.01	<0.05	0.00077	3.5	0.0387	0.00267	0.00087	<0.0002	1.92	0.00064	<0.0002	2.4	<0.00005	4.79	0.13
MC-TP4-DC	3-Sep-2021	<0.0001	<0.0001	0.000656	49.4	<0.0005	0.00019	0.00238	<0.01	<0.05	0.00084	3.55	0.0414	0.00282	0.0007	<0.0002	2.01	0.00078	<0.0002	2.4	<0.00005	5.81	0.135
MC-TP4-DC	4-Sep-2021	<0.0001	<0.0001	0.000623	42.6	<0.0005	<0.0001	0.00331	<0.01	<0.05	0.00065	2.89	0.0234	0.00227	0.00052	<0.0002	1.54	0.0007	<0.0002	2.2	<0.00005	4	0.114
MC-TP4-DC	5-Sep-2021	<0.0001	<0.0001	0.000661	41.8	<0.0005	0.0001	0.00306	<0.01	<0.05	0.00062	2.85	0.0193	0.0021	0.00058	<0.0002	1.45	0.00075	<0.0002	2.1	<0.00005	3.8	0.109
MC-TP4-DC	6-Sep-2021	<0.0001	<0.0001	0.000684	40.9	<0.0005	0.00012	0.0039	<0.01	<0.05	0.00058	2.8	0.0267	0.00192	0.00061	<0.0002	1.35	0.00074	<0.0002	2.3	<0.00005	3.57	0.105
MC-TP4-DC	14-Sep-2021	<0.0001	<0.0001	0.000195	115	<0.0005	0.00017	0.00599	<0.01	<0.05	0.00347	9.11	0.0223	0.0146	<0.0004	0.0003	10.1	0.00358	<0.0002	3.1	<0.00005	19.9	0.369
MC-TP4-DC	15-Sep-2021	<0.0001	<0.0001	0.000193	111	<0.0005	0.00015	0.0052	<0.01	<0.05	0.00339	9.92	0.0209	0.0115	<0.0004	0.00032	8.53	0.00347	<0.0002	2.9	<0.00005	18.2	0.372
MC-TP4-DC	16-Sep-2021	<0.0001	<0.0001	0.000229	111	<0.0005	0.00016	0.0043	<0.01	<0.05	0.00354	11.3	0.0249	0.00823	0.00047	0.00037	7.14	0.00191	<0.0002	3.4	<0.00005	17	0.385
MC-TP4-DC	17-Sep-2021	<0.0001	<0.0001	0.000684	115	<0.0005	0.00031	0.00972	0.038	<0.05	0.00353	10.7	0.0516	0.00884	0.00053	0.00098	7.64	0.00491	<0.0002	2.7	<0.00005	17.3	0.379
MC-TP4-DC	18-Sep-2021	<0.0001	<0.0001	0.000384	188	<0.0005	0.00018	0.0101	0.047	<0.05	0.00453	5.03	0.0259	0.00742	<0.0004	0.00137	8.68	0.00296	<0.0002	1.5	<0.00005	17.9	0.515
MC-TP4-DC	19-Sep-2021	<0.0001	<0.0001	0.000379	223	<0.0005	0.00016	0.0101	0.038	<0.05	0.00527	3.02	0.0253	0.00448	<0.0004	0.0011	7.96	0.00249	<0.0002	<1	<0.00005	17.1	0.58
MC-TP4-DC	20-Sep-2021	<0.0001	<0.0001	0.000415	187	<0.0005	0.00022	0.013	0.044	<0.05	0.00478	5.96	0.0426	0.00365	<0.0004	0.00097	8.43	0.00345	<0.0002	1	<0.00005	16.9	0.503
MC-TP4-DC	21-Sep-2021	<0.00001	<0.00001	0.000516	43.8	0.00022	0.0000658	0.00611	0.0635	<0.01	0.000249	3.65	0.00612	0.000717	0.000361	0.000957	0.823	0.00049	<0.00005	2.36	0.000013	3.45	0.0864
MC-TP4-DC	22-Sep-2021	<0.00001	<0.00001	0.000507	43	0.00027	0.0000326	0.00322	0.0168	<0.01	0.000253	3.62	0.00398	0.000718	0.000359	0.00034	0.85	0.00046	<0.00005	2.49	0.000012	3.49	0.0846
MC-TP4-DC	23-Sep-2021	<0.00001	<0.00001	0.000514	42.2	0.00018	0.0000543	0.00412	0.0334	<0.01	0.00025	3.67	0.00716	0.000784	0.000418	0.000556	0.914	0.00063	<0.00005	2.49	<0.00001	3.57	0.0878
MC-TP4-DC	24-Sep-2021	<0.00001	<0.00001	0.000445	41.9	0.00021	0.000023	0.00183	0.0143	<0.01	0.00025	3.69	0.00145	0.00073	0.000389	0.000184	0.884	0.00041	<0.00005	2.53	<0.00001	3.42	0.0833
MC-TP4-DC	25-Sep-2021	<0.00001	<0.00001	0.000546	46.4	0.00017	0.0000179	0.00215	0.0206	<0.01	0.000246	4.07	0.00148	0.000805	0.000315	0.000062	1.05	0.00052	<0.00005	2.53	<0.00001	3.95	0.0957
MC-TP4-DC	26-Sep-2021	<0.00001	<0.00001	0.00046	42.2	0.00019	0.00002	0.00239	0.0152	<0.01	0.000243	3.4	0.00157	0.000787	0.000297	0.00015	0.926	0.00048	<0.00005	2.33	<0.00001	3.29	0.0811
MC-TP4-DC	27-Sep-2021	<0.00001	<0.00001	0.000364	29.8	0.00025	0.0000177	0.00261	0.0101	<0.01	0.000175	2.74	0.00118	0.000539	0.000335	0.000145	0.581	0.00035	<0.00005	2.14	<0.00001	2.39	0.0568
MC-TP4-DC	28-Sep-2021	<0.0001	<0.0001	0.000434	32.2	<0.0005	<0.0001	0.00482	0.139	<0.05	0.00032	3.2	0.00636	0.00053	0.00041	0.00107	0.61	<0.0005	<0.0002	2.1	<0.00005	2.33	0.066
MC-TP4-DC	29-Sep-2021	<0.0001	<0.0001	0.000372	26.6	<0.0005	0.00012	0.00719	0.162	<0.05	0.00031	2.66	0.0133	0.00047	0.00047	0.00152	0.53	<0.0005	<0.0002	2	<0.00005	1.94	0.0539
MC-TP4-DC	30-Sep-2021	<0.0001	<0.0001	0.000461	34	<0.0005	<0.0001	0.0044	0.092	<0.05	0.00032	3.28	0.00819	0.00056	0.00059	0.00077	0.56	<0.0005	<0.0002	2.3	<0.00005	2.14	0.0679
MC-TP4-DC	1-Oct-2021	<0.0001	<0.0001	0.000367	38.3	<0.0005	<0.0001	0.00471	0.092	<0.05	0.00035	3.37	0.00535	0.00055	0.00099	0.00141	0.66	<0.0005	<0.0002	2.3	<0.00005	2.37	0.0734
MC-TP4-DC	2-Oct-2021	<0.0001	<0.0001	0.000397	33.8	<0.0005	<0.0001	0.00198	<0.01	<0.05	0.00029	3.13	0.00164	0.00048	<0.0004	<0.0002	0.54	<0.0005	<0.0002	2.3	<0.00005	2.08	0.0655
MC-TP4-DC	3-Oct-2021	<0.0001	<0.0001	0.000445	36.8	<0.0005	<0.0001	0.00375	0.086	<0.05	0.00032	3.52	0.00701	0.00057	0.00045	0.0006	0.62	<0.0005	<0.0002	2.5	<0.00005	2.33	0.0736
MC-TP4-DC	4-Oct-2021	<0.0001	<0.0001	0.000537	35.8	<0.0005	<0.0001	0.00337	0.077	<0.05	0.00029	3.36	0.00701	0.00056	<0.0004	0.00048	0.64	<0.0005	<0.0002	2.4	<0.00005	2.3	0.0722
MC-TP4-DC	5-Oct-2021	<0.00001	<0.00001	0.000434	37.5	0.00025	0.0000533	0.00352	0.0586	<0.01	0.000196	3.54	0.00416	0.000565	0.000423	0.000374	0.645	0.00036	<0.00005	2.62	<0.00001	2.41	0.0729
MC-TP4-DC	6-Oct-2021	<0.00001	<0.00001	0.000412	37.4	0.00032	0.0000667	0.00508	0.0962	<0.01	0.000195	3.58	0.00749	0.000614	0.000587	0.000863	0.628	0.00031	<0.00005	2.83	0.00001	2.37	0.0745
MC-TP4-DC	7-Oct-2021	<0.00001	<0.00001	0.000417	40.2	0.00027	0.0000622	0.00379	0.0829	<0.01	0.000185	3.59	0.00797	0.000618	0.000341	0.000428	0.617	0.00028	<0.00005	2.79	<0.00001	2.36	0.0756
MC-TP4-DC	8-Oct-2021	<0.00001	<0.00001	0.000381	36.8	0.00027	0.0000224	0.00226	0.0055	<0.01	0.000154	3.31	0.00372	0.000567	0.000332	0.000185	0.569	0.00029	<0.00005	2.63	<0.00001	2.14	0.07
MC-TP4-DC	9-Oct-2021	<0.00001	<0.00001	0.000387	35.7	0.00033	0.000049	0.0034	0.0808	<0.01	0.000187	3.19	0.00545	0.000587	0.000322	0.000379	0.542	0.00023	<0.00005	2.64	<0.00001	2.06	0.067
MC-TP4-DC	10-Oct-2021	<0.00001	<0.00001	0.000407	34.6	0.00027	0.0000391	0.00448	0.0554	<0.01	0.000191	3.13	0.00315	0.000512	0.000346	0.000344	0.53	0.00038	<0.00005	2.64	<0.00001	2.03	0.0653
MC-TP4-DC	11-Oct-2021	<0.00001	<0.00001	0.00041	36.2	0.00026	0.0000251	0.00347	0.0171	<0.01	0.000218	3.22	0.00308	0.00052	0.000278	0.00032	0.6	0.0003	<0.00005	2.41	<0.00001	2.21	0.0693
MC-TP4-DC	19-Oct-2021	<0.00001	<0.00001	0.000385	35	0.00052	0.0000269	0.00314	0.0046	<0.01	0.000231	2.47	0.00185	0.00059	0.000495	0.000124	0.558	0.00018	<0.00005	2.32	<0.00001	1.88	0.0643
MC-TP4-DC	20-Oct-2021	<0.00001	<0.00001	0.000252	31.4	0.00034	0.0000845	0.00268	0.0659	<0.01	0.00018	2.31	0.0144	0.000581	0.000321	0.000412	0.541	0.00025	<0.00005	2.29	<0.00001	1.69	0.0562
MC-TP4-DC	21-Oct-2021	0.000012	0.000012	0.000333	22.7	0.0005	0.000399	0.0148	0.581	0.021	0.000245	1.82	0.0545	0.000501	0.000479	0.0057	0.412	0.00025	<0.00005	2.25	0.000048	1.29	0.0406
MC-TP4-DC	22-Oct-2021	<0.00001	<0.00001	0.000324	30.7	0.00046	0.0000546	0.00249	0.0435	<0.01	0.000169	2.2	0.0079	0.000497	0.000284	0.000335	0.466	0.00023	<0.00005	2.41	<0.00001	1.47	0.0533
MC-TP4-DC	23-Oct-2021	<0.00001	<0.00001	0.000311	31.1	0.00059	0.0000535	0.00163	0.0233	<0.01	0.000154	2.24	0.00686	0.000575	0.00035	0.000246	0.452	0.00021	<0.00005	2.33	<0.00001	1.39	0.0531
MC-TP4-DC	24-Oct-2021	<0.00001	<0.00001	0.000298	27.2	0.00026	0.0000337	0.00256	0.0236	<0.01	0.000137	1.96	0.00431	0.00051	0.000216	0.000284	0.409	0.00017	<0.00005	2.23	<0.00001	1.29	0.0469
MC-TP4-DC	25-Oct-2021	<0.00001	<0.00001	0.000268	22.5	0.0002	0.000126	0.00412	0.0724	<0.01	0.000148	1.62	0.0226	0.000473	0.000343	0.000587	0.368	0.00018	<0.00005	2.01	<0.00001	1.19	0.0394
MC-TP4-DC	26-Oct-2021	<0.00001	<0.00001	0.000337	26.8	0.00021	0.0000931	0.00415	0.0991	<0.01	0.000158	1.89	0.0113	0.000478	0.000267	0.000635	0.405	0.00017	<0.00005	2.27	<0.00001	1.31	0.0468
MC-TP4-DC	2-Nov-2021	<0.00001	<0.00001	0.000361	31.4	0.00031	0.0000819	0.00532	0.088	<0.01	0.000139	2.62	0.0114	0.000563	0.000277	0.000864	0.461	0.00015	<0.00005	2.09	<0.00001	1.52	0.0555
MC-TP4-DC	3-Nov-2021	<0.00001	<0.00001	0.000253	23.2	0.00016	0.000066	0.00317	0.0602	<0.01	0.000108	1.96	0.00776	0.000406	0.000192	0.000473	0.355	<0.0001	<0.00005	1.76	<0.00001	1.16	0.0408
MC-TP4-DC	4-Nov-2021	<0.00001	<0.00001	0.000236	22.7	0.00023	0.000145	0.00304	0.0533	<0.01	0.000106	1.91	0.0291	0.000463	0.000241	0.00039	0.339	0.00015	<0.00005	1.77	<0.00001	1.11	0.0407

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MC-TP4-DC	28-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.314	<0.0001	-	0.0236	42.9	<0.0005	<0.05	<0.0001	<0.0001	0.0441	0.000751	47.9	<0.0005	0.00015	0.0038	<0.01
MC-TP4-DC	29-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.324	<0.0001	-	0.0233	41.1	<0.0005	<0.05	<0.0001	<0.0001	0.0417	0.000762	47.5	<0.0005	0.00019	0.00326	<0.01
MC-TP4-DC	30-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.334	<0.0001	-	0.0198	42.7	<0.0005	<0.05	<0.0001	<0.0001	0.0423	0.000774	50	<0.0005	0.0002	0.00308	<0.01
MC-TP4-DC	31-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.243	<0.0001	-	0.0326	48.8	<0.0005	<0.05	<0.0001	<0.0001	0.0409	0.000627	49	<0.0005	0.00018	0.00242	<0.01
MC-TP4-DC	1-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.276	<0.0001	-	0.0267	47.8	<0.0005	<0.05	<0.0001	<0.0001	0.0433	0.000752	48.2	<0.0005	0.00018	0.00305	<0.01
MC-TP4-DC	2-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.32	<0.0001	-	0.0771	41.3	<0.0005	<0.05	<0.0001	<0.0001	0.0422	0.000793	45.6	<0.0005	0.00017	0.00247	<0.01
MC-TP4-DC	3-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.305	<0.0001	-	0.0278	44.4	<0.0005	<0.05	<0.0001	<0.0001	0.0425	0.000766	46.4	<0.0005	0.00018	0.00246	<0.01
MC-TP4-DC	4-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.247	<0.0001	-	0.0433	34.7	<0.0005	<0.05	<0.0001	<0.0001	0.0394	0.00059	39.5	<0.0005	0.00011	0.00269	<0.01
MC-TP4-DC	5-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.247	<0.0001	-	0.0214	34	<0.0005	<0.05	<0.0001	<0.0001	0.0376	0.000581	37.7	<0.0005	<0.0001	0.00252	<0.01
MC-TP4-DC	6-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.279	<0.0001	-	0.0233	33.1	<0.0005	<0.05	<0.0001	<0.0001	0.0386	0.000705	38.3	<0.0005	0.00012	0.00329	<0.01
MC-TP4-DC	14-Sep-2021	<0.0005	0.000037	<0.0001	<0.005	0.0013	<0.00002	<0.001	0.0506	<0.0001	-	0.037	129	0.0008	0.0656	<0.0001	<0.0001	0.0279	0.000262	132	<0.0005	0.00018	0.0139	0.011
MC-TP4-DC	15-Sep-2021	<0.0005	0.000033	<0.0001	<0.005	0.001	<0.00002	<0.001	0.0501	<0.0001	-	0.0453	139	0.00069	0.0612	<0.0001	<0.0001	0.0323	0.000244	128	<0.0005	0.00017	0.00569	<0.01
MC-TP4-DC	16-Sep-2021	<0.0005	0.000043	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.053	<0.0001	-	0.0411	121	0.00051	0.0542	<0.0001	<0.0001	0.0339	0.000207	117	<0.0005	0.00015	0.00577	0.012
MC-TP4-DC	17-Sep-2021	<0.0005	0.000034	<0.0001	<0.005	<0.001	0.000027	<0.001	0.112	<0.0001	-	0.0591	134	0.00063	0.0587	<0.0001	<0.0001	0.0281	0.000642	132	<0.0005	0.0003	0.00648	<0.01
MC-TP4-DC	18-Sep-2021	<0.0005	0.00004	<0.0001	<0.005	<0.001	0.000021	<0.001	0.0541	<0.0001	-	0.052	162	<0.0005	<0.05	<0.0001	<0.0001	0.0231	0.000281	177	<0.0005	<0.0001	0.00278	<0.01
MC-TP4-DC	19-Sep-2021	<0.0005	0.000041	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0586	<0.0001	-	0.0329	194	<0.0005	<0.05	<0.0001	<0.0001	0.0201	0.000341	223	<0.0005	<0.0001	0.00321	<0.01
MC-TP4-DC	20-Sep-2021	<0.0005	0.000038	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.084	<0.0001	-	0.0263	180	<0.0005	<0.05	<0.0001	<0.0001	0.0213	0.00041	197	<0.0005	0.00015	0.00548	<0.01
MC-TP4-DC	21-Sep-2021	0.000065	<0.000004	<0.00001	0.00113	<0.0002	0.0000171	0.00025	0.174	<0.00002	-	0.0289	31.7	0.000188	0.0091	<0.00001	<0.00001	0.0412	0.000471	43.2	0.00018	0.0000294	0.00314	0.0026
MC-TP4-DC	22-Sep-2021	<0.00005	<0.000004	<0.00001	0.00024	<0.0002	0.0000128	<0.0002	0.163	<0.00002	-	0.0262	30.6	0.000143	0.0085	<0.00001	<0.00001	0.0408	0.000462	41	0.00017	0.0000262	0.0025	0.0023
MC-TP4-DC	23-Sep-2021	0.000086	<0.000004	<0.00001	0.00043	<0.0002	0.0000129	<0.0002	0.184	<0.00002	-	0.0215	31.4	0.000117	0.0086	<0.00001	<0.00001	0.0409	0.000492	40.6	0.00017	0.0000305	0.00227	0.002
MC-TP4-DC	24-Sep-2021	0.000108	<0.000004	<0.00001	<0.0002	<0.0002	0.0000106	0.00024	0.157	<0.00002	-	0.0181	31.5	0.000105	0.0085	<0.00001	<0.00001	0.0415	0.000434	40.2	0.00021	0.0000183	0.00156	0.0032
MC-TP4-DC	25-Sep-2021	0.000056	<0.000004	<0.00001	<0.0002	<0.0002	0.0000102	<0.0002	0.185	<0.00002	-	0.0176	34.3	0.000107	0.01	<0.00001	<0.00001	0.042	0.000493	44	0.00026	0.000022	0.00202	0.0034
MC-TP4-DC	26-Sep-2021	<0.00005	<0.000004	<0.00001	0.00034	<0.0002	0.0000122	<0.0002	0.153	<0.00002	-	0.0175	28.2	0.000066	0.0089	<0.00001	<0.00001	0.0371	0.00043	37	0.00016	0.000039	0.0021	0.0062
MC-TP4-DC	27-Sep-2021	0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000091	<0.0002	0.134	<0.00002	-	0.0189	19.1	0.00008	0.0067	<0.00001	<0.00001	0.0258	0.000327	27.7	0.00015	0.0000162	0.00247	0.0043
MC-TP4-DC	28-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.135	<0.0001	-	0.0174	23.6	<0.0005	<0.05	<0.0001	<0.0001	0.0322	0.000389	35	<0.0005	<0.0001	0.00157	<0.01
MC-TP4-DC	29-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000028	<0.001	0.117	<0.0001	-	0.0277	18.9	<0.0005	<0.05	<0.0001	<0.0001	0.0253	0.000328	29.4	<0.0005	<0.0001	0.00293	<0.01
MC-TP4-DC	30-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.134	<0.0001	-	0.0182	22.4	<0.0005	<0.05	<0.0001	<0.0001	0.0297	0.000422	34.2	<0.0005	<0.0001	0.00232	<0.01
MC-TP4-DC	1-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	<0.001	0.103	<0.0001	-	0.031	22.8	<0.0005	<0.05	<0.0001	<0.0001	0.0327	0.000332	35.3	<0.0005	<0.0001	0.00245	<0.01
MC-TP4-DC	2-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.129	<0.0001	-	0.0416	22.3	<0.0005	<0.05	<0.0001	<0.0001	0.0316	0.000446	36.6	<0.0005	<0.0001	0.00274	0.033
MC-TP4-DC	3-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.146	<0.0001	-	0.0142	22.9	<0.0005	<0.05	<0.0001	<0.0001	0.0348	0.000457	35.7	<0.0005	<0.0001	0.00235	<0.01
MC-TP4-DC	4-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.141	<0.0001	-	0.0139	25.6	<0.0005	<0.05	<0.0001	<0.0001	0.0345	0.000534	39.8	<0.0005	<0.0001	0.00159	<0.01
MC-TP4-DC	5-Oct-2021	<0.00005	<0.000004	<0.00001	0.00149	<0.0002	0.000016	<0.0002	0.153	<0.00002	-	0.0195	23	0.000095	0.006	<0.00001	<0.00001	0.0352	0.000404	38	0.00019	0.0000199	0.00255	0.0048
MC-TP4-DC	6-Oct-2021	<0.00005	<0.000004	<0.00001	0.00317	<0.0002	0.0000163	<0.0002	0.138	<0.00002	-	0.0138	22	0.000182	0.0053	<0.00001	<0.00001	0.0339	0.000353	34.7	0.00019	0.0000185	0.00216	0.0028
MC-TP4-DC	7-Oct-2021	<0.00005	<0.000004	<0.00001	0.00254	<0.0002	0.0000161	<0.0002	0.145	<0.00002	-	0.0099	22.8	0.000114	0.0054	<0.00001	<0.00001	0.0354	0.000386	36.6	0.00013	0.0000154	0.00229	0.002
MC-TP4-DC	8-Oct-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000101	<0.0002	0.124	<0.00002	-	0.0093	22.7	0.000113	0.0056	<0.00001	<0.00001	0.0348	0.000377	36.3	0.00029	0.0000187	0.00217	0.0023
MC-TP4-DC	9-Oct-2021	<0.00005	<0.000004	<0.00001	0.00165	<0.0002	0.0000131	<0.0002	0.136	<0.00002	-	0.0099	19.8	0.000121	0.0052	<0.00001	<0.00001	0.0311	0.000363	31.8	0.0002	0.0000165	0.00226	0.0029
MC-TP4-DC	10-Oct-2021	<0.00005	<0.000004	<0.00001	0.00176	<0.0002	0.0000114	<0.0002	0.146	<0.00002	-	0.0116	19.8	0.000107	0.0051	<0.00001	<0.00001	0.031	0.000383	32.4	0.0002	0.0000172	0.0025	0.003
MC-TP4-DC	11-Oct-2021	<0.00005	<0.000004	<0.00001	0.00036	<0.0002	0.0000125	<0.0002	0.14	<0.00002	-	0.0098	21.3	0.000136	0.0056	<0.00001	<0.00001	0.0331	0.000387	35.1	0.00034	0.0000217	0.0029	0.0034
MC-TP4-DC	19-Oct-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000015	0.00076	0.119	<0.00002	-	0.0554	20.4	0.000237	0.0057	<0.00001	<0.00001	0.0345	0.000401	38.6	0.00041	0.0000426	0.00429	0.0236
MC-TP4-DC	20-Oct-2021	<0.00005	<0.000004	<0.00001	0.00232	<0.0002	0.0000134	0.00146	0.0851	<0.00002	-	0.0193	16.5	0.000128	0.0047	<0.00001	<0.00001	0.0268	0.000227	30.4	0.00016	0.0000131	0.00155	0.0071
MC-TP4-DC	21-Oct-2021	<0.00005	<0.000004	<0.00001	0.0101	<0.0002	0.0000495	0.00203	0.119	0.000029	-	0.0307	11.4	0.000122	0.0038	<0.00001	<0.00001	0.0211	0.000228	22.7	0.00017	0.0000174	0.0026	0.0065
MC-TP4-DC	22-Oct-2021	<0.00005	<0.000004	<0.00001	0.00094	<0.0002	0.0000144	0.00099	0.106	<0.00002	-	0.0447	14.4	0.000122	0.004	<0.00001	<0.00001	0.0264	0.000314	28.6	0.00016	0.0000257	0.00168	0.0051
MC-TP4-DC	23-Oct-2021	<0.00005	<0.000004	<0.00001	0.00032	<0.0002	0.0000158	0.00074	0.1	<0.00002	-	0.0198	15.2	0.000122	0.004	<0.00001	<0.00001	0.0274	0.000291	30.6	0.00026	0.0000412	0.00126	0.0068
MC-TP4-DC	24-Oct-2021	<0.00005	<0.000004	<0.00001	0.0005	<0.0002	0.000015	0.00096	0.1	<0.00002	-	0.0218	12.9	0.000092	0.0036	<0.00001	<0.00001	0.0237	0.000279	26.7	0.00019	0.0000222	0.00174	0.006
MC-TP4-DC	25-Oct-2021	<0.00005	<0.000004	<0.00001	0.00165	<0.0002	0.0000154	0.00104	0.0969	<0.00002	-	0.0385	10.7	0.000113	0.0031	<0.00001	<0.00001	0.0187	0.000255	21	0.00011	0.0000764	0.00259	0.011
MC-TP4-DC	26-Oct-2021	<0.00005	<0.000004	<0.00001	0.0025	<0.0002	0.0000149	0.00105	0.112	<0.00002	-	0.0291	12.8	0.000103	0.0033	<0.00001	<0.00001	0.0224	0.000302	25.2	0.00034	0.0000433	0.0023	0.0071
MC-TP4-DC	2-Nov-2021	<0.00005	<0.000004	<0.00001	0.00202	<0.0002	0.0000206	0.00023	0.108	<0.00002	-	0.0197	13.2	0.000127	0.0059	<0.00001	<0.00001	0.0291	0.000296	27.3	0.00022	0.0000226	0.00309	0.0114
MC-TP4-DC	3-Nov-2021	<0.00005	<0.000004	<0.00001	0.00145	<0.0002	0.000012	<0.0002	0.0841	<0.00002	-	0.0249	10.6	0.000109	0.0041	<0.00001	<0.00001	0.0168	0.000212	20	0.00058	0.0000425	0.00206	0.0162
MC-TP4-DC	4-Nov-2021	<0.00005	<0.000004	<0.00001	0.00091	<0.0002	0.0000125	<0.0002	0.0756	<0.00002	-	0.0338	9.96	0.000083	0.0036	<0.00001	<0.00001	0.0225	0.000205	21.2	0.0005	0.000104	0.00224	0.0081

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MC-TP4-DC	28-Aug-2021	<0.05	0.00069	4.55	0.0306	0.00203	0.00086	0.00045	1.89	0.00142	0.00068	2.6	0.126	<0.0002	<0.00005	5.88	0.00143	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	29-Aug-2021	<0.05	0.00064	4.55	0.0401	0.00181	0.00069	0.00023	1.74	0.00131	0.00057	2.6	0.12	<0.0002	<0.00005	5.56	0.00123	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	30-Aug-2021	<0.05	0.00073	4.78	0.0394	0.00187	0.00094	0.00029	1.75	0.00136	0.00066	2.6	0.133	<0.0002	<0.00005	5.7	0.00131	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	31-Aug-2021	<0.05	0.00084	5.12	0.039	0.00215	0.00078	0.00044	2.09	0.00214	0.00074	2.5	0.141	<0.0002	<0.00005	6.62	0.00174	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	1-Sep-2021	<0.05	0.00079	4.84	0.0482	0.00273	0.00092	<0.0002	2.5	0.00247	0.00087	2.4	0.137	<0.0002	<0.00005	6.78	0.00234	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	2-Sep-2021	<0.05	0.00073	4.41	0.0375	0.00256	0.00077	<0.0002	2.38	0.00256	0.00085	2.3	0.119	<0.0002	<0.00005	6.2	0.00243	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	3-Sep-2021	<0.05	0.00076	4.55	0.041	0.0026	0.00083	<0.0002	2.51	0.00274	0.00085	2.4	0.122	<0.0002	<0.00005	6.61	0.00265	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	4-Sep-2021	<0.05	0.00059	3.75	0.0236	0.00211	0.00071	<0.0002	1.96	0.00241	0.00065	2.1	0.102	<0.0002	<0.00005	5.25	0.00213	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	5-Sep-2021	<0.05	0.00053	3.54	0.0186	0.00194	0.00061	<0.0002	1.78	0.00246	0.00072	2	0.0938	<0.0002	<0.00005	4.75	0.00206	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	6-Sep-2021	<0.05	0.00056	3.67	0.0267	0.00188	0.00075	<0.0002	1.73	0.00232	0.00079	2.2	0.0947	<0.0002	<0.00005	4.71	0.00209	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	14-Sep-2021	<0.05	0.00369	9.34	0.022	0.0134	0.00108	0.00072	10.5	0.00801	0.0029	2.8	0.425	<0.0002	<0.00005	22.6	0.0078	<0.0005	0.000045	<0.0001	<0.005	0.0012	0.000021
MC-TP4-DC	15-Sep-2021	<0.05	0.00363	10.7	0.0227	0.0117	0.0006	0.00026	9.22	0.00648	0.0045	2.9	0.446	<0.0002	<0.00005	21.9	0.00683	<0.0005	0.000042	<0.0001	<0.005	0.0011	0.00002
MC-TP4-DC	16-Sep-2021	<0.05	0.00338	10.6	0.0226	0.00756	0.00082	0.00032	6.74	0.00534	0.00176	2.6	0.406	<0.0002	<0.00005	17.6	0.00508	<0.0005	0.000039	<0.0001	<0.005	<0.001	0.000021
MC-TP4-DC	17-Sep-2021	<0.05	0.00379	11	0.0485	0.00858	0.00097	<0.0002	7.97	0.00666	0.00599	2.6	0.435	<0.0002	<0.00005	19.6	0.00675	<0.0005	0.000043	<0.0001	<0.005	<0.001	0.000031
MC-TP4-DC	18-Sep-2021	<0.05	0.00381	4.21	0.014	0.00583	0.00042	<0.0002	7.47	0.00425	0.00243	1	0.496	<0.0002	<0.00005	17	0.00374	<0.0005	0.000035	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	19-Sep-2021	<0.05	0.00477	2.65	0.0153	0.00398	<0.0004	<0.0002	7.44	0.00187	0.00195	<1	0.595	<0.0002	<0.00005	17.1	0.00175	<0.0005	0.000045	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	20-Sep-2021	<0.05	0.00471	5.52	0.0338	0.00309	<0.0004	<0.0002	7.93	0.00201	0.00324	<1	0.53	<0.0002	<0.00005	17.5	0.00188	<0.0005	0.000037	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	21-Sep-2021	<0.01	0.000236	3.38	0.00217	0.000611	0.000358	0.000198	0.803	0.000412	0.00048	2.36	0.0852	<0.00005	<0.00001	3.22	0.000369	0.000072	<0.000004	<0.00001	<0.0002	<0.0002	0.0000121
MC-TP4-DC	22-Sep-2021	<0.01	0.000239	3.38	0.00286	0.000677	0.000322	0.000145	0.805	0.000427	0.00041	2.25	0.0829	<0.00005	<0.00001	3.24	0.000431	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000118
MC-TP4-DC	23-Sep-2021	<0.01	0.00023	3.39	0.00324	0.000741	0.000411	0.000123	0.867	0.000504	0.00047	2.37	0.0846	<0.00005	<0.00001	3.28	0.000484	0.000093	<0.000004	<0.00001	<0.0002	<0.0002	0.0000095
MC-TP4-DC	24-Sep-2021	<0.01	0.000231	3.52	0.000774	0.00074	0.000508	0.000135	0.895	0.000499	0.00046	2.53	0.0843	<0.00005	<0.00001	3.23	0.000505	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000096
MC-TP4-DC	25-Sep-2021	<0.01	0.000227	3.65	0.00134	0.000785	0.000411	0.000093	0.997	0.000609	0.00041	2.33	0.0919	<0.00005	<0.00001	3.51	0.000612	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.00001
MC-TP4-DC	26-Sep-2021	<0.01	0.00021	3.14	0.00125	0.000746	0.000567	0.000107	0.874	0.000595	0.00033	2.21	0.0766	0.000059	<0.00001	2.99	0.000579	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000096
MC-TP4-DC	27-Sep-2021	<0.01	0.000157	2.53	0.000941	0.000504	0.000432	0.000092	0.539	0.000307	0.00028	1.91	0.0534	<0.00005	<0.00001	2.23	0.00031	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000081
MC-TP4-DC	28-Sep-2021	<0.05	0.00013	3.24	0.00064	0.00048	<0.0004	<0.0002	0.62	0.00044	<0.0005	2.1	0.0636	<0.0002	<0.00005	2.34	0.00033	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	29-Sep-2021	<0.05	0.00012	2.82	0.0009	0.00042	0.00041	<0.0002	0.55	0.0003	<0.0005	1.9	0.0543	<0.0002	<0.00005	2.03	0.00024	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	30-Sep-2021	<0.05	0.00012	3.22	0.00154	0.00039	0.00062	<0.0002	0.53	0.00033	<0.0005	2	0.0622	<0.0002	<0.00005	2.07	0.00026	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	1-Oct-2021	<0.05	0.00016	3.32	0.00045	0.0005	0.00052	<0.0002	0.63	0.00043	<0.0005	2.2	0.0667	<0.0002	<0.00005	2.17	0.00027	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	2-Oct-2021	<0.05	0.00016	3.34	0.00442	0.00045	<0.0004	0.00048	0.58	0.00026	<0.0005	2.3	0.0663	<0.0002	<0.00005	2.14	0.00025	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	3-Oct-2021	<0.05	0.00017	3.41	0.00251	0.00046	0.0005	<0.0002	0.6	0.00044	<0.0005	2.5	0.068	<0.0002	<0.00005	2.29	0.00028	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	4-Oct-2021	<0.05	0.00015	3.59	0.00266	0.00047	<0.0004	<0.0002	0.65	0.00031	<0.0005	2.2	0.0737	<0.0002	<0.00005	2.38	0.00032	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4-DC	5-Oct-2021	<0.01	0.000166	3.3	0.00153	0.000554	0.00088	0.00009	0.61	0.000309	0.00036	2.44	0.0697	<0.00005	<0.00001	2.23	0.000308	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000185
MC-TP4-DC	6-Oct-2021	<0.01	0.000147	3.13	0.00331	0.000549	0.00043	0.000061	0.547	0.000538	0.00028	2.45	0.0661	<0.00005	<0.00001	2.02	0.00028	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000114
MC-TP4-DC	7-Oct-2021	<0.01	0.000145	3.31	0.00413	0.000556	0.000341	0.000052	0.562	0.000293	0.00025	2.57	0.0695	<0.00005	<0.00001	2.14	0.000282	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000011
MC-TP4-DC	8-Oct-2021	0.012	0.000154	3.21	0.00338	0.00055	0.00037	0.000096	0.546	0.000283	0.0003	2.5	0.0674	<0.00005	<0.00001	2.07	0.000275	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000104
MC-TP4-DC	9-Oct-2021	<0.01	0.000133	2.95	0.00311	0.000538	0.000289	0.000085	0.498	0.000273	0.00027	2.37	0.0607	<0.00005	<0.00001	1.93	0.00027	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000106
MC-TP4-DC	10-Oct-2021	<0.01	0.000164	2.94	0.00121	0.000477	0.000293	0.000074	0.497	0.000265	0.00024	2.39	0.0609	<0.00005	<0.00001	1.91	0.000254	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000086
MC-TP4-DC	11-Oct-2021	<0.01	0.000195	3.15	0.00244	0.000545	0.000362	0.000121	0.592	0.000269	0.00025	2.51	0.0683	<0.00005	<0.00001	2.14	0.000301	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000111
MC-TP4-DC	19-Oct-2021	<0.01	0.000241	2.58	0.00484	0.000552	0.000342	0.00057	0.578	0.000295	0.00025	2.32	0.0653	<0.00005	<0.00001	1.9	0.000295	<0.00005	<0.000004	<0.00001	0.00031	<0.0002	0.0000159
MC-TP4-DC	20-Oct-2021	<0.01	0.000144	2.23	0.00307	0.000525	0.000254	0.000088	0.496	0.000277	0.00026	2.15	0.0544	<0.00005	<0.00001	1.66	0.000252	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000115
MC-TP4-DC	21-Oct-2021	<0.01	0.000119	1.69	0.00112	0.00041	0.000168	0.000116	0.373	0.000264	0.00017	1.76	0.0388	<0.00005	<0.00001	1.26	0.000205	<0.00005	<0.000004	<0.00001	0.0002	<0.0002	0.0000128
MC-TP4-DC	22-Oct-2021	<0.01	0.000139	2.06	0.00191	0.000488	0.000294	0.000065	0.422	0.000237	0.00024	2.13	0.0496	<0.00005	<0.00001	1.4	0.000238	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000114
MC-TP4-DC	23-Oct-2021	<0.01	0.000136	2.16	0.00441	0.000493	0.000278	0.000067	0.423	0.000278	0.00024	2.23	0.0518	<0.00005	<0.00001	1.44	0.000253	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000118
MC-TP4-DC	24-Oct-2021	<0.01	0.000122	1.92	0.00143	0.000455	0.000223	0.000088	0.389	0.00024	0.0003	1.98	0.0447	<0.00005	<0.00001	1.27	0.000237	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000118
MC-TP4-DC	25-Oct-2021	<0.01	0.000109	1.57	0.0156	0.000438	0.00022	0.000137	0.337	0.000205	0.00019	1.77	0.0365	<0.00005	<0.00001	1.14	0.000203	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000101
MC-TP4-DC	26-Oct-2021	<0.01	0.000115	1.81	0.00549	0.000432	0.000349	0.000111	0.36	0.000238	0.00022	1.92	0.0429	<0.00005	<0.00001	1.24	0.000207	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000098
MC-TP4-DC	2-Nov-2021	<0.01	0.000109	2.22	0.00397	0.000466	0.000328	0.000172	0.396	0.000244	0.00019	1.74	0.0485	<0.00005	<0.00001	1.36	0.000218	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000142
MC-TP4-DC	3-Nov-2021	<0.01	0.000081	1.71	0.0038	0.000401	0.000425	0.000139	0.309	0.000211	0.00014	1.47	0.0353	<0.00005	<0.00001	1.03	0.000178	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000098
MC-TP4-DC	4-Nov-2021	<0.01	0.000098	1.72	0.0225	0.000424	0.000332	0.000115	0.313	0.000193	0.00016	1.75	0.0371	<0.00005	<0.00001	1.02	0.000178	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000105

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MC-TP4-DC	28-Aug-2021	<0.001	0.3	<0.0001	-	-	-	-	-
MC-TP4-DC	29-Aug-2021	<0.001	0.312	<0.0001	-	-	-	-	-
MC-TP4-DC	30-Aug-2021	<0.001	0.331	<0.0001	-	-	-	-	-
MC-TP4-DC	31-Aug-2021	<0.001	0.226	<0.0001	-	-	-	-	-
MC-TP4-DC	1-Sep-2021	<0.001	0.272	<0.0001	-	-	-	-	-
MC-TP4-DC	2-Sep-2021	<0.001	0.297	<0.0001	-	-	-	-	-
MC-TP4-DC	3-Sep-2021	<0.001	0.293	<0.0001	-	-	-	-	-
MC-TP4-DC	4-Sep-2021	<0.001	0.233	<0.0001	-	-	-	-	-
MC-TP4-DC	5-Sep-2021	<0.001	0.221	<0.0001	-	-	-	-	-
MC-TP4-DC	6-Sep-2021	<0.001	0.262	<0.0001	-	-	-	-	-
MC-TP4-DC	14-Sep-2021	<0.001	0.0619	<0.0001	-	-	-	-	-
MC-TP4-DC	15-Sep-2021	<0.001	0.0576	<0.0001	-	-	-	-	-
MC-TP4-DC	16-Sep-2021	<0.001	0.0525	<0.0001	-	-	-	-	-
MC-TP4-DC	17-Sep-2021	<0.001	0.108	<0.0001	-	-	-	-	-
MC-TP4-DC	18-Sep-2021	<0.001	0.024	<0.0001	-	-	-	-	-
MC-TP4-DC	19-Sep-2021	<0.001	0.0266	<0.0001	-	-	-	-	-
MC-TP4-DC	20-Sep-2021	<0.001	0.0592	<0.0001	-	-	-	-	-
MC-TP4-DC	21-Sep-2021	<0.0002	0.145	<0.00002	-	-	-	-	-
MC-TP4-DC	22-Sep-2021	<0.0002	0.144	<0.00002	-	-	-	-	-
MC-TP4-DC	23-Sep-2021	<0.0002	0.163	<0.00002	-	-	-	-	-
MC-TP4-DC	24-Sep-2021	<0.0002	0.146	<0.00002	-	-	-	-	-
MC-TP4-DC	25-Sep-2021	<0.0002	0.165	<0.00002	-	-	-	-	-
MC-TP4-DC	26-Sep-2021	<0.0002	0.141	<0.00002	-	-	-	-	-
MC-TP4-DC	27-Sep-2021	<0.0002	0.121	<0.00002	-	-	-	-	-
MC-TP4-DC	28-Sep-2021	<0.001	0.144	<0.0001	-	-	-	-	-
MC-TP4-DC	29-Sep-2021	<0.001	0.117	<0.0001	-	-	-	-	-
MC-TP4-DC	30-Sep-2021	<0.001	0.137	<0.0001	-	-	-	-	-
MC-TP4-DC	1-Oct-2021	<0.001	0.0977	<0.0001	-	-	-	-	-
MC-TP4-DC	2-Oct-2021	<0.001	0.154	<0.0001	-	-	-	-	-
MC-TP4-DC	3-Oct-2021	<0.001	0.153	<0.0001	-	-	-	-	-
MC-TP4-DC	4-Oct-2021	<0.001	0.161	<0.0001	-	-	-	-	-
MC-TP4-DC	5-Oct-2021	<0.0002	0.138	<0.00002	-	-	-	-	-
MC-TP4-DC	6-Oct-2021	<0.0002	0.119	<0.00002	-	-	-	-	-
MC-TP4-DC	7-Oct-2021	<0.0002	0.131	<0.00002	-	-	-	-	-
MC-TP4-DC	8-Oct-2021	<0.0002	0.126	<0.00002	-	-	-	-	-
MC-TP4-DC	9-Oct-2021	<0.0002	0.123	<0.00002	-	-	-	-	-
MC-TP4-DC	10-Oct-2021	<0.0002	0.141	<0.00002	-	-	-	-	-
MC-TP4-DC	11-Oct-2021	<0.0002	0.142	<0.00002	-	-	-	-	-
MC-TP4-DC	19-Oct-2021	<0.0002	0.126	<0.00002	-	-	-	-	-
MC-TP4-DC	20-Oct-2021	<0.0002	0.076	<0.00002	-	-	-	-	-
MC-TP4-DC	21-Oct-2021	<0.0002	0.0721	<0.00002	-	-	-	-	-
MC-TP4-DC	22-Oct-2021	<0.0002	0.0982	<0.00002	-	-	-	-	-
MC-TP4-DC	23-Oct-2021	<0.0002	0.0963	<0.00002	-	-	-	-	-
MC-TP4-DC	24-Oct-2021	<0.0002	0.0909	<0.00002	-	-	-	-	-
MC-TP4-DC	25-Oct-2021	<0.0002	0.0863	<0.00002	-	-	-	-	-
MC-TP4-DC	26-Oct-2021	<0.0002	0.0988	<0.00002	-	-	-	-	-
MC-TP4-DC	2-Nov-2021	<0.0002	0.088	<0.00002	-	-	-	-	-
MC-TP4-DC	3-Nov-2021	<0.0002	0.073	<0.00002	-	-	-	-	-
MC-TP4-DC	4-Nov-2021	<0.0002	0.071	<0.00002	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21K2012	4	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	5-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2012	5	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	6-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2012	6	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	7-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2012	7	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	8-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2555	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	9-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2555	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	10-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2555	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	11-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2555	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	12-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2555	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	13-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2555	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	14-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2555	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	15-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K3338	2	No	Replicate	MC-TP4 DC D (EC206805)	MC-TP4-DC	16-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K3338	1	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	16-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K3338	3	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	17-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K3338	4	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	18-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K3338	5	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	19-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K3338	6	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	20-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K3338	7	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	21-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K3338	8	No	Regular	MC-TP4 DC (EC206805)	MC-TP4-DC	22-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L0716	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	23-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L0716	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	24-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L0716	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	25-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L0716	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	26-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L0716	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	27-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L0716	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	28-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L0716	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	29-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L1734	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	30-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L1734	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	1-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L1734	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	2-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L1734	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	3-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L1734	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	4-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L1734	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	5-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L1734	7	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	6-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L2318	1	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	7-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L2318	2	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	8-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L2318	3	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	9-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L2318	4	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	10-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L2318	5	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	11-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L2318	6	No	Regular	MC-TP4 DC (E206805)	MC-TP4-DC	12-Dec-2021	-	-	-	-	-	-	-	-	-	-
21B1332	5	No	Regular	MILL DITCH	MILL DITCH	10-Feb-2021	7.45	636	296	-	-	27200	-	94.5	<1	94.5
21D1854	5	No	Regular	MILL DITCH	MILL DITCH	14-Apr-2021	6.76	586	270	-	-	40	-	58.3	<1	58.3
21G0973	5	No	Regular	MILL DITCH	MILL DITCH	7-Jul-2021	6.93	752	-	-	-	43.6	-	20.5	<1	20.5
21G0973	4	No	Replicate	MILL DITCH D	MILL DITCH	7-Jul-2021	6.97	753	-	-	-	28	-	21	<1	21
21K2057	2	No	Regular	MILL DITCH	MILL DITCH	15-Nov-2021	7.07	503	-	-	-	173	-	24.4	<1	24.4
21A0424	1	No	Regular	MYRA OUT	MP-EFF	1-Jan-2021	-	-	-	-	-	35	-	-	-	-
21A0424	4	No	Regular	MYRA OUT	MP-EFF	2-Jan-2021	-	-	-	-	-	42	-	-	-	-
21A0424	3	No	Regular	MYRA OUT	MP-EFF	5-Jan-2021	-	-	-	-	-	45.5	-	-	-	-
21A0420	1	No	Regular	11A RUNOFF (ID E100666)	MP-EFF	6-Jan-2021	7.51	619	-	-	-	17	-	25.5	<1	25.5
21A1473	1	No	Regular	MYRA OUT	MP-EFF	10-Jan-2021	-	-	-	-	-	30.7	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MC-TP4-DC	5-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.049	14.4	0.000129	0.0042	0.0323
MC-TP4-DC	6-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0929	16.4	0.000202	0.0045	0.0282
MC-TP4-DC	7-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0607	15.6	0.000194	0.0048	0.0287
MC-TP4-DC	8-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0455	17.1	0.000163	0.005	0.0313
MC-TP4-DC	9-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0331	18.5	0.00013	0.0063	0.0281
MC-TP4-DC	10-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0413	18	0.000131	0.0052	0.0299
MC-TP4-DC	11-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0742	17.7	0.000157	0.005	0.0284
MC-TP4-DC	12-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0319	13.4	0.000103	0.0042	0.025
MC-TP4-DC	13-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.139	14.6	0.000233	0.0045	0.0257
MC-TP4-DC	14-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	9.8	0.000148	0.0036	0.0163
MC-TP4-DC	15-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0697	11.5	0.000151	0.0045	0.0183
MC-TP4-DC	16-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0617	12.9	0.000169	0.0048	0.029
MC-TP4-DC	16-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0595	12.7	0.000159	0.0043	0.0277
MC-TP4-DC	17-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.041	13.9	0.000109	0.0051	0.019
MC-TP4-DC	18-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0265	14.3	0.00009	0.0053	0.0184
MC-TP4-DC	19-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0223	14.9	0.000091	0.0056	0.0184
MC-TP4-DC	20-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0396	15.8	0.000118	0.006	0.0188
MC-TP4-DC	21-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0341	16.6	0.000114	0.0062	0.0227
MC-TP4-DC	22-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.243	15	0.000286	0.0059	0.0212
MC-TP4-DC	23-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0963	17.1	0.000211	0.0072	0.0223
MC-TP4-DC	24-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.064	17.2	0.000142	0.0073	0.0205
MC-TP4-DC	25-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.104	9.4	0.000152	0.005	0.0159
MC-TP4-DC	26-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0608	10.5	0.00013	0.005	0.0156
MC-TP4-DC	27-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.087	9	0.000139	0.0048	0.022
MC-TP4-DC	28-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.123	7.3	0.000165	0.0042	0.016
MC-TP4-DC	29-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.153	10.1	0.000221	0.0048	0.0197
MC-TP4-DC	30-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.036	6.3	0.000136	0.0038	0.0294
MC-TP4-DC	1-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0442	5.8	0.000116	0.003	0.0128
MC-TP4-DC	2-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.036	9.7	0.000108	0.0035	0.017
MC-TP4-DC	3-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0467	11.3	0.000141	0.0038	0.0181
MC-TP4-DC	4-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0621	12.4	0.000118	0.004	0.0174
MC-TP4-DC	5-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.104	13.9	0.000179	0.0049	0.0197
MC-TP4-DC	6-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0233	13.6	0.00009	0.0049	0.0174
MC-TP4-DC	7-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0787	13.8	0.000167	0.0053	0.0205
MC-TP4-DC	8-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.051	12.8	0.000099	0.0062	0.016
MC-TP4-DC	9-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0683	12.6	0.000124	0.0056	0.0173
MC-TP4-DC	10-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0425	13.1	0.000098	0.0049	0.0174
MC-TP4-DC	11-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0435	12.3	0.000088	0.0041	0.0167
MC-TP4-DC	12-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0433	13.3	0.000097	0.0042	0.0173
MILL DITCH	10-Feb-2021	<1	<1	-	-	253	22.2	0.56	-	-	-	8	-	-	-	132	871	3.48	0.0599	4.38
MILL DITCH	14-Apr-2021	<1	<1	5.52	0.25	260	2.4	0.497	-	-	-	0.256	-	-	-	1.55	95.3	0.00463	<0.05	0.0337
MILL DITCH	7-Jul-2021	<1	<1	6.17	0.48	341	3.95	2.49	-	-	-	0.0336	-	-	-	0.526	114	0.00611	0.605	0.161
MILLITCH	7-Jul-2021	<1	<1	6.09	0.48	339	3.85	2.56	-	-	-	0.0337	-	-	-	0.528	113	0.00604	1.13	0.137
MILL DITCH	15-Nov-2021	<1	<1	2.91	0.24	215	1.07	0.843	-	-	-	0.124	-	-	-	1.93	71.5	0.0146	<0.05	1.8
MP-EFF	1-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.13	105	0.0043	0.0238	0.711
MP-EFF	2-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.137	96.4	0.000289	0.0136	0.0213
MP-EFF	5-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.605	108	0.00136	0.0221	0.0504
MP-EFF	6-Jan-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.807	110	0.000684	0.017	0.0378
MP-EFF	10-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.989	114	0.00179	0.0293	0.235

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MC-TP4-DC	5-Nov-2021	<0.00001	<0.00001	0.000345	29.4	0.00024	0.0000551	0.0027	0.0348	<0.01	0.000117	2.36	0.00661	0.000495	0.000265	0.000372	0.387	0.00013	<0.00005	2.21	<0.00001	1.27	0.0519
MC-TP4-DC	6-Nov-2021	<0.00001	<0.00001	0.000346	33.2	0.0002	0.0000832	0.00346	0.0967	<0.01	0.000135	2.69	0.00838	0.000557	0.000266	0.000732	0.436	0.00018	<0.00005	2.19	<0.00001	1.43	0.0563
MC-TP4-DC	7-Nov-2021	<0.00001	<0.00001	0.00034	34.1	0.00079	0.0000752	0.00276	0.0719	<0.01	0.000123	2.56	0.00754	0.000611	0.000426	0.000605	0.438	0.00016	<0.00005	2.06	<0.00001	1.39	0.0568
MC-TP4-DC	8-Nov-2021	<0.00001	<0.00001	0.000335	37.7	0.00027	0.0000588	0.00271	0.037	<0.01	0.000167	2.81	0.00615	0.000627	0.000244	0.000526	0.483	0.00016	<0.00005	2.34	<0.00001	1.51	0.0604
MC-TP4-DC	9-Nov-2021	<0.00001	<0.00001	0.000286	40.7	0.00025	0.0000371	0.00134	0.0636	<0.01	0.000163	2.83	0.00471	0.00061	0.000151	0.000241	0.479	0.00034	<0.00005	2.86	<0.00001	1.52	0.062
MC-TP4-DC	10-Nov-2021	<0.00001	<0.00001	0.00032	38.2	0.00027	0.0000401	0.00231	0.0369	<0.01	0.000157	2.78	0.00506	0.000616	0.000178	0.00034	0.464	0.00025	<0.00005	2.76	<0.00001	1.48	0.0608
MC-TP4-DC	11-Nov-2021	<0.00001	<0.00001	0.000308	36.8	0.00026	0.0000607	0.00381	0.0767	<0.01	0.000167	2.84	0.00645	0.000597	0.000206	0.000516	0.473	0.00027	<0.00005	2.9	<0.00001	1.55	0.0599
MC-TP4-DC	12-Nov-2021	<0.00001	<0.00001	0.000255	28.8	0.00014	0.0000314	0.00238	0.0262	<0.01	0.000117	2.17	0.0046	0.000475	0.000255	0.000232	0.368	0.00025	<0.00005	2.25	<0.00001	1.29	0.0455
MC-TP4-DC	13-Nov-2021	<0.00001	<0.00001	0.000266	32.6	0.00037	0.000139	0.00456	0.139	<0.01	0.000168	2.39	0.0191	0.000579	0.000252	0.0011	0.393	0.00021	<0.00005	2.55	0.00001	1.38	0.0504
MC-TP4-DC	14-Nov-2021	<0.00001	<0.00001	0.000224	19.7	0.00038	0.0000772	0.00425	0.0833	<0.01	0.000128	1.61	0.00903	0.000416	0.000241	0.000645	0.299	0.00015	<0.00005	1.94	<0.00001	1.22	0.0348
MC-TP4-DC	15-Nov-2021	<0.00001	<0.00001	0.000273	25	0.00019	0.0000809	0.00432	0.0478	<0.01	0.000159	1.94	0.0117	0.000503	0.00019	0.000438	0.36	0.00016	<0.00005	2.2	<0.00001	1.34	0.042
MC-TP4-DC	16-Nov-2021	<0.00001	<0.00001	0.0003	22.8	0.00015	0.0000885	0.00344	0.062	<0.01	0.000178	2.14	0.0124	0.000541	0.00029	0.000526	0.4	0.00017	<0.00005	2.16	<0.00001	1.4	0.0436
MC-TP4-DC	16-Nov-2021	<0.00001	<0.00001	0.000293	23.4	0.00016	0.0000825	0.00326	0.0582	<0.01	0.000176	2.08	0.012	0.000537	0.000282	0.000521	0.395	0.00018	<0.00005	2.16	<0.00001	1.36	0.0423
MC-TP4-DC	17-Nov-2021	<0.00001	<0.00001	0.000301	23.8	0.00017	0.0000631	0.00228	0.0192	<0.01	0.000177	2.29	0.0113	0.000613	0.000272	0.000184	0.476	0.00016	<0.00005	2.2	<0.00001	1.52	0.0461
MC-TP4-DC	18-Nov-2021	<0.00001	<0.00001	0.000292	23.3	0.00019	0.0000523	0.00204	0.0165	<0.01	0.000184	2.31	0.0103	0.000639	0.000267	0.000124	0.505	0.00015	<0.00005	2.3	<0.00001	1.61	0.0473
MC-TP4-DC	19-Nov-2021	<0.00001	<0.00001	0.000304	24.2	0.00019	0.000045	0.00201	0.0138	<0.01	0.000186	2.34	0.00802	0.000699	0.000269	0.000151	0.542	0.00019	<0.00005	2.3	<0.00001	1.69	0.0485
MC-TP4-DC	20-Nov-2021	<0.00001	<0.00001	0.000309	25.3	0.00015	0.0000579	0.00207	0.0389	<0.01	0.000218	2.41	0.00917	0.000733	0.000299	0.000318	0.574	0.0002	<0.00005	2.26	<0.00001	1.74	0.0506
MC-TP4-DC	21-Nov-2021	<0.00001	<0.00001	0.000314	25	0.00016	0.0000621	0.0032	0.0248	<0.01	0.00022	2.48	0.0146	0.000808	0.000306	0.000354	0.621	0.00015	<0.00005	2.15	<0.00001	1.79	0.0522
MC-TP4-DC	22-Nov-2021	<0.00001	<0.00001	0.000316	25	0.00027	0.000179	0.00779	0.315	<0.01	0.000265	2.38	0.0173	0.000917	0.000383	0.00192	0.568	0.00019	<0.00005	2.29	0.000022	1.74	0.0492
MC-TP4-DC	23-Nov-2021	<0.00001	<0.00001	0.000306	25.5	0.00027	0.000138	0.00352	0.0833	<0.01	0.000242	2.31	0.0212	0.000664	0.000281	0.000574	0.558	0.00024	<0.00005	2.08	0.000011	1.75	0.0545
MC-TP4-DC	24-Nov-2021	<0.00001	<0.00001	0.00031	26.1	0.00014	0.0000599	0.00381	0.0532	<0.01	0.000256	2.35	0.0107	0.00065	0.000264	0.000556	0.6	0.00021	<0.00005	2.03	<0.00001	1.73	0.0571
MC-TP4-DC	25-Nov-2021	<0.00001	<0.00001	0.000184	16.8	0.00016	0.0000955	0.00385	0.0855	<0.01	0.000141	1.39	0.0201	0.000435	0.000333	0.000617	0.35	<0.0001	<0.00005	1.69	<0.00001	1.21	0.0335
MC-TP4-DC	26-Nov-2021	<0.00001	<0.00001	0.00024	18.7	0.00023	0.0000432	0.00378	0.0317	<0.01	0.000163	1.48	0.0064	0.000436	0.000243	0.00028	0.351	0.00017	<0.00005	1.71	<0.00001	1.23	0.0379
MC-TP4-DC	27-Nov-2021	<0.00001	<0.00001	0.000214	16.9	0.00027	0.0000654	0.00424	0.0659	<0.01	0.000139	1.36	0.0149	0.000395	0.000217	0.000594	0.303	0.00014	<0.00005	1.58	<0.00001	1.12	0.0332
MC-TP4-DC	28-Nov-2021	<0.00001	<0.00001	0.000149	14.6	0.0002	0.000112	0.00396	0.0885	<0.01	0.00012	1.16	0.0319	0.000363	0.00026	0.000881	0.221	0.00016	<0.00005	1.6	<0.00001	0.92	0.0267
MC-TP4-DC	29-Nov-2021	<0.00001	<0.00001	0.000266	19.9	0.00034	0.00012	0.00658	0.19	<0.01	0.000168	1.64	0.0186	0.000449	0.000321	0.00115	0.269	0.00013	<0.00005	2.02	0.000014	1.1	0.0375
MC-TP4-DC	30-Nov-2021	<0.00001	<0.00001	0.000165	16.6	0.00018	0.0000299	0.00407	0.013	<0.01	0.000088	1.12	0.00337	0.000365	0.000166	0.000164	0.195	0.00012	<0.00005	1.51	<0.00001	0.815	0.0258
MC-TP4-DC	1-Dec-2021	<0.00001	<0.00001	0.000194	16	0.00017	0.0000484	0.00241	0.0202	<0.01	0.000089	1.09	0.00448	0.00038	0.000209	0.00021	0.181	0.00013	0.000086	1.49	<0.00001	0.786	0.0245
MC-TP4-DC	2-Dec-2021	<0.00001	<0.00001	0.000295	23.2	0.00017	0.0000482	0.00226	0.0182	<0.01	0.000127	1.64	0.00564	0.00047	0.000235	0.000185	0.252	0.00017	0.000172	1.96	<0.00001	1.02	0.0366
MC-TP4-DC	3-Dec-2021	<0.00001	<0.00001	0.000293	25.7	0.0002	0.0000689	0.00229	0.0358	<0.01	0.000153	1.89	0.00986	0.000534	0.000254	0.000312	0.323	0.00021	<0.00005	2.03	<0.00001	1.17	0.0412
MC-TP4-DC	4-Dec-2021	<0.00001	<0.00001	0.000289	26.7	0.0002	0.000166	0.0025	0.0483	<0.01	0.000175	2.02	0.0272	0.000617	0.000306	0.000365	0.375	0.00019	<0.00005	2.05	<0.00001	1.33	0.0448
MC-TP4-DC	5-Dec-2021	<0.00001	<0.00001	0.000325	28.3	0.00022	0.000168	0.00386	0.0997	<0.01	0.000224	2.2	0.0335	0.000737	0.00154	0.000631	0.455	0.00022	<0.00005	2.17	0.00001	1.57	0.0506
MC-TP4-DC	6-Dec-2021	<0.00001	<0.00001	0.000285	26.8	0.00018	0.0000543	0.00218	0.0128	<0.01	0.000206	2.06	0.00786	0.000755	0.000321	0.000173	0.428	0.0002	<0.00005	1.96	<0.00001	1.54	0.0476
MC-TP4-DC	7-Dec-2021	<0.00001	<0.00001	0.000314	24.2	0.00022	0.0000744	0.00395	0.118	<0.01	0.00022	2.11	0.0118	0.000787	0.000738	0.000574	0.43	0.00013	0.00005	2	0.000017	1.59	0.0494
MC-TP4-DC	8-Dec-2021	<0.00001	<0.00001	0.000237	23.4	0.00015	0.0000527	0.00188	0.0502	<0.01	0.000183	1.95	0.0089	0.000661	0.000227	0.000359	0.401	0.00018	<0.00005	1.91	<0.00001	1.53	0.0428
MC-TP4-DC	9-Dec-2021	<0.00001	<0.00001	0.000276	23.5	0.00016	0.0000671	0.00291	0.0767	<0.01	0.000187	1.89	0.011	0.000661	0.000276	0.000539	0.396	0.00018	<0.00005	1.93	<0.00001	1.5	0.0432
MC-TP4-DC	10-Dec-2021	<0.00001	<0.00001	0.000275	23.8	0.00023	0.0000503	0.00201	0.0387	<0.01	0.000186	1.94	0.00694	0.000606	0.00021	0.000436	0.371	0.00014	<0.00005	1.89	<0.00001	1.48	0.0451
MC-TP4-DC	11-Dec-2021	<0.00001	<0.00001	0.00026	24.1	0.00017	0.0000857	0.00234	0.0292	<0.01	0.000176	1.87	0.0188	0.000491	0.000235	0.000232	0.328	0.00015	<0.00005	1.9	<0.00001	1.33	0.0425
MC-TP4-DC	12-Dec-2021	<0.00001	<0.00001	0.000268	24.5	0.00017	0.0000803	0.00236	0.0293	<0.01	0.000184	1.97	0.0164	0.000579	0.000255	0.000235	0.355	0.00017	<0.00005	1.91	<0.00001	1.41	0.0445
MILL DITCH	10-Feb-2021	0.00186	0.025	0.449	325	0.428	0.155	35.8	835	7.33	0.0426	126	10.3	0.454	0.479	37.2	14.7	0.0538	0.00805	137	0.27	7.43	1.91
MILL DITCH	14-Apr-2021	0.00017	<0.0001	0.0496	90.8	<0.0005	0.00623	1.42	2.94	0.256	0.00116	15.7	1.08	0.00075	0.0157	0.0125	1.16	0.00065	<0.0002	7.3	<0.00005	5.98	0.353
MILL DITCH	7-Jul-2021	<0.0001	<0.0001	0.00804	107	0.00054	0.00109	0.216	0.713	0.08	0.0036	4.56	0.22	0.0321	0.003	0.0402	20.6	0.0162	<0.0002	3.2	0.000494	24.6	0.39
MILLITCH	7-Jul-2021	<0.0001	<0.0001	0.00794	105	0.00052	0.00122	0.214	0.695	0.068	0.00351	4.53	0.218	0.0315	0.00315	0.0345	20.6	0.0157	<0.0002	3.1	0.000445	24.3	0.384
MILL DITCH	15-Nov-2021	<0.0001	0.00019	0.0538	76.2	0.00177	0.00603	1.47	5.64	0.124	0.00147	13	0.895	0.00172	0.0156	0.776	1.45	0.00109	<0.0002	5	0.00295	4.86	0.217
MP-EFF	1-Jan-2021	0.000017	0.000068	0.00642	96.3	0.00152	0.00142	0.116	2.43	0.031	0.00215	9.7	0.165	0.00141	0.00227	0.194	3.22	0.0005	0.000094	3.91	0.000567	6.51	0.432
MP-EFF	2-Jan-2021	0.000013	0.000024	0.00083	98.6	0.00014	0.00011	0.00243	0.015	<0.01	0.00188	4.53	0.0262	0.00108	0.000307	0.000588	1.55	0.00063	0.000184	1.19	0.000027	3.75	0.328
MP-EFF	5-Jan-2021	0.000014	0.000015	0.00304	104	0.00042	0.00135	0.0906	0.735	0.016	0.00228	9.95	0.189	0.00102	0.00194	0.0328	2.28	0.00068	<0.00005	3.23	0.000044	6.45	0.38
MP-EFF	6-Jan-2021	0.000012	0.000011	0.00245	122	0.00041	0.001	0.0732	0.514	<0.01	0.00246	8.85	0.129	0.00208	0.0014	0.0137	2.34	0.00072	<0.00005	1.58	0.000014	5.67	0.367
MP-EFF	10-Jan-2021	0.000015	0.000049	0.00251	113	0.00146	0.0011	0.0745	1.36	0.023	0.00278	12.6	0.147	0.00122	0.00177	0.0367	3.76	0.00064	<0.00005	3.35	0.00024	17.7	0.391

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MC-TP4-DC	5-Nov-2021	<0.00005	<0.000004	<0.00001	0.0009	<0.0002	0.0000131	<0.0002	0.109	<0.00002	-	0.0234	12.7	0.000105	0.0039	<0.00001	<0.00001	0.0281	0.0003	26.7	0.00024	0.0000443	0.00214	0.0093
MC-TP4-DC	6-Nov-2021	<0.00005	<0.000004	<0.00001	0.00246	<0.0002	0.0000192	0.0003	0.112	<0.00002	-	0.018	15.2	0.000085	0.0041	<0.00001	<0.00001	0.0246	0.00029	29.8	0.00025	0.0000297	0.00136	0.0064
MC-TP4-DC	7-Nov-2021	<0.00005	<0.000004	<0.00001	0.00218	<0.0002	0.0000226	0.00022	0.108	<0.00002	-	0.0181	15.2	0.00011	0.0042	<0.00001	<0.00001	0.026	0.000309	32	0.00023	0.0000314	0.00166	0.0115
MC-TP4-DC	8-Nov-2021	<0.00005	<0.000004	<0.00001	0.00066	<0.0002	0.000019	<0.0002	0.113	<0.00002	-	0.015	15.2	0.000073	0.0041	<0.00001	<0.00001	0.0291	0.000342	33.1	0.00018	0.0000429	0.00184	0.0058
MC-TP4-DC	9-Nov-2021	<0.00005	<0.000004	<0.00001	0.00076	<0.0002	0.0000174	<0.0002	0.104	<0.00002	-	0.018	15.8	0.000076	0.005	<0.00001	<0.00001	0.0255	0.000259	33.8	0.0002	0.0000233	0.00136	0.0056
MC-TP4-DC	10-Nov-2021	<0.00005	<0.000004	<0.00001	0.00101	<0.0002	0.0000162	<0.0002	0.108	0.000037	-	0.0136	15.5	0.000075	0.0042	<0.00001	<0.00001	0.0264	0.000271	33.1	0.00064	0.000016	0.00146	0.004
MC-TP4-DC	11-Nov-2021	<0.00005	<0.000004	<0.00001	0.0019	<0.0002	0.0000171	<0.0002	0.101	<0.00002	-	0.0142	15.2	0.00008	0.004	<0.00001	<0.00001	0.0236	0.000261	31.1	0.00017	0.0000154	0.00203	0.0044
MC-TP4-DC	12-Nov-2021	<0.00005	<0.000004	<0.00001	0.00094	<0.0002	0.0000109	<0.0002	0.0861	<0.00002	-	0.0124	12	0.000075	0.0037	<0.00001	<0.00001	0.0223	0.000236	26.5	0.00021	0.0000155	0.00177	0.0024
MC-TP4-DC	13-Nov-2021	<0.00005	<0.000004	<0.00001	0.00386	<0.0002	0.000022	0.0004	0.096	<0.00002	-	0.0136	12.6	0.000062	0.0036	<0.00001	<0.00001	0.0208	0.000213	27	0.00019	0.0000451	0.00115	0.0035
MC-TP4-DC	14-Nov-2021	<0.00005	<0.000004	<0.00001	0.00254	<0.0002	0.0000164	0.0003	0.0835	0.000084	-	0.0253	8.35	0.00007	0.0032	<0.00001	<0.00001	0.0133	0.000183	17.2	0.00014	0.0000261	0.00169	0.007
MC-TP4-DC	15-Nov-2021	<0.00005	<0.000004	<0.00001	0.00122	<0.0002	0.0000166	<0.0002	0.0962	<0.00002	-	0.0253	10.2	0.000071	0.0034	<0.00001	<0.00001	0.0153	0.000232	20.7	0.00019	0.0000494	0.00273	0.0055
MC-TP4-DC	16-Nov-2021	<0.00005	<0.000004	<0.00001	0.00076	<0.0002	0.0000162	<0.0002	0.106	<0.00002	-	0.0226	11.5	0.000106	0.0039	<0.00001	<0.00001	0.0252	0.000282	20.8	0.00012	0.0000697	0.00233	0.0055
MC-TP4-DC	16-Nov-2021	<0.00005	<0.000004	<0.00001	0.00078	<0.0002	0.0000163	<0.0002	0.111	<0.00002	-	0.0228	11.9	0.00013	0.0047	<0.00001	<0.00001	0.0266	0.000289	22.5	0.00015	0.0000771	0.00252	0.0055
MC-TP4-DC	17-Nov-2021	<0.00005	<0.000004	<0.00001	0.00036	<0.0002	0.0000158	<0.0002	0.115	<0.00002	-	0.016	12.7	0.00008	0.0039	<0.00001	<0.00001	0.0176	0.000268	21.8	0.00015	0.0000384	0.00188	0.0043
MC-TP4-DC	18-Nov-2021	<0.00005	<0.000004	<0.00001	0.00028	<0.0002	0.0000136	<0.0002	0.112	<0.00002	-	0.0172	13.4	0.000087	0.0044	<0.00001	<0.00001	0.0175	0.000271	22.6	0.00011	0.0000601	0.00189	0.0053
MC-TP4-DC	19-Nov-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000142	<0.0002	0.113	<0.00002	-	0.0155	13.7	0.000075	0.0047	<0.00001	<0.00001	0.0172	0.000279	22.8	0.00017	0.0000414	0.00174	0.0054
MC-TP4-DC	20-Nov-2021	<0.00005	<0.000004	<0.00001	0.00073	<0.0002	0.0000161	<0.0002	0.115	0.000201	-	0.0241	14.5	0.00008	0.0053	<0.00001	<0.00001	0.0176	0.000286	24.2	0.00014	0.0000498	0.00171	0.0137
MC-TP4-DC	21-Nov-2021	<0.00005	<0.000004	<0.00001	0.00029	<0.0002	0.0000155	<0.0002	0.113	<0.00002	-	0.016	15.4	0.000083	0.0055	<0.00001	<0.00001	0.0204	0.000277	23.9	0.00011	0.0000545	0.00243	0.0034
MC-TP4-DC	22-Nov-2021	<0.00005	<0.000004	<0.00001	0.00778	<0.0002	0.0000297	0.00039	0.117	<0.00002	-	0.0207	14.2	0.000083	0.005	<0.00001	<0.00001	0.0172	0.00025	23.1	0.00016	0.0000512	0.00238	0.0104
MC-TP4-DC	23-Nov-2021	0.00011	<0.000004	<0.00001	0.00173	<0.0002	0.0000175	0.00051	0.0957	<0.00002	-	0.0209	13.9	0.000158	0.0045	<0.00001	<0.00001	0.0182	0.000249	20.8	0.00014	0.0000704	0.00171	0.0086
MC-TP4-DC	24-Nov-2021	<0.00005	<0.000004	<0.00001	0.0011	<0.0002	0.0000163	0.00035	0.0943	<0.00002	-	0.0175	14.1	0.000099	0.0047	<0.00001	<0.00001	0.0174	0.000275	21.9	0.00017	0.0000295	0.00222	0.0115
MC-TP4-DC	25-Nov-2021	<0.00005	<0.000004	<0.00001	0.00204	<0.0002	0.0000155	0.00046	0.059	<0.00002	-	0.0293	7.67	0.000091	0.0034	<0.00001	<0.00001	0.013	0.000155	13.7	0.00016	0.0000442	0.00218	0.0121
MC-TP4-DC	26-Nov-2021	<0.00005	<0.000004	<0.00001	0.00074	<0.0002	0.0000157	0.00033	0.075	<0.00002	-	0.026	9.16	0.000112	0.0036	<0.00001	<0.00001	0.0138	0.000205	15.4	0.00018	0.0000276	0.00278	0.0052
MC-TP4-DC	27-Nov-2021	<0.00005	<0.000004	<0.00001	0.00164	<0.0002	0.0000169	0.00045	0.0647	0.000132	-	0.0282	7.29	0.00011	0.003	<0.00001	<0.00001	0.0186	0.000179	13.6	0.00015	0.000029	0.00254	0.0053
MC-TP4-DC	28-Nov-2021	<0.00005	<0.000004	<0.00001	0.00225	<0.0002	0.0000138	0.00045	0.0546	<0.00002	-	0.037	5.6	0.000081	0.0025	<0.00001	<0.00001	0.0123	0.000132	11.4	0.00012	0.0000622	0.00196	0.0101
MC-TP4-DC	29-Nov-2021	<0.00005	<0.000004	<0.00001	0.00589	<0.0002	0.0000197	0.00074	0.0769	<0.00002	-	0.0199	7.52	0.000085	0.0025	<0.00001	<0.00001	0.014	0.00019	15.3	0.00014	0.0000319	0.00276	0.0036
MC-TP4-DC	30-Nov-2021	<0.00005	<0.000004	<0.00001	0.00029	<0.0002	0.0000134	<0.0002	0.0556	<0.00002	-	0.0257	5.87	0.000111	0.0042	<0.00001	<0.00001	0.0263	0.000151	15.2	0.00014	0.0000206	0.00343	0.0052
MC-TP4-DC	1-Dec-2021	<0.00005	0.0000059	<0.00001	0.00037	<0.0002	0.0000139	<0.0002	0.066	<0.00002	-	0.0283	5.96	0.000091	0.0032	<0.00001	<0.00001	0.0118	0.000177	15	0.00013	0.0000295	0.00184	0.0104
MC-TP4-DC	2-Dec-2021	<0.00005	<0.000004	<0.00001	0.00036	<0.0002	0.0000174	<0.0002	0.102	<0.00002	-	0.023	9.33	0.000082	0.0034	<0.00001	<0.00001	0.016	0.000267	20.8	0.00015	0.0000391	0.00192	0.0081
MC-TP4-DC	3-Dec-2021	<0.00005	<0.000004	<0.00001	0.00067	<0.0002	0.0000196	<0.0002	0.106	<0.00002	-	0.0203	11.3	0.000094	0.0036	<0.00001	<0.00001	0.0167	0.000263	23.7	0.00016	0.0000498	0.0015	0.005
MC-TP4-DC	4-Dec-2021	<0.00005	<0.000004	<0.00001	0.00115	<0.0002	0.0000173	<0.0002	0.103	<0.00002	-	0.0252	12.3	0.000087	0.0037	<0.00001	<0.00001	0.0164	0.000277	25.2	0.00013	0.000135	0.00169	0.0048
MC-TP4-DC	5-Dec-2021	<0.00005	<0.000004	<0.00001	0.00186	<0.0002	0.00002	<0.0002	0.123	<0.00002	-	0.0214	12.6	0.000099	0.0044	<0.00001	<0.00001	0.0167	0.000296	25.7	0.00016	0.000125	0.00189	0.0063
MC-TP4-DC	6-Dec-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000161	<0.0002	0.108	<0.00002	-	0.0356	13.2	0.000122	0.0047	<0.00001	<0.00001	0.0169	0.000297	26.1	0.00013	0.000052	0.00257	0.0307
MC-TP4-DC	7-Dec-2021	<0.00005	<0.000004	<0.00001	0.00202	<0.0002	0.0000211	0.00036	0.108	<0.00002	-	0.0128	11.5	0.0001	0.0037	<0.00001	<0.00001	0.0159	0.000237	22.4	0.00013	0.0000321	0.0016	0.0041
MC-TP4-DC	8-Dec-2021	<0.00005	<0.000004	<0.00001	0.00087	<0.0002	0.0000161	<0.0002	0.0858	<0.00002	-	0.0143	12.2	0.000069	0.0035	<0.00001	<0.00001	0.015	0.000226	22.5	0.00013	0.000033	0.00111	0.0112
MC-TP4-DC	9-Dec-2021	<0.00005	<0.000004	<0.00001	0.0013	<0.0002	0.0000167	0.00022	0.0941	<0.00002	-	0.0169	12.5	0.000087	0.0038	<0.00001	<0.00001	0.0157	0.000249	23.6	0.00014	0.0000407	0.00172	0.0161
MC-TP4-DC	10-Dec-2021	<0.00005	<0.000004	<0.00001	0.00102	<0.0002	0.0000153	<0.0002	0.089	<0.00002	-	0.0146	12.4	0.000071	0.0034	<0.00001	<0.00001	0.016	0.000248	23.1	0.00013	0.0000319	0.00139	0.0108
MC-TP4-DC	11-Dec-2021	<0.00005	<0.000004	<0.00001	0.00057	<0.0002	0.0000151	<0.0002	0.086	<0.00002	-	0.0219	12.4	0.000054	0.0033	<0.00001	<0.00001	0.0162	0.000266	23.8	0.00015	0.0000706	0.00181	0.0124
MC-TP4-DC	12-Dec-2021	<0.00005	<0.000004	<0.00001	0.00056	<0.0002	0.0000136	<0.0002	0.09	<0.00002	-	0.0154	12.3	0.000059	0.0033	<0.00001	<0.00001	0.0158	0.000237	23.2	0.00012	0.0000677	0.00162	0.0038
MILL DITCH	10-Feb-2021	0.0589	0.0189	0.00674	0.299	0.0509	0.0299	0.243	145	0.014	-	0.0134	88.3	0.0018	<0.05	<0.0001	<0.0001	0.0336	0.0109	97.7	<0.0005	0.00374	0.0169	0.013
MILL DITCH	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000176	<0.001	15.7	<0.0001	<0.00001	0.0327	86.9	<0.0005	<0.05	<0.0001	<0.0001	0.0231	0.0422	85.9	<0.0005	0.00572	0.271	<0.01
MILL DITCH	7-Jul-2021	<0.0005	0.000038	<0.0001	<0.005	0.0023	0.00015	0.0013	2.39	<0.0001	<0.00001	0.0991	122	0.00139	0.103	<0.0001	<0.0001	0.0482	0.00558	92.2	<0.0005	0.00077	0.0425	<0.01
MILLITCH	7-Jul-2021	<0.0005	0.00004	<0.0001	<0.005	0.0033	0.00014	0.0013	2.35	<0.0001	<0.00001	0.0477	131	0.00127	0.106	<0.0001	<0.0001	0.0526	0.00631	103	<0.0005	0.00071	0.027	<0.01
MILL DITCH	15-Nov-2021	<0.0005	<0.00002	<0.0001	0.0331	<0.001	0.000314	0.0022	15.7	0.00021	<0.00001	0.0273	74.3	<0.0005	<0.05	<0.0001	<0.0001	0.0293	0.0264	60.4	<0.0005	0.00573	0.271	0.034
MP-EFF	1-Jan-2021	<0.00005	0.0000332	0.000048	0.0356	0.00023	0.000068	0.0043	1.29	0.000515	-	0.0808	104	0.000366	0.0221	<0.00001	0.000127	0.0241	0.00143	97.7	<0.0001	0.000253	0.00306	<0.002
MP-EFF	2-Jan-2021	0.000064	0.0000167	0.000011	0.00024	<0.0002	0.0000134	0.00053	0.0446	0.000078	-	0.15	92.3	0.000183	0.012	<0.00001	<0.00001	0.0195	0.000792	95	<0.0001	0.000101	0.00121	0.0074
MP-EFF	5-Jan-2021	0.000051	0.0000207	<0.00001	0.00431	<0.0002	0.0000733	0.00209	0.812	0.000141	-	0.104	106	0.00019	0.0204	<0.00001	<0.00001	0.0223	0.000867	97.1	<0.0001	0.000195	0.00249	0.0029
MP-EFF	6-Jan-2021	0.00007	0.0000217	<0.00001	0.00201	<0.0002	0.00006	0.00212	0.594	0.000083	-	0.45	106	0.000178	0.0179	<0.00001	<0.00001	0.0242	0.000513	122	0.00021	0.0000704	0.00305	0.0045
MP-EFF	10-Jan-2021	0.000099	0.0000305	0.000018	0.0236	<0.0002	0.0000672	0.00389	0.632	0.000289	-	0.139	109	0.000173	0.0197	<0.00001	<0.00001	0.0223	0.000719	102	0.00117	0.000179	0.00356	<0.002

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MC-TP4-DC	5-Nov-2021	<0.01	0.0001	2.13	0.00493	0.000435	0.000257	0.000259	0.353	0.000252	0.00027	1.85	0.0465	<0.00005	<0.00001	1.18	0.000225	<0.00005	<0.000004	<0.00001	0.00026	<0.0002	0.0000112
MC-TP4-DC	6-Nov-2021	<0.01	0.00011	2.41	0.00275	0.000499	0.000262	0.000121	0.39	0.000257	0.0002	2.06	0.0501	<0.00005	<0.00001	1.35	0.000233	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000015
MC-TP4-DC	7-Nov-2021	<0.01	0.000118	2.42	0.00425	0.000524	0.000226	0.000233	0.401	0.000295	0.00023	1.82	0.053	<0.00005	<0.00001	1.32	0.00026	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000014
MC-TP4-DC	8-Nov-2021	<0.01	0.000134	2.59	0.00414	0.000614	0.000432	0.000375	0.45	0.000309	0.00032	2.21	0.0582	<0.00005	<0.00001	1.41	0.000315	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000131
MC-TP4-DC	9-Nov-2021	<0.01	0.000133	2.52	0.00234	0.000554	0.000166	0.000078	0.426	0.000309	0.0002	2.37	0.0561	<0.00005	<0.00001	1.37	0.000272	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000139
MC-TP4-DC	10-Nov-2021	<0.01	0.000113	2.43	0.000834	0.000541	0.000266	<0.00005	0.403	0.000315	0.00024	2.37	0.0538	<0.00005	<0.00001	1.32	0.000252	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000116
MC-TP4-DC	11-Nov-2021	<0.01	0.000118	2.38	0.000916	0.000522	0.000244	<0.00005	0.398	0.00031	0.00017	2.36	0.0509	<0.00005	<0.00001	1.33	0.000231	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000116
MC-TP4-DC	12-Nov-2021	<0.01	0.000088	2.01	0.00269	0.000439	0.000259	0.000061	0.34	0.000245	0.00017	2.06	0.0413	<0.00005	<0.00001	1.21	0.000212	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000084
MC-TP4-DC	13-Nov-2021	<0.01	0.000109	2.06	0.00691	0.000473	0.000135	<0.00005	0.337	0.000263	0.00018	2.14	0.0442	<0.00005	<0.00001	1.24	0.000219	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000098
MC-TP4-DC	14-Nov-2021	<0.01	0.000102	1.37	0.00315	0.000376	0.000094	0.000081	0.252	0.000198	0.00014	1.69	0.0297	<0.00005	<0.00001	1.06	0.000161	<0.00005	<0.000004	<0.00001	0.00024	<0.0002	0.0000091
MC-TP4-DC	15-Nov-2021	<0.01	0.00012	1.62	0.00803	0.000413	0.000141	0.000085	0.301	0.000247	0.00017	1.83	0.0355	<0.00005	<0.00001	1.14	0.00018	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000113
MC-TP4-DC	16-Nov-2021	<0.01	0.000145	1.92	0.0103	0.000455	0.00026	0.000111	0.363	0.000258	0.0001	1.93	0.0396	<0.00005	<0.00001	1.28	0.000236	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000124
MC-TP4-DC	16-Nov-2021	<0.01	0.000151	2	0.011	0.000477	0.000265	0.000083	0.372	0.000251	0.00014	1.99	0.0417	<0.00005	<0.00001	1.33	0.000254	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000137
MC-TP4-DC	17-Nov-2021	<0.01	0.000141	2.1	0.00803	0.000568	0.000263	0.000051	0.437	0.000383	0.00017	2.01	0.0433	<0.00005	<0.00001	1.41	0.000339	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000126
MC-TP4-DC	18-Nov-2021	<0.01	0.000148	2.15	0.00883	0.000627	0.000298	0.000166	0.472	0.000478	0.0002	2.07	0.0435	<0.00005	<0.00001	1.5	0.000449	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000141
MC-TP4-DC	19-Nov-2021	<0.01	0.000164	2.16	0.00728	0.000652	0.000248	0.000073	0.504	0.000531	0.00026	1.98	0.0454	<0.00005	<0.00001	1.56	0.000469	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000129
MC-TP4-DC	20-Nov-2021	<0.01	0.000198	2.26	0.00814	0.000663	0.000304	0.000148	0.545	0.000514	0.00021	2.07	0.0465	<0.00005	<0.00001	1.71	0.000451	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000141
MC-TP4-DC	21-Nov-2021	<0.01	0.000204	2.33	0.0131	0.000681	0.000276	0.000087	0.58	0.000482	0.00022	2.01	0.0484	<0.00005	<0.00001	1.81	0.000448	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000013
MC-TP4-DC	22-Nov-2021	<0.01	0.000179	2.15	0.00866	0.000628	0.000265	0.000146	0.526	0.000437	0.00021	1.91	0.0457	<0.00005	<0.00001	1.64	0.000381	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000145
MC-TP4-DC	23-Nov-2021	<0.01	0.000206	2.13	0.012	0.000595	0.000218	0.000169	0.48	0.000385	0.00023	1.67	0.0442	<0.00005	<0.00001	1.59	0.000334	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000135
MC-TP4-DC	24-Nov-2021	<0.01	0.000224	2.3	0.00635	0.000605	0.000227	0.000197	0.535	0.000415	0.00018	1.79	0.0476	<0.00005	<0.00001	1.68	0.000379	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000144
MC-TP4-DC	25-Nov-2021	<0.01	0.000149	1.29	0.0108	0.000397	0.000256	0.000216	0.299	0.000229	<0.0001	1.39	0.0275	<0.00005	<0.00001	1.12	0.000207	<0.00005	0.0000061	<0.00001	0.00022	<0.0002	0.0000191
MC-TP4-DC	26-Nov-2021	<0.01	0.000181	1.42	0.00415	0.000395	0.000191	0.000103	0.311	0.0002	0.00013	1.46	0.0312	<0.00005	<0.00001	1.16	0.000195	0.000052	<0.000004	<0.00001	<0.0002	<0.0002	0.0000121
MC-TP4-DC	27-Nov-2021	<0.01	0.000134	1.25	0.00996	0.000359	0.000177	0.000163	0.26	0.000213	<0.0001	1.34	0.0272	<0.00005	<0.00001	1.03	0.000178	0.000078	<0.000004	<0.00001	0.00022	<0.0002	0.0000134
MC-TP4-DC	28-Nov-2021	<0.01	0.00011	1.03	0.0222	0.000333	0.000217	0.000225	0.185	0.000146	<0.0001	1.18	0.0214	<0.00005	<0.00001	0.815	0.000135	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000085
MC-TP4-DC	29-Nov-2021	<0.01	0.000122	1.41	0.00932	0.000359	0.000173	0.000086	0.214	0.000186	<0.0001	1.55	0.0291	<0.00005	<0.00001	0.948	0.000141	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000011
MC-TP4-DC	30-Nov-2021	<0.01	0.000089	1.05	0.00217	0.000338	0.000152	0.000101	0.186	0.000159	0.0001	1.44	0.0241	<0.00005	<0.00001	0.798	0.000134	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000011
MC-TP4-DC	1-Dec-2021	<0.01	0.000087	1.03	0.00338	0.000321	0.000134	0.000161	0.17	0.000146	0.00012	1.34	0.023	<0.00005	<0.00001	0.751	0.000122	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000113
MC-TP4-DC	2-Dec-2021	<0.01	0.000117	1.53	0.00453	0.000394	0.000223	0.000123	0.239	0.000197	0.00015	1.83	0.0333	<0.00005	<0.00001	0.959	0.000157	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000147
MC-TP4-DC	3-Dec-2021	<0.01	0.000145	1.76	0.00752	0.000499	0.00022	0.000067	0.302	0.000244	0.00016	1.83	0.0383	<0.00005	<0.00001	1.11	0.000241	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000144
MC-TP4-DC	4-Dec-2021	<0.01	0.000165	1.89	0.0236	0.000568	0.000261	0.000079	0.358	0.000286	0.00019	1.84	0.0422	<0.00005	<0.00001	1.3	0.000263	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000136
MC-TP4-DC	5-Dec-2021	<0.01	0.000196	1.95	0.0269	0.000663	0.000303	0.000137	0.419	0.000347	0.00019	1.9	0.0451	<0.00005	<0.00001	1.45	0.000315	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000138
MC-TP4-DC	6-Dec-2021	<0.01	0.000202	1.99	0.00773	0.000733	0.00025	0.000269	0.428	0.000333	0.0002	2.08	0.0463	<0.00005	<0.00001	1.51	0.000308	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000162
MC-TP4-DC	7-Dec-2021	<0.01	0.000152	1.77	0.00493	0.000627	0.000209	0.000071	0.364	0.000376	0.00015	1.75	0.0404	<0.00005	<0.00001	1.41	0.000255	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000139
MC-TP4-DC	8-Dec-2021	<0.01	0.000149	1.83	0.00555	0.000625	0.000176	0.000201	0.372	0.000305	0.00016	1.76	0.0402	<0.00005	<0.00001	1.41	0.000254	0.000052	<0.000004	<0.00001	<0.0002	<0.0002	0.0000132
MC-TP4-DC	9-Dec-2021	<0.01	0.000162	1.81	0.00748	0.000632	0.000213	0.000197	0.379	0.00032	0.00017	1.82	0.041	<0.00005	<0.00001	1.43	0.000288	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000144
MC-TP4-DC	10-Dec-2021	<0.01	0.00016	1.87	0.00571	0.000556	0.000228	0.000147	0.355	0.000271	0.00015	1.8	0.0428	<0.00005	<0.00001	1.42	0.000252	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000137
MC-TP4-DC	11-Dec-2021	<0.01	0.000164	1.86	0.0174	0.000489	0.000236	0.000151	0.33	0.000235	0.00015	1.83	0.0423	<0.00005	<0.00001	1.31	0.000208	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000134
MC-TP4-DC	12-Dec-2021	<0.01	0.000157	1.86	0.0143	0.000536	0.000222	0.000076	0.334	0.000256	0.00015	1.8	0.0418	<0.00005	<0.00001	1.31	0.000224	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000121
MILL DITCH	10-Feb-2021	<0.05	0.0013	12.5	0.842	0.00413	0.00894	0.0038	3.3	0.134	0.00063	4.5	0.407	0.00031	0.000051	5.97	0.00255	<0.0005	0.000073	<0.0001	<0.005	<0.001	0.000048
MILL DITCH	14-Apr-2021	<0.05	0.00103	13.4	1.02	0.00066	0.0148	0.00024	1.03	0.00056	0.0005	6.1	0.331	<0.0002	<0.00005	5.75	0.00035	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MILL DITCH	7-Jul-2021	<0.05	0.00307	4.22	0.185	0.0272	0.0022	0.00298	19.6	0.0389	0.0169	2.6	0.341	<0.0002	0.00017	23	0.033	<0.0005	0.000035	<0.0001	<0.005	0.0016	0.000069
MILLITCH	7-Jul-2021	<0.05	0.00341	4.7	0.203	0.03	0.0021	0.00185	21.8	0.0391	0.0187	2.7	0.377	<0.0002	0.000246	24.3	0.0358	<0.0005	0.000038	<0.0001	<0.005	0.0018	0.000059
MILL DITCH	15-Nov-2021	<0.05	0.00172	10.6	0.76	0.00294	0.00841	0.00096	3.59	0.0029	0.00083	3.7	0.187	<0.0002	0.000185	6.19	0.00327	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF	1-Jan-2021	<0.01	0.00196	8.61	0.0623	0.00106	0.000342	0.000417	3.12	0.00206	0.00051	2.11	0.416	0.000083	0.000019	6.27	0.00117	<0.00005	0.0000167	<0.00001	<0.0002	<0.0002	0.0000253
MP-EFF	2-Jan-2021	<0.01	0.00177	4.27	0.0247	0.00102	0.000148	0.000178	1.55	0.000857	0.00079	1.1	0.32	0.000409	<0.00001	3.75	0.000807	<0.00005	0.0000163	<0.00001	<0.0002	<0.0002	0.0000118
MP-EFF	5-Jan-2021	<0.01	0.00213	9.09	0.0422	0.00106	0.000246	0.000068	2.2	0.00159	0.00066	2.24	0.349	0.000266	<0.00001	6.28	0.00129	<0.00005	0.0000175	<0.00001	<0.0002	<0.0002	0.0000208
MP-EFF	6-Jan-2021	<0.01	0.00263	7.12	0.0148	0.00104	0.00018	0.000121	2.29	0.00114	0.00063	1.12	0.363	<0.00005	<0.00001	5.02	0.00102	<0.00005	0.000019	<0.00001	<0.0002	<0.0002	0.0000104
MP-EFF	10-Jan-2021	<0.01	0.00219	9.7	0.0446	0.000997	0.000556	0.000174	3.36	0.00206	0.00049	1.75	0.347	0.000284	<0.00001	6.21	0.00164	<0.00005	0.0000209	<0.00001	<0.0002	<0.0002	0.0000278

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MC-TP4-DC	5-Nov-2021	<0.0002	0.0952	<0.00002	-	-	-	-	-
MC-TP4-DC	6-Nov-2021	<0.0002	0.0965	<0.00002	-	-	-	-	-
MC-TP4-DC	7-Nov-2021	<0.0002	0.104	<0.00002	-	-	-	-	-
MC-TP4-DC	8-Nov-2021	<0.0002	0.11	<0.00002	-	-	-	-	-
MC-TP4-DC	9-Nov-2021	<0.0002	0.0957	<0.00002	-	-	-	-	-
MC-TP4-DC	10-Nov-2021	<0.0002	0.0943	<0.00002	-	-	-	-	-
MC-TP4-DC	11-Nov-2021	<0.0002	0.0854	<0.00002	-	-	-	-	-
MC-TP4-DC	12-Nov-2021	<0.0002	0.0788	<0.00002	-	-	-	-	-
MC-TP4-DC	13-Nov-2021	<0.0002	0.0771	<0.00002	-	-	-	-	-
MC-TP4-DC	14-Nov-2021	<0.0002	0.0671	<0.00002	-	-	-	-	-
MC-TP4-DC	15-Nov-2021	<0.0002	0.0878	<0.00002	-	-	-	-	-
MC-TP4-DC	16-Nov-2021	<0.0002	0.1	<0.00002	-	-	-	-	-
MC-TP4-DC	16-Nov-2021	<0.0002	0.107	<0.00002	-	-	-	-	-
MC-TP4-DC	17-Nov-2021	<0.0002	0.106	<0.00002	-	-	-	-	-
MC-TP4-DC	18-Nov-2021	<0.0002	0.112	<0.00002	-	-	-	-	-
MC-TP4-DC	19-Nov-2021	<0.0002	0.107	<0.00002	-	-	-	-	-
MC-TP4-DC	20-Nov-2021	<0.0002	0.107	<0.00002	-	-	-	-	-
MC-TP4-DC	21-Nov-2021	<0.0002	0.102	<0.00002	-	-	-	-	-
MC-TP4-DC	22-Nov-2021	<0.0002	0.0962	<0.00002	-	-	-	-	-
MC-TP4-DC	23-Nov-2021	<0.0002	0.0908	<0.00002	-	-	-	-	-
MC-TP4-DC	24-Nov-2021	<0.0002	0.093	<0.00002	-	-	-	-	-
MC-TP4-DC	25-Nov-2021	<0.0002	0.0552	<0.00002	-	-	-	-	-
MC-TP4-DC	26-Nov-2021	<0.0002	0.073	<0.00002	-	-	-	-	-
MC-TP4-DC	27-Nov-2021	<0.0002	0.062	<0.00002	-	-	-	-	-
MC-TP4-DC	28-Nov-2021	<0.0002	0.0498	<0.00002	-	-	-	-	-
MC-TP4-DC	29-Nov-2021	<0.0002	0.0676	<0.00002	-	-	-	-	-
MC-TP4-DC	30-Nov-2021	<0.0002	0.0529	<0.00002	-	-	-	-	-
MC-TP4-DC	1-Dec-2021	<0.0002	0.0594	<0.00002	-	-	-	-	-
MC-TP4-DC	2-Dec-2021	<0.0002	0.0936	<0.00002	-	-	-	-	-
MC-TP4-DC	3-Dec-2021	<0.0002	0.0941	<0.00002	-	-	-	-	-
MC-TP4-DC	4-Dec-2021	<0.0002	0.0966	<0.00002	-	-	-	-	-
MC-TP4-DC	5-Dec-2021	<0.0002	0.107	<0.00002	-	-	-	-	-
MC-TP4-DC	6-Dec-2021	<0.0002	0.109	<0.00002	-	-	-	-	-
MC-TP4-DC	7-Dec-2021	<0.0002	0.0819	<0.00002	-	-	-	-	-
MC-TP4-DC	8-Dec-2021	<0.0002	0.0783	<0.00002	-	-	-	-	-
MC-TP4-DC	9-Dec-2021	<0.0002	0.0864	<0.00002	-	-	-	-	-
MC-TP4-DC	10-Dec-2021	<0.0002	0.0832	<0.00002	-	-	-	-	-
MC-TP4-DC	11-Dec-2021	<0.0002	0.0863	<0.00002	-	-	-	-	-
MC-TP4-DC	12-Dec-2021	<0.0002	0.0846	<0.00002	-	-	-	-	-
MILL DITCH	10-Feb-2021	<0.001	4.47	<0.0001	-	-	-	-	-
MILL DITCH	14-Apr-2021	<0.001	14.4	<0.0001	<0.00001	-	-	-	-
MILL DITCH	7-Jul-2021	<0.001	0.862	<0.0001	<0.00001	-	-	-	-
MILLITCH	7-Jul-2021	<0.001	0.6	<0.0001	<0.00001	-	-	-	-
MILL DITCH	15-Nov-2021	<0.001	7.33	<0.0001	<0.00001	-	-	-	-
MP-EFF	1-Jan-2021	0.00041	0.0954	<0.00002	-	-	-	-	-
MP-EFF	2-Jan-2021	<0.0002	0.04	<0.00002	-	-	-	-	-
MP-EFF	5-Jan-2021	<0.0002	0.0479	<0.00002	-	-	-	-	-
MP-EFF	6-Jan-2021	0.00129	0.0512	<0.00002	-	-	-	-	-
MP-EFF	10-Jan-2021	<0.0002	0.0487	<0.00002	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21A1447	1	No	Regular	11A RUNOFF (ID E100666)	MP-EFF	13-Jan-2021	7.22	643	-	-	-	10.2	-	28.4	<1	28.4
21A2062	1	No	Regular	11A-RUNOFF	MP-EFF	20-Jan-2021	7.47	738	323	-	-	12.8	-	20.9	<1	20.9
21B0123	1	No	Regular	11A RUNOFF (ID E100666)	MP-EFF	27-Jan-2021	7.58	607	-	-	-	7.2	-	27.9	<1	27.9
21B0565	1	No	Regular	11A RUNOFF (ID E100666)	MP-EFF	3-Feb-2021	7.24	626	-	-	-	10.2	-	26.2	<1	26.2
21B1330	2	No	Regular	11A-RUNOFF (ID 100666)	MP-EFF	10-Feb-2021	7.55	613	297	-	-	5	-	27.3	<1	27.3
21B2264	1	No	Regular	11A RUNOFF (ID E100666)	MP-EFF	17-Feb-2021	-	-	-	-	-	7.6	-	-	-	-
21B2940	1	No	Regular	11A-RUNOFF (E100666)	MP-EFF	24-Feb-2021	-	-	-	-	-	6.2	-	-	-	-
21C1278	1	No	Regular	11A-RUNOFF (E100666)	MP-EFF	3-Mar-2021	-	-	-	-	-	6.4	-	-	-	-
21C1628	1	No	Regular	11A-RUNOFF	MP-EFF	10-Mar-2021	7.14	674	261	-	-	3.4	-	26.2	<1	26.2
21C2558	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	17-Mar-2021	-	-	-	-	-	10.4	-	-	-	-
21C3458	2	No	Replicate	11A RUNOFF D	MP-EFF	24-Mar-2021	-	-	-	-	-	9.2	-	-	-	-
21C3458	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	24-Mar-2021	-	-	-	-	-	12.4	-	-	-	-
21D0169	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	31-Mar-2021	6.96	690	-	-	-	8.2	-	16.7	<1	16.7
21D0890	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	7-Apr-2021	-	-	-	-	-	10.3	-	-	-	-
21D1936	2	No	Regular	11A-RUNOFF (100666)	MP-EFF	14-Apr-2021	6.9	694	-	-	-	5.2	-	22.2	<1	22.2
21D2615	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	21-Apr-2021	-	-	-	-	-	12.2	-	-	-	-
21E0545	7	No	Regular	11A-Runoff	MP-EFF	29-Apr-2021	7.5	699	-	-	-	13	-	25.3	<1	25.3
21E0545	1	No	Regular	Myra Out	MP-EFF	5-May-2021	7.41	667	-	-	-	8	-	23.4	<1	23.4
21E1733	1	No	Regular	11A-RUNOFF (EMS ID E100666)	MP-EFF	12-May-2021	-	-	-	-	-	5	-	-	-	-
21E2333	1	No	Regular	11A-RUNOFF (EMS ID E10066)	MP-EFF	19-May-2021	-	-	-	-	-	9.6	-	-	-	-
21E3308	1	No	Regular	11A-RUNOFF (EMS ID E10066)	MP-EFF	26-May-2021	-	-	-	-	-	7	-	-	-	-
21F0686	1	No	Regular	11A-RUNOFF	MP-EFF	2-Jun-2021	7.61	775	-	-	-	13	-	32.5	<1	32.5
21F1796	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	9-Jun-2021	-	-	-	-	-	5.5	-	-	-	-
21F2548	1	No	Regular	11A-RUNOFF (EMS ID E100666)	MP-EFF	17-Jun-2021	-	-	-	-	-	3.8	-	-	-	-
21F3445	1	No	Regular	11A-RUNOFF (EMS ID E100666)	MP-EFF	23-Jun-2021	-	-	-	-	-	4	-	-	-	-
21G0060	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	30-Jun-2021	-	-	-	-	-	2.6	-	-	-	-
21G0927	2	No	Regular	11A-RUNOFF (100666)	MP-EFF	7-Jul-2021	7.58	712	-	-	-	2.6	-	29.6	<1	29.6
21G1796	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	14-Jul-2021	7.03	-	-	-	-	4.8	-	-	-	-
21G2912	1	No	Regular	11A-RUNOFF (EMS ID E100666)	MP-EFF	21-Jul-2021	7.34	-	-	-	-	2.8	-	-	-	-
21G3651	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	28-Jul-2021	7.42	-	-	-	-	5.2	-	-	-	-
21H0412	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	4-Aug-2021	7.67	-	-	-	-	2.6	-	-	-	-
21H1128	1	No	Regular	11A-RUNOFF	MP-EFF	10-Aug-2021	7.67	787	-	-	-	3.2	-	27.3	<1	27.3
21H1495	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	11-Aug-2021	7.59	-	-	-	-	<2	-	-	-	-
21H2449	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	18-Aug-2021	7.41	-	-	-	-	2.8	-	-	-	-
21H3365	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	25-Aug-2021	7.48	-	-	-	-	3.2	-	26.4	<1	26.4
21I0479	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	1-Sep-2021	7.45	-	-	-	-	4.2	-	29.5	<1	29.5
21I1381	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	8-Sep-2021	7.69	-	-	-	-	3	-	-	-	-
21I2369	2	No	Regular	11A-RUNOFF (100666)	MP-EFF	15-Sep-2021	7.42	831	-	-	-	<4	-	26.3	<1	26.3
21I3483	2	No	Regular	11A-Runoff	MP-EFF	21-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I3479	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	22-Sep-2021	7.31	-	-	-	-	2.2	-	-	-	-
21J0446	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	29-Sep-2021	7.65	-	-	-	-	8.6	-	-	-	-
21J1447	1	No	Regular	11A-RUNOFF (EMS ID E100666)	MP-EFF	6-Oct-2021	7.62	-	-	-	-	5.2	-	-	-	-
21J2032	1	No	Regular	11A RUNOFF (E100666)	MP-EFF	13-Oct-2021	7.61	-	-	-	-	7.8	-	-	-	-
21J2032	2	No	Replicate	11A RUNOFF D (EMS ID E 100666)	MP-EFF	13-Oct-2021	7.65	-	-	-	-	8.2	-	-	-	-
21J3088	1	No	Regular	11A-RUNOFF (EMS ID E10066)	MP-EFF	20-Oct-2021	7.32	-	-	-	-	7.6	-	-	-	-
21K0653	1	No	Regular	Myra Out (1) 110,000 (E100666)	MP-EFF	25-Oct-2021	7.86	-	-	-	-	23	-	-	-	-
21K0653	3	No	Regular	Myra Out 120,000 (E100666)	MP-EFF	25-Oct-2021	8.2	-	-	-	-	25	-	-	-	-
21K0653	2	No	Regular	Myra Out (2) 110,000 (E100666)	MP-EFF	25-Oct-2021	8.1	-	-	-	-	22.4	-	-	-	-
21K0187	1	No	Regular	11A-RUNOFF (EMS ID E10066)	MP-EFF	27-Oct-2021	7.6	-	-	-	-	11.4	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MP-EFF	13-Jan-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.403	124	0.000519	0.0251	0.0405
MP-EFF	20-Jan-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.271	130	0.00091	<0.05	0.0571
MP-EFF	27-Jan-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.245	99.4	0.000894	0.028	0.0234
MP-EFF	3-Feb-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.317	118	0.000418	0.0253	0.0433
MP-EFF	10-Feb-2021	<1	<1	4.37	0.35	302	1.75	0.978	0.958	0.021	0.591	0.0189	0.0055	1.2	0.75	0.344	107	<0.0005	<0.05	0.043
MP-EFF	17-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.323	102	0.000453	0.0319	0.0356
MP-EFF	24-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.206	98.1	0.000259	0.0257	0.03
MP-EFF	3-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.302	126	0.000246	0.0296	0.0293
MP-EFF	10-Mar-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.309	114	<0.0005	<0.05	0.0208
MP-EFF	17-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.28	131	0.000645	0.0406	0.0342
MP-EFF	24-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.268	104	0.000331	0.0396	0.0336
MP-EFF	24-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	104	0.000198	0.0316	0.0194
MP-EFF	31-Mar-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.329	115	0.000459	0.0346	0.0607
MP-EFF	7-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.259	119	0.000583	0.0445	0.0309
MP-EFF	14-Apr-2021	<1	<1	6.45	0.43	331	3.12	1.77	1.68	0.088	1.02	0.0073	-	1.86	1.73	0.315	116	0.00056	0.0568	0.0378
MP-EFF	21-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.238	90.6	0.000424	0.0371	0.0263
MP-EFF	29-Apr-2021	<1	<1	4.83	0.34	289	-	-	-	-	-	-	-	-	-	0.362	123	0.00091	<0.05	0.0339
MP-EFF	5-May-2021	<1	<1	4.48	0.31	299	-	-	-	-	-	-	-	-	-	0.343	121	0.00076	<0.05	0.043
MP-EFF	12-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.291	114	0.00081	<0.05	0.0243
MP-EFF	19-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.508	99.5	0.00118	0.0393	0.0541
MP-EFF	26-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.375	108	0.000614	0.0513	0.0358
MP-EFF	2-Jun-2021	<1	<1	5.56	0.36	339	-	-	-	-	-	-	-	-	-	0.273	126	0.00078	<0.05	0.0314
MP-EFF	9-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.236	104	0.00019	0.0303	0.0214
MP-EFF	17-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.325	80.2	0.000212	0.0279	0.0303
MP-EFF	23-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.352	116	0.000851	0.0615	0.037
MP-EFF	30-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.332	121	0.000845	0.0569	0.0302
MP-EFF	7-Jul-2021	<1	<1	6.26	0.28	325	2.83	1.81	1.71	0.108	0.745	0.0105	-	0.88	0.78	0.423	127	0.00062	0.072	0.035
MP-EFF	14-Jul-2021	-	-	-	-	-	-	-	-	-	0.902	-	-	-	-	0.3	128	0.000922	0.0603	0.0284
MP-EFF	21-Jul-2021	-	-	-	-	-	-	-	-	-	0.944	-	-	-	-	0.301	136	0.00101	0.0541	0.0319
MP-EFF	28-Jul-2021	-	-	-	-	-	-	-	-	-	0.795	-	-	-	-	0.215	121	0.000886	0.0539	0.0351
MP-EFF	4-Aug-2021	-	-	-	-	-	-	-	-	-	0.872	-	-	-	-	0.264	147	0.000546	0.0583	0.024
MP-EFF	10-Aug-2021	<1	<1	7.08	0.32	360	-	-	-	-	0.998	-	-	-	-	1.48	122	0.00202	0.0781	0.182
MP-EFF	11-Aug-2021	-	-	-	-	-	-	-	-	-	0.929	-	-	-	-	0.227	137	0.000651	0.0618	0.0264
MP-EFF	18-Aug-2021	-	-	-	-	-	-	-	-	-	1	-	-	-	-	0.23	138	0.000975	0.0838	0.0297
MP-EFF	25-Aug-2021	<1	<1	-	-	-	-	-	-	-	0.888	-	-	-	-	0.2	140	0.000693	0.0731	0.0269
MP-EFF	1-Sep-2021	<1	<1	-	-	-	-	-	-	-	1.06	-	-	-	-	0.216	148	0.00145	0.09	0.0308
MP-EFF	8-Sep-2021	-	-	-	-	-	-	-	-	-	1.08	-	-	-	-	0.205	160	0.00114	0.0636	0.0269
MP-EFF	15-Sep-2021	<1	<1	6.65	0.33	376	3.59	2.09	2.29	0.085	1.18	0.0148	-	2.06	1.7	0.232	133	0.00081	0.0744	0.0276
MP-EFF	21-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.509	9	0.000821	0.0077	0.049
MP-EFF	22-Sep-2021	-	-	-	-	-	-	-	-	-	0.899	-	-	-	-	0.607	216	0.000513	0.0657	0.0282
MP-EFF	29-Sep-2021	-	-	-	-	-	-	-	-	-	0.645	-	-	-	-	1.03	227	0.000335	0.0373	0.0383
MP-EFF	6-Oct-2021	-	-	-	-	-	-	-	-	-	0.754	-	-	-	-	0.283	137	0.000351	0.0305	0.0354
MP-EFF	13-Oct-2021	-	-	-	-	-	-	-	-	-	0.855	-	-	-	-	0.628	127	0.000409	0.048	0.0308
MP-EFF	13-Oct-2021	-	-	-	-	-	-	-	-	-	0.891	-	-	-	-	0.686	141	0.000441	0.0507	0.034
MP-EFF	20-Oct-2021	-	-	-	-	-	-	-	-	-	0.596	-	-	-	-	0.61	158	0.000217	0.0422	0.0311
MP-EFF	25-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.778	129	<0.0005	<0.05	0.0313
MP-EFF	25-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.25	129	0.00095	<0.05	0.0822
MP-EFF	25-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.12	125	0.00079	<0.05	0.0751
MP-EFF	27-Oct-2021	-	-	-	-	-	-	-	-	-	0.376	-	-	-	-	1.49	119	0.000389	0.0182	0.0419

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MP-EFF	13-Jan-2021	<0.00001	<0.00001	0.00215	120	0.00034	0.000947	0.0489	0.275	<0.01	0.00267	13.6	0.186	0.00242	0.00178	0.00635	3.11	0.00058	0.000087	4.92	0.000018	6.89	0.42
MP-EFF	20-Jan-2021	<0.0001	<0.0001	0.000429	121	<0.0005	0.00014	0.0184	0.071	<0.05	0.00301	13.9	0.0261	0.00603	0.00056	0.0103	5.15	0.00075	<0.0002	3.5	<0.00005	8.36	0.459
MP-EFF	27-Jan-2021	<0.00001	0.000014	0.000757	98.4	0.00025	0.000277	0.0227	0.0953	0.014	0.00253	10.9	0.0413	0.0019	0.000546	0.024	2.01	0.00063	0.000055	3.32	0.000085	6.78	0.381
MP-EFF	3-Feb-2021	<0.00001	<0.00001	0.000771	115	0.00028	0.000446	0.0263	0.181	<0.01	0.00265	10.1	0.0646	0.00178	0.00566	0.00589	3.19	0.00067	0.000076	2.99	<0.00001	6.99	0.405
MP-EFF	10-Feb-2021	<0.0001	<0.0001	0.000696	105	<0.0005	0.00039	0.0281	0.154	<0.05	0.00268	12.1	0.0584	0.00375	0.00115	0.00396	3.37	0.00063	0.00023	3.3	0.000066	7.89	0.407
MP-EFF	17-Feb-2021	0.000026	0.000019	0.000639	105	0.00025	0.000456	0.0242	0.156	0.011	0.0024	11.4	0.0945	0.00647	0.00105	0.00334	5.35	0.00069	<0.00005	3.04	0.000031	9.17	0.388
MP-EFF	24-Feb-2021	<0.00001	<0.00001	0.000356	92.8	0.00021	0.0002	0.012	0.111	<0.01	0.00257	10.7	0.0342	0.00135	0.000451	0.00362	1.89	0.00038	<0.00005	2.94	<0.00001	7.81	0.392
MP-EFF	3-Mar-2021	<0.00001	<0.00001	0.000325	125	0.00023	0.000196	0.0172	0.133	0.011	0.0032	8.18	0.0306	0.00175	0.000411	0.00266	3.67	0.00056	0.000103	2.59	<0.00001	8.66	0.496
MP-EFF	10-Mar-2021	<0.0001	<0.0001	0.000408	126	<0.0005	0.00019	0.0139	0.072	<0.05	0.00337	8.6	0.0536	0.00202	0.00064	0.00197	3.18	0.00068	<0.0002	2	<0.00005	8.96	0.438
MP-EFF	17-Mar-2021	<0.00001	<0.00001	0.000668	115	0.00025	0.000424	0.0193	0.121	<0.01	0.00383	11.5	0.0963	0.00754	0.00104	0.00286	6.22	0.00128	<0.00005	3.13	0.000023	9.6	0.479
MP-EFF	24-Mar-2021	<0.00001	<0.00001	0.000444	106	0.00032	0.000257	0.0186	0.168	<0.01	0.00302	10.1	0.0503	0.00512	0.000757	0.00585	5.65	0.00068	0.000196	2.75	0.000034	7.97	0.404
MP-EFF	24-Mar-2021	<0.00001	<0.00001	0.0000552	89.6	0.00014	0.0000391	0.00633	0.0035	<0.01	0.00255	9.84	0.0119	0.0051	0.000358	0.000056	5.47	0.00065	0.001	2.42	0.000011	7.79	0.392
MP-EFF	31-Mar-2021	<0.00001	<0.00001	0.000462	105	0.00033	0.000282	0.0185	0.229	0.014	0.00297	11.1	0.053	0.00466	0.000638	0.00533	4.53	0.00081	<0.00005	3.04	0.000023	8.26	0.445
MP-EFF	7-Apr-2021	<0.00001	<0.00001	0.000335	123	0.00023	0.000192	0.0166	0.0826	<0.01	0.00345	9.92	0.0363	0.00942	0.000392	0.00449	6.87	0.00159	<0.00005	2.98	0.000017	10.2	0.5
MP-EFF	14-Apr-2021	<0.0001	<0.0001	0.000271	114	<0.0005	0.00022	0.0154	0.093	<0.05	0.0037	13	0.0432	0.0105	0.00054	0.00441	9.48	0.00138	<0.0002	3.2	<0.00005	12.7	0.442
MP-EFF	21-Apr-2021	<0.00001	<0.00001	0.000262	85.7	0.00013	0.000168	0.0119	0.0542	<0.01	0.00226	10.1	0.0318	0.0073	0.00045	0.00136	5.3	0.00169	<0.00005	2.64	<0.00001	7.87	0.368
MP-EFF	29-Apr-2021	<0.0001	<0.0001	0.000357	107	<0.0005	0.00022	0.0183	0.1	<0.05	0.00253	9.75	0.0365	0.0131	0.00074	0.00424	8.29	0.00425	<0.0002	3	0.00007	16.5	0.405
MP-EFF	5-May-2021	<0.0001	<0.0001	0.000345	107	<0.0005	0.00023	0.0162	0.097	<0.05	0.0027	10.3	0.0424	0.00911	0.00057	0.00373	6.28	0.00246	<0.0002	3.2	<0.00005	16.2	0.423
MP-EFF	12-May-2021	<0.0001	<0.0001	0.000034	104	0.00051	<0.0001	0.00728	<0.01	0.065	0.00315	11.2	0.0228	0.00773	0.00066	<0.0002	7.31	0.0024	<0.0002	1.6	<0.00005	15.5	0.436
MP-EFF	19-May-2021	<0.00001	0.000013	0.000569	96.4	0.0005	0.000416	0.0268	0.388	0.02	0.00267	9.86	0.0612	0.0078	0.000994	0.0125	6.04	0.00477	<0.00005	3.25	0.000095	11.7	0.373
MP-EFF	26-May-2021	<0.00001	<0.00001	0.000247	118	0.00026	0.000172	0.0131	0.0986	0.016	0.00285	9.02	0.0326	0.00968	0.000373	0.00376	7.56	0.00527	<0.00005	3.03	0.000056	13.4	0.463
MP-EFF	2-Jun-2021	<0.0001	<0.0001	0.00023	117	<0.0005	0.00021	0.0132	0.101	<0.05	0.00371	8.5	0.0315	0.0115	0.00059	0.00307	7.47	0.00431	<0.0002	2.7	<0.00005	29	0.436
MP-EFF	9-Jun-2021	<0.00001	<0.00001	0.000379	99.9	0.00026	0.000299	0.0155	0.0485	<0.01	0.00323	12.2	0.0767	0.00118	0.000836	0.0113	1.78	0.00048	<0.00005	2.77	<0.00001	9.29	0.412
MP-EFF	17-Jun-2021	<0.00001	<0.00001	0.000408	78.5	0.00022	0.000234	0.0164	0.0988	0.011	0.00267	10.4	0.0394	0.000929	0.000517	0.00633	1.31	0.00058	<0.00005	2.93	<0.00001	7.68	0.333
MP-EFF	23-Jun-2021	<0.00001	<0.00001	0.000331	113	0.00029	0.000221	0.019	0.108	0.016	0.00369	12.3	0.0466	0.0132	0.00048	0.0039	9.91	0.00614	<0.00005	2.62	0.00005	16.5	0.438
MP-EFF	30-Jun-2021	<0.00001	<0.00001	0.000226	106	0.00024	0.000183	0.0138	0.0518	0.015	0.00319	10.4	0.0323	0.0129	0.000392	0.00175	8.49	0.00597	<0.00005	2.97	0.000055	13.5	0.436
MP-EFF	7-Jul-2021	<0.0001	<0.0001	0.00106	109	<0.0005	0.00067	0.0147	0.073	<0.05	0.0041	13	0.161	0.0113	0.00132	0.00241	8.92	0.00703	<0.0002	3.7	0.000056	15.3	0.476
MP-EFF	14-Jul-2021	<0.00001	<0.00001	0.000331	122	0.00021	0.000202	0.0137	0.0832	<0.01	0.00358	12.8	0.0374	0.0108	0.000382	0.00252	8.28	0.00611	<0.00005	2.45	0.000035	16.2	0.466
MP-EFF	21-Jul-2021	<0.00001	<0.00001	0.000354	93.3	0.00022	0.000242	0.0155	0.0683	0.016	0.00267	7.82	0.0425	0.0164	0.000495	0.00222	9.34	0.0105	<0.00005	2.84	0.000062	18.4	0.354
MP-EFF	28-Jul-2021	<0.00001	<0.00001	0.000316	122	0.00024	0.000203	0.0154	0.0975	0.024	0.00412	10.4	0.0412	0.0139	0.000403	0.00239	7.56	0.00674	<0.00005	2.89	0.000056	20.2	0.442
MP-EFF	4-Aug-2021	<0.00001	<0.00001	0.000191	123	0.00022	0.000203	0.016	0.0314	<0.01	0.00397	10.1	0.0387	0.0133	0.00052	0.00101	8.95	0.00492	<0.00005	2.7	0.000066	20.4	0.403
MP-EFF	10-Aug-2021	<0.0001	<0.0001	0.0017	129	0.00086	0.00144	0.116	1.07	<0.05	0.00456	12.6	0.228	0.0128	0.00276	0.0438	8.98	0.0062	<0.0002	4	0.00032	22	0.436
MP-EFF	11-Aug-2021	0.000019	0.000014	0.000277	119	0.00024	0.000273	0.0151	0.0419	0.013	0.00391	11.4	0.0677	0.0109	0.000701	0.00111	8.4	0.00393	<0.00005	3.2	0.000063	19	0.426
MP-EFF	18-Aug-2021	<0.00001	<0.00001	0.00032	124	0.00027	0.000301	0.0176	0.0625	0.013	0.00387	9.5	0.0744	0.0183	0.000847	0.00181	12.8	0.00895	<0.00005	3.14	0.000245	23.4	0.427
MP-EFF	25-Aug-2021	<0.00001	<0.00001	0.000294	143	0.0003	0.00031	0.0151	0.0464	0.013	0.00508	12.5	0.053	0.0137	0.00082	0.0008	10.4	0.00363	<0.00005	3.39	0.00005	25.7	0.488
MP-EFF	1-Sep-2021	<0.00001	<0.00001	0.000267	146	0.00027	0.00024	0.0135	0.0693	0.013	0.00595	11.8	0.0425	0.0152	0.00066	0.00141	12.8	0.00486	<0.00005	3.47	0.000184	25.5	0.501
MP-EFF	8-Sep-2021	<0.00001	<0.00001	0.00098	117	0.00028	0.000135	0.0113	0.027	<0.01	0.00419	9.96	0.019	0.0153	0.000512	0.000569	11.7	0.00638	0.000077	3.08	0.000125	22.8	0.429
MP-EFF	15-Sep-2021	<0.0001	<0.0001	0.000247	128	<0.0005	0.00022	0.0163	0.051	<0.05	0.00432	10.3	0.0324	0.0127	0.00095	0.00147	8.94	0.00477	<0.0002	3.5	0.000054	21.5	0.428
MP-EFF	21-Sep-2021	0.000018	<0.00001	0.00815	23.5	0.00069	0.00147	0.177	1.13	<0.01	0.000259	1.19	0.0938	0.000169	0.00204	0.0124	0.137	<0.0001	0.000074	2.14	0.00004	0.945	0.0289
MP-EFF	22-Sep-2021	<0.00001	<0.00001	0.000383	167	0.00029	0.000355	0.0228	0.0782	<0.01	0.00427	10.3	0.0659	0.00832	0.000981	0.0014	10.3	0.00358	0.000106	2.85	0.000119	20.7	0.495
MP-EFF	29-Sep-2021	<0.00001	<0.00001	0.00853	231	0.00032	0.00226	0.046	0.2	<0.01	0.00609	8.94	0.595	0.00128	0.00349	0.00409	5.66	0.00179	<0.00005	1.08	0.00001	11.5	0.544
MP-EFF	6-Oct-2021	<0.00001	<0.00001	0.00144	142	0.00029	0.00083	0.0273	0.143	<0.01	0.0031	8.46	0.142	0.00202	0.00151	0.00735	4.89	0.00115	<0.00005	2.71	0.000018	10.9	0.416
MP-EFF	13-Oct-2021	<0.00001	<0.00001	0.000428	127	0.00042	0.000273	0.0181	0.208	<0.01	0.00284	7.85	0.0498	0.00242	0.000635	0.00422	6.43	0.00084	<0.00005	2.25	0.000021	14.1	0.341
MP-EFF	13-Oct-2021	<0.00001	<0.00001	0.000473	142	0.00059	0.000309	0.0197	0.224	<0.01	0.0031	8.63	0.0543	0.00237	0.000721	0.0045	7.1	0.00101	<0.00005	2.39	0.000028	15.4	0.38
MP-EFF	20-Oct-2021	<0.00001	<0.00001	0.000351	164	0.00021	0.00014	0.0141	0.0798	<0.01	0.00444	5.34	0.0201	0.00259	0.000166	0.00247	5.86	0.00097	<0.00005	2.71	<0.00001	13.5	0.465
MP-EFF	25-Oct-2021	<0.0001	<0.0001	0.000945	153	<0.0005	0.00025	0.02	0.15	<0.05	0.00395	5.85	0.0606	0.00101	<0.0004	0.00452	3.16	0.00086	<0.0002	<1	<0.00005	8.34	0.343
MP-EFF	25-Oct-2021	<0.0001	<0.0001	0.00225	157	0.00054	0.00088	0.0787	0.73	<0.05	0.00396	6.85	0.141	0.00093	0.00128	0.0266	2.96	0.00094	<0.0002	1.3	0.000095	7.95	0.331
MP-EFF	25-Oct-2021	<0.0001	<0.0001	0.00215	156	0.00052	0.00078	0.0763	0.676	<0.05	0.004	6.07	0.103	0.00092	0.00094	0.0215	3.23	0.00085	<0.0002	1.3	0.000094	7.95	0.343
MP-EFF	27-Oct-2021	<0.00001	<0.00001	0.0015	130	0.00076	0.000427	0.0442	0.258	<0.01	0.00284	3.75	0.0464	0.000897	0.000741	0.00769	3.24	0.00113	<0.00005	1.79	0.000017	6.94	0.281

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MP-EFF	13-Jan-2021	<0.00005	0.0000241	<0.00001	0.00121	0.00034	0.0000484	0.00146	0.553	0.000025	-	0.196	118	0.000149	0.0212	<0.00001	<0.00001	0.0271	0.000637	110	0.00017	0.000245	0.00665	0.0038
MP-EFF	20-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025	0.0014	0.139	<0.0001	-	0.18	123	<0.0005	<0.05	<0.0001	<0.0001	0.0291	0.00004	108	0.00104	<0.0001	0.00428	<0.01
MP-EFF	27-Jan-2021	0.000144	0.0000077	<0.00001	0.00075	<0.0002	0.0000174	0.0011	0.22	<0.00002	-	0.157	95.5	0.000193	0.0218	<0.00001	<0.00001	0.0177	0.000183	96.7	0.00019	0.000034	0.00268	0.004
MP-EFF	3-Feb-2021	<0.00005	0.0000154	<0.00001	0.00204	<0.0002	0.0000226	0.00129	0.242	0.000021	-	0.204	104	0.000162	0.0245	<0.00001	<0.00001	0.0175	0.00011	114	0.00019	0.0000392	0.00341	<0.002
MP-EFF	10-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	<0.001	0.218	<0.0001	<0.00001	0.185	104	<0.0005	<0.05	<0.0001	<0.0001	0.0177	0.000215	101	<0.0005	<0.0001	0.00496	<0.01
MP-EFF	17-Feb-2021	<0.00005	0.000038	0.000018	0.00132	0.00073	0.0000426	0.00043	0.213	0.000065	-	0.205	109	0.000288	0.0293	<0.00001	<0.00001	0.0189	0.000121	101	0.00015	0.000125	0.0063	0.0026
MP-EFF	24-Feb-2021	<0.00005	0.0000164	<0.00001	0.00115	0.00037	0.0000163	0.00064	0.0997	<0.00002	-	0.142	100	0.000123	0.0211	<0.00001	<0.00001	0.0184	0.0000434	92.2	0.00014	0.0000279	0.00249	<0.002
MP-EFF	3-Mar-2021	<0.00005	0.0000187	<0.00001	0.00154	0.00024	0.0000176	0.00033	0.0865	<0.00002	-	0.215	106	0.000118	0.0291	<0.00001	<0.00001	0.0206	0.0000391	118	0.00018	0.0000233	0.00671	<0.002
MP-EFF	10-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026	<0.001	0.115	<0.0001	-	0.179	99.3	<0.0005	<0.05	<0.0001	<0.0001	0.0196	0.000139	93.6	<0.0005	<0.0001	0.0035	<0.01
MP-EFF	17-Mar-2021	0.000117	0.0000157	<0.00001	0.00154	0.00056	0.0000274	0.00093	0.168	0.000026	-	0.168	137	0.000414	0.0387	<0.00001	<0.00001	0.0231	0.0000965	109	0.00019	0.000114	0.003	<0.002
MP-EFF	24-Mar-2021	<0.00005	0.0000171	<0.00001	0.00329	0.00027	0.0000201	0.00064	0.112	0.000067	-	0.166	111	0.000197	0.0392	<0.00001	<0.00001	0.0217	0.0000607	109	0.00019	0.0000485	0.00641	0.0025
MP-EFF	24-Mar-2021	<0.00005	0.0000147	<0.00001	<0.0002	0.00026	0.0000116	0.0004	0.0067	<0.00002	-	0.17	113	0.000154	0.0375	<0.00001	<0.00001	0.0219	0.0000587	113	0.00013	0.0000409	0.00657	<0.002
MP-EFF	31-Mar-2021	<0.00005	0.0000184	<0.00001	0.00389	0.00025	0.0000191	0.00118	0.12	0.000037	-	0.16	108	0.000192	0.0322	<0.00001	<0.00001	0.0207	0.0000384	103	0.00014	0.0000432	0.00527	<0.002
MP-EFF	7-Apr-2021	<0.00005	0.000016	<0.00001	0.00057	0.00067	0.0000171	0.00062	0.0991	<0.00002	-	0.203	121	0.000449	0.0446	<0.00001	<0.00001	0.0232	0.0000438	122	0.00018	0.0000296	0.007	<0.002
MP-EFF	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024	<0.001	0.0916	<0.0001	<0.00001	0.224	112	<0.0005	0.0507	<0.0001	<0.0001	0.0228	0.000057	112	<0.0005	<0.0001	0.0069	<0.01
MP-EFF	21-Apr-2021	<0.00005	0.0000164	<0.00001	0.00063	0.00059	0.0000219	0.00072	0.0828	<0.00002	-	0.194	99.3	0.000383	0.0378	<0.00001	<0.00001	0.0225	0.000131	89.5	0.00013	0.0000561	0.00515	<0.002
MP-EFF	29-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	0.0011	0.000022	<0.001	0.102	<0.0001	-	0.308	129	0.00064	0.0538	<0.0001	<0.0001	0.0246	0.00003	109	<0.0005	<0.0001	0.00758	<0.01
MP-EFF	5-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	<0.001	0.111	<0.0001	-	0.256	124	0.00063	<0.05	<0.0001	<0.0001	0.027	0.000049	99.6	<0.0005	<0.0001	0.00563	<0.01
MP-EFF	12-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	0.0014	0.0048	<0.0001	-	0.304	105	0.00085	0.072	<0.0001	<0.0001	0.0285	0.000267	97.2	<0.0005	0.00018	0.0138	0.063
MP-EFF	19-May-2021	0.000076	0.0000165	<0.00001	0.0103	0.00057	0.0000315	0.00148	0.187	0.000101	-	0.24	106	0.000583	0.04	<0.00001	<0.00001	0.0227	0.000079	100	0.00017	0.0000518	0.00723	<0.002
MP-EFF	26-May-2021	<0.00005	0.000018	<0.00001	0.00138	0.00057	0.0000222	0.00085	0.0759	<0.00002	-	0.271	110	0.000425	0.0453	<0.00001	<0.00001	0.0211	0.0000336	111	0.00017	0.0000365	0.00573	0.0024
MP-EFF	2-Jun-2021	<0.0005	0.000022	<0.0001	<0.005	<0.001	0.000043	<0.001	0.092	<0.0001	-	0.193	191	0.00052	0.0556	<0.0001	<0.0001	0.0218	0.000027	110	<0.0005	<0.0001	0.00466	<0.01
MP-EFF	9-Jun-2021	0.000077	0.000032	<0.00001	0.00028	<0.0002	0.0000226	<0.0002	0.135	<0.00002	-	0.205	107	0.000112	0.0255	<0.00001	<0.00001	0.0177	0.000114	105	0.00016	0.000114	0.00186	<0.002
MP-EFF	17-Jun-2021	0.000055	0.0000192	<0.00001	0.00057	<0.0002	0.0000173	0.00044	0.139	<0.00002	-	0.256	80.6	0.000105	0.0235	<0.00001	<0.00001	0.017	0.0000631	77.3	0.00019	0.0000271	0.00111	<0.002
MP-EFF	23-Jun-2021	<0.00005	0.000034	<0.00001	0.0013	0.00065	0.0000269	0.00099	0.0889	<0.00002	-	0.243	121	0.000632	0.0558	<0.00001	<0.00001	0.0208	0.000063	98.1	0.00022	0.0000533	0.00882	<0.002
MP-EFF	30-Jun-2021	<0.00005	0.0000216	<0.00001	0.00055	0.00058	0.0000235	0.00074	0.0663	<0.00002	-	0.285	115	0.000926	0.0561	<0.00001	<0.00001	0.0244	0.0000532	107	0.00017	0.0000459	0.0068	<0.002
MP-EFF	7-Jul-2021	<0.0005	0.000031	<0.0001	<0.005	<0.001	0.000058	0.001	0.238	0.00016	<0.00001	0.199	116	0.0007	0.066	<0.0001	<0.0001	0.0289	0.000759	109	<0.0005	0.00052	0.0063	<0.01
MP-EFF	14-Jul-2021	0.000112	0.0000308	<0.00001	0.00059	0.00067	0.0000216	0.00055	0.0904	<0.00002	-	0.231	151	0.000744	0.0579	<0.00001	<0.00001	0.0236	0.0000593	113	0.00018	0.0000436	0.00494	0.0062
MP-EFF	21-Jul-2021	0.000068	0.0000158	<0.00001	0.00065	0.00111	0.000029	0.00066	0.106	<0.00002	-	0.262	125	0.000941	0.0555	<0.00001	<0.00001	0.0238	0.000113	107	0.0002	0.0000744	0.0063	<0.002
MP-EFF	28-Jul-2021	<0.00005	0.0000265	<0.00001	0.00089	0.00133	0.0000207	0.00046	0.0779	<0.00002	-	0.167	128	0.000708	0.0523	<0.00001	<0.00001	0.0237	0.0000264	116	0.00017	0.0000374	0.00561	<0.002
MP-EFF	4-Aug-2021	<0.00005	0.0000216	<0.00001	0.00034	0.0011	0.000028	<0.0002	0.0578	<0.00002	-	0.242	144	0.000528	0.0517	<0.00001	<0.00001	0.0233	0.00007	127	0.00019	0.0000995	0.0108	<0.002
MP-EFF	10-Aug-2021	<0.0005	0.000034	<0.0001	0.0125	0.0013	0.000074	0.0039	0.699	0.00013	-	0.212	137	0.00064	0.0702	<0.0001	<0.0001	0.0237	0.000136	116	<0.0005	0.00018	0.0105	<0.01
MP-EFF	11-Aug-2021	0.000066	0.0000298	<0.00001	0.00051	0.00115	0.0000452	0.00058	0.0795	<0.00002	-	0.186	147	0.000556	0.0587	<0.00001	<0.00001	0.0235	0.000126	115	0.00028	0.000159	0.00822	0.0038
MP-EFF	18-Aug-2021	<0.00005	0.0000297	<0.00001	0.0011	0.00122	0.000045	0.00031	0.0924	<0.00002	-	0.172	139	0.000865	0.0782	<0.00001	<0.00001	0.0273	0.000177	121	0.00019	0.000173	0.0106	0.0022
MP-EFF	25-Aug-2021	<0.00005	0.0000473	<0.00001	0.00108	0.00082	0.0000346	0.00038	0.0854	<0.00002	-	0.154	158	0.000571	0.0603	<0.00001	<0.00001	0.024	0.000141	129	0.00026	0.000171	0.00925	0.0022
MP-EFF	1-Sep-2021	0.000081	0.0000454	<0.00001	0.00181	0.00109	0.0000379	<0.0002	0.0757	0.000022	-	0.15	149	0.00127	0.0708	<0.00001	<0.00001	0.0272	0.000119	132	0.00026	0.0001	0.00731	<0.002
MP-EFF	8-Sep-2021	<0.00005	0.0000341	<0.00001	0.00041	0.00095	0.0000239	<0.0002	0.0322	<0.00002	-	0.191	136	0.00109	0.0646	<0.00001	<0.00001	0.0256	0.000605	118	0.00025	0.0000654	0.0082	<0.002
MP-EFF	15-Sep-2021	<0.0005	0.000043	<0.0001	<0.005	0.0012	0.000025	<0.001	0.0715	<0.0001	<0.00001	0.203	140	0.00067	0.0767	<0.0001	<0.0001	0.0242	0.000077	120	<0.0005	0.00019	0.00969	<0.01
MP-EFF	21-Sep-2021	<0.00005	<0.000004	0.00002	0.00677	<0.0002	0.0000926	0.00056	1.81	0.000073	-	0.117	6.31	0.000203	0.007	<0.00001	<0.00001	0.044	0.00695	22	0.00011	0.00131	0.105	0.0521
MP-EFF	22-Sep-2021	0.000056	0.0000412	<0.00001	0.00186	0.00049	0.0000395	0.00028	0.0989	0.000028	-	0.479	202	0.00048	0.0591	<0.00001	<0.00001	0.0253	0.000157	163	0.00023	0.000181	0.0124	<0.002
MP-EFF	29-Sep-2021	0.000079	0.0000457	<0.00001	0.00051	<0.0002	0.0000561	<0.0002	0.752	0.000023	-	0.613	229	0.000174	0.0329	<0.00001	<0.00001	0.0239	0.00379	227	0.0002	0.000534	0.00423	<0.002
MP-EFF	6-Oct-2021	<0.00005	0.0000282	<0.00001	0.00128	<0.0002	0.0000486	<0.0002	0.343	<0.00002	-	0.152	135	0.000182	0.0326	<0.00001	<0.00001	0.0251	0.000314	140	0.00079	0.000266	0.00491	0.0044
MP-EFF	13-Oct-2021	<0.00005	0.0000254	<0.00001	0.00445	0.00023	0.0000278	<0.0002	0.0939	0.000034	-	0.457	135	0.000188	0.0425	<0.00001	<0.00001	0.0211	0.0000511	135	0.00047	0.0000551	0.00712	0.0029
MP-EFF	13-Oct-2021	<0.00005	0.0000322	<0.00001	0.00469	0.00024	0.0000336	<0.0002	0.106	0.000028	-	0.475	139	0.000219	0.0423	<0.00001	<0.00001	0.0209	0.0000502	138	0.00035	0.0000576	0.00713	<0.002
MP-EFF	20-Oct-2021	0.00005	0.0000365	<0.00001	0.00152	0.00021	0.0000152	<0.0002	0.0727	<0.00002	-	0.436	141	0.000162	0.0344	<0.00001	<0.00001	0.0237	0.0000651	147	0.00027	0.0000135	0.0224	<0.002
MP-EFF	25-Oct-2021	<0.0005	0.000037	<0.0001	<0.005	<0.001	0.000029	<0.001	0.122	<0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF	25-Oct-2021	<0.0005	0.000043	<0.0001	0.0099	<0.001	0.000066	0.001	0.525	<0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF	25-Oct-2021	<0.0005	0.000046	<0.0001	0.009	<0.001	0.000056	0.0013	0.466	0.00014	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF	27-Oct-2021	<0.00005	0.0000247	<0.00001	0.00243	<0.0002	0.0000296	0.00036	0.359	<0.00002	-	1.06	102	0.000115	0.0205	<0.00001	<0.00001	0.0257	0.000344	108	0.00019	0.0000517	0.00341	<0.002

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MP-EFF	13-Jan-2021	<0.01	0.00247	12.6	0.0812	0.00235	0.000555	0.000096	2.87	0.00178	0.00051	4.19	0.388	0.000067	0.000017	6.46	0.00178	<0.00005	0.0000224	<0.00001	<0.0002	0.00028	0.0000238
MP-EFF	20-Jan-2021	<0.05	0.00263	12.8	0.00456	0.00578	0.00058	<0.0002	4.67	0.00411	0.00073	3.5	0.435	<0.0002	<0.00005	8.11	0.00389	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF	27-Jan-2021	0.01	0.00265	10.3	0.0059	0.00205	0.00019	0.000303	1.98	0.00156	0.00048	3.05	0.369	<0.00005	<0.00001	6.56	0.00136	0.000116	0.0000071	<0.00001	<0.0002	<0.0002	0.000011
MP-EFF	3-Feb-2021	<0.01	0.00282	10.5	0.0107	0.00182	0.00017	0.00082	3.25	0.000911	0.00057	2.77	0.404	<0.00005	<0.00001	7.44	0.000887	<0.00005	0.0000145	<0.00001	<0.0002	<0.0002	0.0000122
MP-EFF	10-Feb-2021	<0.05	0.00275	11.2	0.0111	0.00359	<0.0004	<0.0002	3.19	0.00169	0.00062	2.7	0.374	<0.0002	<0.00005	7.31	0.00152	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF	17-Feb-2021	<0.01	0.0024	11.4	0.041	0.00634	0.00037	0.000077	5.36	0.00455	0.00065	2.86	0.378	<0.00005	<0.00001	9.26	0.00443	0.000108	0.0000234	0.000012	<0.0002	0.00066	0.0000258
MP-EFF	24-Feb-2021	<0.01	0.00258	10.9	0.00573	0.00136	0.000204	0.000134	1.98	0.000869	0.00041	2.68	0.407	<0.00005	<0.00001	7.94	0.000774	<0.00005	0.0000154	<0.00001	<0.0002	0.00035	0.0000092
MP-EFF	3-Mar-2021	<0.01	0.0031	7.8	0.00357	0.00179	0.000142	<0.00005	3.68	0.00186	0.00051	2.42	0.463	0.000073	<0.00001	8.13	0.00179	<0.00005	0.0000175	<0.00001	<0.0002	0.00023	0.000008
MP-EFF	10-Mar-2021	<0.05	0.00256	6.63	0.00717	0.0017	0.0012	0.00022	2.68	0.0017	0.00077	2.1	0.391	<0.0002	<0.00005	6.69	0.00164	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF	17-Mar-2021	<0.01	0.00364	12.1	0.0485	0.00771	0.000554	0.000089	6.16	0.0119	0.00111	3.35	0.538	<0.00005	<0.00001	10.4	0.013	<0.00005	0.0000148	<0.00001	<0.0002	0.00049	0.0000178
MP-EFF	24-Mar-2021	<0.01	0.00281	10.5	0.0125	0.00558	0.000354	0.00009	5.9	0.00639	0.00068	2.84	0.418	0.00664	0.000011	8.26	0.00737	<0.00005	0.0000173	<0.00001	<0.0002	0.00028	0.0000125
MP-EFF	24-Mar-2021	<0.01	0.00296	10.5	0.013	0.00567	0.000254	0.000055	5.93	0.00624	0.00079	3.02	0.433	<0.00005	<0.00001	8.3	0.00748	<0.00005	0.0000166	<0.00001	<0.0002	0.00028	0.0000124
MP-EFF	31-Mar-2021	<0.01	0.00296	10.5	0.0135	0.00437	0.000263	0.000055	4.37	0.00518	0.00077	2.7	0.42	<0.00005	<0.00001	7.97	0.00482	<0.00005	0.0000173	<0.00001	<0.0002	0.00023	0.0000118
MP-EFF	7-Apr-2021	<0.01	0.00342	9.77	0.00589	0.00903	0.000094	0.00006	6.92	0.0095	0.00139	2.96	0.501	<0.00005	<0.00001	10.2	0.00941	<0.00005	0.0000184	<0.00001	<0.0002	0.00067	0.0000132
MP-EFF	14-Apr-2021	<0.05	0.00372	11.3	0.0182	0.0107	<0.0004	<0.0002	8.51	0.00804	0.00128	2.6	0.434	<0.0002	<0.00005	11.1	0.00763	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF	21-Apr-2021	<0.01	0.00257	10.2	0.0138	0.00733	0.000248	<0.00005	5.57	0.00738	0.00168	2.43	0.374	<0.00005	<0.00001	8.31	0.00741	<0.00005	0.0000169	<0.00001	<0.0002	0.00055	0.0000195
MP-EFF	29-Apr-2021	<0.05	0.00287	10.4	0.00719	0.0136	<0.0004	0.00022	8.83	0.0135	0.00435	3	0.417	<0.0002	0.000063	17.8	0.0132	<0.0005	<0.00002	<0.0001	<0.005	0.0011	<0.00002
MP-EFF	5-May-2021	<0.05	0.00273	9.91	0.0075	0.00907	<0.0004	<0.0002	6.06	0.0118	0.00239	2.9	0.418	<0.0002	<0.00005	15.6	0.011	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF	12-May-2021	<0.05	0.00308	9.59	0.0433	0.00654	0.0008	0.00197	6.52	0.0133	0.0022	2.7	0.412	<0.0002	<0.00005	13.4	0.0113	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021
MP-EFF	19-May-2021	0.015	0.00276	9.88	0.0209	0.00864	0.000203	0.000127	6.63	0.00473	0.00514	2.8	0.404	0.000051	0.000042	12.2	0.00496	<0.00005	0.0000155	<0.00001	<0.0002	0.00059	0.0000246
MP-EFF	26-May-2021	0.015	0.00263	8.41	0.00945	0.00929	0.000173	0.000118	7.31	0.00822	0.00544	2.7	0.435	<0.00005	0.000041	12.7	0.00774	<0.00005	0.0000158	<0.00001	<0.0002	0.00054	0.0000143
MP-EFF	2-Jun-2021	<0.05	0.00371	8.44	0.00689	0.0103	<0.0004	<0.0002	7.38	0.00831	0.00412	3	0.434	<0.0002	<0.00005	28.6	0.0081	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000033
MP-EFF	9-Jun-2021	<0.01	0.00325	11.9	0.0424	0.00114	0.000463	0.000079	1.84	0.000897	0.00064	2.83	0.453	<0.00005	<0.00001	9.48	0.000777	<0.00005	0.0000296	<0.00001	<0.0002	<0.0002	0.0000165
MP-EFF	17-Jun-2021	0.012	0.00249	9.64	0.00914	0.000863	0.000137	<0.00005	1.37	0.000703	0.00044	2.58	0.341	<0.00005	<0.00001	7.11	0.000646	0.000074	0.0000188	<0.00001	<0.0002	<0.0002	0.0000185
MP-EFF	23-Jun-2021	<0.01	0.0033	10.9	0.0225	0.0126	0.000208	0.000056	9.2	0.0118	0.00587	2.2	0.4	0.000056	0.000034	15	0.011	<0.00005	0.0000329	<0.00001	<0.0002	0.00063	0.000023
MP-EFF	30-Jun-2021	0.014	0.00323	10.3	0.0117	0.0125	0.00023	<0.00005	8.46	0.0145	0.00623	2.72	0.422	<0.00005	0.000042	13.3	0.014	<0.00005	0.0000209	<0.00001	<0.0002	0.00059	0.0000195
MP-EFF	7-Jul-2021	<0.05	0.00371	11.3	0.136	0.0118	0.00096	<0.0002	7.69	0.0112	0.0222	3.1	0.433	<0.0002	<0.00005	14.8	0.0124	<0.0005	0.000028	<0.0001	<0.005	<0.001	0.000054
MP-EFF	14-Jul-2021	<0.01	0.00332	11.7	0.013	0.0102	0.000195	0.000326	7.96	0.0136	0.00603	2.35	0.441	<0.00005	0.000023	14.9	0.0126	<0.00005	0.0000252	<0.00001	<0.0002	0.00064	0.0000133
MP-EFF	21-Jul-2021	0.017	0.00284	7.89	0.0185	0.0165	0.000303	0.000056	9.52	0.0108	0.0103	3.01	0.353	<0.00005	0.000059	18.6	0.0106	<0.00005	0.0000155	<0.00001	<0.0002	0.001	0.0000248
MP-EFF	28-Jul-2021	0.019	0.0039	10.2	0.0126	0.0136	0.000193	<0.00005	7.42	0.00723	0.00605	2.75	0.419	<0.00005	0.000042	20.1	0.00682	<0.00005	0.0000239	<0.00001	<0.0002	0.00125	0.0000145
MP-EFF	4-Aug-2021	<0.01	0.00421	10.3	0.0228	0.0138	0.000395	<0.00005	8.63	0.00926	0.00581	2.76	0.426	<0.00005	0.000068	20.9	0.0098	<0.00005	0.0000225	<0.00001	<0.0002	0.00106	0.0000272
MP-EFF	10-Aug-2021	<0.05	0.00384	11.4	0.0568	0.0123	0.00082	<0.0002	8.79	0.0101	0.00501	3	0.436	<0.0002	0.000086	21	0.00971	<0.0005	0.000028	<0.0001	<0.005	0.0013	0.000036
MP-EFF	11-Aug-2021	0.011	0.00376	11.3	0.0491	0.0107	0.000518	0.000114	8.22	0.0082	0.00416	3.16	0.415	<0.00005	0.00007	19	0.00796	0.00005	0.0000249	<0.00001	<0.0002	0.00115	0.0000315
MP-EFF	18-Aug-2021	0.012	0.00376	9.33	0.0518	0.018	0.000606	0.000083	12.8	0.0146	0.00797	2.85	0.425	<0.00005	0.000241	23	0.0144	<0.00005	0.0000305	<0.00001	<0.0002	0.0012	0.0000407
MP-EFF	25-Aug-2021	0.013	0.00436	12.1	0.0289	0.0132	0.000512	<0.00005	9.96	0.00948	0.00324	3.15	0.463	<0.00005	0.000034	25	0.00889	<0.00005	0.0000411	<0.00001	<0.0002	0.00078	0.0000324
MP-EFF	1-Sep-2021	<0.01	0.0051	11.1	0.0194	0.0145	0.000351	0.000159	12.3	0.0136	0.00516	3.07	0.462	0.000059	0.000162	24.5	0.0132	<0.00005	0.0000456	<0.00001	<0.0002	0.00104	0.0000368
MP-EFF	8-Sep-2021	<0.01	0.00432	10	0.00896	0.0151	0.000354	0.000071	11.7	0.0182	0.00939	3.05	0.421	<0.00005	0.000112	23	0.0184	<0.00005	0.0000339	<0.00001	<0.0002	0.00092	0.0000241
MP-EFF	15-Sep-2021	<0.05	0.00362	10.3	0.0128	0.0122	0.00042	<0.0002	8.99	0.00725	0.00351	3.2	0.425	<0.0002	<0.00005	21.4	0.00668	<0.0005	0.000046	<0.0001	<0.005	0.0012	0.000028
MP-EFF	21-Sep-2021	<0.01	0.000249	1.12	0.082	0.000157	0.00176	0.000461	0.131	0.0002	<0.0001	1.87	0.0274	0.000087	0.000038	1.11	0.000167	<0.00005	<0.000004	<0.00001	0.00086	<0.0002	0.0000405
MP-EFF	22-Sep-2021	<0.01	0.00409	10.5	0.04	0.0083	0.000559	0.000111	10.2	0.00757	0.00366	2.71	0.485	<0.00005	0.000108	21.1	0.00751	<0.00005	0.0000407	<0.00001	<0.0002	0.00049	0.0000345
MP-EFF	29-Sep-2021	<0.01	0.00584	8.03	0.421	0.00123	0.00114	<0.00005	5.65	0.000446	0.00173	0.81	0.551	<0.00005	<0.00001	10.7	0.000437	<0.00005	0.000044	<0.00001	<0.0002	<0.0002	0.0000313
MP-EFF	6-Oct-2021	<0.01	0.00315	7.97	0.0417	0.0019	0.000918	0.000052	4.92	0.00144	0.00107	2.37	0.411	<0.00005	<0.00001	10.6	0.00137	<0.00005	0.000027	<0.00001	<0.0002	<0.0002	0.0000281
MP-EFF	13-Oct-2021	<0.01	0.00279	7.97	0.0186	0.00234	0.000322	<0.00005	6.7	0.00204	0.00101	2.08	0.358	<0.00005	<0.00001	14.2	0.00207	<0.00005	0.0000263	<0.00001	<0.0002	<0.0002	0.0000202
MP-EFF	13-Oct-2021	<0.01	0.00277	8.11	0.0187	0.00237	0.000276	<0.00005	6.88	0.00221	0.00094	2.17	0.365	<0.00005	<0.00001	14.6	0.00204	<0.00005	0.0000258	<0.00001	<0.0002	0.00021	0.0000185
MP-EFF	20-Oct-2021	<0.01	0.00383	4.65	0.0018	0.00233	0.0188	0.000587	5.26	0.00206	0.00088	2.17	0.414	0.000226	<0.00001	12	0.00179	<0.00005	0.0000323	<0.00001	<0.0002	<0.0002	0.0000081
MP-EFF	25-Oct-2021	-	-	-	-	-	-	-	-	0.00065	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF	25-Oct-2021	-	-	-	-	-	-	-	-	0.00081	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF	25-Oct-2021	-	-	-	-	-	-	-	-	0.00085	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF	27-Oct-2021	<0.01	0.00288	3.32	0.011	0.000833	0.000084	0.000091	2.97	0.000689	0.00112	1.22	0.263	<0.00005	<0.00001	6.37	0.000595	<0.00005	0.0000229	<0.00001	<0.0002	<0.0002	0.0000142

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MP-EFF	13-Jan-2021	0.00114	0.105	<0.00002	-	-	-	-	-
MP-EFF	20-Jan-2021	<0.001	0.0086	<0.0001	-	-	-	-	-
MP-EFF	27-Jan-2021	<0.0002	0.017	<0.00002	-	-	-	-	-
MP-EFF	3-Feb-2021	<0.0002	0.0151	<0.00002	-	-	-	-	-
MP-EFF	10-Feb-2021	<0.001	0.0382	<0.0001	-	-	<0.005	-	-
MP-EFF	17-Feb-2021	0.00024	0.0377	<0.00002	-	-	-	-	-
MP-EFF	24-Feb-2021	0.00042	0.0093	<0.00002	-	-	-	-	-
MP-EFF	3-Mar-2021	0.00027	0.0058	<0.00002	-	-	-	-	-
MP-EFF	10-Mar-2021	<0.001	0.0309	<0.0001	-	-	-	-	-
MP-EFF	17-Mar-2021	0.001	0.0129	<0.00002	-	-	-	-	-
MP-EFF	24-Mar-2021	<0.0002	0.0217	<0.00002	-	-	-	-	-
MP-EFF	24-Mar-2021	<0.0002	0.0059	<0.00002	-	-	-	-	-
MP-EFF	31-Mar-2021	0.00029	0.0068	<0.00002	-	-	-	-	-
MP-EFF	7-Apr-2021	0.00051	0.005	<0.00002	-	-	-	-	-
MP-EFF	14-Apr-2021	<0.001	0.0121	<0.0001	<0.00001	-	<0.005	-	-
MP-EFF	21-Apr-2021	0.00038	0.0196	<0.00002	-	-	-	-	-
MP-EFF	29-Apr-2021	<0.001	0.008	<0.0001	-	-	-	-	-
MP-EFF	5-May-2021	<0.001	0.0119	<0.0001	-	-	-	-	-
MP-EFF	12-May-2021	<0.001	0.074	<0.0001	-	-	-	-	-
MP-EFF	19-May-2021	0.0005	0.0093	<0.00002	-	-	-	-	-
MP-EFF	26-May-2021	0.00081	0.0071	<0.00002	-	-	-	-	-
MP-EFF	2-Jun-2021	0.0014	<0.004	<0.0001	-	-	-	-	-
MP-EFF	9-Jun-2021	<0.0002	0.0253	<0.00002	-	-	-	-	-
MP-EFF	17-Jun-2021	<0.0002	0.0087	<0.00002	-	-	-	-	-
MP-EFF	23-Jun-2021	0.00063	0.0052	<0.00002	-	-	-	-	-
MP-EFF	30-Jun-2021	0.00057	0.0076	<0.00002	-	-	-	-	-
MP-EFF	7-Jul-2021	<0.001	0.0747	<0.0001	<0.00001	-	<0.005	-	-
MP-EFF	14-Jul-2021	0.00037	0.0083	<0.00002	-	-	-	-	-
MP-EFF	21-Jul-2021	0.00051	0.0201	<0.00002	-	-	-	-	-
MP-EFF	28-Jul-2021	0.00037	0.0026	<0.00002	-	-	-	-	-
MP-EFF	4-Aug-2021	<0.0002	0.011	<0.00002	-	-	-	-	-
MP-EFF	10-Aug-2021	<0.001	0.0256	<0.0001	-	-	-	-	-
MP-EFF	11-Aug-2021	0.00053	0.0175	<0.00002	-	-	-	-	-
MP-EFF	18-Aug-2021	<0.0002	0.0329	<0.00002	-	-	-	-	-
MP-EFF	25-Aug-2021	<0.0002	0.028	<0.00002	-	-	-	-	-
MP-EFF	1-Sep-2021	<0.0002	0.0253	<0.00002	-	-	-	-	-
MP-EFF	8-Sep-2021	<0.0002	0.0065	<0.00002	-	-	-	-	-
MP-EFF	15-Sep-2021	<0.005	0.0139	<0.0001	<0.00001	-	<0.01	-	-
MP-EFF	21-Sep-2021	<0.0002	1.17	0.000035	-	-	-	-	-
MP-EFF	22-Sep-2021	<0.0002	0.0219	<0.00002	-	-	-	-	-
MP-EFF	29-Sep-2021	<0.0002	0.0265	<0.00002	-	-	-	-	-
MP-EFF	6-Oct-2021	<0.0002	0.0677	<0.00002	-	-	-	-	-
MP-EFF	13-Oct-2021	<0.0002	0.0042	<0.00002	-	-	-	-	-
MP-EFF	13-Oct-2021	<0.0002	0.0045	<0.00002	-	-	-	-	-
MP-EFF	20-Oct-2021	<0.0002	0.0169	<0.00002	-	-	-	-	-
MP-EFF	25-Oct-2021	-	-	-	-	-	-	-	-
MP-EFF	25-Oct-2021	-	-	-	-	-	-	-	-
MP-EFF	25-Oct-2021	-	-	-	-	-	-	-	-
MP-EFF	27-Oct-2021	<0.0002	0.0409	<0.00002	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21K0635	1	No	Regular	11A-RUNOFF (EMS ID E100666)	MP-EFF	3-Nov-2021	7.61	-	-	-	-	16.6	-	-	-	-
21K2542	1	No	Regular	11A RUNOFF (EMS ID E100666)	MP-EFF	10-Nov-2021	7.28	-	-	-	-	3.6	-	-	-	-
21K2542	2	No	Regular	11A RUNOFF	MP-EFF	13-Nov-2021	7.56	-	-	-	-	3.2	-	-	-	-
21K2042	2	No	Regular	11A-RUNOFF (EMS ID 100666)	MP-EFF	15-Nov-2021	7.65	659	-	-	-	7.2	-	30.2	<1	30.2
21K2542	3	No	Regular	11A RUNOFF (EMS ID E100666)	MP-EFF	17-Nov-2021	7.59	-	-	-	-	5.8	-	-	-	-
21K3317	1	No	Regular	11A RUNOFF (EMS ID E100666)	MP-EFF	24-Nov-2021	7.58	-	-	-	-	6.2	-	-	-	-
21K3316	3	No	Regular	MP-EFF	MP-EFF	24-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L0612	1	No	Regular	11A RUNOFF (EMS ID E100666)	MP-EFF	1-Dec-2021	7.32	-	-	-	-	13.2	-	-	-	-
21L1640	1	No	Regular	11A RUNOFF (EMS ID E100666)	MP-EFF	8-Dec-2021	7.38	-	-	-	-	5	-	-	-	-
21L2262	1	No	Regular	MP-EFF	MP-EFF	14-Dec-2021	7.24	738	-	-	-	6.4	-	27.9	<1	27.9
21L2395	1	No	Regular	11A RUNOFF (EMS ID E100666)	MP-EFF	15-Dec-2021	7.32	-	-	-	-	5	-	-	-	-
21L3409	1	No	Regular	11A RUNOFF (EMS ID E100666)	MP-EFF	22-Dec-2021	7.53	-	-	-	-	5.4	-	-	-	-
21L3748	1	No	Regular	11A RUNOFF (EMS ID E100666)	MP-EFF	29-Dec-2021	7.31	-	-	-	-	5.8	-	-	-	-
21B0131	20	No	Replicate	MP-EFF DC D	MP-EFFC	19-Jan-2021	-	-	350	-	-	-	-	-	-	-
21B0131	19	No	Replicate	MP-EFF DC D	MP-EFFC	28-Jan-2021	-	-	258	-	-	-	-	-	-	-
21I0487	1	No	Replicate	MP-EFF DC D	MP-EFFC	29-Aug-2021	-	-	-	-	-	-	-	-	-	-
21I0487	2	No	Replicate	MP-EFF DC D	MP-EFFC	30-Aug-2021	-	-	-	-	-	-	-	-	-	-
21I0487	3	No	Replicate	MP-EFF DC D	MP-EFFC	31-Aug-2021	-	-	-	-	-	-	-	-	-	-
21I1395	1	No	Replicate	MP-EFF (A) DC D Hand	MP-EFFC	1-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1395	2	No	Replicate	MP-EFF (B) DC D Hand	MP-EFFC	1-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J3982	9	No	Replicate	MP-EFF DC D (E100666)	MP-EFFC	26-Oct-2021	-	-	-	-	-	-	-	-	-	-
21K0660	3	No	Replicate	MP-EFF DC D	MP-EFFC	28-Oct-2021	-	-	-	-	-	-	-	-	-	-
21A2072	1	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	1-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2072	2	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	2-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2072	3	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	3-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2072	4	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	4-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2072	5	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	5-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2072	6	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	6-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2072	7	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	7-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2072	8	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	8-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2072	9	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	9-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2072	10	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	10-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2072	11	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	11-Jan-2021	-	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	12-Jan-2021	8.50	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	13-Jan-2021	8.47	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	14-Jan-2021	8.49	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	15-Jan-2021	8.47	-	-	-	-	-	-	-	-	-
21C1300	8	No	Regular	MP=EFF DC (Jan 14,15)	MP-EFF-DC	15-Jan-2021	-	-	261	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	16-Jan-2021	8.49	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	17-Jan-2021	8.48	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	18-Jan-2021	8.50	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	19-Jan-2021	8.49	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	20-Jan-2021	8.48	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	21-Jan-2021	8.47	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	22-Jan-2021	8.47	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	23-Jan-2021	8.49	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	24-Jan-2021	8.47	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	25-Jan-2021	8.49	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	26-Jan-2021	8.53	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MP-EFF	3-Nov-2021	-	-	-	-	-	-	-	-	-	0.591	-	-	-	-	0.74	141	0.00095	0.0318	0.129
MP-EFF	10-Nov-2021	-	-	-	-	-	-	-	-	-	0.729	-	-	-	-	0.437	111	<0.0005	<0.05	0.0407
MP-EFF	13-Nov-2021	-	-	-	-	-	-	-	-	-	0.628	-	-	-	-	0.323	132	0.000301	0.048	0.0434
MP-EFF	15-Nov-2021	<1	<1	3.43	0.38	295	1.77	0.961	0.942	0.044	0.549	0.0081	-	1.28	1.12	0.917	126	<0.0005	<0.05	0.0359
MP-EFF	17-Nov-2021	-	-	-	-	-	-	-	-	-	0.569	-	-	-	-	0.287	137	0.000346	0.0507	0.0368
MP-EFF	24-Nov-2021	-	-	-	-	-	-	-	-	-	1.94	-	-	-	-	0.173	116	0.00067	<0.05	0.0317
MP-EFF	24-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF	1-Dec-2021	-	-	-	-	-	-	-	-	-	0.362	-	-	-	-	0.985	105	0.00094	<0.05	0.0853
MP-EFF	8-Dec-2021	-	-	-	-	-	-	-	-	-	0.764	-	-	-	-	0.18	122	<0.0005	<0.05	0.0329
MP-EFF	14-Dec-2021	<1	<1	4.19	0.25	320	3.33	2.58	-	-	-	0.024	-	-	-	0.298	112	<0.0005	<0.05	0.031
MP-EFF	15-Dec-2021	-	-	-	-	-	-	-	-	-	0.978	-	-	-	-	0.207	112	<0.0005	<0.05	0.0288
MP-EFF	22-Dec-2021	-	-	-	-	-	-	-	-	-	0.857	-	-	-	-	0.127	102	<0.0005	<0.05	0.0313
MP-EFF	29-Dec-2021	-	-	-	-	-	-	-	-	-	0.454	-	-	-	-	0.175	99.5	<0.0005	<0.05	0.0192
MP-EFFC	19-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.153	127	<0.0005	<0.05	0.0258
MP-EFFC	28-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.153	86.4	<0.0005	<0.05	0.0256
MP-EFFC	29-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0885	164	0.00083	0.0809	0.0278
MP-EFFC	30-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.162	159	0.00072	0.0841	0.0278
MP-EFFC	31-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.147	152	0.00083	0.0851	0.0311
MP-EFFC	1-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFFC	1-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFFC	26-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.12	119	0.00057	<0.05	0.0655
MP-EFFC	28-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.929	108	0.00058	<0.05	0.0627
MP-EFF-DC	1-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.106	104	0.00057	<0.05	0.0276
MP-EFF-DC	2-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.664	102	0.00115	<0.05	0.0443
MP-EFF-DC	3-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	114	<0.0005	<0.05	0.026
MP-EFF-DC	4-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.182	95.4	<0.0005	<0.05	0.0283
MP-EFF-DC	5-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.176	106	0.00055	<0.05	0.025
MP-EFF-DC	6-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.892	114	0.00089	<0.05	0.0282
MP-EFF-DC	7-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.619	119	0.00087	<0.05	0.0305
MP-EFF-DC	8-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.417	122	0.00059	<0.05	0.027
MP-EFF-DC	9-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.325	130	<0.0005	<0.05	0.0256
MP-EFF-DC	10-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.613	127	0.00078	<0.05	0.0292
MP-EFF-DC	11-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.297	103	0.0008	<0.05	0.0666
MP-EFF-DC	12-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	13-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	14-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	15-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	15-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0343	97.7	0.00059	<0.05	0.0289
MP-EFF-DC	16-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	17-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	18-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	19-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	20-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	21-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	22-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	23-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	24-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	25-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	26-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MP-EFF	3-Nov-2021	0.000014	0.000022	0.00281	150	0.00067	0.00099	0.0701	0.704	0.01	0.00424	9.58	0.12	0.00142	0.00147	0.0233	4.41	0.00106	<0.00005	1.72	0.000073	9.29	0.405
MP-EFF	10-Nov-2021	<0.0001	<0.0001	0.000709	122	<0.0005	0.00025	0.0138	0.084	<0.05	0.00344	9.91	0.0805	0.00199	0.00053	0.00316	4.13	0.00105	<0.0002	1.2	<0.00005	9.59	0.332
MP-EFF	13-Nov-2021	<0.00001	<0.00001	0.000718	143	0.00031	0.000314	0.02	0.115	0.011	0.00444	12.7	0.0958	0.00188	0.000544	0.00422	4.83	0.00115	<0.00005	2.64	<0.00001	11.3	0.406
MP-EFF	15-Nov-2021	<0.0001	<0.0001	0.000987	115	<0.0005	0.00047	0.0348	0.184	<0.05	0.00322	8.81	0.0937	0.00307	0.00072	0.0066	3.71	0.00172	<0.0002	1.6	<0.00005	8.92	0.294
MP-EFF	17-Nov-2021	<0.00001	<0.00001	0.00127	144	0.00024	0.000747	0.033	0.149	<0.01	0.00403	14.4	0.153	0.00382	0.00141	0.00286	5.9	0.00153	<0.00005	3.03	0.00004	11	0.4
MP-EFF	24-Nov-2021	<0.0001	<0.0001	0.000481	128	<0.0005	0.00055	0.0185	0.122	<0.05	0.00366	13.9	0.162	0.00363	0.00137	0.00216	5.19	0.00127	<0.0002	3	<0.00005	11.5	0.359
MP-EFF	24-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF	1-Dec-2021	<0.0001	<0.0001	0.00204	112	<0.0005	0.00063	0.0528	0.458	<0.05	0.00276	7.51	0.0908	0.00085	0.00099	0.027	1.18	0.00052	<0.0002	2.2	0.000099	4.52	0.281
MP-EFF	8-Dec-2021	<0.0001	<0.0001	0.000408	124	<0.0005	0.00031	0.0159	0.109	<0.05	0.00312	14.1	0.103	0.00614	0.00086	0.00185	4.78	0.00109	<0.0002	3	0.00005	12.6	0.368
MP-EFF	14-Dec-2021	<0.0001	<0.0001	0.000992	118	<0.0005	0.00058	0.0323	0.172	<0.05	0.00355	12.3	0.108	0.00493	0.00113	0.00227	5.91	0.00165	<0.0002	2.4	<0.00005	12.6	0.361
MP-EFF	15-Dec-2021	<0.0001	<0.0001	0.000887	116	<0.0005	0.00046	0.0281	0.134	<0.05	0.0033	11.2	0.0746	0.0067	0.00094	0.00182	6.05	0.00137	0.00065	2.6	0.000074	12.4	0.366
MP-EFF	22-Dec-2021	<0.0001	<0.0001	0.000337	105	<0.0005	0.00018	0.0152	0.075	<0.05	0.00333	11.4	0.0442	0.004	<0.0004	0.00469	3.69	0.0011	<0.0002	2.8	<0.00005	11.6	0.381
MP-EFF	29-Dec-2021	<0.0001	<0.0001	0.000339	116	<0.0005	0.0002	0.00599	<0.01	0.05	0.00324	12.9	0.0602	0.0035	0.00066	<0.0002	3.84	0.00124	<0.0002	3.3	<0.00005	10	0.364
MP-EFFC	19-Jan-2021	<0.0001	<0.0001	0.000532	124	<0.0005	0.00012	0.00861	0.021	<0.05	0.00272	13.7	0.0199	0.00544	<0.0004	0.00135	4.69	0.00051	<0.0002	3.1	<0.00005	9.02	0.458
MP-EFFC	28-Jan-2021	<0.0001	<0.0001	0.000324	92.6	<0.0005	0.00017	0.0108	0.037	<0.05	0.00217	10.5	0.0314	0.00176	0.0005	0.00377	1.86	<0.0005	0.00087	3.4	<0.00005	6.69	0.345
MP-EFFC	29-Aug-2021	<0.0001	<0.0001	0.000192	154	<0.0005	0.00017	0.0137	<0.01	<0.05	0.00473	14.5	0.0296	0.0128	<0.0004	0.00056	10.7	0.0048	<0.0002	3.7	0.000102	25.6	0.516
MP-EFFC	30-Aug-2021	<0.0001	<0.0001	0.000106	149	<0.0005	<0.0001	0.0101	0.01	<0.05	0.00516	14.5	0.0183	0.0117	<0.0004	0.0003	10	0.00428	<0.0002	3.6	0.000068	24.5	0.54
MP-EFFC	31-Aug-2021	<0.0001	<0.0001	0.000183	143	<0.0005	0.00025	0.00921	0.02	<0.05	0.00535	14.2	0.0821	0.00996	0.00041	0.00051	9.03	0.00347	<0.0002	3.7	0.000134	22.6	0.55
MP-EFFC	1-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFFC	1-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFFC	26-Oct-2021	<0.0001	<0.0001	0.00218	139	<0.0005	0.00074	0.0596	0.448	<0.05	0.0036	5.21	0.116	0.00122	0.00082	0.0143	3.15	0.00162	<0.0002	1.1	0.000072	7.97	0.29
MP-EFFC	28-Oct-2021	<0.0001	<0.0001	0.00142	130	<0.0005	0.00043	0.0413	0.278	<0.05	0.00322	5.7	0.0602	0.00104	0.00083	0.00689	2.55	0.00108	<0.0002	1.9	<0.00005	6.58	0.3
MP-EFF-DC	1-Jan-2021	<0.0001	<0.0001	0.00138	107	<0.0005	0.00035	0.0161	0.031	<0.05	0.00251	7.83	0.0587	0.00096	0.00071	0.00199	3.05	0.00055	<0.0002	1.9	<0.00005	6.53	0.389
MP-EFF-DC	2-Jan-2021	<0.0001	<0.0001	0.00216	106	<0.0005	0.00083	0.0607	0.5	<0.05	0.00239	6.55	0.12	0.00104	0.00159	0.0257	2.07	0.00081	<0.0002	1.9	<0.00005	4.48	0.353
MP-EFF-DC	3-Jan-2021	<0.0001	<0.0001	0.00148	108	<0.0005	0.00042	0.0122	0.035	<0.05	0.00265	11.5	0.0839	0.00122	0.00089	0.00243	3.13	0.00075	<0.0002	2.1	<0.00005	7.23	0.4
MP-EFF-DC	4-Jan-2021	<0.0001	<0.0001	0.00179	96.1	<0.0005	0.00049	0.014	0.066	<0.05	0.00234	7.32	0.0755	0.0011	0.00092	0.00287	2.07	0.00066	<0.0002	1.6	<0.00005	4.47	0.334
MP-EFF-DC	5-Jan-2021	<0.0001	<0.0001	0.0018	104	<0.0005	0.00054	0.0171	0.095	<0.05	0.00255	10.6	0.0851	0.00099	0.00108	0.00374	2.61	0.00077	<0.0002	1.9	<0.00005	6.65	0.362
MP-EFF-DC	6-Jan-2021	<0.0001	<0.0001	0.00249	111	<0.0005	0.00108	0.0798	0.549	<0.05	0.00248	9.66	0.148	0.0011	0.00205	0.0171	2.5	0.00083	<0.0002	1.6	<0.00005	6.32	0.369
MP-EFF-DC	7-Jan-2021	<0.0001	<0.0001	0.00199	117	<0.0005	0.00101	0.0639	0.454	<0.05	0.00272	12.4	0.161	0.00138	0.00193	0.0142	2.7	0.00081	<0.0002	2.1	<0.00005	7.01	0.402
MP-EFF-DC	8-Jan-2021	<0.0001	<0.0001	0.00171	116	<0.0005	0.00073	0.0416	0.28	<0.05	0.00259	13.4	0.133	0.00144	0.00153	0.00868	3.25	0.00068	<0.0002	2.2	<0.00005	7.53	0.405
MP-EFF-DC	9-Jan-2021	<0.0001	<0.0001	0.0015	123	<0.0005	0.00063	0.0327	0.174	<0.05	0.00269	14.3	0.107	0.002	0.00129	0.00493	3.62	0.00059	<0.0002	2.4	<0.00005	7.62	0.434
MP-EFF-DC	10-Jan-2021	<0.0001	<0.0001	0.00182	122	<0.0005	0.00083	0.0595	0.449	<0.05	0.0028	14.3	0.145	0.00146	0.00175	0.0147	3.95	0.0006	<0.0002	2.6	<0.00005	7.68	0.417
MP-EFF-DC	11-Jan-2021	<0.0001	<0.0001	0.00133	123	<0.0005	0.00057	0.0296	0.233	<0.05	0.00266	8.14	0.07	0.00176	0.00095	0.00759	2.49	<0.0005	<0.0002	2.6	<0.00005	5.43	0.423
MP-EFF-DC	12-Jan-2021	-	-	-	-	-	-	0.0164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	13-Jan-2021	-	-	-	-	-	-	0.052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	14-Jan-2021	-	-	-	-	-	-	0.0347	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	15-Jan-2021	-	-	-	-	-	-	0.0264	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	15-Jan-2021	<0.0001	<0.0001	0.00088	98.2	<0.0005	0.00023	0.0377	0.165	<0.05	0.00291	10.6	0.00495	0.00229	0.0101	0.00358	5.51	0.00057	0.00021	1.7	<0.00005	9.84	0.381
MP-EFF-DC	16-Jan-2021	-	-	-	-	-	-	0.00481	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	17-Jan-2021	-	-	-	-	-	-	0.00583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	18-Jan-2021	-	-	-	-	-	-	0.00673	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	19-Jan-2021	-	-	-	-	-	-	0.00758	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	20-Jan-2021	-	-	-	-	-	-	0.00403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	21-Jan-2021	-	-	-	-	-	-	0.00478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	22-Jan-2021	-	-	-	-	-	-	0.0127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	23-Jan-2021	-	-	-	-	-	-	0.0187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	24-Jan-2021	-	-	-	-	-	-	0.0181	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	25-Jan-2021	-	-	-	-	-	-	0.00626	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	26-Jan-2021	-	-	-	-	-	-	0.0118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MP-EFF	3-Nov-2021	<0.00005	0.0000329	<0.00001	0.00833	0.0002	0.0000732	0.00091	0.671	0.000066	-	0.34	123	0.000106	0.0327	<0.00001	<0.00001	0.0258	0.000529	118	0.00025	0.0000685	0.00385	<0.002
MP-EFF	10-Nov-2021	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.00003	<0.001	0.122	<0.0001	-	0.212	113	<0.0005	<0.05	<0.0001	<0.0001	0.0304	0.000511	113	<0.0005	0.00014	0.00264	<0.01
MP-EFF	13-Nov-2021	<0.00005	<0.000004	<0.00001	0.00174	0.00035	0.0000235	<0.0002	0.172	<0.00002	-	0.207	115	0.000272	0.0412	<0.00001	0.000127	0.0276	0.000281	117	0.0003	0.000205	0.00394	0.0112
MP-EFF	15-Nov-2021	<0.0005	0.000023	<0.0001	<0.005	<0.001	0.000041	<0.001	0.235	<0.0001	<0.00001	0.451	93.3	<0.0005	<0.05	<0.0001	<0.0001	0.0245	0.000366	93.2	<0.0005	0.00016	0.00303	<0.01
MP-EFF	17-Nov-2021	<0.00005	<0.000004	<0.00001	0.00248	0.00027	0.0000415	<0.0002	0.364	0.000046	-	0.153	119	0.000429	0.0436	<0.00001	0.000273	0.028	0.000531	126	0.00036	0.000478	0.00648	0.0224
MP-EFF	24-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000034	<0.001	0.136	0.00012	-	0.109	135	<0.0005	<0.05	<0.0001	<0.0001	0.0242	0.000119	114	<0.0005	0.0003	0.00583	<0.01
MP-EFF	24-Nov-2021	-	-	-	-	-	-	-	-	-	-	0.103	124	<0.0005	<0.05	<0.0001	<0.0001	0.027	0.000309	125	<0.0005	0.00039	0.00482	0.029
MP-EFF	1-Dec-2021	<0.0005	<0.00002	<0.0001	0.0065	<0.001	0.000039	0.0012	0.434	<0.0001	-	0.318	77.5	<0.0005	<0.05	<0.0001	<0.0001	0.0255	0.000432	91.7	<0.0005	0.00014	0.00439	<0.01
MP-EFF	8-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000034	<0.001	0.13	<0.0001	-	0.0971	118	<0.0005	<0.05	<0.0001	<0.0001	0.0244	0.000105	114	<0.0005	0.00016	0.00544	<0.01
MP-EFF	14-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000036	<0.001	0.303	<0.0001	-	0.117	112	<0.0005	<0.05	<0.0001	<0.0001	0.023	0.000276	113	<0.0005	0.00018	0.00638	<0.01
MP-EFF	15-Dec-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000027	<0.001	0.262	<0.0001	-	0.104	103	<0.0005	<0.05	<0.0001	<0.0001	0.0242	0.000368	104	<0.0005	0.00011	0.00717	<0.01
MP-EFF	22-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.123	<0.0001	-	0.0863	96.2	0.00057	<0.05	<0.0001	<0.0001	0.0221	0.000058	105	<0.0005	<0.0001	0.00464	<0.01
MP-EFF	29-Dec-2021	<0.0005	0.00002	<0.0001	<0.005	<0.001	0.000035	<0.001	0.11	<0.0001	-	0.279	97.2	<0.0005	<0.05	<0.0001	<0.0001	0.0207	0.00081	112	<0.0005	0.00047	0.0259	0.124
MP-EFFC	19-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0841	<0.0001	-	0.111	126	<0.0005	<0.05	<0.0001	<0.0001	0.0216	0.000447	120	<0.0005	<0.0001	0.00489	<0.01
MP-EFFC	28-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.103	<0.0001	-	0.0961	92.6	<0.0005	<0.05	<0.0001	<0.0001	0.0213	0.000232	87.5	<0.0005	<0.0001	0.00234	<0.01
MP-EFFC	29-Aug-2021	<0.0005	0.000051	<0.0001	<0.005	<0.001	0.000036	<0.001	0.0359	<0.0001	-	0.0838	146	0.00062	0.064	<0.0001	<0.0001	0.0243	0.000148	134	<0.0005	0.00014	0.0128	<0.01
MP-EFFC	30-Aug-2021	<0.0005	0.000054	<0.0001	<0.005	<0.001	0.000032	<0.001	0.0152	<0.0001	-	0.154	139	0.00054	0.0653	<0.0001	<0.0001	0.0231	0.000075	131	<0.0005	<0.0001	0.00869	<0.01
MP-EFFC	31-Aug-2021	<0.0005	0.000049	<0.0001	<0.005	<0.001	0.000031	<0.001	0.037	<0.0001	-	0.134	137	0.00056	0.0654	<0.0001	<0.0001	0.0322	0.000158	129	<0.0005	0.00019	0.00738	<0.01
MP-EFFC	1-Sep-2021	-	-	-	-	-	-	-	-	-	-	0.0298	150	0.0012	0.0794	<0.0001	<0.0001	0.0306	0.000257	127	<0.0005	0.00021	0.00478	<0.01
MP-EFFC	1-Sep-2021	-	-	-	-	-	-	-	-	-	-	0.0515	146	0.00108	0.0769	<0.0001	<0.0001	0.0281	0.000255	128	<0.0005	0.00015	0.00478	<0.01
MP-EFFC	26-Oct-2021	<0.0005	0.000038	<0.0001	<0.005	<0.001	0.000059	<0.001	0.464	<0.0001	-	1.24	116	<0.0005	<0.05	<0.0001	<0.0001	0.0305	0.00061	129	<0.0005	0.00011	0.00255	<0.01
MP-EFFC	28-Oct-2021	<0.0005	0.000029	<0.0001	<0.005	<0.001	0.000032	<0.001	0.368	<0.0001	-	0.305	97.1	<0.0005	<0.05	<0.0001	<0.0001	0.0291	0.000786	122	<0.0005	0.00012	0.00239	<0.01
MP-EFF-DC	1-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002	<0.001	0.22	<0.0001	-	0.0268	96	0.00061	<0.05	<0.0001	<0.0001	0.0238	0.00128	108	<0.0005	0.00038	0.00281	<0.01
MP-EFF-DC	2-Jan-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000063	0.0017	0.542	0.00023	-	0.0222	95.6	0.00055	<0.05	<0.0001	<0.0001	0.0329	0.00169	108	<0.0005	0.00046	0.00243	<0.01
MP-EFF-DC	3-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025	0.001	0.285	<0.0001	-	0.0268	104	0.00051	<0.05	<0.0001	<0.0001	0.0221	0.00131	109	<0.0005	0.00047	0.00291	<0.01
MP-EFF-DC	4-Jan-2021	<0.0005	0.000022	<0.0001	<0.005	<0.001	0.00002	<0.001	0.346	<0.0001	-	0.027	90.3	<0.0005	<0.05	<0.0001	<0.0001	0.024	0.00173	92.5	<0.0005	0.00049	0.0031	<0.01
MP-EFF-DC	5-Jan-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000024	<0.001	0.363	<0.0001	-	0.0253	103	<0.0005	<0.05	<0.0001	<0.0001	0.028	0.00178	104	<0.0005	0.00049	0.00361	<0.01
MP-EFF-DC	6-Jan-2021	<0.0005	0.000022	<0.0001	<0.005	<0.001	0.00006	0.0025	0.653	<0.0001	-	0.0255	106	<0.0005	<0.05	<0.0001	<0.0001	0.0224	0.0021	115	<0.0005	0.00057	0.00354	<0.01
MP-EFF-DC	7-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000058	0.0031	0.544	<0.0001	-	0.0251	112	<0.0005	<0.05	<0.0001	<0.0001	0.0253	0.00164	113	<0.0005	0.00052	0.00405	<0.01
MP-EFF-DC	8-Jan-2021	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.000043	0.0026	0.437	<0.0001	-	0.0267	119	<0.0005	<0.05	<0.0001	<0.0001	0.0226	0.00147	114	<0.0005	0.0005	0.00432	0.011
MP-EFF-DC	9-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000039	0.0026	0.385	<0.0001	-	0.0272	127	<0.0005	<0.05	<0.0001	<0.0001	0.0219	0.00123	120	<0.0005	0.00044	0.00524	0.014
MP-EFF-DC	10-Jan-2021	<0.0005	0.000025	<0.0001	<0.005	<0.001	0.000055	0.0033	0.517	<0.0001	-	0.0279	117	0.00055	<0.05	<0.0001	<0.0001	0.0223	0.00141	116	<0.0005	0.00043	0.00444	<0.01
MP-EFF-DC	11-Jan-2021	<0.0005	0.000026	<0.0001	<0.005	<0.001	0.000027	0.0035	0.34	<0.0001	-	0.0188	106	<0.0005	<0.05	<0.0001	<0.0001	0.0275	0.00126	102	<0.0005	0.00032	0.00461	<0.01
MP-EFF-DC	12-Jan-2021	-	-	-	-	-	-	-	0.278	-	-	-	-	-	-	-	-	-	0.00122	-	-	-	0.00491	-
MP-EFF-DC	13-Jan-2021	-	-	-	-	-	-	-	0.334	-	-	-	-	-	-	-	-	-	0.00078	-	-	-	0.0317	-
MP-EFF-DC	14-Jan-2021	-	-	-	-	-	-	-	0.223	-	-	-	-	-	-	-	-	-	0.00078	-	-	-	0.0317	-
MP-EFF-DC	15-Jan-2021	-	-	-	-	-	-	-	0.286	-	-	-	-	-	-	-	-	-	0.000983	-	-	-	0.00506	-
MP-EFF-DC	15-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.268	<0.0001	-	0.0101	87.9	0.00051	<0.05	<0.0001	<0.0001	0.0221	0.00078	88.4	<0.0005	0.00016	0.0317	<0.01
MP-EFF-DC	16-Jan-2021	-	-	-	-	-	-	-	0.0936	-	-	-	-	-	-	-	-	-	0.000649	-	-	-	0.00184	-
MP-EFF-DC	17-Jan-2021	-	-	-	-	-	-	-	0.0777	-	-	-	-	-	-	-	-	-	0.000729	-	-	-	0.003	-
MP-EFF-DC	18-Jan-2021	-	-	-	-	-	-	-	0.0673	-	-	-	-	-	-	-	-	-	0.000608	-	-	-	0.00389	-
MP-EFF-DC	19-Jan-2021	-	-	-	-	-	-	-	0.125	-	-	-	-	-	-	-	-	-	0.000474	-	-	-	0.00495	-
MP-EFF-DC	20-Jan-2021	-	-	-	-	-	-	-	0.0267	-	-	-	-	-	-	-	-	-	0.000207	-	-	-	0.00321	-
MP-EFF-DC	21-Jan-2021	-	-	-	-	-	-	-	0.0385	-	-	-	-	-	-	-	-	-	0.000189	-	-	-	0.00201	-
MP-EFF-DC	22-Jan-2021	-	-	-	-	-	-	-	0.118	-	-	-	-	-	-	-	-	-	0.000351	-	-	-	0.00241	-
MP-EFF-DC	23-Jan-2021	-	-	-	-	-	-	-	0.181	-	-	-	-	-	-	-	-	-	0.000462	-	-	-	0.00325	-
MP-EFF-DC	24-Jan-2021	-	-	-	-	-	-	-	0.182	-	-	-	-	-	-	-	-	-	0.00043	-	-	-	0.00354	-
MP-EFF-DC	25-Jan-2021	-	-	-	-	-	-	-	0.0588	-	-	-	-	-	-	-	-	-	0.000172	-	-	-	0.00267	-
MP-EFF-DC	26-Jan-2021	-	-	-	-	-	-	-	0.135	-	-	-	-	-	-	-	-	-	0.000282	-	-	-	0.00273	-

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MP-EFF	3-Nov-2021	<0.01	0.00349	9.2	0.0255	0.00131	0.000169	0.000237	4.22	0.00128	0.00092	1.11	0.368	<0.00005	<0.00001	8.7	0.00105	<0.00005	0.0000271	<0.00001	<0.0002	<0.0002	0.0000126
MP-EFF	10-Nov-2021	<0.05	0.00327	9.53	0.0672	0.00192	0.00068	<0.0002	4.02	0.0013	0.00139	1.1	0.315	<0.0002	<0.00005	9.33	0.00119	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.000025
MP-EFF	13-Nov-2021	<0.01	0.00373	10.8	0.0577	0.00168	0.000266	0.000119	4.3	0.00157	0.00114	2.1	0.395	<0.00005	<0.00001	9.77	0.00137	<0.00005	0.000151	<0.00001	<0.0002	0.00031	0.0000175
MP-EFF	15-Nov-2021	<0.05	0.00281	9.8	0.0549	0.00268	<0.0004	<0.0002	3.73	0.00252	0.00153	1.2	0.251	<0.0002	<0.00005	8.3	0.00215	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF	17-Nov-2021	<0.01	0.00376	12.4	0.0735	0.0033	0.000812	0.00017	5.35	0.00492	0.00162	2.52	0.424	<0.00005	<0.00001	9.79	0.00419	<0.00005	0.000311	<0.00001	<0.0002	0.00024	0.0000381
MP-EFF	24-Nov-2021	<0.05	0.00335	14.3	0.114	0.00307	0.001	<0.0002	5.51	0.00385	0.00112	2.9	0.332	<0.0002	<0.00005	11.7	0.00352	<0.0005	0.00002	<0.0001	<0.005	<0.001	0.000028
MP-EFF	24-Nov-2021	<0.05	0.00322	15.1	0.129	0.00343	0.00135	0.00025	5.63	-	0.00105	2.8	0.341	0.00052	<0.00005	11.2	0.00403	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.000039
MP-EFF	1-Dec-2021	0.152	0.00158	6.82	0.0355	0.00073	<0.0004	<0.0002	1.03	0.00077	0.0005	1.7	0.226	<0.0002	<0.00005	3.86	0.00043	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF	8-Dec-2021	<0.05	0.00288	12	0.06	0.00552	0.00061	<0.0002	4.46	0.00352	0.00084	2.9	0.392	<0.0002	<0.00005	11.1	0.00353	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002
MP-EFF	14-Dec-2021	<0.05	0.00329	11.4	0.0406	0.00466	0.0006	<0.0002	5.44	0.00473	0.00138	2.3	0.347	<0.0002	<0.00005	11.9	0.00455	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022
MP-EFF	15-Dec-2021	<0.05	0.00315	10.5	0.0174	0.0062	<0.0004	<0.0002	5.66	0.00506	0.00106	2.5	0.343	<0.0002	<0.00005	11.7	0.00471	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF	22-Dec-2021	<0.05	0.00304	10.3	0.00882	0.00368	<0.0004	<0.0002	3.36	0.00283	0.00107	2.6	0.364	<0.0002	<0.00005	10.6	0.00321	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF	29-Dec-2021	<0.05	0.00312	12	0.112	0.00305	0.00104	0.00795	3.64	0.00332	0.00094	2.5	0.347	<0.0002	<0.00005	9.33	0.00329	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000041
MP-EFFC	19-Jan-2021	<0.05	0.0028	12.1	0.0133	0.0056	<0.0004	<0.0002	4.14	0.00344	0.00068	2.5	0.45	<0.0002	<0.00005	8.39	0.00325	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025
MP-EFFC	28-Jan-2021	<0.05	0.00225	9.4	0.0141	0.0018	0.00041	<0.0002	1.67	0.00156	0.00057	3	0.346	0.00072	<0.00005	6.53	0.00144	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFFC	29-Aug-2021	<0.05	0.00433	13.6	0.0272	0.0113	0.00058	0.00073	9.54	0.00951	0.00384	3.3	0.455	<0.0002	0.0001	23.9	0.00839	<0.0005	0.000046	<0.0001	<0.005	<0.001	0.000031
MP-EFFC	30-Aug-2021	<0.05	0.00466	13.3	0.0161	0.0103	<0.0004	0.00046	8.88	0.00888	0.00328	3.2	0.465	<0.0002	0.000058	22.7	0.00764	<0.0005	0.000045	<0.0001	<0.005	<0.001	0.000029
MP-EFFC	31-Aug-2021	<0.05	0.00487	13.5	0.0715	0.00907	0.00058	0.00038	8.21	0.00796	0.00293	3.3	0.482	<0.0002	0.000098	21.5	0.00711	<0.0005	0.000047	<0.0001	<0.005	<0.001	0.000029
MP-EFFC	1-Sep-2021	<0.05	0.00514	12	0.0344	0.0146	0.00048	0.00022	12.6	-	0.00307	3.3	0.454	<0.0002	<0.00005	25.6	0.0132	<0.0005	0.000047	<0.0001	<0.005	0.001	0.000028
MP-EFFC	1-Sep-2021	<0.05	0.0052	12.3	0.0366	0.0135	0.00051	0.00023	11.5	-	0.00394	3.2	0.466	<0.0002	0.000109	24.5	0.012	<0.0005	0.00005	<0.0001	<0.005	0.001	0.000038
MP-EFFC	26-Oct-2021	<0.05	0.00324	4.7	0.0556	0.00116	<0.0004	<0.0002	2.91	0.00098	0.00132	<1	0.268	0.00024	<0.00005	7.49	0.00084	<0.0005	0.000033	<0.0001	<0.005	<0.001	0.00003
MP-EFFC	28-Oct-2021	<0.05	0.00313	5.45	0.0291	0.001	<0.0004	<0.0002	2.27	0.00101	0.00095	<1	0.278	<0.0002	<0.00005	6.13	0.00081	<0.0005	0.000028	<0.0001	<0.005	<0.001	0.000025
MP-EFF-DC	1-Jan-2021	<0.05	0.00224	7.36	0.0573	0.00091	0.00059	<0.0002	2.67	0.00101	0.00059	1.5	0.394	<0.0002	<0.00005	6.06	0.00093	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	2-Jan-2021	<0.05	0.00216	5.87	0.066	0.00121	0.00077	0.00026	1.82	0.00114	0.00074	1.3	0.362	<0.0002	<0.00005	4.33	0.001	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	3-Jan-2021	<0.05	0.00246	10.2	0.0817	0.00123	0.00085	<0.0002	2.66	0.00133	0.00057	1.6	0.395	<0.0002	<0.00005	6.49	0.0013	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	4-Jan-2021	<0.05	0.00201	6.91	0.0714	0.00112	0.00074	<0.0002	1.88	0.00123	0.00079	1.4	0.352	<0.0002	<0.00005	4.32	0.00119	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	5-Jan-2021	<0.05	0.00228	9.91	0.0801	0.00105	0.00078	<0.0002	2.34	0.00141	0.00057	1.5	0.375	<0.0002	<0.00005	6.3	0.00135	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	6-Jan-2021	<0.05	0.00234	8.62	0.0936	0.00108	0.00072	<0.0002	2.21	0.00135	0.00068	1.1	0.376	<0.0002	<0.00005	5.8	0.00122	<0.0005	0.000022	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	7-Jan-2021	<0.05	0.00241	10.9	0.112	0.00132	0.00078	<0.0002	2.27	0.00188	0.00058	1.5	0.397	<0.0002	<0.00005	6.34	0.00172	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	8-Jan-2021	<0.05	0.00244	12.8	0.11	0.00154	0.00069	<0.0002	2.95	0.0026	0.0006	1.8	0.421	<0.0002	<0.00005	7.65	0.00262	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	9-Jan-2021	<0.05	0.00247	13.3	0.0884	0.00195	0.00132	<0.0002	3.24	0.00275	<0.0005	1.9	0.426	<0.0002	<0.00005	8.01	0.00259	<0.0005	0.00002	<0.0001	<0.005	<0.001	0.000021
MP-EFF-DC	10-Jan-2021	<0.05	0.00242	12.5	0.0913	0.0016	0.00075	<0.0002	3.36	0.00242	0.0005	1.7	0.413	<0.0002	<0.00005	7.74	0.00218	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021
MP-EFF-DC	11-Jan-2021	<0.05	0.00217	7.99	0.051	0.0016	0.00062	0.00034	2.26	0.00196	0.00072	2	0.382	<0.0002	<0.00005	5.3	0.00166	<0.0005	0.000022	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	12-Jan-2021	-	-	-	-	-	-	0.00039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	13-Jan-2021	-	-	-	-	-	-	0.00185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	14-Jan-2021	-	-	-	-	-	-	0.00185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	15-Jan-2021	-	-	-	-	-	-	0.00033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	15-Jan-2021	<0.05	0.00258	9.71	0.00088	0.00213	0.00926	0.00185	5.07	0.00287	0.00055	1.7	0.348	<0.0002	<0.00005	9.03	0.00269	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	16-Jan-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	17-Jan-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	18-Jan-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	19-Jan-2021	-	-	-	-	-	-	0.00021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	20-Jan-2021	-	-	-	-	-	-	0.00036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	21-Jan-2021	-	-	-	-	-	-	0.00287	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	22-Jan-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	23-Jan-2021	-	-	-	-	-	-	0.00024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	24-Jan-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	25-Jan-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	26-Jan-2021	-	-	-	-	-	-	0.00025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MP-EFF	3-Nov-2021	<0.0002	0.0402	<0.00002	-	-	-	-	-
MP-EFF	10-Nov-2021	<0.001	0.0425	<0.0001	-	-	-	-	-
MP-EFF	13-Nov-2021	<0.0002	0.0277	<0.00002	-	-	-	-	-
MP-EFF	15-Nov-2021	<0.001	0.0527	<0.0001	<0.00001	-	<0.005	-	-
MP-EFF	17-Nov-2021	<0.0002	0.0896	<0.00002	-	-	-	-	-
MP-EFF	24-Nov-2021	<0.001	0.0198	<0.0001	-	-	-	-	-
MP-EFF	24-Nov-2021	<0.001	0.0544	<0.0001	-	-	-	-	3.7
MP-EFF	1-Dec-2021	<0.001	0.057	<0.0001	-	-	-	-	-
MP-EFF	8-Dec-2021	<0.001	0.0222	<0.0001	-	-	-	-	-
MP-EFF	14-Dec-2021	<0.001	0.0693	<0.0001	-	-	-	-	-
MP-EFF	15-Dec-2021	<0.001	0.0846	<0.0001	-	-	-	-	-
MP-EFF	22-Dec-2021	<0.001	0.026	<0.0001	-	-	-	-	-
MP-EFF	29-Dec-2021	<0.001	0.237	<0.0001	-	-	-	-	-
MP-EFFC	19-Jan-2021	<0.001	0.0534	<0.0001	-	-	-	-	-
MP-EFFC	28-Jan-2021	<0.001	0.0448	<0.0001	-	-	-	-	-
MP-EFFC	29-Aug-2021	<0.001	0.031	<0.0001	-	-	-	-	-
MP-EFFC	30-Aug-2021	<0.001	0.0131	<0.0001	-	-	-	-	-
MP-EFFC	31-Aug-2021	<0.001	0.0244	<0.0001	-	-	-	-	-
MP-EFFC	1-Sep-2021	<0.001	0.0729	<0.0001	-	-	-	-	-
MP-EFFC	1-Sep-2021	<0.001	0.0563	<0.0001	-	-	-	-	-
MP-EFFC	26-Oct-2021	<0.001	0.0156	<0.0001	-	-	-	-	-
MP-EFFC	28-Oct-2021	<0.001	0.0732	<0.0001	-	-	-	-	-
MP-EFF-DC	1-Jan-2021	<0.001	0.212	<0.0001	-	-	-	-	-
MP-EFF-DC	2-Jan-2021	<0.001	0.256	<0.0001	-	-	-	-	-
MP-EFF-DC	3-Jan-2021	<0.001	0.237	<0.0001	-	-	-	-	-
MP-EFF-DC	4-Jan-2021	<0.001	0.3	<0.0001	-	-	-	-	-
MP-EFF-DC	5-Jan-2021	<0.001	0.31	<0.0001	-	-	-	-	-
MP-EFF-DC	6-Jan-2021	<0.001	0.353	<0.0001	-	-	-	-	-
MP-EFF-DC	7-Jan-2021	<0.001	0.301	<0.0001	-	-	-	-	-
MP-EFF-DC	8-Jan-2021	<0.001	0.293	<0.0001	-	-	-	-	-
MP-EFF-DC	9-Jan-2021	<0.001	0.276	<0.0001	-	-	-	-	-
MP-EFF-DC	10-Jan-2021	<0.001	0.27	<0.0001	-	-	-	-	-
MP-EFF-DC	11-Jan-2021	<0.001	0.255	<0.0001	-	-	-	-	-
MP-EFF-DC	12-Jan-2021	-	0.258	-	-	-	-	-	-
MP-EFF-DC	13-Jan-2021	-	0.246	-	-	-	-	-	-
MP-EFF-DC	14-Jan-2021	-	0.246	-	-	-	-	-	-
MP-EFF-DC	15-Jan-2021	-	0.21	-	-	-	-	-	-
MP-EFF-DC	15-Jan-2021	<0.001	0.246	<0.0001	-	-	-	-	-
MP-EFF-DC	16-Jan-2021	-	0.0833	-	-	-	-	-	-
MP-EFF-DC	17-Jan-2021	-	0.077	-	-	-	-	-	-
MP-EFF-DC	18-Jan-2021	-	0.06	-	-	-	-	-	-
MP-EFF-DC	19-Jan-2021	-	0.0523	-	-	-	-	-	-
MP-EFF-DC	20-Jan-2021	-	0.0222	-	-	-	-	-	-
MP-EFF-DC	21-Jan-2021	-	0.0335	-	-	-	-	-	-
MP-EFF-DC	22-Jan-2021	-	0.0386	-	-	-	-	-	-
MP-EFF-DC	23-Jan-2021	-	0.0407	-	-	-	-	-	-
MP-EFF-DC	24-Jan-2021	-	0.0467	-	-	-	-	-	-
MP-EFF-DC	25-Jan-2021	-	0.024	-	-	-	-	-	-
MP-EFF-DC	26-Jan-2021	-	0.0563	-	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	27-Jan-2021	8.59	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	28-Jan-2021	8.46	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	29-Jan-2021	8.49	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	30-Jan-2021	8.53	-	-	-	-	-	-	-	-	-
21A2072	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	31-Jan-2021	8.54	-	-	-	-	-	-	-	-	-
21B2270	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	1-Feb-2021	8.52	-	-	-	-	-	-	-	-	-
21B2270	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	2-Feb-2021	8.48	-	-	-	-	-	-	-	-	-
21B2270	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	3-Feb-2021	8.47	-	-	-	-	-	-	-	-	-
21B2270	-	No	Regular	MP-EFF DC (ID E100666)	MP-EFF-DC	4-Feb-2021	8.48	-	-	-	-	-	-	-	-	-
21B2270	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	5-Feb-2021	-	-	324	-	-	-	-	-	-	-
21B2270	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	6-Feb-2021	-	-	329	-	-	-	-	-	-	-
21B2270	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	7-Feb-2021	-	-	327	-	-	-	-	-	-	-
21B2270	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	8-Feb-2021	-	-	324	-	-	-	-	-	-	-
21B2270	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	9-Feb-2021	-	-	328	-	-	-	-	-	-	-
21B2270	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	10-Feb-2021	-	-	314	-	-	-	-	-	-	-
21B2270	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	11-Feb-2021	-	-	308	-	-	-	-	-	-	-
21B2270	8	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	12-Feb-2021	-	-	308	-	-	-	-	-	-	-
21B2270	9	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	13-Feb-2021	-	-	318	-	-	-	-	-	-	-
21B2270	10	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	14-Feb-2021	-	-	330	-	-	-	-	-	-	-
21B2270	11	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	15-Feb-2021	-	-	317	-	-	-	-	-	-	-
21B2270	12	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	16-Feb-2021	-	-	303	-	-	-	-	-	-	-
21B2270	13	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	17-Feb-2021	-	-	303	-	-	-	-	-	-	-
21B2936	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	18-Feb-2021	-	-	268	-	-	-	-	-	-	-
21B2936	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	19-Feb-2021	-	-	278	-	-	-	-	-	-	-
21B2936	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	20-Feb-2021	-	-	255	-	-	-	-	-	-	-
21B2936	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	21-Feb-2021	-	-	295	-	-	-	-	-	-	-
21B2936	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	22-Feb-2021	-	-	267	-	-	-	-	-	-	-
21B2936	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	23-Feb-2021	-	-	279	-	-	-	-	-	-	-
21B2936	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	24-Feb-2021	-	-	280	-	-	-	-	-	-	-
21C1300	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	25-Feb-2021	-	-	258	-	-	-	-	-	-	-
21C1300	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	26-Feb-2021	-	-	262	-	-	-	-	-	-	-
21C1300	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	27-Feb-2021	-	-	251	-	-	-	-	-	-	-
21C1300	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	28-Feb-2021	-	-	281	-	-	-	-	-	-	-
21C1300	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	1-Mar-2021	-	-	243	-	-	-	-	-	-	-
21C1300	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	2-Mar-2021	-	-	273	-	-	-	-	-	-	-
21C1300	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	3-Mar-2021	-	-	298	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	4-Mar-2021	7.82	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	5-Mar-2021	7.89	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	6-Mar-2021	7.84	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	7-Mar-2021	7.87	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	8-Mar-2021	7.81	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	9-Mar-2021	7.82	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	10-Mar-2021	7.8	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	11-Mar-2021	7.52	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	12-Mar-2021	7.55	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	13-Mar-2021	7.46	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	14-Mar-2021	7.48	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	15-Mar-2021	7.51	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	16-Mar-2021	7.55	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MP-EFF-DC	27-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	28-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	29-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	30-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	31-Jan-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	1-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	2-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	4-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.111	115	<0.0005	0.271	0.0215
MP-EFF-DC	6-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.152	116	<0.0005	0.155	0.0204
MP-EFF-DC	7-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.168	113	<0.0005	0.106	0.0254
MP-EFF-DC	8-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.174	111	0.00058	0.084	0.0293
MP-EFF-DC	9-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.19	110	<0.0005	0.071	0.0258
MP-EFF-DC	10-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.214	104	<0.0005	0.0625	0.0239
MP-EFF-DC	11-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.167	104	<0.0005	0.0577	0.0198
MP-EFF-DC	12-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.21	107	<0.0005	0.0566	0.0203
MP-EFF-DC	13-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.175	106	<0.0005	0.0542	0.0203
MP-EFF-DC	14-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.187	111	<0.0005	0.0525	0.0194
MP-EFF-DC	15-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.204	106	<0.0005	0.05	0.0212
MP-EFF-DC	16-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.277	102	<0.0005	0.0525	0.0245
MP-EFF-DC	17-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.232	105	<0.0005	0.0534	0.0237
MP-EFF-DC	18-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.224	104	0.00061	<0.05	0.0234
MP-EFF-DC	19-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.201	108	0.00061	<0.05	0.0253
MP-EFF-DC	20-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.119	91.5	<0.0005	<0.05	0.0271
MP-EFF-DC	21-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.101	97.4	0.00055	<0.05	0.0312
MP-EFF-DC	22-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.244	93.1	0.00061	<0.05	0.0366
MP-EFF-DC	23-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.232	92.7	0.00055	<0.05	0.0284
MP-EFF-DC	24-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.194	104	<0.0005	<0.05	0.0277
MP-EFF-DC	25-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.138	89.4	<0.0005	<0.05	0.0195
MP-EFF-DC	26-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.227	92.9	<0.0005	<0.05	0.0242
MP-EFF-DC	27-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	93.1	<0.0005	<0.05	0.0218
MP-EFF-DC	28-Feb-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.248	98.9	<0.0005	<0.05	0.0254
MP-EFF-DC	1-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.335	96.2	<0.0005	<0.05	0.0231
MP-EFF-DC	2-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.35	108	<0.0005	<0.05	0.0259
MP-EFF-DC	3-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.328	104	<0.0005	<0.05	0.0335
MP-EFF-DC	4-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	6-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	7-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	8-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	9-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	10-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	11-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	12-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	13-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	14-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	15-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	16-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MP-EFF-DC	27-Jan-2021	-	-	-	-	-	-	0.00966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	28-Jan-2021	-	-	-	-	-	-	0.0106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	29-Jan-2021	-	-	-	-	-	-	0.0041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	30-Jan-2021	-	-	-	-	-	-	0.0055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	31-Jan-2021	-	-	-	-	-	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	1-Feb-2021	-	-	-	-	-	-	0.0135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	2-Feb-2021	-	-	-	-	-	-	0.0245	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Feb-2021	-	-	-	-	-	-	0.0152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	4-Feb-2021	-	-	-	-	-	-	0.0358	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Feb-2021	<0.0001	<0.0001	0.000482	113	<0.0005	0.00018	0.00667	<0.01	<0.05	0.00299	11.6	0.0268	0.00236	<0.0004	0.00022	4.2	0.00071	<0.0002	2.3	<0.00005	8.83	0.439
MP-EFF-DC	6-Feb-2021	<0.0001	<0.0001	0.000522	116	<0.0005	0.00018	0.0095	0.015	<0.05	0.00294	12.1	0.0316	0.00225	<0.0004	0.00047	4.38	0.00062	<0.0002	2.6	<0.00005	8.9	0.435
MP-EFF-DC	7-Feb-2021	<0.0001	<0.0001	0.000659	114	<0.0005	0.00022	0.0123	0.025	0.058	0.00289	12.2	0.0434	0.00303	0.00041	0.0015	4.83	0.00064	<0.0002	2.3	<0.00005	8.84	0.427
MP-EFF-DC	8-Feb-2021	<0.0001	<0.0001	0.000773	114	<0.0005	0.00025	0.0174	0.053	<0.05	0.0026	11.4	0.0433	0.005	0.00044	0.00412	5.19	0.00067	<0.0002	2.2	<0.00005	8.83	0.449
MP-EFF-DC	9-Feb-2021	<0.0001	<0.0001	0.000543	110	<0.0005	0.00021	0.0145	0.029	0.054	0.00264	12	0.0372	0.00452	0.00046	0.00177	4.34	0.00055	<0.0002	2.6	<0.00005	8.48	0.421
MP-EFF-DC	10-Feb-2021	<0.0001	<0.0001	0.000502	103	<0.0005	0.00021	0.0133	0.027	<0.05	0.00269	12.2	0.0363	0.00306	0.00049	0.0024	3.1	<0.0005	<0.0002	2.7	<0.00005	7.67	0.386
MP-EFF-DC	11-Feb-2021	<0.0001	<0.0001	0.000452	105	<0.0005	0.00016	0.00642	<0.01	<0.05	0.00275	12.3	0.029	0.00321	<0.0004	0.00034	3.09	<0.0005	<0.0002	2.9	<0.00005	8.34	0.401
MP-EFF-DC	12-Feb-2021	<0.0001	<0.0001	0.000386	103	<0.0005	0.00016	0.0101	0.013	<0.05	0.00275	12.8	0.0308	0.00328	<0.0004	0.00063	3.34	0.00056	<0.0002	2.8	<0.00005	8.31	0.381
MP-EFF-DC	13-Feb-2021	<0.0001	<0.0001	0.000215	110	<0.0005	<0.0001	0.00546	0.012	<0.05	0.00297	11.7	0.0128	0.00234	<0.0004	0.00088	2.8	<0.0005	<0.0002	3	<0.00005	8.7	0.416
MP-EFF-DC	14-Feb-2021	<0.0001	<0.0001	0.000238	111	<0.0005	<0.0001	0.00541	0.013	<0.05	0.00294	11.8	0.0146	0.00209	<0.0004	0.0009	2.34	<0.0005	<0.0002	3	<0.00005	8.3	0.417
MP-EFF-DC	15-Feb-2021	<0.0001	<0.0001	0.00043	107	<0.0005	0.0002	0.0113	0.024	<0.05	0.00275	11.4	0.0342	0.00353	0.00045	0.0019	3.55	<0.0005	<0.0002	2.9	<0.00005	9.11	0.405
MP-EFF-DC	16-Feb-2021	<0.0001	<0.0001	0.000648	101	<0.0005	0.00035	0.0203	0.046	<0.05	0.00267	11.2	0.0619	0.00582	0.00079	0.00281	4.84	0.00057	<0.0002	2.6	<0.00005	9.38	0.395
MP-EFF-DC	17-Feb-2021	<0.0001	<0.0001	0.000576	104	<0.0005	0.00036	0.018	0.035	<0.05	0.00258	11.9	0.0814	0.00738	0.00096	0.00174	5.51	0.00079	<0.0002	2.9	<0.00005	9.75	0.422
MP-EFF-DC	18-Feb-2021	<0.0001	<0.0001	0.000506	98.4	<0.0005	0.00032	0.0193	0.066	<0.05	0.00248	11.6	0.0615	0.00773	0.00077	0.00222	5.49	0.00113	<0.0002	2.3	<0.00005	9.2	0.425
MP-EFF-DC	19-Feb-2021	<0.0001	<0.0001	0.000555	98.1	<0.0005	0.0004	0.0191	0.074	<0.05	0.00246	12.2	0.0748	0.00781	0.00083	0.00183	5.36	0.00114	<0.0002	2.5	<0.00005	9.57	0.412
MP-EFF-DC	20-Feb-2021	<0.0001	<0.0001	0.000282	105	<0.0005	0.00027	0.0105	0.047	<0.05	0.00278	9.53	0.0469	0.0052	0.0006	0.00157	4.05	0.00106	<0.0002	3.2	<0.00005	9.63	0.381
MP-EFF-DC	21-Feb-2021	<0.0001	<0.0001	0.000516	104	<0.0005	0.00031	0.0114	0.096	<0.05	0.00282	7.92	0.0506	0.00358	0.0006	0.0027	2.95	0.00078	<0.0002	2.5	<0.00005	9.8	0.428
MP-EFF-DC	22-Feb-2021	<0.0001	<0.0001	0.000654	93.6	<0.0005	0.00032	0.0189	0.185	<0.05	0.00248	9.15	0.051	0.00265	0.00068	0.00432	2.82	0.00055	<0.0002	2.2	<0.00005	8.78	0.392
MP-EFF-DC	23-Feb-2021	<0.0001	<0.0001	0.000469	84.9	<0.0005	0.00025	0.0152	0.123	<0.05	0.00244	10.1	0.038	0.00164	0.00048	0.00305	2.11	<0.0005	<0.0002	1.9	<0.00005	7.95	0.375
MP-EFF-DC	24-Feb-2021	<0.0001	<0.0001	0.000427	98.2	<0.0005	0.00021	0.0131	0.096	<0.05	0.0028	11.2	0.0367	0.00124	0.00049	0.00341	1.87	<0.0005	<0.0002	2.4	<0.00005	8.21	0.418
MP-EFF-DC	25-Feb-2021	<0.0001	<0.0001	0.000317	87.8	<0.0005	0.00012	0.00495	0.029	<0.05	0.00281	10.9	0.0261	0.00106	<0.0004	0.00092	1.49	<0.0005	<0.0002	2.4	<0.00005	7.72	0.379
MP-EFF-DC	26-Feb-2021	<0.0001	<0.0001	0.000412	91.3	<0.0005	0.0002	0.0102	0.096	<0.05	0.0029	11.1	0.0368	0.00118	0.0004	0.00346	1.48	<0.0005	<0.0002	2.5	<0.00005	7.9	0.395
MP-EFF-DC	27-Feb-2021	<0.0001	<0.0001	0.000291	95.5	<0.0005	0.00013	0.0072	0.057	<0.05	0.00275	9.45	0.0248	0.00107	<0.0004	0.0021	1.35	<0.0005	<0.0002	2.5	<0.00005	7.18	0.392
MP-EFF-DC	28-Feb-2021	<0.0001	<0.0001	0.000339	91.6	<0.0005	0.00018	0.0129	0.076	<0.05	0.00287	11	0.0348	0.00097	0.00053	0.00282	1.38	<0.0005	<0.0002	2.6	<0.00005	7.43	0.379
MP-EFF-DC	1-Mar-2021	<0.0001	<0.0001	0.000449	97.5	<0.0005	0.00028	0.0209	0.148	<0.05	0.0029	10.8	0.0406	0.00095	0.00064	0.004	1.49	<0.0005	<0.0002	2	<0.00005	7.61	0.392
MP-EFF-DC	2-Mar-2021	<0.0001	<0.0001	0.000515	109	<0.0005	0.00033	0.024	0.156	<0.05	0.00303	8.08	0.0467	0.00136	0.0006	0.00357	2.43	<0.0005	<0.0002	2.4	<0.00005	7.85	0.429
MP-EFF-DC	3-Mar-2021	<0.0001	<0.0001	0.000529	114	<0.0005	0.00034	0.0263	0.169	0.068	0.00326	8.05	0.0516	0.00199	0.00065	0.00485	3.74	<0.0005	<0.0002	2.8	<0.00005	8.38	0.445
MP-EFF-DC	4-Mar-2021	-	-	-	-	-	-	0.00931	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Mar-2021	-	-	-	-	-	-	0.0153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	6-Mar-2021	-	-	-	-	-	-	0.00962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	7-Mar-2021	-	-	-	-	-	-	0.0093	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	8-Mar-2021	-	-	-	-	-	-	0.0165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	9-Mar-2021	-	-	-	-	-	-	0.019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	10-Mar-2021	-	-	-	-	-	-	0.0148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	11-Mar-2021	-	-	-	-	-	-	0.00553	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	12-Mar-2021	-	-	-	-	-	-	0.0121	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	13-Mar-2021	-	-	-	-	-	-	0.00399	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	14-Mar-2021	-	-	-	-	-	-	0.00377	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	15-Mar-2021	-	-	-	-	-	-	0.00535	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	16-Mar-2021	-	-	-	-	-	-	0.0127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MP-EFF-DC	27-Jan-2021	-	-	-	-	-	-	-	0.11	-	-	-	-	-	-	-	-	-	0.000291	-	-	-	0.00163	-
MP-EFF-DC	28-Jan-2021	-	-	-	-	-	-	-	0.101	-	-	-	-	-	-	-	-	-	0.000244	-	-	-	0.00235	-
MP-EFF-DC	29-Jan-2021	-	-	-	-	-	-	-	0.0473	-	-	-	-	-	-	-	-	-	0.000232	-	-	-	0.00219	-
MP-EFF-DC	30-Jan-2021	-	-	-	-	-	-	-	0.0679	-	-	-	-	-	-	-	-	-	0.000311	-	-	-	0.00252	-
MP-EFF-DC	31-Jan-2021	-	-	-	-	-	-	-	0.135	-	-	-	-	-	-	-	-	-	0.000683	-	-	-	0.00246	-
MP-EFF-DC	1-Feb-2021	-	-	-	-	-	-	-	0.159	-	-	-	-	-	-	-	-	-	0.00063	-	-	-	0.00461	-
MP-EFF-DC	2-Feb-2021	-	-	-	-	-	-	-	0.239	-	-	-	-	-	-	-	-	-	0.000469	-	-	-	0.00371	-
MP-EFF-DC	3-Feb-2021	-	-	-	-	-	-	-	0.129	-	-	-	-	-	-	-	-	-	0.00025	-	-	-	0.00374	-
MP-EFF-DC	4-Feb-2021	-	-	-	-	-	-	-	0.286	-	-	-	-	-	-	-	-	-	0.000413	-	-	-	0.00596	-
MP-EFF-DC	5-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0015	0.0753	<0.0001	-	0.0735	110	<0.0005	<0.05	<0.0001	<0.0001	0.0229	0.000527	111	<0.0005	0.00016	0.00696	<0.01
MP-EFF-DC	6-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	0.0014	0.0914	<0.0001	-	0.0846	111	<0.0005	<0.05	<0.0001	<0.0001	0.0217	0.000463	113	<0.0005	0.00015	0.00985	<0.01
MP-EFF-DC	7-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	0.0015	0.125	<0.0001	-	0.0967	108	<0.0005	<0.05	<0.0001	<0.0001	0.0248	0.000518	111	<0.0005	0.00015	0.0058	<0.01
MP-EFF-DC	8-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	0.0016	0.148	<0.0001	-	0.0859	112	<0.0005	<0.05	<0.0001	<0.0001	0.0179	0.000575	111	<0.0005	<0.0001	0.00433	<0.01
MP-EFF-DC	9-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0016	0.13	<0.0001	-	0.109	111	<0.0005	<0.05	<0.0001	<0.0001	0.0201	0.000458	112	<0.0005	0.00011	0.00557	<0.01
MP-EFF-DC	10-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0016	0.124	<0.0001	-	0.124	104	<0.0005	<0.05	<0.0001	<0.0001	0.0385	0.00039	105	<0.0005	0.00011	0.00499	0.012
MP-EFF-DC	11-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0016	0.0972	<0.0001	-	0.141	102	<0.0005	<0.05	<0.0001	<0.0001	0.0377	0.000433	103	<0.0005	0.00014	0.00507	<0.01
MP-EFF-DC	12-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0015	0.097	<0.0001	-	0.152	104	<0.0005	<0.05	<0.0001	<0.0001	0.0388	0.000352	103	<0.0005	0.00014	0.0052	<0.01
MP-EFF-DC	13-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0017	0.0387	<0.0001	-	0.142	104	<0.0005	<0.05	<0.0001	<0.0001	0.0172	0.000202	109	<0.0005	<0.0001	0.00296	<0.01
MP-EFF-DC	14-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00003	0.0016	0.0468	<0.0001	-	0.15	110	<0.0005	<0.05	<0.0001	<0.0001	0.0163	0.000193	112	<0.0005	<0.0001	0.00192	<0.01
MP-EFF-DC	15-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0016	0.115	<0.0001	-	0.124	104	<0.0005	<0.05	<0.0001	<0.0001	0.0243	0.000341	108	<0.0005	<0.0001	0.00309	<0.01
MP-EFF-DC	16-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0017	0.187	<0.0001	-	0.0792	102	<0.0005	<0.05	<0.0001	<0.0001	0.0194	0.000501	103	<0.0005	0.00017	0.00467	<0.01
MP-EFF-DC	17-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	0.0015	0.166	<0.0001	-	0.12	104	<0.0005	<0.05	<0.0001	<0.0001	0.0415	0.00047	102	<0.0005	0.00022	0.00669	<0.01
MP-EFF-DC	18-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026	0.0015	0.145	<0.0001	-	0.112	88.6	<0.0005	<0.05	<0.0001	<0.0001	0.0165	0.000351	88.2	<0.0005	0.00015	0.00709	<0.01
MP-EFF-DC	19-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	0.002	0.158	<0.0001	-	0.0995	91.2	<0.0005	<0.05	<0.0001	<0.0001	0.0169	0.000444	92	<0.0005	0.00026	0.00793	<0.01
MP-EFF-DC	20-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0891	<0.0001	-	0.0568	82.7	<0.0005	<0.05	<0.0001	<0.0001	0.0206	0.000187	87.7	<0.0005	0.00014	0.00457	<0.01
MP-EFF-DC	21-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0014	0.138	<0.0001	-	0.0209	94.9	<0.0005	<0.05	<0.0001	<0.0001	0.0254	0.000424	104	<0.0005	0.00021	0.00398	<0.01
MP-EFF-DC	22-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0015	0.163	<0.0001	-	0.047	90.7	<0.0005	<0.05	<0.0001	<0.0001	0.0207	0.000466	91.4	<0.0005	0.00015	0.00386	<0.01
MP-EFF-DC	23-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0016	0.121	<0.0001	-	0.0897	95.5	<0.0005	<0.05	<0.0001	<0.0001	0.0204	0.000354	92.9	<0.0005	<0.0001	0.00417	<0.01
MP-EFF-DC	24-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0016	0.113	<0.0001	-	0.0811	93.3	<0.0005	<0.05	<0.0001	<0.0001	0.017	0.00027	92.7	<0.0005	<0.0001	0.00234	<0.01
MP-EFF-DC	25-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0594	<0.0001	-	0.0847	84.7	<0.0005	<0.05	<0.0001	<0.0001	0.0186	0.000314	86.2	<0.0005	<0.0001	0.00264	<0.01
MP-EFF-DC	26-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	<0.001	0.0971	<0.0001	-	0.112	88.5	<0.0005	<0.05	<0.0001	<0.0001	0.0164	0.000278	87.8	<0.0005	<0.0001	0.00169	<0.01
MP-EFF-DC	27-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0612	<0.0001	-	0.0909	85.4	<0.0005	<0.05	<0.0001	<0.0001	0.0168	0.000184	86.4	<0.0005	<0.0001	0.00251	<0.01
MP-EFF-DC	28-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0884	<0.0001	-	0.129	96.1	<0.0005	<0.05	<0.0001	<0.0001	0.0187	0.000239	93.6	<0.0005	<0.0001	0.00443	<0.01
MP-EFF-DC	1-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	<0.001	0.15	<0.0001	-	0.103	83.6	<0.0005	<0.05	<0.0001	<0.0001	0.0173	0.000272	82.3	<0.0005	<0.0001	0.00416	<0.01
MP-EFF-DC	2-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.173	<0.0001	-	0.112	90.2	<0.0005	<0.05	<0.0001	<0.0001	0.0177	0.000295	97.4	<0.0005	<0.0001	0.00449	<0.01
MP-EFF-DC	3-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.185	<0.0001	-	0.127	103	<0.0005	<0.05	<0.0001	<0.0001	0.0213	0.000269	106	<0.0005	<0.0001	0.00595	<0.01
MP-EFF-DC	4-Mar-2021	-	-	-	-	-	-	-	0.058	-	-	-	-	-	-	-	-	-	0.000331	-	-	-	0.00453	-
MP-EFF-DC	5-Mar-2021	-	-	-	-	-	-	-	0.141	-	-	-	-	-	-	-	-	-	0.000683	-	-	-	0.00312	-
MP-EFF-DC	6-Mar-2021	-	-	-	-	-	-	-	0.0627	-	-	-	-	-	-	-	-	-	0.000353	-	-	-	0.00273	-
MP-EFF-DC	7-Mar-2021	-	-	-	-	-	-	-	0.0576	-	-	-	-	-	-	-	-	-	0.000292	-	-	-	0.00299	-
MP-EFF-DC	8-Mar-2021	-	-	-	-	-	-	-	0.113	-	-	-	-	-	-	-	-	-	0.000296	-	-	-	0.00284	-
MP-EFF-DC	9-Mar-2021	-	-	-	-	-	-	-	0.174	-	-	-	-	-	-	-	-	-	0.000284	-	-	-	0.0034	-
MP-EFF-DC	10-Mar-2021	-	-	-	-	-	-	-	0.126	-	-	-	-	-	-	-	-	-	0.000257	-	-	-	0.00293	-
MP-EFF-DC	11-Mar-2021	-	-	-	-	-	-	-	0.0499	-	-	-	-	-	-	-	-	-	0.000369	-	-	-	0.00332	-
MP-EFF-DC	12-Mar-2021	-	-	-	-	-	-	-	0.0915	-	-	-	-	-	-	-	-	-	0.00022	-	-	-	0.0029	-
MP-EFF-DC	13-Mar-2021	-	-	-	-	-	-	-	0.0384	-	-	-	-	-	-	-	-	-	0.000253	-	-	-	0.00244	-
MP-EFF-DC	14-Mar-2021	-	-	-	-	-	-	-	0.0365	-	-	-	-	-	-	-	-	-	0.000239	-	-	-	0.00206	-
MP-EFF-DC	15-Mar-2021	-	-	-	-	-	-	-	0.0591	-	-	-	-	-	-	-	-	-	0.000303	-	-	-	0.002	-
MP-EFF-DC	16-Mar-2021	-	-	-	-	-	-	-	0.121	-	-	-	-	-	-	-	-	-	0.000405	-	-	-	0.00272	-

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MP-EFF-DC	27-Jan-2021	-	-	-	-	-	-	0.00028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	28-Jan-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	29-Jan-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	30-Jan-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	31-Jan-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	1-Feb-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	2-Feb-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Feb-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	4-Feb-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Feb-2021	<0.05	0.00271	11.1	0.0273	0.00228	0.00161	0.00055	4	0.0011	0.00072	2.2	0.415	<0.0002	<0.00005	8.5	0.00103	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022
MP-EFF-DC	6-Feb-2021	<0.05	0.00262	11.5	0.0242	0.00216	0.00138	0.00054	4.24	0.00102	0.00071	2.3	0.41	<0.0002	<0.00005	8.59	0.00105	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021
MP-EFF-DC	7-Feb-2021	<0.05	0.00267	11.9	0.0314	0.00329	0.00102	0.00046	4.74	0.00144	0.0007	2.2	0.417	<0.0002	<0.00005	8.74	0.00137	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026
MP-EFF-DC	8-Feb-2021	<0.05	0.00239	11	0.0235	0.00474	0.00042	0.00037	5.1	0.00198	0.0007	2	0.422	<0.0002	<0.00005	8.74	0.00189	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002
MP-EFF-DC	9-Feb-2021	<0.05	0.00255	11.8	0.0222	0.00439	0.00044	0.00062	4.38	0.00182	0.00065	2.4	0.411	<0.0002	<0.00005	8.63	0.00186	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	10-Feb-2021	<0.05	0.00261	12.7	0.0213	0.00312	0.00117	0.00243	3.27	0.00127	0.00054	2.8	0.402	<0.0002	<0.00005	7.99	0.00139	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	11-Feb-2021	<0.05	0.00268	11.9	0.0257	0.00294	0.00191	0.00094	3.02	0.0019	0.00059	2.9	0.388	<0.0002	<0.00005	8	0.00185	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	12-Feb-2021	<0.05	0.00261	12.5	0.0208	0.00315	0.00128	0.00079	3.3	0.00244	0.00059	2.6	0.374	0.00028	<0.00005	8.22	0.00235	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	13-Feb-2021	<0.05	0.00275	11.2	0.00802	0.00219	<0.0004	0.00034	2.69	0.00171	0.00057	2.7	0.397	<0.0002	<0.00005	8.25	0.00161	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	14-Feb-2021	<0.05	0.00285	12	0.00824	0.00204	<0.0004	<0.0002	2.37	0.00124	<0.0005	2.9	0.423	<0.0002	<0.00005	8.51	0.00118	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	15-Feb-2021	<0.05	0.00271	11.2	0.0172	0.00356	<0.0004	0.00038	3.47	0.00238	<0.0005	2.7	0.404	<0.0002	<0.00005	8.91	0.00235	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	16-Feb-2021	<0.05	0.00255	11.3	0.036	0.00581	0.00051	0.00028	4.91	0.00376	0.00054	2.6	0.403	0.00022	<0.00005	9.62	0.00369	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	17-Feb-2021	<0.05	0.0024	11.6	0.0617	0.00715	0.00074	0.00024	5.39	0.00417	0.00078	2.5	0.419	<0.0002	<0.00005	9.55	0.00436	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	18-Feb-2021	<0.05	0.00249	11.4	0.036	0.00697	0.00075	0.00028	5.36	0.00437	0.00087	2.6	0.349	<0.0002	<0.00005	8.83	0.00356	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021
MP-EFF-DC	19-Feb-2021	<0.05	0.00243	11.8	0.0506	0.00714	0.00073	<0.0002	5.27	0.00369	0.00133	2.5	0.349	<0.0002	<0.00005	9.04	0.00322	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022
MP-EFF-DC	20-Feb-2021	<0.05	0.0025	8.58	0.0247	0.00454	0.00061	0.00024	3.71	0.00244	0.00074	2.8	0.327	<0.0002	<0.00005	8.67	0.00206	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	21-Feb-2021	<0.05	0.00302	8.59	0.0367	0.00357	0.00057	0.00023	3.36	0.00191	0.00071	2.6	0.386	<0.0002	<0.00005	10.5	0.00167	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	22-Feb-2021	<0.05	0.0026	9.43	0.0262	0.0025	0.00048	<0.0002	3.04	0.00158	0.00054	2.4	0.35	<0.0002	<0.00005	9.24	0.00133	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	23-Feb-2021	<0.05	0.00294	11.5	0.0163	0.0016	0.00052	0.00027	2.49	0.00127	0.0005	2.7	0.358	<0.0002	<0.00005	8.9	0.00096	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	24-Feb-2021	<0.05	0.00297	11.7	0.0135	0.00123	0.00042	0.00022	2.04	0.00091	<0.0005	3.1	0.36	<0.0002	<0.00005	8.25	0.00076	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	25-Feb-2021	<0.05	0.00265	10.2	0.0205	0.00103	0.00062	0.0002	1.49	0.00077	<0.0005	2.1	0.369	<0.0002	<0.00005	7.28	0.00075	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	26-Feb-2021	<0.05	0.00265	10.3	0.0201	0.00095	<0.0004	<0.0002	1.39	0.00085	<0.0005	2	0.379	<0.0002	<0.00005	7.38	0.00069	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	27-Feb-2021	<0.05	0.00247	8.48	0.0139	0.00093	0.00041	0.00026	1.24	0.00072	<0.0005	2.1	0.351	<0.0002	<0.00005	6.49	0.00049	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	28-Feb-2021	<0.05	0.0029	11.3	0.0198	0.00098	0.00052	0.00032	1.4	0.00057	0.00052	2.7	0.392	<0.0002	<0.00005	7.69	0.00061	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	1-Mar-2021	<0.05	0.0026	9.07	0.0133	0.00084	0.00049	0.00036	1.27	0.00066	<0.0005	1.9	0.335	<0.0002	<0.00005	6.52	0.00047	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	2-Mar-2021	<0.05	0.00285	7.06	0.012	0.00124	0.00041	0.00033	2.13	0.0015	<0.0005	1.9	0.392	<0.0002	<0.00005	6.89	0.00099	<0.0005	0.000043	<0.0001	<0.005	<0.001	0.000072
MP-EFF-DC	3-Mar-2021	<0.05	0.00301	7.67	0.0142	0.00197	0.00049	0.0004	3.65	0.00218	0.00063	2.3	0.429	0.00033	<0.00005	8.12	0.00199	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	4-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	6-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	7-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	8-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	9-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	10-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	11-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	12-Mar-2021	-	-	-	-	-	-	0.00023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	13-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	14-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	15-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	16-Mar-2021	-	-	-	-	-	-	0.00037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MP-EFF-DC	27-Jan-2021	-	0.0485	-	-	-	-	-	-
MP-EFF-DC	28-Jan-2021	-	0.0445	-	-	-	-	-	-
MP-EFF-DC	29-Jan-2021	-	0.0382	-	-	-	-	-	-
MP-EFF-DC	30-Jan-2021	-	0.0493	-	-	-	-	-	-
MP-EFF-DC	31-Jan-2021	-	0.119	-	-	-	-	-	-
MP-EFF-DC	1-Feb-2021	-	0.109	-	-	-	-	-	-
MP-EFF-DC	2-Feb-2021	-	0.0689	-	-	-	-	-	-
MP-EFF-DC	3-Feb-2021	-	0.0311	-	-	-	-	-	-
MP-EFF-DC	4-Feb-2021	-	0.0574	-	-	-	-	-	-
MP-EFF-DC	5-Feb-2021	<0.001	0.0694	<0.0001	-	-	-	-	-
MP-EFF-DC	6-Feb-2021	<0.001	0.0633	<0.0001	-	-	-	-	-
MP-EFF-DC	7-Feb-2021	<0.001	0.0728	<0.0001	-	-	-	-	-
MP-EFF-DC	8-Feb-2021	<0.001	0.0498	<0.0001	-	-	-	-	-
MP-EFF-DC	9-Feb-2021	<0.001	0.0611	<0.0001	-	-	-	-	-
MP-EFF-DC	10-Feb-2021	<0.001	0.0623	<0.0001	-	-	-	-	-
MP-EFF-DC	11-Feb-2021	<0.001	0.0924	<0.0001	-	-	-	-	-
MP-EFF-DC	12-Feb-2021	<0.001	0.0649	<0.0001	-	-	-	-	-
MP-EFF-DC	13-Feb-2021	<0.001	0.0229	<0.0001	-	-	-	-	-
MP-EFF-DC	14-Feb-2021	<0.001	0.0236	<0.0001	-	-	-	-	-
MP-EFF-DC	15-Feb-2021	<0.001	0.0606	<0.0001	-	-	-	-	-
MP-EFF-DC	16-Feb-2021	<0.001	0.108	<0.0001	-	-	-	-	-
MP-EFF-DC	17-Feb-2021	<0.001	0.1	<0.0001	-	-	-	-	-
MP-EFF-DC	18-Feb-2021	<0.001	0.0772	<0.0001	-	-	-	-	-
MP-EFF-DC	19-Feb-2021	<0.001	0.0976	<0.0001	-	-	-	-	-
MP-EFF-DC	20-Feb-2021	<0.001	0.0319	<0.0001	-	-	-	-	-
MP-EFF-DC	21-Feb-2021	<0.001	0.105	<0.0001	-	-	-	-	-
MP-EFF-DC	22-Feb-2021	<0.001	0.0941	<0.0001	-	-	-	-	-
MP-EFF-DC	23-Feb-2021	<0.001	0.0644	<0.0001	-	-	-	-	-
MP-EFF-DC	24-Feb-2021	<0.001	0.0502	<0.0001	-	-	-	-	-
MP-EFF-DC	25-Feb-2021	<0.001	0.0478	<0.0001	-	-	-	-	-
MP-EFF-DC	26-Feb-2021	<0.001	0.0388	<0.0001	-	-	-	-	-
MP-EFF-DC	27-Feb-2021	<0.001	0.0267	<0.0001	-	-	-	-	-
MP-EFF-DC	28-Feb-2021	<0.001	0.0386	<0.0001	-	-	-	-	-
MP-EFF-DC	1-Mar-2021	<0.001	0.0287	<0.0001	-	-	-	-	-
MP-EFF-DC	2-Mar-2021	<0.001	0.0264	<0.0001	-	-	-	-	-
MP-EFF-DC	3-Mar-2021	<0.001	0.0297	<0.0001	-	-	-	-	-
MP-EFF-DC	4-Mar-2021	-	0.0338	-	-	-	-	-	-
MP-EFF-DC	5-Mar-2021	-	0.071	-	-	-	-	-	-
MP-EFF-DC	6-Mar-2021	-	0.0297	-	-	-	-	-	-
MP-EFF-DC	7-Mar-2021	-	0.0255	-	-	-	-	-	-
MP-EFF-DC	8-Mar-2021	-	0.0259	-	-	-	-	-	-
MP-EFF-DC	9-Mar-2021	-	0.0343	-	-	-	-	-	-
MP-EFF-DC	10-Mar-2021	-	0.0297	-	-	-	-	-	-
MP-EFF-DC	11-Mar-2021	-	0.0362	-	-	-	-	-	-
MP-EFF-DC	12-Mar-2021	-	0.0258	-	-	-	-	-	-
MP-EFF-DC	13-Mar-2021	-	0.0299	-	-	-	-	-	-
MP-EFF-DC	14-Mar-2021	-	0.0233	-	-	-	-	-	-
MP-EFF-DC	15-Mar-2021	-	0.0371	-	-	-	-	-	-
MP-EFF-DC	16-Mar-2021	-	0.0567	-	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	17-Mar-2021	7.57	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	18-Mar-2021	6.77	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	19-Mar-2021	6.81	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	20-Mar-2021	6.86	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	21-Mar-2021	6.94	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	22-Mar-2021	7.01	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	23-Mar-2021	7.11	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	24-Mar-2021	7.1	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	25-Mar-2021	7.19	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	26-Mar-2021	7.2	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	27-Mar-2021	7.3	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	28-Mar-2021	7.36	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	29-Mar-2021	7.43	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	30-Mar-2021	7.48	-	-	-	-	-	-	-	-	-
21C1300	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	31-Mar-2021	6.85	-	-	-	-	-	-	-	-	-
21D1945	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	1-Apr-2021	6.92	-	-	-	-	-	-	-	-	-
21D1945	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	2-Apr-2021	7.02	-	-	-	-	-	-	-	-	-
21D1945	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	3-Apr-2021	7.1	-	-	-	-	-	-	-	-	-
21D1945	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	4-Apr-2021	7.17	-	-	-	-	-	-	-	-	-
21D1945	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	5-Apr-2021	7.29	-	-	-	-	-	-	-	-	-
21D1945	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	6-Apr-2021	-	-	342	-	-	-	-	-	-	-
21D1945	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	7-Apr-2021	-	-	359	-	-	-	-	-	-	-
21D1945	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	8-Apr-2021	-	-	367	-	-	-	-	-	-	-
21D1945	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	9-Apr-2021	-	-	367	-	-	-	-	-	-	-
21D1945	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	10-Apr-2021	-	-	366	-	-	-	-	-	-	-
21D1945	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	11-Apr-2021	-	-	355	-	-	-	-	-	-	-
21D1945	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	12-Apr-2021	-	-	347	-	-	-	-	-	-	-
21D2613	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	13-Apr-2021	-	-	336	-	-	-	-	-	-	-
21D2613	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	14-Apr-2021	-	-	336	-	-	-	-	-	-	-
21D2613	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	15-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D2613	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	16-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D2613	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	17-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D2613	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	18-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D2613	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	19-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D2613	8	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	20-Apr-2021	-	-	-	-	-	-	-	-	-	-
21D2613	9	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	21-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0548	1	No	Regular	MP-EFF DC (EMS ID E100666)	MP-EFF-DC	22-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0548	2	No	Regular	MP-EFF DC (EMS ID E100666)	MP-EFF-DC	23-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0548	3	No	Regular	MP-EFF DC (EMS ID E100666)	MP-EFF-DC	24-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0548	4	No	Regular	MP-EFF DC (EMS ID E100666)	MP-EFF-DC	25-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0548	5	No	Regular	MP-EFF DC (EMS ID E100666)	MP-EFF-DC	26-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0548	6	No	Regular	MP-EFF DC (EMS ID E100666)	MP-EFF-DC	27-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0548	7	No	Regular	MP-EFF DC (EMS ID E100666)	MP-EFF-DC	28-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0548	8	No	Regular	MP-EFF DC (EMS ID E100666)	MP-EFF-DC	29-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0548	9	No	Regular	MP-EFF DC (EMS ID E100666)	MP-EFF-DC	30-Apr-2021	-	-	-	-	-	-	-	-	-	-
21E0548	10	No	Regular	MP-EFF DC (EMS ID E100666)	MP-EFF-DC	1-May-2021	-	-	-	-	-	-	-	-	-	-
21E0548	11	No	Regular	MP-EFF DC (EMS ID E100666)	MP-EFF-DC	2-May-2021	-	-	-	-	-	-	-	-	-	-
21E0548	12	No	Regular	MP-EFF DC (EMS ID E100666)	MP-EFF-DC	3-May-2021	-	-	-	-	-	-	-	-	-	-
21E2377	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	4-May-2021	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MP-EFF-DC	17-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	18-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	19-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	20-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	21-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	22-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	23-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	24-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	25-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	26-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	27-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	28-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	29-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	30-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	31-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	1-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	2-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	4-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	6-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.12	121	<0.0005	<0.05	0.0243
MP-EFF-DC	7-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.147	119	<0.0005	0.0524	0.0235
MP-EFF-DC	8-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.109	131	<0.0005	0.0531	0.0225
MP-EFF-DC	9-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.141	134	<0.0005	0.0501	0.0262
MP-EFF-DC	10-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.157	134	<0.0005	0.0511	0.0247
MP-EFF-DC	11-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	131	<0.0005	0.0537	0.0245
MP-EFF-DC	12-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.197	123	<0.0005	0.0555	0.0267
MP-EFF-DC	13-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.108	121	0.00052	0.0507	0.0267
MP-EFF-DC	14-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	122	<0.0005	0.0526	0.0276
MP-EFF-DC	15-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0909	125	0.00051	<0.05	0.0266
MP-EFF-DC	16-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0808	120	<0.0005	<0.05	0.026
MP-EFF-DC	17-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	125	<0.0005	<0.05	0.0237
MP-EFF-DC	18-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.169	119	<0.0005	<0.05	0.0245
MP-EFF-DC	19-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.173	108	<0.0005	<0.05	0.0256
MP-EFF-DC	20-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.164	104	<0.0005	<0.05	0.0268
MP-EFF-DC	21-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.23	106	0.00053	<0.05	0.0261
MP-EFF-DC	22-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.133	101	0.00052	<0.05	0.0242
MP-EFF-DC	23-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.172	100	0.00054	<0.05	0.0259
MP-EFF-DC	24-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.181	110	0.00062	<0.05	0.0275
MP-EFF-DC	25-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.178	114	0.00071	<0.05	0.0268
MP-EFF-DC	26-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.21	115	0.0006	<0.05	0.0252
MP-EFF-DC	27-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.234	112	0.00064	<0.05	0.024
MP-EFF-DC	28-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.231	113	0.00061	0.0552	0.0235
MP-EFF-DC	29-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.216	123	0.00068	0.0584	0.0245
MP-EFF-DC	30-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.228	117	0.00053	0.0553	0.0248
MP-EFF-DC	1-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.219	117	<0.0005	0.053	0.024
MP-EFF-DC	2-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.203	112	<0.0005	<0.05	0.024
MP-EFF-DC	3-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.229	114	0.0006	0.0503	0.0269
MP-EFF-DC	4-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	106	0.00061	0.0624	0.0268

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MP-EFF-DC	17-Mar-2021	-	-	-	-	-	-	0.0104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	18-Mar-2021	-	-	-	-	-	-	0.004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	19-Mar-2021	-	-	-	-	-	-	0.00446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	20-Mar-2021	-	-	-	-	-	-	0.00586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	21-Mar-2021	-	-	-	-	-	-	0.00919	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	22-Mar-2021	-	-	-	-	-	-	0.0124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	23-Mar-2021	-	-	-	-	-	-	0.0148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	24-Mar-2021	-	-	-	-	-	-	0.0127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	25-Mar-2021	-	-	-	-	-	-	0.0136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	26-Mar-2021	-	-	-	-	-	-	0.0151	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	27-Mar-2021	-	-	-	-	-	-	0.0156	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	28-Mar-2021	-	-	-	-	-	-	0.0185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	29-Mar-2021	-	-	-	-	-	-	0.017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	30-Mar-2021	-	-	-	-	-	-	0.0198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	31-Mar-2021	-	-	-	-	-	-	0.00868	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	1-Apr-2021	-	-	-	-	-	-	0.00789	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	2-Apr-2021	-	-	-	-	-	-	0.00937	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Apr-2021	-	-	-	-	-	-	0.0132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	4-Apr-2021	-	-	-	-	-	-	0.0136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Apr-2021	-	-	-	-	-	-	0.0178	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	6-Apr-2021	<0.0001	<0.0001	0.000308	123	<0.0005	<0.0001	0.00852	0.014	<0.05	0.00357	11	0.0217	0.00845	<0.0004	0.00064	7.47	0.00116	<0.0002	3	<0.00005	11.6	0.46
MP-EFF-DC	7-Apr-2021	<0.0001	<0.0001	0.000296	125	<0.0005	0.0001	0.00824	0.016	<0.05	0.00346	11.2	0.023	0.00878	<0.0004	0.00087	7.9	0.00122	<0.0002	2.9	<0.00005	11.7	0.463
MP-EFF-DC	8-Apr-2021	<0.0001	<0.0001	0.000261	128	<0.0005	0.00011	0.00774	0.016	<0.05	0.00408	14	0.0373	0.00762	0.00517	0.00075	7.07	0.00114	<0.0002	3.1	<0.00005	11.9	0.486
MP-EFF-DC	9-Apr-2021	<0.0001	<0.0001	0.000285	127	<0.0005	0.00015	0.00766	0.031	<0.05	0.00387	15.8	0.0601	0.00643	0.00048	0.00151	6.32	0.00094	<0.0002	3.1	<0.00005	11.8	0.478
MP-EFF-DC	10-Apr-2021	<0.0001	<0.0001	0.000258	127	<0.0005	0.00013	0.0065	0.029	<0.05	0.00413	16	0.0443	0.00577	0.00044	0.0015	5.9	0.001	<0.0002	2.9	<0.00005	12.6	0.497
MP-EFF-DC	11-Apr-2021	<0.0001	<0.0001	0.000261	124	<0.0005	0.00014	0.00771	0.026	<0.05	0.00422	14.2	0.0386	0.00619	0.00047	0.0014	6.88	0.00111	<0.0002	3.2	<0.00005	12.7	0.481
MP-EFF-DC	12-Apr-2021	<0.0001	<0.0001	0.000254	122	<0.0005	0.00015	0.00926	0.028	<0.05	0.00393	13.1	0.0395	0.00905	0.00044	0.00141	8.9	0.00117	<0.0002	3.3	<0.00005	12.9	0.47
MP-EFF-DC	13-Apr-2021	<0.0001	<0.0001	0.000236	118	<0.0005	0.00011	0.00668	0.015	<0.05	0.00356	12.3	0.0281	0.0101	0.00137	0.00078	9	0.00061	<0.0002	3	<0.00005	12.5	0.46
MP-EFF-DC	14-Apr-2021	<0.0001	<0.0001	0.000217	118	<0.0005	0.00013	0.00713	0.023	<0.05	0.00384	12.8	0.0371	0.00967	0.00053	0.00119	8.22	0.00059	<0.0002	2.9	0.000058	12.5	0.465
MP-EFF-DC	15-Apr-2021	<0.0001	<0.0001	0.000287	120	<0.0005	0.00013	0.00707	0.021	<0.05	0.00389	14.3	0.0408	0.0085	0.00144	0.00088	6.94	<0.0005	<0.0002	3.2	<0.00005	12.3	0.488
MP-EFF-DC	16-Apr-2021	<0.0001	<0.0001	0.000244	118	<0.0005	0.00014	0.00596	0.015	<0.05	0.0038	14.4	0.0486	0.00792	0.0015	0.00082	6.28	<0.0005	<0.0002	3.2	<0.00005	11.6	0.479
MP-EFF-DC	17-Apr-2021	<0.0001	<0.0001	0.000503	119	<0.0005	0.0001	0.00408	0.016	<0.05	0.00359	15.1	0.036	0.0063	0.00092	0.00082	5.4	<0.0005	<0.0002	3.5	<0.00005	11.7	0.501
MP-EFF-DC	18-Apr-2021	<0.0001	<0.0001	0.000315	115	<0.0005	0.00012	0.00452	0.018	<0.05	0.00344	14.6	0.0361	0.00537	0.00044	0.00079	4.59	<0.0005	<0.0002	3.2	<0.00005	11	0.49
MP-EFF-DC	19-Apr-2021	<0.0001	<0.0001	0.000301	105	<0.0005	0.00013	0.00611	0.018	<0.05	0.00327	13	0.0371	0.00645	0.00533	0.00073	5.22	<0.0005	<0.0002	3.1	<0.00005	10.6	0.459
MP-EFF-DC	20-Apr-2021	<0.0001	<0.0001	0.000266	101	<0.0005	0.00015	0.00922	0.031	<0.05	0.00306	12.5	0.0393	0.00619	0.00058	0.00134	4.86	<0.0005	<0.0002	3.3	<0.00005	10.1	0.442
MP-EFF-DC	21-Apr-2021	<0.0001	<0.0001	0.000325	100	<0.0005	0.00033	0.0116	0.046	<0.05	0.00273	11.9	0.0842	0.00767	0.00148	0.00136	5.78	0.00094	<0.0002	3.4	<0.00005	9.89	0.417
MP-EFF-DC	22-Apr-2021	<0.0001	<0.0001	0.000271	95.2	<0.0005	<0.0001	0.00523	<0.01	<0.05	0.00218	8.78	0.0181	0.00945	<0.0004	0.00027	7.18	0.00101	<0.0002	2.8	<0.00005	9.38	0.373
MP-EFF-DC	23-Apr-2021	<0.0001	<0.0001	0.000195	99.4	<0.0005	<0.0001	0.00859	<0.01	<0.05	0.00228	7.96	0.0157	0.011	<0.0004	0.00023	7.88	0.00097	<0.0002	2.8	<0.00005	9.87	0.385
MP-EFF-DC	24-Apr-2021	<0.0001	<0.0001	0.000231	101	<0.0005	<0.0001	0.00808	<0.01	<0.05	0.00236	9.1	0.0208	0.0126	<0.0004	0.00027	8.24	0.00113	<0.0002	2.8	<0.00005	11.4	0.428
MP-EFF-DC	25-Apr-2021	<0.0001	<0.0001	0.000187	101	<0.0005	0.00012	0.00926	0.016	<0.05	0.00257	10.1	0.0239	0.0121	<0.0004	0.00046	7.89	0.00129	<0.0002	2.8	<0.00005	13.3	0.412
MP-EFF-DC	26-Apr-2021	<0.0001	<0.0001	0.00019	101	<0.0005	<0.0001	0.0122	0.015	<0.05	0.00237	10.2	0.0181	0.0104	<0.0004	0.0005	6.98	0.00194	<0.0002	2.9	<0.00005	14	0.393
MP-EFF-DC	27-Apr-2021	<0.0001	<0.0001	0.000215	102	<0.0005	<0.0001	0.00766	0.012	<0.05	0.00235	9.77	0.0193	0.0117	<0.0004	0.00048	7.08	0.00278	<0.0002	2.7	0.000052	14.3	0.392
MP-EFF-DC	28-Apr-2021	<0.0001	<0.0001	0.000181	112	<0.0005	0.00018	0.00802	0.016	<0.05	0.00311	8.92	0.0156	0.0129	<0.0004	0.00062	8.3	0.00499	<0.0002	3.1	0.00007	16.6	0.417
MP-EFF-DC	29-Apr-2021	<0.0001	<0.0001	0.000187	114	<0.0005	0.00011	0.00804	0.021	<0.05	0.00337	9.83	0.021	0.0132	<0.0004	0.00079	8.48	0.00548	<0.0002	3.1	0.000113	18.1	0.435
MP-EFF-DC	30-Apr-2021	<0.0001	<0.0001	0.000174	109	<0.0005	<0.0001	0.00799	0.02	<0.05	0.0034	10.1	0.0229	0.0116	<0.0004	0.00081	7.57	0.00444	<0.0002	3	0.000089	17.5	0.431
MP-EFF-DC	1-May-2021	<0.0001	<0.0001	0.000184	110	<0.0005	0.0001	0.00737	0.024	<0.05	0.00353	11.1	0.0241	0.00972	<0.0004	0.00096	6.42	0.00359	<0.0002	3	<0.00005	16.1	0.445
MP-EFF-DC	2-May-2021	<0.0001	<0.0001	0.000218	111	<0.0005	0.00012	0.00779	0.032	<0.05	0.00355	11.7	0.0245	0.00628	<0.0004	0.00122	4.57	0.00225	<0.0002	3.1	<0.00005	13.3	0.463
MP-EFF-DC	3-May-2021	<0.0001	<0.0001	0.000259	116	<0.0005	0.00016	0.0116	0.042	<0.05	0.0036	11.1	0.0356	0.00783	0.0005	0.00176	5.4	0.00301	<0.0002	3.4	<0.00005	14.8	0.458
MP-EFF-DC	4-May-2021	<0.0001	<0.0001	0.000372	102	<0.0005	0.0001	0.00619	0.012	<0.05	0.00293	10.4	0.0277	0.00924	<0.0004	0.00072	6.4	0.00213	<0.0002	2.8	<0.00005	16.5	0.413

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MP-EFF-DC	17-Mar-2021	-	-	-	-	-	-	-	0.105	-	-	-	-	-	-	-	-	-	0.000366	-	-	-	0.00286	-
MP-EFF-DC	18-Mar-2021	-	-	-	-	-	-	-	0.0897	-	-	-	-	-	-	-	-	-	0.000564	-	-	-	0.00339	-
MP-EFF-DC	19-Mar-2021	-	-	-	-	-	-	-	0.0775	-	-	-	-	-	-	-	-	-	0.000549	-	-	-	0.00379	-
MP-EFF-DC	20-Mar-2021	-	-	-	-	-	-	-	0.0434	-	-	-	-	-	-	-	-	-	0.000362	-	-	-	0.00391	-
MP-EFF-DC	21-Mar-2021	-	-	-	-	-	-	-	0.0409	-	-	-	-	-	-	-	-	-	0.000307	-	-	-	0.00637	-
MP-EFF-DC	22-Mar-2021	-	-	-	-	-	-	-	0.0413	-	-	-	-	-	-	-	-	-	0.00024	-	-	-	0.0094	-
MP-EFF-DC	23-Mar-2021	-	-	-	-	-	-	-	0.0508	-	-	-	-	-	-	-	-	-	0.000261	-	-	-	0.0105	-
MP-EFF-DC	24-Mar-2021	-	-	-	-	-	-	-	0.0498	-	-	-	-	-	-	-	-	-	0.000229	-	-	-	0.0088	-
MP-EFF-DC	25-Mar-2021	-	-	-	-	-	-	-	0.0689	-	-	-	-	-	-	-	-	-	0.000321	-	-	-	0.00802	-
MP-EFF-DC	26-Mar-2021	-	-	-	-	-	-	-	0.075	-	-	-	-	-	-	-	-	-	0.000265	-	-	-	0.00772	-
MP-EFF-DC	27-Mar-2021	-	-	-	-	-	-	-	0.067	-	-	-	-	-	-	-	-	-	0.000239	-	-	-	0.00908	-
MP-EFF-DC	28-Mar-2021	-	-	-	-	-	-	-	0.0895	-	-	-	-	-	-	-	-	-	0.000251	-	-	-	0.00802	-
MP-EFF-DC	29-Mar-2021	-	-	-	-	-	-	-	0.0875	-	-	-	-	-	-	-	-	-	0.000179	-	-	-	0.00682	-
MP-EFF-DC	30-Mar-2021	-	-	-	-	-	-	-	0.0951	-	-	-	-	-	-	-	-	-	0.000185	-	-	-	0.00923	-
MP-EFF-DC	31-Mar-2021	-	-	-	-	-	-	-	0.0569	-	-	-	-	-	-	-	-	-	0.000312	-	-	-	0.00481	-
MP-EFF-DC	1-Apr-2021	-	-	-	-	-	-	-	0.0584	-	-	-	-	-	-	-	-	-	0.000279	-	-	-	0.00321	-
MP-EFF-DC	2-Apr-2021	-	-	-	-	-	-	-	0.0821	-	-	-	-	-	-	-	-	-	0.000375	-	-	-	0.00294	-
MP-EFF-DC	3-Apr-2021	-	-	-	-	-	-	-	0.0996	-	-	-	-	-	-	-	-	-	0.000338	-	-	-	0.00392	-
MP-EFF-DC	4-Apr-2021	-	-	-	-	-	-	-	0.0871	-	-	-	-	-	-	-	-	-	0.000242	-	-	-	0.00495	-
MP-EFF-DC	5-Apr-2021	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	0.00024	-	-	-	0.00611	-
MP-EFF-DC	6-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0424	<0.0001	-	0.0905	118	<0.0005	<0.05	<0.0001	<0.0001	0.0264	0.000268	121	<0.0005	<0.0001	0.0104	<0.01
MP-EFF-DC	7-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0495	<0.0001	-	0.0989	115	<0.0005	0.0504	<0.0001	<0.0001	0.0222	0.000244	127	<0.0005	<0.0001	0.00729	<0.01
MP-EFF-DC	8-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000039	<0.001	0.042	<0.0001	-	0.0815	122	<0.0005	<0.05	<0.0001	<0.0001	0.0214	0.000242	127	<0.0005	<0.0001	0.00655	<0.01
MP-EFF-DC	9-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	<0.001	0.0501	<0.0001	-	0.106	125	<0.0005	<0.05	<0.0001	<0.0001	0.023	0.000233	124	<0.0005	0.00012	0.00567	<0.01
MP-EFF-DC	10-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	<0.001	0.0483	<0.0001	-	0.12	125	<0.0005	<0.05	<0.0001	<0.0001	0.0226	0.000254	123	<0.0005	<0.0001	0.00457	<0.01
MP-EFF-DC	11-Apr-2021	<0.0005	0.000022	<0.0001	<0.005	<0.001	0.000022	<0.001	0.0575	<0.0001	-	0.136	121	<0.0005	<0.05	<0.0001	<0.0001	0.0207	0.000217	121	<0.0005	<0.0001	0.00448	<0.01
MP-EFF-DC	12-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	<0.001	0.0563	<0.0001	-	0.146	116	<0.0005	0.0527	<0.0001	<0.0001	0.0234	0.000229	120	<0.0005	<0.0001	0.00508	<0.01
MP-EFF-DC	13-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0627	<0.0001	-	0.0505	113	<0.0005	0.0535	<0.0001	<0.0001	0.0243	0.000174	114	<0.0005	<0.0001	0.0044	<0.01
MP-EFF-DC	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	<0.001	0.066	<0.0001	-	0.039	115	<0.0005	0.0513	<0.0001	<0.0001	0.024	0.000164	115	<0.0005	0.0001	0.0039	<0.01
MP-EFF-DC	15-Apr-2021	<0.0005	0.000022	<0.0001	<0.005	<0.001	0.000025	<0.001	0.0649	<0.0001	-	0.0459	120	<0.0005	<0.05	<0.0001	<0.0001	0.0255	0.000258	112	<0.0005	<0.0001	0.00551	<0.01
MP-EFF-DC	16-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000034	<0.001	0.0558	<0.0001	-	0.0539	119	<0.0005	<0.05	<0.0001	<0.0001	0.0236	0.000228	113	<0.0005	0.00011	0.00419	<0.01
MP-EFF-DC	17-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0494	<0.0001	-	0.109	119	<0.0005	<0.05	<0.0001	<0.0001	0.0218	0.000226	111	<0.0005	<0.0001	0.0021	0.013
MP-EFF-DC	18-Apr-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.00002	<0.001	0.0603	<0.0001	-	0.121	111	<0.0005	<0.05	<0.0001	<0.0001	0.0219	0.000256	107	<0.0005	<0.0001	0.00196	<0.01
MP-EFF-DC	19-Apr-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000021	<0.001	0.073	<0.0001	-	0.135	105	<0.0005	<0.05	<0.0001	<0.0001	0.0228	0.000288	100	<0.0005	0.00011	0.00311	<0.01
MP-EFF-DC	20-Apr-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000027	<0.001	0.0758	<0.0001	-	0.125	104	<0.0005	<0.05	<0.0001	<0.0001	0.0231	0.000235	95.8	<0.0005	<0.0001	0.00364	<0.01
MP-EFF-DC	21-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024	<0.001	0.0992	<0.0001	-	0.164	96.7	<0.0005	<0.05	<0.0001	<0.0001	0.0236	0.000254	95.3	<0.0005	0.00018	0.00527	<0.01
MP-EFF-DC	22-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0457	<0.0001	-	0.104	115	0.00051	0.0501	<0.0001	<0.0001	0.027	0.000302	101	<0.0005	<0.0001	0.00462	<0.01
MP-EFF-DC	23-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	0.001	<0.00002	<0.001	0.0349	<0.0001	-	0.151	116	0.00059	0.0514	<0.0001	<0.0001	0.0287	0.000232	104	<0.0005	0.0001	0.008	<0.01
MP-EFF-DC	24-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	0.0011	<0.00002	<0.001	0.0473	<0.0001	-	0.112	114	0.00057	<0.05	<0.0001	<0.0001	0.0259	0.000235	102	<0.0005	<0.0001	0.00608	<0.01
MP-EFF-DC	25-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	0.0012	0.000027	<0.001	0.0383	<0.0001	-	0.14	116	0.00064	<0.05	<0.0001	<0.0001	0.0254	0.000226	101	<0.0005	0.00011	0.00785	<0.01
MP-EFF-DC	26-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	0.0011	<0.00002	<0.001	0.0352	<0.0001	-	0.184	117	0.00059	<0.05	<0.0001	<0.0001	0.025	0.000209	101	<0.0005	<0.0001	0.0103	<0.01
MP-EFF-DC	27-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	0.0011	<0.00002	<0.001	0.0371	<0.0001	-	0.199	113	0.0006	<0.05	<0.0001	<0.0001	0.0235	0.000213	101	<0.0005	<0.0001	0.00638	<0.01
MP-EFF-DC	28-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	0.0011	<0.00002	<0.001	0.0312	<0.0001	-	0.194	116	0.00056	<0.05	<0.0001	<0.0001	0.0242	0.000154	101	<0.0005	<0.0001	0.00576	<0.01
MP-EFF-DC	29-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	0.0013	0.00002	<0.001	0.0328	<0.0001	-	0.172	111	0.00067	<0.05	<0.0001	<0.0001	0.0256	0.00019	105	<0.0005	<0.0001	0.00683	<0.01
MP-EFF-DC	30-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	0.001	0.00002	<0.001	0.0342	<0.0001	-	0.189	111	<0.0005	<0.05	<0.0001	<0.0001	0.0258	0.000158	107	<0.0005	<0.0001	0.00529	<0.01
MP-EFF-DC	1-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0408	<0.0001	-	0.181	119	0.00053	<0.05	<0.0001	<0.0001	0.0242	0.000163	104	<0.0005	<0.0001	0.00499	<0.01
MP-EFF-DC	2-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0545	<0.0001	-	0.17	123	<0.0005	<0.05	<0.0001	<0.0001	0.0228	0.000183	107	<0.0005	<0.0001	0.00395	<0.01
MP-EFF-DC	3-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024	0.001	0.0827	<0.0001	-	0.175	127	<0.0005	<0.05	<0.0001	<0.0001	0.0242	0.000255	107	<0.0005	<0.0001	0.00505	<0.01
MP-EFF-DC	4-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.001	0.0762	<0.0001	-	0.098	106	<0.0005	0.0534	<0.0001	<0.0001	0.0246	0.00034	99.9	<0.0005	<0.0001	0.00528	<0.01

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MP-EFF-DC	17-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	18-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	19-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	20-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	21-Mar-2021	-	-	-	-	-	-	0.00058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	22-Mar-2021	-	-	-	-	-	-	0.00035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	23-Mar-2021	-	-	-	-	-	-	0.00026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	24-Mar-2021	-	-	-	-	-	-	0.00028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	25-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	26-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	27-Mar-2021	-	-	-	-	-	-	0.00024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	28-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	29-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	30-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	31-Mar-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	1-Apr-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	2-Apr-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Apr-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	4-Apr-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Apr-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	6-Apr-2021	0.364	0.0036	9.75	0.0175	0.00837	0.0005	0.00076	9.18	0.00884	0.00107	3.1	0.451	<0.0002	<0.00005	10.8	0.00867	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	7-Apr-2021	<0.05	0.00373	9.96	0.0183	0.00885	<0.0004	<0.0002	7.12	0.00968	0.00122	2.8	0.457	<0.0002	<0.00005	10.3	0.00939	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	8-Apr-2021	<0.05	0.00403	12.1	0.0335	0.00738	0.00046	<0.0002	6.26	0.00839	0.00108	2.8	0.462	<0.0002	<0.00005	10.4	0.0078	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000031
MP-EFF-DC	9-Apr-2021	<0.05	0.00391	14	0.0557	0.00669	0.00063	<0.0002	5.69	0.00673	0.0011	2.7	0.475	<0.0002	<0.00005	10.5	0.00682	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	10-Apr-2021	<0.05	0.00408	13.9	0.0383	0.00559	0.00042	<0.0002	5.21	0.00556	0.00077	2.7	0.477	<0.0002	<0.00005	10.8	0.00556	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	11-Apr-2021	<0.05	0.0042	12.5	0.0292	0.00633	0.00043	<0.0002	6.13	0.00585	0.00098	2.6	0.465	<0.0002	<0.00005	11.2	0.00545	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	12-Apr-2021	<0.05	0.00397	11.3	0.0287	0.00872	0.0005	<0.0002	7.75	0.00741	0.00119	2.8	0.447	<0.0002	<0.00005	11.2	0.00719	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	13-Apr-2021	<0.05	0.00346	11	0.0213	0.0103	<0.0004	<0.0002	8.43	0.00824	0.00069	2.7	0.449	<0.0002	<0.00005	11.3	0.00763	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	14-Apr-2021	<0.05	0.0036	11.7	0.0234	0.00903	0.00042	<0.0002	7.92	0.00758	0.00136	2.8	0.454	<0.0002	<0.00005	11.3	0.00754	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002
MP-EFF-DC	15-Apr-2021	<0.05	0.00366	13.4	0.0345	0.00803	0.00052	<0.0002	6.33	0.00648	<0.0005	3	0.464	<0.0002	<0.00005	11.7	0.00589	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002
MP-EFF-DC	16-Apr-2021	<0.05	0.00368	13.9	0.0435	0.00758	0.00051	0.00021	6.02	0.0059	0.00057	3.2	0.459	<0.0002	<0.00005	11.2	0.0056	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000029
MP-EFF-DC	17-Apr-2021	<0.05	0.00335	14.1	0.0307	0.00585	0.00047	<0.0002	4.93	0.00471	<0.0005	3.1	0.463	<0.0002	<0.00005	11.1	0.00454	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	18-Apr-2021	<0.05	0.00328	13.4	0.029	0.00506	<0.0004	<0.0002	4.2	0.00412	<0.0005	3	0.451	<0.0002	<0.00005	10.2	0.00388	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021
MP-EFF-DC	19-Apr-2021	<0.05	0.00311	12.6	0.0291	0.00619	0.00066	<0.0002	4.93	0.00528	<0.0005	3	0.433	<0.0002	<0.00005	10.3	0.00506	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	20-Apr-2021	<0.05	0.00295	12.2	0.0255	0.00586	0.00044	<0.0002	4.74	0.00535	<0.0005	3.1	0.417	<0.0002	<0.00005	9.99	0.00492	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002
MP-EFF-DC	21-Apr-2021	<0.05	0.00261	11.4	0.0617	0.00734	0.00041	<0.0002	5.37	0.00802	0.00111	3.1	0.398	<0.0002	<0.00005	9.38	0.00769	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021
MP-EFF-DC	22-Apr-2021	<0.05	0.00269	9.45	0.0162	0.0102	0.00047	0.00021	7.42	0.0104	0.00113	2.8	0.4	<0.0002	<0.00005	10.2	0.0103	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	23-Apr-2021	<0.05	0.00273	8.88	0.014	0.0119	0.00061	0.00351	8.33	0.011	0.00112	2.9	0.425	<0.0002	<0.00005	11	0.011	<0.0005	<0.00002	<0.0001	<0.005	0.001	<0.00002
MP-EFF-DC	24-Apr-2021	<0.05	0.00259	9.21	0.0184	0.0124	0.00043	0.00039	8.18	0.00987	0.00101	2.7	0.415	<0.0002	<0.00005	11.5	0.00913	<0.0005	<0.00002	<0.0001	<0.005	0.0011	<0.00002
MP-EFF-DC	25-Apr-2021	<0.05	0.00267	10	0.0206	0.0119	0.00074	0.00049	7.74	0.00955	0.0013	2.6	0.404	<0.0002	<0.00005	13.4	0.00921	<0.0005	<0.00002	<0.0001	<0.005	0.0011	0.000024
MP-EFF-DC	26-Apr-2021	<0.05	0.00255	10.5	0.0156	0.0105	0.00181	0.00029	6.98	0.00957	0.00168	3	0.398	<0.0002	<0.00005	14.4	0.00916	<0.0005	<0.00002	<0.0001	<0.005	0.001	<0.00002
MP-EFF-DC	27-Apr-2021	<0.05	0.00237	9.83	0.0158	0.0114	0.00043	<0.0002	7.12	0.0115	0.00269	2.9	0.395	<0.0002	<0.00005	14.5	0.0113	<0.0005	<0.00002	<0.0001	<0.005	0.0011	<0.00002
MP-EFF-DC	28-Apr-2021	<0.05	0.0021	8.15	0.0123	0.0126	0.00044	<0.0002	8.08	0.0129	0.00372	2.8	0.391	<0.0002	0.000058	15.8	0.0137	<0.0005	<0.00002	<0.0001	<0.005	0.0012	<0.00002
MP-EFF-DC	29-Apr-2021	0.053	0.00225	8.33	0.017	0.0128	0.00102	0.00038	8.03	0.0146	0.00404	2.6	0.405	<0.0002	0.000123	16	0.0155	<0.0005	<0.00002	<0.0001	<0.005	0.0013	<0.00002
MP-EFF-DC	30-Apr-2021	<0.05	0.00245	9.19	0.0191	0.0119	<0.0004	<0.0002	7.53	0.013	0.00346	2.7	0.419	<0.0002	0.000089	16.5	0.0147	<0.0005	<0.00002	<0.0001	<0.005	0.0011	0.00002
MP-EFF-DC	1-May-2021	<0.05	0.00249	10.3	0.0191	0.00985	<0.0004	<0.0002	6.34	0.0103	0.00286	2.7	0.437	<0.0002	0.000053	15.7	0.0112	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	2-May-2021	<0.05	0.0028	11.8	0.0175	0.00654	0.00046	0.0002	4.8	0.00674	0.00203	2.9	0.448	<0.0002	<0.00005	14	0.00729	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	3-May-2021	<0.05	0.00274	11.1	0.0217	0.00809	0.00069	<0.0002	5.39	0.00924	0.00229	3	0.432	<0.0002	<0.00005	15.3	0.00937	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	4-May-2021	<0.05	0.00289	10.4	0.0244	0.00885	0.0005	0.00029	6.41	0.0113	0.00192	2.5	0.401	<0.0002	<0.00005	16.5	0.0108	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MP-EFF-DC	17-Mar-2021	-	0.046	-	-	-	-	-	-
MP-EFF-DC	18-Mar-2021	-	0.0878	-	-	-	-	-	-
MP-EFF-DC	19-Mar-2021	-	0.076	-	-	-	-	-	-
MP-EFF-DC	20-Mar-2021	-	0.0352	-	-	-	-	-	-
MP-EFF-DC	21-Mar-2021	-	0.0312	-	-	-	-	-	-
MP-EFF-DC	22-Mar-2021	-	0.0283	-	-	-	-	-	-
MP-EFF-DC	23-Mar-2021	-	0.0306	-	-	-	-	-	-
MP-EFF-DC	24-Mar-2021	-	0.0275	-	-	-	-	-	-
MP-EFF-DC	25-Mar-2021	-	0.0404	-	-	-	-	-	-
MP-EFF-DC	26-Mar-2021	-	0.0294	-	-	-	-	-	-
MP-EFF-DC	27-Mar-2021	-	0.0256	-	-	-	-	-	-
MP-EFF-DC	28-Mar-2021	-	0.0245	-	-	-	-	-	-
MP-EFF-DC	29-Mar-2021	-	0.0198	-	-	-	-	-	-
MP-EFF-DC	30-Mar-2021	-	0.0208	-	-	-	-	-	-
MP-EFF-DC	31-Mar-2021	-	0.0427	-	-	-	-	-	-
MP-EFF-DC	1-Apr-2021	-	0.035	-	-	-	-	-	-
MP-EFF-DC	2-Apr-2021	-	0.0509	-	-	-	-	-	-
MP-EFF-DC	3-Apr-2021	-	0.0489	-	-	-	-	-	-
MP-EFF-DC	4-Apr-2021	-	0.033	-	-	-	-	-	-
MP-EFF-DC	5-Apr-2021	-	0.0289	-	-	-	-	-	-
MP-EFF-DC	6-Apr-2021	<0.001	0.0319	<0.0001	-	-	-	-	-
MP-EFF-DC	7-Apr-2021	<0.001	0.0313	<0.0001	-	-	-	-	-
MP-EFF-DC	8-Apr-2021	<0.001	0.0298	<0.0001	-	-	-	-	-
MP-EFF-DC	9-Apr-2021	<0.001	0.0295	<0.0001	-	-	-	-	-
MP-EFF-DC	10-Apr-2021	<0.001	0.0305	<0.0001	-	-	-	-	-
MP-EFF-DC	11-Apr-2021	<0.001	0.0325	<0.0001	-	-	-	-	-
MP-EFF-DC	12-Apr-2021	<0.001	0.0283	<0.0001	-	-	-	-	-
MP-EFF-DC	13-Apr-2021	<0.001	0.0262	<0.0001	-	-	-	-	-
MP-EFF-DC	14-Apr-2021	<0.001	0.0265	<0.0001	-	-	-	-	-
MP-EFF-DC	15-Apr-2021	<0.001	0.0563	<0.0001	-	-	-	-	-
MP-EFF-DC	16-Apr-2021	<0.001	0.0468	<0.0001	-	-	-	-	-
MP-EFF-DC	17-Apr-2021	<0.001	0.035	<0.0001	-	-	-	-	-
MP-EFF-DC	18-Apr-2021	<0.001	0.0403	<0.0001	-	-	-	-	-
MP-EFF-DC	19-Apr-2021	<0.001	0.0508	<0.0001	-	-	-	-	-
MP-EFF-DC	20-Apr-2021	<0.001	0.04	<0.0001	-	-	-	-	-
MP-EFF-DC	21-Apr-2021	<0.001	0.0399	<0.0001	-	-	-	-	-
MP-EFF-DC	22-Apr-2021	<0.001	0.0538	<0.0001	-	-	-	-	-
MP-EFF-DC	23-Apr-2021	<0.001	0.054	<0.0001	-	-	-	-	-
MP-EFF-DC	24-Apr-2021	<0.001	0.0464	<0.0001	-	-	-	-	-
MP-EFF-DC	25-Apr-2021	<0.001	0.0446	<0.0001	-	-	-	-	-
MP-EFF-DC	26-Apr-2021	<0.001	0.0389	<0.0001	-	-	-	-	-
MP-EFF-DC	27-Apr-2021	<0.001	0.0327	<0.0001	-	-	-	-	-
MP-EFF-DC	28-Apr-2021	<0.001	0.023	<0.0001	-	-	-	-	-
MP-EFF-DC	29-Apr-2021	<0.001	0.0266	<0.0001	-	-	-	-	-
MP-EFF-DC	30-Apr-2021	<0.001	0.0215	<0.0001	-	-	-	-	-
MP-EFF-DC	1-May-2021	<0.001	0.0238	<0.0001	-	-	-	-	-
MP-EFF-DC	2-May-2021	<0.001	0.0277	<0.0001	-	-	-	-	-
MP-EFF-DC	3-May-2021	<0.001	0.0397	<0.0001	-	-	-	-	-
MP-EFF-DC	4-May-2021	0.0011	0.0664	<0.0001	-	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MP-EFF-DC	5-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.145	103	0.00062	0.0569	0.028
MP-EFF-DC	6-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.138	98.9	0.00055	0.0524	0.0301
MP-EFF-DC	7-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.154	89.1	0.00056	<0.05	0.0261
MP-EFF-DC	8-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.183	98.2	0.00055	<0.05	0.0271
MP-EFF-DC	9-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.205	102	0.00061	0.0501	0.026
MP-EFF-DC	10-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.231	99.3	0.00066	0.0526	0.0276
MP-EFF-DC	11-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.26	102	0.00077	0.0537	0.029
MP-EFF-DC	12-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.145	105	0.00085	0.0519	0.0255
MP-EFF-DC	13-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.164	101	0.00065	<0.05	0.0251
MP-EFF-DC	14-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.182	102	0.00076	<0.05	0.0271
MP-EFF-DC	15-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.246	106	0.00087	0.051	0.0279
MP-EFF-DC	16-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.268	102	0.00093	0.0523	0.0262
MP-EFF-DC	17-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	102	0.00108	0.0537	0.031
MP-EFF-DC	18-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.354	97.5	0.00111	0.0503	0.0388
MP-EFF-DC	19-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.145	111	0.000714	0.0468	0.0253
MP-EFF-DC	20-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.164	110	0.000661	0.05	0.0251
MP-EFF-DC	21-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.166	113	0.000691	0.0496	0.0264
MP-EFF-DC	22-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	113	0.000825	0.0532	0.0294
MP-EFF-DC	23-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.206	113	0.00091	0.055	0.0324
MP-EFF-DC	24-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.255	110	0.000801	0.053	0.0285
MP-EFF-DC	25-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.287	112	0.000722	0.0546	0.0291
MP-EFF-DC	26-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.28	106	0.000645	0.0521	0.0278
MP-EFF-DC	27-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.171	107	0.00073	0.0505	0.0267
MP-EFF-DC	28-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.184	114	0.00053	0.0508	0.0252
MP-EFF-DC	29-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.173	114	<0.0005	<0.05	0.0249
MP-EFF-DC	30-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.23	115	0.00051	<0.05	0.025
MP-EFF-DC	31-May-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.279	116	0.00079	0.0562	0.0259
MP-EFF-DC	1-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.085	125	0.00069	0.064	0.0246
MP-EFF-DC	2-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.115	129	0.00057	0.058	0.0267
MP-EFF-DC	3-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0841	128	<0.0005	<0.05	0.0257
MP-EFF-DC	4-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.109	116	<0.0005	<0.05	0.0256
MP-EFF-DC	5-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.172	147	<0.0005	<0.05	0.0307
MP-EFF-DC	6-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.152	104	<0.0005	<0.05	0.0198
MP-EFF-DC	7-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.163	102	<0.0005	<0.05	0.0207
MP-EFF-DC	8-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.185	106	<0.0005	<0.05	0.0216
MP-EFF-DC	9-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.139	92.5	<0.0005	0.139	0.0189
MP-EFF-DC	10-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.138	95.7	<0.0005	0.105	0.0234
MP-EFF-DC	11-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.151	84.4	<0.0005	0.0804	0.024
MP-EFF-DC	12-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.035	<3	<0.0005	<0.05	0.0107
MP-EFF-DC	13-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.179	87.1	<0.0005	0.052	0.0242
MP-EFF-DC	14-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.194	76.8	<0.0005	<0.05	0.0254
MP-EFF-DC	15-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	16-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	17-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	18-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	19-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	20-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	21-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	22-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21E2377	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	5-May-2021	-	-	-	-	-	-	-	-	-	-
21E2377	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	6-May-2021	-	-	-	-	-	-	-	-	-	-
21E2377	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	7-May-2021	-	-	-	-	-	-	-	-	-	-
21E2377	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	8-May-2021	-	-	-	-	-	-	-	-	-	-
21E2377	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	9-May-2021	-	-	-	-	-	-	-	-	-	-
21E2377	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	10-May-2021	-	-	-	-	-	-	-	-	-	-
21E2377	8	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	11-May-2021	-	-	-	-	-	-	-	-	-	-
21E2377	9	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	12-May-2021	-	-	-	-	-	-	-	-	-	-
21E2377	10	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	13-May-2021	-	-	-	-	-	-	-	-	-	-
21E2377	11	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	14-May-2021	-	-	-	-	-	-	-	-	-	-
21E2377	12	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	15-May-2021	-	-	-	-	-	-	-	-	-	-
21E2377	13	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	16-May-2021	-	-	-	-	-	-	-	-	-	-
21E2377	14	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	17-May-2021	-	-	-	-	-	-	-	-	-	-
21E2377	15	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	18-May-2021	-	-	-	-	-	-	-	-	-	-
21E3311	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	19-May-2021	-	-	-	-	-	-	-	-	-	-
21E3311	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	20-May-2021	-	-	-	-	-	-	-	-	-	-
21E3311	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	21-May-2021	-	-	-	-	-	-	-	-	-	-
21E3311	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	22-May-2021	-	-	-	-	-	-	-	-	-	-
21E3311	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	23-May-2021	-	-	-	-	-	-	-	-	-	-
21E3311	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	24-May-2021	-	-	-	-	-	-	-	-	-	-
21E3311	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	25-May-2021	-	-	-	-	-	-	-	-	-	-
21E3311	8	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	26-May-2021	-	-	-	-	-	-	-	-	-	-
21F0750	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	27-May-2021	-	-	-	-	-	-	-	-	-	-
21F0750	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	28-May-2021	-	-	-	-	-	-	-	-	-	-
21F0750	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	29-May-2021	-	-	-	-	-	-	-	-	-	-
21F0750	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	30-May-2021	-	-	-	-	-	-	-	-	-	-
21F0750	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	31-May-2021	-	-	-	-	-	-	-	-	-	-
21F1794	1	No	Regular	MP-EFF-DC (E100666)	MP-EFF-DC	1-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F1794	2	No	Regular	MP-EFF-DC (E100666)	MP-EFF-DC	2-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F1794	3	No	Regular	MP-EFF-DC (E100666)	MP-EFF-DC	3-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F1794	4	No	Regular	MP-EFF-DC (E100666)	MP-EFF-DC	4-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F1794	5	No	Regular	MP-EFF-DC (E100666)	MP-EFF-DC	5-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F1794	6	No	Regular	MP-EFF-DC (E100666)	MP-EFF-DC	6-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F1794	7	No	Regular	MP-EFF-DC (E100666)	MP-EFF-DC	7-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F1794	8	No	Regular	MP-EFF-DC (E100666)	MP-EFF-DC	8-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F2538	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	9-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F2538	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	10-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F2538	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	11-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F2538	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	12-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F2538	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	13-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F2538	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	14-Jun-2021	-	-	-	-	-	-	-	-	-	-
21F2538	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	15-Jun-2021	7	-	-	-	-	-	-	-	-	-
21F2538	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	16-Jun-2021	7.09	-	-	-	-	-	-	-	-	-
21F2538	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	17-Jun-2021	7.18	-	-	-	-	-	-	-	-	-
21F2538	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	18-Jun-2021	7.3	-	-	-	-	-	-	-	-	-
21F2538	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	19-Jun-2021	7.37	-	-	-	-	-	-	-	-	-
21F2538	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	20-Jun-2021	6.99	-	-	-	-	-	-	-	-	-
21F2538	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	21-Jun-2021	6.76	-	-	-	-	-	-	-	-	-
21F2538	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	22-Jun-2021	6.71	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MP-EFF-DC	5-May-2021	<0.0001	<0.0001	0.000314	96.5	<0.0005	<0.0001	0.00631	0.012	<0.05	0.00283	10.1	0.0265	0.0081	<0.0004	0.00064	6.02	0.0018	<0.0002	2.9	<0.00005	15	0.406
MP-EFF-DC	6-May-2021	<0.0001	<0.0001	0.000354	94	<0.0005	0.00013	0.00465	0.024	<0.05	0.00279	11.3	0.0377	0.00655	<0.0004	0.00087	5.32	0.00148	<0.0002	2.8	<0.00005	12.9	0.407
MP-EFF-DC	7-May-2021	<0.0001	<0.0001	0.000256	86.8	<0.0005	<0.0001	0.00408	0.019	<0.05	0.00258	10.1	0.0235	0.00516	0.0004	0.00079	4.56	0.00141	<0.0002	2.6	<0.00005	11.2	0.367
MP-EFF-DC	8-May-2021	<0.0001	<0.0001	0.000224	97.5	<0.0005	<0.0001	0.00433	0.021	<0.05	0.00275	10.7	0.0178	0.0047	0.00041	0.00086	4.73	0.00156	0.00082	2.6	<0.00005	11.8	0.412
MP-EFF-DC	9-May-2021	<0.0001	<0.0001	0.000257	99.9	0.00349	0.0001	0.00612	0.028	<0.05	0.00268	9.92	0.0212	0.00614	<0.0004	0.00099	5.93	0.0019	<0.0002	3	<0.00005	11.6	0.411
MP-EFF-DC	10-May-2021	<0.0001	<0.0001	0.000203	98.5	<0.0005	0.00011	0.00741	0.025	<0.05	0.00285	9.75	0.0242	0.00685	<0.0004	0.00103	6.69	0.00204	<0.0002	2.7	<0.00005	11.6	0.409
MP-EFF-DC	11-May-2021	<0.0001	<0.0001	0.000261	101	<0.0005	0.00018	0.0109	0.04	<0.05	0.00301	10.5	0.0342	0.00701	0.00048	0.00159	7.17	0.00233	<0.0002	2.6	<0.00005	13.5	0.421
MP-EFF-DC	12-May-2021	<0.0001	<0.0001	0.000323	102	<0.0005	0.00014	0.00494	<0.01	<0.05	0.00314	11.2	0.0422	0.00676	0.00058	0.00053	6.98	0.00162	<0.0002	2.7	<0.00005	14.5	0.428
MP-EFF-DC	13-May-2021	<0.0001	<0.0001	0.000338	98.4	<0.0005	0.00016	0.00544	0.012	<0.05	0.00311	11.7	0.0398	0.00652	0.00044	0.0005	6.23	0.00162	<0.0002	2.6	<0.00005	14	0.419
MP-EFF-DC	14-May-2021	<0.0001	<0.0001	0.000264	97	<0.0005	0.00013	0.00658	0.011	<0.05	0.00304	11	0.0338	0.00883	0.00048	0.00044	7.31	0.0026	<0.0002	2.7	<0.00005	14.9	0.422
MP-EFF-DC	15-May-2021	<0.0001	<0.0001	0.000274	97.4	<0.0005	0.00013	0.00877	0.014	<0.05	0.00285	10.6	0.0282	0.0114	0.00045	0.00055	8.32	0.00526	0.00026	2.9	0.000054	16.5	0.423
MP-EFF-DC	16-May-2021	<0.0001	<0.0001	0.000262	94.4	<0.0005	0.00014	0.0106	0.02	<0.05	0.00271	9.88	0.0304	0.0124	0.00042	0.00073	8.46	0.00686	0.0156	2.6	<0.00005	16.5	0.397
MP-EFF-DC	17-May-2021	<0.0001	<0.0001	0.000299	95.7	<0.0005	0.00019	0.0133	0.081	<0.05	0.00265	9.62	0.0321	0.0123	0.00049	0.00371	8.49	0.00791	0.012	3	<0.00005	16.5	0.393
MP-EFF-DC	18-May-2021	<0.0001	<0.0001	0.000569	96.2	<0.0005	0.00036	0.0232	0.213	<0.05	0.0027	10.6	0.0646	0.0105	0.00079	0.0116	7.42	0.00621	0.178	2.9	0.000069	14.8	0.387
MP-EFF-DC	19-May-2021	<0.00001	<0.00001	0.000359	123	0.0002	0.000128	0.00673	0.0144	0.022	0.00264	9.29	0.0383	0.0093	0.0004	0.000801	6.95	0.00394	<0.00005	2.74	0.00003	13.3	0.437
MP-EFF-DC	20-May-2021	<0.00001	<0.00001	0.000283	125	0.00021	0.000116	0.00725	0.0084	0.02	0.00258	9.14	0.0327	0.0105	0.000349	0.000611	7.69	0.00443	<0.00005	2.8	0.00004	13.5	0.436
MP-EFF-DC	21-May-2021	<0.00001	<0.00001	0.000275	127	0.00016	0.000108	0.00745	0.0121	0.019	0.00274	9.38	0.0301	0.0105	0.000386	0.000771	7.75	0.00424	<0.00005	2.81	0.000029	13.6	0.437
MP-EFF-DC	22-May-2021	<0.00001	<0.00001	0.000273	126	0.00017	0.000114	0.00972	0.0135	0.016	0.00286	8.26	0.0277	0.0123	0.000281	0.000456	8.4	0.00497	<0.00005	2.83	0.000068	14.9	0.435
MP-EFF-DC	23-May-2021	<0.00001	<0.00001	0.00028	128	0.00018	0.000122	0.00921	0.015	0.021	0.00277	7.65	0.0294	0.014	0.000324	0.000656	8.94	0.00559	<0.00005	2.92	0.000061	15.7	0.463
MP-EFF-DC	24-May-2021	<0.00001	<0.00001	0.000265	124	0.0002	0.000136	0.01	0.0314	0.025	0.00271	7.7	0.0329	0.0134	0.000319	0.00109	8.54	0.00544	<0.00005	2.83	0.000042	15	0.47
MP-EFF-DC	25-May-2021	<0.00001	<0.00001	0.000255	122	0.0002	0.000132	0.0111	0.0357	0.02	0.00274	8.7	0.0336	0.0125	0.000418	0.00159	8.34	0.00574	0.000053	2.92	0.000053	14.6	0.475
MP-EFF-DC	26-May-2021	<0.00001	<0.00001	0.000246	119	0.00022	0.000158	0.0117	0.0577	0.024	0.00278	8.78	0.0319	0.00989	0.000334	0.00246	7.71	0.00492	<0.00005	2.87	0.000065	13.1	0.458
MP-EFF-DC	27-May-2021	<0.0001	<0.0001	0.000354	105	<0.0005	0.00015	0.00687	0.036	<0.05	0.00303	9.69	0.034	0.00966	<0.0004	0.00135	7.36	0.00396	<0.0002	2.6	0.000065	13.8	0.398
MP-EFF-DC	28-May-2021	<0.0001	<0.0001	0.000324	112	<0.0005	0.00012	0.0075	0.028	<0.05	0.00313	9.55	0.0321	0.00704	0.00041	0.001	7.5	0.0028	<0.0002	2.5	<0.00005	14.5	0.436
MP-EFF-DC	29-May-2021	<0.0001	<0.0001	0.000305	111	<0.0005	0.00013	0.00938	0.025	<0.05	0.00327	10.9	0.0359	0.0069	0.00043	0.00114	6.92	0.00259	<0.0002	2.8	<0.00005	13.4	0.437
MP-EFF-DC	30-May-2021	<0.0001	<0.0001	0.000268	115	<0.0005	0.00014	0.00944	0.031	<0.05	0.00339	11.2	0.0305	0.00722	0.00043	0.00133	6.86	0.00378	<0.0002	2.7	<0.00005	14.3	0.453
MP-EFF-DC	31-May-2021	<0.0001	<0.0001	0.000246	118	<0.0005	0.00016	0.0122	0.072	<0.05	0.0035	10.5	0.0305	0.0104	<0.0004	0.00223	7.83	0.00548	<0.0002	3	<0.00005	16.8	0.444
MP-EFF-DC	1-Jun-2021	<0.0001	<0.0001	0.000401	113	<0.0005	0.00017	0.00647	0.03	<0.05	0.00354	10.2	0.04	0.0115	0.00058	0.00101	8.68	0.00341	<0.0002	3.1	<0.00005	25.8	0.451
MP-EFF-DC	2-Jun-2021	<0.0001	<0.0001	0.000356	120	<0.0005	0.00011	0.00727	0.022	<0.05	0.00386	9.44	0.028	0.013	0.00048	0.00088	8.32	0.00324	<0.0002	2.9	<0.00005	30.2	0.469
MP-EFF-DC	3-Jun-2021	<0.0001	<0.0001	0.000255	116	<0.0005	<0.0001	0.00823	0.013	<0.05	0.0045	8.52	0.0223	0.00855	0.00061	0.00074	6.81	0.00254	<0.0002	2.1	<0.00005	26.7	0.452
MP-EFF-DC	4-Jun-2021	<0.0001	<0.0001	0.000288	111	<0.0005	<0.0001	0.00838	0.013	<0.05	0.0044	9.34	0.0257	0.0051	0.00058	0.00093	4.73	0.00139	<0.0002	2	<0.00005	21.9	0.435
MP-EFF-DC	5-Jun-2021	<0.0001	<0.0001	0.000306	137	<0.0005	0.00014	0.0117	0.027	<0.05	0.00509	14.2	0.0303	0.00413	0.00074	0.002	4.04	0.00137	0.0669	3	<0.00005	20.5	0.565
MP-EFF-DC	6-Jun-2021	<0.0001	<0.0001	0.00021	97.1	<0.0005	0.00011	0.00877	0.024	<0.05	0.00336	11.4	0.0231	0.00158	0.0004	0.00221	2.1	0.00073	<0.0002	3	<0.00005	11.6	0.408
MP-EFF-DC	7-Jun-2021	<0.0001	<0.0001	0.000191	94.9	<0.0005	0.00013	0.00911	0.026	<0.05	0.00323	11.7	0.0255	0.00115	<0.0004	0.00282	1.85	0.00077	<0.0002	2.3	<0.00005	10.4	0.402
MP-EFF-DC	8-Jun-2021	<0.0001	<0.0001	0.000265	99.8	<0.0005	0.00015	0.00961	0.029	0.083	0.00336	12	0.0319	0.00095	0.00048	0.00376	1.84	0.00057	<0.0002	3	<0.00005	10.4	0.417
MP-EFF-DC	9-Jun-2021	<0.0001	<0.0001	0.000362	106	<0.0005	0.00026	0.00596	0.02	0.066	0.00284	11.6	0.0817	0.00103	0.00087	0.00185	1.56	<0.0005	<0.0002	2.3	<0.00005	8.97	0.397
MP-EFF-DC	10-Jun-2021	<0.0001	<0.0001	0.000349	103	<0.0005	0.00021	0.00797	0.025	0.079	0.00293	12.3	0.0791	0.00108	0.00078	0.00181	1.55	<0.0005	<0.0002	2.3	<0.00005	8.91	0.388
MP-EFF-DC	11-Jun-2021	<0.0001	<0.0001	0.000315	97.7	0.00145	0.00029	0.019	0.079	0.056	0.00283	12.4	0.0885	0.00233	0.00265	0.00335	1.44	<0.0005	0.00048	2.2	<0.00005	8.36	0.361
MP-EFF-DC	12-Jun-2021	<0.0001	<0.0001	0.000165	12.8	<0.0005	<0.0001	0.00384	0.015	0.092	0.00011	0.931	0.00245	0.0004	<0.0004	0.00038	0.16	<0.0005	<0.0002	1.1	<0.00005	0.85	0.0249
MP-EFF-DC	13-Jun-2021	<0.0001	<0.0001	0.000323	89.5	<0.0005	0.00022	0.0126	0.062	0.074	0.00248	11.7	0.0586	0.00069	0.00073	0.00353	1.26	<0.0005	<0.0002	2.2	<0.00005	8.07	0.347
MP-EFF-DC	14-Jun-2021	<0.0001	<0.0001	0.000369	85.2	<0.0005	0.00028	0.0144	0.06	0.056	0.00236	11.1	0.0557	0.00075	0.00075	0.00458	1.18	<0.0005	<0.0002	2.1	<0.00005	7.71	0.323
MP-EFF-DC	15-Jun-2021	-	-	-	-	-	-	0.00449	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	16-Jun-2021	-	-	-	-	-	-	0.00348	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	17-Jun-2021	-	-	-	-	-	-	0.0056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	18-Jun-2021	-	-	-	-	-	-	0.011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	19-Jun-2021	-	-	-	-	-	-	0.00679	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	20-Jun-2021	-	-	-	-	-	-	0.00563	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	21-Jun-2021	-	-	-	-	-	-	0.00749	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	22-Jun-2021	-	-	-	-	-	-	0.0102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MP-EFF-DC	5-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0011	0.0716	<0.0001	-	0.0698	99.3	<0.0005	<0.05	<0.0001	<0.0001	0.0247	0.000284	92.3	<0.0005	<0.0001	0.0043	<0.01
MP-EFF-DC	6-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0011	0.0707	<0.0001	-	0.0867	92.3	<0.0005	<0.05	<0.0001	<0.0001	0.0262	0.000334	89.4	<0.0005	0.0001	0.00354	<0.01
MP-EFF-DC	7-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0012	0.0414	<0.0001	-	0.131	93.2	<0.0005	<0.05	<0.0001	<0.0001	0.0246	0.000233	90.3	<0.0005	<0.0001	0.00323	<0.01
MP-EFF-DC	8-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0011	0.0474	<0.0001	-	0.152	98	<0.0005	<0.05	<0.0001	<0.0001	0.0238	0.000198	95	<0.0005	<0.0001	0.00297	<0.01
MP-EFF-DC	9-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0017	0.0549	<0.0001	-	0.175	99.5	0.00057	<0.05	<0.0001	<0.0001	0.0237	0.00024	98.4	<0.0005	<0.0001	0.00338	<0.01
MP-EFF-DC	10-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0013	0.0507	<0.0001	-	0.186	103	0.00071	<0.05	<0.0001	<0.0001	0.0252	0.000175	94.8	<0.0005	<0.0001	0.00399	<0.01
MP-EFF-DC	11-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0014	0.0792	0.00011	-	0.214	117	0.00061	<0.05	<0.0001	<0.0001	0.0246	0.000211	99.2	<0.0005	<0.0001	0.00537	<0.01
MP-EFF-DC	12-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	0.001	0.0658	<0.0001	-	0.106	111	0.00069	0.0504	<0.0001	<0.0001	0.0256	0.000316	103	<0.0005	0.00013	0.0053	<0.01
MP-EFF-DC	13-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	0.0012	0.0712	<0.0001	-	0.121	105	0.00059	<0.05	<0.0001	<0.0001	0.0224	0.000318	96.8	<0.0005	0.00013	0.00432	<0.01
MP-EFF-DC	14-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	0.0012	0.0641	<0.0001	-	0.123	104	0.00066	<0.05	<0.0001	<0.0001	0.0254	0.00027	93.1	<0.0005	0.0001	0.00497	<0.01
MP-EFF-DC	15-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	0.0014	0.0668	<0.0001	-	0.164	105	0.00068	<0.05	<0.0001	<0.0001	0.0245	0.000242	91.1	<0.0005	0.00011	0.00585	<0.01
MP-EFF-DC	16-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	0.0015	0.0713	<0.0001	-	0.184	110	0.00081	<0.05	<0.0001	<0.0001	0.0253	0.000264	91.9	<0.0005	0.0001	0.00744	<0.01
MP-EFF-DC	17-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025	0.0019	0.0834	<0.0001	-	0.197	113	0.00085	<0.05	<0.0001	<0.0001	0.0248	0.00026	91.6	<0.0005	<0.0001	0.00758	<0.01
MP-EFF-DC	18-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000032	0.002	0.162	<0.0001	-	0.178	116	0.00079	<0.05	<0.0001	<0.0001	0.024	0.000363	93.9	<0.0005	0.00013	0.00933	<0.01
MP-EFF-DC	19-May-2021	<0.00005	0.0000158	<0.00001	0.00032	0.00063	0.0000241	0.00038	0.0629	<0.00002	-	0.111	106	0.000577	0.0419	<0.00001	<0.00001	0.0243	0.000341	118	0.0002	0.000161	0.00526	0.0052
MP-EFF-DC	20-May-2021	<0.00005	0.0000149	<0.00001	<0.0002	0.00071	0.0000211	0.00047	0.0502	<0.00002	-	0.127	110	0.000655	0.0467	<0.00001	<0.00001	0.0245	0.000268	121	0.00016	0.000134	0.00554	0.0022
MP-EFF-DC	21-May-2021	<0.00005	0.000016	<0.00001	<0.0002	0.00072	0.0000201	0.00029	0.0498	<0.00002	-	0.119	112	0.000604	0.0462	<0.00001	<0.00001	0.0244	0.000253	120	0.00015	0.000103	0.00505	<0.002
MP-EFF-DC	22-May-2021	<0.00005	0.0000159	<0.00001	0.00023	0.00085	0.0000207	0.00038	0.0513	<0.00002	-	0.117	110	0.000705	0.0499	<0.00001	<0.00001	0.0279	0.000244	118	0.00016	0.0000927	0.00618	<0.002
MP-EFF-DC	23-May-2021	<0.00005	0.0000164	<0.00001	<0.0002	0.00093	0.0000189	0.00058	0.0559	<0.00002	-	0.134	108	0.000699	0.0518	<0.00001	<0.00001	0.0287	0.000249	118	0.00018	0.000113	0.00511	<0.002
MP-EFF-DC	24-May-2021	<0.00005	0.0000175	<0.00001	0.00088	0.00088	0.0000192	0.00065	0.0562	<0.00002	-	0.193	110	0.000645	0.0508	<0.00001	<0.00001	0.0256	0.000235	119	0.0002	0.0000831	0.00574	<0.002
MP-EFF-DC	25-May-2021	<0.00005	0.0000172	<0.00001	<0.0002	0.00075	0.0000207	0.00063	0.0584	<0.00002	-	0.22	111	0.000671	0.0522	<0.00001	<0.00001	0.0238	0.000197	114	0.00015	0.0000763	0.00595	0.0025
MP-EFF-DC	26-May-2021	<0.00005	0.000018	<0.00001	0.00062	0.0006	0.000019	0.00067	0.0666	<0.00002	-	0.216	110	0.000505	0.0511	<0.00001	<0.00001	0.023	0.000181	114	0.00018	0.0000621	0.00502	0.0022
MP-EFF-DC	27-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002	<0.001	0.0694	<0.0001	-	0.114	98.7	0.00056	<0.05	<0.0001	<0.0001	0.0248	0.000304	90.4	<0.0005	<0.0001	0.00935	<0.01
MP-EFF-DC	28-May-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0703	<0.0001	-	0.103	101	<0.0005	<0.05	<0.0001	<0.0001	0.0221	0.000278	88.8	<0.0005	0.0001	0.00603	<0.01
MP-EFF-DC	29-May-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000022	<0.001	0.0769	<0.0001	-	0.106	113	<0.0005	0.0508	<0.0001	<0.0001	0.0278	0.000274	105	<0.0005	0.00012	0.00678	<0.01
MP-EFF-DC	30-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	<0.001	0.0722	<0.0001	-	0.185	119	<0.0005	0.0523	<0.0001	<0.0001	0.0227	0.000256	106	<0.0005	<0.0001	0.0067	<0.01
MP-EFF-DC	31-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025	<0.001	0.0694	<0.0001	-	0.23	132	0.00071	0.0569	<0.0001	<0.0001	0.0237	0.000206	108	<0.0005	<0.0001	0.00796	<0.01
MP-EFF-DC	1-Jun-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000032	<0.001	0.1	<0.0001	-	0.0333	120	0.00076	0.0554	<0.0001	<0.0001	0.0242	0.000363	111	<0.0005	0.00016	0.0166	<0.01
MP-EFF-DC	2-Jun-2021	<0.0005	0.000026	<0.0001	<0.005	<0.001	0.000027	<0.001	0.0696	<0.0001	-	0.0622	120	0.00053	0.0513	<0.0001	<0.0001	0.0262	0.000295	114	<0.0005	<0.0001	0.012	<0.01
MP-EFF-DC	3-Jun-2021	<0.0005	0.000149	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0943	<0.0001	-	0.0507	137	<0.0005	<0.05	<0.0001	<0.0001	0.028	0.000258	124	<0.0005	<0.0001	0.00648	<0.01
MP-EFF-DC	4-Jun-2021	<0.0005	0.000196	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.101	<0.0001	-	0.0925	131	<0.0005	<0.05	<0.0001	<0.0001	0.0282	0.000288	121	<0.0005	<0.0001	0.00665	<0.01
MP-EFF-DC	5-Jun-2021	<0.0005	0.000153	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.112	0.00011	-	0.084	107	<0.0005	<0.05	<0.0001	<0.0001	0.0229	0.000199	103	<0.0005	<0.0001	0.00466	<0.01
MP-EFF-DC	6-Jun-2021	<0.0005	0.000061	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0738	<0.0001	-	0.109	108	<0.0005	<0.05	<0.0001	<0.0001	0.0186	0.000208	97.8	<0.0005	<0.0001	0.00327	<0.01
MP-EFF-DC	7-Jun-2021	<0.0005	0.000033	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0754	<0.0001	-	0.124	104	<0.0005	<0.05	<0.0001	<0.0001	0.0201	0.000186	97.2	0.00099	<0.0001	0.00313	<0.01
MP-EFF-DC	8-Jun-2021	<0.0005	0.000027	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0804	<0.0001	-	0.137	106	<0.0005	<0.05	<0.0001	<0.0001	0.0185	0.000196	101	<0.0005	<0.0001	0.00264	<0.01
MP-EFF-DC	9-Jun-2021	<0.0005	0.000029	<0.0001	<0.005	<0.001	0.000021	<0.001	0.0955	<0.0001	-	0.109	99.6	<0.0005	0.0517	<0.0001	<0.0001	0.0206	0.000381	108	<0.0005	0.00021	0.00284	<0.01
MP-EFF-DC	10-Jun-2021	<0.0005	0.000026	<0.0001	<0.005	<0.001	0.000021	<0.001	0.0899	<0.0001	-	0.113	104	<0.0005	<0.05	<0.0001	<0.0001	0.0197	0.000358	105	0.00055	0.00022	0.00334	0.154
MP-EFF-DC	11-Jun-2021	<0.0005	0.000025	<0.0001	<0.005	<0.001	0.000023	<0.001	0.129	<0.0001	-	0.0987	99.8	<0.0005	<0.05	<0.0001	<0.0001	0.0216	0.000338	101	<0.0005	0.00023	0.00335	<0.01
MP-EFF-DC	12-Jun-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0593	<0.0001	-	0.105	96	<0.0005	<0.05	<0.0001	<0.0001	0.0235	0.000342	98.7	<0.0005	0.00018	0.00298	<0.01
MP-EFF-DC	13-Jun-2021	<0.0005	0.000033	<0.0001	<0.005	<0.001	0.000022	<0.001	0.113	<0.0001	-	0.123	96.8	<0.0005	<0.05	<0.0001	<0.0001	0.025	0.000349	98.3	<0.0005	0.00014	0.00345	0.014
MP-EFF-DC	14-Jun-2021	<0.0005	0.000023	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.124	<0.0001	-	0.126	87.7	<0.0005	<0.05	<0.0001	<0.0001	0.0222	0.000267	91	<0.0005	0.00011	0.00424	<0.01
MP-EFF-DC	15-Jun-2021	-	-	-	-	-	-	-	0.0748	-	-	-	-	-	-	-	-	-	0.000341	-	-	-	0.00222	-
MP-EFF-DC	16-Jun-2021	-	-	-	-	-	-	-	0.0735	-	-	-	-	-	-	-	-	-	0.000356	-	-	-	0.00132	-
MP-EFF-DC	17-Jun-2021	-	-	-	-	-	-	-	0.109	-	-	-	-	-	-	-	-	-	0.000528	-	-	-	0.00223	-
MP-EFF-DC	18-Jun-2021	-	-	-	-	-	-	-	0.106	-	-	-	-	-	-	-	-	-	0.000523	-	-	-	0.00277	-
MP-EFF-DC	19-Jun-2021	-	-	-	-	-	-	-	0.0925	-	-	-	-	-	-	-	-	-	0.000411	-	-	-	0.00224	-
MP-EFF-DC	20-Jun-2021	-	-	-	-	-	-	-	0.0851	-	-	-	-	-	-	-	-	-	0.000376	-	-	-	0.00227	-
MP-EFF-DC	21-Jun-2021	-	-	-	-	-	-	-	0.0962	-	-	-	-	-	-	-	-	-	0.000396	-	-	-	0.0037	-
MP-EFF-DC	22-Jun-2021	-	-	-	-	-	-	-	0.0924	-	-	-	-	-	-	-	-	-	0.000355	-	-	-	0.00573	-

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MP-EFF-DC	5-May-2021	<0.05	0.00263	9.54	0.0216	0.00739	0.00053	0.00024	5.68	0.0108	0.00167	2.5	0.382	<0.0002	<0.00005	14.2	0.0105	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	6-May-2021	<0.05	0.00266	10.7	0.033	0.00613	0.00049	<0.0002	5.06	0.0103	0.00129	2.7	0.379	<0.0002	<0.00005	12.3	0.00958	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	7-May-2021	<0.05	0.0027	10.6	0.0214	0.00507	<0.0004	0.0002	4.77	0.00901	0.00141	2.4	0.378	0.00034	<0.00005	11.7	0.00857	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	8-May-2021	<0.05	0.00277	10.4	0.0128	0.00469	0.00061	0.00032	4.53	0.00841	0.00145	2.8	0.399	<0.0002	<0.00005	11.4	0.00817	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	9-May-2021	<0.05	0.00269	9.83	0.014	0.00596	<0.0004	<0.0002	5.78	0.0113	0.0015	2.9	0.399	<0.0002	<0.00005	11.4	0.0115	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	10-May-2021	<0.05	0.00274	9.54	0.0155	0.00647	<0.0004	<0.0002	6.47	0.014	0.00208	2.7	0.393	<0.0002	<0.00005	11.4	0.0133	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	11-May-2021	<0.05	0.00305	10.3	0.0216	0.00672	<0.0004	<0.0002	7.05	0.0133	0.0023	2.6	0.415	<0.0002	<0.00005	13.3	0.0135	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	12-May-2021	<0.05	0.00318	11.3	0.0408	0.00706	0.00061	0.00026	7.01	0.0121	0.00148	2.7	0.43	<0.0002	<0.00005	14.5	0.0115	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	13-May-2021	<0.05	0.00311	11.7	0.036	0.00634	0.00057	0.00023	6.25	0.00956	0.00157	2.7	0.407	<0.0002	<0.00005	14	0.0092	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023
MP-EFF-DC	14-May-2021	<0.05	0.0029	10.7	0.0282	0.00816	0.00056	0.00025	7.13	0.00951	0.00243	2.7	0.398	<0.0002	<0.00005	14.6	0.00879	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	15-May-2021	<0.05	0.00274	9.76	0.0222	0.0102	0.00053	0.00022	7.74	0.00931	0.0048	2.3	0.389	<0.0002	<0.00005	15.3	0.00841	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	16-May-2021	<0.05	0.00259	9.64	0.0245	0.0119	0.00055	0.00022	8.2	0.00815	0.00591	2.5	0.387	<0.0002	<0.00005	16.3	0.00795	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022
MP-EFF-DC	17-May-2021	<0.05	0.00262	9.22	0.0204	0.0119	0.0004	0.00026	8.15	0.00755	0.00797	2.8	0.372	<0.0002	<0.00005	15.8	0.00708	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022
MP-EFF-DC	18-May-2021	<0.05	0.00264	10.3	0.0383	0.0103	0.00047	0.00042	7.2	0.00596	0.00662	2.6	0.374	<0.0002	0.000055	14.5	0.00571	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026
MP-EFF-DC	19-May-2021	0.021	0.00242	8.79	0.0339	0.00873	0.000458	0.000247	6.65	0.00535	0.00368	2.61	0.41	<0.00005	0.000023	12.6	0.0049	<0.00005	0.0000135	<0.00001	<0.0002	0.0006	0.0000237
MP-EFF-DC	20-May-2021	0.017	0.00252	8.89	0.0295	0.0102	0.000391	0.0002	7.48	0.00627	0.00446	2.67	0.42	<0.00005	0.000029	13.2	0.00617	<0.00005	0.0000145	<0.00001	<0.0002	0.00067	0.0000195
MP-EFF-DC	21-May-2021	0.016	0.00259	8.94	0.0258	0.00992	0.000319	0.000159	7.36	0.00695	0.00395	2.6	0.412	<0.00005	0.000028	13	0.00662	<0.00005	0.0000145	<0.00001	<0.0002	0.00067	0.0000178
MP-EFF-DC	22-May-2021	0.015	0.00271	7.78	0.0223	0.0116	0.000392	0.000074	8.27	0.00863	0.00458	2.73	0.408	<0.00005	0.000054	14.2	0.00815	<0.00005	0.0000153	<0.00001	<0.0002	0.00078	0.0000174
MP-EFF-DC	23-May-2021	0.014	0.00264	7.22	0.0214	0.0126	0.000359	0.000094	8.72	0.00938	0.00491	2.54	0.423	<0.00005	0.000052	14.8	0.00855	<0.00005	0.0000145	<0.00001	<0.0002	0.00086	0.0000163
MP-EFF-DC	24-May-2021	0.016	0.00264	7.48	0.024	0.0128	0.000323	0.000105	8.42	0.0088	0.00503	2.7	0.441	<0.00005	0.000042	14.7	0.00827	0.00005	0.0000165	<0.00001	<0.0002	0.00083	0.0000163
MP-EFF-DC	25-May-2021	0.014	0.00262	8.28	0.0235	0.0118	0.00026	0.000089	8.77	0.00931	0.00548	2.68	0.442	<0.00005	0.000051	14.1	0.00872	<0.00005	0.0000157	<0.00001	0.00026	0.00072	0.0000177
MP-EFF-DC	26-May-2021	0.017	0.00272	8.67	0.0173	0.00975	0.000293	0.000072	7.5	0.00867	0.00502	2.77	0.44	<0.00005	0.000053	13.1	0.00833	<0.00005	0.0000153	<0.00001	<0.0002	0.00058	0.000016
MP-EFF-DC	27-May-2021	<0.05	0.00295	9.34	0.0297	0.00846	0.0007	0.0004	6.94	0.00907	0.00364	2.4	0.369	<0.0002	0.000054	13.2	0.00821	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	28-May-2021	<0.05	0.00264	8.21	0.0239	0.00582	<0.0004	0.00031	6.42	0.00617	0.00225	2.2	0.371	<0.0002	<0.00005	12.3	0.005	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	29-May-2021	<0.05	0.00327	10.5	0.0287	0.00538	0.00497	0.00026	6.64	0.00461	0.0024	2.7	0.43	<0.0002	<0.00005	13.2	0.00445	<0.0005	0.000021	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	30-May-2021	<0.05	0.00335	11.1	0.0228	0.00692	<0.0004	0.00024	6.67	0.00562	0.00346	2.6	0.447	<0.0002	<0.00005	14.1	0.00521	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002
MP-EFF-DC	31-May-2021	<0.05	0.00343	10.4	0.0184	0.00996	<0.0004	<0.0002	7.53	0.00764	0.00521	2.9	0.442	<0.0002	<0.00005	16.3	0.00747	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002
MP-EFF-DC	1-Jun-2021	<0.05	0.00329	9.68	0.0355	0.0106	0.00115	0.00068	8.03	0.00851	0.00382	2.8	0.436	<0.0002	<0.00005	24.2	0.00823	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00003
MP-EFF-DC	2-Jun-2021	<0.05	0.00332	8.72	0.0224	0.0102	0.00048	<0.0002	7.59	0.00857	0.00471	3	0.44	<0.0002	<0.00005	28.4	0.00831	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00003
MP-EFF-DC	3-Jun-2021	<0.05	0.00435	8.96	0.0211	0.00921	0.00055	0.00049	7.16	0.0063	0.00241	2.4	0.489	<0.0002	<0.00005	29.3	0.00658	<0.0005	0.000141	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	4-Jun-2021	<0.05	0.00448	9.81	0.0238	0.00542	0.00064	0.00032	4.81	0.00382	0.00182	1.8	0.474	<0.0002	<0.00005	22.5	0.00397	<0.0005	0.000179	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	5-Jun-2021	<0.05	0.00355	10.5	0.0168	0.00293	<0.0004	<0.0002	2.88	0.00302	0.00131	1.9	0.418	<0.0002	<0.00005	14.8	0.00212	<0.0005	0.000092	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	6-Jun-2021	<0.05	0.00323	11.3	0.0145	0.00157	<0.0004	<0.0002	2.05	0.00121	0.00072	2.5	0.401	<0.0002	<0.00005	11.4	0.00114	<0.0005	0.00005	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	7-Jun-2021	0.064	0.00328	11.8	0.0145	0.00122	0.00059	<0.0002	1.77	0.00089	0.00066	2.4	0.416	<0.0002	<0.00005	10.3	0.00076	<0.0005	0.000031	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	8-Jun-2021	<0.05	0.00306	11.8	0.0159	0.00105	<0.0004	<0.0002	1.68	0.00083	0.00067	2.6	0.418	<0.0002	<0.00005	10	0.00074	<0.0005	0.000029	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	9-Jun-2021	<0.05	0.00346	12.7	0.0756	0.0011	0.00134	0.00038	1.69	0.00088	0.00082	2.7	0.42	<0.0002	<0.00005	9.78	0.00085	<0.0005	0.000029	<0.0001	<0.005	<0.001	0.000023
MP-EFF-DC	10-Jun-2021	<0.05	0.0035	13.6	0.0785	0.00112	0.00149	0.00029	1.75	0.00082	0.00081	2.6	0.416	0.00052	<0.00005	10.1	0.00087	<0.0005	0.000033	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	11-Jun-2021	<0.05	0.00323	13.5	0.0814	0.00093	0.001	0.00034	1.57	0.00471	0.00074	2.7	0.391	<0.0002	<0.00005	9.25	0.00079	<0.0005	0.000027	<0.0001	<0.005	<0.001	0.000022
MP-EFF-DC	12-Jun-2021	0.062	0.00313	13.1	0.058	0.0007	0.00073	0.00046	1.4	0.00027	0.00068	2.7	0.378	<0.0002	<0.00005	8.75	0.00061	<0.0005	0.000025	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	13-Jun-2021	<0.05	0.00302	12.8	0.0506	0.00071	0.00074	0.00035	1.41	0.00065	0.0009	2.6	0.375	<0.0002	<0.00005	8.8	0.00058	<0.0005	0.000028	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	14-Jun-2021	<0.05	0.00287	11.9	0.0424	0.00055	0.00079	0.00029	1.34	0.00052	0.00098	2.3	0.347	<0.0002	<0.00005	8.45	0.0005	<0.0005	0.000026	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	15-Jun-2021	-	-	-	-	-	-	0.000162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	16-Jun-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	17-Jun-2021	-	-	-	-	-	-	0.000111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	18-Jun-2021	-	-	-	-	-	-	0.000097	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	19-Jun-2021	-	-	-	-	-	-	0.000105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	20-Jun-2021	-	-	-	-	-	-	0.000115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	21-Jun-2021	-	-	-	-	-	-	0.000144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	22-Jun-2021	-	-	-	-	-	-	0.000175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MP-EFF-DC	5-May-2021	0.0011	0.064	<0.0001	-	-	-	-	-
MP-EFF-DC	6-May-2021	<0.001	0.0654	<0.0001	-	-	-	-	-
MP-EFF-DC	7-May-2021	0.001	0.0332	<0.0001	-	-	-	-	-
MP-EFF-DC	8-May-2021	0.0011	0.0325	<0.0001	-	-	-	-	-
MP-EFF-DC	9-May-2021	0.001	0.0357	<0.0001	-	-	-	-	-
MP-EFF-DC	10-May-2021	0.0012	0.0254	<0.0001	-	-	-	-	-
MP-EFF-DC	11-May-2021	0.0012	0.0328	<0.0001	-	-	-	-	-
MP-EFF-DC	12-May-2021	0.0011	0.0626	<0.0001	-	-	-	-	-
MP-EFF-DC	13-May-2021	<0.001	0.0638	<0.0001	-	-	-	-	-
MP-EFF-DC	14-May-2021	0.001	0.0524	<0.0001	-	-	-	-	-
MP-EFF-DC	15-May-2021	0.0013	0.0475	<0.0001	-	-	-	-	-
MP-EFF-DC	16-May-2021	0.0013	0.0598	<0.0001	-	-	-	-	-
MP-EFF-DC	17-May-2021	0.0015	0.0376	<0.0001	-	-	-	-	-
MP-EFF-DC	18-May-2021	0.0015	0.0567	<0.0001	-	-	-	-	-
MP-EFF-DC	19-May-2021	0.00055	0.0608	<0.00002	-	-	-	-	-
MP-EFF-DC	20-May-2021	0.00052	0.0491	<0.00002	-	-	-	-	-
MP-EFF-DC	21-May-2021	0.00054	0.0417	<0.00002	-	-	-	-	-
MP-EFF-DC	22-May-2021	0.00063	0.0392	<0.00002	-	-	-	-	-
MP-EFF-DC	23-May-2021	0.00073	0.0423	<0.00002	-	-	-	-	-
MP-EFF-DC	24-May-2021	0.00088	0.034	<0.00002	-	-	-	-	-
MP-EFF-DC	25-May-2021	0.00089	0.0284	<0.00002	-	-	-	-	-
MP-EFF-DC	26-May-2021	0.0008	0.024	<0.00002	-	-	-	-	-
MP-EFF-DC	27-May-2021	<0.001	0.052	<0.0001	-	-	-	-	-
MP-EFF-DC	28-May-2021	<0.001	0.0472	<0.0001	-	-	-	-	-
MP-EFF-DC	29-May-2021	<0.001	0.0534	<0.0001	-	-	-	-	-
MP-EFF-DC	30-May-2021	<0.001	0.0454	<0.0001	-	-	-	-	-
MP-EFF-DC	31-May-2021	<0.001	0.0218	<0.0001	-	-	-	-	-
MP-EFF-DC	1-Jun-2021	<0.001	0.0927	<0.0001	-	-	-	-	-
MP-EFF-DC	2-Jun-2021	<0.001	0.0542	<0.0001	-	-	-	-	-
MP-EFF-DC	3-Jun-2021	<0.001	0.0916	<0.0001	-	-	-	-	-
MP-EFF-DC	4-Jun-2021	<0.001	0.0912	<0.0001	-	-	-	-	-
MP-EFF-DC	5-Jun-2021	<0.001	0.056	<0.0001	-	-	-	-	-
MP-EFF-DC	6-Jun-2021	<0.001	0.0407	<0.0001	-	-	-	-	-
MP-EFF-DC	7-Jun-2021	<0.001	0.0382	<0.0001	-	-	-	-	-
MP-EFF-DC	8-Jun-2021	<0.001	0.0367	<0.0001	-	-	-	-	-
MP-EFF-DC	9-Jun-2021	<0.001	0.088	<0.0001	-	-	-	-	-
MP-EFF-DC	10-Jun-2021	<0.001	0.0745	<0.0001	-	-	-	-	-
MP-EFF-DC	11-Jun-2021	<0.001	0.0782	<0.0001	-	-	-	-	-
MP-EFF-DC	12-Jun-2021	<0.001	0.0664	<0.0001	-	-	-	-	-
MP-EFF-DC	13-Jun-2021	<0.001	0.0715	<0.0001	-	-	-	-	-
MP-EFF-DC	14-Jun-2021	<0.001	0.068	<0.0001	-	-	-	-	-
MP-EFF-DC	15-Jun-2021	-	0.0575	-	-	-	-	-	-
MP-EFF-DC	16-Jun-2021	-	0.0534	-	-	-	-	-	-
MP-EFF-DC	17-Jun-2021	-	0.0856	-	-	-	-	-	-
MP-EFF-DC	18-Jun-2021	-	0.0772	-	-	-	-	-	-
MP-EFF-DC	19-Jun-2021	-	0.0654	-	-	-	-	-	-
MP-EFF-DC	20-Jun-2021	-	0.0628	-	-	-	-	-	-
MP-EFF-DC	21-Jun-2021	-	0.0719	-	-	-	-	-	-
MP-EFF-DC	22-Jun-2021	-	0.067	-	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21G0056	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	23-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0056	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	24-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0056	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	25-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0056	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	26-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0056	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	27-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0056	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	28-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0056	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	29-Jun-2021	-	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	30-Jun-2021	6.7	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	1-Jul-2021	6.63	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	2-Jul-2021	6.7	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	3-Jul-2021	6.58	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	4-Jul-2021	6.62	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	5-Jul-2021	6.72	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	6-Jul-2021	6.88	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	7-Jul-2021	7	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	8-Jul-2021	6.93	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	9-Jul-2021	6.84	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	10-Jul-2021	6.8	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	11-Jul-2021	6.69	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	12-Jul-2021	6.77	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	13-Jul-2021	6.8	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	14-Jul-2021	6.93	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	15-Jul-2021	6.82	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	16-Jul-2021	6.96	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	17-Jul-2021	7.08	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	18-Jul-2021	6.99	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	19-Jul-2021	7.12	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	20-Jul-2021	7.6	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	21-Jul-2021	6.75	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	22-Jul-2021	6.66	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	23-Jul-2021	6.79	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	24-Jul-2021	6.9	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	25-Jul-2021	7	-	-	-	-	-	-	-	-	-
21G0056	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	26-Jul-2021	7.16	-	-	-	-	-	-	-	-	-
21H0416	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	27-Jul-2021	-	-	-	348	-	-	-	-	-	-
21H0416	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	28-Jul-2021	-	-	-	348	-	-	-	-	-	-
21H0416	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	29-Jul-2021	-	-	-	349	-	-	-	-	-	-
21H0416	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	30-Jul-2021	-	-	-	352	-	-	-	-	-	-
21H0416	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	31-Jul-2021	-	-	-	337	-	-	-	-	-	-
21H0416	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	2-Aug-2021	-	-	-	350	-	-	-	-	-	-
21H0416	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	3-Aug-2021	-	-	-	342	-	-	-	-	-	-
21H0416	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	4-Aug-2021	6.66	-	-	-	-	-	-	-	-	-
21H0416	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	5-Aug-2021	6.57	-	-	-	-	-	-	-	-	-
21H0416	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	6-Aug-2021	6.65	-	-	-	-	-	-	-	-	-
21H0416	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	7-Aug-2021	6.83	-	-	-	-	-	-	-	-	-
21H0416	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	8-Aug-2021	6.93	-	-	-	-	-	-	-	-	-
21H0416	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	9-Aug-2021	6.97	-	-	-	-	-	-	-	-	-
21H0416	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	10-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H0416	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	11-Aug-2021	6.77	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MP-EFF-DC	23-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0685	108	0.00062	0.0685	0.0247
MP-EFF-DC	24-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.206	114	0.00095	0.0707	0.0368
MP-EFF-DC	25-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.115	107	0.00079	0.0674	0.027
MP-EFF-DC	26-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.118	104	0.00077	0.0659	0.0295
MP-EFF-DC	27-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.128	103	0.00099	0.0687	0.0291
MP-EFF-DC	28-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.159	106	0.0008	0.0654	0.028
MP-EFF-DC	29-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.26	113	0.00105	0.0671	0.0287
MP-EFF-DC	30-Jun-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	1-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	2-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	4-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	6-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	7-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	8-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	9-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	10-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	11-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	12-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	13-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	14-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	15-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	16-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	17-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	18-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	19-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	20-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	21-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	22-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	23-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	24-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	25-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	26-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	27-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0544	118	0.00076	0.0581	0.0253
MP-EFF-DC	28-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0619	119	0.00066	0.0538	0.0244
MP-EFF-DC	29-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0551	122	0.00072	0.0576	0.0315
MP-EFF-DC	30-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0935	120	0.00069	0.0559	0.0243
MP-EFF-DC	31-Jul-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.173	120	0.00068	0.0555	0.028
MP-EFF-DC	2-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.166	120	0.00072	0.0599	0.0283
MP-EFF-DC	3-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.237	124	0.00074	0.0763	0.0457
MP-EFF-DC	4-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	6-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	7-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	8-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	9-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	10-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	11-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MP-EFF-DC	23-Jun-2021	<0.0001	<0.0001	0.000402	105	<0.0005	0.0002	0.00661	0.015	<0.05	0.00323	11.5	0.0484	0.0126	0.00048	0.00108	8.69	0.00223	<0.0002	2.8	<0.00005	17.1	0.425
MP-EFF-DC	24-Jun-2021	<0.0001	<0.0001	0.000488	109	<0.0005	0.00029	0.014	0.105	<0.05	0.0034	12	0.0581	0.0137	0.00059	0.00413	9.54	0.00345	<0.0002	2.9	<0.00005	18.3	0.436
MP-EFF-DC	25-Jun-2021	<0.0001	<0.0001	0.000523	107	<0.0005	0.00022	0.00664	0.014	<0.05	0.0031	11.3	0.0501	0.0138	0.00054	0.00052	9.21	0.00361	<0.0002	3.1	<0.00005	17.8	0.413
MP-EFF-DC	26-Jun-2021	<0.0001	<0.0001	0.000467	103	<0.0005	0.00021	0.00552	0.012	<0.05	0.00303	9.95	0.0519	0.0146	0.00053	0.00084	9.7	0.00434	<0.0002	2.9	<0.00005	17.8	0.396
MP-EFF-DC	27-Jun-2021	<0.0001	<0.0001	0.00037	107	<0.0005	0.00021	0.00675	<0.01	<0.05	0.00323	10.4	0.0493	0.0154	0.00062	0.00085	10.2	0.0044	<0.0002	3.4	<0.00005	18.4	0.423
MP-EFF-DC	28-Jun-2021	<0.0001	<0.0001	0.000281	108	<0.0005	0.00012	0.00621	0.012	<0.05	0.00331	10.6	0.0335	0.0132	<0.0004	0.00107	8.87	0.00513	0.00123	2.9	<0.00005	17.1	0.43
MP-EFF-DC	29-Jun-2021	<0.0001	<0.0001	0.000295	114	<0.0005	0.00022	0.0108	0.048	<0.05	0.00355	11.7	0.0396	0.0126	0.00049	0.00209	8.73	0.00462	<0.0002	2.9	<0.00005	16.3	0.456
MP-EFF-DC	30-Jun-2021	-	-	-	-	-	-	0.00458	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	1-Jul-2021	-	-	-	-	-	-	0.00672	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	2-Jul-2021	-	-	-	-	-	-	0.00472	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Jul-2021	-	-	-	-	-	-	0.00589	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	4-Jul-2021	-	-	-	-	-	-	0.00835	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Jul-2021	-	-	-	-	-	-	0.0107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	6-Jul-2021	-	-	-	-	-	-	0.00531	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	7-Jul-2021	-	-	-	-	-	-	0.00493	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	8-Jul-2021	-	-	-	-	-	-	0.00572	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	9-Jul-2021	-	-	-	-	-	-	0.00554	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	10-Jul-2021	-	-	-	-	-	-	0.00555	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	11-Jul-2021	-	-	-	-	-	-	0.00562	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	12-Jul-2021	-	-	-	-	-	-	0.00664	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	13-Jul-2021	-	-	-	-	-	-	0.00936	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	14-Jul-2021	-	-	-	-	-	-	0.00422	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	15-Jul-2021	-	-	-	-	-	-	0.00433	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	16-Jul-2021	-	-	-	-	-	-	0.00622	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	17-Jul-2021	-	-	-	-	-	-	0.00636	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	18-Jul-2021	-	-	-	-	-	-	0.00706	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	19-Jul-2021	-	-	-	-	-	-	0.00886	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	20-Jul-2021	-	-	-	-	-	-	0.0133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	21-Jul-2021	-	-	-	-	-	-	0.0047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	22-Jul-2021	-	-	-	-	-	-	0.00483	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	23-Jul-2021	-	-	-	-	-	-	0.00504	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	24-Jul-2021	-	-	-	-	-	-	0.00618	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	25-Jul-2021	-	-	-	-	-	-	0.00891	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	26-Jul-2021	-	-	-	-	-	-	0.0117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	27-Jul-2021	<0.0001	<0.0001	0.000276	112	<0.0005	0.00013	0.00462	<0.01	<0.05	0.00392	10.4	0.0298	0.0128	<0.0004	0.00042	7.34	0.00432	<0.0002	2.9	<0.00005	20.6	0.433
MP-EFF-DC	28-Jul-2021	<0.0001	<0.0001	0.00021	109	<0.0005	<0.0001	0.0049	<0.01	<0.05	0.00397	9.85	0.0269	0.0126	<0.0004	0.00038	7.08	0.00364	<0.0002	2.6	<0.00005	20.2	0.403
MP-EFF-DC	29-Jul-2021	<0.0001	<0.0001	0.000221	117	<0.0005	0.00014	0.00759	<0.01	<0.05	0.00432	10.4	0.0345	0.0125	<0.0004	0.00036	7.31	0.00434	<0.0002	2.7	<0.00005	21.1	0.411
MP-EFF-DC	30-Jul-2021	<0.0001	<0.0001	0.000221	112	<0.0005	0.00017	0.0062	<0.01	<0.05	0.00419	11.1	0.0457	0.0117	0.00043	0.00044	7.12	0.00381	<0.0002	2.8	<0.00005	20.4	0.391
MP-EFF-DC	31-Jul-2021	<0.0001	<0.0001	0.00022	108	<0.0005	0.00023	0.0105	0.088	0.073	0.00409	11.1	0.0516	0.0121	0.00062	0.00151	7.27	0.00352	<0.0002	2.7	<0.00005	20.2	0.383
MP-EFF-DC	2-Aug-2021	<0.0001	<0.0001	0.000359	105	<0.0005	0.00034	0.0125	0.055	<0.05	0.00404	10.5	0.0834	0.0132	0.00075	0.00116	7.87	0.00527	<0.0002	2.8	0.000204	20.7	0.365
MP-EFF-DC	3-Aug-2021	<0.0001	<0.0001	0.000284	128	<0.0005	0.0003	0.014	0.105	<0.05	0.00446	10.8	0.0468	0.0139	0.00078	0.00162	8.62	0.00533	0.00027	3.1	0.000134	22	0.442
MP-EFF-DC	4-Aug-2021	-	-	-	-	-	-	0.00573	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Aug-2021	-	-	-	-	-	-	0.00593	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	6-Aug-2021	-	-	-	-	-	-	0.0074	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	7-Aug-2021	-	-	-	-	-	-	0.00923	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	8-Aug-2021	-	-	-	-	-	-	0.00884	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	9-Aug-2021	-	-	-	-	-	-	0.0102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	10-Aug-2021	-	-	-	-	-	-	0.0113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	11-Aug-2021	-	-	-	-	-	-	0.00655	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MP-EFF-DC	23-Jun-2021	<0.0005	0.000035	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.114	<0.0001	-	0.0368	100	0.00067	0.0544	<0.0001	<0.0001	0.0233	0.000368	98.5	<0.0005	0.00021	0.00671	<0.01
MP-EFF-DC	24-Jun-2021	<0.0005	0.000029	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.151	<0.0001	-	0.038	98.8	0.00079	0.0515	<0.0001	<0.0001	0.0254	0.00047	95.2	<0.0005	0.00022	0.0071	<0.01
MP-EFF-DC	25-Jun-2021	<0.0005	0.000023	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.129	<0.0001	-	0.0463	96	0.00073	<0.05	<0.0001	<0.0001	0.0237	0.000358	89.6	<0.0005	0.00017	0.00524	<0.01
MP-EFF-DC	26-Jun-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.132	<0.0001	-	0.0349	81.7	0.00066	<0.05	<0.0001	<0.0001	0.0255	0.000407	85.7	<0.0005	0.00016	0.00447	<0.01
MP-EFF-DC	27-Jun-2021	<0.0005	0.000025	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.118	<0.0001	-	0.0475	85.5	0.00072	0.0511	<0.0001	<0.0001	0.0253	0.000387	88.9	<0.0005	0.00017	0.00481	<0.01
MP-EFF-DC	28-Jun-2021	<0.0005	0.000025	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0755	<0.0001	-	0.0773	94.7	0.00071	0.0505	<0.0001	<0.0001	0.024	0.000226	91.2	<0.0005	0.0001	0.0041	<0.01
MP-EFF-DC	29-Jun-2021	<0.0005	0.000025	<0.0001	<0.005	<0.001	0.000021	<0.001	0.176	<0.0001	-	0.0735	92.1	0.0008	0.0513	<0.0001	<0.0001	0.0246	0.000212	95.7	<0.0005	0.00013	0.00536	<0.01
MP-EFF-DC	30-Jun-2021	-	-	-	-	-	-	-	0.0936	-	-	-	-	-	-	-	-	-	0.00034	-	-	-	0.00397	-
MP-EFF-DC	1-Jul-2021	-	-	-	-	-	-	-	0.0804	-	-	-	-	-	-	-	-	-	0.000291	-	-	-	0.0041	-
MP-EFF-DC	2-Jul-2021	-	-	-	-	-	-	-	0.0798	-	-	-	-	-	-	-	-	-	0.000328	-	-	-	0.00404	-
MP-EFF-DC	3-Jul-2021	-	-	-	-	-	-	-	0.114	-	-	-	-	-	-	-	-	-	0.000403	-	-	-	0.00419	-
MP-EFF-DC	4-Jul-2021	-	-	-	-	-	-	-	0.182	-	-	-	-	-	-	-	-	-	0.000683	-	-	-	0.00454	-
MP-EFF-DC	5-Jul-2021	-	-	-	-	-	-	-	0.279	-	-	-	-	-	-	-	-	-	0.000991	-	-	-	0.00508	-
MP-EFF-DC	6-Jul-2021	-	-	-	-	-	-	-	0.208	-	-	-	-	-	-	-	-	-	0.000977	-	-	-	0.00496	-
MP-EFF-DC	7-Jul-2021	-	-	-	-	-	-	-	0.222	-	-	-	-	-	-	-	-	-	0.00118	-	-	-	0.00407	-
MP-EFF-DC	8-Jul-2021	-	-	-	-	-	-	-	0.26	-	-	-	-	-	-	-	-	-	0.0012	-	-	-	0.00467	-
MP-EFF-DC	9-Jul-2021	-	-	-	-	-	-	-	0.134	-	-	-	-	-	-	-	-	-	0.000652	-	-	-	0.00433	-
MP-EFF-DC	10-Jul-2021	-	-	-	-	-	-	-	0.0784	-	-	-	-	-	-	-	-	-	0.000362	-	-	-	0.00418	-
MP-EFF-DC	11-Jul-2021	-	-	-	-	-	-	-	0.06	-	-	-	-	-	-	-	-	-	0.000209	-	-	-	0.00412	-
MP-EFF-DC	12-Jul-2021	-	-	-	-	-	-	-	0.0643	-	-	-	-	-	-	-	-	-	0.000216	-	-	-	0.00428	-
MP-EFF-DC	13-Jul-2021	-	-	-	-	-	-	-	0.0893	-	-	-	-	-	-	-	-	-	0.000306	-	-	-	0.00468	-
MP-EFF-DC	14-Jul-2021	-	-	-	-	-	-	-	0.0587	-	-	-	-	-	-	-	-	-	0.000297	-	-	-	0.00343	-
MP-EFF-DC	15-Jul-2021	-	-	-	-	-	-	-	0.0467	-	-	-	-	-	-	-	-	-	0.000245	-	-	-	0.00344	-
MP-EFF-DC	16-Jul-2021	-	-	-	-	-	-	-	0.0586	-	-	-	-	-	-	-	-	-	0.00027	-	-	-	0.00488	-
MP-EFF-DC	17-Jul-2021	-	-	-	-	-	-	-	0.0544	-	-	-	-	-	-	-	-	-	0.000224	-	-	-	0.00449	-
MP-EFF-DC	18-Jul-2021	-	-	-	-	-	-	-	0.0379	-	-	-	-	-	-	-	-	-	0.000155	-	-	-	0.00483	-
MP-EFF-DC	19-Jul-2021	-	-	-	-	-	-	-	0.0687	-	-	-	-	-	-	-	-	-	0.000237	-	-	-	0.00522	-
MP-EFF-DC	20-Jul-2021	-	-	-	-	-	-	-	0.111	-	-	-	-	-	-	-	-	-	0.000297	-	-	-	0.00658	-
MP-EFF-DC	21-Jul-2021	-	-	-	-	-	-	-	0.0591	-	-	-	-	-	-	-	-	-	0.000279	-	-	-	0.00369	-
MP-EFF-DC	22-Jul-2021	-	-	-	-	-	-	-	0.0499	-	-	-	-	-	-	-	-	-	0.000214	-	-	-	0.00352	-
MP-EFF-DC	23-Jul-2021	-	-	-	-	-	-	-	0.0384	-	-	-	-	-	-	-	-	-	0.00019	-	-	-	0.00402	-
MP-EFF-DC	24-Jul-2021	-	-	-	-	-	-	-	0.0466	-	-	-	-	-	-	-	-	-	0.000207	-	-	-	0.00411	-
MP-EFF-DC	25-Jul-2021	-	-	-	-	-	-	-	0.059	-	-	-	-	-	-	-	-	-	0.000209	-	-	-	0.00457	-
MP-EFF-DC	26-Jul-2021	-	-	-	-	-	-	-	0.0664	-	-	-	-	-	-	-	-	-	0.000188	-	-	-	0.00516	-
MP-EFF-DC	27-Jul-2021	<0.0005	0.000025	<0.0001	<0.005	0.0011	<0.00002	<0.001	0.057	<0.0001	-	0.0366	125	0.00072	0.0571	<0.0001	<0.0001	0.0241	0.000303	121	<0.0005	0.00013	0.00345	<0.01
MP-EFF-DC	28-Jul-2021	0.00065	0.000024	<0.0001	<0.005	0.0012	<0.00002	<0.001	0.0432	<0.0001	-	0.0509	131	0.00073	0.054	<0.0001	<0.0001	0.0253	0.00024	121	<0.0005	0.00011	0.00398	<0.01
MP-EFF-DC	29-Jul-2021	<0.0005	0.000022	<0.0001	<0.005	0.0014	<0.00002	<0.001	0.0652	<0.0001	-	0.0367	123	0.00065	0.0551	<0.0001	<0.0001	0.0309	0.000227	122	<0.0005	0.00012	0.00631	<0.01
MP-EFF-DC	30-Jul-2021	0.00073	0.000021	<0.0001	<0.005	0.0014	0.000021	<0.001	0.0533	<0.0001	-	0.0712	122	0.00064	0.055	<0.0001	<0.0001	0.0247	0.000213	122	<0.0005	0.00016	0.00497	<0.01
MP-EFF-DC	31-Jul-2021	<0.0005	0.000021	<0.0001	<0.005	0.0014	<0.00002	<0.001	0.0599	<0.0001	-	0.0555	119	0.00056	0.0526	<0.0001	<0.0001	0.024	0.000241	117	0.00082	0.00024	0.00665	0.014
MP-EFF-DC	2-Aug-2021	<0.0005	0.000023	<0.0001	<0.005	0.0011	0.000023	<0.001	0.102	<0.0001	-	0.0735	126	0.00065	0.06	<0.0001	<0.0001	0.0266	0.000335	122	<0.0005	0.00033	0.00846	<0.01
MP-EFF-DC	3-Aug-2021	<0.0005	0.000025	<0.0001	<0.005	0.0012	0.000026	<0.001	0.0827	<0.0001	-	0.0969	130	0.00053	0.0612	<0.0001	<0.0001	0.0247	0.00028	119	<0.0005	0.00024	0.00934	<0.01
MP-EFF-DC	4-Aug-2021	-	-	-	-	-	-	-	0.0585	-	-	-	-	-	-	-	-	-	0.000228	-	-	-	0.00442	-
MP-EFF-DC	5-Aug-2021	-	-	-	-	-	-	-	0.0592	-	-	-	-	-	-	-	-	-	0.000229	-	-	-	0.0042	-
MP-EFF-DC	6-Aug-2021	-	-	-	-	-	-	-	0.0711	-	-	-	-	-	-	-	-	-	0.00024	-	-	-	0.00522	-
MP-EFF-DC	7-Aug-2021	-	-	-	-	-	-	-	0.0717	-	-	-	-	-	-	-	-	-	0.00025	-	-	-	0.00673	-
MP-EFF-DC	8-Aug-2021	-	-	-	-	-	-	-	0.075	-	-	-	-	-	-	-	-	-	0.000268	-	-	-	0.00616	-
MP-EFF-DC	9-Aug-2021	-	-	-	-	-	-	-	0.0843	-	-	-	-	-	-	-	-	-	0.000294	-	-	-	0.00685	-
MP-EFF-DC	10-Aug-2021	-	-	-	-	-	-	-	0.0711	-	-	-	-	-	-	-	-	-	0.000249	-	-	-	0.00735	-
MP-EFF-DC	11-Aug-2021	-	-	-	-	-	-	-	0.0687	-	-	-	-	-	-	-	-	-	0.000287	-	-	-	0.00372	-

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MP-EFF-DC	23-Jun-2021	<0.05	0.00323	9.94	0.0462	0.012	0.00057	0.00061	8.01	0.0104	0.00261	2.4	0.374	<0.0002	<0.00005	14.5	0.0104	<0.0005	0.000027	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	24-Jun-2021	<0.05	0.00313	9.81	0.0456	0.0127	0.00078	0.00057	8.34	0.0126	0.00256	2.6	0.362	<0.0002	<0.00005	14.7	0.0115	<0.0005	0.000024	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	25-Jun-2021	<0.05	0.00291	9.35	0.0456	0.0128	0.00042	0.00027	7.97	0.0131	0.00323	2.7	0.339	<0.0002	<0.00005	14.2	0.0119	<0.0005	0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	26-Jun-2021	<0.05	0.00273	8.12	0.0456	0.0132	0.0004	0.0004	8.33	0.0143	0.00421	2.5	0.333	<0.0002	<0.00005	14.2	0.0131	<0.0005	0.000021	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	27-Jun-2021	<0.05	0.00286	7.94	0.0414	0.0134	0.0005	0.00043	8.3	0.0158	0.00452	2.5	0.337	<0.0002	<0.00005	14.1	0.0137	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	28-Jun-2021	<0.05	0.00291	8.57	0.0287	0.0119	<0.0004	0.00038	7.57	0.0141	0.0049	2.7	0.349	<0.0002	<0.00005	13.7	0.0132	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	29-Jun-2021	<0.05	0.00313	9.2	0.0287	0.0117	0.00049	0.00032	7.17	0.0141	0.00823	2.4	0.374	<0.0002	<0.00005	12.8	0.013	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	30-Jun-2021	-	-	-	-	-	-	0.00049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	1-Jul-2021	-	-	-	-	-	-	0.000446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	2-Jul-2021	-	-	-	-	-	-	0.000388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Jul-2021	-	-	-	-	-	-	0.000556	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	4-Jul-2021	-	-	-	-	-	-	0.000443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Jul-2021	-	-	-	-	-	-	0.000269	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	6-Jul-2021	-	-	-	-	-	-	0.00049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	7-Jul-2021	-	-	-	-	-	-	0.00029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	8-Jul-2021	-	-	-	-	-	-	0.00032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	9-Jul-2021	-	-	-	-	-	-	0.00024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	10-Jul-2021	-	-	-	-	-	-	0.00026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	11-Jul-2021	-	-	-	-	-	-	0.00038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	12-Jul-2021	-	-	-	-	-	-	0.00053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	13-Jul-2021	-	-	-	-	-	-	0.00026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	14-Jul-2021	-	-	-	-	-	-	0.000236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	15-Jul-2021	-	-	-	-	-	-	0.00016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	16-Jul-2021	-	-	-	-	-	-	0.000164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	17-Jul-2021	-	-	-	-	-	-	0.000105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	18-Jul-2021	-	-	-	-	-	-	0.000099	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	19-Jul-2021	-	-	-	-	-	-	0.000102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	20-Jul-2021	-	-	-	-	-	-	0.000083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	21-Jul-2021	-	-	-	-	-	-	0.000213	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	22-Jul-2021	-	-	-	-	-	-	0.000194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	23-Jul-2021	-	-	-	-	-	-	0.000122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	24-Jul-2021	-	-	-	-	-	-	0.000097	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	25-Jul-2021	-	-	-	-	-	-	0.000096	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	26-Jul-2021	-	-	-	-	-	-	0.000084	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	27-Jul-2021	<0.05	0.00394	10.8	0.0289	0.0129	<0.0004	0.00026	7.48	0.00682	0.00482	2.9	0.458	<0.0002	<0.00005	21.1	0.00674	<0.0005	0.000026	<0.0001	<0.005	0.0011	<0.00002
MP-EFF-DC	28-Jul-2021	<0.05	0.00412	10.7	0.0275	0.0134	<0.0004	0.0003	7.54	0.00655	0.00482	3	0.45	0.00022	<0.00005	21.9	0.00681	<0.0005	0.000023	<0.0001	<0.005	0.0013	<0.00002
MP-EFF-DC	29-Jul-2021	<0.05	0.00425	10.5	0.0335	0.0125	<0.0004	0.00028	7.23	0.00661	0.00491	2.8	0.436	<0.0002	<0.00005	21	0.00643	<0.0005	0.000025	<0.0001	<0.005	0.0014	0.000021
MP-EFF-DC	30-Jul-2021	<0.05	0.00406	11.2	0.0453	0.0118	<0.0004	0.00026	7.12	0.0066	0.0038	2.7	0.428	<0.0002	<0.00005	20.5	0.00681	<0.0005	0.000027	<0.0001	<0.005	0.0014	0.000022
MP-EFF-DC	31-Jul-2021	<0.05	0.00401	11.1	0.0498	0.0115	0.00068	0.00048	7.14	0.00714	0.00418	2.9	0.406	<0.0002	<0.00005	20.1	0.00697	0.00071	0.000027	<0.0001	<0.005	0.0012	<0.00002
MP-EFF-DC	2-Aug-2021	<0.05	0.00402	11.1	0.0807	0.0135	0.00052	0.0002	8.18	0.0093	0.00509	3	0.405	<0.0002	0.000186	21.6	0.00927	0.00054	0.000024	<0.0001	<0.005	0.0011	0.000025
MP-EFF-DC	3-Aug-2021	<0.05	0.00406	10.8	0.0416	0.014	0.00048	0.0002	8.19	0.0102	0.00486	2.8	0.405	0.00021	0.000147	21.9	0.00946	<0.0005	0.000025	<0.0001	<0.005	0.0011	0.000024
MP-EFF-DC	4-Aug-2021	-	-	-	-	-	-	0.000301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Aug-2021	-	-	-	-	-	-	0.000226	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	6-Aug-2021	-	-	-	-	-	-	0.000148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	7-Aug-2021	-	-	-	-	-	-	0.000109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	8-Aug-2021	-	-	-	-	-	-	0.000163	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	9-Aug-2021	-	-	-	-	-	-	0.000149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	10-Aug-2021	-	-	-	-	-	-	0.000179	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	11-Aug-2021	-	-	-	-	-	-	0.00024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MP-EFF-DC	23-Jun-2021	<0.001	0.105	<0.0001	-	-	-	-	-
MP-EFF-DC	24-Jun-2021	<0.001	0.115	<0.0001	-	-	-	-	-
MP-EFF-DC	25-Jun-2021	<0.001	0.112	<0.0001	-	-	-	-	-
MP-EFF-DC	26-Jun-2021	<0.001	0.115	<0.0001	-	-	-	-	-
MP-EFF-DC	27-Jun-2021	<0.001	0.1	<0.0001	-	-	-	-	-
MP-EFF-DC	28-Jun-2021	<0.001	0.0625	<0.0001	-	-	-	-	-
MP-EFF-DC	29-Jun-2021	<0.001	0.0707	<0.0001	-	-	-	-	-
MP-EFF-DC	30-Jun-2021	-	0.0936	-	-	-	-	-	-
MP-EFF-DC	1-Jul-2021	-	0.0758	-	-	-	-	-	-
MP-EFF-DC	2-Jul-2021	-	0.0744	-	-	-	-	-	-
MP-EFF-DC	3-Jul-2021	-	0.103	-	-	-	-	-	-
MP-EFF-DC	4-Jul-2021	-	0.156	-	-	-	-	-	-
MP-EFF-DC	5-Jul-2021	-	0.231	-	-	-	-	-	-
MP-EFF-DC	6-Jul-2021	-	0.208	-	-	-	-	-	-
MP-EFF-DC	7-Jul-2021	-	0.217	-	-	-	-	-	-
MP-EFF-DC	8-Jul-2021	-	0.244	-	-	-	-	-	-
MP-EFF-DC	9-Jul-2021	-	0.133	-	-	-	-	-	-
MP-EFF-DC	10-Jul-2021	-	0.079	-	-	-	-	-	-
MP-EFF-DC	11-Jul-2021	-	0.0541	-	-	-	-	-	-
MP-EFF-DC	12-Jul-2021	-	0.0499	-	-	-	-	-	-
MP-EFF-DC	13-Jul-2021	-	0.0601	-	-	-	-	-	-
MP-EFF-DC	14-Jul-2021	-	0.0599	-	-	-	-	-	-
MP-EFF-DC	15-Jul-2021	-	0.0448	-	-	-	-	-	-
MP-EFF-DC	16-Jul-2021	-	0.0535	-	-	-	-	-	-
MP-EFF-DC	17-Jul-2021	-	0.0477	-	-	-	-	-	-
MP-EFF-DC	18-Jul-2021	-	0.0293	-	-	-	-	-	-
MP-EFF-DC	19-Jul-2021	-	0.0501	-	-	-	-	-	-
MP-EFF-DC	20-Jul-2021	-	0.0651	-	-	-	-	-	-
MP-EFF-DC	21-Jul-2021	-	0.0578	-	-	-	-	-	-
MP-EFF-DC	22-Jul-2021	-	0.0463	-	-	-	-	-	-
MP-EFF-DC	23-Jul-2021	-	0.0353	-	-	-	-	-	-
MP-EFF-DC	24-Jul-2021	-	0.0361	-	-	-	-	-	-
MP-EFF-DC	25-Jul-2021	-	0.035	-	-	-	-	-	-
MP-EFF-DC	26-Jul-2021	-	0.0281	-	-	-	-	-	-
MP-EFF-DC	27-Jul-2021	<0.001	0.0569	<0.0001	-	-	-	-	-
MP-EFF-DC	28-Jul-2021	<0.001	0.0461	<0.0001	-	-	-	-	-
MP-EFF-DC	29-Jul-2021	<0.001	0.0643	<0.0001	-	-	-	-	-
MP-EFF-DC	30-Jul-2021	<0.001	0.0506	<0.0001	-	-	-	-	-
MP-EFF-DC	31-Jul-2021	<0.001	0.0527	<0.0001	-	-	-	-	-
MP-EFF-DC	2-Aug-2021	<0.001	0.0884	<0.0001	-	-	-	-	-
MP-EFF-DC	3-Aug-2021	<0.001	0.0613	<0.0001	-	-	-	-	-
MP-EFF-DC	4-Aug-2021	-	0.0626	-	-	-	-	-	-
MP-EFF-DC	5-Aug-2021	-	0.0582	-	-	-	-	-	-
MP-EFF-DC	6-Aug-2021	-	0.064	-	-	-	-	-	-
MP-EFF-DC	7-Aug-2021	-	0.0633	-	-	-	-	-	-
MP-EFF-DC	8-Aug-2021	-	0.0616	-	-	-	-	-	-
MP-EFF-DC	9-Aug-2021	-	0.0666	-	-	-	-	-	-
MP-EFF-DC	10-Aug-2021	-	0.054	-	-	-	-	-	-
MP-EFF-DC	11-Aug-2021	-	0.0606	-	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21H0416	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	12-Aug-2021	6.59	-	-	-	-	-	-	-	-	-
21H0416	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	13-Aug-2021	6.62	-	-	-	-	-	-	-	-	-
21H0416	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	14-Aug-2021	6.71	-	-	-	-	-	-	-	-	-
21H0416	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	15-Aug-2021	6.8	-	-	-	-	-	-	-	-	-
21H0416	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	16-Aug-2021	6.88	-	-	-	-	-	-	-	-	-
21H2959	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	17-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2959	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	18-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2959	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	19-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2959	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	20-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2959	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	21-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2959	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	22-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2959	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	23-Aug-2021	-	-	-	-	-	-	-	-	-	-
21H2959	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	24-Aug-2021	7.41	-	-	-	-	-	-	-	-	-
21H2959	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	25-Aug-2021	7.43	-	-	-	-	-	-	-	-	-
21H2959	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	26-Aug-2021	7.6	-	-	-	-	-	-	-	-	-
21H2959	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	27-Aug-2021	7.31	-	-	-	-	-	-	-	-	-
21H2959	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	28-Aug-2021	7.32	-	-	-	-	-	-	-	-	-
21H2959	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	29-Aug-2021	7.03	-	-	-	-	-	-	-	-	-
21H2959	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	30-Aug-2021	7.24	-	-	-	-	-	-	-	-	-
21I1397	1	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	31-Aug-2021	-	-	-	-	-	-	-	-	-	-
21I1397	2	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	1-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1399	1	No	Regular	MP-EFF (B) DC	MP-EFF-DC	1-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1399	2	No	Regular	MP-EFF (B) DC	MP-EFF-DC	2-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1397	3	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	2-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1399	3	No	Regular	MP-EFF (B) DC	MP-EFF-DC	3-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1397	4	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	3-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1399	4	No	Regular	MP-EFF (B) DC	MP-EFF-DC	4-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1397	5	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	4-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1399	5	No	Regular	MP-EFF (B) DC	MP-EFF-DC	5-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1397	6	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	5-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1397	7	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	6-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I1399	6	No	Regular	MP-EFF (B) DC	MP-EFF-DC	6-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I2397	1	No	Regular	MP-EFF (B) DC	MP-EFF-DC	7-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I2397	2	No	Regular	MP-EFF (B) DC	MP-EFF-DC	8-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I2397	3	No	Regular	MP-EFF (B) DC	MP-EFF-DC	9-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I2397	4	No	Regular	MP-EFF (B) DC	MP-EFF-DC	10-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I2397	5	No	Regular	MP-EFF (B) DC	MP-EFF-DC	11-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I2397	6	No	Regular	MP-EFF (B) DC	MP-EFF-DC	12-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I2397	7	No	Regular	MP-EFF (B) DC	MP-EFF-DC	13-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I3574	1	No	Regular	MP-EFF (B) DC	MP-EFF-DC	14-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I3574	2	No	Regular	MP-EFF (B) DC	MP-EFF-DC	15-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I3574	3	No	Regular	MP-EFF (B) DC	MP-EFF-DC	16-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I3574	4	No	Regular	MP-EFF (B) DC	MP-EFF-DC	17-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I3574	5	No	Regular	MP-EFF (B) DC	MP-EFF-DC	18-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I3574	6	No	Regular	MP-EFF (B) DC	MP-EFF-DC	19-Sep-2021	-	-	-	-	-	-	-	-	-	-
21I3574	7	No	Regular	MP-EFF (B) DC	MP-EFF-DC	20-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J0453	1	No	Regular	MP-EFF (B) DC (E100666)	MP-EFF-DC	21-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J0453	2	No	Regular	MP-EFF (B) DC (E100666)	MP-EFF-DC	22-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J0453	3	No	Regular	MP-EFF (B) DC (E100666)	MP-EFF-DC	23-Sep-2021	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MP-EFF-DC	12-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	13-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	14-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	15-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	16-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	17-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0951	142	0.00103	0.101	0.0328
MP-EFF-DC	18-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0785	133	0.00075	0.0718	0.0275
MP-EFF-DC	19-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0857	144	0.00082	0.087	0.0291
MP-EFF-DC	20-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0713	148	0.00074	0.0813	0.0362
MP-EFF-DC	21-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0694	143	0.00058	0.072	0.0364
MP-EFF-DC	22-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0995	147	0.00052	0.0694	0.0254
MP-EFF-DC	23-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.147	150	0.00061	0.077	0.0309
MP-EFF-DC	24-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	25-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	26-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	27-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	28-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	29-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	30-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	31-Aug-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0656	136	0.00073	0.0728	0.0269
MP-EFF-DC	1-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0354	140	0.00123	0.0786	0.0297
MP-EFF-DC	1-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0994	146	0.00111	0.0771	0.0292
MP-EFF-DC	2-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0564	150	0.00142	0.0807	0.0309
MP-EFF-DC	2-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0519	141	0.00156	0.082	0.0278
MP-EFF-DC	3-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.156	146	0.00142	0.0835	0.0283
MP-EFF-DC	3-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0575	149	0.00157	0.0822	0.0458
MP-EFF-DC	4-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.118	144	0.00157	0.0813	0.0326
MP-EFF-DC	4-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0476	145	0.0017	0.0791	0.033
MP-EFF-DC	5-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.168	153	0.00159	0.0797	0.0303
MP-EFF-DC	5-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0882	152	0.00149	0.0798	0.0387
MP-EFF-DC	6-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.117	148	0.00144	0.0761	0.0321
MP-EFF-DC	6-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.174	155	0.00153	0.0783	0.0324
MP-EFF-DC	7-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.102	146	0.00152	0.0872	0.0349
MP-EFF-DC	8-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.191	142	0.00145	0.0839	0.0308
MP-EFF-DC	9-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.136	133	0.00098	0.0769	0.0271
MP-EFF-DC	10-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0878	131	0.00077	0.0722	0.0264
MP-EFF-DC	11-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.175	130	0.00085	0.0706	0.027
MP-EFF-DC	12-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.161	131	0.00101	0.0741	0.029
MP-EFF-DC	13-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.136	138	0.00089	0.0777	0.0278
MP-EFF-DC	14-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0259	115	0.00059	0.0521	0.0241
MP-EFF-DC	15-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.127	121	0.00054	0.0515	0.0228
MP-EFF-DC	16-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0707	115	<0.0005	<0.05	0.0219
MP-EFF-DC	17-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0786	127	0.00052	0.0523	0.0244
MP-EFF-DC	18-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	148	<0.0005	<0.05	0.0245
MP-EFF-DC	19-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.806	187	<0.0005	<0.05	0.0232
MP-EFF-DC	20-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.461	177	<0.0005	<0.05	0.0205
MP-EFF-DC	21-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.389	218	<0.0005	0.0917	0.0284
MP-EFF-DC	22-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.275	179	0.00051	0.0849	0.0259
MP-EFF-DC	23-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.204	182	0.00058	0.0854	0.0279

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MP-EFF-DC	12-Aug-2021	-	-	-	-	-	-	0.00568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	13-Aug-2021	-	-	-	-	-	-	0.00574	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	14-Aug-2021	-	-	-	-	-	-	0.00545	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	15-Aug-2021	-	-	-	-	-	-	0.0099	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	16-Aug-2021	-	-	-	-	-	-	0.016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	17-Aug-2021	<0.0001	<0.0001	0.000416	119	<0.0005	0.00031	0.00985	0.014	<0.05	0.00421	11.5	0.0884	0.0186	0.00114	0.00101	12.7	0.0064	<0.0002	3.6	<0.00005	25.5	0.451
MP-EFF-DC	18-Aug-2021	<0.0001	<0.0001	0.00034	119	<0.0005	0.00026	0.00778	0.01	<0.05	0.00385	10.6	0.0737	0.0165	0.00072	0.00059	11.6	0.00592	0.00099	3.2	0.000063	23.4	0.443
MP-EFF-DC	19-Aug-2021	<0.0001	<0.0001	0.000436	121	<0.0005	0.00039	0.0111	0.011	<0.05	0.00423	12.6	0.115	0.016	0.00118	0.00055	10.6	0.00433	<0.0002	3.4	0.000077	23.1	0.456
MP-EFF-DC	20-Aug-2021	<0.0001	<0.0001	0.0004	129	<0.0005	0.00038	0.00836	0.013	<0.05	0.00423	14	0.11	0.014	0.00112	0.00058	9.88	0.00428	<0.0002	3.5	0.000093	22.5	0.474
MP-EFF-DC	21-Aug-2021	<0.0001	<0.0001	0.000348	126	<0.0005	0.00036	0.00743	0.012	<0.05	0.0043	14.9	0.113	0.0108	0.00104	0.00039	8.16	0.00339	0.00022	3.3	0.000132	20.5	0.468
MP-EFF-DC	22-Aug-2021	<0.0001	<0.0001	0.000357	132	<0.0005	0.00025	0.00831	0.019	<0.05	0.00469	16.1	0.0704	0.00877	0.00083	0.00078	7.39	0.00278	<0.0002	3.5	0.000108	20.2	0.495
MP-EFF-DC	23-Aug-2021	<0.0001	<0.0001	0.000268	138	<0.0005	0.00022	0.00922	0.025	<0.05	0.00488	14.8	0.0526	0.0111	0.00062	0.00074	9.06	0.00305	<0.0002	3.6	0.000086	23.6	0.516
MP-EFF-DC	24-Aug-2021	-	-	-	-	-	-	0.00537	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	25-Aug-2021	-	-	-	-	-	-	0.00733	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	26-Aug-2021	-	-	-	-	-	-	0.00742	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	27-Aug-2021	-	-	-	-	-	-	0.00774	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	28-Aug-2021	-	-	-	-	-	-	0.00975	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	29-Aug-2021	-	-	-	-	-	-	0.00677	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	30-Aug-2021	-	-	-	-	-	-	0.00907	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	31-Aug-2021	<0.0001	<0.0001	0.000168	132	<0.0005	0.00013	0.00476	<0.01	<0.05	0.0051	9.5	0.0221	0.0109	<0.0004	0.00027	6.73	0.00204	<0.0002	3.2	<0.00005	20.7	0.533
MP-EFF-DC	1-Sep-2021	<0.0001	<0.0001	0.000249	129	<0.0005	0.0002	0.00632	<0.01	<0.05	0.00536	8.92	0.0358	0.0163	0.00043	0.00041	9.39	0.00325	<0.0002	3.2	<0.00005	24.6	0.503
MP-EFF-DC	1-Sep-2021	<0.0001	<0.0001	0.00035	135	<0.0005	0.0002	0.00758	<0.01	<0.05	0.00552	9.47	0.0385	0.015	0.00045	0.00057	8.92	0.0039	<0.0002	3.2	0.000154	24.4	0.519
MP-EFF-DC	2-Sep-2021	<0.0001	<0.0001	0.000205	132	<0.0005	0.00019	0.00733	<0.01	<0.05	0.00542	8.66	0.0347	0.0184	0.00043	0.00029	10.8	0.00556	<0.0002	3.2	0.000063	26.7	0.491
MP-EFF-DC	2-Sep-2021	<0.0001	<0.0001	0.000204	132	<0.0005	0.00017	0.00829	<0.01	<0.05	0.00552	8.53	0.0292	0.0185	0.00051	0.0006	11.1	0.00429	<0.0002	3.3	<0.00005	26.6	0.476
MP-EFF-DC	3-Sep-2021	<0.0001	<0.0001	0.000127	128	<0.0005	0.00013	0.00807	0.018	<0.05	0.0054	11.1	0.0211	0.017	<0.0004	0.00056	14.5	0.00603	<0.0002	3.3	0.000209	27.3	0.416
MP-EFF-DC	3-Sep-2021	<0.0001	<0.0001	0.000139	136	<0.0005	0.00027	0.00584	<0.01	<0.05	0.00563	8.34	0.0173	0.018	<0.0004	0.0003	10.8	0.00466	<0.0002	3.2	<0.00005	26.1	0.479
MP-EFF-DC	4-Sep-2021	<0.0001	<0.0001	0.000099	129	0.00054	0.00015	0.00658	0.056	<0.05	0.00525	10.3	0.0188	0.0164	<0.0004	0.00063	13.7	0.0062	<0.0002	3.2	0.000163	26.3	0.421
MP-EFF-DC	4-Sep-2021	<0.0001	<0.0001	0.000138	140	<0.0005	0.00016	0.00874	<0.01	<0.05	0.00555	7.94	0.0241	0.0179	<0.0004	0.00059	10.7	0.00498	<0.0002	3.3	<0.00005	26.3	0.482
MP-EFF-DC	5-Sep-2021	<0.0001	<0.0001	0.00015	140	0.00051	0.00011	0.0101	0.011	<0.05	0.00557	7.64	0.0197	0.0179	0.0004	0.00076	10.7	0.00622	<0.0002	3.2	0.000196	25.9	0.472
MP-EFF-DC	5-Sep-2021	<0.0001	<0.0001	0.000121	132	<0.0005	0.00012	0.00695	0.015	<0.05	0.00519	10.3	0.021	0.0171	<0.0004	0.0005	14.3	0.00685	<0.0002	3.3	0.000166	27.3	0.432
MP-EFF-DC	6-Sep-2021	<0.0001	<0.0001	0.00012	136	<0.0005	0.00012	0.00953	<0.01	<0.05	0.00537	7.78	0.0185	0.0189	0.00043	0.0007	10.6	0.00634	<0.0002	3.1	0.000173	26.4	0.493
MP-EFF-DC	6-Sep-2021	<0.0001	<0.0001	0.000084	137	<0.0005	0.0001	0.0114	0.011	<0.05	0.00537	7.84	0.0203	0.0189	<0.0004	0.00046	10.8	0.00724	<0.0002	3.2	0.000248	26.9	0.497
MP-EFF-DC	7-Sep-2021	<0.0001	<0.0001	0.000179	133	<0.0005	0.00011	0.0089	0.02	<0.05	0.00526	10.3	0.0183	0.0177	0.0017	0.00162	14.1	0.0077	<0.0002	3.4	0.000162	26.1	0.437
MP-EFF-DC	8-Sep-2021	<0.0001	<0.0001	0.000117	130	<0.0005	<0.0001	0.00748	0.016	<0.05	0.00501	10.9	0.0142	0.0168	0.00049	0.00047	13	0.00724	<0.0002	3.4	0.000143	25	0.442
MP-EFF-DC	9-Sep-2021	<0.0001	<0.0001	0.000122	124	<0.0005	0.0001	0.00595	0.011	<0.05	0.00468	11.4	0.0157	0.0133	0.00075	0.00028	9.98	0.00557	<0.0002	3.3	0.000106	22.2	0.435
MP-EFF-DC	10-Sep-2021	<0.0001	<0.0001	0.000164	126	<0.0005	0.0001	0.00596	<0.01	<0.05	0.00455	11.7	0.0213	0.0116	0.00054	0.00033	8.59	0.00381	<0.0002	3.3	0.000077	21.1	0.449
MP-EFF-DC	11-Sep-2021	<0.0001	<0.0001	0.000288	125	<0.0005	0.00019	0.00971	0.012	<0.05	0.00429	11.2	0.0394	0.0126	0.00071	0.00038	9.01	0.00344	<0.0002	3.6	0.000092	21.2	0.438
MP-EFF-DC	12-Sep-2021	<0.0001	<0.0001	0.000303	127	<0.0005	0.0002	0.00934	0.012	<0.05	0.00425	10.3	0.0416	0.0151	0.00087	0.00031	10.2	0.00385	<0.0002	3.4	0.000181	22.4	0.43
MP-EFF-DC	13-Sep-2021	<0.0001	<0.0001	0.000225	133	<0.0005	0.00022	0.0121	0.014	<0.05	0.0044	9.88	0.0359	0.0166	0.00076	0.00038	10.8	0.00439	<0.0002	3.5	0.000135	23.9	0.441
MP-EFF-DC	14-Sep-2021	<0.0001	<0.0001	0.000171	107	0.00135	0.00289	0.00614	0.024	<0.05	0.00303	8.46	0.025	0.0154	<0.0004	<0.0002	9.56	0.00374	<0.0002	2.7	<0.00005	19	0.348
MP-EFF-DC	15-Sep-2021	<0.0001	<0.0001	0.000168	105	<0.0005	0.00015	0.00793	<0.01	<0.05	0.00312	8.79	0.0187	0.0122	<0.0004	<0.0002	8.78	0.0031	<0.0002	2.8	0.00006	17.8	0.343
MP-EFF-DC	16-Sep-2021	<0.0001	<0.0001	0.000191	112	<0.0005	0.00013	0.00598	<0.01	<0.05	0.00346	10.2	0.0234	0.00856	<0.0004	0.00033	6.98	0.00322	<0.0002	2.8	<0.00005	16	0.359
MP-EFF-DC	17-Sep-2021	<0.0001	<0.0001	0.000415	118	<0.0005	0.00025	0.00779	0.019	<0.05	0.00357	11.9	0.0492	0.00915	0.00053	0.00078	7.74	0.0042	<0.0002	3.6	<0.00005	17.8	0.414
MP-EFF-DC	18-Sep-2021	<0.0001	<0.0001	0.000658	152	<0.0005	0.00021	0.00809	0.029	<0.05	0.00369	6.49	0.0446	0.00776	<0.0004	0.00081	8.43	0.00298	<0.0002	1.6	<0.00005	17.2	0.444
MP-EFF-DC	19-Sep-2021	<0.0001	<0.0001	0.000119	211	<0.0005	<0.0001	0.00503	<0.01	<0.05	0.00438	1.98	0.0238	0.00459	<0.0004	0.00023	7.42	0.0029	<0.0002	<1	<0.00005	15.4	0.542
MP-EFF-DC	20-Sep-2021	<0.0001	<0.0001	0.000302	199	<0.0005	0.00011	0.00592	0.012	<0.05	0.00464	4.61	0.0226	0.00331	<0.0004	0.00024	7.9	0.00228	<0.0002	<1	<0.00005	16.2	0.504
MP-EFF-DC	21-Sep-2021	<0.0001	<0.0001	0.000351	209	0.00055	0.00019	0.00943	0.015	<0.05	0.00543	9.05	0.0466	0.00436	0.00076	0.00028	10.6	0.00219	<0.0002	1.4	<0.00005	25.4	0.583
MP-EFF-DC	22-Sep-2021	<0.0001	<0.0001	0.00037	173	0.00065	0.00023	0.0103	0.012	<0.05	0.00465	10.5	0.0522	0.00676	0.00095	0.00022	10.5	0.003	<0.0002	2.5	0.000066	23.6	0.506
MP-EFF-DC	23-Sep-2021	<0.0001	<0.0001	0.000354	165	0.00054	0.0003	0.00941	0.018	<0.05	0.00437	12.4	0.0634	0.0123	0.00183	0.0004	11.6	0.00434	<0.0002	2.5	0.000151	25.2	0.55

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MP-EFF-DC	12-Aug-2021	-	-	-	-	-	-	-	0.0525	-	-	-	-	-	-	-	-	-	0.000203	-	-	-	0.0037	-
MP-EFF-DC	13-Aug-2021	-	-	-	-	-	-	-	0.0353	-	-	-	-	-	-	-	-	-	0.000135	-	-	-	0.0037	-
MP-EFF-DC	14-Aug-2021	-	-	-	-	-	-	-	0.0387	-	-	-	-	-	-	-	-	-	0.000139	-	-	-	0.00339	-
MP-EFF-DC	15-Aug-2021	-	-	-	-	-	-	-	0.103	-	-	-	-	-	-	-	-	-	0.000363	-	-	-	0.0057	-
MP-EFF-DC	16-Aug-2021	-	-	-	-	-	-	-	0.149	-	-	-	-	-	-	-	-	-	0.000396	-	-	-	0.00853	-
MP-EFF-DC	17-Aug-2021	<0.0005	0.000032	<0.0001	<0.005	0.0012	0.000034	<0.001	0.118	<0.0001	-	0.0251	125	0.00084	0.0809	<0.0001	<0.0001	0.0298	0.000373	118	<0.0005	0.00025	0.0062	<0.01
MP-EFF-DC	18-Aug-2021	<0.0005	0.000028	<0.0001	<0.005	0.001	0.00003	0.0013	0.0966	<0.0001	-	0.0286	132	0.00074	0.0811	<0.0001	<0.0001	0.028	0.000317	117	<0.0005	0.00026	0.00707	<0.01
MP-EFF-DC	19-Aug-2021	<0.0005	0.000038	<0.0001	<0.005	<0.001	0.000034	<0.001	0.112	<0.0001	-	0.0306	139	0.00064	0.0747	<0.0001	<0.0001	0.0283	0.000439	125	<0.0005	0.00037	0.00832	<0.01
MP-EFF-DC	20-Aug-2021	<0.0005	0.000047	<0.0001	<0.005	<0.001	0.000031	<0.001	0.1	<0.0001	-	0.0256	136	0.00057	0.0693	<0.0001	<0.0001	0.0328	0.000364	130	<0.0005	0.00034	0.00585	<0.01
MP-EFF-DC	21-Aug-2021	<0.0005	0.000048	<0.0001	<0.005	<0.001	0.000026	<0.001	0.0844	<0.0001	-	0.0219	136	<0.0005	0.0626	<0.0001	<0.0001	0.0332	0.00033	127	<0.0005	0.00032	0.00526	<0.01
MP-EFF-DC	22-Aug-2021	<0.0005	0.000051	<0.0001	<0.005	<0.001	0.000025	<0.001	0.0767	<0.0001	-	0.0394	141	<0.0005	0.0574	<0.0001	<0.0001	0.0238	0.000286	129	<0.0005	0.00021	0.00509	<0.01
MP-EFF-DC	23-Aug-2021	<0.0005	0.000056	<0.0001	<0.005	<0.001	0.000034	<0.001	0.0582	<0.0001	-	0.0928	149	0.00052	0.0646	<0.0001	<0.0001	0.0287	0.000215	137	<0.0005	0.00016	0.00559	<0.01
MP-EFF-DC	24-Aug-2021	-	-	-	-	-	-	-	0.0748	-	-	-	-	-	-	-	-	-	0.000267	-	-	-	0.00727	-
MP-EFF-DC	25-Aug-2021	-	-	-	-	-	-	-	0.0762	-	-	-	-	-	-	-	-	-	0.000259	-	-	-	0.00632	-
MP-EFF-DC	26-Aug-2021	-	-	-	-	-	-	-	0.0499	-	-	-	-	-	-	-	-	-	0.000247	-	-	-	0.00664	-
MP-EFF-DC	27-Aug-2021	-	-	-	-	-	-	-	0.0451	-	-	-	-	-	-	-	-	-	0.000196	-	-	-	0.0082	-
MP-EFF-DC	28-Aug-2021	-	-	-	-	-	-	-	0.0466	-	-	-	-	-	-	-	-	-	0.00017	-	-	-	0.00633	-
MP-EFF-DC	29-Aug-2021	-	-	-	-	-	-	-	0.0415	-	-	-	-	-	-	-	-	-	0.000165	-	-	-	0.0065	-
MP-EFF-DC	30-Aug-2021	-	-	-	-	-	-	-	0.0668	-	-	-	-	-	-	-	-	-	0.000166	-	-	-	0.0137	-
MP-EFF-DC	31-Aug-2021	<0.0005	0.000051	<0.0001	<0.005	<0.001	0.000027	<0.001	0.0455	<0.0001	-	0.0412	142	0.00064	0.0691	<0.0001	<0.0001	0.0272	0.000206	123	0.00054	0.00022	0.00727	0.016
MP-EFF-DC	1-Sep-2021	<0.0005	0.000048	<0.0001	<0.005	<0.001	0.000024	<0.001	0.0701	<0.0001	-	0.0285	144	0.00109	0.0751	<0.0001	<0.0001	0.0311	0.000263	123	<0.0005	0.00019	0.00514	0.036
MP-EFF-DC	1-Sep-2021	<0.0005	0.000046	<0.0001	<0.005	<0.001	0.000037	<0.001	0.065	<0.0001	-	<0.045	139	0.00103	0.0709	<0.0001	<0.0001	0.028	0.000249	123	<0.0005	0.00017	0.00609	<0.01
MP-EFF-DC	2-Sep-2021	<0.0005	0.000049	<0.0001	<0.005	0.0012	0.000028	<0.001	0.0484	<0.0001	-	<0.03	142	0.00137	0.0774	<0.0001	<0.0001	0.0295	0.000204	125	<0.0005	0.00015	0.00513	<0.01
MP-EFF-DC	2-Sep-2021	<0.0005	0.000046	<0.0001	<0.005	0.0011	0.000029	<0.001	0.0591	<0.0001	-	0.0363	153	0.0013	0.0809	<0.0001	<0.0001	0.0293	0.000217	125	<0.0005	0.00016	0.00703	<0.01
MP-EFF-DC	3-Sep-2021	<0.0005	0.000047	<0.0001	<0.005	0.0012	0.000034	<0.001	0.0252	<0.0001	-	0.0628	153	0.00135	0.0824	<0.0001	<0.0001	0.028	0.000138	129	<0.0005	0.00011	0.00659	<0.01
MP-EFF-DC	3-Sep-2021	<0.0005	0.000045	<0.0001	<0.005	0.0012	<0.00002	<0.001	0.0329	<0.0001	-	0.0573	147	0.00133	0.0782	<0.0001	<0.0001	0.0459	0.000123	126	<0.0005	0.0001	0.00475	<0.01
MP-EFF-DC	4-Sep-2021	<0.0005	0.000043	<0.0001	<0.005	0.0011	0.000029	<0.001	0.0197	<0.0001	-	0.0723	153	0.00145	0.0802	<0.0001	<0.0001	0.0305	0.000101	129	0.00092	0.00013	0.00521	<0.01
MP-EFF-DC	4-Sep-2021	<0.0005	0.000041	<0.0001	<0.005	0.001	<0.00002	<0.001	0.0442	<0.0001	-	0.0351	149	0.00147	0.0781	<0.0001	<0.0001	0.0337	0.000144	126	<0.0005	0.00013	0.00599	<0.01
MP-EFF-DC	5-Sep-2021	<0.0005	0.00004	<0.0001	<0.005	0.0011	0.000024	<0.001	0.0263	<0.0001	-	0.14	151	0.00151	0.0771	<0.0001	<0.0001	0.0299	0.000123	126	<0.0005	<0.0001	0.00698	<0.01
MP-EFF-DC	5-Sep-2021	<0.0005	0.000039	<0.0001	<0.005	0.0011	<0.00002	<0.001	0.0414	<0.0001	-	0.0393	151	0.0013	0.0761	<0.0001	<0.0001	0.0409	0.00014	125	<0.0005	0.00011	0.00556	<0.01
MP-EFF-DC	6-Sep-2021	<0.0005	0.000039	<0.0001	<0.005	0.0012	<0.00002	<0.001	0.0341	<0.0001	-	0.0574	146	0.00129	0.0792	<0.0001	<0.0001	0.03	0.000122	129	0.00058	<0.0001	0.00642	<0.01
MP-EFF-DC	6-Sep-2021	<0.0005	0.000042	<0.0001	<0.005	0.0012	0.000027	<0.001	0.0306	<0.0001	-	0.137	150	0.00125	0.0766	<0.0001	<0.0001	0.0314	0.000097	128	<0.0005	<0.0001	0.00832	<0.01
MP-EFF-DC	7-Sep-2021	<0.0005	0.000046	<0.0001	<0.005	0.0011	0.000032	<0.001	0.0336	<0.0001	-	0.0985	143	0.00143	0.0792	<0.0001	<0.0001	0.0309	0.000141	134	0.00062	0.00028	0.00802	0.014
MP-EFF-DC	8-Sep-2021	<0.0005	0.000038	<0.0001	<0.005	0.001	0.000028	<0.001	0.0217	<0.0001	-	0.145	143	0.00126	0.0767	<0.0001	<0.0001	0.0313	0.00013	135	<0.0005	<0.0001	0.00661	<0.01
MP-EFF-DC	9-Sep-2021	<0.0005	0.000039	<0.0001	<0.005	<0.001	0.000025	<0.001	0.0185	<0.0001	-	0.142	140	0.00098	0.0716	<0.0001	<0.0001	0.0263	0.00012	133	<0.0005	<0.0001	0.00572	<0.01
MP-EFF-DC	10-Sep-2021	<0.0005	0.000038	<0.0001	<0.005	<0.001	0.00003	<0.001	0.0487	<0.0001	-	0.0895	128	0.0008	0.0641	<0.0001	<0.0001	0.0233	0.000179	126	<0.0005	0.00011	0.00971	<0.01
MP-EFF-DC	11-Sep-2021	<0.0005	0.000042	<0.0001	<0.005	<0.001	0.000026	<0.001	0.0691	<0.0001	-	0.173	129	0.00081	0.0649	<0.0001	<0.0001	0.027	0.00031	131	<0.0005	0.00018	0.00722	<0.01
MP-EFF-DC	12-Sep-2021	<0.0005	0.000048	<0.0001	<0.005	0.0013	0.000031	<0.001	0.0592	<0.0001	-	0.125	103	0.00061	0.0525	<0.0001	<0.0001	0.021	0.000222	99.9	<0.0005	0.00014	0.0062	<0.01
MP-EFF-DC	13-Sep-2021	<0.0005	0.000048	<0.0001	<0.005	0.0014	0.000026	<0.001	0.0487	<0.0001	-	0.117	136	0.00083	0.0687	<0.0001	<0.0001	0.0255	0.000232	132	<0.0005	0.00017	0.0092	<0.01
MP-EFF-DC	14-Sep-2021	<0.0005	0.000038	<0.0001	<0.005	0.0015	<0.00002	<0.001	0.039	<0.0001	-	0.0602	123	0.00079	0.0588	<0.0001	<0.0001	0.0318	0.000181	117	0.00124	0.00022	0.0128	0.056
MP-EFF-DC	15-Sep-2021	<0.0005	0.000035	<0.0001	<0.005	0.0011	<0.00002	<0.001	0.0319	<0.0001	-	0.126	119	0.00066	0.0554	<0.0001	<0.0001	0.0216	0.000177	110	<0.0005	0.00013	0.00775	<0.01
MP-EFF-DC	16-Sep-2021	<0.0005	0.000037	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0413	<0.0001	-	0.0585	114	0.00052	<0.05	<0.0001	<0.0001	0.0195	0.000184	107	<0.0005	0.00012	0.0054	<0.01
MP-EFF-DC	17-Sep-2021	<0.0005	0.000042	<0.0001	<0.005	<0.001	0.000033	<0.001	0.0792	<0.0001	-	0.0514	119	0.00059	0.0546	<0.0001	<0.0001	0.0215	0.000368	114	<0.0005	0.0002	0.00551	<0.01
MP-EFF-DC	18-Sep-2021	<0.0005	0.000038	<0.0001	<0.005	<0.001	0.000023	<0.001	0.054	<0.0001	-	0.105	154	0.00053	0.0529	<0.0001	<0.0001	0.0233	0.00057	161	<0.0005	0.00017	0.00503	<0.01
MP-EFF-DC	19-Sep-2021	<0.0005	0.000041	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0145	<0.0001	-	0.596	191	<0.0005	<0.05	<0.0001	<0.0001	0.0223	0.000086	214	<0.0005	<0.0001	0.00336	<0.01
MP-EFF-DC	20-Sep-2021	<0.0005	0.000034	<0.0001	<0.005	<0.001	0.00002	<0.001	0.0262	<0.0001	-	0.133	160	<0.0005	<0.05	<0.0001	<0.0001	0.0179	0.000204	172	<0.0005	<0.0001	0.0034	<0.01
MP-EFF-DC	21-Sep-2021	<0.0005	0.000038	<0.0001	<0.005	<0.001	0.000032	<0.001	0.0823	0.0001	-	0.132	159	<0.0005	<0.05	<0.0001	<0.0001	0.0218	0.000261	163	<0.0005	0.00014	0.00555	<0.01
MP-EFF-DC	22-Sep-2021	<0.0005	0.000043	<0.0001	<0.005	<0.001	0.000032	<0.001	0.0641	<0.0001	-	0.133	148	<0.0005	<0.05	<0.0001	<0.0001	0.0304	0.000446	140	<0.0005	0.00018	0.00714	<0.01
MP-EFF-DC	23-Sep-2021	<0.0005	0.000041	<0.0001	<0.005	<0.001	0.00004	<0.001	0.0639	<0.0001	-	0.149	146	<0.0005	0.0558	<0.0001	<0.0001	0.0239	0.00026	136	<0.0005	0.00023	0.00801	<0.01

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MP-EFF-DC	12-Aug-2021	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	13-Aug-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	14-Aug-2021	-	-	-	-	-	-	0.00046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	15-Aug-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	16-Aug-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	17-Aug-2021	<0.05	0.00398	9.79	0.0714	0.0166	0.00117	0.00057	11	0.0156	0.00634	2.9	0.401	<0.0002	<0.00005	21.8	0.0134	<0.0005	0.000027	<0.0001	<0.005	0.001	0.00003
MP-EFF-DC	18-Aug-2021	<0.05	0.00402	10.5	0.0685	0.0165	0.00089	0.00033	11	0.0132	0.00581	3	0.42	<0.0002	<0.00005	22.6	0.0139	<0.0005	0.000029	<0.0001	<0.005	0.0011	0.000034
MP-EFF-DC	19-Aug-2021	<0.05	0.0041	12.2	0.108	0.0151	0.00121	0.00023	10.5	0.0119	0.00506	3.1	0.439	<0.0002	<0.00005	23	0.0115	<0.0005	0.000035	<0.0001	<0.005	<0.001	0.000032
MP-EFF-DC	20-Aug-2021	<0.05	0.00415	12.7	0.0961	0.0126	0.00108	0.00021	9.12	0.0105	0.00401	3	0.43	<0.0002	<0.00005	20.6	0.00958	<0.0005	0.000046	<0.0001	<0.005	<0.001	0.000029
MP-EFF-DC	21-Aug-2021	<0.05	0.00412	13.5	0.102	0.00979	0.00099	<0.0002	7.66	0.00801	0.00331	2.9	0.436	0.00027	0.000115	18.7	0.00732	<0.0005	0.00005	<0.0001	<0.005	<0.001	0.000024
MP-EFF-DC	22-Aug-2021	<0.05	0.00446	14.9	0.0604	0.00799	0.00072	<0.0002	7.05	0.00617	0.00264	3.1	0.466	<0.0002	0.000083	18.8	0.00568	<0.0005	0.00005	<0.0001	<0.005	<0.001	0.000024
MP-EFF-DC	23-Aug-2021	<0.05	0.00458	13.9	0.0445	0.01	0.00065	<0.0002	8.7	0.00784	0.00243	3.1	0.475	<0.0002	0.00008	22.4	0.00706	<0.0005	0.000049	<0.0001	<0.005	<0.001	0.000031
MP-EFF-DC	24-Aug-2021	-	-	-	-	-	-	0.00038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	25-Aug-2021	-	-	-	-	-	-	0.00046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	26-Aug-2021	-	-	-	-	-	-	0.00049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	27-Aug-2021	-	-	-	-	-	-	0.00134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	28-Aug-2021	-	-	-	-	-	-	0.00051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	29-Aug-2021	-	-	-	-	-	-	0.00043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	30-Aug-2021	-	-	-	-	-	-	0.00113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	31-Aug-2021	<0.05	0.0048	12.9	0.0205	0.0102	0.00155	0.00039	8.97	0.00897	0.00238	3.1	0.472	<0.0002	<0.00005	21.7	0.00825	<0.0005	0.000043	<0.0001	<0.005	<0.001	0.000026
MP-EFF-DC	1-Sep-2021	<0.05	0.00501	11.8	0.0419	0.0148	0.00074	0.00034	12.1	0.0144	0.00302	3.3	0.448	<0.0002	<0.00005	25.2	0.0132	<0.0005	0.000044	<0.0001	<0.005	<0.001	0.000026
MP-EFF-DC	1-Sep-2021	<0.05	0.00515	12	0.0356	0.0131	0.00073	0.00043	11	0.013	0.00391	3.1	0.443	<0.0002	0.000111	24.1	0.0114	<0.0005	0.000044	<0.0001	<0.005	<0.001	0.000036
MP-EFF-DC	2-Sep-2021	<0.05	0.00517	11	0.0324	0.0165	0.00049	0.0002	13.7	0.0179	0.0055	3.1	0.428	<0.0002	<0.00005	26.2	0.016	<0.0005	0.000043	<0.0001	<0.005	0.0012	0.000028
MP-EFF-DC	2-Sep-2021	<0.05	0.00526	11.3	0.0291	0.0171	0.00083	0.00068	14.6	0.0182	0.00507	3.3	0.437	<0.0002	<0.00005	27.6	0.0169	<0.0005	0.000045	<0.0001	<0.005	0.0012	0.00003
MP-EFF-DC	3-Sep-2021	<0.05	0.00541	11.2	0.0194	0.0175	0.00047	<0.0002	14.6	0.0174	0.00566	3.1	0.425	<0.0002	0.000211	27.5	0.0177	<0.0005	0.000046	<0.0001	<0.005	0.0012	0.000035
MP-EFF-DC	3-Sep-2021	<0.05	0.00513	10.8	0.0163	0.0165	0.00064	0.00035	13.9	0.0193	0.00551	3.1	0.421	<0.0002	<0.00005	25.8	0.0168	<0.0005	0.000041	<0.0001	<0.005	0.0011	<0.00002
MP-EFF-DC	4-Sep-2021	<0.05	0.00525	10.4	0.0157	0.0161	0.00045	<0.0002	14.1	0.0178	0.00612	3.2	0.418	<0.0002	0.000158	26.8	0.0176	<0.0005	0.000043	<0.0001	<0.005	0.0011	0.000028
MP-EFF-DC	4-Sep-2021	<0.05	0.00522	10.2	0.0223	0.0159	0.00057	0.0006	14	0.0206	0.00531	3.2	0.424	<0.0002	<0.00005	26.4	0.0178	<0.0005	0.000042	<0.0001	<0.005	0.001	<0.00002
MP-EFF-DC	5-Sep-2021	<0.05	0.00509	9.87	0.0171	0.0167	<0.0004	<0.0002	13.4	0.0199	0.00617	3.1	0.419	<0.0002	0.000163	26.1	0.0192	<0.0005	0.000038	<0.0001	<0.005	0.0011	0.000023
MP-EFF-DC	5-Sep-2021	<0.05	0.00492	9.91	0.018	0.0167	0.00041	0.00027	13.6	0.0207	0.00581	3	0.422	<0.0002	0.000154	26.4	0.0202	<0.0005	0.000036	<0.0001	<0.005	0.0011	<0.00002
MP-EFF-DC	6-Sep-2021	<0.05	0.0051	9.72	0.0158	0.0162	0.00047	0.0003	13.6	0.0234	0.00628	3	0.415	<0.0002	0.000153	26.1	0.0206	<0.0005	0.00004	<0.0001	<0.005	0.001	0.000021
MP-EFF-DC	6-Sep-2021	<0.05	0.00505	9.71	0.0164	0.0167	0.00045	<0.0002	13.5	0.0228	0.00679	3.1	0.416	<0.0002	0.000188	26.3	0.0205	<0.0005	0.00004	<0.0001	<0.005	0.0011	0.000025
MP-EFF-DC	7-Sep-2021	<0.05	0.00489	10.4	0.018	0.0172	0.00086	0.00055	13.4	0.0231	0.00815	3.2	0.436	<0.0002	0.000153	26.9	0.0223	<0.0005	0.000035	<0.0001	<0.005	0.0011	0.000029
MP-EFF-DC	8-Sep-2021	<0.05	0.00473	11	0.0128	0.0166	0.00061	0.00031	12.8	0.0209	0.00782	3.4	0.447	<0.0002	0.000122	26.2	0.0206	<0.0005	0.000043	<0.0001	<0.005	0.001	0.000028
MP-EFF-DC	9-Sep-2021	<0.05	0.00442	12.3	0.0149	0.0137	0.0007	0.00028	10.6	0.0153	0.0065	3.2	0.45	<0.0002	0.000101	24	0.0156	<0.0005	0.000039	<0.0001	<0.005	<0.001	0.000024
MP-EFF-DC	10-Sep-2021	<0.05	0.00425	11.9	0.0199	0.0107	0.00058	0.0002	8.5	0.0101	0.00493	3.1	0.439	<0.0002	0.000072	21.2	0.00998	<0.0005	0.000032	<0.0001	<0.005	<0.001	0.000025
MP-EFF-DC	11-Sep-2021	<0.05	0.00405	11.4	0.0365	0.0124	0.00075	0.0002	9.14	0.00923	0.00405	3.2	0.439	<0.0002	0.00009	21.7	0.00929	<0.0005	0.00004	<0.0001	<0.005	<0.001	0.000023
MP-EFF-DC	12-Sep-2021	<0.05	0.00306	8.21	0.0304	0.0112	0.00053	<0.0002	8.01	0.0103	0.00405	2.4	0.331	<0.0002	0.000115	18	0.00786	<0.0005	0.000037	<0.0001	<0.005	0.0011	<0.00002
MP-EFF-DC	13-Sep-2021	<0.05	0.00397	9.62	0.0312	0.0151	0.00059	<0.0002	10.6	0.00955	0.00511	2.9	0.428	<0.0002	0.000119	23.9	0.00933	<0.0005	0.000042	<0.0001	<0.005	0.0014	0.00002
MP-EFF-DC	14-Sep-2021	<0.05	0.00334	8.44	0.0277	0.0131	0.0133	0.00082	9.47	0.00748	0.00441	2.8	0.392	0.00029	<0.00005	20.7	0.00765	<0.0005	0.000044	<0.0001	<0.005	0.0012	0.000021
MP-EFF-DC	15-Sep-2021	<0.05	0.00309	8.56	0.0192	0.0114	0.00045	<0.0002	8.3	0.00659	0.0105	2.9	0.371	<0.0002	0.000051	19.2	0.00644	<0.0005	0.000037	<0.0001	<0.005	0.0011	0.000022
MP-EFF-DC	16-Sep-2021	<0.05	0.0032	9.72	0.0224	0.00768	0.00048	<0.0002	6.39	0.00511	0.00646	2.7	0.371	<0.0002	<0.00005	16.7	0.00464	<0.0005	0.000037	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	17-Sep-2021	<0.05	0.00337	10.5	0.0419	0.00762	0.0007	<0.0002	6.63	0.00663	0.00671	3	0.394	<0.0002	<0.00005	17.3	0.00578	<0.0005	0.000042	<0.0001	<0.005	<0.001	0.00003
MP-EFF-DC	18-Sep-2021	<0.05	0.00394	6.21	0.0419	0.00708	0.00043	<0.0002	7.92	0.00498	0.00897	1.8	0.471	<0.0002	<0.00005	18	0.00474	<0.0005	0.000041	<0.0001	<0.005	<0.001	0.00002
MP-EFF-DC	19-Sep-2021	<0.05	0.00436	1.86	0.0213	0.00418	<0.0004	<0.0002	6.99	0.00185	0.00645	<1	0.574	<0.0002	<0.00005	16.3	0.00175	<0.0005	0.000038	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	20-Sep-2021	<0.05	0.00396	3.85	0.0161	0.00266	<0.0004	<0.0002	6.43	0.00139	0.0051	<1	0.476	<0.0002	<0.00005	14.7	0.00117	<0.0005	0.000034	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	21-Sep-2021	<0.05	0.00386	6.87	0.0385	0.00376	0.00055	<0.0002	8	0.00346	0.00167	1	0.474	<0.0002	<0.00005	17.7	0.00295	<0.0005	0.000035	<0.0001	<0.005	<0.001	0.000024
MP-EFF-DC	22-Sep-2021	<0.05	0.00352	8.51	0.0481	0.00586	0.00082	<0.0002	8.39	0.00593	0.00212	1.7	0.435	<0.0002	0.000052	17.9	0.00601	<0.0005	0.000036	<0.0001	<0.005	<0.001	0.00003
MP-EFF-DC	23-Sep-2021	<0.05	0.00352	9.91	0.0564	0.0111	0.00205	<0.0002	8.95	0.00897	0.00328	2.1	0.458	<0.0002	0.000128	18.7	0.00841	<0.0005	0.000039	<0.0001	<0.005	<0.001	0.000036

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MP-EFF-DC	12-Aug-2021	-	0.0439	-	-	-	-	-	-
MP-EFF-DC	13-Aug-2021	-	0.0318	-	-	-	-	-	-
MP-EFF-DC	14-Aug-2021	-	0.0328	-	-	-	-	-	-
MP-EFF-DC	15-Aug-2021	-	0.0778	-	-	-	-	-	-
MP-EFF-DC	16-Aug-2021	-	0.0973	-	-	-	-	-	-
MP-EFF-DC	17-Aug-2021	<0.001	0.113	<0.0001	-	-	-	-	-
MP-EFF-DC	18-Aug-2021	<0.001	0.0957	<0.0001	-	-	-	-	-
MP-EFF-DC	19-Aug-2021	<0.001	0.109	<0.0001	-	-	-	-	-
MP-EFF-DC	20-Aug-2021	<0.001	0.0929	<0.0001	-	-	-	-	-
MP-EFF-DC	21-Aug-2021	<0.001	0.0805	<0.0001	-	-	-	-	-
MP-EFF-DC	22-Aug-2021	<0.001	0.0694	<0.0001	-	-	-	-	-
MP-EFF-DC	23-Aug-2021	<0.001	0.0419	<0.0001	-	-	-	-	-
MP-EFF-DC	24-Aug-2021	-	0.0687	-	-	-	-	-	-
MP-EFF-DC	25-Aug-2021	-	0.0635	-	-	-	-	-	-
MP-EFF-DC	26-Aug-2021	-	0.0591	-	-	-	-	-	-
MP-EFF-DC	27-Aug-2021	-	0.0463	-	-	-	-	-	-
MP-EFF-DC	28-Aug-2021	-	0.0405	-	-	-	-	-	-
MP-EFF-DC	29-Aug-2021	-	0.0387	-	-	-	-	-	-
MP-EFF-DC	30-Aug-2021	-	0.0355	-	-	-	-	-	-
MP-EFF-DC	31-Aug-2021	<0.001	0.0526	<0.0001	-	-	-	-	-
MP-EFF-DC	1-Sep-2021	<0.001	0.0715	<0.0001	-	-	-	-	-
MP-EFF-DC	1-Sep-2021	<0.001	0.0586	<0.0001	-	-	-	-	-
MP-EFF-DC	2-Sep-2021	<0.001	0.0472	<0.0001	-	-	-	-	-
MP-EFF-DC	2-Sep-2021	<0.001	0.0607	<0.0001	-	-	-	-	-
MP-EFF-DC	3-Sep-2021	<0.001	0.0249	<0.0001	-	-	-	-	-
MP-EFF-DC	3-Sep-2021	<0.001	0.035	<0.0001	-	-	-	-	-
MP-EFF-DC	4-Sep-2021	<0.001	0.0181	<0.0001	-	-	-	-	-
MP-EFF-DC	4-Sep-2021	<0.001	0.0452	<0.0001	-	-	-	-	-
MP-EFF-DC	5-Sep-2021	<0.001	0.0197	<0.0001	-	-	-	-	-
MP-EFF-DC	5-Sep-2021	<0.001	0.0308	<0.0001	-	-	-	-	-
MP-EFF-DC	6-Sep-2021	<0.001	0.0278	<0.0001	-	-	-	-	-
MP-EFF-DC	6-Sep-2021	<0.001	0.0155	<0.0001	-	-	-	-	-
MP-EFF-DC	7-Sep-2021	0.0021	0.0276	<0.0001	-	-	-	-	-
MP-EFF-DC	8-Sep-2021	0.0021	0.0215	<0.0001	-	-	-	-	-
MP-EFF-DC	9-Sep-2021	0.0022	0.0174	<0.0001	-	-	-	-	-
MP-EFF-DC	10-Sep-2021	0.0022	0.0314	<0.0001	-	-	-	-	-
MP-EFF-DC	11-Sep-2021	0.0021	0.0603	<0.0001	-	-	-	-	-
MP-EFF-DC	12-Sep-2021	0.0019	0.0378	<0.0001	-	-	-	-	-
MP-EFF-DC	13-Sep-2021	0.0019	0.0402	<0.0001	-	-	-	-	-
MP-EFF-DC	14-Sep-2021	<0.001	0.087	<0.0001	-	-	-	-	-
MP-EFF-DC	15-Sep-2021	<0.001	0.0315	<0.0001	-	-	-	-	-
MP-EFF-DC	16-Sep-2021	<0.001	0.0387	<0.0001	-	-	-	-	-
MP-EFF-DC	17-Sep-2021	<0.001	0.0652	<0.0001	-	-	-	-	-
MP-EFF-DC	18-Sep-2021	<0.001	0.0377	<0.0001	-	-	-	-	-
MP-EFF-DC	19-Sep-2021	<0.001	<0.004	<0.0001	-	-	-	-	-
MP-EFF-DC	20-Sep-2021	<0.001	0.0105	<0.0001	-	-	-	-	-
MP-EFF-DC	21-Sep-2021	<0.001	0.0277	<0.0001	-	-	-	-	-
MP-EFF-DC	22-Sep-2021	<0.001	0.0489	<0.0001	-	-	-	-	-
MP-EFF-DC	23-Sep-2021	<0.001	0.0472	<0.0001	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21J0453	4	No	Regular	MP-EFF (B) DC (E100666)	MP-EFF-DC	24-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J0453	5	No	Regular	MP-EFF (B) DC (E100666)	MP-EFF-DC	25-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J0453	6	No	Regular	MP-EFF (B) DC (E100666)	MP-EFF-DC	26-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J0453	7	No	Regular	MP-EFF (B) DC (E100666)	MP-EFF-DC	27-Sep-2021	-	-	-	-	-	-	-	-	-	-
21J0453	-	No	Regular	MP-EFF (B) DC (E100666)	MP-EFF-DC	28-Sep-2021	7.08	-	-	-	-	-	-	-	-	-
21J0453	-	No	Regular	MP-EFF (B) DC (E100666)	MP-EFF-DC	29-Sep-2021	6.83	-	-	-	-	-	-	-	-	-
21J0453	-	No	Regular	MP-EFF (B) DC (E100666)	MP-EFF-DC	30-Sep-2021	6.92	-	-	-	-	-	-	-	-	-
21J0453	-	No	Regular	MP-EFF (B) DC (E100666)	MP-EFF-DC	1-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J0453	-	No	Regular	MP-EFF (B) DC (E100666)	MP-EFF-DC	2-Oct-2021	7.16	-	-	-	-	-	-	-	-	-
21J0453	-	No	Regular	MP-EFF (B) DC (E100666)	MP-EFF-DC	3-Oct-2021	7.21	-	-	-	-	-	-	-	-	-
21J0453	-	No	Regular	MP-EFF (B) DC (E100666)	MP-EFF-DC	4-Oct-2021	7.54	-	-	-	-	-	-	-	-	-
21J2078	1	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	5-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2081	1	No	Regular	MP-EFF (B) DC	MP-EFF-DC	5-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2078	2	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	6-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2081	2	No	Regular	MP-EFF (B) DC	MP-EFF-DC	6-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2081	3	No	Regular	MP-EFF (B) DC	MP-EFF-DC	7-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2078	3	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	7-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2081	4	No	Regular	MP-EFF (B) DC	MP-EFF-DC	8-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2078	4	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	8-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2078	5	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	9-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2081	5	No	Regular	MP-EFF (B) DC	MP-EFF-DC	9-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2078	6	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	10-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2081	6	No	Regular	MP-EFF (B) DC	MP-EFF-DC	10-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2078	7	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	11-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J2081	7	No	Regular	MP-EFF (B) DC	MP-EFF-DC	11-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3156	1	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	12-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3155	1	No	Regular	MP-EFF (B) DC	MP-EFF-DC	12-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3155	2	No	Regular	MP-EFF (B) DC	MP-EFF-DC	13-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3156	2	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	13-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3155	3	No	Regular	MP-EFF (B) DC	MP-EFF-DC	14-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3156	3	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	14-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3155	4	No	Regular	MP-EFF (B) DC	MP-EFF-DC	15-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3156	4	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	15-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3156	5	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	16-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3155	5	No	Regular	MP-EFF (B) DC	MP-EFF-DC	16-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3156	6	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	17-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3155	6	No	Regular	MP-EFF (B) DC	MP-EFF-DC	17-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3155	7	No	Regular	MP-EFF (B) DC	MP-EFF-DC	18-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3156	7	No	Regular	MP-EFF (A) DC (E100666)	MP-EFF-DC	18-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3982	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	19-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3982	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	20-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3982	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	21-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3982	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	22-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3982	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	23-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3982	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	24-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3982	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	25-Oct-2021	-	-	-	-	-	-	-	-	-	-
21J3982	8	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	26-Oct-2021	-	-	-	-	-	-	-	-	-	-
21K0660	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	27-Oct-2021	-	-	-	-	-	-	-	-	-	-
21K0660	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	28-Oct-2021	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MP-EFF-DC	24-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.214	175	0.0007	0.0946	0.0301
MP-EFF-DC	25-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.191	163	0.00065	0.0869	0.0292
MP-EFF-DC	26-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.226	174	0.00073	0.0961	0.033
MP-EFF-DC	27-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.33	184	0.00067	0.102	0.0344
MP-EFF-DC	28-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	29-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	30-Sep-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	1-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	2-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	4-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.378	143	<0.0005	0.0519	0.0285
MP-EFF-DC	5-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.382	151	<0.0005	0.0504	0.0279
MP-EFF-DC	6-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.638	132	0.00052	<0.05	0.0437
MP-EFF-DC	6-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.173	137	<0.0005	<0.05	0.0282
MP-EFF-DC	7-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.178	127	<0.0005	<0.05	0.0274
MP-EFF-DC	7-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.209	124	<0.0005	<0.05	0.0332
MP-EFF-DC	8-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.176	129	<0.0005	<0.05	0.0253
MP-EFF-DC	8-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.182	124	<0.0005	<0.05	0.0262
MP-EFF-DC	9-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.235	126	<0.0005	<0.05	0.025
MP-EFF-DC	9-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.424	126	<0.0005	<0.05	0.0241
MP-EFF-DC	10-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.434	152	<0.0005	<0.05	0.0303
MP-EFF-DC	10-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.448	132	<0.0005	<0.05	0.029
MP-EFF-DC	11-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.464	149	0.00069	<0.05	0.0248
MP-EFF-DC	11-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.562	140	<0.0005	<0.05	0.0232
MP-EFF-DC	12-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.186	122	<0.0005	<0.05	0.0207
MP-EFF-DC	12-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.248	139	<0.0005	<0.05	0.0209
MP-EFF-DC	13-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.294	128	<0.0005	0.0512	0.0297
MP-EFF-DC	13-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.166	126	<0.0005	<0.05	0.0229
MP-EFF-DC	14-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.342	131	<0.0005	<0.05	0.0232
MP-EFF-DC	14-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.188	139	<0.0005	<0.05	0.0213
MP-EFF-DC	15-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.293	137	<0.0005	<0.05	0.0247
MP-EFF-DC	15-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.116	133	<0.0005	<0.05	0.0214
MP-EFF-DC	16-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.344	145	<0.0005	<0.05	0.0266
MP-EFF-DC	16-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.466	149	<0.0005	<0.05	0.0316
MP-EFF-DC	17-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.31	171	<0.0005	<0.05	0.0264
MP-EFF-DC	17-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.33	165	<0.0005	<0.05	0.0284
MP-EFF-DC	18-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.71	164	<0.0005	<0.05	0.0237
MP-EFF-DC	18-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.38	154	<0.0005	<0.05	0.0244
MP-EFF-DC	19-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.712	140	<0.0005	<0.05	0.0259
MP-EFF-DC	20-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.402	126	<0.0005	<0.05	0.0251
MP-EFF-DC	21-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.302	136	<0.0005	<0.05	0.0294
MP-EFF-DC	22-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.764	150	<0.0005	<0.05	0.0373
MP-EFF-DC	23-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.27	153	<0.0005	<0.05	0.0335
MP-EFF-DC	24-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.878	131	<0.0005	<0.05	0.036
MP-EFF-DC	25-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.39	125	0.00062	<0.05	0.0508
MP-EFF-DC	26-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	124	<0.0005	<0.05	0.0559
MP-EFF-DC	27-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.46	108	<0.0005	<0.05	0.0741
MP-EFF-DC	28-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.721	105	<0.0005	<0.05	0.0383

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MP-EFF-DC	24-Sep-2021	<0.0001	<0.0001	0.000412	165	<0.0005	0.00026	0.0128	0.019	<0.05	0.00474	13.4	0.0471	0.0106	0.00095	0.00052	11.5	0.00579	<0.0002	3	0.000112	25.5	0.552
MP-EFF-DC	25-Sep-2021	<0.0001	<0.0001	0.000341	152	<0.0005	0.00019	0.00917	0.021	<0.05	0.00443	13.6	0.0494	0.00918	0.00073	0.00048	9.9	0.0044	<0.0002	3.5	0.00009	23.1	0.537
MP-EFF-DC	26-Sep-2021	<0.0001	<0.0001	0.000387	167	0.00206	0.00026	0.0135	0.031	<0.05	0.0047	14.6	0.0581	0.0114	0.0012	0.0008	11	0.00583	<0.0002	3.4	0.000191	25.9	0.584
MP-EFF-DC	27-Sep-2021	<0.0001	<0.0001	0.000808	174	0.00056	0.00025	0.0169	0.076	<0.05	0.0046	11.5	0.0705	0.00977	0.00097	0.00164	12.8	0.00546	<0.0002	2.5	0.000191	27.8	0.561
MP-EFF-DC	28-Sep-2021	-	-	-	-	-	-	0.00741	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	29-Sep-2021	-	-	-	-	-	-	0.00638	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	30-Sep-2021	-	-	-	-	-	-	0.0274	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	1-Oct-2021	-	-	-	-	-	-	0.0106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	2-Oct-2021	-	-	-	-	-	-	0.0126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Oct-2021	-	-	-	-	-	-	0.00907	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	4-Oct-2021	-	-	-	-	-	-	0.0143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Oct-2021	0.00052	<0.0001	0.0026	154	0.00051	0.00163	0.0577	0.143	<0.05	0.0037	9.73	0.282	0.00336	0.00236	0.00496	7	0.00174	<0.0002	2.2	<0.00005	13.6	0.405
MP-EFF-DC	5-Oct-2021	<0.0001	<0.0001	0.00187	167	<0.0005	0.00104	0.0247	0.058	<0.05	0.00395	9.78	0.228	0.00395	0.0017	0.00196	7.76	0.00168	<0.0002	2	<0.00005	14.6	0.428
MP-EFF-DC	6-Oct-2021	<0.0001	<0.0001	0.00173	125	<0.0005	0.00103	0.033	0.215	<0.05	0.00313	8.78	0.153	0.00213	0.00186	0.00867	5.17	0.00108	<0.0002	2.7	0.000053	11.5	0.402
MP-EFF-DC	6-Oct-2021	<0.0001	<0.0001	0.00157	151	<0.0005	0.00089	0.0154	0.044	<0.05	0.00344	9.62	0.151	0.00264	0.00163	0.00152	5.35	0.00127	<0.0002	2.5	<0.00005	12.3	0.41
MP-EFF-DC	7-Oct-2021	<0.0001	<0.0001	0.000844	143	<0.0005	0.00045	0.0115	0.035	<0.05	0.0033	8.78	0.0748	0.00188	0.00101	0.00149	4.06	0.0009	<0.0002	2.7	<0.00005	10.8	0.415
MP-EFF-DC	7-Oct-2021	<0.0001	<0.0001	0.00091	142	<0.0005	0.00042	0.0108	0.052	<0.05	0.00325	8.77	0.0688	0.00171	0.00088	0.00205	3.82	0.00101	<0.0002	2.7	<0.00005	10.5	0.395
MP-EFF-DC	8-Oct-2021	<0.0001	<0.0001	0.000811	139	<0.0005	0.00042	0.00914	0.045	<0.05	0.00325	10.4	0.0894	0.00158	0.00102	0.00134	3.36	0.00084	<0.0002	2.8	<0.00005	10.2	0.417
MP-EFF-DC	8-Oct-2021	<0.0001	<0.0001	0.000761	121	0.00096	0.00034	0.00701	0.046	<0.05	0.00293	9.89	0.0704	0.00123	0.00109	0.00125	3.17	0.00094	<0.0002	2.3	<0.00005	9.51	0.419
MP-EFF-DC	9-Oct-2021	<0.0001	<0.0001	0.000584	139	0.00059	0.00022	0.00845	0.064	<0.05	0.00329	10.7	0.0581	0.00133	0.00081	0.00161	3.05	0.00086	<0.0002	2.4	<0.00005	9.6	0.399
MP-EFF-DC	9-Oct-2021	<0.0001	<0.0001	0.000475	137	<0.0005	0.00025	0.00828	0.046	<0.05	0.00331	10.6	0.0589	0.00144	0.00055	0.00129	3.07	0.00081	<0.0002	2.3	<0.00005	9.66	0.414
MP-EFF-DC	10-Oct-2021	<0.0001	<0.0001	0.000642	163	<0.0005	0.00024	0.0123	0.103	<0.05	0.00373	11.6	0.0838	0.00154	0.00056	0.00243	4.97	0.00125	<0.0002	2	<0.00005	12.8	0.436
MP-EFF-DC	10-Oct-2021	<0.0001	<0.0001	0.000479	142	<0.0005	0.00024	0.0122	0.111	<0.05	0.00325	10.6	0.0812	0.00161	0.00055	0.00298	4.34	0.00099	<0.0002	1.8	<0.00005	11.1	0.404
MP-EFF-DC	11-Oct-2021	<0.0001	<0.0001	0.000439	159	0.00056	0.00027	0.0123	0.075	<0.05	0.00383	11.2	0.0893	0.00185	0.00096	0.002	6.44	0.00113	<0.0002	1.9	<0.00005	14.5	0.425
MP-EFF-DC	11-Oct-2021	<0.0001	<0.0001	0.000308	131	<0.0005	0.00021	0.0113	0.068	<0.05	0.00321	10.1	0.0717	0.00162	0.00073	0.00167	5.86	0.00089	<0.0002	1.8	<0.00005	12.6	0.416
MP-EFF-DC	12-Oct-2021	<0.0001	<0.0001	0.000416	133	<0.0005	0.00024	0.00723	0.025	<0.05	0.00344	10.2	0.073	0.00211	0.00065	0.00068	6.18	0.00102	<0.0002	2.2	<0.00005	14.7	0.386
MP-EFF-DC	12-Oct-2021	<0.0001	<0.0001	0.000301	146	<0.0005	0.00022	0.0084	0.022	<0.05	0.00322	10.5	0.0841	0.0021	0.00064	0.00062	6.09	0.00086	<0.0002	2.3	<0.00005	14.5	0.372
MP-EFF-DC	13-Oct-2021	<0.0001	<0.0001	0.000239	134	<0.0005	0.00015	0.00861	0.039	<0.05	0.00316	8.72	0.0403	0.00227	0.00041	0.0011	6.72	0.00091	<0.0002	2.1	<0.00005	15.8	0.383
MP-EFF-DC	13-Oct-2021	<0.0001	<0.0001	0.000427	140	<0.0005	0.00017	0.00766	0.038	<0.05	0.00306	8.14	0.0418	0.00235	0.00052	0.00097	6.21	0.00098	<0.0002	2.1	<0.00005	15.1	0.34
MP-EFF-DC	14-Oct-2021	<0.0001	<0.0001	0.00037	145	<0.0005	0.00015	0.00925	0.03	<0.05	0.00357	7.77	0.043	0.00185	<0.0004	0.00067	6.01	0.00076	<0.0002	2	<0.00005	15	0.388
MP-EFF-DC	14-Oct-2021	<0.0001	<0.0001	0.000715	153	<0.0005	0.00017	0.00805	0.039	<0.05	0.00379	8.17	0.0401	0.00217	0.00045	0.00086	6.04	0.00087	<0.0002	2.2	<0.00005	15.7	0.378
MP-EFF-DC	15-Oct-2021	<0.0001	<0.0001	0.00217	156	<0.0005	0.00029	0.0169	0.091	<0.05	0.00426	8.05	0.0983	0.00161	0.00052	0.00239	6.11	0.00087	<0.0002	1.9	<0.00005	15.2	0.426
MP-EFF-DC	15-Oct-2021	<0.0001	<0.0001	0.00272	156	<0.0005	0.00036	0.0108	0.058	<0.05	0.00445	7.95	0.109	0.00173	0.00055	0.00157	5.96	0.00085	<0.0002	2	<0.00005	14.7	0.379
MP-EFF-DC	16-Oct-2021	<0.0001	<0.0001	0.00307	163	<0.0005	0.00066	0.0203	0.137	<0.05	0.00466	7.75	0.261	0.0013	0.00099	0.00385	5.97	0.00128	<0.0002	1.3	<0.00005	13.9	0.443
MP-EFF-DC	16-Oct-2021	<0.0001	<0.0001	0.00307	168	<0.0005	0.00076	0.0291	0.213	<0.05	0.00499	8.33	0.288	0.0013	0.00127	0.0057	6.54	0.00113	<0.0002	1.5	<0.00005	15	0.447
MP-EFF-DC	17-Oct-2021	<0.0001	<0.0001	0.0014	200	<0.0005	0.00045	0.0289	0.158	<0.05	0.00576	7.45	0.16	0.00124	0.00094	0.00411	4.45	0.001	<0.0002	<1	<0.00005	10.6	0.447
MP-EFF-DC	17-Oct-2021	<0.0001	<0.0001	0.00146	191	<0.0005	0.00052	0.0315	0.152	<0.05	0.00537	7.37	0.199	0.00132	0.00093	0.00452	4.67	0.00096	<0.0002	<1	<0.00005	10.9	0.476
MP-EFF-DC	18-Oct-2021	<0.0001	<0.0001	0.000625	191	<0.0005	0.00022	0.0176	0.088	<0.05	0.00435	5.65	0.0727	0.0012	0.00071	0.00242	3.39	0.00112	<0.0002	<1	<0.00005	8.48	0.406
MP-EFF-DC	18-Oct-2021	<0.0001	<0.0001	0.000662	188	<0.0005	0.00024	0.0171	0.101	<0.05	0.00527	5.72	0.0572	0.00135	0.00047	0.00252	3.54	0.00093	<0.0002	1.1	<0.00005	9.2	0.405
MP-EFF-DC	19-Oct-2021	<0.0001	<0.0001	0.000352	158	0.00107	0.00025	0.00671	0.03	<0.05	0.00407	4.98	0.0454	0.00176	0.00064	0.00094	3.98	0.00102	<0.0002	1.3	<0.00005	9.63	0.381
MP-EFF-DC	20-Oct-2021	<0.0001	<0.0001	0.000262	138	<0.0005	<0.0001	0.00527	0.017	<0.05	0.00389	4.63	0.0151	0.00208	<0.0004	0.00071	5.02	0.00081	<0.0002	2.1	<0.00005	11.1	0.352
MP-EFF-DC	21-Oct-2021	<0.0001	<0.0001	0.000607	140	0.00057	0.00025	0.00801	0.051	<0.05	0.00403	8.06	0.14	0.00162	0.00059	0.0017	5.4	0.00104	<0.0002	1.8	<0.00005	11.9	0.357
MP-EFF-DC	22-Oct-2021	<0.0001	<0.0001	0.00185	164	<0.0005	0.00067	0.0323	0.227	<0.05	0.00455	8.15	0.24	0.00101	0.00074	0.00658	3.71	0.00111	<0.0002	1	<0.00005	9.46	0.362
MP-EFF-DC	23-Oct-2021	<0.0001	<0.0001	0.000902	170	<0.0005	0.00024	0.0194	0.147	<0.05	0.00485	6.47	0.07	0.00095	<0.0004	0.00417	2.29	0.00099	<0.0002	1.2	<0.00005	7.27	0.398
MP-EFF-DC	24-Oct-2021	<0.0001	<0.0001	0.000437	146	<0.0005	0.00013	0.00907	0.044	<0.05	0.00393	6.22	0.0535	0.00083	<0.0004	0.00167	2.05	0.00088	<0.0002	1.4	<0.00005	6.93	0.376
MP-EFF-DC	25-Oct-2021	<0.0001	0.00289	0.00143	134	0.002	0.00051	0.0835	0.704	0.423	0.00367	5.43	0.0746	0.00147	0.00415	0.011	3.54	0.00141	0.00096	1.5	0.000311	8.36	0.328
MP-EFF-DC	26-Oct-2021	<0.0001	<0.0001	0.00202	140	<0.0005	0.00064	0.0567	0.395	<0.05	0.00362	5.26	0.108	0.00114	0.00079	0.013	3.2	0.00131	<0.0002	1.1	<0.00005	7.95	0.299
MP-EFF-DC	27-Oct-2021	<0.0001	<0.0001	0.00125	138	0.00067	0.00041	0.0397	0.231	<0.05	0.00329	2.63	0.0474	0.00092	0.00202	0.00697	3.29	0.00108	<0.0002	1.5	<0.00005	7.84	0.282
MP-EFF-DC	28-Oct-2021	<0.0001	<0.0001	0.00129	134	<0.0005	0.00036	0.0348	0.184	<0.05	0.00333	5.66	0.052	0.00111	0.00062	0.00433	2.54	0.00102	<0.0002	1.7	<0.00005	6.55	0.299

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MP-EFF-DC	24-Sep-2021	<0.0005	0.000051	<0.0001	<0.005	<0.001	0.000032	<0.001	0.083	<0.0001	-	0.131	143	0.00059	0.0593	<0.0001	<0.0001	0.0247	0.000373	134	<0.0005	0.00024	0.00879	<0.01
MP-EFF-DC	25-Sep-2021	<0.0005	0.000044	<0.0001	<0.005	<0.001	0.00003	<0.001	0.0575	<0.0001	-	0.15	138	0.00051	0.0579	<0.0001	<0.0001	0.0251	0.000403	129	<0.0005	0.00019	0.00707	<0.01
MP-EFF-DC	26-Sep-2021	<0.0005	0.000053	<0.0001	<0.005	<0.001	0.000035	<0.001	0.0635	<0.0001	-	0.17	146	0.0006	0.0601	<0.0001	<0.0001	0.0258	0.000308	129	<0.0005	0.00022	0.00851	<0.01
MP-EFF-DC	27-Sep-2021	<0.0005	0.000045	<0.0001	<0.005	<0.001	0.00005	<0.001	0.115	<0.0001	-	0.215	132	<0.0005	0.0624	<0.0001	<0.0001	0.0274	0.000594	130	<0.0005	0.00015	0.0102	0.011
MP-EFF-DC	28-Sep-2021	-	-	-	-	-	-	-	0.0684	-	-	-	-	-	-	-	-	-	0.000775	-	-	-	0.00273	-
MP-EFF-DC	29-Sep-2021	-	-	-	-	-	-	-	0.0702	-	-	-	-	-	-	-	-	-	0.00112	-	-	-	0.00238	-
MP-EFF-DC	30-Sep-2021	-	-	-	-	-	-	-	0.298	-	-	-	-	-	-	-	-	-	0.00557	-	-	-	0.00208	-
MP-EFF-DC	1-Oct-2021	-	-	-	-	-	-	-	0.175	-	-	-	-	-	-	-	-	-	0.00273	-	-	-	0.0233	-
MP-EFF-DC	2-Oct-2021	-	-	-	-	-	-	-	0.151	-	-	-	-	-	-	-	-	-	0.00208	-	-	-	0.00305	-
MP-EFF-DC	3-Oct-2021	-	-	-	-	-	-	-	0.123	-	-	-	-	-	-	-	-	-	0.00132	-	-	-	0.00287	-
MP-EFF-DC	4-Oct-2021	-	-	-	-	-	-	-	0.173	-	-	-	-	-	-	-	-	-	0.000962	-	-	-	0.00474	-
MP-EFF-DC	5-Oct-2021	<0.0005	0.00003	<0.0001	<0.005	<0.001	0.000045	<0.001	0.63	<0.0001	-	0.129	122	<0.0005	<0.05	<0.0001	<0.0001	0.0215	0.00148	135	<0.0005	0.00092	0.00765	<0.01
MP-EFF-DC	5-Oct-2021	<0.0005	0.000032	<0.0001	<0.005	<0.001	0.000047	<0.001	0.388	<0.0001	-	0.206	143	<0.0005	<0.05	<0.0001	<0.0001	0.0239	0.00153	153	<0.0005	0.00075	0.00821	<0.01
MP-EFF-DC	6-Oct-2021	<0.0005	0.000031	<0.0001	<0.005	<0.001	0.000047	<0.001	0.412	<0.0001	-	0.0518	110	<0.0005	<0.05	<0.0001	<0.0001	0.0261	0.0014	127	<0.0005	0.0007	0.00502	<0.01
MP-EFF-DC	6-Oct-2021	<0.0005	0.000027	<0.0001	<0.005	<0.001	0.000034	<0.001	0.324	<0.0001	-	0.115	124	<0.0005	<0.05	<0.0001	<0.0001	0.027	0.00127	141	0.00052	0.0007	0.00664	<0.01
MP-EFF-DC	7-Oct-2021	<0.0005	0.000025	<0.0001	<0.005	<0.001	0.00002	<0.001	0.165	<0.0001	-	0.119	111	<0.0005	<0.05	<0.0001	<0.0001	0.0386	0.000562	126	<0.0005	0.00028	0.00382	<0.01
MP-EFF-DC	7-Oct-2021	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.000023	<0.001	0.197	<0.0001	-	0.0661	106	<0.0005	<0.05	<0.0001	<0.0001	0.0237	0.000766	121	<0.0005	0.00029	0.00295	<0.01
MP-EFF-DC	8-Oct-2021	<0.0005	0.000023	<0.0001	<0.005	<0.001	0.000021	<0.001	0.166	<0.0001	-	0.108	106	<0.0005	<0.05	<0.0001	<0.0001	0.0269	0.000605	115	<0.0005	0.00026	0.00268	<0.01
MP-EFF-DC	8-Oct-2021	<0.0005	0.00003	<0.0001	<0.005	<0.001	0.000033	<0.001	0.143	<0.0001	-	0.0862	115	<0.0005	<0.05	<0.0001	<0.0001	0.0274	0.000637	130	0.00052	0.00028	0.0026	<0.01
MP-EFF-DC	9-Oct-2021	<0.0005	0.000028	<0.0001	<0.005	<0.001	0.000023	<0.001	0.113	<0.0001	-	0.133	116	<0.0005	<0.05	<0.0001	<0.0001	0.0226	0.000448	129	<0.0005	0.00014	0.00202	<0.01
MP-EFF-DC	9-Oct-2021	<0.0005	0.000029	<0.0001	<0.005	<0.001	0.000022	<0.001	0.0852	<0.0001	-	0.171	107	<0.0005	<0.05	<0.0001	<0.0001	0.02	0.000307	117	<0.0005	0.00013	0.00231	<0.01
MP-EFF-DC	10-Oct-2021	<0.0005	0.000034	<0.0001	<0.005	<0.001	0.000036	<0.001	0.116	<0.0001	-	0.207	109	<0.0005	<0.05	<0.0001	<0.0001	0.021	0.000392	121	<0.0005	<0.0001	0.00276	<0.01
MP-EFF-DC	10-Oct-2021	<0.0005	0.000028	<0.0001	<0.005	<0.001	0.000035	<0.001	0.106	<0.0001	-	0.297	115	<0.0005	<0.05	<0.0001	<0.0001	0.0202	0.000241	121	<0.0005	<0.0001	0.00305	<0.01
MP-EFF-DC	11-Oct-2021	<0.0005	0.000112	<0.0001	<0.005	<0.001	0.000127	<0.001	0.0891	0.00033	-	0.28	121	<0.0005	<0.05	<0.0001	<0.0001	0.0189	0.000304	130	<0.0005	0.00014	0.00415	<0.01
MP-EFF-DC	11-Oct-2021	<0.0005	0.000034	<0.0001	<0.005	<0.001	0.000039	<0.001	0.061	<0.0001	-	0.449	134	<0.0005	<0.05	<0.0001	<0.0001	0.0214	0.000198	141	<0.0005	0.00012	0.00514	<0.01
MP-EFF-DC	12-Oct-2021	<0.0005	0.000032	<0.0001	<0.005	<0.001	0.000028	<0.001	0.0697	<0.0001	-	0.0687	124	<0.0005	<0.05	<0.0001	<0.0001	0.0201	0.000407	133	<0.0005	0.0002	0.00493	<0.01
MP-EFF-DC	12-Oct-2021	<0.0005	0.000035	<0.0001	<0.005	<0.001	0.000035	<0.001	0.0399	<0.0001	-	0.167	121	<0.0005	<0.05	<0.0001	<0.0001	0.0199	0.000306	126	<0.0005	0.00016	0.00573	<0.01
MP-EFF-DC	13-Oct-2021	<0.0005	0.000029	<0.0001	<0.005	<0.001	0.000026	<0.001	0.0328	<0.0001	-	0.173	114	<0.0005	<0.05	<0.0001	<0.0001	0.0272	0.000243	121	<0.0005	<0.0001	0.0048	<0.01
MP-EFF-DC	13-Oct-2021	<0.0005	0.000029	<0.0001	<0.005	<0.001	0.000025	<0.001	0.0748	<0.0001	-	0.0296	125	<0.0005	<0.05	<0.0001	<0.0001	0.0224	0.000392	133	<0.0005	0.00013	0.00382	<0.01
MP-EFF-DC	14-Oct-2021	<0.0005	0.000026	<0.0001	<0.005	<0.001	0.000025	<0.001	0.0547	<0.0001	-	0.208	119	<0.0005	<0.05	<0.0001	<0.0001	0.0266	0.000314	128	<0.0005	0.00011	0.00533	<0.01
MP-EFF-DC	14-Oct-2021	<0.0005	0.000031	<0.0001	<0.005	<0.001	0.000025	<0.001	0.101	<0.0001	-	0.0408	125	<0.0005	<0.05	<0.0001	<0.0001	0.0186	0.000543	137	<0.0005	0.0001	0.00335	<0.01
MP-EFF-DC	15-Oct-2021	<0.0005	0.000035	<0.0001	<0.005	<0.001	0.000027	<0.001	0.236	<0.0001	-	0.197	125	<0.0005	<0.05	<0.0001	<0.0001	0.0218	0.00168	142	<0.0005	0.00012	0.00535	0.012
MP-EFF-DC	15-Oct-2021	<0.0005	0.000034	<0.0001	<0.005	<0.001	0.000026	<0.001	0.272	<0.0001	-	0.0291	130	<0.0005	<0.05	<0.0001	<0.0001	0.019	0.00245	147	<0.0005	0.0002	0.00304	<0.01
MP-EFF-DC	16-Oct-2021	<0.0005	0.000034	<0.0001	<0.005	<0.001	0.000033	<0.001	0.294	<0.0001	-	0.108	149	<0.0005	<0.05	<0.0001	<0.0001	0.0226	0.00258	161	<0.0005	0.00035	0.00333	<0.01
MP-EFF-DC	16-Oct-2021	<0.0005	0.000038	<0.0001	<0.005	<0.001	0.000038	<0.001	0.367	<0.0001	-	0.271	136	<0.0005	<0.05	0.00014	<0.0001	0.0254	0.00179	151	<0.0005	0.00031	0.00676	<0.01
MP-EFF-DC	17-Oct-2021	<0.0005	0.000042	<0.0001	<0.005	<0.001	0.000048	<0.001	0.285	<0.0001	-	0.218	159	<0.0005	<0.05	<0.0001	<0.0001	0.0229	0.001	183	<0.0005	0.00012	0.00246	0.012
MP-EFF-DC	17-Oct-2021	<0.0005	0.000046	<0.0001	<0.005	<0.001	0.000042	<0.001	0.321	<0.0001	-	0.852	149	<0.0005	<0.05	<0.0001	<0.0001	0.0233	0.000538	171	<0.0005	<0.0001	0.00353	<0.01
MP-EFF-DC	18-Oct-2021	<0.0005	0.000038	<0.0001	<0.005	<0.001	0.000035	<0.001	0.177	<0.0001	-	1.41	152	<0.0005	<0.05	<0.0001	<0.0001	0.0228	0.000184	176	<0.0005	<0.0001	0.0032	<0.01
MP-EFF-DC	18-Oct-2021	<0.0005	0.000037	<0.0001	<0.005	<0.001	0.000032	<0.001	0.159	<0.0001	-	0.273	146	<0.0005	<0.05	<0.0001	<0.0001	0.0204	0.000367	172	<0.0005	<0.0001	0.00197	<0.01
MP-EFF-DC	19-Oct-2021	<0.0005	0.000037	<0.0001	<0.005	<0.001	0.000022	<0.001	0.041	<0.0001	-	0.221	137	<0.0005	<0.05	<0.0001	<0.0001	0.0253	0.000305	157	<0.0005	0.00023	0.00245	0.022
MP-EFF-DC	20-Oct-2021	<0.0005	0.000036	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0264	<0.0001	-	0.253	132	<0.0005	<0.05	<0.0001	<0.0001	0.0257	0.000258	146	<0.0005	<0.0001	0.00253	0.041
MP-EFF-DC	21-Oct-2021	<0.0005	0.000037	<0.0001	<0.005	<0.001	0.000045	<0.001	0.0556	<0.0001	-	0.157	135	<0.0005	<0.05	<0.0001	<0.0001	0.0275	0.000537	140	<0.0005	0.00021	0.00315	<0.01
MP-EFF-DC	22-Oct-2021	<0.0005	0.00004	<0.0001	<0.005	<0.001	0.000051	<0.001	0.272	<0.0001	-	0.247	137	<0.0005	<0.05	<0.0001	<0.0001	0.0287	0.00141	155	<0.0005	0.00026	0.00277	<0.01
MP-EFF-DC	23-Oct-2021	<0.0005	0.000043	<0.0001	<0.005	<0.001	0.000034	<0.001	0.182	<0.0001	-	0.498	125	<0.0005	<0.05	<0.0001	<0.0001	0.0251	0.000477	149	<0.0005	<0.0001	0.00134	<0.01
MP-EFF-DC	24-Oct-2021	<0.0005	0.00003	<0.0001	<0.005	<0.001	0.000029	<0.001	0.128	<0.0001	-	0.567	129	<0.0005	<0.05	<0.0001	<0.0001	0.0354	0.000364	143	<0.0005	<0.0001	0.0017	<0.01
MP-EFF-DC	25-Oct-2021	<0.0005	0.000039	<0.0001	<0.005	<0.001	0.000071	<0.001	0.365	0.00027	-	0.729	118	<0.0005	<0.05	<0.0001	<0.0001	0.0271	0.000482	136	<0.0005	<0.0001	0.00267	<0.01
MP-EFF-DC	26-Oct-2021	<0.0005	0.000035	<0.0001	<0.005	<0.001	0.000055	<0.001	0.437	<0.0001	-	1.21	114	<0.0005	<0.05	<0.0001	<0.0001	0.0294	0.000526	127	<0.0005	0.0001	0.00256	<0.01
MP-EFF-DC	27-Oct-2021	<0.0005	0.000029	<0.0001	<0.005	<0.001	0.00003	<0.001	0.358	<0.0001	-	0.445	104	<0.0005	<0.05	<0.0001	<0.0001	0.0277	0.000323	126	<0.0005	<0.0001	0.0026	<0.01
MP-EFF-DC	28-Oct-2021	<0.0005	0.00003	<0.0001	<0.005	<0.001	0.000032	<0.001	0.327	<0.0001	-	0.314	97.7	<0.0005	<0.05	<0.0001	<0.0001	0.029	0.000751	123	<0.0005	0.00014	0.0023	<0.01

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MP-EFF-DC	24-Sep-2021	<0.05	0.00366	11.4	0.0436	0.00948	0.00105	<0.0002	9.38	0.0108	0.00421	2.5	0.488	<0.0002	0.000065	19.8	0.0101	<0.0005	0.000044	<0.0001	<0.005	<0.001	0.000028
MP-EFF-DC	25-Sep-2021	<0.05	0.00357	12.1	0.0474	0.0082	0.00078	<0.0002	8.41	0.00962	0.00347	2.5	0.495	<0.0002	0.000079	18.9	0.00904	<0.0005	0.00005	<0.0001	<0.005	<0.001	0.000034
MP-EFF-DC	26-Sep-2021	<0.05	0.00358	11.6	0.0491	0.00917	0.0007	<0.0002	8.33	0.0115	0.00468	2.4	0.478	<0.0002	0.000152	18.8	0.0103	<0.0005	0.000043	<0.0001	<0.005	<0.001	0.000031
MP-EFF-DC	27-Sep-2021	<0.05	0.00341	9	0.0578	0.00763	0.00057	<0.0002	9.65	0.01	0.00384	1.9	0.455	<0.0002	0.000144	20.2	0.00834	<0.0005	0.000036	<0.0001	<0.005	<0.001	0.000039
MP-EFF-DC	28-Sep-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	29-Sep-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	30-Sep-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	1-Oct-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	2-Oct-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Oct-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	4-Oct-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Oct-2021	<0.05	0.0032	8.42	0.169	0.00294	0.00159	<0.0002	5.94	0.00242	0.00219	1.7	0.353	<0.0002	<0.00005	11.7	0.00224	<0.0005	0.000028	<0.0001	<0.005	<0.001	0.000032
MP-EFF-DC	5-Oct-2021	<0.05	0.00375	9.2	0.179	0.00359	0.00132	<0.0002	7.26	0.00284	0.00201	1.8	0.397	<0.0002	<0.00005	14	0.00281	<0.0005	0.000029	<0.0001	<0.005	<0.001	0.00004
MP-EFF-DC	6-Oct-2021	<0.05	0.00299	7.64	0.105	0.00216	0.00142	<0.0002	4.35	0.00176	0.00125	1.9	0.327	<0.0002	<0.00005	9.97	0.00154	<0.0005	0.000023	<0.0001	<0.005	<0.001	0.000026
MP-EFF-DC	6-Oct-2021	<0.05	0.00325	8.6	0.112	0.0024	0.00182	<0.0002	4.81	0.00191	0.00133	2.2	0.367	<0.0002	<0.00005	11.1	0.00176	<0.0005	0.000028	<0.0001	<0.005	<0.001	0.00003
MP-EFF-DC	7-Oct-2021	<0.05	0.00292	7.62	0.0439	0.00166	0.00058	<0.0002	3.5	0.00124	0.00087	2.2	0.354	<0.0002	<0.00005	9.44	0.00116	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	7-Oct-2021	<0.05	0.00278	7.31	0.0391	0.00153	0.00062	<0.0002	3.2	0.00118	0.00078	2.2	0.336	<0.0002	<0.00005	8.75	0.00104	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	8-Oct-2021	<0.05	0.00271	8.56	0.0589	0.00124	0.00066	<0.0002	2.78	0.00102	0.00072	2.1	0.339	<0.0002	<0.00005	8.48	0.00083	<0.0005	0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	8-Oct-2021	<0.05	0.00303	9.62	0.061	0.00146	0.00072	<0.0002	2.94	0.00084	0.00077	2.4	0.379	<0.0002	<0.00005	9.15	0.00094	<0.0005	0.000024	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	9-Oct-2021	<0.05	0.00299	9.77	0.0405	0.00122	0.00049	<0.0002	2.84	0.00082	0.00081	2.2	0.367	<0.0002	<0.00005	9.01	0.00084	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.000022
MP-EFF-DC	9-Oct-2021	<0.05	0.00281	9.07	0.0387	0.00116	0.00045	<0.0002	2.59	0.00091	0.00075	2	0.34	<0.0002	<0.00005	8.24	0.00074	<0.0005	0.000023	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	10-Oct-2021	<0.05	0.00271	8.43	0.0501	0.00129	0.00123	<0.0002	3.59	0.00154	0.00107	1.3	0.324	<0.0002	<0.00005	9.31	0.00118	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.000021
MP-EFF-DC	10-Oct-2021	<0.05	0.00286	8.94	0.0531	0.00139	<0.0004	<0.0002	3.69	0.00159	0.00095	1.4	0.332	<0.0002	<0.00005	9.77	0.00133	<0.0005	0.000022	<0.0001	<0.005	<0.001	0.000022
MP-EFF-DC	11-Oct-2021	<0.05	0.00298	9.24	0.0631	0.00158	0.00046	<0.0002	4.95	0.00178	0.00115	1.5	0.343	<0.0002	<0.00005	11.9	0.00146	<0.0005	0.000025	<0.0001	<0.005	<0.001	0.000022
MP-EFF-DC	11-Oct-2021	<0.05	0.00343	9.85	0.0643	0.00175	0.0007	<0.0002	5.47	0.00173	0.00129	1.5	0.367	<0.0002	<0.00005	13	0.00167	<0.0005	0.000028	<0.0001	<0.005	<0.001	0.000026
MP-EFF-DC	12-Oct-2021	<0.05	0.0045	10.4	0.0694	0.00213	0.00066	<0.0002	6.27	0.00263	0.00093	2.2	0.381	<0.0002	<0.00005	15.1	0.00244	<0.0005	0.000031	<0.0001	<0.005	<0.001	0.000029
MP-EFF-DC	12-Oct-2021	<0.05	0.00321	10	0.0754	0.00198	0.00063	<0.0002	5.84	0.00241	0.00098	1.9	0.372	<0.0002	<0.00005	14.3	0.00236	<0.0005	0.000033	<0.0001	<0.005	<0.001	0.000031
MP-EFF-DC	13-Oct-2021	<0.05	0.00278	7.77	0.0313	0.00213	<0.0004	<0.0002	5.84	0.00225	0.001	1.8	0.341	<0.0002	<0.00005	14.2	0.00211	<0.0005	0.000027	<0.0001	<0.005	<0.001	0.000024
MP-EFF-DC	13-Oct-2021	<0.05	0.00299	7.95	0.0352	0.00221	0.00043	<0.0002	6.35	0.00242	0.00094	1.9	0.363	<0.0002	<0.00005	15	0.00218	<0.0005	0.000026	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	14-Oct-2021	<0.05	0.00319	6.98	0.0277	0.00174	0.00055	<0.0002	5.39	0.00147	0.00079	1.5	0.378	<0.0002	<0.00005	13.5	0.0014	<0.0005	0.000025	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	14-Oct-2021	<0.05	0.00334	7.3	0.0262	0.00186	0.00048	<0.0002	5.7	0.00166	0.00081	1.8	0.381	<0.0002	<0.00005	14.1	0.00155	<0.0005	0.000026	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	15-Oct-2021	<0.05	0.00397	7.47	0.0643	0.00154	<0.0004	<0.0002	5.67	0.00121	0.00098	1.6	0.395	<0.0002	<0.00005	14.2	0.00111	<0.0005	0.00003	<0.0001	0.0094	<0.001	0.000021
MP-EFF-DC	15-Oct-2021	<0.05	0.00403	7.47	0.0887	0.00154	0.00051	<0.0002	5.77	0.00135	0.00095	1.6	0.394	<0.0002	<0.00005	14.2	0.00119	<0.0005	0.000031	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	16-Oct-2021	<0.05	0.00469	7.78	0.224	0.00122	0.00078	<0.0002	6.01	0.00104	0.001	1.1	0.44	<0.0002	<0.00005	13.8	0.0008	<0.0005	0.000036	<0.0001	<0.005	<0.001	0.000021
MP-EFF-DC	16-Oct-2021	<0.05	0.00438	7.39	0.201	0.00118	0.00082	<0.0002	5.82	0.00089	0.00104	1	0.403	<0.0002	<0.00005	13.4	0.00085	<0.0005	0.000035	<0.0001	<0.005	<0.001	0.000025
MP-EFF-DC	17-Oct-2021	<0.05	0.00498	6.8	0.094	0.00121	0.00047	<0.0002	4.21	0.00073	0.00096	<1	0.451	<0.0002	<0.00005	9.88	0.0005	<0.0005	0.000037	<0.0001	<0.005	<0.001	0.000027
MP-EFF-DC	17-Oct-2021	<0.05	0.00485	6.71	0.115	0.0011	<0.0004	<0.0002	4.19	0.00049	0.00099	<1	0.428	<0.0002	<0.00005	9.96	0.00046	<0.0005	0.000035	<0.0001	<0.005	<0.001	0.00003
MP-EFF-DC	18-Oct-2021	<0.05	0.00478	5.61	0.0321	0.00122	<0.0004	<0.0002	3.47	0.00045	0.00117	<1	0.427	<0.0002	<0.00005	9	0.00052	<0.0005	0.00003	<0.0001	<0.005	<0.001	0.000026
MP-EFF-DC	18-Oct-2021	<0.05	0.00447	5.07	0.023	0.0012	<0.0004	<0.0002	3.28	0.00067	0.00098	<1	0.408	<0.0002	<0.00005	8.44	0.00059	<0.0005	0.000031	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	19-Oct-2021	<0.05	0.00422	4.99	0.0371	0.00164	<0.0004	0.00024	3.86	0.00079	0.00106	1.1	0.373	<0.0002	<0.00005	9.52	0.00094	<0.0005	0.000037	<0.0001	<0.005	<0.001	0.000021
MP-EFF-DC	20-Oct-2021	<0.05	0.00415	4.98	0.0114	0.00259	<0.0004	<0.0002	5.26	0.00174	0.00084	1.9	0.369	<0.0002	<0.00005	11.9	0.00219	<0.0005	0.000036	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	21-Oct-2021	<0.05	0.00408	8.29	0.132	0.00178	<0.0004	<0.0002	5.34	0.00176	0.00095	1.7	0.355	<0.0002	<0.00005	12.2	0.00182	<0.0005	0.000038	<0.0001	<0.005	<0.001	0.000043
MP-EFF-DC	22-Oct-2021	<0.05	0.00423	7.79	0.186	0.00118	<0.0004	<0.0002	3.43	0.00082	0.00114	<1	0.352	<0.0002	<0.00005	9.09	0.00081	<0.0005	0.000042	<0.0001	<0.005	<0.001	0.000038
MP-EFF-DC	23-Oct-2021	<0.05	0.00412	5.69	0.0453	0.00081	<0.0004	<0.0002	1.97	0.00054	0.00094	<1	0.35	<0.0002	<0.00005	6.53	0.00052	<0.0005	0.000033	<0.0001	<0.005	<0.001	0.000023
MP-EFF-DC	24-Oct-2021	<0.05	0.00372	5.97	0.0379	0.00093	<0.0004	<0.0002	1.98	0.00055	0.00093	1.2	0.358	<0.0002	<0.00005	6.78	0.00064	<0.0005	0.000028	<0.0001	<0.005	<0.001	0.000025
MP-EFF-DC	25-Oct-2021	<0.05	0.00351	5.15	0.0234	0.00111	0.00076	<0.0002	3.2	0.00103	0.00105	<1	0.324	<0.0002	<0.00005	7.9	0.00101	<0.0005	0.000031	<0.0001	<0.005	<0.001	0.000028
MP-EFF-DC	26-Oct-2021	<0.05	0.00329	4.6	0.0553	0.00121	<0.0004	<0.0002	2.86	0.00098	0.00142	<1	0.263	<0.0002	<0.00005	7.42	0.00094	<0.0005	0.000032	<0.0001	<0.005	<0.001	0.000033
MP-EFF-DC	27-Oct-2021	<0.05	0.00318	2.57	0.0141	0.00111	0.00057	<0.0002	3.03	0.00072	0.00104	<1	0.27	<0.0002	<0.00005	7.65	0.00075	<0.0005	0.000026	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	28-Oct-2021	<0.05	0.00317	5.6	0.029	0.00102	<0.0004	<0.0002	2.28	0.00094	0.00096	1.2	0.283	<0.0002	<0.00005	6.29	0.00079	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.000024

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MP-EFF-DC	24-Sep-2021	<0.001	0.0664	<0.0001	-	-	-	-	-
MP-EFF-DC	25-Sep-2021	<0.001	0.0487	<0.0001	-	-	-	-	-
MP-EFF-DC	26-Sep-2021	<0.001	0.0443	<0.0001	-	-	-	-	-
MP-EFF-DC	27-Sep-2021	<0.001	0.0585	<0.0001	-	-	-	-	-
MP-EFF-DC	28-Sep-2021	-	0.041	-	-	-	-	-	-
MP-EFF-DC	29-Sep-2021	-	0.0463	-	-	-	-	-	-
MP-EFF-DC	30-Sep-2021	-	0.106	-	-	-	-	-	-
MP-EFF-DC	1-Oct-2021	-	0.0324	-	-	-	-	-	-
MP-EFF-DC	2-Oct-2021	-	0.053	-	-	-	-	-	-
MP-EFF-DC	3-Oct-2021	-	0.0618	-	-	-	-	-	-
MP-EFF-DC	4-Oct-2021	-	0.0903	-	-	-	-	-	-
MP-EFF-DC	5-Oct-2021	<0.001	0.315	<0.0001	-	-	-	-	-
MP-EFF-DC	5-Oct-2021	<0.001	0.258	<0.0001	-	-	-	-	-
MP-EFF-DC	6-Oct-2021	<0.001	0.285	<0.0001	-	-	-	-	-
MP-EFF-DC	6-Oct-2021	<0.001	0.243	<0.0001	-	-	-	-	-
MP-EFF-DC	7-Oct-2021	<0.001	0.097	<0.0001	-	-	-	-	-
MP-EFF-DC	7-Oct-2021	<0.001	0.136	<0.0001	-	-	-	-	-
MP-EFF-DC	8-Oct-2021	<0.001	0.0947	<0.0001	-	-	-	-	-
MP-EFF-DC	8-Oct-2021	<0.001	0.117	<0.0001	-	-	-	-	-
MP-EFF-DC	9-Oct-2021	<0.001	0.0537	<0.0001	-	-	-	-	-
MP-EFF-DC	9-Oct-2021	<0.001	0.0345	<0.0001	-	-	-	-	-
MP-EFF-DC	10-Oct-2021	<0.001	0.0326	<0.0001	-	-	-	-	-
MP-EFF-DC	10-Oct-2021	<0.001	0.017	<0.0001	-	-	-	-	-
MP-EFF-DC	11-Oct-2021	<0.001	0.0329	<0.0001	-	-	-	-	-
MP-EFF-DC	11-Oct-2021	<0.001	0.0177	<0.0001	-	-	-	-	-
MP-EFF-DC	12-Oct-2021	<0.001	0.0586	<0.0001	-	-	-	-	-
MP-EFF-DC	12-Oct-2021	<0.001	0.029	<0.0001	-	-	-	-	-
MP-EFF-DC	13-Oct-2021	<0.001	0.0162	<0.0001	-	-	-	-	-
MP-EFF-DC	13-Oct-2021	<0.001	0.0598	<0.0001	-	-	-	-	-
MP-EFF-DC	14-Oct-2021	<0.001	0.0448	<0.0001	-	-	-	-	-
MP-EFF-DC	14-Oct-2021	<0.001	0.0715	<0.0001	-	-	-	-	-
MP-EFF-DC	15-Oct-2021	<0.001	0.101	<0.0001	-	-	-	-	-
MP-EFF-DC	15-Oct-2021	<0.001	0.195	<0.0001	-	-	-	-	-
MP-EFF-DC	16-Oct-2021	<0.001	0.0948	<0.0001	-	-	-	-	-
MP-EFF-DC	16-Oct-2021	<0.001	0.0449	<0.0001	-	-	-	-	-
MP-EFF-DC	17-Oct-2021	<0.001	0.0265	<0.0001	-	-	-	-	-
MP-EFF-DC	17-Oct-2021	<0.001	0.0105	<0.0001	-	-	-	-	-
MP-EFF-DC	18-Oct-2021	<0.001	0.0045	<0.0001	-	-	-	-	-
MP-EFF-DC	18-Oct-2021	<0.001	0.0137	<0.0001	-	-	-	-	-
MP-EFF-DC	19-Oct-2021	<0.001	0.0149	0.00011	-	-	-	-	-
MP-EFF-DC	20-Oct-2021	<0.001	0.0123	<0.0001	-	-	-	-	-
MP-EFF-DC	21-Oct-2021	<0.001	0.0254	<0.0001	-	-	-	-	-
MP-EFF-DC	22-Oct-2021	<0.001	0.0355	<0.0001	-	-	-	-	-
MP-EFF-DC	23-Oct-2021	<0.001	0.0162	<0.0001	-	-	-	-	-
MP-EFF-DC	24-Oct-2021	<0.001	0.0169	<0.0001	-	-	-	-	-
MP-EFF-DC	25-Oct-2021	<0.001	0.0196	<0.0001	-	-	-	-	-
MP-EFF-DC	26-Oct-2021	<0.001	0.0278	<0.0001	-	-	-	-	-
MP-EFF-DC	27-Oct-2021	<0.001	0.0184	0.00013	-	-	-	-	-
MP-EFF-DC	28-Oct-2021	<0.001	0.0725	<0.0001	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21K0660	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	29-Oct-2021	-	-	-	-	-	-	-	-	-	-
21K0660	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	30-Oct-2021	-	-	-	-	-	-	-	-	-	-
21K0660	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	31-Oct-2021	-	-	-	-	-	-	-	-	-	-
21K0660	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	1-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K0660	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	2-Nov-2021	6.54	-	-	-	-	-	-	-	-	-
21K0660	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	3-Nov-2021	6.82	-	-	-	-	-	-	-	-	-
21K0660	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	4-Nov-2021	7.02	-	-	-	-	-	-	-	-	-
21K0660	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	5-Nov-2021	7.25	-	-	-	-	-	-	-	-	-
21K0660	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	6-Nov-2021	7.46	-	-	-	-	-	-	-	-	-
21K0660	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	7-Nov-2021	7.76	-	-	-	-	-	-	-	-	-
21K0660	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	8-Nov-2021	7.94	-	-	-	-	-	-	-	-	-
21K2553	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	9-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2553	-	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	10-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2553	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	11-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2553	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	12-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2553	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	13-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2553	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	14-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K2553	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	15-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K3341	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	16-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K3341	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	17-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K3341	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	18-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K3341	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	19-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K3341	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	20-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K3341	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	21-Nov-2021	-	-	-	-	-	-	-	-	-	-
21K3341	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	22-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L0714	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	23-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L0714	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	24-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L0714	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	25-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L0714	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	26-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L0714	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	27-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L0714	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	28-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L0714	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	29-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L1732	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	30-Nov-2021	-	-	-	-	-	-	-	-	-	-
21L1732	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	1-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L1732	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	2-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L1732	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	3-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L1732	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	4-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L1732	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	5-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L1732	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	6-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L2317	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	7-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L2317	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	8-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L2317	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	9-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L2317	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	10-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L2317	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	11-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L2317	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	12-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L3370	8	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	13-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L3370	9	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	14-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L3370	10	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	15-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L3370	11	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	16-Dec-2021	-	-	-	-	-	-	-	-	-	-

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MP-EFF-DC	29-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.591	130	<0.0005	<0.05	0.0359
MP-EFF-DC	30-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.469	125	<0.0005	<0.05	0.0423
MP-EFF-DC	31-Oct-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.464	130	<0.0005	<0.05	0.0366
MP-EFF-DC	1-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.207	131	<0.0005	<0.05	0.0353
MP-EFF-DC	2-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	4-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	6-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	7-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	8-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	9-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.275	129	<0.0005	<0.05	0.034
MP-EFF-DC	10-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	11-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.332	124	<0.0005	<0.05	0.035
MP-EFF-DC	12-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.324	116	<0.0005	<0.05	0.0366
MP-EFF-DC	13-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.277	113	<0.0005	<0.05	0.038
MP-EFF-DC	14-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.501	109	0.00062	<0.05	0.0447
MP-EFF-DC	15-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.761	115	0.0005	<0.05	0.0399
MP-EFF-DC	16-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.275	96.8	<0.0005	<0.05	0.0334
MP-EFF-DC	17-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.303	108	<0.0005	<0.05	0.0307
MP-EFF-DC	18-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.112	101	<0.0005	<0.05	0.0363
MP-EFF-DC	19-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.104	109	0.00077	<0.05	0.0368
MP-EFF-DC	20-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.146	124	0.00268	<0.05	0.035
MP-EFF-DC	21-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.151	119	0.00097	<0.05	0.0338
MP-EFF-DC	22-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.222	125	0.00077	<0.05	0.0309
MP-EFF-DC	23-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.137	137	<0.0005	<0.05	0.0358
MP-EFF-DC	24-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.126	131	<0.0005	<0.05	0.0407
MP-EFF-DC	25-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.472	130	0.00078	<0.05	0.0632
MP-EFF-DC	26-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.543	118	0.00054	<0.05	0.0424
MP-EFF-DC	27-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.598	121	0.00053	<0.05	0.0551
MP-EFF-DC	28-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.742	112	0.00056	<0.05	0.0576
MP-EFF-DC	29-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.739	106	<0.0005	<0.05	0.046
MP-EFF-DC	30-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.274	85.5	<0.0005	<0.05	0.0369
MP-EFF-DC	1-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.263	90	<0.0005	<0.05	0.029
MP-EFF-DC	2-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.341	92.8	0.00078	<0.05	0.0337
MP-EFF-DC	3-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.199	98.6	<0.0005	<0.05	0.03
MP-EFF-DC	4-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.179	110	<0.0005	<0.05	0.0294
MP-EFF-DC	5-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.131	116	<0.0005	<0.05	0.027
MP-EFF-DC	6-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.129	116	<0.0005	<0.05	0.0307
MP-EFF-DC	7-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.154	119	<0.0005	<0.05	0.0277
MP-EFF-DC	8-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.163	109	<0.0005	<0.05	0.0285
MP-EFF-DC	9-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.173	110	<0.0005	<0.05	0.0263
MP-EFF-DC	10-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.283	110	<0.0005	<0.05	0.0309
MP-EFF-DC	11-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.324	104	<0.0005	<0.05	0.0412
MP-EFF-DC	12-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.153	103	<0.0005	<0.05	0.0276
MP-EFF-DC	13-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.168	111	<0.0005	<0.05	0.0262
MP-EFF-DC	14-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.157	112	<0.0005	<0.05	0.0272
MP-EFF-DC	15-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.113	111	<0.0005	<0.05	0.0284
MP-EFF-DC	16-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.102	111	<0.0005	<0.05	0.025

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MP-EFF-DC	29-Oct-2021	<0.0001	<0.0001	0.000933	148	<0.0005	0.0003	0.0207	0.105	<0.05	0.00361	8.48	0.0769	0.00152	0.00051	0.00216	3.49	0.00095	<0.0002	1.7	<0.00005	8.24	0.393
MP-EFF-DC	30-Oct-2021	<0.0001	<0.0001	0.00118	147	<0.0005	0.00039	0.0318	0.16	<0.05	0.00362	7.9	0.0602	0.00209	0.00109	0.00275	4.83	0.00107	<0.0002	2.1	<0.00005	9.13	0.39
MP-EFF-DC	31-Oct-2021	<0.0001	<0.0001	0.00202	148	<0.0005	0.00066	0.055	0.139	<0.05	0.0039	12	0.114	0.00306	0.00143	0.00362	5.5	0.00118	<0.0002	2.5	0.000051	9.72	0.395
MP-EFF-DC	1-Nov-2021	<0.0001	<0.0001	0.00169	147	<0.0005	0.00054	0.0452	0.089	<0.05	0.00404	13.7	0.0969	0.00223	0.00134	0.00275	4.24	0.00095	<0.0002	2.5	<0.00005	9.44	0.412
MP-EFF-DC	2-Nov-2021	-	-	-	-	-	-	0.0133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Nov-2021	-	-	-	-	-	-	0.0352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	4-Nov-2021	-	-	-	-	-	-	0.0484	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Nov-2021	-	-	-	-	-	-	0.0397	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	6-Nov-2021	-	-	-	-	-	-	0.034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	7-Nov-2021	-	-	-	-	-	-	0.0182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	8-Nov-2021	-	-	-	-	-	-	0.0187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	9-Nov-2021	<0.0001	<0.0001	0.000527	133	<0.0005	0.00022	0.00752	0.042	<0.05	0.0043	13.7	0.0891	0.00232	0.00049	0.00127	5.37	0.00125	<0.0002	1.7	<0.00005	11.8	0.396
MP-EFF-DC	10-Nov-2021	-	-	-	-	-	-	0.0138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	11-Nov-2021	<0.0001	<0.0001	0.000641	132	<0.0005	0.00058	0.012	0.071	<0.05	0.00391	12.1	0.189	0.00178	0.00067	0.00281	4.23	0.00107	<0.0002	1.6	<0.00005	10.7	0.367
MP-EFF-DC	12-Nov-2021	<0.0001	<0.0001	0.000403	119	<0.0005	0.00022	0.00788	0.048	<0.05	0.00359	11.4	0.0755	0.00174	0.00041	0.00146	4.84	0.00112	<0.0002	1.8	<0.00005	10.9	0.328
MP-EFF-DC	13-Nov-2021	<0.0001	<0.0001	0.000552	114	<0.0005	0.00024	0.0112	0.069	<0.05	0.00381	12.5	0.0789	0.00172	0.0005	0.00227	4.6	0.00098	<0.0002	1.9	<0.00005	11.2	0.331
MP-EFF-DC	14-Nov-2021	<0.0001	<0.0001	0.000851	117	<0.0005	0.0004	0.0231	0.203	<0.05	0.00368	12.5	0.0952	0.00274	0.00093	0.00692	4.15	0.00131	<0.0002	2.1	<0.00005	10.4	0.329
MP-EFF-DC	15-Nov-2021	<0.0001	<0.0001	0.000877	116	0.00151	0.00039	0.0262	0.181	<0.05	0.00346	10.9	0.0925	0.00302	0.00139	0.00524	4.22	0.00163	<0.0002	1.8	<0.00005	9.21	0.322
MP-EFF-DC	16-Nov-2021	<0.0001	<0.0001	0.000687	108	<0.0005	0.00034	0.0109	0.053	<0.05	0.003	9.85	0.118	0.00205	0.00071	0.00138	3.97	0.00135	<0.0002	1.6	<0.00005	8.52	0.279
MP-EFF-DC	17-Nov-2021	<0.0001	<0.0001	0.00082	116	<0.0005	0.00044	0.0141	0.064	<0.05	0.00337	13.4	0.108	0.00311	0.00093	0.00136	4.66	0.00147	<0.0002	2.1	<0.00005	10.1	0.32
MP-EFF-DC	18-Nov-2021	<0.0001	<0.0001	0.000681	113	<0.0005	0.00041	0.0135	0.076	<0.05	0.00322	13.1	0.105	0.00476	0.00104	0.00155	5.26	0.00166	<0.0002	2.5	0.000073	10.8	0.314
MP-EFF-DC	19-Nov-2021	<0.0001	<0.0001	0.000379	114	<0.0005	0.00031	0.0115	0.073	<0.05	0.00308	13.6	0.0821	0.00494	0.00081	0.00177	5.35	0.0015	<0.0002	2.9	0.000066	11.5	0.327
MP-EFF-DC	20-Nov-2021	<0.0001	<0.0001	0.000448	128	0.00051	0.00028	0.0121	0.069	<0.05	0.00343	14.3	0.0746	0.00591	0.00075	0.00168	5.93	0.00161	<0.0002	3	0.000068	12.3	0.355
MP-EFF-DC	21-Nov-2021	<0.0001	<0.0001	0.000366	123	<0.0005	0.00026	0.012	0.071	<0.05	0.00354	14.3	0.0675	0.00593	0.00074	0.00182	5.74	0.00154	<0.0002	3.1	0.000096	12	0.337
MP-EFF-DC	22-Nov-2021	<0.0001	<0.0001	0.000411	130	<0.0005	0.00034	0.0133	0.096	<0.05	0.0037	14.6	0.096	0.00461	0.0009	0.00227	6.12	0.00164	<0.0002	3	0.000059	12.5	0.351
MP-EFF-DC	23-Nov-2021	<0.0001	<0.0001	0.000496	133	<0.0005	0.00029	0.00855	0.082	<0.05	0.00328	15.2	0.109	0.00363	0.00086	0.00079	6.26	0.00131	<0.0002	2.3	<0.00005	12.9	0.398
MP-EFF-DC	24-Nov-2021	<0.0001	<0.0001	0.00052	126	<0.0005	0.00039	0.0106	0.05	<0.05	0.00332	14.4	0.124	0.00368	0.00102	0.00054	5.96	0.00153	<0.0002	2.4	<0.00005	12.5	0.396
MP-EFF-DC	25-Nov-2021	<0.0001	<0.0001	0.0011	125	0.00052	0.00062	0.0301	0.349	<0.05	0.00301	12.3	0.102	0.00463	0.00122	0.00799	6.85	0.00148	<0.0002	2.3	0.000127	13	0.405
MP-EFF-DC	26-Nov-2021	<0.0001	<0.0001	0.000529	123	<0.0005	0.00026	0.0167	0.1	<0.05	0.00292	8.41	0.0485	0.00275	0.00062	0.00206	5.2	0.00135	<0.0002	1.4	0.000082	21.5	0.356
MP-EFF-DC	27-Nov-2021	<0.0001	<0.0001	0.000778	121	0.00051	0.00036	0.0266	0.228	<0.05	0.00301	9.94	0.0641	0.00206	0.00072	0.00685	4.91	0.00126	<0.0002	1.9	<0.00005	10	0.366
MP-EFF-DC	28-Nov-2021	<0.0001	<0.0001	0.000766	109	0.00058	0.00029	0.0287	0.209	<0.05	0.0025	8.34	0.0658	0.00118	0.00062	0.00764	2.33	0.00079	<0.0002	1.4	<0.00005	6.38	0.324
MP-EFF-DC	29-Nov-2021	<0.0001	<0.0001	0.000704	116	<0.0005	0.00031	0.0238	0.165	<0.05	0.00263	8.47	0.0604	0.00087	0.00053	0.00845	1.54	0.00064	<0.0002	1.5	<0.00005	5.72	0.328
MP-EFF-DC	30-Nov-2021	<0.0001	<0.0001	0.000286	102	<0.0005	0.00012	0.00531	0.042	<0.05	0.00247	8.08	0.0319	0.00089	<0.0004	0.00142	1.25	<0.0005	<0.0002	1.9	<0.00005	4.95	0.267
MP-EFF-DC	1-Dec-2021	<0.0001	<0.0001	0.000471	104	<0.0005	0.00014	0.002	<0.01	<0.05	0.0023	6.81	0.034	0.00075	<0.0004	<0.0002	1.15	0.00051	<0.0002	1.7	<0.00005	4.19	0.254
MP-EFF-DC	2-Dec-2021	<0.0001	<0.0001	0.000717	104	<0.0005	0.0003	0.0152	0.077	<0.05	0.00228	8.38	0.0689	0.00088	0.00061	0.00229	1.47	0.00065	<0.0002	2.1	<0.00005	4.63	0.257
MP-EFF-DC	3-Dec-2021	<0.0001	<0.0001	0.000447	113	<0.0005	0.00027	0.00955	0.042	<0.05	0.00265	11.5	0.061	0.00212	0.00047	0.00092	3.11	0.00083	<0.0002	2.2	<0.00005	7.49	0.298
MP-EFF-DC	4-Dec-2021	<0.0001	<0.0001	0.000396	124	<0.0005	0.00022	0.257	0.049	<0.05	0.00299	13	0.0477	0.00399	0.00049	0.00115	4.41	0.00111	<0.0002	2.6	0.000066	9.69	0.343
MP-EFF-DC	5-Dec-2021	<0.0001	<0.0001	0.000292	123	<0.0005	0.00019	0.00986	0.043	<0.05	0.00312	12.9	0.0405	0.00428	0.00045	0.00071	4.67	0.00098	<0.0002	2.7	0.000051	10.5	0.359
MP-EFF-DC	6-Dec-2021	<0.0001	<0.0001	0.00024	119	<0.0005	0.00015	0.00892	0.033	<0.05	0.00311	12.9	0.0365	0.00592	<0.0004	0.00046	5.08	0.00111	<0.0002	2.6	<0.00005	11.7	0.368
MP-EFF-DC	7-Dec-2021	<0.0001	<0.0001	0.000303	115	<0.0005	0.00016	0.00979	0.038	<0.05	0.00319	14.2	0.0494	0.00652	0.00075	0.00074	5.03	0.00126	<0.0002	2.8	<0.00005	12.8	0.382
MP-EFF-DC	8-Dec-2021	<0.0001	<0.0001	0.000414	113	<0.0005	0.00023	0.0106	0.082	0.099	0.00309	14.2	0.0754	0.00641	0.00075	0.00117	4.79	0.00111	<0.0002	2.7	<0.00005	12.6	0.367
MP-EFF-DC	9-Dec-2021	<0.0001	<0.0001	0.000229	112	<0.0005	0.00031	0.00956	0.037	<0.05	0.00311	13.9	0.0842	0.00607	0.00074	0.00082	5.05	0.00121	<0.0002	2.9	<0.00005	13	0.365
MP-EFF-DC	10-Dec-2021	<0.0001	<0.0001	0.000868	111	<0.0005	0.00046	0.0228	0.131	0.065	0.00315	12.7	0.131	0.0032	0.00126	0.00287	3.57	0.00077	<0.0002	2.5	<0.00005	10.1	0.337
MP-EFF-DC	11-Dec-2021	<0.0001	<0.0001	0.000652	108	<0.0005	0.00041	0.0188	0.203	0.062	0.00298	12.8	0.133	0.00255	0.0017	0.00617	3.13	0.0008	<0.0002	2.4	<0.00005	10.1	0.336
MP-EFF-DC	12-Dec-2021	<0.0001	<0.0001	0.000208	108	<0.0005	0.00018	0.00805	0.048	<0.05	0.00293	12.5	0.0509	0.0049	0.00054	0.0011	4.37	0.00103	<0.0002	3.1	<0.00005	11.6	0.351
MP-EFF-DC	13-Dec-2021	<0.0001	<0.0001	0.000354	109	<0.0005	0.00027	0.00745	0.023	<0.05	0.00338	12.4	0.0932	0.00265	0.00436	0.00058	3.45	0.00081	<0.0002	2.4	<0.00005	9.86	0.353
MP-EFF-DC	14-Dec-2021	<0.0001	<0.0001	0.000466	108	<0.0005	0.00029	0.00825	0.025	<0.05	0.00346	11.6	0.0666	0.00437	0.00045	0.00044	5.49	0.00169	<0.0002	2.5	0.000061	11.9	0.349
MP-EFF-DC	15-Dec-2021	<0.0001	<0.0001	0.00035	104	<0.0005	0.00021	0.00978	0.018	<0.05	0.0033	11	0.0455	0.00609	0.0004	0.00034	5.93	0.00175	<0.0002	2.8	<0.00005	12.1	0.343
MP-EFF-DC	16-Dec-2021	<0.0001	<0.0001	0.000255	105	<0.0005	0.00016	0.00819	0.018	<0.05	0.00314	11.6	0.0342	0.00414	<0.0004	0.00028	4.64	0.00119	<0.0002	3	<0.00005	11.2	0.346

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MP-EFF-DC	29-Oct-2021	<0.0005	0.000033	<0.0001	<0.005	<0.001	0.000036	<0.001	0.215	<0.0001	-	0.356	115	<0.0005	<0.05	<0.0001	<0.0001	0.0283	0.000605	135	<0.0005	0.00015	0.00312	<0.01
MP-EFF-DC	30-Oct-2021	<0.0005	0.000031	<0.0001	<0.005	<0.001	0.000035	<0.001	0.333	<0.0001	-	0.313	117	<0.0005	<0.05	<0.0001	<0.0001	0.0292	0.000643	140	<0.0005	0.00014	0.00554	<0.01
MP-EFF-DC	31-Oct-2021	<0.0005	0.000037	<0.0001	<0.005	<0.001	0.000049	<0.001	0.601	<0.0001	-	0.163	124	<0.0005	<0.05	<0.0001	<0.0001	0.0307	0.00108	133	<0.0005	0.0003	0.0077	<0.01
MP-EFF-DC	1-Nov-2021	<0.0005	0.000036	<0.0001	<0.005	<0.001	0.000043	<0.001	0.514	<0.0001	-	0.128	123	<0.0005	<0.05	<0.0001	<0.0001	0.0302	0.000947	137	<0.0005	0.00029	0.00771	<0.01
MP-EFF-DC	2-Nov-2021	-	-	-	-	-	-	-	0.189	-	-	-	-	-	-	-	-	-	0.000814	-	-	-	0.00323	-
MP-EFF-DC	3-Nov-2021	-	-	-	-	-	-	-	0.326	-	-	-	-	-	-	-	-	-	0.000864	-	-	-	0.00181	-
MP-EFF-DC	4-Nov-2021	-	-	-	-	-	-	-	0.412	-	-	-	-	-	-	-	-	-	0.000638	-	-	-	0.00182	-
MP-EFF-DC	5-Nov-2021	-	-	-	-	-	-	-	0.321	-	-	-	-	-	-	-	-	-	0.000375	-	-	-	0.00107	-
MP-EFF-DC	6-Nov-2021	-	-	-	-	-	-	-	0.288	-	-	-	-	-	-	-	-	-	0.000465	-	-	-	0.0015	-
MP-EFF-DC	7-Nov-2021	-	-	-	-	-	-	-	0.162	-	-	-	-	-	-	-	-	-	0.0001	-	-	-	0.00238	-
MP-EFF-DC	8-Nov-2021	-	-	-	-	-	-	-	0.139	-	-	-	-	-	-	-	-	-	0.00019	-	-	-	0.00254	-
MP-EFF-DC	9-Nov-2021	<0.0005	0.000026	<0.0001	<0.005	<0.001	0.000038	<0.001	0.07	<0.0001	-	0.178	123	<0.0005	<0.05	<0.0001	<0.0001	0.0266	0.000447	119	<0.0005	0.00015	0.00339	<0.01
MP-EFF-DC	10-Nov-2021	-	-	-	-	-	-	-	0.122	-	-	-	-	-	-	-	-	-	0.000511	-	-	-	0.00264	-
MP-EFF-DC	11-Nov-2021	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.000038	<0.001	0.115	<0.0001	-	0.178	124	<0.0005	<0.05	<0.0001	<0.0001	0.0302	0.000511	119	<0.0005	0.00047	0.00306	<0.01
MP-EFF-DC	12-Nov-2021	<0.0005	0.000023	<0.0001	<0.005	<0.001	0.000026	<0.001	0.0656	<0.0001	-	0.201	115	<0.0005	<0.05	<0.0001	<0.0001	0.0346	0.000336	110	<0.0005	0.00014	0.00306	<0.01
MP-EFF-DC	13-Nov-2021	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.000022	<0.001	0.102	<0.0001	-	0.203	114	<0.0005	<0.05	<0.0001	<0.0001	0.0306	0.000423	105	<0.0005	0.00014	0.00326	<0.01
MP-EFF-DC	14-Nov-2021	<0.0005	0.000026	<0.0001	<0.005	<0.001	0.000035	<0.001	0.198	<0.0001	-	0.276	107	<0.0005	<0.05	<0.0001	<0.0001	0.0324	0.000369	98.9	<0.0005	0.00015	0.00324	<0.01
MP-EFF-DC	15-Nov-2021	<0.0005	0.000027	<0.0001	<0.005	<0.001	0.000038	<0.001	0.208	<0.0001	-	0.553	112	<0.0005	<0.05	<0.0001	<0.0001	0.0302	0.000344	102	<0.0005	0.00015	0.0042	<0.01
MP-EFF-DC	16-Nov-2021	<0.0005	0.00002	<0.0001	<0.005	<0.001	0.000034	<0.001	0.125	<0.0001	-	0.179	108	<0.0005	<0.05	<0.0001	<0.0001	0.0322	0.000622	105	<0.0005	0.00028	0.00409	<0.01
MP-EFF-DC	17-Nov-2021	<0.0005	0.000022	<0.0001	<0.005	<0.001	0.000037	<0.001	0.185	0.00013	-	0.13	118	<0.0005	<0.05	<0.0001	<0.0001	0.0281	0.00066	113	<0.0005	0.00031	0.00486	0.019
MP-EFF-DC	18-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000028	<0.001	0.152	<0.0001	-	0.0776	119	<0.0005	<0.05	<0.0001	<0.0001	0.0319	0.000571	105	<0.0005	0.0003	0.00507	<0.01
MP-EFF-DC	19-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025	<0.001	0.0887	<0.0001	-	0.0882	124	<0.0005	<0.05	<0.0001	<0.0001	0.0333	0.000304	110	<0.0005	0.00019	0.00454	<0.01
MP-EFF-DC	20-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002	<0.001	0.0907	<0.0001	-	0.0946	134	<0.0005	<0.05	<0.0001	<0.0001	0.0298	0.000297	112	<0.0005	0.00017	0.00424	<0.01
MP-EFF-DC	21-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002	<0.001	0.0874	0.00016	-	0.103	131	<0.0005	<0.05	<0.0001	<0.0001	0.0269	0.000225	116	<0.0005	0.00015	0.00502	<0.01
MP-EFF-DC	22-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026	<0.001	0.0961	0.00011	-	0.112	132	<0.0005	<0.05	<0.0001	<0.0001	0.0287	0.000281	118	<0.0005	0.00019	0.00527	<0.01
MP-EFF-DC	23-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000029	<0.001	0.0787	<0.0001	-	0.0696	116	<0.0005	<0.05	<0.0001	<0.0001	0.0257	0.000345	115	<0.0005	0.00022	0.00686	<0.01
MP-EFF-DC	24-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000029	<0.001	0.0953	<0.0001	-	0.066	108	<0.0005	<0.05	<0.0001	<0.0001	0.0287	0.000336	110	<0.0005	0.00025	0.00673	<0.01
MP-EFF-DC	25-Nov-2021	<0.0005	<0.00002	<0.0001	0.0052	<0.001	0.00004	<0.001	0.259	<0.0001	-	0.118	95.2	<0.0005	<0.05	<0.0001	<0.0001	0.0234	0.000366	97.1	<0.0005	0.00016	0.00551	<0.01
MP-EFF-DC	26-Nov-2021	<0.0005	0.000055	<0.0001	<0.005	<0.001	0.000059	<0.001	0.108	<0.0001	-	0.313	92.6	<0.0005	<0.05	<0.0001	<0.0001	0.0258	0.000237	104	<0.0005	<0.0001	0.00544	<0.01
MP-EFF-DC	27-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025	<0.001	0.182	<0.0001	-	0.235	84.6	<0.0005	<0.05	<0.0001	<0.0001	0.0228	0.000182	92.6	<0.0005	<0.0001	0.0049	<0.01
MP-EFF-DC	28-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024	<0.001	0.174	<0.0001	-	0.424	85.3	<0.0005	<0.05	<0.0001	<0.0001	0.0327	0.000189	95.7	<0.0005	<0.0001	0.00443	<0.01
MP-EFF-DC	29-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024	<0.001	0.178	<0.0001	-	0.468	86.9	<0.0005	<0.05	<0.0001	<0.0001	0.0283	0.000166	97.6	<0.0005	<0.0001	0.00399	<0.01
MP-EFF-DC	30-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0453	<0.0001	-	0.203	91.6	<0.0005	<0.05	<0.0001	<0.0001	0.0332	0.000262	97.2	<0.0005	<0.0001	0.00145	<0.01
MP-EFF-DC	1-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.039	<0.0001	-	0.354	88.1	<0.0005	<0.05	<0.0001	<0.0001	0.0322	0.000593	96.3	<0.0005	0.00022	0.0104	0.052
MP-EFF-DC	2-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026	<0.001	0.135	<0.0001	-	0.23	83.6	<0.0005	<0.05	<0.0001	<0.0001	0.0298	0.000439	93.8	<0.0005	0.00017	0.00275	<0.01
MP-EFF-DC	3-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000027	<0.001	0.0963	<0.0001	-	0.155	104	<0.0005	<0.05	<0.0001	<0.0001	0.0301	0.000371	106	<0.0005	0.00017	0.00366	<0.01
MP-EFF-DC	4-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	<0.001	0.0918	<0.0001	-	0.119	108	<0.0005	<0.05	<0.0001	<0.0001	0.0269	0.000227	111	<0.0005	0.00011	0.00459	<0.01
MP-EFF-DC	5-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024	<0.001	0.0845	<0.0001	-	0.0966	119	<0.0005	<0.05	<0.0001	<0.0001	0.0273	0.000228	124	<0.0005	<0.0001	0.00408	<0.01
MP-EFF-DC	6-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0632	<0.0001	-	0.104	120	<0.0005	<0.05	<0.0001	<0.0001	0.0287	0.00017	117	<0.0005	<0.0001	0.00456	<0.01
MP-EFF-DC	7-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	<0.001	0.0713	<0.0001	-	0.0648	108	<0.0005	<0.05	<0.0001	<0.0001	0.0244	0.000223	110	<0.0005	0.00011	0.00468	0.012
MP-EFF-DC	8-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	<0.001	0.0835	<0.0001	-	0.0501	111	<0.0005	<0.05	<0.0001	<0.0001	0.0236	0.000213	112	<0.0005	0.00015	0.00437	<0.01
MP-EFF-DC	9-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025	<0.001	0.0531	<0.0001	-	0.0548	111	<0.0005	<0.05	<0.0001	<0.0001	0.0235	0.000132	112	<0.0005	0.00021	0.00498	<0.01
MP-EFF-DC	10-Dec-2021	<0.0005	0.000023	<0.0001	<0.005	<0.001	0.000032	<0.001	0.206	<0.0001	-	0.0955	110	<0.0005	<0.05	<0.0001	<0.0001	0.0243	0.000335	109	<0.0005	0.00023	0.00322	<0.01
MP-EFF-DC	11-Dec-2021	<0.0005	0.00002	<0.0001	<0.005	<0.001	0.000034	<0.001	0.14	<0.0001	-	0.0985	102	<0.0005	<0.05	<0.0001	<0.0001	0.0246	0.000278	106	<0.0005	0.00018	0.00275	<0.01
MP-EFF-DC	12-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0523	<0.0001	-	0.0514	106	<0.0005	<0.05	<0.0001	<0.0001	0.0222	0.00014	105	<0.0005	<0.0001	0.0035	<0.01
MP-EFF-DC	13-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000035	<0.001	0.0951	<0.0001	-	0.107	106	<0.0005	<0.05	<0.0001	<0.0001	0.0241	0.000363	106	<0.0005	0.00021	0.00284	<0.01
MP-EFF-DC	14-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00003	<0.001	0.0918	<0.0001	-	0.23	113	<0.0005	<0.05	<0.0001	<0.0001	0.0257	0.000373	106	<0.0005	0.00022	0.0043	<0.01
MP-EFF-DC	15-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024	<0.001	0.073	<0.0001	-	0.145	101	<0.0005	<0.05	<0.0001	<0.0001	0.0264	0.000268	99.2	<0.0005	0.00014	0.00562	<0.01
MP-EFF-DC	16-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	<0.001	0.053	<0.0001	-	0.0735	103	<0.0005	<0.05	<0.0001	<0.0001	0.0228	0.0002	100	<0.0005	0.0001	0.00508	<0.01

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MP-EFF-DC	29-Oct-2021	<0.05	0.00346	7.47	0.0548	0.00127	<0.0004	<0.0002	3.02	0.00117	0.00106	1.2	0.354	<0.0002	<0.00005	7.5	0.00102	<0.0005	0.000029	<0.0001	<0.005	<0.001	0.00003
MP-EFF-DC	30-Oct-2021	<0.05	0.00361	7.4	0.0293	0.0019	0.00043	<0.0002	4.43	0.00289	0.0011	1.7	0.369	<0.0002	<0.00005	8.64	0.00256	<0.0005	0.000031	<0.0001	<0.005	<0.001	0.000028
MP-EFF-DC	31-Oct-2021	<0.05	0.0037	11.5	0.0643	0.00261	0.0007	<0.0002	5.04	0.00372	0.00113	1.8	0.378	<0.0002	<0.00005	9.43	0.00319	<0.0005	0.000033	<0.0001	<0.005	<0.001	0.00004
MP-EFF-DC	1-Nov-2021	<0.05	0.00404	13.2	0.0574	0.00206	0.00075	<0.0002	3.92	0.00243	0.00101	1.9	0.397	<0.0002	<0.00005	9.22	0.00206	<0.0005	0.000037	<0.0001	<0.005	<0.001	0.000034
MP-EFF-DC	2-Nov-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Nov-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	4-Nov-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	5-Nov-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	6-Nov-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	7-Nov-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	8-Nov-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	9-Nov-2021	<0.05	0.00389	12.7	0.0756	0.00216	0.00054	<0.0002	4.96	0.00159	0.00154	1.4	0.345	<0.0002	<0.00005	11	0.00139	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.000029
MP-EFF-DC	10-Nov-2021	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	11-Nov-2021	<0.05	0.00364	11.7	0.169	0.0017	0.00064	0.00021	4.09	0.00119	0.00113	1.5	0.353	<0.0002	<0.00005	10.5	0.00123	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000033
MP-EFF-DC	12-Nov-2021	<0.05	0.00352	11	0.069	0.00171	0.00051	<0.0002	4.65	0.00149	0.00168	1.4	0.328	<0.0002	<0.00005	10.6	0.00144	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000024
MP-EFF-DC	13-Nov-2021	<0.05	0.00366	12.3	0.0679	0.00177	0.00045	<0.0002	4.57	0.00139	0.00129	1.8	0.338	<0.0002	<0.00005	11.1	0.00143	<0.0005	0.000022	<0.0001	<0.005	<0.001	0.000022
MP-EFF-DC	14-Nov-2021	<0.05	0.00321	11.5	0.0614	0.00254	0.00044	<0.0002	3.88	0.00207	0.00144	1.7	0.314	<0.0002	<0.00005	9.71	0.00198	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022
MP-EFF-DC	15-Nov-2021	<0.05	0.00322	10.2	0.0593	0.00291	<0.0004	<0.0002	4.02	0.00254	0.00168	1.4	0.301	<0.0002	<0.00005	8.76	0.00235	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000029
MP-EFF-DC	16-Nov-2021	<0.05	0.00297	11.4	0.111	0.00204	0.00067	<0.0002	4.27	0.00243	0.00133	1.6	0.283	<0.0002	<0.00005	9.2	0.00226	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000035
MP-EFF-DC	17-Nov-2021	<0.05	0.00342	13.7	0.0843	0.00297	0.0009	<0.0002	4.87	0.00406	0.00158	2.5	0.307	<0.0002	<0.00005	10.3	0.00374	<0.0005	0.000022	<0.0001	<0.005	<0.001	0.000035
MP-EFF-DC	18-Nov-2021	<0.05	0.00306	13.6	0.0877	0.00435	0.00097	<0.0002	5.63	0.00676	0.0014	2.5	0.3	<0.0002	0.00005	10.8	0.00641	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000028
MP-EFF-DC	19-Nov-2021	<0.05	0.00302	13.9	0.0617	0.00448	0.0007	<0.0002	5.72	0.00813	0.00141	2.8	0.311	<0.0002	0.000057	10.8	0.00723	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025
MP-EFF-DC	20-Nov-2021	<0.05	0.00314	14.4	0.0518	0.00515	0.0006	<0.0002	6.2	0.00707	0.00134	2.8	0.333	<0.0002	<0.00005	11.6	0.00659	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	21-Nov-2021	<0.05	0.00333	14	0.0445	0.00498	0.00073	<0.0002	5.81	0.00631	0.0013	2.7	0.312	<0.0002	0.000059	11	0.00568	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002
MP-EFF-DC	22-Nov-2021	<0.05	0.00351	14.6	0.0723	0.00416	0.00072	<0.0002	6.17	0.00536	0.00121	2.7	0.328	<0.0002	<0.00005	11.6	0.00491	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000028
MP-EFF-DC	23-Nov-2021	0.224	0.00249	13.3	0.0907	0.00329	0.00078	<0.0002	5.58	0.00462	0.00157	2.9	0.329	<0.0002	<0.00005	11	0.00365	<0.0005	0.000027	<0.0001	<0.005	<0.001	0.000037
MP-EFF-DC	24-Nov-2021	0.222	0.0025	12.3	0.0984	0.00314	0.00094	<0.0002	5.21	0.00447	0.00143	2.6	0.311	<0.0002	<0.00005	10.3	0.00324	<0.0005	0.000025	<0.0001	<0.005	<0.001	0.000036
MP-EFF-DC	25-Nov-2021	0.131	0.00187	9.06	0.0483	0.00347	0.00058	<0.0002	5.16	0.00497	0.00103	2	0.274	<0.0002	<0.00005	8.99	0.00316	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.000032
MP-EFF-DC	26-Nov-2021	0.161	0.00199	7.2	0.0288	0.00218	0.0004	<0.0002	4.28	0.00256	0.00083	1.6	0.275	<0.0002	<0.00005	7.99	0.00183	<0.0005	0.000023	<0.0001	<0.005	<0.001	0.000026
MP-EFF-DC	27-Nov-2021	0.153	0.0019	7.58	0.024	0.00157	<0.0004	<0.0002	3.77	0.00328	0.00077	1.5	0.251	<0.0002	<0.00005	7.55	0.00214	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000021
MP-EFF-DC	28-Nov-2021	0.111	0.00175	7.21	0.032	0.00102	<0.0004	<0.0002	2.05	0.00148	0.00067	1.3	0.249	<0.0002	<0.00005	5.38	0.00095	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	29-Nov-2021	0.12	0.00192	7.69	0.0264	0.00078	<0.0004	<0.0002	1.4	0.00075	0.00064	1.5	0.262	<0.0002	<0.00005	5.07	0.00054	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026
MP-EFF-DC	30-Nov-2021	<0.05	0.00231	7.34	0.0249	0.0007	<0.0004	<0.0002	1.24	0.00049	0.00052	1.8	0.305	<0.0002	<0.00005	4.58	0.00056	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	1-Dec-2021	<0.05	0.00216	6.21	0.0403	0.00069	<0.0004	0.00221	1.1	0.00054	0.00059	1.8	0.284	<0.0002	<0.00005	3.78	0.00069	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	2-Dec-2021	<0.05	0.00208	7.14	0.0478	0.00075	<0.0004	<0.0002	1.28	0.00081	0.0006	1.6	0.266	<0.0002	<0.00005	3.93	0.00083	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	3-Dec-2021	<0.05	0.00249	10.4	0.0477	0.00208	0.0004	<0.0002	3.04	0.00227	0.00089	1.9	0.335	<0.0002	<0.00005	6.82	0.00241	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024
MP-EFF-DC	4-Dec-2021	<0.05	0.00286	11.2	0.0301	0.00363	0.00042	<0.0002	4.07	0.00342	0.00092	2.2	0.356	<0.0002	<0.00005	8.54	0.0033	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	5-Dec-2021	<0.05	0.0033	12.2	0.026	0.00417	<0.0004	<0.0002	4.76	0.00318	0.00097	2.5	0.418	<0.0002	<0.00005	10	0.00344	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	6-Dec-2021	<0.05	0.00316	11.9	0.0245	0.00573	<0.0004	<0.0002	5.05	0.0038	0.00119	2.7	0.422	<0.0002	<0.00005	11	0.00409	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	7-Dec-2021	<0.05	0.00308	12.9	0.0327	0.00592	0.00043	<0.0002	4.45	0.00398	0.00108	2.3	0.362	<0.0002	<0.00005	11.6	0.00345	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002
MP-EFF-DC	8-Dec-2021	<0.05	0.00303	13.5	0.0553	0.00579	0.00073	<0.0002	4.5	0.00389	0.00108	2.6	0.358	<0.0002	<0.00005	12.4	0.00338	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022
MP-EFF-DC	9-Dec-2021	<0.05	0.00298	13.6	0.0699	0.00574	0.00589	0.00042	4.8	0.00432	0.00099	2.8	0.354	<0.0002	<0.00005	12.7	0.00382	<0.0005	0.00002	<0.0001	<0.005	<0.001	0.000024
MP-EFF-DC	10-Dec-2021	<0.05	0.00308	12.5	0.0833	0.00312	0.00081	<0.0002	3.41	0.0025	0.00086	2.1	0.334	<0.0002	<0.00005	10.2	0.0023	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025
MP-EFF-DC	11-Dec-2021	<0.05	0.00276	12.2	0.0927	0.00243	0.00047	<0.0002	2.93	0.00206	0.00078	2.1	0.325	<0.0002	<0.00005	9.84	0.00172	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000027
MP-EFF-DC	12-Dec-2021	<0.05	0.00275	11.8	0.0359	0.00471	0.00044	<0.0002	4.05	0.00375	0.00096	2.6	0.337	<0.0002	<0.00005	11	0.00344	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	13-Dec-2021	<0.05	0.00321	11.7	0.0809	0.00251	<0.0004	<0.0002	3.26	0.00256	0.00075	2.2	0.338	<0.0002	<0.00005	9.2	0.00208	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000031
MP-EFF-DC	14-Dec-2021	<0.05	0.00334	11.2	0.0553	0.00438	<0.0004	<0.0002	5.35	0.0042	0.00143	2.3	0.335	<0.0002	<0.00005	11.6	0.00401	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00003
MP-EFF-DC	15-Dec-2021	<0.05	0.00314	10.4	0.0341	0.00573	<0.0004	<0.0002	5.65	0.00504	0.00125	2.5	0.322	<0.0002	<0.00005	11.5	0.00473	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022
MP-EFF-DC	16-Dec-2021	<0.05	0.00303	10.8	0.0227	0.00403	<0.0004	<0.0002	4.35	0.00351	0.00102	2.6	0.336	<0.0002	<0.00005	10.4	0.00341	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MP-EFF-DC	29-Oct-2021	<0.001	0.0593	<0.0001	-	-	-	-	-
MP-EFF-DC	30-Oct-2021	<0.001	0.0941	<0.0001	-	-	-	-	-
MP-EFF-DC	31-Oct-2021	<0.001	0.212	<0.0001	-	-	-	-	-
MP-EFF-DC	1-Nov-2021	<0.001	0.21	<0.0001	-	-	-	-	-
MP-EFF-DC	2-Nov-2021	-	0.154	-	-	-	-	-	-
MP-EFF-DC	3-Nov-2021	-	0.07	-	-	-	-	-	-
MP-EFF-DC	4-Nov-2021	-	0.0275	-	-	-	-	-	-
MP-EFF-DC	5-Nov-2021	-	0.0157	-	-	-	-	-	-
MP-EFF-DC	6-Nov-2021	-	0.0239	-	-	-	-	-	-
MP-EFF-DC	7-Nov-2021	-	0.0066	-	-	-	-	-	-
MP-EFF-DC	8-Nov-2021	-	0.0141	-	-	-	-	-	-
MP-EFF-DC	9-Nov-2021	<0.001	0.0455	<0.0001	-	-	-	-	-
MP-EFF-DC	10-Nov-2021	-	0.0425	-	-	-	-	-	-
MP-EFF-DC	11-Nov-2021	<0.001	0.0508	<0.0001	-	-	-	-	-
MP-EFF-DC	12-Nov-2021	<0.001	0.0338	<0.0001	-	-	-	-	-
MP-EFF-DC	13-Nov-2021	<0.001	0.0441	<0.0001	-	-	-	-	-
MP-EFF-DC	14-Nov-2021	<0.001	0.0367	<0.0001	-	-	-	-	-
MP-EFF-DC	15-Nov-2021	<0.001	0.0297	<0.0001	-	-	-	-	-
MP-EFF-DC	16-Nov-2021	<0.001	0.0877	<0.0001	-	-	-	-	-
MP-EFF-DC	17-Nov-2021	<0.001	0.116	<0.0001	-	-	-	-	-
MP-EFF-DC	18-Nov-2021	<0.001	0.0913	<0.0001	-	-	-	-	-
MP-EFF-DC	19-Nov-2021	<0.001	0.038	<0.0001	-	-	-	-	-
MP-EFF-DC	20-Nov-2021	<0.001	0.0322	<0.0001	-	-	-	-	-
MP-EFF-DC	21-Nov-2021	<0.001	0.0293	<0.0001	-	-	-	-	-
MP-EFF-DC	22-Nov-2021	<0.001	0.0382	<0.0001	-	-	-	-	-
MP-EFF-DC	23-Nov-2021	<0.001	0.0414	<0.0001	-	-	-	-	-
MP-EFF-DC	24-Nov-2021	<0.001	0.0422	<0.0001	-	-	-	-	-
MP-EFF-DC	25-Nov-2021	<0.001	0.0373	<0.0001	-	-	-	-	-
MP-EFF-DC	26-Nov-2021	<0.001	0.0187	<0.0001	-	-	-	-	-
MP-EFF-DC	27-Nov-2021	<0.001	0.0124	<0.0001	-	-	-	-	-
MP-EFF-DC	28-Nov-2021	<0.001	0.0225	<0.0001	-	-	-	-	-
MP-EFF-DC	29-Nov-2021	<0.001	0.007	<0.0001	-	-	-	-	-
MP-EFF-DC	30-Nov-2021	<0.001	0.0243	<0.0001	-	-	-	-	-
MP-EFF-DC	1-Dec-2021	<0.001	0.0942	<0.0001	-	-	-	-	-
MP-EFF-DC	2-Dec-2021	<0.001	0.0503	<0.0001	-	-	-	-	-
MP-EFF-DC	3-Dec-2021	<0.001	0.0487	<0.0001	-	-	-	-	-
MP-EFF-DC	4-Dec-2021	<0.001	0.0308	<0.0001	-	-	-	-	-
MP-EFF-DC	5-Dec-2021	<0.001	0.0283	<0.0001	-	-	-	-	-
MP-EFF-DC	6-Dec-2021	<0.001	0.0189	<0.0001	-	-	-	-	-
MP-EFF-DC	7-Dec-2021	<0.001	0.0321	<0.0001	-	-	-	-	-
MP-EFF-DC	8-Dec-2021	<0.001	0.0302	<0.0001	-	-	-	-	-
MP-EFF-DC	9-Dec-2021	<0.001	0.023	<0.0001	-	-	-	-	-
MP-EFF-DC	10-Dec-2021	<0.001	0.0426	<0.0001	-	-	-	-	-
MP-EFF-DC	11-Dec-2021	<0.001	0.0218	<0.0001	-	-	-	-	-
MP-EFF-DC	12-Dec-2021	<0.001	0.017	<0.0001	-	-	-	-	-
MP-EFF-DC	13-Dec-2021	<0.001	0.0495	<0.0001	-	-	-	-	-
MP-EFF-DC	14-Dec-2021	<0.001	0.0553	<0.0001	-	-	-	-	-
MP-EFF-DC	15-Dec-2021	<0.001	0.0429	<0.0001	-	-	-	-	-
MP-EFF-DC	16-Dec-2021	<0.001	0.0257	<0.0001	-	-	-	-	-

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21L3370	12	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	17-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L3370	13	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	18-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L3370	14	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	19-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L3749	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	20-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L3749	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	21-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L3749	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	22-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L3749	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	23-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L3749	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	24-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L3749	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	25-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L3749	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	26-Dec-2021	-	-	-	-	-	-	-	-	-	-
21L3749	8	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	27-Dec-2021	-	-	-	-	-	-	-	-	-	-
22A0605	1	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	28-Dec-2021	-	-	-	-	-	-	-	-	-	-
22A0605	2	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	29-Dec-2021	-	-	-	-	-	-	-	-	-	-
22A0605	3	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	30-Dec-2021	-	-	-	-	-	-	-	-	-	-
22A0605	4	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	31-Dec-2021	-	-	-	-	-	-	-	-	-	-
22A0605	5	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	1-Jan-2022	-	-	-	-	-	-	-	-	-	-
22A0605	6	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	2-Jan-2022	-	-	-	-	-	-	-	-	-	-
22A0605	7	No	Regular	MP-EFF DC (E100666)	MP-EFF-DC	3-Jan-2022	-	-	-	-	-	-	-	-	-	-
21D0779	1	No	Regular	MYRA STP (E311009)	MYRA STP	7-Apr-2021	-	-	-	-	-	396	-	-	-	-
21K3316	1	No	Regular	Myra STP (EM ID #E311009)	MYRA STP	24-Nov-2021	-	-	-	-	-	50.5	-	-	-	-
21J2034	4	No	Regular	PR-13 L	PR-13L	13-Oct-2021	8.02	230	-	-	-	17	-	113	<1	113
21A2062	4	No	Regular	PR-13L	PR-13L	21-Jan-2021	7.94	244	98.6	-	-	23.6	-	115	<1	115
21A2062	6	No	Replicate	PR-13L D	PR-13L	21-Jan-2021	7.94	245	104	-	-	-	-	118	<1	118
21B1332	3	No	Regular	PR-13L	PR-13L	10-Feb-2021	7.96	257	114	-	-	6.4	-	112	<1	112
21C1628	4	No	Regular	PR-13L	PR-13L	10-Mar-2021	7.79	237	95.2	-	-	7.8	-	101	<1	101
21D1854	7	No	Replicate	PR-13L D	PR-13L	14-Apr-2021	7.57	272	112	-	-	14.2	-	114	<1	114
21D1854	3	No	Regular	PR-13L	PR-13L	14-Apr-2021	7.64	268	112	-	-	12.4	-	84.3	<1	84.3
21K2057	7	No	Regular	PR-13L	PR-13L	15-Nov-2021	7.44	59.3	-	-	-	-	-	29.6	<1	29.6
21E0545	4	No	Regular	PR-13L	PR-13L	5-May-2021	8.02	262	-	-	-	4	-	115	<1	115
21F0686	4	No	Regular	PR-13L	PR-13L	2-Jun-2021	7.66	264	-	-	-	4.6	-	95	<1	95
21G0973	3	No	Regular	PR-13L	PR-13L	7-Jul-2021	8.09	239	-	-	-	3.8	-	122	<1	122
21H1128	4	No	Regular	PR-13L	PR-13L	10-Aug-2021	8.1	233	-	-	-	13.2	-	117	<1	117
21I2389	4	No	Replicate	PR-13L D	PR-13L	15-Sep-2021	7.83	236	-	-	-	7	-	118	<1	118
21I2389	3	No	Regular	PR-13L	PR-13L	15-Sep-2021	7.8	235	-	-	-	7.8	-	117	<1	117
21L2262	4	No	Regular	PR-13L	PR-13L	14-Dec-2021	7.8	205	-	-	-	16.4	-	101	<1	101
21J3298	1	No	Regular	TDF-EFF (EMD ID E207740)	TDF-EFF	22-Oct-2021	7.4	174	-	-	-	-	-	55.9	<1	55.9
21J3979	1	No	Regular	TDF-EFF (EMS ID E207740)	TDF-EFF	25-Oct-2021	7.26	143	-	-	-	-	-	21.2	<1	21.2
21J3979	2	No	Regular	TDF-EFF (EMS ID E207740)	TDF-EFF	26-Oct-2021	7.45	122	-	-	-	-	-	51.2	<1	51.2
21K1247	1	No	Regular	TDF-EFF (EMS ID E207740)	TDF-EFF	5-Nov-2021	6.79	176	-	-	-	-	-	57.2	<1	57.2
21K2545	1	No	Regular	TDF-EFF (EMS ID E207740)	TDF-EFF	15-Nov-2021	7.13	168	-	-	-	-	-	33.4	<1	33.4
21L0614	1	No	Regular	TDF-EFF (EMD ID E207740)	TDF-EFF	28-Nov-2021	7.2	109	-	-	-	-	-	38.3	<1	38.3
21L0614	2	No	Regular	TDF-EFF (EMD ID E207740)	TDF-EFF	1-Dec-2021	6.93	104	-	-	-	-	-	25.9	<1	25.9
21C1194	7	No	Regular	THELWOOD	Thelwood Creek	3-Mar-2021	7.29	65.4	49	-	-	-	2.7	34.3	<1	34.3
21D1862	7	No	Regular	THELWOOD	Thelwood Creek	14-Apr-2021	-	60.9	31.9	-	-	-	2.4	33.4	<1	33.4
21D1862	12	No	Replicate	THELWOOD D	Thelwood Creek	14-Apr-2021	-	58.2	28.2	-	-	-	2.1	31.7	<1	31.7
21G0905	7	No	Regular	THELWOOD	Thelwood Creek	7-Jul-2021	-	102	-	-	-	-	2.1	53.6	<1	53.6
21K1970	7	No	Regular	THELWOOD	Thelwood Creek	10-Nov-2021	-	57.7	-	-	-	<2	<2	31.4	<1	31.4

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MP-EFF-DC	17-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.124	109	<0.0005	<0.05	0.0242
MP-EFF-DC	18-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.161	109	<0.0005	<0.05	0.0244
MP-EFF-DC	19-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.229	112	<0.0005	<0.05	0.0222
MP-EFF-DC	20-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.101	97	<0.0005	<0.05	0.0226
MP-EFF-DC	21-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0669	104	<0.0005	<0.05	0.0257
MP-EFF-DC	22-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.109	103	<0.0005	<0.05	0.0305
MP-EFF-DC	23-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.178	93.2	<0.0005	<0.05	0.0255
MP-EFF-DC	24-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.173	99.8	0.00052	<0.05	0.0245
MP-EFF-DC	25-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.154	97.5	<0.0005	<0.05	0.0222
MP-EFF-DC	26-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.217	102	<0.0005	<0.05	0.02
MP-EFF-DC	27-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.251	106	<0.0005	<0.05	0.0212
MP-EFF-DC	28-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.199	128	<0.0005	<0.05	0.0214
MP-EFF-DC	29-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.184	119	<0.0005	<0.05	0.0211
MP-EFF-DC	30-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.194	110	<0.0005	<0.05	0.0226
MP-EFF-DC	31-Dec-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.158	110	<0.0005	<0.05	0.0263
MP-EFF-DC	1-Jan-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.146	109	<0.0005	<0.05	0.024
MP-EFF-DC	2-Jan-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.144	93.3	<0.0005	<0.05	0.0291
MP-EFF-DC	3-Jan-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.165	101	<0.0005	<0.05	0.0264
MYRA STP	7-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MYRA STP	24-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PR-13 L	13-Oct-2021	<1	<1	0.79	<0.1	17.8	-	-	-	-	-	-	-	-	-	0.55	5.5	0.00724	<0.05	0.281
PR-13L	21-Jan-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.491	9.4	0.00473	<0.05	0.306
PR-13L	21-Jan-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.168	7.5	0.00391	<0.05	0.189
PR-13L	10-Feb-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.15	6.6	0.00325	<0.05	0.14
PR-13L	10-Mar-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.105	8.8	0.00355	<0.05	0.149
PR-13L	14-Apr-2021	<1	<1	0.92	<0.1	23.1	-	-	-	-	-	-	-	-	-	0.425	8.6	0.00359	<0.05	0.205
PR-13L	14-Apr-2021	<1	<1	0.93	<0.1	23	-	-	-	-	-	-	-	-	-	0.315	6.7	0.00366	<0.05	0.213
PR-13L	15-Nov-2021	<1	<1	1.18	<0.1	2.8	-	-	-	-	-	-	-	-	-	0.0576	<3	0.00109	<0.05	0.0673
PR-13L	5-May-2021	<1	<1	0.86	0.12	20.1	-	-	-	-	-	-	-	-	-	0.0965	8.4	0.00657	<0.05	0.218
PR-13L	2-Jun-2021	<1	<1	0.77	0.19	16.2	-	-	-	-	-	-	-	-	-	0.162	6.5	0.00674	<0.05	0.369
PR-13L	7-Jul-2021	<1	<1	0.79	0.12	19.5	-	-	-	-	-	-	-	-	-	0.051	6.5	0.00722	0.0671	0.198
PR-13L	10-Aug-2021	<1	<1	0.72	<0.1	20.9	-	-	-	-	-	-	-	-	-	0.137	8.1	0.00584	0.0712	0.172
PR-13L	15-Sep-2021	<1	<1	0.89	0.13	25.3	-	-	-	-	-	-	-	-	-	0.147	8.4	0.0052	0.0821	0.187
PR-13L	15-Sep-2021	<1	<1	0.89	0.13	25.2	-	-	-	-	-	-	-	-	-	0.121	8	0.00541	0.0836	0.197
PR-13L	14-Dec-2021	<1	<1	0.74	<0.1	13.5	-	-	-	-	-	-	-	-	-	0.307	4.9	0.0041	<0.05	0.175
TDF-EFF	22-Oct-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.657	12.1	<0.0005	<0.05	0.0247
TDF-EFF	25-Oct-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.337	12.4	0.00009	0.0024	0.0167
TDF-EFF	26-Oct-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	0.286	5.5	0.000137	0.0021	0.0283
TDF-EFF	5-Nov-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	1.36	15.1	0.000995	0.0081	0.0912
TDF-EFF	15-Nov-2021	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	1.08	15.7	0.000217	0.0046	0.0451
TDF-EFF	28-Nov-2021	<1	<1	-	-	23.3	0.0747	0.0187	-	-	-	0.0145	0.0139	-	-	0.114	7.5	0.00006	0.0031	0.018
TDF-EFF	1-Dec-2021	<1	<1	-	-	26	0.0883	0.0323	-	-	-	0.0148	0.0124	-	-	0.392	10.6	0.000059	0.0028	0.0153
Thelwood Creek	3-Mar-2021	<1	<1	1	-	1.3	-	0.0601	0.06	<0.01	<0.05	-	-	-	-	-	-	-	-	-
Thelwood Creek	14-Apr-2021	<1	<1	0.95	-	1.3	-	0.0633	0.063	<0.01	<0.05	-	-	-	-	0.0325	<3	<0.0005	<0.05	<0.005
Thelwood Creek	14-Apr-2021	<1	<1	0.96	-	1.3	-	0.0716	0.072	<0.01	<0.05	-	-	-	-	0.0366	<3	<0.0005	<0.05	<0.005
Thelwood Creek	7-Jul-2021	<1	<1	0.63	-	1.7	-	<0.02	0.016	<0.01	<0.05	-	-	-	-	0.021	<3	<0.0005	<0.05	<0.005
Thelwood Creek	10-Nov-2021	<1	<1	0.8	-	1.1	-	0.0243	0.024	<0.01	<0.05	0.0065	0.0062	-	-	0.0441	<3	<0.0005	<0.05	<0.005

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MP-EFF-DC	17-Dec-2021	<0.0001	<0.0001	0.000228	105	<0.0005	0.00016	0.0101	0.031	<0.05	0.00297	10.6	0.0341	0.00715	<0.0004	0.00097	5.74	0.00181	<0.0002	2.7	<0.00005	12.2	0.348
MP-EFF-DC	18-Dec-2021	<0.0001	<0.0001	0.000227	106	<0.0005	0.00017	0.0111	0.028	<0.05	0.00292	11.1	0.0351	0.0071	<0.0004	0.00107	5.43	0.00189	<0.0002	2.6	<0.00005	12	0.361
MP-EFF-DC	19-Dec-2021	<0.0001	<0.0001	0.000307	107	<0.0005	0.0002	0.0124	0.034	<0.05	0.00313	11.6	0.0423	0.00776	<0.0004	0.00093	5.99	0.00229	<0.0002	2.8	<0.00005	12.9	0.363
MP-EFF-DC	20-Dec-2021	<0.0001	<0.0001	0.000217	122	<0.0005	0.00016	0.00949	0.022	<0.05	0.00297	8.88	0.0277	0.00803	0.00045	0.00053	6.2	0.00247	<0.0002	3.2	<0.00005	13.4	0.391
MP-EFF-DC	21-Dec-2021	<0.0001	<0.0001	0.000285	129	<0.0005	0.00018	0.00731	0.022	0.12	0.00342	11.7	0.0325	0.006	0.00045	0.00066	4.92	0.00179	<0.0002	3.7	<0.00005	12.9	0.431
MP-EFF-DC	22-Dec-2021	<0.0001	<0.0001	0.000261	122	<0.0005	0.00026	0.00586	0.029	<0.05	0.00332	12.5	0.051	0.0045	0.00054	0.00108	3.95	0.00128	<0.0002	3.5	<0.00005	12.1	0.414
MP-EFF-DC	23-Dec-2021	<0.0001	<0.0001	0.000486	118	<0.0005	0.00035	0.0146	0.063	0.144	0.00328	11.1	0.0827	0.00667	0.00091	0.0012	5.44	0.002	<0.0002	3	<0.00005	12.9	0.375
MP-EFF-DC	24-Dec-2021	<0.0001	<0.0001	0.000706	119	<0.0005	0.00067	0.0153	0.068	0.181	0.00333	12.6	0.162	0.00747	0.00156	0.00114	6.36	0.00218	<0.0002	3.1	0.000065	12.9	0.36
MP-EFF-DC	25-Dec-2021	<0.0001	<0.0001	0.000482	114	<0.0005	0.00047	0.0127	0.066	0.101	0.00304	13.2	0.126	0.0054	0.00133	0.00091	4.7	0.00158	<0.0002	3.3	<0.00005	11.2	0.35
MP-EFF-DC	26-Dec-2021	<0.0001	<0.0001	0.000449	121	<0.0005	0.00037	0.0133	0.082	0.132	0.00317	14.2	0.082	0.00238	0.00101	0.00119	3.13	0.00086	<0.0002	3.3	<0.00005	9.54	0.376
MP-EFF-DC	27-Dec-2021	<0.0001	<0.0001	0.000423	126	<0.0005	0.00032	0.0142	0.09	0.208	0.0034	14.7	0.0813	0.00133	0.00098	0.00113	3.02	0.00085	<0.0002	3	<0.00005	9.64	0.395
MP-EFF-DC	28-Dec-2021	<0.0001	<0.0001	0.000402	124	0.00051	0.00024	0.0081	0.052	<0.05	0.00373	14.5	0.0634	0.0012	0.0137	0.00119	3.14	0.00053	<0.0002	2.9	<0.00005	10.2	0.398
MP-EFF-DC	29-Dec-2021	<0.0001	<0.0001	0.000493	113	<0.0005	0.00032	0.0105	0.047	0.052	0.00336	12.9	0.0724	0.00316	0.00069	0.00137	3.85	0.00097	<0.0002	2.9	<0.00005	10.3	0.364
MP-EFF-DC	30-Dec-2021	<0.0001	<0.0001	0.000601	108	<0.0005	0.00037	0.0162	0.072	<0.05	0.00334	11.2	0.0644	0.00666	0.0008	0.00157	5.75	0.00186	<0.0002	2.8	0.000058	11.5	0.339
MP-EFF-DC	31-Dec-2021	<0.0001	<0.0001	0.000555	107	<0.0005	0.00039	0.0124	0.055	<0.05	0.00343	11.1	0.0776	0.0107	0.00091	0.00094	7.58	0.00257	<0.0002	2.8	0.000093	13.6	0.343
MP-EFF-DC	1-Jan-2022	<0.0001	<0.0001	0.000315	110	<0.0005	0.00026	0.0123	0.045	<0.05	0.00306	10.9	0.0515	0.0101	0.00062	0.00079	6.94	0.00193	<0.0002	3	0.000083	12	0.349
MP-EFF-DC	2-Jan-2022	<0.0001	<0.0001	0.000548	95.7	<0.0005	0.00032	0.0161	0.103	<0.05	0.00254	9.96	0.0624	0.00479	0.00072	0.00183	3.78	0.00079	<0.0002	2.6	<0.00005	9.83	0.31
MP-EFF-DC	3-Jan-2022	<0.0001	<0.0001	0.000657	99.5	<0.0005	0.00042	0.0161	0.113	<0.05	0.00271	11.8	0.0984	0.00207	0.00095	0.0021	2.56	0.00053	<0.0002	2.8	<0.00005	9.42	0.321
MYRA STP	7-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MYRA STP	24-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PR-13 L	13-Oct-2021	<0.0001	<0.0001	0.00135	41.8	0.00142	0.00036	0.0155	1.03	<0.05	0.00196	1.81	0.0384	0.00456	0.00146	0.0768	0.55	0.00131	<0.0002	3.6	0.000156	4.89	0.376
PR-13L	21-Jan-2021	0.00016	<0.0001	0.00265	44.9	0.00075	0.00049	0.0129	0.28	<0.05	0.00151	2.37	0.0711	0.00382	0.00148	0.14	1.47	0.00164	<0.0002	4.1	0.000083	3.74	0.536
PR-13L	21-Jan-2021	<0.0001	<0.0001	0.00143	40.2	<0.0005	0.00046	0.00473	0.07	<0.05	0.00131	2.21	0.0656	0.00375	0.00107	0.0602	1.34	0.00132	<0.0002	3.2	<0.00005	3.57	0.529
PR-13L	10-Feb-2021	<0.0001	<0.0001	0.00147	43.4	<0.0005	0.00058	0.00497	0.129	<0.05	0.00161	2.02	0.0707	0.00488	0.00113	0.0266	1.26	0.00172	<0.0002	3.2	<0.00005	4.03	0.611
PR-13L	10-Mar-2021	<0.0001	<0.0001	0.00218	34.8	<0.0005	0.00052	0.00507	0.104	<0.05	0.00123	1.79	0.0605	0.00294	0.00077	0.0295	0.86	0.00115	<0.0002	2.1	<0.00005	3.14	0.444
PR-13L	14-Apr-2021	<0.0001	<0.0001	0.00129	43.8	0.00064	0.00054	0.00549	0.295	<0.05	0.00169	2.63	0.0681	0.00412	0.00103	0.0473	1.74	0.00139	<0.0002	4	<0.00005	4.84	0.635
PR-13L	14-Apr-2021	<0.0001	<0.0001	0.00138	43.5	0.00059	0.00054	0.00511	0.261	<0.05	0.00168	2.65	0.0669	0.00398	0.00106	0.0494	1.75	0.00128	<0.0002	3.7	<0.00005	4.93	0.641
PR-13L	15-Nov-2021	<0.0001	<0.0001	0.000264	10.5	<0.0005	<0.0001	0.00361	0.04	<0.05	0.00016	0.434	0.00282	0.00043	0.00837	0.00621	0.1	<0.0005	<0.0002	<1	<0.00005	1.01	0.037
PR-13L	5-May-2021	<0.0001	<0.0001	0.000865	41.3	<0.0005	0.00025	0.00433	0.126	<0.05	0.00189	1.78	0.0337	0.00508	0.0008	0.0332	0.97	0.0011	<0.0002	2.9	<0.00005	5.2	0.466
PR-13L	2-Jun-2021	<0.0001	<0.0001	0.00166	42.7	0.00051	0.00186	0.0119	0.335	<0.05	0.00231	1.62	0.341	0.00478	0.00114	0.2	0.59	0.00133	<0.0002	3.2	0.000065	5.04	0.369
PR-13L	7-Jul-2021	<0.0001	<0.0001	0.00071	44.5	<0.0005	0.00015	0.00426	0.227	<0.05	0.00268	1.72	0.0201	0.00593	0.00065	0.0296	0.48	0.00163	<0.0002	3.7	<0.00005	6.08	0.424
PR-13L	10-Aug-2021	<0.0001	<0.0001	0.00064	42.6	<0.0005	0.00015	0.00614	0.324	<0.05	0.00294	1.67	0.0196	0.00577	0.00072	0.0316	0.42	0.00148	<0.0002	2.8	<0.00005	6.36	0.385
PR-13L	15-Sep-2021	<0.0001	<0.0001	0.00112	41	<0.0005	0.00017	0.00714	0.326	<0.05	0.00305	1.59	0.0225	0.00574	0.001	0.0379	0.51	0.00145	<0.0002	3.1	<0.00005	6.38	0.4
PR-13L	15-Sep-2021	<0.0001	<0.0001	0.00101	41.7	0.00052	0.00019	0.00738	0.333	<0.05	0.00316	1.6	0.0225	0.00588	0.00169	0.0388	0.54	0.00167	<0.0002	3	<0.00005	6.49	0.402
PR-13L	14-Dec-2021	<0.0001	<0.0001	0.000809	37.3	0.00059	0.00019	0.00725	0.341	<0.05	0.0015	1.42	0.0247	0.00386	0.00061	0.0313	0.46	0.00105	<0.0002	3.1	0.000059	3.65	0.29
TDF-EFF	22-Oct-2021	<0.0001	<0.0001	0.002	31.2	<0.0005	0.00142	0.0709	0.037	<0.05	0.00033	2.16	0.139	0.00016	0.00222	0.00109	0.13	<0.0005	<0.0002	2.5	<0.00005	1.01	0.0287
TDF-EFF	25-Oct-2021	0.000019	<0.00001	0.00145	24	0.00048	0.00115	0.0471	0.164	<0.01	0.000321	1.49	0.0988	0.000137	0.00223	0.00031	0.15	<0.0001	<0.00005	2.49	<0.00001	0.838	0.0244
TDF-EFF	26-Oct-2021	0.000013	<0.00001	0.000711	22	0.00036	0.000327	0.0262	0.106	<0.01	0.000163	0.945	0.0362	0.000178	0.000755	0.00157	0.112	<0.0001	<0.00005	2.09	<0.00001	0.775	0.0199
TDF-EFF	5-Nov-2021	0.000042	0.000035	0.00401	28.8	0.00056	0.00305	0.162	0.398	0.014	0.000556	2.76	0.244	0.00335	0.00388	0.0433	0.267	0.00014	<0.00005	3.34	0.000164	1.01	0.0355
TDF-EFF	15-Nov-2021	0.000039	<0.00001	0.00311	35.4	0.00039	0.00277	0.131	0.0641	<0.01	0.000505	2.74	0.23	0.00026	0.00382	0.00862	0.127	<0.0001	<0.00005	3.09	0.000027	0.997	0.0345
TDF-EFF	28-Nov-2021	<0.00001	<0.00001	0.000842	20	0.00021	0.000513	0.0237	0.0551	<0.01	0.000166	1.22	0.0461	0.000105	0.00105	0.000207	0.117	<0.0001	<0.00005	2.27	<0.00001	0.731	0.0223
TDF-EFF	1-Dec-2021	0.000025	<0.00001	0.00122	17.5	0.00036	0.00121	0.0491	0.291	<0.01	0.00027	1.44	0.103	0.000091	0.00292	0.00035	0.125	<0.0001	<0.00005	2.2	<0.00001	0.703	0.0197
Thelwood Creek	3-Mar-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thelwood Creek	14-Apr-2021	<0.0001	<0.0001	<0.00001	10.5	<0.0005	<0.0001	<0.0004	<0.01	<0.05	<0.0001	0.685	0.00095	0.00019	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.8	<0.00005	0.86	0.0122
Thelwood Creek	14-Apr-2021	<0.0001	<0.0001	<0.00001	10.2	<0.0005	<0.0001	<0.0004	0.015	<0.05	<0.0001	0.658	0.00106	0.00023	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	2	<0.00005	0.87	0.0111
Thelwood Creek	7-Jul-2021	<0.0001	<0.0001	<0.00001	17	<0.0005	<0.0001	<0.0004	0.025	<0.05	<0.0001	1.44	0.00127	0.00035	<0.0004	<0.0002	0.12	<0.0005	<0.0002	3.4	<0.00005	1.8	0.016
Thelwood Creek	10-Nov-2021	<0.0001	<0.0001	<0.00001	11.1	0.00067	<0.0001	0.00053	0.021	<0.05	<0.0001	0.592	0.00123	0.00019	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.8	<0.00005	0.72	0.0105

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MP-EFF-DC	17-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	<0.001	0.056	<0.0001	-	0.0989	101	<0.0005	<0.05	<0.0001	<0.0001	0.0207	0.000152	101	<0.0005	0.00011	0.00532	<0.01
MP-EFF-DC	18-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	<0.001	0.0543	<0.0001	-	0.0917	106	<0.0005	<0.05	<0.0001	<0.0001	0.0215	0.000154	103	<0.0005	<0.0001	0.00636	<0.01
MP-EFF-DC	19-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	<0.001	0.0733	<0.0001	-	0.117	107	<0.0005	<0.05	<0.0001	<0.0001	0.0214	0.000213	101	<0.0005	0.00013	0.0073	<0.01
MP-EFF-DC	20-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0511	<0.0001	-	0.0653	99.3	<0.0005	<0.05	<0.0001	<0.0001	0.0234	0.000218	116	<0.0005	0.00013	0.00628	<0.01
MP-EFF-DC	21-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.061	<0.0001	-	0.051	106	<0.0005	<0.05	<0.0001	<0.0001	0.0238	0.000253	123	<0.0005	0.00012	0.00448	<0.01
MP-EFF-DC	22-Dec-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0624	<0.0001	-	0.0632	101	<0.0005	<0.05	<0.0001	<0.0001	0.023	0.000209	114	<0.0005	0.00021	0.00312	<0.01
MP-EFF-DC	23-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000027	<0.001	0.139	<0.0001	-	0.112	93.8	<0.0005	<0.05	<0.0001	<0.0001	0.0231	0.000369	111	<0.0005	0.00026	0.00679	<0.01
MP-EFF-DC	24-Dec-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000042	<0.001	0.204	<0.0001	-	0.0807	98.3	<0.0005	<0.05	<0.0001	<0.0001	0.0227	0.000525	111	<0.0005	0.00055	0.00613	<0.01
MP-EFF-DC	25-Dec-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000039	<0.001	0.154	<0.0001	-	0.0868	93.8	<0.0005	<0.05	<0.0001	<0.0001	0.0207	0.000325	106	<0.0005	0.00041	0.00421	<0.01
MP-EFF-DC	26-Dec-2021	<0.0005	0.000023	<0.0001	<0.005	<0.001	0.000036	<0.001	0.14	<0.0001	-	0.111	99.5	<0.0005	<0.05	<0.0001	<0.0001	0.0179	0.000229	114	<0.0005	0.00021	0.00307	<0.01
MP-EFF-DC	27-Dec-2021	<0.0005	0.000025	<0.0001	<0.005	<0.001	0.000035	<0.001	0.134	<0.0001	-	0.15	108	<0.0005	<0.05	<0.0001	<0.0001	0.0185	0.000197	120	<0.0005	0.00017	0.00336	<0.01
MP-EFF-DC	28-Dec-2021	<0.0005	0.00003	<0.0001	<0.005	<0.001	0.000033	<0.001	0.0836	<0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	29-Dec-2021	<0.0005	0.000026	<0.0001	<0.005	<0.001	0.000037	<0.001	0.111	<0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	30-Dec-2021	<0.0005	0.000025	<0.0001	<0.005	<0.001	0.000034	<0.001	0.151	<0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	31-Dec-2021	<0.0005	0.000023	<0.0001	<0.005	<0.001	0.000036	<0.001	0.137	<0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	1-Jan-2022	<0.0005	0.000025	<0.0001	<0.005	<0.001	0.000027	<0.001	0.0805	<0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	2-Jan-2022	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	<0.001	0.136	<0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Jan-2022	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000026	<0.001	0.166	<0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MYRA STP	7-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MYRA STP	24-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PR-13 L	13-Oct-2021	<0.0005	<0.00002	<0.0001	0.0058	<0.001	0.000444	<0.001	0.292	0.00024	-	0.0058	8.3	0.00357	<0.05	<0.0001	<0.0001	0.0939	0.000683	40.3	<0.0005	0.00014	0.00101	0.01
PR-13L	21-Jan-2021	<0.0005	0.000046	<0.0001	<0.005	<0.001	0.000275	<0.001	0.595	0.00073	-	0.0073	5.6	0.00297	<0.05	<0.0001	<0.0001	0.0847	0.000938	36.1	0.00067	0.00044	0.00096	<0.01
PR-13L	21-Jan-2021	<0.0005	0.000029	<0.0001	<0.005	<0.001	0.000239	<0.001	0.32	<0.0001	-	0.0081	6	0.0031	<0.05	<0.0001	<0.0001	0.093	0.0011	38.7	<0.0005	0.00047	0.00129	0.045
PR-13L	10-Feb-2021	<0.0005	0.000026	<0.0001	<0.005	0.001	0.000275	<0.001	0.343	<0.0001	-	0.0304	7.7	0.00242	<0.05	<0.0001	<0.0001	0.0955	0.00122	42.7	<0.0005	0.00056	0.0057	0.041
PR-13L	10-Mar-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000228	<0.001	0.549	<0.0001	-	<0.005	8.1	0.00384	<0.05	<0.0001	<0.0001	0.0785	0.00248	35.1	<0.0005	0.00056	0.00325	<0.01
PR-13L	14-Apr-2021	<0.0005	0.000037	<0.0001	<0.005	<0.001	0.000215	<0.001	0.329	0.00014	<0.00001	0.0063	7.4	0.00265	0.0516	<0.0001	<0.0001	0.0865	0.000997	41.2	<0.0005	0.00043	0.00189	<0.01
PR-13L	14-Apr-2021	<0.0005	0.000029	<0.0001	<0.005	<0.001	0.000199	<0.001	0.337	0.00019	<0.00001	0.0069	6.1	0.00257	0.0593	<0.0001	<0.0001	0.0882	0.000992	41.3	<0.0005	0.00041	0.00178	<0.01
PR-13L	15-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025	<0.001	0.0716	<0.0001	<0.00001	0.017	<3	0.0007	<0.05	<0.0001	<0.0001	0.0524	0.000256	10.1	<0.0005	<0.0001	0.00208	<0.01
PR-13L	5-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000392	<0.001	0.207	<0.0001	-	0.008	9.3	0.00594	0.0503	<0.0001	<0.0001	0.106	0.000738	45	<0.0005	0.00023	0.00168	<0.01
PR-13L	2-Jun-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000418	<0.001	0.359	<0.0001	-	0.0052	5.2	0.00508	0.054	<0.0001	<0.0001	0.13	0.000405	42.3	<0.0005	0.00013	0.00049	<0.01
PR-13L	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000461	<0.001	0.131	<0.0001	<0.00001	<0.005	6.1	0.00452	0.0614	<0.0001	<0.0001	0.109	0.000501	39.9	<0.0005	<0.0001	0.00089	<0.01
PR-13L	10-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000482	0.0016	0.125	<0.0001	-	0.0095	7.7	0.0044	0.0641	<0.0001	<0.0001	0.104	0.00043	39.7	<0.0005	<0.0001	0.0014	<0.01
PR-13L	15-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000551	<0.001	0.181	<0.0001	-	0.0142	8.1	0.00383	0.0721	<0.0001	<0.0001	0.103	0.000737	44.1	<0.0005	0.00024	0.00226	0.033
PR-13L	15-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00053	<0.001	0.183	<0.0001	-	0.0709	12.4	0.00675	0.105	<0.0001	<0.0001	0.214	0.00125	63.2	<0.0005	0.00019	0.0063	0.218
PR-13L	14-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000346	<0.001	0.145	0.00036	-	<0.005	3.9	0.00277	<0.05	<0.0001	<0.0001	0.0925	0.000574	38.1	<0.0005	0.00014	0.0009	<0.01
TDF-EFF	22-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.483	<0.0001	-	0.0189	11.2	<0.0005	<0.05	<0.0001	<0.0001	0.0236	0.00163	28.6	<0.0005	0.00137	0.0452	<0.01
TDF-EFF	25-Oct-2021	<0.00005	<0.000004	<0.00001	0.00036	<0.0002	0.0000124	0.00078	0.355	<0.00002	-	0.0457	11.8	<0.00005	0.0021	0.000019	<0.00001	0.0165	0.00147	23.6	0.00029	0.00116	0.0408	0.0097
TDF-EFF	26-Oct-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000099	0.00081	0.149	<0.00002	-	0.0338	5.87	0.00006	<0.002	<0.00001	<0.00001	0.0197	0.000703	21.7	0.00024	0.000305	0.0173	0.0029
TDF-EFF	5-Nov-2021	<0.00005	0.0000084	0.000012	0.012	<0.0002	0.0000782	0.00103	0.95	0.000149	-	0.0306	10.5	0.000075	0.003	0.000015	<0.00001	0.027	0.00271	26.7	0.00021	0.00195	0.0631	<0.002
TDF-EFF	15-Nov-2021	<0.00005	<0.000004	<0.00001	0.00157	<0.0002	0.0000269	0.00023	0.731	<0.00002	-	0.0294	13	0.000097	0.0038	0.000034	0.000042	0.0262	0.0026	30.1	0.00029	0.00238	0.0581	0.0099
TDF-EFF	28-Nov-2021	<0.00005	<0.000004	<0.00001	0.00025	<0.0002	0.0000031	0.00028	0.173	<0.00002	-	0.0418	7.37	<0.00005	0.0025	<0.00001	<0.00001	0.0152	0.000773	17.9	0.0001	0.000457	0.02	0.0113
TDF-EFF	1-Dec-2021	<0.00005	<0.000004	<0.00001	0.00072	<0.0002	0.00001	0.00028	0.266	<0.00002	-	0.0562	8.87	<0.00005	<0.002	0.000015	<0.00001	0.0135	0.00103	16.2	0.00011	0.00103	0.0374	0.0201
Thelwood Creek	3-Mar-2021	-	-	-	-	-	-	-	-	-	-	0.0073	3.5	<0.0005	<0.05	<0.0001	<0.0001	0.0051	<0.00001	17.6	<0.0005	<0.0001	0.00047	<0.01
Thelwood Creek	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	<0.004	<0.0001	<0.00001	0.0185	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	11.5	<0.0005	<0.0001	<0.0004	<0.01
Thelwood Creek	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	<0.004	<0.0001	<0.00001	0.0245	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	10.2	<0.0005	<0.0001	<0.0004	<0.01
Thelwood Creek	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	<0.004	<0.0001	<0.00001	0.0091	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	15.1	<0.0005	<0.0001	<0.0004	<0.01
Thelwood Creek	10-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0042	<0.0001	<0.00001	0.0302	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	10.7	<0.0005	<0.0001	0.00058	<0.01

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MP-EFF-DC	17-Dec-2021	<0.05	0.00285	9.95	0.0199	0.00672	<0.0004	<0.0002	5.44	0.00466	0.00171	2.4	0.324	<0.0002	<0.00005	11.4	0.00424	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	18-Dec-2021	<0.05	0.0029	10.7	0.0233	0.0069	<0.0004	<0.0002	5.28	0.00386	0.00164	2.4	0.351	<0.0002	<0.00005	11.5	0.00358	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	19-Dec-2021	<0.05	0.00304	11.1	0.0283	0.00744	<0.0004	<0.0002	5.73	0.00539	0.00198	2.7	0.353	<0.0002	<0.00005	12.4	0.00491	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002
MP-EFF-DC	20-Dec-2021	<0.05	0.00292	8.42	0.0167	0.00765	<0.0004	<0.0002	5.99	0.00565	0.00214	2.8	0.377	<0.0002	<0.00005	12.8	0.00546	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	21-Dec-2021	<0.05	0.00334	10.8	0.0233	0.00552	0.00046	<0.0002	4.73	0.004	0.00153	2.9	0.411	<0.0002	<0.00005	12.2	0.00374	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	22-Dec-2021	<0.05	0.00323	11.7	0.0395	0.00398	0.00056	<0.0002	3.76	0.00326	0.00117	2.7	0.388	<0.0002	<0.00005	11.4	0.00291	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MP-EFF-DC	23-Dec-2021	<0.05	0.00309	10.1	0.0638	0.00597	0.00079	<0.0002	5.02	0.00555	0.00166	2.3	0.349	<0.0002	<0.00005	11.9	0.00488	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021
MP-EFF-DC	24-Dec-2021	<0.05	0.00314	11.6	0.136	0.00679	0.00125	<0.0002	5.92	0.00813	0.00185	2.6	0.336	<0.0002	0.000053	12	0.00726	<0.0005	0.000022	<0.0001	<0.005	<0.001	0.000036
MP-EFF-DC	25-Dec-2021	<0.05	0.00295	12.4	0.103	0.00465	0.00123	<0.0002	4.48	0.00606	0.0013	2.8	0.327	<0.0002	<0.00005	10.6	0.00547	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000031
MP-EFF-DC	26-Dec-2021	<0.05	0.00304	13.2	0.0563	0.00212	0.00061	<0.0002	2.93	0.00253	0.00086	2.6	0.352	<0.0002	<0.00005	9.13	0.00238	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000028
MP-EFF-DC	27-Dec-2021	<0.05	0.00326	14.1	0.0544	0.00126	0.00066	<0.0002	2.88	0.0016	0.00086	2.3	0.378	<0.0002	<0.00005	9.18	0.00134	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000032
MP-EFF-DC	28-Dec-2021	-	-	-	-	-	-	-	-	0.00092	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	29-Dec-2021	-	-	-	-	-	-	-	-	0.00297	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	30-Dec-2021	-	-	-	-	-	-	-	-	0.00666	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	31-Dec-2021	-	-	-	-	-	-	-	-	0.00894	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	1-Jan-2022	-	-	-	-	-	-	-	-	0.00717	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	2-Jan-2022	-	-	-	-	-	-	-	-	0.00313	-	-	-	-	-	-	-	-	-	-	-	-	-
MP-EFF-DC	3-Jan-2022	-	-	-	-	-	-	-	-	0.00139	-	-	-	-	-	-	-	-	-	-	-	-	-
MYRA STP	7-Apr-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MYRA STP	24-Nov-2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PR-13 L	13-Oct-2021	<0.05	0.00184	1.31	0.0238	0.00429	0.00088	0.00377	0.4	0.0033	0.00144	3	0.329	<0.0002	<0.00005	4.35	0.00248	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000376
PR-13L	21-Jan-2021	<0.05	0.00109	2.01	0.0592	0.00351	0.00114	0.0116	1.13	0.00413	0.00165	2.8	0.472	<0.0002	<0.00005	3.46	0.0034	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.000184
PR-13L	21-Jan-2021	<0.05	0.00114	1.89	0.0661	0.00404	0.00061	0.0128	1.08	0.0039	0.00149	2.6	0.538	<0.0002	<0.00005	3.18	0.00396	<0.0005	0.000027	<0.0001	<0.005	<0.001	0.000207
PR-13L	10-Feb-2021	<0.05	0.00172	1.91	0.0698	0.00468	0.0027	0.0164	1.21	0.00489	0.00171	2.5	0.576	<0.0002	<0.00005	3.95	0.00461	<0.0005	0.000025	<0.0001	<0.005	0.001	0.000282
PR-13L	10-Mar-2021	<0.05	0.00112	1.82	0.0587	0.00386	0.00076	0.0156	0.9	0.00323	0.00167	2	0.534	<0.0002	<0.00005	2.95	0.00388	<0.0005	0.00002	<0.0001	<0.005	<0.001	0.000236
PR-13L	14-Apr-2021	<0.05	0.00154	2.17	0.0558	0.00393	0.00073	0.0216	1.45	0.00379	0.00105	3	0.613	<0.0002	<0.00005	4.69	0.00349	<0.0005	0.000023	<0.0001	<0.005	<0.001	0.000179
PR-13L	14-Apr-2021	<0.05	0.00158	2.14	0.0557	0.00414	0.00066	0.0219	1.49	0.00381	0.00126	2.7	0.607	<0.0002	<0.00005	4.67	0.00355	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.000179
PR-13L	15-Nov-2021	<0.05	0.00013	0.428	0.00215	0.0003	<0.0004	0.0031	<0.1	0.00027	<0.0005	<1	0.0326	<0.0002	<0.00005	0.96	0.00021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021
PR-13L	5-May-2021	<0.05	0.002	1.86	0.0267	0.00508	0.00056	0.0106	0.98	0.0033	0.00147	3.2	0.508	<0.0002	<0.00005	5.52	0.00338	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000395
PR-13L	2-Jun-2021	<0.05	0.00243	1.53	0.0174	0.00529	0.00043	0.00462	0.46	0.00268	0.00163	3	0.369	<0.0002	<0.00005	5.11	0.00267	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000416
PR-13L	7-Jul-2021	<0.05	0.00229	1.57	0.0144	0.00564	0.00049	0.00452	0.43	0.0038	0.00142	3.7	0.368	<0.0002	<0.00005	5.72	0.00299	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000426
PR-13L	10-Aug-2021	<0.05	0.00248	1.55	0.0143	0.00615	0.00046	0.00271	0.38	0.00371	0.00168	3	0.395	<0.0002	<0.00005	5.88	0.0035	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000492
PR-13L	15-Sep-2021	<0.05	0.00274	1.64	0.0183	0.00612	0.00163	0.00394	0.46	0.00449	0.00147	2.9	0.397	<0.0002	<0.00005	6.56	0.00409	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000468
PR-13L	15-Sep-2021	<0.05	0.0041	2.43	0.0295	0.00891	0.00101	0.0293	0.72	0.00448	0.00203	4.2	0.606	<0.0002	<0.00005	9.84	0.00616	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000728
PR-13L	14-Dec-2021	<0.05	0.00145	1.27	0.0191	0.00362	<0.0004	0.00465	0.34	0.00222	0.00103	2.6	0.291	<0.0002	<0.00005	3.53	0.00188	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000301
TDF-EFF	22-Oct-2021	<0.05	<0.0001	1.66	0.131	0.00012	0.00212	0.00035	0.2	<0.0002	0.00068	2.2	0.0276	<0.0002	<0.00005	0.82	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
TDF-EFF	25-Oct-2021	<0.01	0.000303	1.54	0.0963	0.000119	0.00211	0.000057	0.148	0.000062	<0.0001	2.43	0.0243	<0.00005	<0.00001	0.871	0.000067	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000002
TDF-EFF	26-Oct-2021	<0.01	0.000155	0.958	0.0329	0.000139	0.000687	0.000106	0.112	0.00006	<0.0001	1.89	0.0192	<0.00005	<0.00001	0.787	0.000062	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000019
TDF-EFF	5-Nov-2021	<0.01	0.00035	2.07	0.15	0.000181	0.00261	0.00324	0.125	0.000372	<0.0001	2.14	0.0248	<0.00005	<0.00001	0.832	0.000114	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000027
TDF-EFF	15-Nov-2021	<0.01	0.000497	2.32	0.19	0.000224	0.00325	0.000986	0.154	0.000174	<0.0001	2.63	0.0291	<0.00005	0.000028	0.914	0.000093	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000026
TDF-EFF	28-Nov-2021	<0.01	0.000132	1.11	0.0414	0.000091	0.000912	0.000052	0.103	0.000055	<0.0001	2.03	0.0188	<0.00005	<0.00001	0.667	<0.00005	0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000016
TDF-EFF	1-Dec-2021	<0.01	0.000204	1.24	0.0897	0.000062	0.00177	0.000056	0.108	<0.00005	<0.0001	1.94	0.0178	<0.00005	<0.00001	0.62	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000016
Thelwood Creek	3-Mar-2021	<0.05	0.00157	1.19	0.00037	0.00015	<0.0004	<0.0002	<0.1	-	<0.0005	3.3	0.0148	<0.0002	<0.00005	0.74	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Thelwood Creek	14-Apr-2021	<0.05	<0.0001	0.76	0.00053	0.00016	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	2	0.0117	<0.0002	<0.00005	0.82	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Thelwood Creek	14-Apr-2021	<0.05	<0.0001	0.636	0.00058	0.00017	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.8	0.0111	<0.0002	<0.00005	0.82	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Thelwood Creek	7-Jul-2021	<0.05	0.00013	1.23	0.00031	0.00022	<0.0004	<0.0002	0.1	<0.0002	<0.0005	2.8	0.0139	<0.0002	<0.00005	0.73	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Thelwood Creek	10-Nov-2021	<0.05	<0.0001	0.556	0.00073	0.00018	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.7	0.0096	<0.0002	<0.00005	0.65	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21B0564	2	No	Regular	24 LVL East	24 LVL East	2-Feb-2021						23				
21B0564	1	No	Regular	24 LVL West	24 LVL West	2-Feb-2021						27300				
21J3988	1	No	Regular	25 Sump Spill	25 Sump Spill	25-Oct-2021	5.29	156				487		<1	<1	<1
21C1194	2	No	Regular	3-RUNOFF	3-RUNOFF	3-Mar-2021	7.1	231	107				7.8	33.6	<1	33.6
21D1862	2	No	Regular	3-RUNOFF	3-RUNOFF	14-Apr-2021		199	86.3				8	55.7	<1	55.7
21G0905	2	No	Regular	3-RUNOFF	3-RUNOFF	7-Jul-2021		219					3.4	76.3	<1	76.3
21K1970	2	No	Regular	3-RUNOFF	3-RUNOFF	10-Nov-2021		142				3.4	6.5	11.5	<1	11.5
21C1194	11	No	Regular	7-ARNICA	7-ARNICA	3-Mar-2021	7.8	174	72.5				2.5	66.2	<1	66.2
21D1862	11	No	Regular	7-ARNICA	7-ARNICA	14-Apr-2021		164	77.7				2	77	<1	77
21G0905	11	No	Regular	7-ARNICA	7-ARNICA	7-Jul-2021		94.6					<2	55.2	<1	55.2
21K1970	11	No	Regular	7-ARNICA	7-ARNICA	10-Nov-2021		132				<2	<2	62.7	<1	62.7
21G0905	12	No	Regular	7-ARNICA D	7-ARNICA D	7-Jul-2021		94.6					<2	54.5	<1	54.5
21K1996	1	No	Regular	Arnica Ditch	Arnica Ditch	12-Nov-2021	6.72	229						4.9	<1	4.9
21H2935	2	No	Regular	Arnica Raw	Arnica Raw	24-Aug-2021										
21L3067	1	No	Regular	Arnica Source Raw	Arnica Source Raw	17-Dec-2021	7.65	135			0.17	<2		71.6	<1	71.6
21K1970	12	No	Regular	Backfill	Backfill	10-Nov-2021		126				<2	<2	7.3	<1	7.3
21K3343	2	No	Regular	BOX	BOX	24-Nov-2021										
21K3343	3	No	Regular	BOX 2	BOX 2	24-Nov-2021										
21K3343	8	No	Regular	BUCKET	BUCKET	24-Nov-2021										
21L1648	1	No	Regular	Car Bridge Seep	Car Bridge Seep	9-Dec-2021	6.18							13.8	<1	13.8
21K1253	1	No	Regular	CRAB DS1	CRAB DS1	8-Nov-2021	7.38	64.2				14.4		49.5	<1	49.5
21K1970	13	No	Regular	CRAB LOWER	CRAB LOWER	10-Nov-2021		70.3				<2	<2	38.2	<1	38.2
21D1854	4	No	Regular	Crab UPPER	Crab UPPER	15-Apr-2021	7.33	99.9	46.1			<2		61.8	<1	61.8
21F0686	5	No	Regular	CRAB UPPER	CRAB UPPER	2-Jun-2021	7.35	130				2.8		65	<1	65
21K1970	14	No	Regular	CRAB UPPER	CRAB UPPER	10-Nov-2021		67.5				3.6	<2	36.4	<1	36.4
21K1970	17	No	Regular	CRAB UPPER DUP	CRAB UPPER DUP	10-Nov-2021		68				<2	<2	36.5	<1	36.5
21C1277	3	No	Regular	CRAB-DS1	CRAB-DS1	5-Feb-2021	7.83	94.1				526		53.9	<1	53.9
21C1277	4	No	Regular	CRAB-DS2	CRAB-DS2	5-Feb-2021	7.79	89.8				510		49.5	<1	49.5
21C1277	2	No	Regular	CRAB-Lower	CRAB-Lower	5-Feb-2021	7.79	84.1				398		48.3	<1	48.3
21C1277	1	No	Regular	CRAB-Upper	CRAB-Upper	5-Feb-2021	7.85	93.5				358		56	<1	56
21G0902	7	No	Regular	Daily Lab Blank	Daily Lab Blank	6-Jul-2021										
21I2397	8	No	Regular	DI Squirter	DI Squirter	16-Sep-2021										
21A2059	6	No	Regular	DRAIN LONG	DRAIN LONG	21-Jan-2021	6.59	527						30.1	<1	30.1
21E2294	11	No	Regular	DRAIN LONG	DRAIN LONG	6-May-2021	6.85	527						28.7	<1	28.7
21E3248	6	No	Regular	DRAIN LONG	DRAIN LONG	25-May-2021	4.87	663						<1	<1	<1
21G3561	5	No	Regular	DRAIN LONG	DRAIN LONG	25-Jul-2021	4.71	909						<1	<1	<1
21K0622	3	No	Regular	DRAIN LONG	DRAIN LONG	31-Oct-2021	6.67	342						20.7	<1	20.7
21A2059	5	No	Regular	DRAIN MED	DRAIN MED	21-Jan-2021	6.12	557						15.2	<1	15.2
21E2294	10	No	Regular	DRAIN MED	DRAIN MED	6-May-2021	4.87	764						<1	<1	<1
21E3248	5	No	Regular	DRAIN MED	DRAIN MED	25-May-2021	5.64	568						4.3	<1	4.3
21G3561	4	No	Regular	DRAIN MED	DRAIN MED	25-Jul-2021	5.6	592						3.3	<1	3.3
21K0622	4	No	Regular	DRAIN MED	DRAIN MED	31-Oct-2021	6.81	283						34.6	<1	34.6
21A2059	4	No	Regular	DRAIN SHORT	DRAIN SHORT	21-Jan-2021	6.81	436						80.8	<1	80.8
21E2294	9	No	Regular	DRAIN SHORT	DRAIN SHORT	6-May-2021	5.71	646						3.6	<1	3.6
21G3561	3	No	Regular	DRAIN SHORT	DRAIN SHORT	25-Jul-2021	6.54	482						17	<1	17
21K0622	2	No	Regular	DRAIN SHORT	DRAIN SHORT	31-Oct-2021	7.38	262						66.8	<1	66.8
21H2959	8	No	Regular	FIELD BLANK	FIELD BLANK	24-Aug-2021										
21K3343	4	No	Regular	GLOVES 1	GLOVES 1	24-Nov-2021										
21K3343	5	No	Regular	GLOVES 2	GLOVES 2	24-Nov-2021										

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+ Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
24 LVL East	2-Feb-2021																			
24 LVL West	2-Feb-2021																			
25 Sump Spill	25-Oct-2021	<1	<1	0.24	0.12	69.4	0.734	0.0236	0.024	<0.01	0.102	0.553				15.9	25.6	0.0475	<0.05	3.25
3-RUNOFF	3-Mar-2021	<1	<1	2.7		74.8		<0.02	0.018	<0.01	<0.05									
3-RUNOFF	14-Apr-2021	<1	<1	2.22		52.2		<0.02	0.014	<0.01	<0.05					1.21	16.3	0.00086	<0.05	0.0061
3-RUNOFF	7-Jul-2021	<1	<1	1.68		45.5		0.024	0.024	<0.01	<0.05					0.598	15.9	<0.0005	<0.05	0.0118
3-RUNOFF	10-Nov-2021	<1	<1	1.72		51.3		<0.02	<0.01	<0.01	<0.05	0.0126	0.005			1.27	21.2	<0.0005	<0.05	0.0054
7-ARNICA	3-Mar-2021	<1	<1	0.79		25.8		<0.02	<0.01	<0.01	<0.05									
7-ARNICA	14-Apr-2021	<1	<1	0.71		19.7		<0.02	<0.01	<0.01	<0.05					0.0337	5.8	<0.0005	<0.05	0.027
7-ARNICA	7-Jul-2021	<1	<1	0.5		1.9		<0.02	<0.01	<0.01	<0.05					0.021	<3	<0.0005	<0.05	0.0071
7-ARNICA	10-Nov-2021	<1	<1	0.74		10.7		<0.02	<0.01	<0.01	<0.05	<0.005	<0.005			0.0885	4.3	<0.0005	<0.05	<0.005
7-ARNICA D	7-Jul-2021	<1	<1	0.52		1.9		<0.02	<0.01	<0.01	<0.05					0.02	<3	<0.0005	<0.05	0.007
Arnica Ditch	12-Nov-2021	<1	<1													1.08	35.3	0.000241	0.0036	0.0187
Arnica Raw	24-Aug-2021																			
Arnica Source Raw	17-Dec-2021	<1	<1			<1		<0.02	<0.01	<0.01	<0.05			<0.5		0.0072	<3	<0.0005	<0.05	<0.005
Backfill	10-Nov-2021	<1	<1	0.89		47		<0.02	<0.01	<0.01	<0.05	0.0069	0.0051			0.0195	18.2	<0.0005	<0.05	0.0455
BOX	24-Nov-2021																			
BOX 2	24-Nov-2021																			
BUCKET	24-Nov-2021																			
Car Bridge Seep	9-Dec-2021	<1	<1													0.0865	31.7	0.000088	0.0072	0.0186
CRAB DS1	8-Nov-2021	<1	<1	0.61	<0.1	1.2										0.464	<1	0.000294	0.0043	0.00635
CRAB LOWER	10-Nov-2021	<1	<1	0.86		<1		<0.02	<0.01	<0.01	<0.05	0.0127	0.0121			0.0955	<3	0.00101	<0.05	<0.005
Crab UPPER	15-Apr-2021	<1	<1	0.89	<0.1	1	0.133	0.0103	0.011	<0.01	<0.05	0.0095				0.115	<3	<0.0005	<0.05	0.0062
CRAB UPPER	2-Jun-2021	<1	<1	0.71	<0.1	1.9										0.229	<3	0.00076	<0.05	0.0068
CRAB UPPER	10-Nov-2021	<1	<1	1.32		<1		<0.02	<0.01	<0.01	<0.05	0.0128	0.0086			0.324	<3	0.00126	<0.05	0.0055
CRAB UPPER DUP	10-Nov-2021	<1	<1	1.31		<1		<0.02	<0.01	<0.01	<0.05	0.0117	0.0087			0.0275	<3	<0.0005	<0.05	<0.005
CRAB-DS1	5-Feb-2021	<1	<1																	
CRAB-DS2	5-Feb-2021	<1	<1																	
CRAB-Lower	5-Feb-2021	<1	<1																	
CRAB-Upper	5-Feb-2021	<1	<1																	
Daily Lab Blank	6-Jul-2021															<0.002	<1	<0.00005	<0.002	<0.0001
DI Squirter	16-Sep-2021															<0.005	<3	<0.0005	<0.05	<0.005
DRAIN LONG	21-Jan-2021	<1	<1	1.12		223														
DRAIN LONG	6-May-2021	<1	<1	1.1		239														
DRAIN LONG	25-May-2021	<1	<1	1.64		622														
DRAIN LONG	25-Jul-2021	<1	<1	1.92		541														
DRAIN LONG	31-Oct-2021	<1	<1	0.94		144														
DRAIN MED	21-Jan-2021	<1	<1	1.32		253														
DRAIN MED	6-May-2021	<1	<1	1.65		402														
DRAIN MED	25-May-2021	<1	<1	1.64		301														
DRAIN MED	25-Jul-2021	<1	<1	1.28		307														
DRAIN MED	31-Oct-2021	<1	<1	0.87		105														
DRAIN SHORT	21-Jan-2021	<1	<1	0.87		202														
DRAIN SHORT	6-May-2021	<1	<1	1.16		313														
DRAIN SHORT	25-Jul-2021	<1	<1	1.19		214														
DRAIN SHORT	31-Oct-2021	<1	<1	0.78		65.4														
FIELD BLANK	24-Aug-2021															<0.005	<3	<0.0005	<0.05	0.0071
GLOVES 1	24-Nov-2021																			
GLOVES 2	24-Nov-2021																			

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
24 LVL East	2-Feb-2021																						
24 LVL West	2-Feb-2021																						
25 Sump Spill	25-Oct-2021	0.00026	0.00098	0.0339	22.5	0.0191	0.0151	1.18	27.7	0.488	0.00429	10.3	0.852	0.00287	0.022	0.987	1.03	0.00105	0.00022	19	0.00674	0.94	0.0875
3-RUNOFF	3-Mar-2021																						
3-RUNOFF	14-Apr-2021	<0.0001	<0.0001	0.01	28.2	<0.0005	0.00393	0.434	1.58	<0.05	0.00107	5.41	0.324	0.0001	0.00343	0.00108	0.13	<0.0005	<0.0002	3.8	<0.00005	2.01	0.0369
3-RUNOFF	7-Jul-2021	<0.0001	<0.0001	0.00758	32.6	<0.0005	0.00257	0.247	0.438	<0.05	0.00077	5.89	0.223	0.00014	0.00249	0.00043	0.12	<0.0005	<0.0002	4.3	<0.00005	1.88	0.0428
3-RUNOFF	10-Nov-2021	<0.0001	<0.0001	0.00935	17.3	<0.0005	0.00382	0.374	0.859	<0.05	0.00096	4.04	0.31	<0.0001	0.00374	0.00126	<0.1	<0.0005	<0.0002	3.5	<0.00005	1.44	0.0257
7-ARNICA	3-Mar-2021																						
7-ARNICA	14-Apr-2021	<0.0001	<0.0001	0.000545	31.2	<0.0005	<0.0001	0.00889	0.012	<0.05	<0.0001	2.56	0.00584	<0.0001	0.0005	0.0004	0.11	<0.0005	<0.0002	2.9	<0.00005	0.98	0.0336
7-ARNICA	7-Jul-2021	<0.0001	<0.0001	0.000072	18.3	<0.0005	<0.0001	0.00159	<0.01	<0.05	<0.0001	0.804	0.0009	<0.0001	<0.0004	0.00037	0.13	<0.0005	0.00041	2	<0.00005	0.76	0.0198
7-ARNICA	10-Nov-2021	<0.0001	<0.0001	0.000415	24.9	<0.0005	0.0002	0.0156	<0.01	<0.05	<0.0001	1.41	0.019	<0.0001	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	2.2	<0.00005	0.8	0.0229
7-ARNICA D	7-Jul-2021	<0.0001	<0.0001	0.000086	18.6	<0.0005	<0.0001	0.00144	<0.01	<0.05	<0.0001	0.78	0.00082	<0.0001	<0.0004	0.00042	<0.1	<0.0005	<0.0002	1.9	<0.00005	0.74	0.0194
Arnica Ditch	12-Nov-2021	0.000106	<0.00001	0.00165	28.8	0.00032	0.00372	0.073	0.105	<0.01	0.000415	9.05	0.34	0.000042	0.00254	0.00235	0.191	<0.0001	<0.00005	5.94	0.000016	1.36	0.0548
Arnica Raw	24-Aug-2021																						
Arnica Source Raw	17-Dec-2021	<0.0001	<0.0001	<0.00001	26.2	<0.0005	<0.0001	<0.0004	<0.01	<0.05	<0.0001	0.942	0.00026	<0.0001	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	2	<0.00005	0.78	0.0232
Backfill	10-Nov-2021	<0.0001	<0.0001	0.00276	20.3	<0.0005	0.00022	0.00524	0.268	<0.05	0.00046	0.563	0.0551	<0.0001	0.00167	0.00463	0.32	<0.0005	<0.0002	<1	<0.00005	1.38	0.0771
BOX	24-Nov-2021															0.39							
BOX 2	24-Nov-2021															0.62							
BUCKET	24-Nov-2021															2.3							
Car Bridge Seep	9-Dec-2021	0.000031	<0.00001	0.00523	36.6	0.00053	0.0000906	0.0657	0.0238	<0.01	0.000064	5.07	0.0361	0.000011	0.00532	0.00155	0.537	0.0002	<0.00005	8.44	0.000013	2.99	0.0923
CRAB DS1	8-Nov-2021	0.000013	<0.00001	0.0000088	12.9	0.00062	0.00024	0.00169	0.492	0.013	0.000118	0.642	0.014	0.00134	0.000254	0.000245	0.119	<0.0001	<0.00005	2.17	<0.00001	0.808	0.0128
CRAB LOWER	10-Nov-2021	<0.0001	<0.0001	<0.00001	13.1	<0.0005	<0.0001	<0.0004	0.109	<0.05	<0.0001	0.614	0.00445	<0.0001	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	2.2	<0.00005	0.94	0.0117
Crab UPPER	15-Apr-2021	<0.0001	<0.0001	<0.00001	18.6	<0.0005	<0.0001	0.00155	0.121	<0.05	<0.0001	0.737	0.0049	<0.0001	0.00058	0.00072	0.2	<0.0005	<0.0002	3	<0.00005	1.03	0.0171
CRAB UPPER	2-Jun-2021	<0.0001	<0.0001	<0.00001	22.8	<0.0005	0.00013	0.00161	0.263	<0.05	0.00011	0.818	0.00838	0.00025	<0.0004	<0.0002	0.19	<0.0005	<0.0002	2.1	<0.00005	0.99	0.0219
CRAB UPPER	10-Nov-2021	<0.0001	<0.0001	0.000012	12	0.00053	0.00021	0.0007	0.407	<0.05	<0.0001	0.729	0.0107	<0.0001	<0.0004	0.00026	0.19	<0.0005	<0.0002	1.9	<0.00005	1.26	0.011
CRAB UPPER DUP	10-Nov-2021	<0.0001	<0.0001	<0.00001	12.7	<0.0005	<0.0001	0.00045	<0.01	<0.05	<0.0001	0.438	0.00167	<0.0001	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.7	<0.00005	1.03	0.0108
CRAB-DS1	5-Feb-2021																						
CRAB-DS2	5-Feb-2021																						
CRAB-Lower	5-Feb-2021																						
CRAB-Upper	5-Feb-2021																						
Daily Lab Blank	6-Jul-2021	<0.00001	<0.00001	<0.000002	<0.04	<0.0001	<0.000005	<0.0002	<0.002	<0.01	<0.00005	<0.005	<0.00005	0.000013	<0.00004	<0.00005	<0.01	<0.0001	<0.00005	<0.1	<0.00001	<0.02	<0.0001
DI Squirter	16-Sep-2021	<0.0001	<0.0001	<0.00001	<0.2	<0.0005	<0.0001	0.00043	<0.01	<0.05	<0.0001	<0.01	<0.0002	<0.0001	0.00055	<0.0002	<0.1	<0.0005	<0.0002	<1	<0.00005	<0.1	<0.001
DRAIN LONG	21-Jan-2021																						
DRAIN LONG	6-May-2021																						
DRAIN LONG	25-May-2021																						
DRAIN LONG	25-Jul-2021																						
DRAIN LONG	31-Oct-2021																						
DRAIN MED	21-Jan-2021																						
DRAIN MED	6-May-2021																						
DRAIN MED	25-May-2021																						
DRAIN MED	25-Jul-2021																						
DRAIN MED	31-Oct-2021																						
DRAIN SHORT	21-Jan-2021																						
DRAIN SHORT	6-May-2021																						
DRAIN SHORT	25-Jul-2021																						
DRAIN SHORT	31-Oct-2021																						
FIELD BLANK	24-Aug-2021	<0.0001	<0.0001	<0.00001	<0.2	<0.0005	<0.0001	<0.0004	<0.01	<0.05	<0.0001	<0.01	<0.0002	<0.0001	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	<1	<0.00005	<0.1	<0.001
GLOVES 1	24-Nov-2021															0.18							
GLOVES 2	24-Nov-2021															0.33							

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
24 LVL East	2-Feb-2021																							
24 LVL West	2-Feb-2021																							
25 Sump Spill	25-Oct-2021	0.00098	0.000123	0.00028	0.683	<0.001	0.000521	0.0469	7.96	0.00195		0.904	22	<0.0005	<0.05	<0.0001	<0.0001	0.112	0.016	16.8	0.0005	0.00506	0.487	0.103
3-RUNOFF	3-Mar-2021											0.0404	30.5	<0.0005	<0.05	<0.0001	<0.0001	0.0059	0.0123	31.9	<0.0005	0.00511	0.119	0.019
3-RUNOFF	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000035	<0.001	2.59	<0.0001	<0.00001	0.0574	16.3	<0.0005	<0.05	<0.0001	<0.0001	0.0052	0.00868	26.8	<0.0005	0.0036	0.0819	0.015
3-RUNOFF	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024	<0.001	1.98	<0.0001	<0.00001	0.0998	15.6	<0.0005	<0.05	<0.0001	<0.0001	0.0055	0.00652	30.1	<0.0005	0.00234	0.0851	0.013
3-RUNOFF	10-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026	<0.001	2.43	<0.0001	<0.00001	0.0354	15.9	<0.0005	<0.05	<0.0001	<0.0001	0.0056	0.00989	17.2	0.00051	0.0038	0.181	0.016
7-ARNICA	3-Mar-2021											0.0294	6.4	<0.0005	<0.05	<0.0001	<0.0001	0.0083	0.000803	25.1	<0.0005	0.00013	0.0119	<0.01
7-ARNICA	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.221	<0.0001	<0.00001	0.0261	5.2	<0.0005	<0.05	<0.0001	<0.0001	0.0089	0.000522	27.5	<0.0005	<0.0001	0.00776	<0.01
7-ARNICA	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0203	<0.0001	<0.00001	0.0177	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000069	16.6	<0.0005	<0.0001	0.0012	<0.01
7-ARNICA	10-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.135	<0.0001	<0.00001	0.0621	3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000449	24.3	<0.0005	0.0002	0.013	<0.01
7-ARNICA D	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0178	<0.0001	<0.00001	0.0148	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000069	16.1	<0.0005	<0.0001	0.00121	<0.01
Arnica Ditch	12-Nov-2021	<0.00005	<0.000004	<0.00001	0.00162	<0.0002	0.0000042	0.00034	0.554	0.000022		0.0549	29	0.000066	0.0029	0.00007	<0.00001	0.0152	0.00149	27.4	0.0002	0.00324	0.0521	0.0027
Arnica Raw	24-Aug-2021																							
Arnica Source Raw	17-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	<0.004	<0.0001	<0.00001													
Backfill	10-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.43	<0.0001	<0.00001	0.0079	14.4	<0.0005	<0.05	<0.0001	<0.0001	0.0425	0.00288	20.2	<0.0005	0.00022	0.00203	<0.01
BOX	24-Nov-2021																							
BOX 2	24-Nov-2021																							
BUCKET	24-Nov-2021																							
Car Bridge Seep	9-Dec-2021	<0.00005	<0.000004	<0.00001	0.00094	<0.0002	0.0000059	<0.0002	2.53	<0.00002		0.0664	33.2	<0.00005	0.0059	0.000026	<0.00001	0.0165	0.00493	32.7	0.00047	0.0000802	0.0605	<0.002
CRAB DS1	8-Nov-2021	<0.00005	<0.000004	0.000014	0.0289	<0.0002	0.0000256	0.00186	0.0028	0.000096		0.0113	<1	0.000166	<0.002	<0.00001	<0.00001	0.00312	0.0000039	12.2	0.00027	0.0000148	0.00041	0.0029
CRAB LOWER	10-Nov-2021	<0.0005	<0.00002	<0.0001	0.007	<0.001	<0.00002	<0.001	<0.004	<0.0001	<0.00001	0.0166	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	13.5	<0.0005	<0.0001	<0.0004	<0.01
Crab UPPER	15-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	<0.004	<0.0001	<0.00001	0.0113	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	17.4	<0.0005	<0.0001	0.00063	<0.01
CRAB UPPER	2-Jun-2021	<0.0005	<0.00002	<0.0001	0.0094	<0.001	0.000035	0.0016	<0.004	<0.0001		0.0219	<3	0.00058	<0.05	<0.0001	<0.0001	0.0063	<0.00001	22.4	<0.0005	<0.0001	<0.0004	<0.01
CRAB UPPER	10-Nov-2021	<0.0005	<0.00002	<0.0001	0.0161	<0.001	<0.00002	0.0012	0.0097	0.00014	<0.00001	0.025	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	12.5	<0.0005	<0.0001	0.00055	<0.01
CRAB UPPER DUP	10-Nov-2021	<0.0005	<0.00002	<0.0001	0.0083	<0.001	<0.00002	<0.001	<0.004	<0.0001	<0.00001	0.167	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000024	12.6	<0.0005	<0.0001	0.00158	0.15
CRAB-DS1	5-Feb-2021																							
CRAB-DS2	5-Feb-2021																							
CRAB-Lower	5-Feb-2021																							
CRAB-Upper	5-Feb-2021																							
Daily Lab Blank	6-Jul-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001	<0.0002	<0.001	<0.00002														
DI Squirter	16-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	<0.004	<0.0001														
DRAIN LONG	21-Jan-2021											0.428	84.1	<0.0005	<0.05	0.00011	<0.0001	0.0237	0.00777	76.4	<0.0005	0.00288	0.205	<0.01
DRAIN LONG	6-May-2021											0.277	76.1	<0.0005	<0.05	<0.0001	<0.0001	0.0262	0.0102	65.6	<0.0005	0.00631	0.238	<0.01
DRAIN LONG	25-May-2021											3.31	114	<0.0005	<0.05	0.00048	<0.0001	0.0279	0.0237	86	<0.0005	0.0196	1.01	0.45
DRAIN LONG	25-Jul-2021											5.13	160	<0.0005	<0.05	0.00059	<0.0001	0.0198	0.0332	107	<0.0005	0.0366	1.4	0.67
DRAIN LONG	31-Oct-2021											0.301	54.8	<0.00005	0.0052	0.000057	<0.00001	0.0285	0.00744	47.8	0.00012	0.00514	0.217	0.123
DRAIN MED	21-Jan-2021											0.799	93.6	<0.0005	<0.05	0.00014	<0.0001	0.0206	0.00861	84.6	<0.0005	0.00422	0.283	0.15
DRAIN MED	6-May-2021											3.27	130	<0.0005	<0.05	0.00048	<0.0001	0.0265	0.0258	94.5	<0.0005	0.0218	0.978	0.381
DRAIN MED	25-May-2021											1.27	91.6	<0.0005	<0.05	0.00016	<0.0001	0.018	0.0229	70.6	<0.0005	0.0159	1.01	2.41
DRAIN MED	25-Jul-2021											1.58	97.2	<0.0005	<0.05	0.00022	<0.0001	0.0167	0.0222	70.7	<0.0005	0.0163	0.88	1.56
DRAIN MED	31-Oct-2021											0.0374	35	<0.00005	0.0045	0.000015	<0.00001	0.0266	0.00377	39.6	0.00022	0.00116	0.0789	0.0204
DRAIN SHORT	21-Jan-2021											0.108	64.3	<0.0005	<0.05	<0.0001	<0.0001	0.0256	0.0021	77.7	<0.0005	0.00012	0.0384	0.051
DRAIN SHORT	6-May-2021											1.61	107	<0.0005	<0.05	0.00016	<0.0001	0.0234	0.0238	78.1	<0.0005	0.0166	0.977	3.18
DRAIN SHORT	25-Jul-2021											0.0815	53.7	<0.0005	<0.05	<0.0001	<0.0001	0.0229	0.00754	52.2	<0.0005	0.0043	0.113	0.307
DRAIN SHORT	31-Oct-2021											0.0127	22.6	<0.00005	0.0032	<0.00001	<0.00001	0.0403	0.00122	41.4	0.00054	0.0000756	0.00598	0.0272
FIELD BLANK	24-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	<0.004	<0.0001		<0.005	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	<0.2	<0.0005	<0.0001	<0.0004	<0.01
GLOVES 1	24-Nov-2021																							
GLOVES 2	24-Nov-2021																							

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
24 LVL East	2-Feb-2021																						
24 LVL West	2-Feb-2021																						
25 Sump Spill	25-Oct-2021	<0.05	0.00077	2.16	0.385	<0.0001	0.00643	0.0737	0.25	0.00724	<0.0005	1.8	0.0324	<0.0002	<0.00005	0.39	0.00037	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000124
3-RUNOFF	3-Mar-2021	<0.05	0.00382	6.58	0.448	<0.0001	0.00469	0.00034	0.15		<0.0005	4.4	0.0419	<0.0002	<0.00005	2.08	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
3-RUNOFF	14-Apr-2021	<0.05	0.00098	4.7	0.306	0.0001	0.00338	0.00028	0.11	<0.0002	<0.0005	3.7	0.0352	<0.0002	<0.00005	1.9	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
3-RUNOFF	7-Jul-2021	<0.05	0.00079	5.25	0.205	0.00012	0.00227	<0.0002	0.11	<0.0002	<0.0005	3.3	0.0393	<0.0002	<0.00005	1.7	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
3-RUNOFF	10-Nov-2021	<0.05	0.00091	3.77	0.292	<0.0001	0.00342	<0.0002	<0.1	<0.0002	<0.0005	3.1	0.0246	<0.0002	<0.00005	1.39	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
7-ARNICA	3-Mar-2021	<0.05	<0.0001	2.36	0.0139	<0.0001	0.00062	<0.0002	<0.1		<0.0005	2.5	0.0314	<0.0002	<0.00005	0.78	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
7-ARNICA	14-Apr-2021	<0.05	<0.0001	2.16	0.00546	<0.0001	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	2.9	0.0311	<0.0002	<0.00005	0.91	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
7-ARNICA	7-Jul-2021	<0.05	0.00013	0.691	0.00056	<0.0001	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	2.1	0.0168	<0.0002	<0.00005	0.65	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
7-ARNICA	10-Nov-2021	<0.05	<0.0001	1.38	0.0186	<0.0001	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	2.2	0.0233	<0.0002	<0.00005	0.79	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
7-ARNICA D	7-Jul-2021	<0.05	0.00012	0.682	0.00047	<0.0001	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.8	0.0174	<0.0002	<0.00005	0.65	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Arnica Ditch	12-Nov-2021	<0.01	0.000404	7.74	0.306	0.00002	0.00232	0.000527	0.156	0.000062	<0.0001	4.95	0.0492	<0.00005	<0.00001	1.17	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000063
Arnica Raw	24-Aug-2021																						
Arnica Source Raw	17-Dec-2021									<0.0002													
Backfill	10-Nov-2021	<0.05	0.00043	0.546	0.0535	<0.0001	0.00153	<0.0002	0.33	<0.0002	<0.0005	<1	0.0755	<0.0002	<0.00005	1.33	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
BOX	24-Nov-2021																						
BOX 2	24-Nov-2021																						
BUCKET	24-Nov-2021																						
Car Bridge Seep	9-Dec-2021	<0.01	<0.00005	4.76	0.0328	<0.00001	0.00483	0.00103	0.519	0.000168	0.00015	7.87	0.0945	<0.00005	<0.00001	2.79	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000043
CRAB DS1	8-Nov-2021	<0.01	<0.00005	0.444	0.00221	0.000075	0.000078	0.00009	0.081	<0.00005	<0.0001	1.7	0.0109	<0.00005	<0.00001	0.795	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000057
CRAB LOWER	10-Nov-2021	<0.05	<0.0001	0.428	0.00143	<0.0001	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	2	0.0114	<0.0002	<0.00005	0.85	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Crab UPPER	15-Apr-2021	<0.05	<0.0001	0.603	0.00144	<0.0001	<0.0004	<0.0002	0.15	<0.0002	<0.0005	2.3	0.0159	<0.0002	<0.00005	0.98	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
CRAB UPPER	2-Jun-2021	<0.05	<0.0001	0.697	0.00046	0.00015	<0.0004	<0.0002	0.13	<0.0002	<0.0005	1.6	0.021	<0.0002	<0.00005	0.92	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000029
CRAB UPPER	10-Nov-2021	<0.05	<0.0001	0.421	0.00175	<0.0001	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.7	0.0105	<0.0002	<0.00005	1.02	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
CRAB UPPER DUP	10-Nov-2021	<0.05	<0.0001	0.481	0.00624	0.00015	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	2	0.011	<0.0002	<0.00005	1.04	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
CRAB-DS1	5-Feb-2021																						
CRAB-DS2	5-Feb-2021																						
CRAB-Lower	5-Feb-2021																						
CRAB-Upper	5-Feb-2021																						
Daily Lab Blank	6-Jul-2021									<0.00005													
DI Squirter	16-Sep-2021									<0.0002													
DRAIN LONG	21-Jan-2021	<0.05	0.00032	14	0.57	0.00019	0.00792	<0.0002	0.85		<0.0005	7.5	0.149	<0.0002	<0.00005	3.27	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022
DRAIN LONG	6-May-2021	<0.05	0.0002	16.5	0.999	0.00023	0.0122	<0.0002	0.74		<0.0005	7	0.148	<0.0002	<0.00005	3	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023
DRAIN LONG	25-May-2021	<0.05	0.00097	23.2	3.02	<0.0001	0.0233	0.00035	1.94		<0.0005	8.8	0.151	<0.0002	<0.00005	6.02	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000124
DRAIN LONG	25-Jul-2021	<0.05	0.00118	34.5	5.24	<0.0001	0.0376	0.00054	1.92		<0.0005	9.9	0.186	<0.0002	<0.00005	6.62	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000207
DRAIN LONG	31-Oct-2021	<0.01	0.000472	9.8	0.603	0.000083	0.00649	0.00054	0.668		0.00018	4.14	0.0926	<0.00005	<0.00001	2.61	0.00009	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000135
DRAIN MED	21-Jan-2021	<0.05	0.00046	13.3	0.751	<0.0001	0.00792	0.00021	1.31		<0.0005	6.9	0.148	<0.0002	<0.00005	3.53	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000045
DRAIN MED	6-May-2021	<0.05	0.00095	24	3.19	<0.0001	0.0252	0.00046	1.88		<0.0005	10	0.169	<0.0002	<0.00005	5.96	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000142
DRAIN MED	25-May-2021	<0.05	0.00094	23.4	1.96	0.00017	0.0213	0.00041	0.93		<0.0005	6.8	0.149	<0.0002	<0.00005	3.3	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000066
DRAIN MED	25-Jul-2021	<0.05	0.00101	21	2.25	0.00016	0.0203	0.00028	1.02		<0.0005	7.3	0.143	<0.0002	<0.00005	3.75	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000087
DRAIN MED	31-Oct-2021	<0.01	0.000352	5.79	0.139	0.000132	0.00297	0.000445	0.452		0.00023	3.07	0.0676	<0.00005	<0.00001	1.57	0.000124	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000025
DRAIN SHORT	21-Jan-2021	<0.05	0.00022	8.03	0.0614	<0.0001	0.00159	<0.0002	0.69		<0.0005	4.4	0.117	<0.0002	<0.00005	1.91	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
DRAIN SHORT	6-May-2021	<0.05	0.00104	24.6	2.02	0.00016	0.0223	0.00037	0.92		<0.0005	8.5	0.165	<0.0002	<0.00005	3.42	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000084
DRAIN SHORT	25-Jul-2021	<0.05	0.0004	11.1	0.741	0.00069	0.0115	0.00034	0.72		<0.0005	4.6	0.1	<0.0002	<0.00005	2.73	0.00029	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
DRAIN SHORT	31-Oct-2021	<0.01	0.000141	3.39	0.013	0.000265	0.000773	0.000169	0.278		<0.0001	2.69	0.0542	<0.00005	<0.00001	1.15	0.000406	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000005
FIELD BLANK	24-Aug-2021	<0.05	<0.0001	<0.01	<0.0002	<0.0001	<0.0004	<0.0002	<0.1	<0.0002	0.0005	<1	<0.001	<0.0002	<0.00005	<0.1	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
GLOVES 1	24-Nov-2021																						
GLOVES 2	24-Nov-2021																						

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
24 LVL East	2-Feb-2021								
24 LVL West	2-Feb-2021								
25 Sump Spill	25-Oct-2021	<0.001	3.64	<0.0001					
3-RUNOFF	3-Mar-2021	<0.001	3.23	<0.0001					
3-RUNOFF	14-Apr-2021	<0.001	2.19	<0.0001	<0.00001				
3-RUNOFF	7-Jul-2021	<0.001	1.58	<0.0001	<0.00001				
3-RUNOFF	10-Nov-2021	<0.001	2.3	<0.0001	<0.00001				
7-ARNICA	3-Mar-2021	<0.001	0.289	<0.0001					
7-ARNICA	14-Apr-2021	<0.001	0.162	<0.0001	<0.00001				
7-ARNICA	7-Jul-2021	<0.001	0.0149	<0.0001	<0.00001				
7-ARNICA	10-Nov-2021	<0.001	0.124	<0.0001	<0.00001				
7-ARNICA D	7-Jul-2021	<0.001	0.0153	<0.0001	<0.00001				
Arnica Ditch	12-Nov-2021	<0.0002	0.539	<0.00002					
Arnica Raw	24-Aug-2021								
Arnica Source Raw	17-Dec-2021								
Backfill	10-Nov-2021	<0.001	0.413	<0.0001	<0.00001				
BOX	24-Nov-2021								
BOX 2	24-Nov-2021								
BUCKET	24-Nov-2021								
Car Bridge Seep	9-Dec-2021	<0.0002	2.65	<0.00002					
CRAB DS1	8-Nov-2021	<0.0002	0.0014	<0.00002					
CRAB LOWER	10-Nov-2021	<0.001	<0.004	<0.0001	<0.00001				
Crab UPPER	15-Apr-2021	<0.001	<0.004	<0.0001	<0.00001				
CRAB UPPER	2-Jun-2021	0.0016	<0.004	<0.0001					
CRAB UPPER	10-Nov-2021	<0.001	<0.004	<0.0001	<0.00001				
CRAB UPPER DUP	10-Nov-2021	<0.001	<0.004	<0.0001	<0.00001				
CRAB-DS1	5-Feb-2021								
CRAB-DS2	5-Feb-2021								
CRAB-Lower	5-Feb-2021								
CRAB-Upper	5-Feb-2021								
Daily Lab Blank	6-Jul-2021								
DI Squirter	16-Sep-2021								
DRAIN LONG	21-Jan-2021	<0.001	4.26	<0.0001					
DRAIN LONG	6-May-2021	<0.001	5.54	<0.0001					
DRAIN LONG	25-May-2021	<0.001	8.88	<0.0001					
DRAIN LONG	25-Jul-2021	<0.001	13.4	<0.0001					
DRAIN LONG	31-Oct-2021	<0.0002	2.83	<0.00002					
DRAIN MED	21-Jan-2021	<0.001	3.59	<0.0001					
DRAIN MED	6-May-2021	<0.001	8.87	<0.0001					
DRAIN MED	25-May-2021	<0.001	9.12	<0.0001					
DRAIN MED	25-Jul-2021	0.0011	8.25	<0.0001					
DRAIN MED	31-Oct-2021	<0.0002	1.31	<0.00002					
DRAIN SHORT	21-Jan-2021	<0.001	1.07	<0.0001					
DRAIN SHORT	6-May-2021	<0.001	9.21	<0.0001					
DRAIN SHORT	25-Jul-2021	<0.001	3.56	<0.0001					
DRAIN SHORT	31-Oct-2021	<0.0002	0.334	<0.00002					
FIELD BLANK	24-Aug-2021	<0.001	<0.004	<0.0001					
GLOVES 1	24-Nov-2021								
GLOVES 2	24-Nov-2021								

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21K3343	6	No	Regular	GLOVES 3	GLOVES 3	24-Nov-2021										
21K3343	7	No	Regular	GLOVES 4	GLOVES 4	24-Nov-2021										
21J2034	7	No	Regular	GRAB	GRAB	13-Oct-2021	7.88	112						61.9	<1	61.9
21G0905	14	No	Regular	Headframe	Headframe	7-Jul-2021		103				<2	<2	58.8	<1	58.8
21K1970	18	No	Regular	Headframe	Headframe	10-Nov-2021		211				2.4	9.6	60.5	<1	60.5
21C1194	3	No	Regular	HW-UG	HW-UG	3-Mar-2021	7.37	1150	414				17	58.8	<1	58.8
21D1862	3	No	Regular	HW-UG	HW-UG	14-Apr-2021		1140	413			136	22.9	67.3	<1	67.3
21G0905	3	No	Regular	HW-UG	HW-UG	7-Jul-2021		1460				51	35.5	27.1	<1	27.1
21K1970	3	No	Regular	HW-UG	HW-UG	10-Nov-2021		1060				948	8.9	76.1	<1	76.1
21A2059	1	No	Regular	IN-DRAIN	IN-DRAIN	21-Jan-2021	4.48	1190						<1	<1	<1
21B2853	7	No	Regular	IN-DRAIN	IN-DRAIN	25-Feb-2021	4.38	1520	674					<1	<1	<1
21E3248	4	No	Regular	IN-DRAIN	IN-DRAIN	25-May-2021	4.27	1480						<1	<1	<1
21G3561	1	No	Regular	IN-DRAIN	IN-DRAIN	25-Jul-2021	3.85	1340						<1	<1	<1
21K0622	15	No	Regular	IN-DRAIN	IN-DRAIN	1-Nov-2021	4.15	1090						<1	<1	<1
21C1194	1	No	Regular	L-10E	L-10E	3-Mar-2021	7.17	542	273				27.2	73.7	<1	73.7
21D1862	1	No	Regular	L-10E	L-10E	14-Apr-2021		493	229				25.9	89.5	<1	89.5
21G0905	1	No	Regular	L-10E	L-10E	7-Jul-2021		450					12.5	101	<1	101
21K1970	1	No	Regular	L-10E	L-10E	10-Nov-2021		449				21.6	35.3	34.4	<1	34.4
21K3343	9	No	Regular	LID	LID	24-Nov-2021										
21C1194	10	No	Regular	LLD	LLD	3-Mar-2021	7.67	113	58.6				2.4	62.3	<1	62.3
21D1862	10	No	Regular	LLD	LLD	14-Apr-2021		117	54.5			4.6	<2	68.9	<1	68.9
21G0905	10	No	Regular	LLD	LLD	7-Jul-2021		61.9				2.8	<2	37.7	<1	37.7
21K1970	10	No	Regular	LLD	LLD	10-Nov-2021		98.8				<2	<2	55.7	<1	55.7
21H1511	2	No	Regular	LTDF	LTDF	11-Aug-2021						28.8				
21K0656	1	No	Regular	Lynx Bulkhead	Lynx Bulkhead	1-Nov-2021					24.7					
21K1288	3	No	Regular	Lynx Bulkhead	Lynx Bulkhead	5-Nov-2021						6.8				
21K1288	4	No	Regular	Lynx Bulkhead	Lynx Bulkhead	6-Nov-2021						6.4				
21K1288	5	No	Regular	Lynx Bulkhead	Lynx Bulkhead	7-Nov-2021					27.2	7.2				
21K2010	1	No	Regular	Lynx Bulkhead	Lynx Bulkhead	8-Nov-2021	4.86					9.8				
21K2010	2	No	Regular	Lynx Bulkhead	Lynx Bulkhead	10-Nov-2021	4.34					9				
21K2558	1	No	Regular	Lynx Bulkhead	Lynx Bulkhead	12-Nov-2021	4.04					11.3				
21K2558	2	No	Regular	Lynx Bulkhead	Lynx Bulkhead	13-Nov-2021	4.04					12.6				
21K2558	3	No	Regular	Lynx Bulkhead	Lynx Bulkhead	14-Nov-2021	4.5					16.6				
21K2548	1	No	Regular	Lynx TDF Supernatant	Lynx TDF Supernatant	17-Nov-2021	8.55	504						304	4.1	296
21E2317	2	No	Regular	MC +1000 S	MC +1000 S	18-May-2021	7.2	39.7					<2	11.1	<1	11.1
21E2317	3	No	Regular	MC +1050 S	MC +1050 S	18-May-2021	7.2	40.9					<2	10.9	<1	10.9
21E2317	4	No	Regular	MC +1100 S	MC +1100 S	18-May-2021	7.17	45.6					<2	11	<1	11
21E2317	5	No	Regular	MC +1150 S	MC +1150 S	18-May-2021	7.23	44					<2	11.5	<1	11.5
21E2317	6	No	Regular	MC +1200 S	MC +1200 S	18-May-2021	7.15	49.6					2	10.7	<1	10.7
21E2317	7	No	Regular	MC +1250 S	MC +1250 S	18-May-2021	7.22	39.4					<2	10.9	<1	10.9
21E2317	8	No	Regular	MC +1300 S	MC +1300 S	18-May-2021	7.14	37.8					<2	11	<1	11
21E2317	9	No	Regular	MC +900 S	MC +900 S	18-May-2021	7.18	39.2					<2	11.3	<1	11.3
21E2317	1	No	Regular	MC +950 S	MC +950 S	18-May-2021	7.19	39					2.3	11.2	<1	11.2
21J3988	2	No	Regular	MC 25 + 10	MC 25 + 10	25-Oct-2021	6.84	21.5				2.2		8.8	<1	8.8
21L3370	1	No	Regular	MC- TP4 DC	MC- TP4 DC	13-Dec-2021										
21L3370	2	No	Regular	MC- TP4 DC	MC- TP4 DC	14-Dec-2021										
21L3370	3	No	Regular	MC- TP4 DC	MC- TP4 DC	15-Dec-2021										
21L3370	4	No	Regular	MC- TP4 DC	MC- TP4 DC	16-Dec-2021										
21L3370	5	No	Regular	MC- TP4 DC	MC- TP4 DC	17-Dec-2021										

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+ Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
GLOVES 3	24-Nov-2021																			
GLOVES 4	24-Nov-2021																			
GRAB	13-Oct-2021	<1	<1	0.81	<0.1	1.6										0.644	<3	0.00085	<0.05	0.0088
Headframe	7-Jul-2021	<1	<1	0.5		1.9		<0.02	<0.01	<0.01	<0.05					0.0287	<3	<0.0005	<0.05	0.0361
Headframe	10-Nov-2021	<1	<1	1		50.2		0.0265	0.026	<0.01	<0.05	0.0066	0.0063			0.623	19.5	<0.0005	<0.05	0.0858
HW-UG	3-Mar-2021	<1	<1	41.2		400		11.7	11.1	0.653	7.32									
HW-UG	14-Apr-2021	<1	<1	52.3		464		10.1	9.24	0.817	5.9					4.08	164	0.00771	0.19	0.559
HW-UG	7-Jul-2021	<1	<1	68.6		644		4.77	4.46	0.307	2.53					0.743	246	0.00257	0.2	0.159
HW-UG	10-Nov-2021	<1	<1	38.1		360		11.4	11	0.424	6.44	1.04	<0.005			20.7	142	0.0595	0.296	2.67
IN-DRAIN	21-Jan-2021	<1	<1	1.14		795														
IN-DRAIN	25-Feb-2021	<1	<1	1.53		974														
IN-DRAIN	25-May-2021	<1	<1	1.71		1210														
IN-DRAIN	25-Jul-2021	<1	<1	1.75		796														
IN-DRAIN	1-Nov-2021	<1	<1	1.24		747														
L-10E	3-Mar-2021	<1	<1	0.73		219		0.092	0.092	<0.01	<0.05									
L-10E	14-Apr-2021	<1	<1	0.73		189		0.0808	0.081	<0.01	<0.05					0.543	68.2	0.0103	<0.05	0.0409
L-10E	7-Jul-2021	<1	<1	0.66		153		0.0636	0.064	<0.01	<0.05					0.505	60.6	0.00609	<0.05	0.0388
L-10E	10-Nov-2021	<1	<1	0.87		207		0.0462	0.046	<0.01	<0.05	0.0547	0.0066			0.995	82.2	0.0267	<0.05	0.0404
LID	24-Nov-2021																			
LLD	3-Mar-2021	<1	<1	0.68		1.1		<0.02	<0.01	<0.01	<0.05									
LLD	14-Apr-2021	<1	<1	0.69		1.1		<0.02	<0.01	<0.01	<0.05					0.0267	<3	<0.0005	<0.05	0.017
LLD	7-Jul-2021	<1	<1	0.41		<1		<0.02	<0.01	<0.01	<0.05					0.0165	<3	<0.0005	<0.05	0.0068
LLD	10-Nov-2021	<1	<1	0.78		<1		<0.02	<0.01	<0.01	<0.05	<0.005	<0.005			0.0237	<3	<0.0005	<0.05	<0.005
LTDF	11-Aug-2021															0.631	125	0.00702	0.0751	0.19
Lynx Bulkhead	1-Nov-2021																			
Lynx Bulkhead	5-Nov-2021															9.61	460	0.00152	0.108	0.0198
Lynx Bulkhead	6-Nov-2021															9.07	481	0.00131	0.131	0.0177
Lynx Bulkhead	7-Nov-2021															7.75	536	0.00143	0.157	0.018
Lynx Bulkhead	8-Nov-2021															2.45	504	0.000941	0.188	0.0101
Lynx Bulkhead	10-Nov-2021															2.11	485	0.000982	0.15	0.0166
Lynx Bulkhead	12-Nov-2021															2.12	483	0.000982	0.145	0.0184
Lynx Bulkhead	13-Nov-2021															1.85	465	0.000949	0.16	0.0145
Lynx Bulkhead	14-Nov-2021															1.77	437	0.00105	0.121	0.0311
Lynx TDF Supernatant	17-Nov-2021	8.3	<1													392	387	1.92	0.0574	0.93
MC +1000 S	18-May-2021	<1	<1			5.9		0.0328	0.033	<0.01						0.0607	3.1	<0.0005	<0.05	<0.005
MC +1050 S	18-May-2021	<1	<1			6.4		0.0315	0.032	<0.01						0.0628	<3	<0.0005	<0.05	<0.005
MC +1100 S	18-May-2021	<1	<1			8.8		0.0326	0.033	<0.01						0.0649	3.3	<0.0005	<0.05	<0.005
MC +1150 S	18-May-2021	<1	<1			7.6		0.0326	0.033	<0.01						0.0689	<3	<0.0005	<0.05	<0.005
MC +1200 S	18-May-2021	<1	<1			9.9		0.0346	0.035	<0.01						0.0651	5.8	<0.0005	<0.05	0.0054
MC +1250 S	18-May-2021	<1	<1			6.3		0.0318	0.032	<0.01						0.06	5.1	<0.0005	<0.05	<0.005
MC +1300 S	18-May-2021	<1	<1			6.6		0.0318	0.032	<0.01						0.0612	<3	<0.0005	<0.05	<0.005
MC +900 S	18-May-2021	<1	<1			6.3		0.0305	0.03	<0.01						0.0589	<3	<0.0005	<0.05	<0.005
MC +950 S	18-May-2021	<1	<1			5.8		0.0288	0.029	<0.01						0.056	<3	<0.0005	<0.05	<0.005
MC 25 + 10	25-Oct-2021	<1	<1	0.6	<0.1	1.1	0.111	0.0111	0.011	<0.01	<0.05	<0.005				0.252	<3	<0.0005	<0.05	0.0269
MC- TP4 DC	13-Dec-2021															0.0236	15.9	0.000275	0.0063	0.018
MC- TP4 DC	14-Dec-2021															0.0376	17.3	0.000172	0.0064	0.019
MC- TP4 DC	15-Dec-2021															0.0216	15.2	0.000148	0.0057	0.0186
MC- TP4 DC	16-Dec-2021															0.0186	15.8	0.000131	0.006	0.0184
MC- TP4 DC	17-Dec-2021															0.0214	15.7	0.000138	0.0057	0.0182

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
GLOVES 3	24-Nov-2021															0.19							
GLOVES 4	24-Nov-2021															0.24							
GRAB	13-Oct-2021	<0.0001	<0.0001	<0.00001	20.6	0.00091	0.00033	0.00289	0.696	<0.05	<0.0001	1.03	0.0171	0.00021	0.00045	<0.0002	0.24	<0.0005	<0.0002	3	<0.00005	1	0.0223
Headframe	7-Jul-2021	<0.0001	<0.0001	0.000266	20.4	<0.0005	<0.0001	0.00475	0.015	<0.05	<0.0001	0.785	0.00776	0.00012	<0.0004	0.00093	0.24	<0.0005	<0.0002	2	<0.00005	0.82	0.0256
Headframe	10-Nov-2021	<0.0001	<0.0001	0.0224	36.4	<0.0005	0.0017	0.941	0.148	<0.05	0.00036	1.86	0.15	0.00032	0.00561	0.124	0.13	<0.0005	<0.0002	2.7	<0.00005	1	0.0484
HW-UG	3-Mar-2021																						
HW-UG	14-Apr-2021	<0.0001	0.00019	0.0451	147	0.00522	0.0177	0.168	5.01	0.072	0.0274	22.3	2.57	0.00888	0.0227	0.217	13.1	0.00159	0.00039	12.5	0.0012	77.7	1.46
HW-UG	7-Jul-2021	<0.0001	<0.0001	0.0679	175	0.00128	0.0267	0.501	2.85	<0.05	0.0333	28.1	3.61	0.00215	0.0332	0.0735	10.2	0.00158	<0.0002	6.7	0.000104	91.6	1.81
HW-UG	10-Nov-2021	0.00024	0.00153	0.0742	151	0.031	0.0256	1.34	39.8	1.1	0.0268	32	2.9	0.0198	0.0452	1.45	11.5	0.00392	0.00071	32.2	0.0132	60.9	1.04
IN-DRAIN	21-Jan-2021																						
IN-DRAIN	25-Feb-2021																						
IN-DRAIN	25-May-2021																						
IN-DRAIN	25-Jul-2021																						
IN-DRAIN	1-Nov-2021																						
L-10E	3-Mar-2021																						
L-10E	14-Apr-2021	<0.0001	<0.0001	0.0618	79.8	0.00083	0.00384	1.43	6.55	<0.05	0.00195	11.2	0.377	0.0017	0.0111	0.0185	0.4	0.00118	<0.0002	4.3	<0.00005	2.44	0.56
L-10E	7-Jul-2021	<0.0001	<0.0001	0.0512	69.3	0.00092	0.00356	1.1	5.51	<0.05	0.00209	9.83	0.324	0.00196	0.00997	0.0147	0.4	0.00149	<0.0002	4.4	<0.00005	2.57	0.605
L-10E	10-Nov-2021	<0.0001	<0.0001	0.0848	69.1	0.00134	0.00468	2.34	8.46	0.063	0.00161	8.16	0.342	0.00099	0.013	0.0324	0.26	0.00069	<0.0002	4	0.000083	1.5	0.28
LID	24-Nov-2021															0.22							
LLD	3-Mar-2021																						
LLD	14-Apr-2021	<0.0001	<0.0001	0.000019	21.9	<0.0005	<0.0001	0.00075	0.025	<0.05	<0.0001	0.903	0.00126	<0.0001	<0.0004	0.00105	<0.1	<0.0005	<0.0002	2.4	<0.00005	0.94	0.0209
LLD	7-Jul-2021	<0.0001	<0.0001	<0.00001	12.3	<0.0005	<0.0001	<0.0004	0.011	<0.05	<0.0001	0.501	0.00131	<0.0001	<0.0004	0.00086	<0.1	<0.0005	<0.0002	1.6	<0.00005	0.6	0.0127
LLD	10-Nov-2021	<0.0001	<0.0001	0.000023	19.6	<0.0005	<0.0001	0.0007	<0.01	<0.05	<0.0001	0.75	0.00062	<0.0001	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	2.2	<0.00005	0.82	0.0165
LTDF	11-Aug-2021	<0.00001	0.000233	0.00371	111	0.00097	0.000481	0.0674	2.15	0.039	0.00379	4.89	0.116	0.0203	0.00382	0.121	14.3	0.00403	0.000054	2.79	0.0014	22.7	0.39
Lynx Bulkhead	1-Nov-2021																						
Lynx Bulkhead	5-Nov-2021	0.00062	<0.0001	0.186	335	0.00153	0.0688	3.95	3.26	<0.05	0.0197	63.2	8.45	<0.0001	0.0716	0.54	7.08	0.00076	<0.0002	9.3	<0.00005	27.7	1.15
Lynx Bulkhead	6-Nov-2021	0.00063	<0.0001	0.211	354	0.00125	0.0741	3.91	3.65	<0.05	0.0221	71.6	8.83	<0.0001	0.0772	0.461	7.69	0.00063	<0.0002	9.4	<0.00005	31.9	1.26
Lynx Bulkhead	7-Nov-2021	0.00054	<0.0001	0.277	359	0.00078	0.0876	4.25	3.49	<0.05	0.0244	79.5	9.79	<0.0001	0.0915	0.413	8.42	0.00077	<0.0002	9.9	<0.00005	39.2	1.46
Lynx Bulkhead	8-Nov-2021	0.000265	<0.00001	0.242	361	0.00032	0.0875	2.16	0.381	<0.01	0.025	86.9	9.52	0.000023	0.0985	0.232	8.67	0.0008	<0.00005	8.3	<0.00001	48	1.87
Lynx Bulkhead	10-Nov-2021	0.000274	0.00002	0.219	355	0.00023	0.083	2.26	4.17	<0.01	0.0213	86.9	8.91	0.000104	0.087	0.22	8.88	0.00097	<0.00005	8.29	0.000017	40.4	1.67
Lynx Bulkhead	12-Nov-2021	0.00028	0.000021	0.179	380	0.00027	0.0749	2.36	4.94	<0.01	0.0202	81	8.62	0.000124	0.076	0.252	8.39	0.0006	<0.00005	8.73	0.00002	39.6	1.7
Lynx Bulkhead	13-Nov-2021	0.000248	0.000014	0.177	374	0.00033	0.0726	2.28	5.07	<0.01	0.0201	78.6	8.6	0.000126	0.0759	0.235	8.36	0.00061	<0.00005	8.07	0.000021	42	1.67
Lynx Bulkhead	14-Nov-2021	0.000212	0.000033	0.131	367	0.00035	0.0612	1.91	3.65	0.015	0.0168	69.6	8.57	0.000208	0.0641	0.235	8.23	0.00045	<0.00005	8.4	0.000035	31.7	1.49
Lynx TDF Supernatant	17-Nov-2021	0.00714	0.0247	3.04	1340	0.285	1.26	109	1130	7.57	0.0315	367	125	0.144	1.9	34.6	9.98	0.0231	0.00125	323	0.184	6.81	2.83
MC +1000 S	18-May-2021	<0.0001	<0.0001	0.000031	6.02	<0.0005	<0.0001	0.00068	<0.01	<0.05	0.00016	0.39	0.00152	0.00042	<0.0004	<0.0002	0.18	<0.0005	0.0153	<1	<0.00005	0.89	0.0136
MC +1050 S	18-May-2021	<0.0001	<0.0001	0.000066	6.21	<0.0005	<0.0001	0.00114	<0.01	<0.05	0.00015	0.46	0.00421	0.00036	<0.0004	<0.0002	0.17	<0.0005	<0.0002	<1	<0.00005	0.9	0.0134
MC +1100 S	18-May-2021	<0.0001	<0.0001	0.000291	6.74	<0.0005	<0.0001	0.00458	<0.01	<0.05	0.00014	0.605	0.0214	0.00045	<0.0004	<0.0002	0.21	<0.0005	<0.0002	<1	<0.00005	0.94	0.0148
MC +1150 S	18-May-2021	<0.0001	<0.0001	0.000239	6.62	<0.0005	<0.0001	0.00301	<0.01	<0.05	0.00015	0.521	0.0109	0.00042	<0.0004	<0.0002	0.2	<0.0005	<0.0002	<1	<0.00005	0.94	0.0139
MC +1200 S	18-May-2021	<0.0001	<0.0001	0.000337	7.93	<0.0005	<0.0001	0.00512	<0.01	<0.05	0.00017	0.827	0.0205	0.00038	0.00045	<0.0002	0.2	<0.0005	<0.0002	1.1	<0.00005	0.98	0.0165
MC +1250 S	18-May-2021	<0.0001	<0.0001	0.000056	6.19	<0.0005	<0.0001	0.00117	<0.01	<0.05	0.0001	0.416	0.00399	0.00043	<0.0004	<0.0002	0.19	<0.0005	<0.0002	1	<0.00005	0.91	0.0133
MC +1300 S	18-May-2021	<0.0001	<0.0001	0.000054	6.04	<0.0005	<0.0001	0.00108	0.011	<0.05	<0.0001	0.436	0.00416	0.00042	0.0009	<0.0002	0.18	<0.0005	<0.0002	1.1	<0.00005	0.93	0.0136
MC +900 S	18-May-2021	<0.0001	<0.0001	0.000037	6.36	<0.0005	<0.0001	0.00069	0.01	<0.05	0.00013	0.424	0.00165	0.00041	0.00061	<0.0002	0.18	<0.0005	<0.0002	1.1	<0.00005	1	0.0138
MC +950 S	18-May-2021	<0.0001	<0.0001	0.000042	6.21	<0.0005	<0.0001	0.00074	<0.01	<0.05	0.00018	0.409	0.00162	0.00039	<0.0004	<0.0002	0.19	<0.0005	<0.0002	<1	<0.00005	0.94	0.0132
MC 25 + 10	25-Oct-2021	<0.0001	<0.0001	0.000291	3.75	<0.0005	0.00017	0.00972	0.262	<0.05	<0.0001	0.288	0.0104	0.00019	<0.0004	0.00165	<0.1	<0.0005	<0.0002	1.4	0.000053	0.58	0.0069
MC- TP4 DC	13-Dec-2021	<0.00001	<0.00001	0.000226	28	0.00018	0.0000706	0.0013	0.0116	<0.01	0.000229	2.08	0.0215	0.00068	0.000274	0.000066	0.457	0.00022	<0.00005	1.8	<0.00001	1.53	0.0557
MC- TP4 DC	14-Dec-2021	<0.00001	<0.00001	0.000288	28.1	0.00016	0.0000658	0.00183	0.0298	<0.01	0.000245	2.19	0.0105	0.000914	0.000283	0.000203	0.637	0.00025	<0.00005	1.93	<0.00001	1.84	0.0592
MC- TP4 DC	15-Dec-2021	<0.00001	<0.00001	0.000281	26.8	0.00015	0.0000461	0.00191	0.0112	<0.01	0.000204	2	0.00668	0.000729	0.000279	0.000101	0.495	0.0002	<0.00005	1.82	<0.00001	1.56	0.0533
MC- TP4 DC	16-Dec-2021	<0.00001	<0.00001	0.000288	28	0.00017	0.0000388	0.00176	0.012	<0.01	0.000231	2.14	0.0075	0.000855	0.000247	0.000142	0.585	0.00025	<0.00005	1.82	<0.00001	1.81	0.0591
MC- TP4 DC	17-Dec-2021	<0.00001	<0.00001	0.000271	27	0.00014	0.0000349	0.00163	0.0119	<0.01	0.000197	2.08	0.00659	0.000912	0.000233	0.000103	0.564	0.00023	<0.00005	1.81	<0.00001	1.74	0.0569

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
GLOVES 3	24-Nov-2021																							
GLOVES 4	24-Nov-2021																							
GRAB	13-Oct-2021	<0.0005	<0.00002	<0.0001	0.0326	<0.001	0.000039	0.0023	<0.004	<0.0001		0.016	3.2	0.00051	<0.05	<0.0001	<0.0001	<0.005	<0.00001	20.1	<0.0005	<0.0001	<0.0004	<0.01
Headframe	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0439	<0.0001	<0.00001	0.0241	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0315	0.000207	17.9	<0.0005	<0.0001	0.00352	<0.01
Headframe	10-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000094	<0.001	5.22	<0.0001	<0.00001	0.0276	18.3	<0.0005	<0.05	<0.0001	<0.0001	0.0834	0.0268	36.9	<0.0005	0.00191	0.742	0.017
HW-UG	3-Mar-2021											0.0132	147	0.00076	0.211	<0.0001	<0.0001	0.0362	0.0321	138	<0.0005	0.0125	0.0263	<0.01
HW-UG	14-Apr-2021	<0.0005	0.000185	0.00014	0.0961	0.001	0.000907	0.0073	11.3	0.00263	<0.00001	0.007	161	0.00079	0.198	<0.0001	<0.0001	0.0264	0.039	137	<0.0005	0.0156	0.0264	<0.01
HW-UG	7-Jul-2021	<0.0005	0.000187	<0.0001	0.0058	<0.001	0.000566	<0.001	18.9	<0.0001	<0.00001	0.017	217	0.00051	0.204	<0.0001	<0.0001	0.0262	0.0601	159	<0.0005	0.0238	0.249	0.196
HW-UG	10-Nov-2021	0.00213	0.000315	0.0008	1.3	0.0026	0.00344	0.0678	17.4	0.0057	<0.00001	0.0174	118	0.00106	0.262	<0.0001	<0.0001	0.0357	0.0233	129	<0.0005	0.00864	0.00851	<0.01
IN-DRAIN	21-Jan-2021											19.1	256	0.00068	<0.05	0.00069	<0.0001	0.0174	0.0845	133	0.00052	0.0535	4.09	37.2
IN-DRAIN	25-Feb-2021											30.3	353	0.00083	<0.05	0.0011	<0.0001	0.0123	0.129	140	<0.0005	0.102	6.18	26.2
IN-DRAIN	25-May-2021											36	328	0.00087	<0.05	0.00116	<0.0001	0.013	0.14	141	0.00076	0.109	7.08	23.2
IN-DRAIN	25-Jul-2021											21	257	0.00092	<0.05	0.00095	<0.0001	0.0161	0.109	129	<0.0005	0.0765	5.09	3.83
IN-DRAIN	1-Nov-2021											14.5	252	0.000451	0.0118	0.00042	<0.00001	0.0164	0.0758	120	0.00044	0.0477	3.24	37.1
L-10E	3-Mar-2021											0.0141	79.7	<0.0005	<0.05	<0.0001	<0.0001	0.0305	0.0616	90.6	<0.0005	0.00443	0.134	0.011
L-10E	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000402	<0.001	14.7	<0.0001	<0.00001	0.0098	65.3	<0.0005	<0.05	<0.0001	<0.0001	0.0326	0.0538	75.6	<0.0005	0.00361	0.121	<0.01
L-10E	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000402	<0.001	11.7	<0.0001	<0.00001	0.0154	49.1	<0.0005	<0.05	<0.0001	<0.0001	0.033	0.0385	62.3	<0.0005	0.00312	0.0575	<0.01
L-10E	10-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000383	<0.001	19.7	<0.0001	<0.00001	0.0214	62.8	<0.0005	<0.05	<0.0001	<0.0001	0.0328	0.0861	68	0.00084	0.00466	0.261	0.016
LID	24-Nov-2021																							
LLD	3-Mar-2021											0.0119	4.2	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	22.1	<0.0005	<0.0001	0.00057	<0.01
LLD	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0193	<0.0001	<0.00001	0.0104	<3	<0.0005	<0.05	<0.0001	<0.0001	0.014	0.000011	20.5	<0.0005	<0.0001	0.00043	<0.01
LLD	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	<0.004	<0.0001	<0.00001	0.0124	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	11.1	<0.0005	<0.0001	0.00625	<0.01
LLD	10-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0069	<0.0001	<0.00001	0.0191	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000023	19.6	0.00061	<0.0001	0.00053	<0.01
LTDF	11-Aug-2021	0.000297	0.0000985	0.000013	0.02	0.00207	0.0000766	0.00172	0.724	0.000184		0.109	134	0.00132	0.0721	<0.00001	0.000011	0.045	0.00108	106	0.00017	0.000156	0.0188	0.0048
Lynx Bulkhead	1-Nov-2021																							
Lynx Bulkhead	5-Nov-2021	<0.0005	0.000161	<0.0001	<0.005	<0.001	0.00202	<0.001	56.5	<0.0001		8.8	417	0.00091	0.101	0.00067	<0.0001	0.0094	0.166	325	0.00115	0.0625	3.61	1.05
Lynx Bulkhead	6-Nov-2021	<0.0005	0.00015	<0.0001	<0.005	<0.001	0.00201	<0.001	64.8	<0.0001		8.85	470	0.00106	0.118	0.00067	<0.0001	0.0103	0.204	331	0.00082	0.0727	3.85	1.17
Lynx Bulkhead	7-Nov-2021	<0.0005	0.000153	<0.0001	<0.005	<0.001	0.00211	<0.001	81.9	<0.0001		6.58	456	0.00085	0.146	0.00058	<0.0001	0.0098	0.238	333	0.00061	0.0771	3.78	0.338
Lynx Bulkhead	8-Nov-2021	<0.00005	0.000194	<0.00001	<0.0002	<0.0002	0.0015	<0.0002	66	<0.00002		2.38	416	0.00134	0.15	0.000249	0.000032	0.00982	0.198	316	0.00028	0.0718	1.8	2.74
Lynx Bulkhead	10-Nov-2021	<0.00005	0.000183	<0.00001	<0.0002	<0.0002	0.00134	<0.0002	65	<0.00002		1.75	441	0.000748	0.132	0.000257	<0.00001	0.00847	0.197	336	0.00029	0.0761	2.05	0.874
Lynx Bulkhead	12-Nov-2021	<0.00005	0.000161	<0.00001	0.00184	<0.0002	0.00135	<0.0002	62	0.000033		1.85	481	0.000595	0.134	0.000235	<0.00001	0.0106	0.18	354	0.00015	0.0749	2.28	1.63
Lynx Bulkhead	13-Nov-2021	0.000052	0.000157	<0.00001	0.00039	<0.0002	0.00128	<0.0002	60.6	<0.00002		1.66	475	0.000666	0.158	0.000244	<0.00001	0.00998	0.176	339	0.00021	0.0734	2.17	2.75
Lynx Bulkhead	14-Nov-2021	<0.00005	0.00016	<0.00001	0.00635	<0.0002	0.00107	<0.0002	49.4	0.000079		1.42	451	0.000635	0.114	0.000196	<0.00001	0.0106	0.134	351	0.00015	0.064	1.85	1.64
Lynx TDF Supernatant	17-Nov-2021	0.0156	0.00532	0.0139	2.89	0.00341	0.0944	0.273	879	0.00712														
MC +1000 S	18-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	<0.001	0.0154	<0.0001														
MC +1050 S	18-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024	<0.001	0.0405	<0.0001														
MC +1100 S	18-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025	<0.001	0.109	<0.0001														
MC +1150 S	18-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026	<0.001	0.0652	0.00249														
MC +1200 S	18-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026	<0.001	0.133	<0.0001														
MC +1250 S	18-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00003	<0.001	0.027	<0.0001														
MC +1300 S	18-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000028	<0.001	0.0271	<0.0001														
MC +900 S	18-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026	<0.001	0.0207	<0.0001														
MC +950 S	18-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025	<0.001	0.0155	<0.0001														
MC 25 + 10	25-Oct-2021	<0.0005	<0.00002	<0.0001	0.0058	<0.001	0.000033	<0.001	0.0705	<0.0001		0.0864	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000065	3.28	<0.0005	<0.0001	0.0017	0.014
MC- TP4 DC	13-Dec-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000142	<0.0002	0.0916	0.000228		0.0123	14.5	<0.00005	0.0045	<0.00001	<0.00001	0.0162	0.000204	23.5	<0.0001	0.0000358	0.00131	<0.002
MC- TP4 DC	14-Dec-2021	<0.00005	<0.000004	<0.00001	0.00036	<0.0002	0.0000174	<0.0002	0.102	<0.00002		0.0137	16.5	<0.00005	0.0053	<0.00001	<0.00001	0.0172	0.000244	24.7	<0.0001	0.0000346	0.00122	<0.002
MC- TP4 DC	15-Dec-2021	<0.00005	<0.000004	<0.00001	0.0002	<0.0002	0.0000166	<0.0002	0.0996	<0.00002		0.0134	14.2	0.000058	0.0045	<0.00001	<0.00001	0.0175	0.000268	23.2	<0.0001	0.0000342	0.00168	0.0022
MC- TP4 DC	16-Dec-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000156	<0.0002	0.106	<0.00002		0.0121	16.1	0.000066	0.005	<0.00001	<0.00001	0.018	0.000308	24.6	<0.0001	0.0000418	0.00172	0.0049
MC- TP4 DC	17-Dec-2021	<0.00005	<0.000004	<0.00001	0.00023	<0.0002	0.000015	<0.0002	0.102	<0.00002		0.0157	15.6	0.000059	0.005	<0.00001	<0.00001	0.0177	0.000261	24	<0.0001	0.0000313	0.00137	<0.002

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
GLOVES 3	24-Nov-2021																						
GLOVES 4	24-Nov-2021																						
GRAB	13-Oct-2021	<0.05	<0.0001	0.633	0.00181	0.00018	<0.0004	<0.0002	0.17	<0.0002	<0.0005	2.1	0.0204	<0.0002	<0.00005	0.85	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000032
Headframe	7-Jul-2021	<0.05	0.00012	0.66	0.0062	<0.0001	<0.0004	0.0004	<0.1	<0.0002	<0.0005	1.8	0.0218	<0.0002	<0.00005	0.65	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Headframe	10-Nov-2021	<0.05	0.00039	2.04	0.173	0.00032	0.00638	0.0483	0.14	<0.0002	<0.0005	2.8	0.0516	<0.0002	<0.00005	1	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
HW-UG	3-Mar-2021	<0.05	0.0228	16.7	2.18	0.00383	0.0172	0.00074	8.96		0.00079	4.8	1.07	<0.0002	<0.00005	61.3	0.00263	<0.0005	0.000098	<0.0001	<0.005	<0.001	0.000148
HW-UG	14-Apr-2021	<0.05	0.0249	17.1	2.38	0.00747	0.019	0.00384	11.2	0.00841	0.00151	5.5	1.38	<0.0002	<0.00005	74.1	0.00563	<0.0005	0.000121	<0.0001	<0.005	<0.001	0.000425
HW-UG	7-Jul-2021	<0.05	0.0293	25.2	3.22	0.00177	0.0291	0.00151	9.17	0.00263	0.00124	5.2	1.63	<0.0002	<0.00005	82.7	0.00189	<0.0005	0.000166	<0.0001	<0.005	<0.001	0.000244
HW-UG	10-Nov-2021	<0.05	0.0188	12.9	1.68	0.0101	0.0132	0.00537	8.25	0.0178	0.00247	4.5	0.892	<0.0002	<0.00005	55.3	0.0067	<0.0005	0.000099	<0.0001	<0.005	<0.001	0.000446
IN-DRAIN	21-Jan-2021	<0.05	0.00623	44	5.38	0.00013	0.0601	0.00427	1.68		<0.0005	14.6	0.269	<0.0002	<0.00005	3.47	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000382
IN-DRAIN	25-Feb-2021	<0.05	0.00704	78.7	10.6	<0.0001	0.106	0.00872	1.8		<0.0005	17.3	0.337	<0.0002	<0.00005	4.51	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00052
IN-DRAIN	25-May-2021	<0.05	0.00669	85.1	11.6	0.00011	0.108	0.00307	1.8		0.00201	18.2	0.318	<0.0002	<0.00005	5	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000543
IN-DRAIN	25-Jul-2021	<0.05	0.00506	60	8.83	0.00014	0.076	0.00428	1.51		<0.0005	16.3	0.28	0.00022	<0.00005	4.87	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000503
IN-DRAIN	1-Nov-2021	<0.01	0.00482	45.7	6.24	0.000106	0.049	0.00342	1.79		0.00017	12.4	0.284	<0.00005	<0.00001	5.3	<0.00005	<0.00005	0.0000159	<0.00001	<0.0002	<0.0002	0.000366
L-10E	3-Mar-2021	<0.05	0.00468	11.3	0.456	0.00113	0.0122	<0.0002	0.4		0.00097	4.4	0.519	<0.0002	<0.00005	2.05	0.00043	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000098
L-10E	14-Apr-2021	<0.05	0.00181	9.65	0.358	0.00131	0.0103	<0.0002	0.33	0.00088	0.00108	4.4	0.532	<0.0002	<0.00005	2.34	0.00054	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000112
L-10E	7-Jul-2021	<0.05	0.0019	8.67	0.286	0.00159	0.00848	<0.0002	0.34	0.00082	0.00143	3.8	0.543	<0.0002	<0.00005	2.27	0.00062	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
L-10E	10-Nov-2021	<0.05	0.00153	7.84	0.332	0.00059	0.013	<0.0002	0.25	0.00099	0.00053	3.7	0.272	<0.0002	<0.00005	1.45	0.00035	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024
LID	24-Nov-2021																						
LLD	3-Mar-2021	<0.05	0.00131	0.815	0.00044	<0.0001	<0.0004	<0.0002	<0.1		<0.0005	2.8	0.0186	<0.0002	<0.00005	0.82	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
LLD	14-Apr-2021	<0.05	<0.0001	0.793	0.0006	<0.0001	<0.0004	0.00029	<0.1	<0.0002	<0.0005	2.2	0.0196	<0.0002	<0.00005	0.88	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
LLD	7-Jul-2021	<0.05	0.00015	0.439	0.00047	<0.0001	0.00442	0.00042	<0.1	<0.0002	<0.0005	1.5	0.0111	<0.0002	<0.00005	0.53	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
LLD	10-Nov-2021	<0.05	<0.0001	0.723	0.0006	<0.0001	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	2.3	0.017	<0.0002	<0.00005	0.82	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
LTDF	11-Aug-2021	0.023	0.00349	4.48	0.0869	0.0188	0.00278	0.00088	13.4	0.0145	0.00334	2.02	0.365	<0.00005	0.000633	22.5	0.0127	<0.00005	0.0000548	<0.00001	<0.0002	0.00189	0.0000352
Lynx Bulkhead	1-Nov-2021																						
Lynx Bulkhead	5-Nov-2021	<0.05	0.0186	59.1	7.69	<0.0001	0.0649	0.503	6.59	<0.0002	0.00068	8.8	1.03	<0.0002	<0.00005	25.9	<0.0002	<0.0005	0.000146	<0.0001	<0.005	<0.001	0.00193
Lynx Bulkhead	6-Nov-2021	<0.05	0.0202	69.4	8.68	<0.0001	0.0754	0.427	7.53	<0.0002	0.00085	9.2	1.23	<0.0002	<0.00005	31.5	<0.0002	<0.0005	0.000138	<0.0001	<0.005	<0.001	0.00188
Lynx Bulkhead	7-Nov-2021	<0.05	0.0218	72.1	8.57	<0.0001	0.0809	0.392	7.22	<0.0002	0.00092	8.4	1.27	<0.0002	<0.00005	33.8	<0.0002	<0.0005	0.000139	<0.0001	<0.005	<0.001	0.00195
Lynx Bulkhead	8-Nov-2021	<0.01	0.0202	72.2	8.4	0.000158	0.0794	0.21	7.28	0.000371	0.00107	6.93	1.49	<0.00005	0.000034	39.9	0.000421	0.000088	0.000152	<0.00001	0.0005	<0.0002	0.00117
Lynx Bulkhead	10-Nov-2021	<0.01	0.0192	75.8	8.51	<0.00001	0.0787	0.177	7.83	0.000273	0.00082	7.31	1.5	<0.00005	<0.00001	35.5	0.000122	<0.00005	0.000169	<0.00001	<0.0002	<0.0002	0.00116
Lynx Bulkhead	12-Nov-2021	<0.01	0.0189	78.5	9.51	<0.00001	0.0759	0.212	7.99	0.000155	0.00051	8.55	1.65	<0.00005	<0.00001	37.8	0.000075	<0.00005	0.000153	<0.00001	<0.0002	<0.0002	0.00127
Lynx Bulkhead	13-Nov-2021	<0.01	0.0204	77.5	9.32	<0.00001	0.076	0.211	7.89	0.000178	0.00057	8.38	1.67	<0.00005	<0.00001	41.3	0.000097	<0.00005	0.000161	<0.00001	<0.0002	<0.0002	0.00129
Lynx Bulkhead	14-Nov-2021	<0.01	0.0162	69.3	8.8	0.000016	0.0657	0.196	7.93	0.000173	0.00044	8.44	1.52	<0.00005	<0.00001	31.2	0.000101	<0.00005	0.000154	<0.00001	<0.0002	<0.0002	0.00103
Lynx TDF Supernatant	17-Nov-2021									0.0402													
MC +1000 S	18-May-2021									0.00023													
MC +1050 S	18-May-2021									0.00024													
MC +1100 S	18-May-2021									<0.0002													
MC +1150 S	18-May-2021									0.00029													
MC +1200 S	18-May-2021									0.0003													
MC +1250 S	18-May-2021									0.00037													
MC +1300 S	18-May-2021									0.00023													
MC +900 S	18-May-2021									0.00037													
MC +950 S	18-May-2021									<0.0002													
MC 25 + 10	25-Oct-2021	<0.05	<0.0001	0.191	0.00239	0.00014	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.1	0.0059	<0.0002	<0.00005	0.52	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026
MC- TP4 DC	13-Dec-2021	<0.01	0.000225	2	0.0145	0.000592	0.000552	<0.00005	0.43	0.000341	0.00018	1.77	0.0473	<0.00005	<0.00001	1.52	0.000279	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000128
MC- TP4 DC	14-Dec-2021	<0.01	0.000258	2.14	0.0056	0.000842	0.000291	<0.00005	0.598	0.000534	0.0002	1.79	0.0511	<0.00005	<0.00001	1.79	0.000445	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000157
MC- TP4 DC	15-Dec-2021	<0.01	0.000203	1.97	0.00451	0.000708	0.000231	0.00006	0.471	0.000384	0.00017	1.79	0.0473	<0.00005	<0.00001	1.56	0.00035	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000164
MC- TP4 DC	16-Dec-2021	<0.01	0.000251	2.16	0.007	0.000788	0.000244	0.000107	0.598	0.000424	0.0002	1.84	0.0528	<0.00005	<0.00001	1.81	0.00041	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000155
MC- TP4 DC	17-Dec-2021	<0.01	0.000211	2.11	0.00615	0.000863	0.000213	0.00005	0.552	0.000435	0.00024	1.85	0.0516	<0.00005	<0.00001	1.77	0.000424	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000141

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
GLOVES 3	24-Nov-2021								
GLOVES 4	24-Nov-2021								
GRAB	13-Oct-2021	<0.001	<0.004	<0.0001					
Headframe	7-Jul-2021	<0.001	0.0352	<0.0001	<0.00001				
Headframe	10-Nov-2021	<0.001	5.68	<0.0001	<0.00001				
HW-UG	3-Mar-2021	<0.001	7.66	<0.0001					
HW-UG	14-Apr-2021	<0.001	9.76	<0.0001	<0.00001				
HW-UG	7-Jul-2021	<0.001	17.9	<0.0001	<0.00001				
HW-UG	10-Nov-2021	<0.001	4.13	<0.0001	<0.00001				
IN-DRAIN	21-Jan-2021	<0.001	23.1	0.00013					
IN-DRAIN	25-Feb-2021	<0.001	41.1	0.00023					
IN-DRAIN	25-May-2021	<0.001	49.3	0.00028					
IN-DRAIN	25-Jul-2021	<0.001	28	0.00011					
IN-DRAIN	1-Nov-2021	<0.0002	22	0.000131					
L-10E	3-Mar-2021	<0.001	16.8	<0.0001					
L-10E	14-Apr-2021	<0.001	13.3	<0.0001	<0.00001				
L-10E	7-Jul-2021	<0.001	9.4	<0.0001	<0.00001				
L-10E	10-Nov-2021	<0.001	18.3	<0.0001	<0.00001				
LID	24-Nov-2021								
LLD	3-Mar-2021	<0.001	<0.004	<0.0001					
LLD	14-Apr-2021	<0.001	<0.004	<0.0001	<0.00001				
LLD	7-Jul-2021	<0.001	<0.004	<0.0001	<0.00001				
LLD	10-Nov-2021	<0.001	0.0073	<0.0001	<0.00001				
LTDF	11-Aug-2021	<0.0002	0.0298	<0.00002					
Lynx Bulkhead	1-Nov-2021								
Lynx Bulkhead	5-Nov-2021	<0.001	50.8	<0.0001					
Lynx Bulkhead	6-Nov-2021	<0.001	55.1	<0.0001					
Lynx Bulkhead	7-Nov-2021	<0.001	74.9	<0.0001					
Lynx Bulkhead	8-Nov-2021	<0.0002	61.1	0.000021					
Lynx Bulkhead	10-Nov-2021	<0.0002	62	<0.00002					
Lynx Bulkhead	12-Nov-2021	<0.0002	59.1	<0.00002					
Lynx Bulkhead	13-Nov-2021	<0.0002	57.8	<0.00002					
Lynx Bulkhead	14-Nov-2021	<0.0002	45.1	<0.00002					
Lynx TDF Supernatant	17-Nov-2021								
MC +1000 S	18-May-2021								
MC +1050 S	18-May-2021								
MC +1100 S	18-May-2021								
MC +1150 S	18-May-2021								
MC +1200 S	18-May-2021								
MC +1250 S	18-May-2021								
MC +1300 S	18-May-2021								
MC +900 S	18-May-2021								
MC +950 S	18-May-2021								
MC 25 + 10	25-Oct-2021	<0.001	0.0181	<0.0001					
MC- TP4 DC	13-Dec-2021	<0.0002	0.081	<0.00002					
MC- TP4 DC	14-Dec-2021	<0.0002	0.0893	<0.00002					
MC- TP4 DC	15-Dec-2021	<0.0002	0.0921	<0.00002					
MC- TP4 DC	16-Dec-2021	<0.0002	0.103	<0.00002					
MC- TP4 DC	17-Dec-2021	<0.0002	0.097	<0.00002					

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21L3370	6	No	Regular	MC- TP4 DC	MC- TP4 DC	18-Dec-2021										
21L3370	7	No	Regular	MC- TP4 DC	MC- TP4 DC	19-Dec-2021										
21L3743	1	No	Regular	MC- TP4 DC	MC- TP4 DC	21-Dec-2021										
21L3743	2	No	Regular	MC- TP4 DC	MC- TP4 DC	22-Dec-2021										
21L3743	3	No	Regular	MC- TP4 DC	MC- TP4 DC	23-Dec-2021										
21L3743	4	No	Regular	MC- TP4 DC	MC- TP4 DC	24-Dec-2021										
21L3743	5	No	Regular	MC- TP4 DC	MC- TP4 DC	25-Dec-2021										
21L3743	6	No	Regular	MC- TP4 DC	MC- TP4 DC	26-Dec-2021										
21L3743	7	No	Regular	MC- TP4 DC	MC- TP4 DC	27-Dec-2021										
21H2440	2	No	Regular	MC+0	MC+0	18-Aug-2021	7.05	27.3					2.2	10.9	<1	10.9
21H2440	3	No	Regular	MC+100	MC+100	18-Aug-2021	7.09	29.1					2.2	11.6	<1	11.6
21H2440	12	No	Regular	MC+1000	MC+1000	18-Aug-2021	7.24	235					2.5	20.3	<1	20.3
21H2440	13	No	Regular	MC+1100	MC+1100	18-Aug-2021	7.25	233					2.4	20.4	<1	20.4
21H2440	14	No	Regular	MC+1200	MC+1200	18-Aug-2021	7.2	236					2.7	20.7	<1	20.7
21H2440	15	No	Regular	MC+1300	MC+1300	18-Aug-2021	6.93	269					4.8	17.2	<1	17.2
21H2440	4	No	Regular	MC+200	MC+200	18-Aug-2021	7.09	29.2					2.2	11.7	<1	11.7
21H2440	5	No	Regular	MC+300	MC+300	18-Aug-2021	7.11	29.7					2.7	12.1	<1	12.1
21H2440	6	No	Regular	MC+400	MC+400	18-Aug-2021	7.13	32.1					2.2	12.4	<1	12.4
21H2440	7	No	Regular	MC+500	MC+500	18-Aug-2021	7.18	132					2.4	13.5	<1	13.5
21B1330	3	No	Regular	MC+600	MC+600	10-Feb-2021	7.32	242	109			2.8		24.9	<1	24.9
21D1936	3	No	Regular	MC+600	MC+600	14-Apr-2021	6.8	151				<2		22.6	<1	22.6
21G0927	3	No	Regular	MC+600	MC+600	8-Jul-2021	7.13	105				<2		11.7	<1	11.7
21H2440	8	No	Regular	MC+600	MC+600	18-Aug-2021	7.22	219					2.7	16.5	<1	16.5
21I2369	3	No	Regular	MC+600	MC+600	15-Sep-2021	6.92	232				<4		15.6	<1	15.6
21J2034	1	No	Regular	MC+600	MC+600	13-Oct-2021	7.31	168				<2		16.3	<1	16.3
21K2042	3	No	Regular	MC+600	MC+600	15-Nov-2021	7.19	96.1				<2		12.9	<1	12.9
21H2440	9	No	Regular	MC+700	MC+700	18-Aug-2021	7.23	224					3.6	31.3	<1	31.3
21H2440	10	No	Regular	MC+800	MC+800	18-Aug-2021	7.25	221					3.1	28.3	<1	28.3
21H2440	17	No	Regular	MC+800 SEEP	MC+800 SEEP	18-Aug-2021	7.36	167					3.3	44.5	<1	44.5
21E2317	11	No	Regular	MC+850 S	MC+850 S	18-May-2021	7.22	40.9					<2	11.8	<1	11.8
21H2440	11	No	Regular	MC+900	MC+900	18-Aug-2021	7.26	241					2.7	20.2	<1	20.2
21E2317	10	No	Regular	MC+950 SEEP	MC+950 SEEP	18-May-2021	7.21	41.3					<2	12.7	<1	12.7
21H2440	1	No	Regular	MC-500	MC-500	18-Aug-2021	7.16	25.7					2	10.8	<1	10.8
21I2395	1	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	7-Sep-2021										
21I2395	2	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	8-Sep-2021										
21I2395	3	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	9-Sep-2021										
21I2395	4	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	10-Sep-2021										
21I2395	5	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	11-Sep-2021										
21I2395	6	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	12-Sep-2021										
21I2395	7	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	13-Sep-2021										
21I3573	1	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	14-Sep-2021										
21I3573	2	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	15-Sep-2021										
21I3573	3	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	16-Sep-2021										
21I3573	4	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	17-Sep-2021										
21I3573	5	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	18-Sep-2021										
21I3573	6	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	19-Sep-2021										
21I3573	7	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	20-Sep-2021										
21J0449	1	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	21-Sep-2021										
21J0449	2	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	22-Sep-2021										

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+ Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MC- TP4 DC	18-Dec-2021															0.034	16.3	0.00016	0.0059	0.019
MC- TP4 DC	19-Dec-2021															0.0284	14.8	0.000189	0.0057	0.0203
MC- TP4 DC	21-Dec-2021															0.0378	16.1	0.00015	0.0053	0.0207
MC- TP4 DC	22-Dec-2021															0.0478	11.5	0.000073	0.0035	0.0244
MC- TP4 DC	23-Dec-2021															0.027	13.8	0.000074	0.0043	0.0212
MC- TP4 DC	24-Dec-2021															0.0254	13.4	<0.00005	0.0039	0.018
MC- TP4 DC	25-Dec-2021															0.0267	13.8	0.000052	0.0036	0.0188
MC- TP4 DC	26-Dec-2021															0.0264	15.6	0.000052	0.0037	0.0203
MC- TP4 DC	27-Dec-2021															0.053	16.5	0.000068	0.0051	0.00916
MC+0	18-Aug-2021	<1	<1			1.6		0.0238	0.024	<0.01						0.0248	<3	<0.0005	<0.05	0.0054
MC+100	18-Aug-2021	<1	<1			1.6		0.0299	0.03	<0.01						0.025	<3	<0.0005	<0.05	0.0056
MC+1000	18-Aug-2021	<1	<1			83.6		0.541	0.511	0.03						0.0603	28.1	<0.0005	<0.05	0.0124
MC+1100	18-Aug-2021	<1	<1			77.7		0.531	0.502	0.029						0.058	29.7	<0.0005	<0.05	0.013
MC+1200	18-Aug-2021	<1	<1			85.3		0.466	0.466	<0.01						0.0613	30.2	<0.0005	<0.05	0.0136
MC+1300	18-Aug-2021	<1	<1			98		0.522	0.503	0.02						0.0486	39.4	<0.0005	<0.05	0.0181
MC+200	18-Aug-2021	<1	<1			2.3		0.025	0.025	<0.01						0.0249	<3	<0.0005	<0.05	0.0053
MC+300	18-Aug-2021	<1	<1			2.3		0.0247	0.025	<0.01						0.0247	<3	<0.0005	<0.05	0.0059
MC+400	18-Aug-2021	<1	<1			2.5		0.0271	0.027	<0.01						0.0254	<3	<0.0005	<0.05	0.0058
MC+500	18-Aug-2021	<1	<1			40.1		0.264	0.249	0.015						0.0402	13.7	<0.0005	<0.05	0.0081
MC+600	10-Feb-2021	<1	<1	2.02	<0.1	93.8		0.29	0.29	<0.01	0.187	<0.005	<0.005	0.78	0.64	0.11	32.8	<0.0005	<0.05	0.0183
MC+600	14-Apr-2021	<1	<1	1.58	<0.1	47		0.219	0.219	<0.01	0.151	0.0059		1.46	1.01	0.0627	16.4	<0.0005	<0.05	0.0124
MC+600	8-Jul-2021	<1	<1	1.01	<0.1	32.8		0.161	0.161	<0.01	0.093	0.0065	0.0065	0.64	0.62	0.0481	12.1	<0.0005	<0.05	0.0091
MC+600	18-Aug-2021	<1	<1			73		0.501	0.474	0.027						0.0625	30.3	<0.0005	<0.05	0.0119
MC+600	15-Sep-2021	<1	<1	1.9	0.12	87.4		0.512	0.495	0.017	0.297	0.0059		1.03	1.02	0.0813	32.1	<0.0005	<0.05	0.019
MC+600	13-Oct-2021	<1	<1	1.28	<0.1	53.7										0.115	17.8	<0.0005	<0.05	0.0094
MC+600	15-Nov-2021	<1	<1	1.46	<0.1	27.2		0.0879	0.088	<0.01		0.0071		1.69	1.37	0.143	10.4	<0.0005	<0.05	0.0096
MC+700	18-Aug-2021	<1	<1			67.8		0.406	0.385	0.021						0.0381	26.1	<0.0005	<0.05	0.0211
MC+800	18-Aug-2021	<1	<1			69.9		0.418	0.396	0.022						0.0447	24	<0.0005	<0.05	0.0128
MC+800 SEEP	18-Aug-2021	<1	<1			39.4		0.111	0.111	<0.01						<0.005	14	<0.0005	<0.05	0.0135
MC+850 S	18-May-2021	<1	<1			6.2		0.029	0.029	<0.01						0.0546	<3	<0.0005	<0.05	<0.005
MC+900	18-Aug-2021	<1	<1			83.6		0.553	0.522	0.031						0.0627	32.1	<0.0005	<0.05	0.0125
MC+950 SEEP	18-May-2021	<1	<1			6.5										0.0557	5.3	<0.0005	<0.05	<0.005
MC-500	18-Aug-2021	<1	<1			1.3		0.0245	0.024	<0.01						0.0352	<3	<0.0005	<0.05	0.006
MC-EFF (A) DC	7-Sep-2021															0.0514	142	0.00125	0.0836	0.04
MC-EFF (A) DC	8-Sep-2021															0.0428	137	0.0012	0.0785	0.0369
MC-EFF (A) DC	9-Sep-2021															0.191	133	0.00088	0.0714	0.0255
MC-EFF (A) DC	10-Sep-2021															0.0637	131	0.00086	0.068	0.0362
MC-EFF (A) DC	11-Sep-2021															0.0876	132	0.00087	0.0674	0.0298
MC-EFF (A) DC	12-Sep-2021															0.0971	130	0.00091	0.0708	0.038
MC-EFF (A) DC	13-Sep-2021															0.116	135	0.00087	0.0728	0.0363
MC-EFF (A) DC	14-Sep-2021															0.0245	26.6	<0.0005	<0.05	0.0353
MC-EFF (A) DC	15-Sep-2021															0.0292	27	<0.0005	<0.05	0.0336
MC-EFF (A) DC	16-Sep-2021															0.0264	31.1	<0.0005	<0.05	0.035
MC-EFF (A) DC	17-Sep-2021															0.0333	21.7	<0.0005	<0.05	0.0314
MC-EFF (A) DC	18-Sep-2021															0.0227	21.9	<0.0005	<0.05	0.0305
MC-EFF (A) DC	19-Sep-2021															0.0303	25.6	<0.0005	<0.05	0.0356
MC-EFF (A) DC	20-Sep-2021															0.0154	24.7	<0.0005	<0.05	0.0362
MC-EFF (A) DC	21-Sep-2021															0.134	178	<0.0005	0.0952	0.026
MC-EFF (A) DC	22-Sep-2021															0.175	180	0.00054	0.105	0.0266

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MC- TP4 DC	18-Dec-2021	<0.00001	<0.00001	0.000308	27.8	0.00014	0.0000521	0.00235	0.0253	<0.01	0.000204	2.12	0.00871	0.000944	0.000233	0.000228	0.595	0.00026	<0.00005	1.92	<0.00001	1.86	0.0585
MC- TP4 DC	19-Dec-2021	<0.00001	<0.00001	0.000287	27.5	0.0003	0.0000482	0.00247	0.0375	<0.01	0.000199	1.96	0.00748	0.000867	0.000458	0.000319	0.532	0.00024	<0.00005	1.87	<0.00001	1.72	0.0561
MC- TP4 DC	21-Dec-2021	<0.00001	<0.00001	0.000242	29.4	0.00018	0.0000685	0.00151	0.0337	<0.01	0.000221	2.14	0.0118	0.000795	0.000442	0.000156	0.48	0.00019	<0.00005	1.95	<0.00001	1.83	0.0597
MC- TP4 DC	22-Dec-2021	<0.00001	<0.00001	0.000213	22.9	0.00017	0.0000413	0.00534	0.0311	<0.01	0.00013	1.66	0.00993	0.000549	0.000233	0.000352	0.339	0.00012	<0.00005	1.73	<0.00001	1.27	0.0439
MC- TP4 DC	23-Dec-2021	<0.00001	<0.00001	0.000267	25.2	0.00017	0.0000424	0.00345	0.0125	<0.01	0.000192	1.84	0.00775	0.000755	0.000228	0.000142	0.503	0.00016	<0.00005	1.75	<0.00001	1.67	0.0502
MC- TP4 DC	24-Dec-2021	<0.00001	<0.00001	0.000242	24.6	0.00027	0.0000464	0.00402	0.0176	<0.01	0.000169	1.85	0.00896	0.000728	0.000228	0.000204	0.432	0.00017	<0.00005	1.85	<0.00001	1.55	0.0477
MC- TP4 DC	25-Dec-2021	<0.00001	<0.00001	0.000253	26	0.00017	0.0000555	0.00278	0.0184	<0.01	0.000178	2.05	0.0148	0.000613	0.000244	0.000131	0.398	0.00014	<0.00005	1.87	<0.00001	1.58	0.0518
MC- TP4 DC	26-Dec-2021	<0.00001	<0.00001	0.000257	26.9	0.00013	0.0000459	0.00374	0.0127	<0.01	0.000196	2.16	0.0083	0.000557	0.00023	0.000165	0.397	0.00014	<0.00005	1.84	<0.00001	1.59	0.0554
MC- TP4 DC	27-Dec-2021	<0.00001	<0.00001	0.00027	24.9	0.00016	0.0000851	0.00617	0.0121	<0.01	0.000427	2.27	0.022	0.000449	0.000491	0.00014	0.449	0.00011	<0.00005	1.71	<0.00001	1.91	0.0663
MC+0	18-Aug-2021	<0.0001	<0.0001	<0.00001	4.81	<0.0005	<0.0001	<0.0004	<0.01	<0.05	0.00059	0.232	0.00069	0.00043	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1	<0.00005	0.79	0.0091
MC+100	18-Aug-2021	<0.0001	<0.0001	0.000019	4.97	<0.0005	<0.0001	0.00077	<0.01	<0.05	0.00067	0.243	0.00107	0.00583	<0.0004	0.0003	0.21	<0.0005	<0.0002	1	<0.00005	0.95	0.0091
MC+1000	18-Aug-2021	<0.0001	<0.0001	0.000169	31.1	<0.0005	<0.0001	0.00479	<0.01	<0.05	0.00144	2.93	0.0167	0.00397	<0.0004	0.00024	2.86	0.00192	<0.0002	1.7	<0.00005	6.36	0.104
MC+1100	18-Aug-2021	<0.0001	<0.0001	0.000168	30.1	<0.0005	<0.0001	0.00497	<0.01	<0.05	0.00131	2.89	0.0165	0.00405	<0.0004	0.00025	2.85	0.00162	<0.0002	1.6	<0.00005	6.3	0.103
MC+1200	18-Aug-2021	<0.0001	<0.0001	0.000317	30.4	<0.0005	0.00016	0.00927	<0.01	<0.05	0.00132	2.95	0.0361	0.00406	0.0005	0.00046	2.9	0.00205	<0.0002	1.8	0.00005	6.25	0.0996
MC+1300	18-Aug-2021	<0.0001	<0.0001	0.00156	34.2	<0.0005	0.00016	0.0103	0.01	<0.05	0.00132	4.64	0.0544	0.00368	0.00197	0.00029	2.7	0.00156	<0.0002	2.1	<0.00005	6.09	0.106
MC+200	18-Aug-2021	<0.0001	<0.0001	0.00003	5	<0.0005	<0.0001	0.00046	<0.01	<0.05	0.00058	0.306	0.00112	0.00052	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.1	<0.00005	0.83	0.0102
MC+300	18-Aug-2021	<0.0001	<0.0001	0.000021	5	<0.0005	<0.0001	0.00042	<0.01	<0.05	0.00059	0.29	0.00085	0.00048	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	<1	<0.00005	0.78	0.0099
MC+400	18-Aug-2021	<0.0001	<0.0001	0.000028	5.09	<0.0005	<0.0001	0.00063	<0.01	<0.05	0.00058	0.304	0.00101	0.00052	<0.0004	<0.0002	0.12	<0.0005	<0.0002	1.2	<0.00005	0.89	0.0102
MC+500	18-Aug-2021	<0.0001	<0.0001	0.000052	16.3	<0.0005	<0.0001	0.00177	<0.01	<0.05	0.00093	1.52	0.00795	0.00211	<0.0004	<0.0002	1.34	0.00065	<0.0002	1.4	<0.00005	3.39	0.0538
MC+600	10-Feb-2021	<0.0001	<0.0001	0.000423	36.8	<0.0005	0.00013	0.0135	0.04	<0.05	0.00084	3.95	0.0222	0.00187	<0.0004	0.00126	1.02	<0.0005	<0.0002	2.1	<0.00005	2.85	0.129
MC+600	14-Apr-2021	<0.0001	<0.0001	0.000197	21.8	<0.0005	<0.0001	0.00636	0.013	<0.05	0.0005	2.13	0.0106	0.00168	<0.0004	0.0006	1.32	<0.0005	<0.0002	1.6	<0.00005	2.5	0.0706
MC+600	8-Jul-2021	<0.0001	<0.0001	0.000181	13.6	<0.0005	<0.0001	0.00301	0.019	<0.05	0.00055	1.44	0.0173	0.0013	0.00079	0.00058	0.94	0.00259	<0.0002	1.2	<0.00005	2.11	0.0523
MC+600	18-Aug-2021	<0.0001	<0.0001	0.000112	28	<0.0005	<0.0001	0.0038	0.012	<0.05	0.00132	2.76	0.0149	0.00388	<0.0004	0.00037	2.82	0.00143	<0.0002	1.5	<0.00005	6.16	0.0978
MC+600	15-Sep-2021	<0.0001	<0.0001	0.000399	32.7	<0.0005	<0.0001	0.00935	0.04	<0.05	0.00107	2.64	0.0168	0.00327	0.00359	0.00259	2.13	0.00209	<0.0002	1.6	<0.00005	5.57	0.103
MC+600	13-Oct-2021	<0.0001	<0.0001	0.000133	20.5	<0.0005	<0.0001	0.0041	0.028	<0.05	0.00034	1.39	0.00826	0.00046	<0.0004	0.00074	0.93	<0.0005	<0.0002	1.5	<0.00005	2.64	0.0658
MC+600	15-Nov-2021	<0.0001	<0.0001	0.000238	14.9	<0.0005	<0.0001	0.00612	0.036	<0.05	0.00031	1.04	0.0113	0.00044	<0.0004	0.00098	0.39	<0.0005	<0.0002	1.2	<0.00005	1.47	0.0336
MC+700	18-Aug-2021	<0.0001	<0.0001	0.000556	30.2	<0.0005	<0.0001	0.0063	0.011	<0.05	0.00113	3.04	0.012	0.00281	<0.0004	0.00062	2.75	0.00165	<0.0002	2.3	<0.00005	5.58	0.0931
MC+800	18-Aug-2021	<0.0001	<0.0001	0.000183	29.3	<0.0005	<0.0001	0.00354	<0.01	<0.05	0.00112	2.87	0.0113	0.00794	<0.0004	<0.0002	2.12	0.00168	<0.0002	2	<0.00005	5.03	0.0885
MC+800 SEEP	18-Aug-2021	<0.0001	<0.0001	0.000269	26.7	<0.0005	<0.0001	0.001	<0.01	<0.05	0.00056	2.72	<0.0002	0.00067	<0.0004	<0.0002	0.4	<0.0005	<0.0002	2.3	<0.00005	1.97	0.0568
MC+850 S	18-May-2021	<0.0001	<0.0001	0.000043	6.05	<0.0005	<0.0001	0.00067	<0.01	<0.05	0.0002	0.401	0.00139	0.00049	<0.0004	<0.0002	0.18	<0.0005	<0.0002	<1	<0.00005	0.91	0.0135
MC+900	18-Aug-2021	<0.0001	<0.0001	0.000174	31.1	<0.0005	<0.0001	0.00498	0.011	<0.05	0.00143	3.1	0.0173	0.00431	0.00051	0.00025	3.04	0.00191	<0.0002	1.7	<0.00005	6.68	0.109
MC+950 SEEP	18-May-2021	<0.0001	<0.0001	0.00004	5.99	<0.0005	<0.0001	0.00058	<0.01	<0.05	0.00015	0.397	0.00157	0.00036	<0.0004	<0.0002	0.2	<0.0005	<0.0002	1	<0.00005	0.92	0.0133
MC-500	18-Aug-2021	<0.0001	<0.0001	<0.00001	4.5	<0.0005	<0.0001	<0.0004	<0.01	<0.05	0.00065	0.216	0.00073	0.00492	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1	<0.00005	0.81	0.0091
MC-EFF (A) DC	7-Sep-2021	<0.0001	<0.0001	0.00011	130	0.00082	0.00018	0.00535	<0.01	<0.05	0.00529	10.6	0.0196	0.0175	0.00067	0.00038	13.4	0.00558	<0.0002	3.3	<0.00005	25.4	0.437
MC-EFF (A) DC	8-Sep-2021	<0.0001	<0.0001	0.000176	126	<0.0005	0.00026	0.00476	<0.01	<0.05	0.00476	10.8	0.0186	0.0156	0.00043	0.00029	11.7	0.0043	<0.0002	3.4	<0.00005	23.8	0.426
MC-EFF (A) DC	9-Sep-2021	<0.0001	<0.0001	0.000149	120	<0.0005	0.00011	0.00461	<0.01	<0.05	0.00463	11.4	0.0182	0.0122	0.00135	0.00045	9.24	0.00335	<0.0002	3.4	<0.00005	21.3	0.435
MC-EFF (A) DC	10-Sep-2021	<0.0001	<0.0001	0.00024	124	<0.0005	0.00016	0.00471	0.015	<0.05	0.00449	11.7	0.0277	0.0116	0.00077	0.00048	8.52	0.00316	<0.0002	3.4	<0.00005	20.8	0.448
MC-EFF (A) DC	11-Sep-2021	<0.0001	<0.0001	0.000348	124	<0.0005	0.00023	0.00677	0.016	<0.05	0.00422	10.9	0.0408	0.0139	0.00077	0.00049	9.22	0.00379	<0.0002	3.4	<0.00005	20.9	0.431
MC-EFF (A) DC	12-Sep-2021	<0.0001	<0.0001	0.000291	129	<0.0005	0.0002	0.0079	0.013	<0.05	0.00416	9.98	0.0346	0.0154	0.00093	0.00038	10.3	0.00531	<0.0002	3.4	0.000065	22.9	0.434
MC-EFF (A) DC	13-Sep-2021	<0.0001	<0.0001	0.000148	133	<0.0005	0.00018	0.00864	0.016	<0.05	0.00429	9.79	0.0238	0.0162	0.001	0.00037	10.5	0.00575	<0.0002	3.5	0.000117	23.8	0.443
MC-EFF (A) DC	14-Sep-2021	<0.0001	<0.0001	0.00052	33.9	<0.0005	<0.0001	0.00312	0.021	<0.05	0.00021	3.25	0.0114	0.0014	<0.0004	<0.0002	1.18	<0.0005	<0.0002	2.1	<0.00005	3.5	0.0738
MC-EFF (A) DC	15-Sep-2021	<0.0001	<0.0001	0.000431	33.6	<0.0005	0.00011	0.00209	<0.01	<0.05	0.00026	3.34	0.0199	0.00137	<0.0004	<0.0002	1.19	0.00053	<0.0002	2.2	<0.00005	3.73	0.0772
MC-EFF (A) DC	16-Sep-2021	<0.0001	<0.0001	0.000579	38.1	<0.0005	<0.0001	0.00198	<0.01	<0.05	0.00032	3.8	0.0133	0.00136	<0.0004	<0.0002	1.26	<0.0005	<0.0002	2.3	<0.00005	4.01	0.0878
MC-EFF (A) DC	17-Sep-2021	<0.0001	<0.0001	0.00039	27.4	<0.0005	<0.0001	0.00571	0.012	<0.05	0.00015	2.85	0.00519	0.00094	<0.0004	0.00038	0.84	<0.0005	<0.0002	1.7	<0.00005	2.8	0.0608
MC-EFF (A) DC	18-Sep-2021	<0.0001	<0.0001	0.000337	29.3	<0.0005	<0.0001	0.00226	<0.01	<0.05	<0.0001	2.89	0.0189	0.00064	<0.0004	<0.0002	0.63	<0.0005	<0.0002	1.9	<0.00005	2.22	0.0559
MC-EFF (A) DC	19-Sep-2021	<0.0001	<0.0001	0.000374	34.6	<0.0005	<0.0001	0.00176	0.013	<0.05	0.00012	3.17	0.00877	0.0006	<0.0004	<0.0002	0.69	<0.0005	<0.0002	2.2	<0.00005	2.62	0.0661
MC-EFF (A) DC	20-Sep-2021	<0.0001	<0.0001	0.000377	33.1	<0.0005	<0.0001	0.00158	<0.01	<0.05	<0.0001	2.96	0.011	0.00053	<0.0004	<0.0002	0.7	<0.0005	<0.0002	2.1	<0.00005	2.48	0.0652
MC-EFF (A) DC	21-Sep-2021	<0.0001	<0.0001	0.000473	169	<0.0005	0.0003	0.00904	0.019	<0.05	0.00427	8.35	0.0597	0.00825	0.00082	0.00068	9.3	0.00163	<0.0002	1.9	<0.00005	21.9	0.484
MC-EFF (A) DC	22-Sep-2021	<0.0001	<0.0001	0.000481	170	<0.0005	0.00031	0.00838	0.014	<0.05	0.00456	11.2	0.0604	0.00809	0.0029	0.00035	11	0.00184	<0.0002	2.5	<0.00005	24.4	0.532

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MC- TP4 DC	18-Dec-2021	<0.00005	<0.000004	<0.00001	0.00031	<0.0002	0.0000165	<0.0002	0.108	<0.00002		0.0141	15	0.00005	0.0049	<0.00001	<0.00001	0.0179	0.000278	23.7	<0.0001	0.0000404	0.00167	0.005
MC- TP4 DC	19-Dec-2021	<0.00005	<0.000004	<0.00001	0.00037	<0.0002	0.0000161	<0.0002	0.107	<0.00002		0.0153	14.8	0.000068	0.0049	<0.00001	<0.00001	0.0181	0.000283	23.8	<0.0001	0.0000444	0.00223	0.0211
MC- TP4 DC	21-Dec-2021	<0.00005	<0.000004	<0.00001	0.0006	<0.0002	0.0000156	0.00022	0.099	<0.00002		0.0118	14.7	<0.00005	0.0042	<0.00001	<0.00001	0.0175	0.000211	25.5	0.00012	0.0000507	0.00124	0.0025
MC- TP4 DC	22-Dec-2021	<0.00005	<0.000004	<0.00001	0.0005	<0.0002	0.000018	<0.0002	0.085	0.000122		0.0197	10.3	<0.00005	0.0029	<0.00001	<0.00001	0.0219	0.000196	21	0.00014	0.0000299	0.00392	0.0044
MC- TP4 DC	23-Dec-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000156	<0.0002	0.0891	<0.00002		0.0243	13.1	<0.00005	0.0037	<0.00001	<0.00001	0.0185	0.000246	22.8	<0.0001	0.0000414	0.00296	0.0083
MC- TP4 DC	24-Dec-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000153	<0.0002	0.0911	<0.00002		0.0187	12.2	<0.00005	0.0035	<0.00001	<0.00001	0.0165	0.000225	22.2	<0.0001	0.0000382	0.00335	0.005
MC- TP4 DC	25-Dec-2021	<0.00005	<0.000004	<0.00001	0.00037	<0.0002	0.0000139	<0.0002	0.0865	<0.00002		0.0113	13.4	<0.00005	0.0033	<0.00001	<0.00001	0.0171	0.000207	23.6	0.0001	0.0000486	0.00207	<0.002
MC- TP4 DC	26-Dec-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000149	<0.0002	0.098	<0.00002		0.0161	14.8	<0.00005	0.0034	<0.00001	<0.00001	0.0196	0.00023	25.3	<0.0001	0.000039	0.00278	0.0034
MC- TP4 DC	27-Dec-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000027	<0.0002	0.118	<0.00002		0.033	15.3	<0.00005	0.0046	<0.00001	<0.00001	0.00868	0.000265	23.2	<0.0001	0.0000747	0.0045	<0.002
MC+0	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0012	0.0065	<0.0001		0.0243	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0051	0.000015	4.81	<0.0005	0.00025	<0.0004	<0.01
MC+100	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0013	0.0123	<0.0001		0.0227	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0056	0.000021	4.9	<0.0005	<0.0001	0.00045	0.02
MC+1000	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	<0.001	0.0532	<0.0001		0.0572	34.6	<0.0005	<0.05	<0.0001	<0.0001	0.0182	0.000159	31.2	<0.0005	<0.0001	0.00474	<0.01
MC+1100	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0526	<0.0001		0.0568	35.4	<0.0005	<0.05	<0.0001	<0.0001	0.0126	0.00016	30.9	<0.0005	<0.0001	0.00478	<0.01
MC+1200	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002	<0.001	0.116	<0.0001		0.0619	32	<0.0005	<0.05	<0.0001	<0.0001	0.0111	0.000301	31	<0.0005	0.00015	0.00855	<0.01
MC+1300	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	<0.001	0.893	<0.0001		0.0555	39.1	<0.0005	<0.05	<0.0001	<0.0001	0.0152	0.00139	34.7	<0.0005	0.00015	0.0106	<0.01
MC+200	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0013	0.0162	<0.0001		0.0266	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000027	5.16	<0.0005	<0.0001	0.00045	<0.01
MC+300	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0016	0.012	<0.0001		0.0248	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0087	0.000021	5.34	<0.0005	<0.0001	<0.0004	<0.01
MC+400	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0013	0.0131	<0.0001		0.0235	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0053	0.000027	5.36	<0.0005	<0.0001	<0.0004	<0.01
MC+500	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0181	<0.0001		0.038	14.8	<0.0005	<0.05	<0.0001	<0.0001	0.008	0.000076	16.4	<0.0005	<0.0001	0.00145	<0.01
MC+600	10-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026	<0.001	0.134	<0.0001	<0.00004	0.0697	30.3	<0.0005	<0.05	<0.0001	<0.0001	0.0106	0.000318	37.3	<0.0005	<0.0001	0.00724	<0.01
MC+600	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000038	<0.001	0.0713	<0.0001	<0.00001	0.0522	16.2	<0.0005	<0.05	<0.0001	<0.0001	0.0089	0.00019	21.2	<0.0005	<0.0001	0.00574	<0.01
MC+600	8-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024	<0.001	0.0489	<0.0001	<0.00001	0.0409	12.6	<0.0005	<0.05	<0.0001	<0.0001	0.0068	0.000138	14.5	<0.0005	<0.0001	0.00176	<0.01
MC+600	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	<0.001	0.0347	<0.0001		0.0537	31.4	<0.0005	<0.05	<0.0001	<0.0001	0.0105	0.000087	29	<0.0005	<0.0001	0.00298	<0.01
MC+600	15-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	<0.001	0.0837	<0.0001	<0.00001	0.0558	28.4	<0.0005	<0.05	<0.0001	<0.0001	0.0099	0.000277	29.2	<0.0005	<0.0001	0.0063	<0.01
MC+600	13-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000027	<0.001	0.0423	<0.0001		0.0861	20.7	<0.0005	<0.05	<0.0001	<0.0001	0.0084	0.000102	22.6	<0.0005	<0.0001	0.00253	<0.01
MC+600	15-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024	<0.001	0.0708	<0.0001	<0.00001	0.0933	9.9	<0.0005	<0.05	<0.0001	<0.0001	0.006	0.000204	13.1	<0.0005	<0.0001	0.00176	<0.01
MC+700	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.195	<0.0001		0.0476	31.2	<0.0005	<0.05	<0.0001	<0.0001	0.0162	0.000287	31.8	<0.0005	<0.0001	0.00432	<0.01
MC+800	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0914	<0.0001		0.0456	28.8	<0.0005	<0.05	<0.0001	<0.0001	0.012	0.000209	29.8	<0.0005	<0.0001	0.0035	<0.01
MC+800 SEEP	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.182	<0.0001		<0.005	13.8	<0.0005	<0.05	<0.0001	<0.0001	0.0107	0.000261	25.3	<0.0005	<0.0001	0.00096	<0.01
MC+850 S	18-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	0.0013	0.0152	<0.0001														
MC+900	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	<0.001	0.0573	<0.0001		0.0604	34.5	<0.0005	<0.05	<0.0001	<0.0001	0.0129	0.000163	32.6	<0.0005	<0.0001	0.00487	<0.01
MC+950 SEEP	18-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025	<0.001	0.0147	<0.0001														
MC-500	18-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0016	<0.004	<0.0001		0.0318	3.2	<0.0005	<0.05	<0.0001	<0.0001	0.0087	0.000088	4.53	<0.0005	<0.0001	0.00067	<0.01
MC-EFF (A) DC	7-Sep-2021	<0.0005	0.000038	<0.0001	<0.005	0.001	0.000022	<0.001	0.036	<0.0001		0.0306	146	0.00121	0.0779	<0.0001	<0.0001	0.0367	0.000135	137	0.00053	0.00012	0.00505	<0.01
MC-EFF (A) DC	8-Sep-2021	<0.0005	0.000039	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0337	<0.0001		0.0279	136	0.00113	0.0725	<0.0001	<0.0001	0.0347	0.000173	132	<0.0005	0.00011	0.0044	<0.01
MC-EFF (A) DC	9-Sep-2021	<0.0005	0.00004	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0343	<0.0001		0.0473	124	0.00083	0.0652	<0.0001	<0.0001	0.024	0.000117	126	<0.0005	<0.0001	0.00418	<0.01
MC-EFF (A) DC	10-Sep-2021	<0.0005	0.000046	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0533	<0.0001		0.0407	131	0.00075	0.0638	<0.0001	<0.0001	0.0338	0.000148	132	<0.0005	0.00014	0.00333	<0.01
MC-EFF (A) DC	11-Sep-2021	<0.0005	0.000045	<0.0001	<0.005	0.0011	0.000024	<0.001	0.0851	<0.0001		0.0703	128	0.00089	0.0626	<0.0001	<0.0001	0.0304	0.000323	131	<0.0005	0.00023	0.00729	0.02
MC-EFF (A) DC	12-Sep-2021	<0.0005	0.00005	<0.0001	<0.005	0.0012	0.000023	<0.001	0.0665	<0.0001		0.0741	137	0.00092	0.0681	<0.0001	<0.0001	0.0378	0.00027	139	<0.0005	0.0002	0.00674	<0.01
MC-EFF (A) DC	13-Sep-2021	<0.0005	0.000046	<0.0001	<0.005	0.0013	0.000025	<0.001	0.0466	<0.0001		0.0944	136	0.00091	0.0686	<0.0001	<0.0001	0.0337	0.00017	138	<0.0005	0.00015	0.00626	0.016
MC-EFF (A) DC	14-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.193	<0.0001		0.0156	24.4	<0.0005	<0.05	<0.0001	<0.0001	0.0298	0.000469	30.1	<0.0005	<0.0001	0.00309	<0.01
MC-EFF (A) DC	15-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.176	<0.0001		0.0237	25.1	<0.0005	<0.05	<0.0001	<0.0001	0.0294	0.000419	31.1	<0.0005	<0.0001	0.0019	<0.01
MC-EFF (A) DC	16-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.212	<0.0001		0.0204	25.8	<0.0005	<0.05	<0.0001	<0.0001	0.029	0.000521	34.4	<0.0005	<0.0001	0.00184	<0.01
MC-EFF (A) DC	17-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.136	<0.0001		0.0277	19.3	<0.0005	<0.05	<0.0001	<0.0001	0.0252	0.000338	25.4	<0.0005	<0.0001	0.00502	<0.01
MC-EFF (A) DC	18-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.116	<0.0001		0.0145	18.7	<0.0005	<0.05	<0.0001	<0.0001	0.0257	0.000293	25.5	<0.0005	<0.0001	0.00195	<0.01
MC-EFF (A) DC	19-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.149	<0.0001		0.0148	24.2	<0.0005	<0.05	<0.0001	<0.0001	0.0327	0.000349	32	<0.0005	<0.0001	0.00135	<0.01
MC-EFF (A) DC	20-Sep-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.125	<0.0001		0.0131	26.3	<0.0005	<0.05	<0.0001	<0.0001	0.0368	0.000417	35.9	<0.0005	<0.0001	0.00217	<0.01
MC-EFF (A) DC	21-Sep-2021	<0.0005	0.000035	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.114	<0.0001		0.024	154	<0.0005	0.0524	<0.0001	<0.0001	0.0202	0.000427	155	0.00069	0.00026	0.00831	<0.01
MC-EFF (A) DC	22-Sep-2021	<0.0005	0.000043	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.116	<0.0001		0.0218	146	<0.0005	0.0554	<0.0001	<0.0001	0.0212	0.000447	141	<0.0005	0.0003	0.00626	<0.01

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MC- TP4 DC	18-Dec-2021	<0.01	0.000219	2.05	0.0071	0.00088	0.000191	0.000067	0.571	0.000507	0.00022	1.74	0.0511	<0.00005	<0.00001	1.8	0.000463	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000141
MC- TP4 DC	19-Dec-2021	<0.01	0.000211	1.95	0.00663	0.000838	0.000243	0.000211	0.528	0.00043	0.00022	1.81	0.0505	<0.00005	<0.00001	1.74	0.000407	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000146
MC- TP4 DC	21-Dec-2021	<0.01	0.000155	1.96	0.00989	0.000734	0.000297	<0.00005	0.462	0.000344	0.00017	1.82	0.0534	<0.00005	<0.00001	1.71	0.000287	<0.00005	<0.000004	<0.00001	0.00024	<0.0002	0.0000127
MC- TP4 DC	22-Dec-2021	<0.01	0.000088	1.52	0.00752	0.000516	0.000213	0.000089	0.316	0.000229	0.00013	1.59	0.0394	<0.00005	<0.00001	1.22	0.000204	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000014
MC- TP4 DC	23-Dec-2021	<0.01	0.000139	1.74	0.00792	0.00072	0.000225	0.000088	0.485	0.000473	0.00014	1.68	0.0464	<0.00005	<0.00001	1.58	0.000427	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000137
MC- TP4 DC	24-Dec-2021	<0.01	0.000114	1.72	0.00817	0.000633	0.000225	0.000077	0.401	0.000395	0.00014	1.72	0.0437	<0.00005	<0.00001	1.45	0.000334	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000135
MC- TP4 DC	25-Dec-2021	<0.01	0.000126	1.9	0.0129	0.000547	0.000251	<0.00005	0.372	0.000273	0.00014	1.76	0.0473	<0.00005	<0.00001	1.46	0.000272	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000124
MC- TP4 DC	26-Dec-2021	<0.01	0.000152	2.06	0.00744	0.000522	0.000217	0.00007	0.381	0.000224	0.00013	1.73	0.0517	<0.00005	<0.00001	1.52	0.000234	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000146
MC- TP4 DC	27-Dec-2021	<0.01	0.000363	2.1	0.0186	0.000391	0.000267	0.000063	0.43	0.000143	0.00011	1.56	0.0607	<0.00005	<0.00001	1.8	0.000128	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000024
MC+0	18-Aug-2021	<0.05	0.00049	0.233	0.00076	0.00038	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.2	0.0089	<0.0002	<0.00005	0.77	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC+100	18-Aug-2021	<0.05	0.00048	0.25	0.00064	0.00039	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.2	0.0094	<0.0002	<0.00005	0.8	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC+1000	18-Aug-2021	<0.05	0.00138	3.14	0.016	0.0043	<0.0004	<0.0002	3.04	0.00286	0.00174	1.8	0.113	<0.0002	0.000057	6.72	0.00318	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024
MC+1100	18-Aug-2021	<0.05	0.00137	3.11	0.0159	0.00427	<0.0004	<0.0002	3.01	0.00296	0.00171	2	0.108	<0.0002	0.000053	6.67	0.00298	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC+1200	18-Aug-2021	<0.05	0.00132	3.06	0.035	0.00393	<0.0004	<0.0002	2.83	0.00298	0.00168	1.8	0.103	<0.0002	<0.00005	6.26	0.00288	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021
MC+1300	18-Aug-2021	<0.05	0.00135	4.59	0.0541	0.00368	0.0017	<0.0002	2.75	0.0026	0.00184	2.2	0.107	<0.0002	<0.00005	6.27	0.00266	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC+200	18-Aug-2021	<0.05	0.0005	0.294	0.00102	0.00041	<0.0004	<0.0002	<0.1	0.0002	<0.0005	<1	0.0094	<0.0002	<0.00005	0.77	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC+300	18-Aug-2021	<0.05	0.00048	0.303	0.00076	0.00045	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.2	0.01	<0.0002	<0.00005	0.8	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC+400	18-Aug-2021	<0.05	0.00052	0.315	0.00104	0.00044	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.2	0.0107	<0.0002	<0.00005	0.81	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC+500	18-Aug-2021	<0.05	0.00083	1.54	0.00622	0.00204	<0.0004	<0.0002	1.32	0.0015	0.00093	1.1	0.0542	<0.0002	<0.00005	3.41	0.00132	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC+600	10-Feb-2021	<0.05	0.00088	3.76	0.0108	0.00137	<0.0004	<0.0002	0.98	0.00052	<0.0005	1.8	0.126	<0.0002	<0.00005	2.71	0.00042	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000027
MC+600	14-Apr-2021	<0.05	0.00055	1.84	0.00794	0.00172	<0.0004	<0.0002	1.15	0.00104	<0.0005	1.8	0.0691	<0.0002	<0.00005	2.15	0.00094	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000032
MC+600	8-Jul-2021	<0.05	0.00039	1.37	0.0159	0.00149	<0.0004	<0.0002	0.82	0.00115	0.00147	1	0.0519	<0.0002	<0.00005	1.94	0.00127	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC+600	18-Aug-2021	<0.05	0.00135	2.83	0.0118	0.00374	<0.0004	<0.0002	2.76	0.00282	0.00163	1.8	0.0994	<0.0002	<0.00005	6.17	0.00283	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002
MC+600	15-Sep-2021	<0.05	0.00084	2.48	0.0112	0.00297	<0.0004	0.00033	1.93	0.00165	0.00074	1.3	0.0977	<0.0002	<0.00005	5.14	0.00145	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC+600	13-Oct-2021	<0.05	0.00028	1.31	0.00448	0.00053	<0.0004	<0.0002	0.94	0.0003	<0.0005	1.6	0.0624	<0.0002	<0.00005	2.59	0.00032	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000027
MC+600	15-Nov-2021	<0.05	0.0003	1.24	0.00784	0.00038	<0.0004	<0.0002	0.4	0.00023	<0.0005	1	0.0302	<0.0002	<0.00005	1.48	0.00021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC+700	18-Aug-2021	<0.05	0.00132	3.07	0.0124	0.00365	<0.0004	<0.0002	2.7	0.00224	0.00187	1.7	0.102	<0.0002	<0.00005	6.08	0.00268	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC+800	18-Aug-2021	<0.05	0.00111	2.98	0.0106	0.00315	<0.0004	0.00045	2.17	0.00219	0.00175	1.8	0.093	<0.0002	<0.00005	5.2	0.0021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC+800 SEEP	18-Aug-2021	<0.05	0.00051	2.7	<0.0002	0.00067	<0.0004	<0.0002	0.38	<0.0002	0.00056	2.3	0.055	<0.0002	<0.00005	1.94	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC+850 S	18-May-2021									<0.0002													
MC+900	18-Aug-2021	<0.05	0.00138	3.24	0.0156	0.0043	<0.0004	0.00023	3.05	0.00311	0.00174	1.9	0.114	<0.0002	<0.00005	6.9	0.00317	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022
MC+950 SEEP	18-May-2021									0.0002													
MC-500	18-Aug-2021	<0.05	0.0005	0.229	0.00104	0.00044	0.00042	0.00075	<0.1	<0.0002	<0.0005	<1	0.0091	<0.0002	<0.00005	0.87	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF (A) DC	7-Sep-2021	<0.05	0.00478	10.5	0.0196	0.0168	0.00064	0.00044	13.4	0.0218	0.00487	3.4	0.444	<0.0002	<0.00005	26.6	0.0213	<0.0005	0.000039	<0.0001	<0.005	0.001	<0.00002
MC-EFF (A) DC	8-Sep-2021	<0.05	0.00433	10.9	0.0178	0.015	0.00054	0.00039	11.9	0.0187	0.00356	3.3	0.428	<0.0002	<0.00005	24.5	0.0182	<0.0005	0.000039	<0.0001	<0.005	<0.001	<0.00002
MC-EFF (A) DC	9-Sep-2021	<0.05	0.00424	11.6	0.0165	0.0117	0.0004	0.0003	9.15	0.013	0.00278	3.2	0.427	<0.0002	<0.00005	21.5	0.0129	<0.0005	0.000034	<0.0001	<0.005	<0.001	<0.00002
MC-EFF (A) DC	10-Sep-2021	<0.05	0.00415	12.1	0.0241	0.011	0.00051	0.00029	8.72	0.00942	0.00245	3.4	0.454	<0.0002	<0.00005	21.8	0.00932	<0.0005	0.000044	<0.0001	<0.005	<0.001	<0.00002
MC-EFF (A) DC	11-Sep-2021	<0.05	0.00387	11.3	0.0335	0.0132	0.00185	0.00057	9.58	0.01	0.00317	3.2	0.438	0.00059	<0.00005	22.3	0.00953	<0.0005	0.000048	<0.0001	<0.005	0.0011	0.000022
MC-EFF (A) DC	12-Sep-2021	<0.05	0.00396	10.5	0.0295	0.0159	0.00076	0.00024	11.1	0.0101	0.00422	3.4	0.452	<0.0002	0.000054	24.5	0.0102	<0.0005	0.000048	<0.0001	<0.005	0.0014	0.000023
MC-EFF (A) DC	13-Sep-2021	<0.05	0.00394	9.76	0.0189	0.0152	0.00119	0.00025	10.8	0.00906	0.00426	3	0.439	<0.0002	0.000098	24.6	0.00923	<0.0005	0.000043	<0.0001	<0.005	0.0014	0.000025
MC-EFF (A) DC	14-Sep-2021	<0.05	0.0003	2.73	0.01	0.00122	0.00085	<0.0002	0.96	0.00082	<0.0005	1.9	0.0709	<0.0002	<0.00005	3.12	0.00067	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF (A) DC	15-Sep-2021	<0.05	0.00033	2.87	0.0184	0.0013	0.00044	<0.0002	0.97	0.00075	<0.0005	1.8	0.0747	<0.0002	<0.00005	3.19	0.0007	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF (A) DC	16-Sep-2021	<0.05	0.00037	3.2	0.012	0.00111	0.00065	<0.0002	1	0.00087	<0.0005	1.9	0.0827	<0.0002	<0.00005	3.39	0.00074	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF (A) DC	17-Sep-2021	<0.05	0.00025	2.38	0.00462	0.00076	<0.0004	0.00025	0.67	0.00055	<0.0005	1.7	0.057	<0.0002	<0.00005	2.43	0.00051	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF (A) DC	18-Sep-2021	<0.05	0.00016	2.37	0.016	0.00051	<0.0004	<0.0002	0.48	0.00034	<0.0005	1.7	0.0509	<0.0002	<0.00005	1.88	0.00028	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF (A) DC	19-Sep-2021	<0.05	0.0002	2.78	0.00711	0.00054	<0.0004	<0.0002	0.57	0.00039	<0.0005	1.8	0.066	<0.0002	<0.00005	2.27	0.0003	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF (A) DC	20-Sep-2021	<0.05	0.0002	3	0.011	0.00056	<0.0004	<0.0002	0.64	0.00034	<0.0005	2	0.073	<0.0002	<0.00005	2.51	0.00031	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF (A) DC	21-Sep-2021	<0.05	0.00378	7.52	0.0551	0.00838	0.00107	0.00028	8.08	0.00378	0.00113	1.4	0.459	<0.0002	<0.00005	17.9	0.00389	<0.0005	0.000038	<0.0001	<0.005	<0.001	<0.00002
MC-EFF (A) DC	22-Sep-2021	<0.05	0.00359	9.12	0.0544	0.00677	0.00088	0.00029	8.73	0.00701	0.0013	1.8	0.45	<0.0002	<0.00005	18.4	0.00619	<0.0005	0.000035	<0.0001	<0.005	<0.001	<0.00002

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MC- TP4 DC	18-Dec-2021	<0.0002	0.1	<0.00002					
MC- TP4 DC	19-Dec-2021	<0.0002	0.102	<0.00002					
MC- TP4 DC	21-Dec-2021	<0.0002	0.0878	<0.00002					
MC- TP4 DC	22-Dec-2021	<0.0002	0.0775	<0.00002					
MC- TP4 DC	23-Dec-2021	<0.0002	0.0829	<0.00002					
MC- TP4 DC	24-Dec-2021	<0.0002	0.0835	<0.00002					
MC- TP4 DC	25-Dec-2021	<0.0002	0.0782	0.000021					
MC- TP4 DC	26-Dec-2021	<0.0002	0.0898	<0.00002					
MC- TP4 DC	27-Dec-2021	<0.0002	0.105	<0.00002					
MC+0	18-Aug-2021	<0.001	0.0063	<0.0001					
MC+100	18-Aug-2021	<0.001	0.0075	<0.0001					
MC+1000	18-Aug-2021	<0.001	0.0537	<0.0001					
MC+1100	18-Aug-2021	<0.001	0.0528	<0.0001					
MC+1200	18-Aug-2021	<0.001	0.115	<0.0001					
MC+1300	18-Aug-2021	<0.001	0.814	<0.0001					
MC+200	18-Aug-2021	<0.001	0.015	<0.0001					
MC+300	18-Aug-2021	<0.001	0.0117	<0.0001					
MC+400	18-Aug-2021	<0.001	0.0123	<0.0001					
MC+500	18-Aug-2021	<0.001	0.0251	<0.0001					
MC+600	10-Feb-2021	<0.001	0.0922	<0.0001			<0.005		
MC+600	14-Apr-2021	<0.001	0.0626	<0.0001	<0.00001		<0.005		
MC+600	8-Jul-2021	<0.001	0.0328	<0.0001	<0.00001		<0.005		
MC+600	18-Aug-2021	<0.001	0.0277	<0.0001					
MC+600	15-Sep-2021	<0.005	0.064	<0.0001	<0.00001		<0.01		
MC+600	13-Oct-2021	<0.001	0.0271	<0.0001					
MC+600	15-Nov-2021	<0.001	0.0576	<0.0001	<0.00001		<0.005		
MC+700	18-Aug-2021	<0.001	0.0945	<0.0001					
MC+800	18-Aug-2021	<0.001	0.0945	<0.0001					
MC+800 SEEP	18-Aug-2021	<0.001	0.178	<0.0001					
MC+850 S	18-May-2021								
MC+900	18-Aug-2021	<0.001	0.0544	<0.0001					
MC+950 SEEP	18-May-2021								
MC-500	18-Aug-2021	<0.001	0.0049	<0.0001					
MC-EFF (A) DC	7-Sep-2021	0.0013	0.0374	<0.0001					
MC-EFF (A) DC	8-Sep-2021	0.0013	0.0322	<0.0001					
MC-EFF (A) DC	9-Sep-2021	0.0016	0.0298	<0.0001					
MC-EFF (A) DC	10-Sep-2021	0.0019	0.047	<0.0001					
MC-EFF (A) DC	11-Sep-2021	0.0019	0.0879	<0.0001					
MC-EFF (A) DC	12-Sep-2021	0.0019	0.0578	<0.0001					
MC-EFF (A) DC	13-Sep-2021	0.002	0.0439	<0.0001					
MC-EFF (A) DC	14-Sep-2021	<0.001	0.183	<0.0001					
MC-EFF (A) DC	15-Sep-2021	<0.001	0.168	<0.0001					
MC-EFF (A) DC	16-Sep-2021	<0.001	0.195	<0.0001					
MC-EFF (A) DC	17-Sep-2021	<0.001	0.127	<0.0001					
MC-EFF (A) DC	18-Sep-2021	0.0011	0.106	<0.0001					
MC-EFF (A) DC	19-Sep-2021	0.0011	0.125	<0.0001					
MC-EFF (A) DC	20-Sep-2021	0.001	0.14	<0.0001					
MC-EFF (A) DC	21-Sep-2021	<0.001	0.099	<0.0001					
MC-EFF (A) DC	22-Sep-2021	<0.001	0.0976	<0.0001					

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21J0449	3	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	23-Sep-2021										
21J0449	4	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	24-Sep-2021										
21J0449	5	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	25-Sep-2021										
21J0449	6	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	26-Sep-2021										
21J0449	7	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	27-Sep-2021										
21J1444	1	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	28-Sep-2021										
21J1444	2	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	29-Sep-2021										
21J1444	3	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	30-Sep-2021										
21J1444	4	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	2-Oct-2021										
21J1444	5	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	3-Oct-2021										
21J1444	6	No	Regular	MC-EFF (A) DC	MC-EFF (A) DC	4-Oct-2021										
21J1449	1	No	Regular	MC-EFF (B) DC	MC-EFF (B) DC	28-Sep-2021										
21J1449	2	No	Regular	MC-EFF (B) DC	MC-EFF (B) DC	29-Sep-2021										
21J1449	3	No	Regular	MC-EFF (B) DC	MC-EFF (B) DC	30-Sep-2021										
21J1449	4	No	Regular	MC-EFF (B) DC	MC-EFF (B) DC	1-Oct-2021										
21J1449	5	No	Regular	MC-EFF (B) DC	MC-EFF (B) DC	2-Oct-2021										
21J1449	6	No	Regular	MC-EFF (B) DC	MC-EFF (B) DC	3-Oct-2021										
21J1449	7	No	Regular	MC-EFF (B) DC	MC-EFF (B) DC	4-Oct-2021										
21B0131	1	No	Regular	MC-EFF DC	MC-EFF DC	12-Jan-2021			302							
21B0131	2	No	Regular	MC-EFF DC	MC-EFF DC	13-Jan-2021										
21B0131	3	No	Regular	MC-EFF DC	MC-EFF DC	14-Jan-2021										
21B0131	4	No	Regular	MC-EFF DC	MC-EFF DC	15-Jan-2021			315							
21B0131	5	No	Regular	MC-EFF DC	MC-EFF DC	16-Jan-2021			340							
21B0131	6	No	Regular	MC-EFF DC	MC-EFF DC	17-Jan-2021			345							
21B0131	7	No	Regular	MC-EFF DC	MC-EFF DC	18-Jan-2021			348							
21B0131	8	No	Regular	MC-EFF DC	MC-EFF DC	19-Jan-2021			343							
21B0131	9	No	Regular	MC-EFF DC	MC-EFF DC	20-Jan-2021			335							
21B0131	10	No	Regular	MC-EFF DC	MC-EFF DC	21-Jan-2021			325							
21B0131	11	No	Regular	MC-EFF DC	MC-EFF DC	22-Jan-2021			321							
21B0131	12	No	Regular	MC-EFF DC	MC-EFF DC	23-Jan-2021			325							
21B0131	13	No	Regular	MC-EFF DC	MC-EFF DC	24-Jan-2021			321							
21B0131	14	No	Regular	MC-EFF DC	MC-EFF DC	25-Jan-2021			300							
21B0131	15	No	Regular	MC-EFF DC	MC-EFF DC	26-Jan-2021			289							
21B0131	16	No	Regular	MC-EFF DC	MC-EFF DC	27-Jan-2021			286							
21B0131	17	No	Regular	MC-EFF DC	MC-EFF DC	28-Jan-2021			259							
21B1432	1	No	Regular	MC-EFF DC	MC-EFF DC	29-Jan-2021			311							
21B1432	2	No	Regular	MC-EFF DC	MC-EFF DC	30-Jan-2021			319							
21B1432	3	No	Regular	MC-EFF DC	MC-EFF DC	31-Jan-2021			320							
21B1432	4	No	Regular	MC-EFF DC	MC-EFF DC	1-Feb-2021			314							
21B1432	5	No	Regular	MC-EFF DC	MC-EFF DC	2-Feb-2021			329							
21B1432	6	No	Regular	MC-EFF DC	MC-EFF DC	3-Feb-2021			324							
21B1432	7	No	Regular	MC-EFF DC	MC-EFF DC	4-Feb-2021			332							
21C2585	1	No	Regular	MC-EFF DC	MC-EFF DC	4-Mar-2021										
21C2585	2	No	Regular	MC-EFF DC	MC-EFF DC	5-Mar-2021										
21C2585	3	No	Regular	MC-EFF DC	MC-EFF DC	6-Mar-2021										
21C2585	4	No	Regular	MC-EFF DC	MC-EFF DC	7-Mar-2021										
21C2585	5	No	Regular	MC-EFF DC	MC-EFF DC	8-Mar-2021										
21C2585	6	No	Regular	MC-EFF DC	MC-EFF DC	9-Mar-2021										
21C2585	7	No	Regular	MC-EFF DC	MC-EFF DC	10-Mar-2021										

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+ Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MC-EFF (A) DC	23-Sep-2021															0.161	181	0.00065	0.0953	0.0284
MC-EFF (A) DC	24-Sep-2021															0.152	164	0.00067	0.0935	0.0299
MC-EFF (A) DC	25-Sep-2021															0.084	160	<0.0005	0.0906	0.0247
MC-EFF (A) DC	26-Sep-2021															0.0927	168	0.00066	0.1	0.0267
MC-EFF (A) DC	27-Sep-2021															0.255	189	0.00062	0.107	0.0298
MC-EFF (A) DC	28-Sep-2021															0.301	174	<0.0005	0.0586	0.0245
MC-EFF (A) DC	29-Sep-2021															0.292	190	<0.0005	0.0554	0.0227
MC-EFF (A) DC	30-Sep-2021															0.357	198	<0.0005	<0.05	0.0264
MC-EFF (A) DC	2-Oct-2021															0.37	188	<0.0005	<0.05	0.0213
MC-EFF (A) DC	3-Oct-2021															0.376	176	<0.0005	<0.05	0.0228
MC-EFF (A) DC	4-Oct-2021															0.55	159	<0.0005	0.0545	0.0231
MC-EFF (B) DC	28-Sep-2021															0.402	179	<0.0005	0.0622	0.027
MC-EFF (B) DC	29-Sep-2021															0.543	193	<0.0005	0.0526	0.0235
MC-EFF (B) DC	30-Sep-2021															0.827	180	<0.0005	<0.05	0.0307
MC-EFF (B) DC	1-Oct-2021															0.464	211	<0.0005	<0.05	0.0247
MC-EFF (B) DC	2-Oct-2021															0.583	195	<0.0005	<0.05	0.0262
MC-EFF (B) DC	3-Oct-2021															0.797	180	<0.0005	<0.05	0.0294
MC-EFF (B) DC	4-Oct-2021															0.685	154	<0.0005	<0.05	0.0246
MC-EFF DC	12-Jan-2021															0.18	107	0.00058	0.0501	0.038
MC-EFF DC	13-Jan-2021															0.463	103	0.00149	<0.1	0.081
MC-EFF DC	14-Jan-2021															0.339	70.3	0.00153	<0.1	0.134
MC-EFF DC	15-Jan-2021															0.238	115	0.00053	<0.05	0.0357
MC-EFF DC	16-Jan-2021															0.0871	124	<0.0005	<0.05	0.0231
MC-EFF DC	17-Jan-2021															0.115	129	<0.0005	<0.05	0.0222
MC-EFF DC	18-Jan-2021															0.123	125	<0.0005	<0.05	0.0242
MC-EFF DC	19-Jan-2021															0.0705	125	<0.0005	<0.05	0.0263
MC-EFF DC	20-Jan-2021															0.135	124	0.0007	<0.05	0.0262
MC-EFF DC	21-Jan-2021															0.12	116	0.00063	<0.05	0.0331
MC-EFF DC	22-Jan-2021															0.184	121	<0.0005	<0.05	0.029
MC-EFF DC	23-Jan-2021															0.217	115	<0.0005	<0.05	0.0266
MC-EFF DC	24-Jan-2021															0.198	115	<0.0005	<0.05	0.0225
MC-EFF DC	25-Jan-2021															0.156	107	<0.0005	<0.05	0.0199
MC-EFF DC	26-Jan-2021															0.196	104	<0.0005	<0.05	0.0216
MC-EFF DC	27-Jan-2021															0.137	101	<0.0005	<0.05	0.0208
MC-EFF DC	28-Jan-2021															0.146	90.3	<0.0005	<0.05	0.0253
MC-EFF DC	29-Jan-2021															0.139	100	<0.0005	<0.05	0.0187
MC-EFF DC	30-Jan-2021															0.166	99.5	<0.0005	<0.05	0.0203
MC-EFF DC	31-Jan-2021															0.124	107	<0.0005	<0.05	0.023
MC-EFF DC	1-Feb-2021															0.218	94.4	<0.0005	<0.05	0.0233
MC-EFF DC	2-Feb-2021															0.342	105	<0.0005	<0.05	0.0297
MC-EFF DC	3-Feb-2021															0.245	111	<0.0005	<0.05	0.034
MC-EFF DC	4-Feb-2021															0.376	109	<0.0005	<0.05	0.0783
MC-EFF DC	4-Mar-2021															0.145	125	0.00057	<0.05	0.0309
MC-EFF DC	5-Mar-2021															0.214	108	0.00057	<0.05	0.0413
MC-EFF DC	6-Mar-2021															0.317	118	<0.0005	<0.05	0.0269
MC-EFF DC	7-Mar-2021															0.3	124	<0.0005	<0.05	0.0286
MC-EFF DC	8-Mar-2021															0.432	126	<0.0005	<0.05	0.0335
MC-EFF DC	9-Mar-2021															0.414	128	0.00056	<0.05	0.0448
MC-EFF DC	10-Mar-2021															0.264	110	<0.0005	<0.05	0.0273

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MC-EFF (A) DC	23-Sep-2021	<0.0001	<0.0001	0.000431	174	<0.0005	0.00029	0.00966	0.011	<0.05	0.00462	12.8	0.0562	0.0101	0.00082	0.00063	11.7	0.00325	<0.0002	2.8	<0.00005	24.8	0.568
MC-EFF (A) DC	24-Sep-2021	<0.0001	<0.0001	0.000349	157	<0.0005	0.00023	0.00885	0.011	<0.05	0.00441	13	0.0498	0.0102	0.00082	0.00054	10.6	0.00309	<0.0002	2.9	<0.00005	24.4	0.53
MC-EFF (A) DC	25-Sep-2021	<0.0001	<0.0001	0.00039	149	<0.0005	0.00027	0.00845	0.018	<0.05	0.0044	13.8	0.0579	0.00881	0.00104	0.00084	9.3	0.00333	<0.0002	3	<0.00005	22.4	0.522
MC-EFF (A) DC	26-Sep-2021	<0.0001	<0.0001	0.00052	158	<0.0005	0.00027	0.011	0.029	<0.05	0.00451	13.1	0.0624	0.0109	0.00081	0.00121	11.3	0.00551	<0.0002	3.4	0.000112	26	0.545
MC-EFF (A) DC	27-Sep-2021	<0.0001	<0.0001	0.000965	173	<0.0005	0.00029	0.0126	0.058	<0.05	0.00467	10.2	0.0698	0.0145	0.00075	0.00158	11.9	0.00354	<0.0002	1.9	0.000103	26.2	0.525
MC-EFF (A) DC	28-Sep-2021	<0.0001	<0.0001	0.000736	181	<0.0005	0.00019	0.00741	0.042	<0.05	0.00489	7.68	0.0719	0.00317	0.0005	0.00082	7.9	0.00158	<0.0002	<1	<0.00005	15.9	0.486
MC-EFF (A) DC	29-Sep-2021	<0.0001	<0.0001	0.00116	196	<0.0005	0.00034	0.00638	0.038	<0.05	0.0056	9.09	0.151	0.00217	0.00074	0.00093	7.21	0.00145	<0.0002	<1	<0.00005	14.7	0.503
MC-EFF (A) DC	30-Sep-2021	<0.0001	<0.0001	0.00561	211	<0.0005	0.00113	0.0274	0.097	<0.05	0.00604	9.53	0.448	0.00157	0.00192	0.00301	5.31	0.00135	<0.0002	<1	<0.00005	10.7	0.504
MC-EFF (A) DC	2-Oct-2021	<0.0001	<0.0001	0.0022	198	<0.0005	0.00049	0.0126	0.07	<0.05	0.00581	7.87	0.171	0.00128	0.00174	0.00097	4.9	0.00117	<0.0002	<1	<0.00005	10.8	0.484
MC-EFF (A) DC	3-Oct-2021	<0.0001	<0.0001	0.0015	184	<0.0005	0.00047	0.00907	0.044	<0.05	0.00558	9.2	0.251	0.0022	0.00097	0.00092	6.36	0.00123	<0.0002	<1	<0.00005	12.9	0.457
MC-EFF (A) DC	4-Oct-2021	<0.0001	<0.0001	0.00114	158	<0.0005	0.00051	0.0143	0.082	0.093	0.00461	9.95	0.245	0.00313	0.00099	0.0015	7.66	0.00139	<0.0002	1.1	<0.00005	13.7	0.416
MC-EFF (B) DC	28-Sep-2021	<0.0001	<0.0001	0.00068	186	<0.0005	0.00016	0.00619	0.02	<0.05	0.0049	8.24	0.0682	0.00402	0.00043	0.00065	9.39	0.00212	<0.0002	<1	<0.00005	18.2	0.516
MC-EFF (B) DC	29-Sep-2021	<0.0001	<0.0001	0.000691	207	<0.0005	0.0002	0.00639	0.023	<0.05	0.00576	8.39	0.129	0.00252	0.00053	0.00041	7.48	0.00132	<0.0002	<1	<0.00005	15	0.517
MC-EFF (B) DC	30-Sep-2021	<0.0001	<0.0001	0.0043	195	<0.0005	0.00134	0.0293	0.209	<0.05	0.00548	9.18	0.43	0.00142	0.00282	0.0054	5.6	0.00117	<0.0002	<1	<0.00005	11.4	0.467
MC-EFF (B) DC	1-Oct-2021	<0.0001	<0.0001	0.00345	235	<0.0005	0.00072	0.0106	0.04	<0.05	0.00655	8.76	0.319	0.00136	0.00141	0.00088	5.28	0.00155	<0.0002	<1	<0.00005	11.1	0.555
MC-EFF (B) DC	2-Oct-2021	<0.0001	<0.0001	0.00118	213	<0.0005	0.00046	0.0101	0.038	<0.05	0.00578	8.71	0.225	0.00224	0.00097	0.00068	6.17	0.00132	<0.0002	<1	<0.00005	12.5	0.513
MC-EFF (B) DC	3-Oct-2021	<0.0001	<0.0001	0.00116	188	<0.0005	0.00062	0.0177	0.112	<0.05	0.00511	10.7	0.353	0.00282	0.0011	0.00191	7.76	0.00152	<0.0002	1.1	<0.00005	14	0.477
MC-EFF (B) DC	4-Oct-2021	<0.0001	<0.0001	0.000733	168	<0.0005	0.00046	0.0142	0.074	<0.05	0.00423	9.9	0.266	0.00323	0.00087	0.00138	7.55	0.00163	<0.0002	1.3	<0.00005	13.6	0.425
MC-EFF DC	12-Jan-2021	<0.0001	<0.0001	0.00127	113	<0.0005	0.00042	0.0164	0.093	<0.05	0.00236	9.64	0.0744	0.00223	0.00066	0.00374	2.63	0.00059	<0.0002	2	<0.00005	6.25	0.371
MC-EFF DC	13-Jan-2021	<0.0002	<0.0002	0.00115	105	<0.001	0.00043	0.052	1.09	<0.1	0.00267	11.7	0.0468	0.00216	0.00705	0.0119	5	<0.001	0.00085	2.7	0.000155	9.23	0.382
MC-EFF DC	14-Jan-2021	<0.0002	<0.0002	0.00069	66.2	<0.001	0.00032	0.0347	0.787	<0.1	0.00194	7.4	0.04	0.00149	0.00505	0.00919	3.35	<0.001	0.00088	2	<0.0001	6.08	0.236
MC-EFF DC	15-Jan-2021	<0.0001	<0.0001	0.00109	115	<0.0005	0.00053	0.0264	0.183	<0.05	0.00235	11.5	0.0706	0.00134	0.00097	0.00502	1.98	0.00057	<0.0002	2.5	<0.00005	6.77	0.403
MC-EFF DC	16-Jan-2021	<0.0001	<0.0001	0.000741	126	<0.0005	0.00016	0.00481	0.013	<0.05	0.00272	11.9	0.0247	0.00276	<0.0004	0.00026	3.76	0.00052	<0.0002	2.9	<0.00005	8.37	0.448
MC-EFF DC	17-Jan-2021	<0.0001	<0.0001	0.000639	125	<0.0005	0.00013	0.00583	0.014	<0.05	0.00273	13.3	0.0207	0.00414	<0.0004	<0.0002	4.19	<0.0005	<0.0002	2.5	<0.00005	8.6	0.453
MC-EFF DC	18-Jan-2021	<0.0001	<0.0001	0.000469	125	<0.0005	0.0001	0.00673	0.011	<0.05	0.00283	13.3	0.0168	0.00538	<0.0004	0.00071	4.56	<0.0005	<0.0002	2.9	<0.00005	8.75	0.459
MC-EFF DC	19-Jan-2021	<0.0001	<0.0001	0.000681	129	<0.0005	0.00021	0.00758	0.038	<0.05	0.00267	10.3	0.03	0.00219	<0.0004	0.0007	2.9	<0.0005	<0.0002	2.8	<0.00005	7.8	0.461
MC-EFF DC	20-Jan-2021	<0.0001	<0.0001	0.000209	122	<0.0005	<0.0001	0.00403	<0.01	<0.05	0.00272	12	0.00644	0.00582	<0.0004	0.00119	4.65	0.00081	<0.0002	3.3	<0.00005	8.6	0.455
MC-EFF DC	21-Jan-2021	<0.0001	<0.0001	0.000239	121	<0.0005	<0.0001	0.00478	0.022	<0.05	0.00261	9.65	0.00736	0.0053	<0.0004	0.00319	4.21	0.00079	0.0002	3.5	<0.00005	8.4	0.453
MC-EFF DC	22-Jan-2021	<0.0001	<0.0001	0.000456	121	<0.0005	0.00019	0.0127	0.054	<0.05	0.00274	9.8	0.0253	0.00475	0.00042	0.00204	4.08	0.00054	<0.0002	3.2	<0.00005	9.33	0.456
MC-EFF DC	23-Jan-2021	<0.0001	<0.0001	0.00063	118	<0.0005	0.0003	0.0187	0.076	<0.05	0.00273	10.9	0.041	0.00479	0.00057	0.002	4.23	0.00062	<0.0002	2.8	<0.00005	8.61	0.439
MC-EFF DC	24-Jan-2021	<0.0001	<0.0001	0.000586	116	<0.0005	0.00029	0.0181	0.066	<0.05	0.00283	11.7	0.0457	0.00488	0.00055	0.00139	4.16	0.00074	<0.0002	3.5	<0.00005	8.55	0.428
MC-EFF DC	25-Jan-2021	<0.0001	<0.0001	0.0002	105	<0.0005	<0.0001	0.00626	0.022	<0.05	0.00254	12.5	0.0165	0.00279	<0.0004	0.00163	2.76	0.00072	<0.0002	3.4	<0.00005	8.21	0.404
MC-EFF DC	26-Jan-2021	<0.0001	<0.0001	0.000413	103	<0.0005	0.00022	0.0118	0.045	<0.05	0.0025	12	0.0339	0.00187	0.00045	0.00848	2.04	0.00065	<0.0002	3.5	<0.00005	7.46	0.383
MC-EFF DC	27-Jan-2021	<0.0001	<0.0001	0.000366	102	<0.0005	0.00019	0.00966	0.037	<0.05	0.0024	10.9	0.0314	0.00228	<0.0004	0.00496	2.17	0.00073	<0.0002	3.5	<0.00005	7.23	0.378
MC-EFF DC	28-Jan-2021	<0.0001	<0.0001	0.000306	92.5	<0.0005	0.00019	0.0106	0.037	<0.05	0.00217	10.7	0.0315	0.00168	0.00049	0.00376	1.88	<0.0005	0.00088	3.3	<0.00005	6.77	0.344
MC-EFF DC	29-Jan-2021	<0.0001	<0.0001	0.000253	106	<0.0005	0.00013	0.00405	0.022	<0.05	0.00272	11.4	0.0258	0.00193	<0.0004	0.00064	1.88	<0.0005	<0.0002	3.6	<0.00005	7.31	0.377
MC-EFF DC	30-Jan-2021	<0.0001	<0.0001	0.000365	108	<0.0005	0.00016	0.00547	0.061	<0.05	0.00272	11.8	0.0351	0.00215	<0.0004	0.00137	2.06	<0.0005	<0.0002	3.6	<0.00005	7.7	0.387
MC-EFF DC	31-Jan-2021	<0.0001	<0.0001	0.000746	113	<0.0005	0.0003	0.00699	0.055	<0.05	0.0027	11.7	0.085	0.00369	0.00071	0.0011	3.33	0.00083	<0.0002	2.9	<0.00005	8.32	0.388
MC-EFF DC	1-Feb-2021	<0.0001	<0.0001	0.00073	107	<0.0005	0.00034	0.0135	0.088	<0.05	0.00256	10.3	0.0719	0.00435	0.00067	0.00136	4.31	0.00099	<0.0002	2.5	<0.00005	7.96	0.372
MC-EFF DC	2-Feb-2021	<0.0001	<0.0001	0.000839	114	<0.0005	0.00046	0.0245	0.173	<0.05	0.00278	11.4	0.0784	0.00272	0.00079	0.00307	3.46	0.00083	<0.0002	2.8	<0.00005	8.11	0.402
MC-EFF DC	3-Feb-2021	<0.0001	<0.0001	0.000509	117	0.00051	0.00026	0.0152	0.101	<0.05	0.00285	11	0.0401	0.00204	0.00055	0.0033	2.64	0.00061	<0.0002	3.1	<0.00005	7.47	0.414
MC-EFF DC	4-Feb-2021	<0.0001	<0.0001	0.00104	115	<0.0005	0.00055	0.0358	0.344	<0.05	0.00273	11	0.0795	0.00246	0.00105	0.00957	3.16	0.00067	<0.0002	2.9	<0.00005	7.73	0.423
MC-EFF DC	4-Mar-2021	<0.0001	<0.0001	0.000457	122	<0.0005	0.00012	0.00931	0.056	<0.05	0.0033	9.36	0.0232	0.0021	<0.0004	0.00184	4.58	0.00051	0.0006	2.4	<0.00005	9.78	0.508
MC-EFF DC	5-Mar-2021	<0.0001	<0.0001	0.000896	109	<0.0005	0.00023	0.0153	0.147	<0.05	0.00263	7.2	0.042	0.00131	0.00041	0.00486	3.9	0.00054	<0.0002	1.5	<0.00005	7.62	0.379
MC-EFF DC	6-Mar-2021	<0.0001	<0.0001	0.000456	118	<0.0005	0.00011	0.00962	0.064	<0.05	0.00276	7.14	0.0193	0.00145	<0.0004	0.00175	3.53	0.0005	<0.0002	1.5	<0.00005	7.33	0.43
MC-EFF DC	7-Mar-2021	<0.0001	<0.0001	0.00037	123	<0.0005	<0.0001	0.0093	0.059	<0.05	0.00275	7.09	0.0204	0.00114	<0.0004	0.00164	3.04	<0.0005	0.00027	1.8	<0.00005	7.55	0.46
MC-EFF DC	8-Mar-2021	<0.0001	<0.0001	0.000506	124	0.00123	0.00023	0.0165	0.154	<0.05	0.00295	9.19	0.0468	0.00099	0.00057	0.00319	2.59	<0.0005	0.00051	2.1	<0.00005	7.8	0.482
MC-EFF DC	9-Mar-2021	<0.0001	<0.0001	0.000527	126	<0.0005	0.00025	0.019	0.149	<0.05	0.00321	8.96	0.0435	0.00187	0.00156	0.00513	3.23	0.00058	0.00165	2	<0.00005	8.72	0.499
MC-EFF DC	10-Mar-2021	<0.0001	<0.0001	0.000483	113	<0.0005	0.00024	0.0148	0.088	<0.05	0.00309	7.73	0.0504	0.00186	0.00064	0.00261	2.8	0.00051	<0.0002	2.6	<0.00005	7.72	0.432

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MC-EFF (A) DC	23-Sep-2021	<0.0005	0.000051	<0.0001	<0.005	<0.001	0.000025	<0.001	0.117	<0.0001		0.0265	135	<0.0005	0.0586	<0.0001	<0.0001	0.0223	0.000334	133	<0.0005	0.00023	0.00683	<0.01
MC-EFF (A) DC	24-Sep-2021	<0.0005	0.000051	<0.0001	<0.005	<0.001	0.000021	<0.001	0.0966	<0.0001		0.0267	143	<0.0005	0.0595	<0.0001	<0.0001	0.0236	0.000279	133	<0.0005	0.00021	0.00664	<0.01
MC-EFF (A) DC	25-Sep-2021	<0.0005	0.000049	<0.0001	<0.005	<0.001	0.000023	<0.001	0.0977	<0.0001		0.0355	137	<0.0005	0.058	<0.0001	<0.0001	0.0209	0.000335	128	<0.0005	0.00022	0.00591	<0.01
MC-EFF (A) DC	26-Sep-2021	<0.0005	0.000048	<0.0001	<0.005	<0.001	0.000034	<0.001	0.113	<0.0001		0.0365	130	<0.0005	0.0609	<0.0001	<0.0001	0.0218	0.00044	126	<0.0005	0.00021	0.00715	<0.01
MC-EFF (A) DC	27-Sep-2021	<0.0005	0.000041	<0.0001	<0.005	<0.001	0.000038	<0.001	0.151	<0.0001		0.0548	145	<0.0005	0.0602	<0.0001	<0.0001	0.0238	0.000704	142	<0.0005	0.00019	0.00692	<0.01
MC-EFF (A) DC	28-Sep-2021	<0.0005	0.000039	<0.0001	<0.005	<0.001	0.000029	<0.001	0.0684	<0.0001		0.0313	202	<0.0005	0.0548	<0.0001	<0.0001	0.0244	0.000775	208	<0.0005	0.00014	0.00273	<0.01
MC-EFF (A) DC	29-Sep-2021	<0.0005	0.000038	<0.0001	0.016	<0.001	0.000035	<0.001	0.0702	<0.0001		0.0367	207	<0.0005	<0.05	<0.0001	<0.0001	0.022	0.00112	217	<0.0005	0.00032	0.00238	<0.01
MC-EFF (A) DC	30-Sep-2021	<0.0005	0.000042	<0.0001	<0.005	<0.001	0.000037	<0.001	0.298	<0.0001		0.053	226	<0.0005	<0.05	<0.0001	<0.0001	0.0237	0.00557	240	<0.0005	0.00073	0.00208	<0.01
MC-EFF (A) DC	2-Oct-2021	<0.0005	0.000042	<0.0001	<0.005	<0.001	0.00003	<0.001	0.151	<0.0001		0.109	215	<0.0005	<0.05	<0.0001	<0.0001	0.0229	0.00208	226	<0.0005	0.0003	0.00305	<0.01
MC-EFF (A) DC	3-Oct-2021	<0.0005	0.00004	<0.0001	<0.005	<0.001	0.000044	<0.001	0.123	<0.0001		0.134	184	<0.0005	<0.05	<0.0001	<0.0001	0.0216	0.00132	195	<0.0005	0.00034	0.00287	<0.01
MC-EFF (A) DC	4-Oct-2021	<0.0005	0.000032	<0.0001	<0.005	<0.001	0.000048	<0.001	0.173	<0.0001		0.395	174	<0.0005	<0.05	<0.0001	<0.0001	0.0224	0.000962	164	<0.0005	0.0004	0.00474	<0.01
MC-EFF (B) DC	28-Sep-2021	<0.0005	0.000042	<0.0001	<0.005	<0.001	0.000038	<0.001	0.0367	<0.0001		0.245	184	<0.0005	0.0548	<0.0001	<0.0001	0.0253	0.000591	186	<0.0005	0.00012	0.00354	<0.01
MC-EFF (B) DC	29-Sep-2021	<0.0005	0.000043	<0.0001	<0.005	<0.001	0.000044	<0.001	0.0289	<0.0001		0.391	210	<0.0005	<0.05	<0.0001	<0.0001	0.0229	0.00069	217	<0.0005	0.0002	0.00265	<0.01
MC-EFF (B) DC	30-Sep-2021	<0.0005	0.00004	<0.0001	<0.005	<0.001	0.000056	<0.001	0.411	<0.0001		0.357	217	<0.0005	<0.05	<0.0001	<0.0001	0.0254	0.00358	222	0.00065	0.00059	0.00312	<0.01
MC-EFF (B) DC	1-Oct-2021	<0.0005	0.000047	<0.0001	<0.005	<0.001	0.000042	<0.001	0.175	<0.0001		0.311	220	<0.0005	<0.05	<0.0001	<0.0001	0.0228	0.00273	240	<0.0005	0.00037	0.00233	<0.01
MC-EFF (B) DC	2-Oct-2021	<0.0005	0.000043	<0.0001	<0.005	<0.001	0.000047	<0.001	0.113	0.00024		0.382	203	<0.0005	<0.05	<0.0001	<0.0001	0.0237	0.000999	214	<0.0005	0.00027	0.00271	<0.01
MC-EFF (B) DC	3-Oct-2021	<0.0005	0.00004	<0.0001	<0.005	<0.001	0.000074	<0.001	0.194	<0.0001		0.624	187	<0.0005	<0.05	<0.0001	<0.0001	0.026	0.00096	190	0.0005	0.00042	0.00474	<0.01
MC-EFF (B) DC	4-Oct-2021	<0.0005	0.000038	<0.0001	<0.005	<0.001	0.000064	<0.001	0.139	<0.0001		0.635	161	<0.0005	<0.05	<0.0001	<0.0001	0.0225	0.000537	166	<0.0005	0.00032	0.00523	<0.01
MC-EFF DC	12-Jan-2021	<0.0005	0.000022	<0.0001	<0.005	<0.001	0.000023	<0.001	0.278	<0.0001		0.0146	109	<0.0005	0.0696	<0.0001	<0.0001	0.02	0.00122	107	<0.0005	0.00037	0.00491	<0.01
MC-EFF DC	13-Jan-2021	<0.001	<0.00004	<0.0002	<0.01	<0.002	<0.00004	0.0024	0.334	0.00023														
MC-EFF DC	14-Jan-2021	<0.001	<0.00004	<0.0002	<0.01	<0.002	<0.00004	0.0026	0.223	0.00056														
MC-EFF DC	15-Jan-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000028	<0.001	0.286	<0.0001		0.0137	116	<0.0005	0.0587	<0.0001	<0.0001	0.023	0.000983	110	<0.0005	0.00034	0.00506	<0.01
MC-EFF DC	16-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002	<0.001	0.0936	<0.0001		0.0337	125	<0.0005	0.058	<0.0001	<0.0001	0.0239	0.000649	121	<0.0005	0.00014	0.00184	<0.01
MC-EFF DC	17-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0777	<0.0001		0.066	125	<0.0005	0.0555	<0.0001	<0.0001	0.0226	0.000729	120	<0.0005	0.00013	0.003	<0.01
MC-EFF DC	18-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0673	<0.0001		0.0928	124	<0.0005	0.053	<0.0001	<0.0001	0.0223	0.000608	120	<0.0005	0.0001	0.00389	<0.01
MC-EFF DC	19-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.125	<0.0001		0.113	125	<0.0005	0.0522	<0.0001	<0.0001	0.0215	0.000474	117	<0.0005	<0.0001	0.00495	<0.01
MC-EFF DC	20-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0267	<0.0001		0.122	122	0.00065	0.0506	<0.0001	<0.0001	0.0221	0.000207	117	<0.0005	<0.0001	0.00321	<0.01
MC-EFF DC	21-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0385	<0.0001		0.1	116	0.00055	<0.05	<0.0001	<0.0001	0.0237	0.000189	116	<0.0005	<0.0001	0.00201	<0.01
MC-EFF DC	22-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.118	<0.0001		0.101	118	<0.0005	<0.05	<0.0001	<0.0001	0.023	0.000351	114	<0.0005	<0.0001	0.00241	<0.01
MC-EFF DC	23-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	<0.001	0.181	<0.0001		0.097	120	<0.0005	<0.05	0.00019	<0.0001	0.021	0.000462	113	0.00055	<0.0001	0.00325	<0.01
MC-EFF DC	24-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	<0.001	0.182	<0.0001		0.0976	117	<0.0005	<0.05	<0.0001	<0.0001	0.0192	0.00043	110	<0.0005	<0.0001	0.00354	<0.01
MC-EFF DC	25-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0588	<0.0001		0.122	113	<0.0005	<0.05	<0.0001	<0.0001	0.019	0.000172	102	<0.0005	<0.0001	0.00267	<0.01
MC-EFF DC	26-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.135	<0.0001		0.118	105	<0.0005	<0.05	<0.0001	<0.0001	0.0185	0.000282	97.7	<0.0005	<0.0001	0.00273	<0.01
MC-EFF DC	27-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.11	<0.0001		0.0586	97.8	<0.0005	<0.05	<0.0001	<0.0001	0.019	0.000291	98.6	<0.0005	<0.0001	0.00163	<0.01
MC-EFF DC	28-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.101	<0.0001		0.0995	89.2	<0.0005	<0.05	<0.0001	<0.0001	0.0207	0.000244	88.2	<0.0005	<0.0001	0.00235	<0.01
MC-EFF DC	29-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0473	<0.0001		0.112	99.6	<0.0005	<0.05	<0.0001	<0.0001	0.0178	0.000232	103	<0.0005	<0.0001	0.00219	<0.01
MC-EFF DC	30-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0679	<0.0001		0.112	101	<0.0005	<0.05	<0.0001	<0.0001	0.0172	0.000311	106	<0.0005	0.00011	0.00252	<0.01
MC-EFF DC	31-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000027	<0.001	0.135	<0.0001		0.0607	105	<0.0005	<0.05	<0.0001	<0.0001	0.0203	0.000683	107	<0.0005	0.00025	0.00246	<0.01
MC-EFF DC	1-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000028	<0.001	0.159	<0.0001		0.123	103	<0.0005	<0.05	<0.0001	<0.0001	0.0248	0.00063	106	<0.0005	0.00023	0.00461	<0.01
MC-EFF DC	2-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000032	<0.001	0.239	<0.0001		0.155	104	<0.0005	<0.05	<0.0001	<0.0001	0.0199	0.000469	111	<0.0005	0.00016	0.00371	<0.01
MC-EFF DC	3-Feb-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022	<0.001	0.129	<0.0001		0.159	104	<0.0005	<0.05	<0.0001	<0.0001	0.0188	0.00025	109	<0.0005	<0.0001	0.00374	<0.01
MC-EFF DC	4-Feb-2021	<0.0005	0.00002	<0.0001	<0.005	<0.001	0.000034	<0.001	0.286	<0.0001		0.145	104	<0.0005	<0.05	<0.0001	<0.0001	0.0195	0.000413	113	<0.0005	<0.0001	0.00596	<0.01
MC-EFF DC	4-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002	<0.001	0.058	<0.0001		0.0627	115	<0.0005	<0.05	<0.0001	<0.0001	0.0204	0.000331	114	<0.0005	<0.0001	0.00453	<0.01
MC-EFF DC	5-Mar-2021	<0.0005	0.000022	<0.0001	0.007	<0.001	<0.00002	<0.001	0.141	<0.0001		0.0343	107	<0.0005	<0.05	<0.0001	<0.0001	0.0213	0.000683	107	<0.0005	<0.0001	0.00312	<0.01
MC-EFF DC	6-Mar-2021	<0.0005	0.000024	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0627	<0.0001		0.0747	119	<0.0005	<0.05	<0.0001	<0.0001	0.0203	0.000353	117	<0.0005	<0.0001	0.00273	<0.01
MC-EFF DC	7-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0576	<0.0001		0.0836	113	<0.0005	<0.05	<0.0001	<0.0001	0.0193	0.000292	116	<0.0005	<0.0001	0.00299	<0.01
MC-EFF DC	8-Mar-2021	<0.0005	0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.113	<0.0001		0.132	121	<0.0005	<0.05	<0.0001	<0.0001	0.0196	0.000296	117	<0.0005	<0.0001	0.00284	<0.01
MC-EFF DC	9-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	<0.001	0.174	<0.0001		0.162	121	<0.0005	<0.05	<0.0001	<0.0001	0.0194	0.000284	120	<0.0005	<0.0001	0.0034	<0.01
MC-EFF DC	10-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.126	<0.0001		0.104	103	<0.0005	<0.05	<0.0001	<0.0001	0.0174	0.000257	102	0.00295	<0.0001	0.00293	<0.01

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MC-EFF (A) DC	23-Sep-2021	<0.05	0.0036	10.5	0.0519	0.00834	0.00077	0.00032	9.1	0.0104	0.00224	2.2	0.461	<0.0002	<0.00005	19	0.00898	<0.0005	0.00004	<0.0001	<0.005	<0.001	<0.00002
MC-EFF (A) DC	24-Sep-2021	<0.05	0.0036	11.3	0.0483	0.00943	0.00084	0.00023	9.11	0.0108	0.00294	2.4	0.478	<0.0002	<0.00005	19.6	0.00963	<0.0005	0.000045	<0.0001	<0.005	<0.001	<0.00002
MC-EFF (A) DC	25-Sep-2021	<0.05	0.00365	12.2	0.0557	0.0082	0.00069	<0.0002	7.9	0.00909	0.00306	2.4	0.476	<0.0002	<0.00005	18.3	0.00857	<0.0005	0.000046	<0.0001	<0.005	<0.001	0.000024
MC-EFF (A) DC	26-Sep-2021	<0.05	0.00344	10.4	0.0546	0.00905	0.00069	0.00023	8.62	0.0118	0.00423	2.1	0.45	<0.0002	0.000072	19.2	0.00986	<0.0005	0.000041	<0.0001	<0.005	<0.001	0.000029
MC-EFF (A) DC	27-Sep-2021	<0.05	0.00361	8.09	0.0597	0.0116	0.00058	<0.0002	9.16	0.00703	0.00276	1.2	0.442	<0.0002	0.000092	19	0.00606	<0.0005	0.000038	<0.0001	<0.005	<0.001	0.00003
MC-EFF (A) DC	28-Sep-2021	<0.05	0.00483	8.61	0.0704	0.00318	<0.0004	<0.0002	8.81	0.00199	0.00171	<1	0.523	<0.0002	<0.00005	17.3	0.00205	<0.0005	0.000039	<0.0001	<0.005	<0.001	0.000024
MC-EFF (A) DC	29-Sep-2021	<0.05	0.0052	9.74	0.15	0.00228	0.00068	<0.0002	7.82	0.00128	0.00205	<1	0.517	<0.0002	<0.00005	15.3	0.0013	<0.0005	0.000038	<0.0001	<0.005	<0.001	0.000032
MC-EFF (A) DC	30-Sep-2021	<0.05	0.00574	10.7	0.426	0.00141	0.00174	<0.0002	6.02	0.00123	0.00165	<1	0.538	<0.0002	<0.00005	11.9	0.00054	<0.0005	0.000043	<0.0001	<0.005	<0.001	0.000032
MC-EFF (A) DC	2-Oct-2021	<0.05	0.00557	8.83	0.136	0.00142	0.00104	<0.0002	5.52	0.00063	0.00232	<1	0.527	<0.0002	<0.00005	11.9	0.00071	<0.0005	0.000039	<0.0001	<0.005	<0.001	0.00003
MC-EFF (A) DC	3-Oct-2021	<0.05	0.00494	9.49	0.233	0.00213	0.00085	<0.0002	6.58	0.00145	0.00175	<1	0.452	<0.0002	<0.00005	12.8	0.0014	<0.0005	0.000038	<0.0001	<0.005	<0.001	0.000038
MC-EFF (A) DC	4-Oct-2021	<0.05	0.00397	10.5	0.241	0.0029	0.0009	<0.0002	7.84	0.00298	0.00227	1.2	0.43	<0.0002	<0.00005	14.4	0.0022	<0.0005	0.000033	<0.0001	<0.005	<0.001	0.000051
MC-EFF (B) DC	28-Sep-2021	<0.05	0.00423	8.3	0.0643	0.0038	<0.0004	<0.0002	9.4	0.00312	0.00314	<1	0.491	<0.0002	<0.00005	17.6	0.00299	<0.0005	0.000036	<0.0001	<0.005	<0.001	0.000035
MC-EFF (B) DC	29-Sep-2021	<0.05	0.00521	9.19	0.132	0.00246	0.00045	<0.0002	8.11	0.00124	0.00225	<1	0.53	<0.0002	<0.00005	16	0.00124	<0.0005	0.000044	<0.0001	<0.005	<0.001	0.000047
MC-EFF (B) DC	30-Sep-2021	<0.05	0.00527	10.5	0.42	0.00165	0.0011	<0.0002	6.58	0.00081	0.00242	<1	0.526	0.00046	<0.00005	12.7	0.00092	<0.0005	0.000036	<0.0001	<0.005	<0.001	0.00004
MC-EFF (B) DC	1-Oct-2021	<0.05	0.00578	9.1	0.248	0.00137	0.00099	<0.0002	5.41	0.00081	0.00218	<1	0.535	<0.0002	<0.00005	11.5	0.00047	<0.0005	0.000043	<0.0001	<0.005	<0.001	0.000036
MC-EFF (B) DC	2-Oct-2021	<0.05	0.00527	9.09	0.187	0.00197	0.00058	<0.0002	6.25	0.00123	0.0021	1.1	0.496	<0.0002	<0.00005	12.7	0.00104	<0.0005	0.000042	<0.0001	<0.005	<0.001	0.000039
MC-EFF (B) DC	3-Oct-2021	<0.05	0.00466	11.1	0.321	0.00263	0.00109	<0.0002	7.84	0.00181	0.00264	<1	0.453	0.00021	<0.00005	14.4	0.00169	<0.0005	0.000036	<0.0001	<0.005	<0.001	0.00007
MC-EFF (B) DC	4-Oct-2021	<0.05	0.00396	10.2	0.242	0.00297	0.00058	<0.0002	7.52	0.00247	0.00236	1	0.398	<0.0002	<0.00005	13.7	0.00209	<0.0005	0.000033	<0.0001	<0.005	<0.001	0.000061
MC-EFF DC	12-Jan-2021	<0.05	0.00238	8.63	0.0679	0.00229	0.00078	0.00039	2.35	0.00194	0.00062	1.8	0.366	<0.0002	<0.00005	6.06	0.00183	<0.0005	0.000027	<0.0001	<0.005	<0.001	0.000036
MC-EFF DC	13-Jan-2021									0.00309													
MC-EFF DC	14-Jan-2021									0.00178													
MC-EFF DC	15-Jan-2021	<0.05	0.00244	9.96	0.0513	0.00132	0.00091	0.00033	1.72	0.00108	0.00069	2	0.404	<0.0002	<0.00005	6.3	0.00095	<0.0005	0.000026	<0.0001	<0.005	<0.001	0.000042
MC-EFF DC	16-Jan-2021	<0.05	0.00274	9.11	0.0224	0.00199	0.00042	<0.0002	2.59	0.00195	0.00074	2.4	0.45	<0.0002	<0.00005	7.42	0.00125	<0.0005	0.000025	<0.0001	<0.005	<0.001	0.000028
MC-EFF DC	17-Jan-2021	<0.05	0.00275	10.6	0.021	0.00264	0.00043	<0.0002	3.31	0.00257	0.00071	2.6	0.449	<0.0002	<0.00005	7.97	0.00185	<0.0005	0.000023	<0.0001	<0.005	<0.001	0.000028
MC-EFF DC	18-Jan-2021	<0.05	0.00277	11.7	0.017	0.00402	<0.0004	<0.0002	3.71	0.00347	0.00057	2.6	0.449	<0.0002	<0.00005	8.16	0.00236	<0.0005	0.000023	<0.0001	<0.005	<0.001	0.000033
MC-EFF DC	19-Jan-2021	<0.05	0.00287	12	0.0134	0.00541	<0.0004	0.00021	4.11	0.00143	0.00051	2.9	0.445	<0.0002	<0.00005	8.41	0.00314	<0.0005	0.000025	<0.0001	<0.005	<0.001	0.000056
MC-EFF DC	20-Jan-2021	<0.05	0.00277	10.4	0.0054	0.00592	<0.0004	0.00036	4	0.00422	0.00084	2.8	0.452	<0.0002	<0.00005	8.1	0.00409	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025
MC-EFF DC	21-Jan-2021	<0.05	0.00276	8.89	0.004	0.00522	<0.0004	0.00287	3.81	0.00432	0.00094	3	0.452	<0.0002	<0.00005	9.43	0.00418	<0.0005	0.000021	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	22-Jan-2021	<0.05	0.0027	8.54	0.0084	0.00446	<0.0004	<0.0002	3.57	0.00383	0.00089	3.1	0.447	<0.0002	<0.00005	8.78	0.00357	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	23-Jan-2021	<0.05	0.00293	9.97	0.0111	0.00482	0.00043	0.00024	3.94	0.004	0.00079	2.8	0.439	<0.0002	<0.00005	8.62	0.00378	<0.0005	0.000041	<0.0001	<0.005	<0.001	0.000133
MC-EFF DC	24-Jan-2021	<0.05	0.00304	10.8	0.016	0.00483	<0.0004	<0.0002	3.85	0.00406	0.00099	2.9	0.431	<0.0002	<0.00005	8.51	0.00364	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000026
MC-EFF DC	25-Jan-2021	<0.05	0.00265	11.3	0.00913	0.00276	<0.0004	<0.0002	2.53	0.00228	0.0007	2.8	0.394	<0.0002	<0.00005	7.99	0.002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026
MC-EFF DC	26-Jan-2021	<0.05	0.00261	10.8	0.0145	0.00188	<0.0004	0.00025	1.79	0.00147	0.00078	3.2	0.38	<0.0002	<0.00005	7.21	0.0013	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025
MC-EFF DC	27-Jan-2021	<0.05	0.0024	9.72	0.0129	0.00226	<0.0004	0.00028	1.89	0.00167	0.00068	2.8	0.375	<0.0002	<0.00005	6.95	0.00161	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	28-Jan-2021	<0.05	0.00221	9.44	0.0139	0.00188	0.0005	<0.0002	1.66	0.00151	<0.0005	2.8	0.342	0.00077	<0.00005	6.42	0.00147	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023
MC-EFF DC	29-Jan-2021	<0.05	0.0028	12.8	0.0208	0.00185	0.00056	<0.0002	2.09	0.00136	0.00063	4.3	0.392	<0.0002	<0.00005	8.03	0.00112	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	30-Jan-2021	<0.05	0.0029	13.3	0.0283	0.00195	0.00042	<0.0002	2.27	0.00122	<0.0005	3.7	0.396	<0.0002	<0.00005	8.34	0.00097	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	31-Jan-2021	<0.05	0.00278	13.1	0.0774	0.00319	0.00069	<0.0002	3.59	0.00168	0.00082	3.1	0.39	<0.0002	<0.00005	8.59	0.00149	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022
MC-EFF DC	1-Feb-2021	<0.05	0.00268	12.2	0.0583	0.00408	0.00071	<0.0002	4.92	0.00195	0.00106	2.7	0.407	<0.0002	<0.00005	8.72	0.00189	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023
MC-EFF DC	2-Feb-2021	<0.05	0.00281	12.4	0.0342	0.00244	0.00117	<0.0002	3.71	0.00143	0.00082	2.6	0.399	0.00023	<0.00005	8.38	0.0012	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	3-Feb-2021	<0.05	0.00284	12.3	0.0155	0.00179	0.00058	<0.0002	2.92	0.00103	0.00058	3.5	0.414	0.00064	<0.00005	8.12	0.00082	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	4-Feb-2021	<0.05	0.00287	12	0.0226	0.0024	0.00085	<0.0002	3.39	0.00124	0.00067	3	0.434	<0.0002	<0.00005	8.08	0.001	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024
MC-EFF DC	4-Mar-2021	<0.05	0.00317	8.5	0.016	0.0019	<0.0004	<0.0002	4.24	0.00256	<0.0005	1.2	0.463	<0.0002	<0.00005	9.12	0.00221	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	5-Mar-2021	<0.05	0.00265	7.02	0.027	0.00135	<0.0004	<0.0002	3.79	0.00173	0.00054	<1	0.381	<0.0002	<0.00005	7.56	0.0016	<0.0005	0.000021	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	6-Mar-2021	<0.05	0.00284	7.05	0.0118	0.00142	<0.0004	<0.0002	3.44	0.00139	<0.0005	<1	0.433	<0.0002	<0.00005	7.21	0.00133	<0.0005	0.000022	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	7-Mar-2021	<0.05	0.00268	6.57	0.0123	0.0011	<0.0004	<0.0002	2.9	0.00106	<0.0005	<1	0.419	<0.0002	<0.00005	6.89	0.00101	<0.0005	0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	8-Mar-2021	<0.05	0.00289	8.7	0.0227	0.00094	<0.0004	<0.0002	2.49	0.00114	<0.0005	<1	0.457	0.00165	<0.00005	7.59	0.00081	<0.0005	0.000022	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	9-Mar-2021	<0.05	0.00305	8.33	0.0142	0.00166	<0.0004	<0.0002	2.93	0.00174	0.00052	<1	0.468	<0.0002	<0.00005	8.13	0.00154	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	10-Mar-2021	<0.05	0.00262	6.95	0.0123	0.00163	0.00119	<0.0002	2.47	0.00191	<0.0005	<1	0.39	<0.0002	<0.00005	6.91	0.00148	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MC-EFF (A) DC	23-Sep-2021	<0.001	0.0923	<0.0001					
MC-EFF (A) DC	24-Sep-2021	<0.001	0.078	<0.0001					
MC-EFF (A) DC	25-Sep-2021	<0.001	0.0791	<0.0001					
MC-EFF (A) DC	26-Sep-2021	<0.001	0.0804	<0.0001					
MC-EFF (A) DC	27-Sep-2021	<0.001	0.103	<0.0001					
MC-EFF (A) DC	28-Sep-2021	<0.001	0.041	<0.0001					
MC-EFF (A) DC	29-Sep-2021	<0.001	0.0463	<0.0001					
MC-EFF (A) DC	30-Sep-2021	<0.001	0.106	<0.0001					
MC-EFF (A) DC	2-Oct-2021	<0.001	0.053	<0.0001					
MC-EFF (A) DC	3-Oct-2021	<0.001	0.0618	<0.0001					
MC-EFF (A) DC	4-Oct-2021	<0.001	0.0903	<0.0001					
MC-EFF (B) DC	28-Sep-2021	<0.001	0.0194	<0.0001					
MC-EFF (B) DC	29-Sep-2021	<0.001	0.0109	<0.0001					
MC-EFF (B) DC	30-Sep-2021	<0.001	0.0336	<0.0001					
MC-EFF (B) DC	1-Oct-2021	<0.001	0.0324	<0.0001					
MC-EFF (B) DC	2-Oct-2021	<0.001	0.0284	<0.0001					
MC-EFF (B) DC	3-Oct-2021	<0.001	0.0495	<0.0001					
MC-EFF (B) DC	4-Oct-2021	<0.001	0.0394	<0.0001					
MC-EFF DC	12-Jan-2021	<0.001	0.258	<0.0001					
MC-EFF DC	13-Jan-2021								
MC-EFF DC	14-Jan-2021								
MC-EFF DC	15-Jan-2021	<0.001	0.21	<0.0001					
MC-EFF DC	16-Jan-2021	<0.001	0.0833	<0.0001					
MC-EFF DC	17-Jan-2021	<0.001	0.077	<0.0001					
MC-EFF DC	18-Jan-2021	<0.001	0.06	<0.0001					
MC-EFF DC	19-Jan-2021	<0.001	0.0523	<0.0001					
MC-EFF DC	20-Jan-2021	<0.001	0.0222	<0.0001					
MC-EFF DC	21-Jan-2021	<0.001	0.0335	<0.0001					
MC-EFF DC	22-Jan-2021	<0.001	0.0386	<0.0001					
MC-EFF DC	23-Jan-2021	<0.001	0.0407	<0.0001					
MC-EFF DC	24-Jan-2021	<0.001	0.0467	<0.0001					
MC-EFF DC	25-Jan-2021	<0.001	0.024	<0.0001					
MC-EFF DC	26-Jan-2021	<0.001	0.0563	<0.0001					
MC-EFF DC	27-Jan-2021	<0.001	0.0485	<0.0001					
MC-EFF DC	28-Jan-2021	<0.001	0.0445	<0.0001					
MC-EFF DC	29-Jan-2021	<0.001	0.0382	<0.0001					
MC-EFF DC	30-Jan-2021	<0.001	0.0493	<0.0001					
MC-EFF DC	31-Jan-2021	<0.001	0.119	<0.0001					
MC-EFF DC	1-Feb-2021	<0.001	0.109	<0.0001					
MC-EFF DC	2-Feb-2021	<0.001	0.0689	<0.0001					
MC-EFF DC	3-Feb-2021	<0.001	0.0311	<0.0001					
MC-EFF DC	4-Feb-2021	<0.001	0.0574	<0.0001					
MC-EFF DC	4-Mar-2021	<0.001	0.0338	<0.0001					
MC-EFF DC	5-Mar-2021	<0.001	0.071	<0.0001					
MC-EFF DC	6-Mar-2021	<0.001	0.0297	<0.0001					
MC-EFF DC	7-Mar-2021	<0.001	0.0255	<0.0001					
MC-EFF DC	8-Mar-2021	<0.001	0.0259	<0.0001					
MC-EFF DC	9-Mar-2021	<0.001	0.0343	<0.0001					
MC-EFF DC	10-Mar-2021	<0.001	0.0297	<0.0001					

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21C3435	1	No	Regular	MC-EFF DC	MC-EFF DC	11-Mar-2021			335							
21C3435	2	No	Regular	MC-EFF DC	MC-EFF DC	12-Mar-2021			329							
21C3435	3	No	Regular	MC-EFF DC	MC-EFF DC	13-Mar-2021			355							
21C3435	4	No	Regular	MC-EFF DC	MC-EFF DC	14-Mar-2021			363							
21C3435	5	No	Regular	MC-EFF DC	MC-EFF DC	15-Mar-2021			365							
21C3435	6	No	Regular	MC-EFF DC	MC-EFF DC	16-Mar-2021			362							
21C3435	7	No	Regular	MC-EFF DC	MC-EFF DC	17-Mar-2021			354							
21D0171	1	No	Regular	MC-EFF DC	MC-EFF DC	18-Mar-2021			331							
21D0171	2	No	Regular	MC-EFF DC	MC-EFF DC	19-Mar-2021			323							
21D0171	3	No	Regular	MC-EFF DC	MC-EFF DC	20-Mar-2021			340							
21D0171	4	No	Regular	MC-EFF DC	MC-EFF DC	21-Mar-2021			339							
21D0171	5	No	Regular	MC-EFF DC	MC-EFF DC	22-Mar-2021			344							
21D0171	6	No	Regular	MC-EFF DC	MC-EFF DC	23-Mar-2021			344							
21D0171	7	No	Regular	MC-EFF DC	MC-EFF DC	24-Mar-2021			341							
21D0171	8	No	Regular	MC-EFF DC	MC-EFF DC	25-Mar-2021			340							
21D0171	9	No	Regular	MC-EFF DC	MC-EFF DC	26-Mar-2021			345							
21D0171	10	No	Regular	MC-EFF DC	MC-EFF DC	27-Mar-2021			347							
21D0171	11	No	Regular	MC-EFF DC	MC-EFF DC	28-Mar-2021			336							
21D0171	12	No	Regular	MC-EFF DC	MC-EFF DC	29-Mar-2021			336							
21D0171	13	No	Regular	MC-EFF DC	MC-EFF DC	30-Mar-2021			327							
21D0887	1	No	Regular	MC-EFF DC	MC-EFF DC	31-Mar-2021			336							
21D0887	2	No	Regular	MC-EFF DC	MC-EFF DC	1-Apr-2021			346							
21D0887	3	No	Regular	MC-EFF DC	MC-EFF DC	2-Apr-2021			329							
21D0887	4	No	Regular	MC-EFF DC	MC-EFF DC	3-Apr-2021			304							
21D0887	5	No	Regular	MC-EFF DC	MC-EFF DC	4-Apr-2021			322							
21D0887	6	No	Regular	MC-EFF DC	MC-EFF DC	5-Apr-2021			339							
21G0059	1	No	Regular	MC-EFF DC	MC-EFF DC	12-Jun-2021										
21F3442	1	No	Regular	MC-EFF DC	MC-EFF DC	15-Jun-2021										
21F3442	2	No	Regular	MC-EFF DC	MC-EFF DC	16-Jun-2021										
21F3442	3	No	Regular	MC-EFF DC	MC-EFF DC	17-Jun-2021										
21F3442	4	No	Regular	MC-EFF DC	MC-EFF DC	18-Jun-2021										
21F3442	5	No	Regular	MC-EFF DC	MC-EFF DC	19-Jun-2021										
21F3442	6	No	Regular	MC-EFF DC	MC-EFF DC	20-Jun-2021										
21F3442	7	No	Regular	MC-EFF DC	MC-EFF DC	21-Jun-2021										
21F3442	8	No	Regular	MC-EFF DC	MC-EFF DC	22-Jun-2021										
21G0902	1	No	Regular	MC-EFF DC	MC-EFF DC	30-Jun-2021										
21G0902	2	No	Regular	MC-EFF DC	MC-EFF DC	1-Jul-2021										
21G0902	3	No	Regular	MC-EFF DC	MC-EFF DC	2-Jul-2021										
21G0902	4	No	Regular	MC-EFF DC	MC-EFF DC	3-Jul-2021										
21G0902	5	No	Regular	MC-EFF DC	MC-EFF DC	4-Jul-2021										
21G0902	6	No	Regular	MC-EFF DC	MC-EFF DC	5-Jul-2021										
21G1783	1	No	Regular	MC-EFF DC	MC-EFF DC	6-Jul-2021										
21G1783	2	No	Regular	MC-EFF DC	MC-EFF DC	7-Jul-2021										
21G1783	3	No	Regular	MC-EFF DC	MC-EFF DC	8-Jul-2021										
21G1783	4	No	Regular	MC-EFF DC	MC-EFF DC	9-Jul-2021										
21G1783	5	No	Regular	MC-EFF DC	MC-EFF DC	10-Jul-2021										
21G1783	6	No	Regular	MC-EFF DC	MC-EFF DC	11-Jul-2021										
21G1783	7	No	Regular	MC-EFF DC	MC-EFF DC	12-Jul-2021										
21G1783	8	No	Regular	MC-EFF DC	MC-EFF DC	13-Jul-2021										

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+ Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MC-EFF DC	11-Mar-2021															0.14	109	<0.0005	<0.05	0.0205
MC-EFF DC	12-Mar-2021															0.242	107	<0.0005	<0.05	0.0254
MC-EFF DC	13-Mar-2021															0.175	119	<0.0005	<0.05	0.0211
MC-EFF DC	14-Mar-2021															0.181	116	<0.0005	<0.05	0.0226
MC-EFF DC	15-Mar-2021															0.167	123	<0.0005	<0.05	0.0216
MC-EFF DC	16-Mar-2021															0.235	119	0.00053	<0.05	0.0255
MC-EFF DC	17-Mar-2021															0.233	125	0.00065	<0.05	0.0272
MC-EFF DC	18-Mar-2021															0.0765	124	<0.0005	<0.1	0.0239
MC-EFF DC	19-Mar-2021															0.0864	118	<0.0005	<0.1	0.0235
MC-EFF DC	20-Mar-2021															0.175	120	<0.0005	<0.1	0.0228
MC-EFF DC	21-Mar-2021															0.164	117	<0.0005	<0.1	0.0208
MC-EFF DC	22-Mar-2021															0.162	123	<0.0005	<0.1	0.022
MC-EFF DC	23-Mar-2021															0.166	123	<0.0005	<0.1	0.0245
MC-EFF DC	24-Mar-2021															0.132	120	<0.0005	<0.1	0.0235
MC-EFF DC	25-Mar-2021															0.178	121	<0.0005	<0.1	0.0246
MC-EFF DC	26-Mar-2021															0.217	123	<0.0005	<0.1	0.0264
MC-EFF DC	27-Mar-2021															0.202	122	<0.0005	<0.1	0.0298
MC-EFF DC	28-Mar-2021															0.244	119	0.00068	<0.1	0.0343
MC-EFF DC	29-Mar-2021															0.222	120	<0.0005	<0.1	0.0368
MC-EFF DC	30-Mar-2021															0.216	115	<0.0005	<0.1	0.0322
MC-EFF DC	31-Mar-2021															0.153	110	<0.0005	<0.05	0.0244
MC-EFF DC	1-Apr-2021															0.169	113	<0.0005	<0.05	0.0232
MC-EFF DC	2-Apr-2021															0.167	104	<0.0005	<0.05	0.0251
MC-EFF DC	3-Apr-2021															0.216	93.8	<0.0005	<0.05	0.0272
MC-EFF DC	4-Apr-2021															0.194	104	<0.0005	<0.05	0.0284
MC-EFF DC	5-Apr-2021															0.254	113	0.00057	<0.05	0.0264
MC-EFF DC	12-Jun-2021															0.0219	90.1	0.000132	0.0265	0.0212
MC-EFF DC	15-Jun-2021															0.124	73.9	0.000195	0.0261	0.0222
MC-EFF DC	16-Jun-2021															0.141	75.8	0.000198	0.0243	0.0209
MC-EFF DC	17-Jun-2021															0.126	72.5	0.000208	0.0233	0.0219
MC-EFF DC	18-Jun-2021															0.122	78.5	0.000225	0.023	0.0228
MC-EFF DC	19-Jun-2021															0.117	93	0.000222	0.0271	0.0236
MC-EFF DC	20-Jun-2021															0.0938	113	0.00033	0.0394	0.0234
MC-EFF DC	21-Jun-2021															0.108	117	0.000435	0.0518	0.0249
MC-EFF DC	22-Jun-2021															0.131	119	0.00073	0.058	0.026
MC-EFF DC	30-Jun-2021															0.0979	101	0.000843	0.0596	0.0264
MC-EFF DC	1-Jul-2021															0.101	103	0.000842	0.0623	0.0281
MC-EFF DC	2-Jul-2021															0.103	109	0.000769	0.061	0.0284
MC-EFF DC	3-Jul-2021															0.131	112	0.000677	0.0581	0.0272
MC-EFF DC	4-Jul-2021															0.156	110	0.000637	0.0559	0.0294
MC-EFF DC	5-Jul-2021															0.185	106	0.000582	0.054	0.0288
MC-EFF DC	6-Jul-2021															0.0657	108	0.00064	0.075	0.0283
MC-EFF DC	7-Jul-2021															0.0739	106	0.00064	0.0645	0.0263
MC-EFF DC	8-Jul-2021															0.0857	109	0.00079	0.0664	0.0278
MC-EFF DC	9-Jul-2021															0.0957	105	0.00078	0.0677	0.0338
MC-EFF DC	10-Jul-2021															0.115	96.7	0.00076	0.0634	0.0354
MC-EFF DC	11-Jul-2021															0.156	98.1	0.00076	0.0644	0.042
MC-EFF DC	12-Jul-2021															0.17	108	0.00068	0.0647	0.0313
MC-EFF DC	13-Jul-2021															0.217	111	0.00067	0.0638	0.0331

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MC-EFF DC	11-Mar-2021	<0.0001	<0.0001	0.000392	116	<0.0005	0.00012	0.00553	0.019	<0.05	0.00308	8.71	0.0314	0.00159	<0.0004	0.00085	2.5	<0.0005	<0.0002	2.4	<0.00005	7.85	0.404
MC-EFF DC	12-Mar-2021	<0.0001	<0.0001	0.000349	115	<0.0005	0.0002	0.0121	0.072	<0.05	0.00325	10.3	0.0388	0.00159	0.00063	0.00507	2.29	<0.0005	<0.0002	2.5	<0.00005	8.24	0.397
MC-EFF DC	13-Mar-2021	<0.0001	<0.0001	0.000303	122	<0.0005	<0.0001	0.00399	0.018	<0.05	0.00354	11.5	0.0233	0.00145	<0.0004	0.00074	2.23	<0.0005	<0.0002	2.3	<0.00005	8.97	0.424
MC-EFF DC	14-Mar-2021	<0.0001	<0.0001	0.000249	126	<0.0005	<0.0001	0.00377	0.037	<0.05	0.00354	11.6	0.0277	0.00137	0.00051	0.00114	2.28	<0.0005	<0.0002	2	<0.00005	9.05	0.432
MC-EFF DC	15-Mar-2021	<0.0001	<0.0001	0.000304	128	<0.0005	0.00015	0.00535	0.031	<0.05	0.00353	10.9	0.0422	0.00303	0.0004	0.00076	3.4	0.00064	<0.0002	2.2	<0.00005	9.43	0.435
MC-EFF DC	16-Mar-2021	<0.0001	<0.0001	0.000491	122	<0.0005	0.00029	0.0127	0.074	<0.05	0.00369	11.5	0.0691	0.00592	0.00059	0.00173	5.43	0.00101	<0.0002	2.6	<0.00005	9.99	0.422
MC-EFF DC	17-Mar-2021	<0.0001	<0.0001	0.000469	126	<0.0005	0.00026	0.0104	0.059	<0.05	0.00348	13.1	0.0705	0.00792	0.00069	0.00161	7.01	0.00145	<0.0002	3.1	<0.00005	10.5	0.473
MC-EFF DC	18-Mar-2021	<0.0001	<0.0001	0.000568	125	<0.0005	0.00016	0.004	0.013	<0.05	0.00359	10.4	0.0405	0.00712	0.00115	0.00042	7.71	0.00083	<0.0002	1.9	<0.00005	11	0.481
MC-EFF DC	19-Mar-2021	<0.0001	<0.0001	0.000546	121	<0.0005	0.00014	0.00446	0.011	<0.05	0.00332	8.94	0.0273	0.00409	<0.0004	0.00034	7.1	0.00082	<0.0002	2	<0.00005	10.1	0.459
MC-EFF DC	20-Mar-2021	<0.0001	<0.0001	0.000378	123	0.00062	<0.0001	0.00586	0.05	<0.05	0.00336	8.53	0.0177	0.00237	0.00064	0.00063	6.12	0.00063	<0.0002	2.3	<0.00005	9.65	0.471
MC-EFF DC	21-Mar-2021	<0.0001	<0.0001	0.000303	120	<0.0005	<0.0001	0.00919	0.027	<0.05	0.00352	10	0.0203	0.00193	<0.0004	0.00068	5.96	0.00085	<0.0002	2.4	<0.00005	9.67	0.467
MC-EFF DC	22-Mar-2021	<0.0001	<0.0001	0.000234	121	<0.0005	<0.0001	0.0124	0.033	<0.05	0.00369	11.3	0.0205	0.00206	<0.0004	0.00079	6.1	0.00082	<0.0002	2.4	<0.00005	9.78	0.465
MC-EFF DC	23-Mar-2021	<0.0001	<0.0001	0.000322	121	<0.0005	0.00013	0.0148	0.028	0.057	0.00353	12.7	0.0344	0.00458	0.00049	0.00104	6.78	0.00073	<0.0002	2.7	<0.00005	10	0.474
MC-EFF DC	24-Mar-2021	<0.0001	<0.0001	0.000266	116	<0.0005	0.00012	0.0127	0.04	<0.05	0.00356	11.9	0.0341	0.00539	0.00072	0.00106	6.79	0.00075	<0.0002	2.9	<0.00005	9.58	0.455
MC-EFF DC	25-Mar-2021	<0.0001	<0.0001	0.000367	118	<0.0005	0.00016	0.0136	0.043	<0.05	0.00346	12.1	0.0369	0.00547	0.00048	0.00118	7.11	0.00068	<0.0002	3.1	<0.00005	10.1	0.465
MC-EFF DC	26-Mar-2021	<0.0001	<0.0001	0.000348	120	<0.0005	0.00017	0.0151	0.068	<0.05	0.00355	12.4	0.0358	0.00682	0.0007	0.00177	7.44	0.00071	<0.0002	3.1	<0.00005	10.1	0.466
MC-EFF DC	27-Mar-2021	<0.0001	<0.0001	0.000315	124	<0.0005	0.00015	0.0156	0.057	<0.05	0.00345	11.7	0.0292	0.00855	0.00056	0.00226	7.74	0.00157	<0.0002	2.7	<0.00005	10.1	0.467
MC-EFF DC	28-Mar-2021	<0.0001	<0.0001	0.000422	119	<0.0005	0.00019	0.0185	0.132	0.056	0.00317	10.9	0.0353	0.00669	0.00048	0.00553	7.09	0.00144	<0.0002	2.8	<0.00005	9.68	0.438
MC-EFF DC	29-Mar-2021	<0.0001	<0.0001	0.000312	123	<0.0005	0.00018	0.017	0.116	<0.05	0.0034	10.5	0.0366	0.00351	0.00056	0.00417	5.51	0.00084	<0.0002	2.8	<0.00005	9.5	0.45
MC-EFF DC	30-Mar-2021	<0.0001	<0.0001	0.000337	114	<0.0005	0.00019	0.0198	0.105	<0.05	0.0033	11.2	0.0424	0.00344	0.00065	0.0033	4.63	0.00092	<0.0002	2.8	<0.00005	8.94	0.438
MC-EFF DC	31-Mar-2021	<0.0001	<0.0001	0.000316	115	<0.0005	0.00013	0.00868	0.049	<0.05	0.00321	12.1	0.0368	0.0049	0.00041	0.00179	4.78	0.00062	<0.0002	2.3	<0.00005	9.13	0.403
MC-EFF DC	1-Apr-2021	<0.0001	<0.0001	0.000308	117	<0.0005	0.00012	0.00789	0.054	<0.05	0.00321	12.5	0.0312	0.00389	0.00072	0.00223	3.87	0.00064	<0.0002	2.3	<0.00005	9.19	0.415
MC-EFF DC	2-Apr-2021	<0.0001	<0.0001	0.000387	108	<0.0005	0.00018	0.00937	0.054	<0.05	0.00296	12.6	0.056	0.00376	0.00057	0.00241	3.39	0.00064	<0.0002	2.3	<0.00005	8.3	0.392
MC-EFF DC	3-Apr-2021	<0.0001	<0.0001	0.000418	102	<0.0005	0.00024	0.0132	0.078	<0.05	0.00275	11.3	0.0537	0.00435	0.00066	0.00307	3.72	0.00063	<0.0002	2.3	<0.00005	7.93	0.371
MC-EFF DC	4-Apr-2021	<0.0001	<0.0001	0.000397	107	<0.0005	0.00019	0.0136	0.084	<0.05	0.0028	10.9	0.0457	0.0049	0.00055	0.00322	4.57	0.00088	<0.0002	2.5	<0.00005	8.63	0.39
MC-EFF DC	5-Apr-2021	<0.0001	<0.0001	0.000349	118	<0.0005	0.00022	0.0178	0.129	<0.05	0.00324	11	0.0454	0.00707	0.00054	0.00353	5.94	0.00128	<0.0002	2.5	<0.00005	10.1	0.427
MC-EFF DC	12-Jun-2021	<0.00001	<0.00001	0.000288	88.3	0.00018	0.000147	0.0011	0.0033	<0.01	0.00251	12.9	0.0537	0.000771	0.000561	0.000156	1.25	0.00033	0.000085	2.46	<0.00001	7.73	0.374
MC-EFF DC	15-Jun-2021	<0.00001	<0.00001	0.000388	78.4	0.0002	0.00014	0.00449	0.0145	<0.01	0.00253	11.1	0.0337	0.000763	0.000433	0.000856	1.28	0.00037	0.000064	2.22	<0.00001	7.76	0.322
MC-EFF DC	16-Jun-2021	<0.00001	<0.00001	0.000405	74.7	0.00024	0.000131	0.00348	0.0176	<0.01	0.00236	10.4	0.0367	0.000866	0.000323	0.000743	1.3	0.00039	0.000054	2.23	<0.00001	7.6	0.32
MC-EFF DC	17-Jun-2021	<0.00001	<0.00001	0.000598	76	0.00016	0.000301	0.0056	0.017	<0.01	0.00232	11	0.13	0.000793	0.000693	0.000919	1.18	0.00032	0.00008	2.22	<0.00001	7.12	0.306
MC-EFF DC	18-Jun-2021	<0.00001	<0.00001	0.000598	81	0.00021	0.000367	0.011	0.019	<0.01	0.00236	12.6	0.16	0.000796	0.00116	0.00106	1.24	0.00041	<0.00005	2.45	<0.00001	8.46	0.319
MC-EFF DC	19-Jun-2021	<0.00001	<0.00001	0.000468	93.7	0.00021	0.000261	0.00679	0.019	<0.01	0.00318	12.5	0.119	0.00129	0.00113	0.001	1.93	0.00053	0.000081	2.3	<0.00001	13.1	0.352
MC-EFF DC	20-Jun-2021	<0.00001	<0.00001	0.000423	113	0.0002	0.000162	0.00563	0.0211	<0.01	0.00401	12.2	0.0538	0.00474	0.000632	0.00101	4.68	0.00136	<0.00005	2.11	<0.00001	18	0.424
MC-EFF DC	21-Jun-2021	<0.00001	<0.00001	0.000445	115	0.00023	0.000179	0.00749	0.0364	<0.01	0.00405	12.5	0.0533	0.00911	0.000529	0.00131	7.29	0.00316	<0.00005	2.38	0.000014	17	0.442
MC-EFF DC	22-Jun-2021	0.000015	<0.00001	0.000394	114	0.00025	0.000182	0.0102	0.0329	0.012	0.00377	13	0.0504	0.0115	0.000554	0.00149	9.05	0.00478	0.000057	2.45	0.000024	16.7	0.454
MC-EFF DC	30-Jun-2021	<0.00001	<0.00001	0.000323	96.7	0.00019	0.000159	0.00458	0.0063	<0.01	0.00298	9.86	0.0333	0.0127	0.000364	0.000726	8.37	0.0041	<0.00005	2.82	<0.00001	12.9	0.408
MC-EFF DC	1-Jul-2021	<0.00001	<0.00001	0.000293	99	0.00025	0.000152	0.00672	0.0104	<0.01	0.00314	9.84	0.0325	0.0131	0.0019	0.000917	9.09	0.00479	0.000285	2.75	0.00001	13.3	0.411
MC-EFF DC	2-Jul-2021	<0.00001	<0.00001	0.000346	105	0.00017	0.00014	0.00472	0.0033	0.019	0.0031	11	0.0372	0.0129	0.00045	0.00103	8.66	0.00561	<0.00005	2.93	<0.00001	12.6	0.427
MC-EFF DC	3-Jul-2021	<0.00001	<0.00001	0.00042	106	0.00014	0.000218	0.00589	0.0107	<0.01	0.00328	11.9	0.0483	0.0112	0.000556	0.00131	7.9	0.00394	0.000101	2.9	0.000013	12.3	0.423
MC-EFF DC	4-Jul-2021	<0.00001	<0.00001	0.00076	108	0.00016	0.000313	0.00835	0.0228	<0.01	0.00348	12.2	0.0662	0.00912	0.000581	0.00153	6.58	0.00374	<0.00005	3.12	0.000022	12.1	0.444
MC-EFF DC	5-Jul-2021	<0.00001	<0.00001	0.00104	109	0.00017	0.00051	0.0107	0.0453	<0.01	0.00342	11.4	0.102	0.00821	0.000868	0.00209	6.18	0.00357	<0.00005	2.98	0.000026	12	0.429
MC-EFF DC	6-Jul-2021	<0.0001	<0.0001	0.00108	102	<0.0005	0.00047	0.00531	<0.01	<0.05	0.00337	10.6	0.126	0.0102	0.00089	0.00077	6.8	0.00361	<0.0002	2.7	<0.00005	13.2	0.404
MC-EFF DC	7-Jul-2021	<0.0001	<0.0001	0.00123	103	<0.0005	0.00053	0.00493	<0.01	<0.05	0.00344	10.9	0.135	0.00954	0.00097	0.00047	6.71	0.0036	<0.0002	2.5	<0.00005	13.2	0.402
MC-EFF DC	8-Jul-2021	<0.0001	<0.0001	0.00135	102	<0.0005	0.00059	0.00572	<0.01	<0.05	0.00334	10.5	0.142	0.0106	0.0011	0.00056	7.69	0.00458	<0.0002	2.8	<0.00005	14.2	0.394
MC-EFF DC	9-Jul-2021	<0.0001	<0.0001	0.000733	98.7	<0.0005	0.00031	0.00554	<0.01	<0.05	0.00323	9.41	0.0778	0.0124	0.00071	0.00032	8.54	0.00696	<0.0002	2.7	<0.00005	14.6	0.384
MC-EFF DC	10-Jul-2021	<0.0001	<0.0001	0.000405	90.8	<0.0005	0.00021	0.00555	0.012	<0.05	0.00304	8.41	0.0765	0.0119	0.00052	0.00062	8.44	0.00646	<0.0002	2.6	<0.00005	14.9	0.368
MC-EFF DC	11-Jul-2021	<0.0001	<0.0001	0.000258	93.4	<0.0005	0.00013	0.00562	0.017	<0.05	0.00317	8.53	0.0411	0.0119	0.00042	0.00084	8.46	0.00763	<0.0002	2.6	<0.00005	15.2	0.389
MC-EFF DC	12-Jul-2021	<0.0001	<0.0001	0.00027	97.4	<0.0005	<0.0001	0.00664	0.028	<0.05	0.00321	9.18	0.0193	0.0114	<0.0004	0.00116	7.95	0.00798	<0.0002	2.5	<0.00005	15	0.402
MC-EFF DC	13-Jul-2021	<0.0001	<0.0001	0.000292	102	<0.0005	0.00016	0.00936	0.055	<0.05	0.00336	10.6	0.029	0.0104	<0.0004	0.00221	7.6	0.0071	<0.0002	2.6	<0.00005	14.9	0.419

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MC-EFF DC	11-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0499	<0.0001		0.0977	104	<0.0005	<0.05	<0.0001	<0.0001	0.02	0.000369	120	<0.0005	<0.0001	0.00332	<0.01
MC-EFF DC	12-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0012	0.0915	<0.0001		0.125	110	<0.0005	<0.05	<0.0001	<0.0001	0.0214	0.00022	115	<0.0005	<0.0001	0.0029	<0.01
MC-EFF DC	13-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0013	0.0384	<0.0001		0.135	114	<0.0005	<0.05	<0.0001	<0.0001	0.0205	0.000253	123	<0.0005	<0.0001	0.00244	<0.01
MC-EFF DC	14-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0014	0.0365	<0.0001		0.142	118	<0.0005	<0.05	<0.0001	<0.0001	0.0212	0.000239	126	<0.0005	<0.0001	0.00206	<0.01
MC-EFF DC	15-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0015	0.0591	<0.0001		0.121	120	<0.0005	<0.05	<0.0001	<0.0001	0.0206	0.000303	128	<0.0005	<0.0001	0.002	<0.01
MC-EFF DC	16-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	0.0016	0.121	<0.0001		0.143	115	<0.0005	<0.05	<0.0001	<0.0001	0.0221	0.000405	126	<0.0005	0.00017	0.00272	0.092
MC-EFF DC	17-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024	<0.001	0.105	<0.0001		0.133	118	<0.0005	<0.05	<0.0001	<0.0001	0.0232	0.000366	122	<0.0005	0.00014	0.00286	<0.01
MC-EFF DC	18-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.0025	0.0897	<0.0001		0.0296	117	<0.0005	0.0585	<0.0001	<0.0001	0.0242	0.000564	116	<0.0005	0.00014	0.00339	<0.01
MC-EFF DC	19-Mar-2021	<0.0005	0.000022	<0.0001	<0.005	<0.001	<0.00002	<0.0025	0.0775	<0.0001		0.0373	114	<0.0005	0.0575	<0.0001	<0.0001	0.0226	0.000549	115	<0.0005	0.00011	0.00379	<0.01
MC-EFF DC	20-Mar-2021	<0.0005	0.000024	<0.0001	<0.005	<0.001	<0.00002	<0.0025	0.0434	<0.0001		0.0835	121	<0.0005	0.0561	<0.0001	<0.0001	0.0225	0.000362	122	<0.0005	<0.0001	0.00391	<0.01
MC-EFF DC	21-Mar-2021	<0.0005	0.00002	<0.0001	<0.005	<0.001	0.000027	<0.0025	0.0409	<0.0001		0.0928	118	<0.0005	0.0581	<0.0001	<0.0001	0.0212	0.000307	119	<0.0005	<0.0001	0.00637	<0.01
MC-EFF DC	22-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000026	<0.0025	0.0413	<0.0001		0.113	119	<0.0005	0.0589	<0.0001	<0.0001	0.0206	0.00024	119	<0.0005	<0.0001	0.0094	<0.01
MC-EFF DC	23-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	<0.0025	0.0508	<0.0001		0.13	120	<0.0005	0.0617	<0.0001	<0.0001	0.0223	0.000261	117	<0.0005	<0.0001	0.0105	<0.01
MC-EFF DC	24-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00003	<0.0025	0.0498	<0.0001		0.0924	120	<0.0005	0.0601	<0.0001	<0.0001	0.0226	0.000229	117	<0.0005	<0.0001	0.0088	<0.01
MC-EFF DC	25-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.0025	0.0689	<0.0001		0.128	120	<0.0005	0.0587	<0.0001	<0.0001	0.022	0.000321	116	<0.0005	<0.0001	0.00802	<0.01
MC-EFF DC	26-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.0025	0.075	<0.0001		0.143	120	<0.0005	0.0595	<0.0001	<0.0001	0.0225	0.000265	118	<0.0005	<0.0001	0.00772	<0.01
MC-EFF DC	27-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.0025	0.067	<0.0001		0.152	123	<0.0005	0.062	<0.0001	<0.0001	0.0238	0.000239	120	<0.0005	<0.0001	0.00908	<0.01
MC-EFF DC	28-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.0025	0.0895	<0.0001		0.141	116	<0.0005	0.0587	<0.0001	<0.0001	0.0284	0.000251	117	<0.0005	<0.0001	0.00802	<0.01
MC-EFF DC	29-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021	<0.0025	0.0875	<0.0001		0.141	119	<0.0005	0.0539	<0.0001	<0.0001	0.0248	0.000179	118	<0.0005	<0.0001	0.00682	<0.01
MC-EFF DC	30-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000028	<0.0025	0.0951	<0.0001		0.139	113	<0.0005	0.0517	<0.0001	<0.0001	0.0221	0.000185	112	<0.0005	<0.0001	0.00923	<0.01
MC-EFF DC	31-Mar-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0569	<0.0001		0.0978	112	<0.0005	<0.05	<0.0001	<0.0001	0.0214	0.000312	115	<0.0005	<0.0001	0.00481	<0.01
MC-EFF DC	1-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0584	<0.0001		0.111	115	<0.0005	<0.05	<0.0001	<0.0001	0.0204	0.000279	118	<0.0005	<0.0001	0.00321	<0.01
MC-EFF DC	2-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	<0.001	0.0821	<0.0001		0.105	111	<0.0005	<0.05	<0.0001	<0.0001	0.0223	0.000375	111	<0.0005	0.00012	0.00294	<0.01
MC-EFF DC	3-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002	<0.001	0.0996	<0.0001		0.115	97.9	<0.0005	<0.05	<0.0001	<0.0001	0.0228	0.000338	103	<0.0005	0.00011	0.00392	<0.01
MC-EFF DC	4-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002	<0.001	0.0871	<0.0001		0.124	111	<0.0005	<0.05	<0.0001	<0.0001	0.0218	0.000242	111	<0.0005	<0.0001	0.00495	<0.01
MC-EFF DC	5-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.1	0.00011		0.153	124	<0.0005	<0.05	<0.0001	<0.0001	0.022	0.00024	118	<0.0005	<0.0001	0.00611	<0.01
MC-EFF DC	12-Jun-2021	<0.00005	0.000022	<0.00001	<0.0002	<0.0002	0.0000131	0.00021	0.0566	<0.00002		0.0186	89.1	0.000148	0.026	<0.00001	<0.00001	0.0206	0.000263	87.6	0.00019	0.000138	0.00092	<0.002
MC-EFF DC	15-Jun-2021	0.000068	0.0000206	<0.00001	<0.0002	<0.0002	0.0000139	0.00065	0.0748	<0.00002		0.0813	68.1	0.000131	0.0198	<0.00001	<0.00001	0.0193	0.000341	68.3	0.00021	0.0000989	0.00222	<0.002
MC-EFF DC	16-Jun-2021	<0.00005	0.0000171	<0.00001	0.00025	<0.0002	0.0000119	0.00058	0.0735	<0.00002		0.0892	66.3	0.000149	0.0216	<0.00001	<0.00001	0.0191	0.000356	67.2	0.00019	0.0000927	0.00132	<0.002
MC-EFF DC	17-Jun-2021	<0.00005	0.0000167	<0.00001	<0.0002	<0.0002	0.0000156	0.00046	0.109	<0.00002		0.0907	66.3	0.000191	0.0212	<0.00001	<0.00001	0.0206	0.000528	68.1	0.00019	0.000264	0.00223	<0.002
MC-EFF DC	18-Jun-2021	<0.00005	0.0000204	<0.00001	<0.0002	<0.0002	0.0000154	0.00048	0.106	<0.00002		0.0863	69.2	0.000183	0.0205	<0.00001	<0.00001	0.0209	0.000523	71	0.00017	0.000288	0.00277	<0.002
MC-EFF DC	19-Jun-2021	<0.00005	0.0000706	<0.00001	0.0003	<0.0002	0.0000148	0.00046	0.0925	<0.00002		0.0835	82.8	0.000216	0.0239	<0.00001	<0.00001	0.0218	0.000411	82.3	0.0002	0.000214	0.00224	<0.002
MC-EFF DC	20-Jun-2021	<0.00005	0.000103	<0.00001	<0.0002	0.0002	0.0000173	0.00048	0.0851	<0.00002		0.0426	103	0.000255	0.0347	<0.00001	<0.00001	0.0204	0.000376	97.9	0.00021	0.000125	0.00227	<0.002
MC-EFF DC	21-Jun-2021	<0.00005	0.0000673	<0.00001	<0.0002	0.00039	0.0000182	0.00052	0.0962	<0.00002		0.0231	111	0.000423	0.0463	<0.00001	<0.00001	0.0225	0.000396	105	0.00024	0.000128	0.0037	<0.002
MC-EFF DC	22-Jun-2021	<0.00005	0.0000554	<0.00001	<0.0002	0.00054	0.0000367	0.00067	0.0924	<0.00002		0.0268	111	0.000555	0.0531	<0.00001	<0.00001	0.0222	0.000355	102	0.00014	0.000121	0.00573	<0.002
MC-EFF DC	30-Jun-2021	0.000115	0.0000226	<0.00001	<0.0002	0.0006	0.0000144	0.00086	0.0936	<0.00002		0.0294	109	0.000818	0.0575	<0.00001	<0.00001	0.0269	0.00034	98.1	0.00016	0.000167	0.00397	<0.002
MC-EFF DC	1-Jul-2021	<0.00005	0.0000245	<0.00001	<0.0002	0.00064	0.0000145	0.00078	0.0804	<0.00002		0.03	102	0.000714	0.0598	<0.00001	<0.00001	0.0275	0.000291	98.3	0.00016	0.000145	0.0041	<0.002
MC-EFF DC	2-Jul-2021	<0.00005	0.0000244	<0.00001	<0.0002	0.00066	0.0000176	0.00082	0.0798	<0.00002		0.0339	105	0.000664	0.0577	<0.00001	<0.00001	0.0268	0.000328	101	0.00016	0.000133	0.00404	<0.002
MC-EFF DC	3-Jul-2021	<0.00005	0.0000277	<0.00001	<0.0002	0.00056	0.000019	0.00064	0.114	<0.00002		0.041	109	0.000641	0.056	<0.00001	<0.00001	0.0262	0.000403	105	0.00014	0.000184	0.00419	<0.002
MC-EFF DC	4-Jul-2021	<0.00005	0.0000308	<0.00001	<0.0002	0.00051	0.000021	0.0007	0.182	<0.00002		0.0436	108	0.000536	0.0514	<0.00001	<0.00001	0.0262	0.000683	102	0.00014	0.000279	0.00454	<0.002
MC-EFF DC	5-Jul-2021	<0.00005	0.0000288	<0.00001	<0.0002	0.00052	0.0000311	0.00069	0.279	<0.00002		0.0691	111	0.0005	0.0517	<0.00001	<0.00001	0.0262	0.000991	103	0.00015	0.000413	0.00508	0.0039
MC-EFF DC	6-Jul-2021	<0.0005	0.000032	<0.0001	<0.005	<0.001	0.000036	<0.001	0.208	<0.0001		0.0541	111	0.00062	0.06	<0.0001	<0.0001	0.0264	0.000977	107	<0.0005	0.00047	0.00496	<0.01
MC-EFF DC	7-Jul-2021	<0.0005	0.000031	<0.0001	<0.005	<0.001	0.00004	<0.001	0.222	<0.0001		0.0705	107	0.0006	0.059	<0.0001	<0.0001	0.0245	0.00118	106	<0.0005	0.00054	0.00407	<0.01
MC-EFF DC	8-Jul-2021	<0.0005	0.000032	<0.0001	<0.005	<0.001	0.000036	<0.001	0.26	<0.0001		0.0784	102	0.00064	0.0614	<0.0001	<0.0001	0.0252	0.0012	103	<0.0005	0.00055	0.00467	<0.01
MC-EFF DC	9-Jul-2021	<0.0005	0.000028	<0.0001	<0.005	<0.001	0.000028	<0.001	0.134	<0.0001		0.0476	103	0.00062	0.0622	<0.0001	<0.0001	0.0305	0.000652	97.9	<0.0005	0.00031	0.00433	<0.01
MC-EFF DC	10-Jul-2021	<0.0005	0.000027	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0784	<0.0001		0.0368	98	0.00064	0.061	<0.0001	<0.0001	0.0325	0.000362	95.7	<0.0005	0.00018	0.00418	<0.01
MC-EFF DC	11-Jul-2021	<0.0005	0.000026	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.06	<0.0001		0.0494	97.3	0.0006	0.0637	<0.0001	<0.0001	0.039	0.000209	96	<0.0005	0.00012	0.00412	<0.01
MC-EFF DC	12-Jul-2021	<0.0005	0.000025	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0643	<0.0001		0.0486	98.5	0.0006	0.0637	<0.0001	<0.0001	0.0283	0.000216	99.1	<0.0005	<0.0001	0.00428	<0.01
MC-EFF DC	13-Jul-2021	<0.0005	0.000027	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0893	<0.0001		0.0678	109	0.00073	0.0615	<0.0001	<0.0001	0.0275	0.000306	105	<0.0005	0.00014	0.00468	0.011

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MC-EFF DC	11-Mar-2021	<0.05	0.00295	8.74	0.0206	0.0017	0.00054	<0.0002	2.54	0.00163	<0.0005	2.3	0.402	<0.0002	<0.00005	7.96	0.00147	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	12-Mar-2021	<0.05	0.00305	10	0.0171	0.00164	<0.0004	0.00023	2.27	0.00151	<0.0005	2.2	0.407	<0.0002	<0.00005	8.26	0.00139	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	13-Mar-2021	<0.05	0.00332	11.6	0.0197	0.00142	<0.0004	<0.0002	2.24	0.00131	<0.0005	2.3	0.431	<0.0002	<0.00005	9.02	0.00117	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	14-Mar-2021	<0.05	0.00335	11.5	0.0236	0.00147	<0.0004	<0.0002	2.24	0.00145	<0.0005	2.2	0.431	<0.0002	<0.00005	8.97	0.00126	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	15-Mar-2021	<0.05	0.00329	11.1	0.0312	0.00301	0.00044	<0.0002	3.41	0.00434	0.00062	2.5	0.433	<0.0002	<0.00005	9.54	0.00421	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	16-Mar-2021	<0.05	0.00355	11.6	0.0465	0.00595	0.00082	0.00037	5.45	0.00948	0.00105	2.4	0.429	<0.0002	<0.00005	10.1	0.0095	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021
MC-EFF DC	17-Mar-2021	<0.05	0.00374	12.1	0.0513	0.00729	0.00066	<0.0002	6.49	0.0145	0.00112	2.1	0.434	<0.0002	<0.00005	10.8	0.0118	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	18-Mar-2021	<0.05	0.00349	9.89	0.0387	0.00652	0.00045	<0.0002	7.26	0.0124	0.0009	1.9	0.464	<0.0002	<0.00005	10.5	0.012	<0.0005	0.000023	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	19-Mar-2021	<0.05	0.00332	8.45	0.0257	0.00403	<0.0004	<0.0002	6.88	0.00774	0.00071	2.2	0.448	<0.0002	<0.00005	9.75	0.00747	<0.0005	0.000022	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	20-Mar-2021	<0.05	0.0033	8.49	0.0149	0.00228	<0.0004	<0.0002	6.2	0.00459	0.00068	2.1	0.477	<0.0002	<0.00005	9.61	0.00441	<0.0005	0.000022	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	21-Mar-2021	<0.05	0.00354	9.99	0.0161	0.00199	<0.0004	0.00058	5.9	0.00464	0.00054	2.2	0.472	<0.0002	<0.00005	9.59	0.00458	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000027
MC-EFF DC	22-Mar-2021	<0.05	0.00362	11	0.0151	0.00216	0.00058	0.00035	6.13	0.00502	0.00057	2.4	0.467	<0.0002	<0.00005	9.7	0.005	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.00003
MC-EFF DC	23-Mar-2021	<0.05	0.0035	12.3	0.0273	0.0044	0.00047	0.00026	6.5	0.00683	0.00074	2.7	0.461	<0.0002	<0.00005	9.67	0.00658	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	24-Mar-2021	<0.05	0.00355	11.8	0.0257	0.00542	0.00054	0.00028	6.79	0.00716	0.00071	2.5	0.459	<0.0002	<0.00005	9.61	0.00721	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000029
MC-EFF DC	25-Mar-2021	<0.05	0.00354	11.9	0.0269	0.00539	0.00057	<0.0002	7.01	0.00701	0.00063	2.5	0.455	<0.0002	<0.00005	10.1	0.00679	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	26-Mar-2021	<0.05	0.00353	12.1	0.0229	0.00663	0.00079	<0.0002	7.34	0.00776	0.00076	2.4	0.459	<0.0002	<0.00005	10.1	0.00798	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	27-Mar-2021	0.056	0.00346	11.7	0.0175	0.00858	0.0004	0.00024	7.78	0.00932	0.00161	2.8	0.464	<0.0002	<0.00005	10.3	0.00921	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	28-Mar-2021	<0.05	0.00331	10.8	0.0187	0.00698	<0.0004	<0.0002	6.99	0.0081	0.00133	2.5	0.438	<0.0002	<0.00005	9.57	0.00825	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	29-Mar-2021	<0.05	0.00332	10.2	0.0158	0.00339	<0.0004	<0.0002	5.36	0.00517	0.00081	2.4	0.434	<0.0002	<0.00005	9.41	0.00478	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	30-Mar-2021	<0.05	0.00331	11.2	0.0183	0.00326	0.00051	<0.0002	4.63	0.00412	0.00065	2.7	0.43	<0.0002	<0.00005	9.01	0.0041	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021
MC-EFF DC	31-Mar-2021	<0.05	0.00334	11.9	0.0292	0.00498	0.00048	<0.0002	4.77	0.00517	0.00073	2.9	0.454	<0.0002	<0.00005	9	0.00544	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	1-Apr-2021	<0.05	0.00336	12.3	0.0237	0.0043	<0.0004	<0.0002	3.91	0.00406	0.00082	2.8	0.464	<0.0002	<0.00005	8.89	0.00404	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	2-Apr-2021	<0.05	0.00313	12.5	0.0435	0.00397	0.00047	<0.0002	3.51	0.00357	0.00069	2.9	0.443	<0.0002	<0.00005	8.26	0.00383	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021
MC-EFF DC	3-Apr-2021	<0.05	0.00288	11.2	0.034	0.00457	0.00083	<0.0002	3.87	0.00425	0.00059	3	0.42	<0.0002	<0.00005	8	0.00449	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	4-Apr-2021	<0.05	0.003	10.7	0.0254	0.00551	<0.0004	<0.0002	4.67	0.00527	0.00091	3	0.445	<0.0002	<0.00005	8.51	0.00563	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	5-Apr-2021	<0.05	0.00328	10.7	0.0194	0.00716	<0.0004	<0.0002	5.88	0.00693	0.00137	2.9	0.473	<0.0002	<0.00005	9.85	0.0076	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	12-Jun-2021	<0.01	0.00259	12.6	0.0517	0.000757	0.000502	0.000087	1.26	0.000563	0.00038	2.28	0.36	<0.00005	<0.00001	7.64	0.000554	<0.00005	0.0000224	<0.00001	<0.0002	<0.0002	0.0000153
MC-EFF DC	15-Jun-2021	<0.01	0.00223	9.89	0.0264	0.00068	0.00043	0.000162	1.15	0.000611	0.00046	1.89	0.29	<0.00005	<0.00001	6.93	0.000548	<0.00005	0.0000184	<0.00001	<0.0002	<0.0002	0.0000102
MC-EFF DC	16-Jun-2021	<0.01	0.00214	9.14	0.0302	0.000832	0.00025	0.0001	1.16	0.000671	0.00042	1.91	0.293	<0.00005	<0.00001	6.71	0.000609	<0.00005	0.0000155	<0.00001	<0.0002	<0.0002	0.0000097
MC-EFF DC	17-Jun-2021	<0.01	0.00205	10.1	0.119	0.000747	0.000648	0.000111	1.09	0.000592	0.00032	2.06	0.289	<0.00005	<0.00001	6.64	0.000542	<0.00005	0.0000147	<0.00001	<0.0002	<0.0002	0.000012
MC-EFF DC	18-Jun-2021	<0.01	0.00216	11.1	0.137	0.000727	0.000999	0.000097	1.09	0.000665	0.0004	2.15	0.285	<0.00005	<0.00001	7.51	0.000554	<0.00005	0.0000171	<0.00001	<0.0002	<0.0002	0.0000135
MC-EFF DC	19-Jun-2021	<0.01	0.00283	11.1	0.106	0.00106	0.00089	0.000105	1.76	0.0011	0.00049	1.91	0.325	<0.00005	<0.00001	11.8	0.000981	<0.00005	0.0000623	<0.00001	<0.0002	<0.0002	0.0000138
MC-EFF DC	20-Jun-2021	0.012	0.00366	11	0.0449	0.00428	0.000533	0.000115	4.29	0.00404	0.0012	1.88	0.38	<0.00005	<0.00001	16.3	0.00361	0.000067	0.0000931	<0.00001	<0.0002	<0.0002	0.0000135
MC-EFF DC	21-Jun-2021	<0.01	0.00376	12	0.0453	0.0085	0.000458	0.000144	7.04	0.008	0.00211	2.25	0.421	<0.00005	<0.00001	16.4	0.00762	<0.00005	0.000064	<0.00001	<0.0002	0.00039	0.0000125
MC-EFF DC	22-Jun-2021	<0.01	0.00353	11.7	0.0416	0.0108	0.000429	0.000175	8.28	0.0103	0.00422	2.18	0.413	<0.00005	0.000021	15.6	0.00953	0.000056	0.0000449	<0.00001	<0.0002	0.00051	0.0000156
MC-EFF DC	30-Jun-2021	<0.01	0.00321	10.1	0.0323	0.0125	0.000464	0.00049	8.66	0.0143	0.0041	2.65	0.399	<0.00005	<0.00001	13.3	0.014	<0.00005	0.0000228	<0.00001	<0.0002	0.00055	0.0000126
MC-EFF DC	1-Jul-2021	<0.01	0.00311	9.55	0.0315	0.013	0.000326	0.000446	8.74	0.0152	0.00449	2.49	0.407	0.000051	<0.00001	12.8	0.0147	<0.00005	0.0000237	<0.00001	<0.0002	0.00064	0.0000131
MC-EFF DC	2-Jul-2021	<0.01	0.00302	10.4	0.0345	0.012	0.000347	0.000388	8.23	0.0145	0.00659	2.26	0.4	<0.00005	<0.00001	12	0.0135	<0.00005	0.0000228	<0.00001	<0.0002	0.00058	0.0000151
MC-EFF DC	3-Jul-2021	<0.01	0.00322	11.8	0.0453	0.0109	0.000433	0.000556	7.88	0.0121	0.00547	2.56	0.411	0.000087	<0.00001	12.2	0.0117	<0.00005	0.0000263	<0.00001	<0.0002	0.00053	0.0000151
MC-EFF DC	4-Jul-2021	<0.01	0.00329	11.5	0.0598	0.00861	0.000554	0.000443	6.17	0.00947	0.00496	2.48	0.42	<0.00005	<0.00001	11.4	0.00903	<0.00005	0.0000279	<0.00001	<0.0002	0.00044	0.0000186
MC-EFF DC	5-Jul-2021	<0.01	0.00334	11.8	0.0919	0.00818	0.000832	0.000269	6.13	0.00852	0.00314	2.71	0.419	<0.00005	0.000026	12.1	0.00819	<0.00005	0.0000272	<0.00001	<0.0002	0.00046	0.000025
MC-EFF DC	6-Jul-2021	<0.05	0.0036	11.1	0.129	0.0103	0.00144	0.00049	7.06	0.0105	0.00365	2.8	0.418	<0.0002	<0.00005	13.9	0.0103	<0.0005	0.000031	<0.0001	<0.005	<0.001	0.000027
MC-EFF DC	7-Jul-2021	<0.05	0.00363	10.9	0.137	0.00969	0.00103	0.00029	6.74	0.0104	0.00315	2.9	0.406	<0.0002	<0.00005	13.5	0.0101	<0.0005	0.000037	<0.0001	<0.005	<0.001	0.000053
MC-EFF DC	8-Jul-2021	<0.05	0.0035	10.4	0.138	0.0106	0.0012	0.00032	7.57	0.0131	0.00434	2.8	0.391	<0.0002	<0.00005	14.3	0.0123	<0.0005	0.000026	<0.0001	<0.005	<0.001	0.000026
MC-EFF DC	9-Jul-2021	<0.05	0.0034	9.5	0.0754	0.0119	0.0008	0.00024	8.49	0.0159	0.00662	2.5	0.379	<0.0002	<0.00005	14.9	0.0147	<0.0005	0.000023	<0.0001	<0.005	<0.001	0.00002
MC-EFF DC	10-Jul-2021	<0.05	0.00328	8.58	0.0745	0.012	0.00071	0.00026	8.45	0.0153	0.00662	2.7	0.379	<0.0002	<0.00005	15.3	0.0146	<0.0005	0.000025	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	11-Jul-2021	<0.05	0.00334	8.68	0.0399	0.0119	0.00041	0.00038	8.43	0.0151	0.00786	2.6	0.391	0.00033	<0.00005	15.6	0.0144	<0.0005	0.000021	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	12-Jul-2021	<0.05	0.00337	9.33	0.0161	0.0111	<0.0004	0.00053	8.02	0.0143	0.00775	2.6	0.4	0.00075	0.000064	15.3	0.0138	<0.0005	0.000023	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	13-Jul-2021	<0.05	0.00339	10.8	0.0233	0.0103	0.00049	0.00026	7.63	0.013	0.0066	2.5	0.422	<0.0002	0.000064	15.2	0.0126	<0.0005	0.000026	<0.0001	<0.005	<0.001	<0.00002

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MC-EFF DC	11-Mar-2021	<0.001	0.0362	<0.0001					
MC-EFF DC	12-Mar-2021	<0.001	0.0258	<0.0001					
MC-EFF DC	13-Mar-2021	0.0011	0.0299	<0.0001					
MC-EFF DC	14-Mar-2021	0.0012	0.0233	<0.0001					
MC-EFF DC	15-Mar-2021	0.0013	0.0371	<0.0001					
MC-EFF DC	16-Mar-2021	0.0014	0.0567	<0.0001					
MC-EFF DC	17-Mar-2021	0.0013	0.046	<0.0001					
MC-EFF DC	18-Mar-2021	<0.001	0.0878	<0.0001					
MC-EFF DC	19-Mar-2021	<0.001	0.076	<0.0001					
MC-EFF DC	20-Mar-2021	<0.001	0.0352	<0.0001					
MC-EFF DC	21-Mar-2021	<0.001	0.0312	<0.0001					
MC-EFF DC	22-Mar-2021	<0.001	0.0283	<0.0001					
MC-EFF DC	23-Mar-2021	<0.001	0.0306	<0.0001					
MC-EFF DC	24-Mar-2021	<0.001	0.0275	<0.0001					
MC-EFF DC	25-Mar-2021	<0.001	0.0404	<0.0001					
MC-EFF DC	26-Mar-2021	<0.001	0.0294	<0.0001					
MC-EFF DC	27-Mar-2021	<0.001	0.0256	<0.0001					
MC-EFF DC	28-Mar-2021	<0.001	0.0245	<0.0001					
MC-EFF DC	29-Mar-2021	<0.001	0.0198	<0.0001					
MC-EFF DC	30-Mar-2021	<0.001	0.0208	<0.0001					
MC-EFF DC	31-Mar-2021	<0.001	0.0427	<0.0001					
MC-EFF DC	1-Apr-2021	<0.001	0.035	<0.0001					
MC-EFF DC	2-Apr-2021	<0.001	0.0509	<0.0001					
MC-EFF DC	3-Apr-2021	<0.001	0.0489	<0.0001					
MC-EFF DC	4-Apr-2021	<0.001	0.033	<0.0001					
MC-EFF DC	5-Apr-2021	<0.001	0.0289	<0.0001					
MC-EFF DC	12-Jun-2021	<0.0002	0.0547	<0.00002					
MC-EFF DC	15-Jun-2021	0.00028	0.0575	<0.00002					
MC-EFF DC	16-Jun-2021	0.00033	0.0534	<0.00002					
MC-EFF DC	17-Jun-2021	0.0003	0.0856	<0.00002					
MC-EFF DC	18-Jun-2021	0.00029	0.0772	<0.00002					
MC-EFF DC	19-Jun-2021	0.00029	0.0654	<0.00002					
MC-EFF DC	20-Jun-2021	0.00031	0.0628	<0.00002					
MC-EFF DC	21-Jun-2021	0.00049	0.0719	<0.00002					
MC-EFF DC	22-Jun-2021	0.00046	0.067	<0.00002					
MC-EFF DC	30-Jun-2021	0.00051	0.0936	<0.00002					
MC-EFF DC	1-Jul-2021	0.00057	0.0758	<0.00002					
MC-EFF DC	2-Jul-2021	0.00058	0.0744	<0.00002					
MC-EFF DC	3-Jul-2021	0.00047	0.103	<0.00002					
MC-EFF DC	4-Jul-2021	0.00045	0.156	<0.00002					
MC-EFF DC	5-Jul-2021	0.00047	0.231	<0.00002					
MC-EFF DC	6-Jul-2021	<0.001	0.208	<0.0001					
MC-EFF DC	7-Jul-2021	<0.001	0.217	<0.0001					
MC-EFF DC	8-Jul-2021	<0.001	0.244	<0.0001					
MC-EFF DC	9-Jul-2021	<0.001	0.133	<0.0001					
MC-EFF DC	10-Jul-2021	<0.001	0.079	<0.0001					
MC-EFF DC	11-Jul-2021	<0.001	0.0541	0.00139					
MC-EFF DC	12-Jul-2021	<0.001	0.0499	<0.0001					
MC-EFF DC	13-Jul-2021	<0.001	0.0601	<0.0001					

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21G2913	1	No	Regular	MC-EFF DC	MC-EFF DC	14-Jul-2021										
21G2913	2	No	Regular	MC-EFF DC	MC-EFF DC	15-Jul-2021										
21G2913	3	No	Regular	MC-EFF DC	MC-EFF DC	16-Jul-2021										
21G2913	4	No	Regular	MC-EFF DC	MC-EFF DC	17-Jul-2021										
21G2913	5	No	Regular	MC-EFF DC	MC-EFF DC	18-Jul-2021										
21G2913	6	No	Regular	MC-EFF DC	MC-EFF DC	19-Jul-2021										
21G2913	7	No	Regular	MC-EFF DC	MC-EFF DC	20-Jul-2021										
21G3654	1	No	Regular	MC-EFF DC	MC-EFF DC	21-Jul-2021										
21G3654	2	No	Regular	MC-EFF DC	MC-EFF DC	22-Jul-2021										
21G3654	3	No	Regular	MC-EFF DC	MC-EFF DC	23-Jul-2021										
21G3654	4	No	Regular	MC-EFF DC	MC-EFF DC	24-Jul-2021										
21G3654	5	No	Regular	MC-EFF DC	MC-EFF DC	25-Jul-2021										
21G3654	6	No	Regular	MC-EFF DC	MC-EFF DC	26-Jul-2021										
21H1501	1	No	Regular	MC-EFF DC	MC-EFF DC	4-Aug-2021										
21H1501	2	No	Regular	MC-EFF DC	MC-EFF DC	5-Aug-2021										
21H1501	3	No	Regular	MC-EFF DC	MC-EFF DC	6-Aug-2021										
21H1501	4	No	Regular	MC-EFF DC	MC-EFF DC	7-Aug-2021										
21H1501	5	No	Regular	MC-EFF DC	MC-EFF DC	8-Aug-2021										
21H1501	6	No	Regular	MC-EFF DC	MC-EFF DC	9-Aug-2021										
21H1501	7	No	Regular	MC-EFF DC	MC-EFF DC	10-Aug-2021										
21H2461	1	No	Regular	MC-EFF DC	MC-EFF DC	11-Aug-2021										
21H2461	2	No	Regular	MC-EFF DC	MC-EFF DC	12-Aug-2021										
21H2461	3	No	Regular	MC-EFF DC	MC-EFF DC	13-Aug-2021										
21H2461	4	No	Regular	MC-EFF DC	MC-EFF DC	14-Aug-2021										
21H2461	5	No	Regular	MC-EFF DC	MC-EFF DC	15-Aug-2021										
21H2461	6	No	Regular	MC-EFF DC	MC-EFF DC	16-Aug-2021										
21I0478	1	No	Regular	MC-EFF DC	MC-EFF DC	24-Aug-2021										
21I0478	2	No	Regular	MC-EFF DC	MC-EFF DC	25-Aug-2021										
21I0478	3	No	Regular	MC-EFF DC	MC-EFF DC	26-Aug-2021										
21I0478	4	No	Regular	MC-EFF DC	MC-EFF DC	27-Aug-2021										
21I0478	5	No	Regular	MC-EFF DC	MC-EFF DC	28-Aug-2021										
21I0478	6	No	Regular	MC-EFF DC	MC-EFF DC	29-Aug-2021										
21I0478	7	No	Regular	MC-EFF DC	MC-EFF DC	30-Aug-2021										
21K2014	1	No	Regular	MC-EFF DC	MC-EFF DC	2-Nov-2021										
21K2014	2	No	Regular	MC-EFF DC	MC-EFF DC	3-Nov-2021										
21K2014	3	No	Regular	MC-EFF DC	MC-EFF DC	4-Nov-2021										
21K2014	4	No	Regular	MC-EFF DC	MC-EFF DC	5-Nov-2021										
21K2014	5	No	Regular	MC-EFF DC	MC-EFF DC	6-Nov-2021										
21K2014	6	No	Regular	MC-EFF DC	MC-EFF DC	7-Nov-2021										
21K2014	7	No	Regular	MC-EFF DC	MC-EFF DC	8-Nov-2021										
21G1783	9	No	Regular	MC-EFF DC REP	MC-EFF DC REP	13-Jul-2021										
21F3442	9	No	Regular	MC-EFF EB	MC-EFF EB	22-Jun-2021										
21I2669	2	No	Regular	MC-Near 25	MC-Near 25	17-Sep-2021	6.85	24.5				27		9.1	<1	9.1
21J2087	8	No	Regular	MC-TP4 BB	MC-TP4 BB	11-Oct-2021										
21F0686	8	No	Regular	MC-TP4 D	MC-TP4 D	2-Jun-2021	6.4	46.9						7.5	<1	7.5
21K2057	5	No	Regular	MC-TP4 D	MC-TP4 D	15-Nov-2021	7.21	61.6						12.3	<1	12.3
21F3417	9	No	Regular	MC-TP4 EB	MC-TP4 EB	22-Jun-2021										
21H2463	8	No	Regular	MC-TP4 EB	MC-TP4 EB	17-Aug-2021										
21L0716	8	No	Regular	MC-TP4 EQPB Pre	MC-TP4 EQPB Pre	30-Nov-2021										

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+ Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MC-EFF DC	14-Jul-2021															0.0869	120	0.000767	0.0585	0.0282
MC-EFF DC	15-Jul-2021															0.078	129	0.000776	0.0639	0.0252
MC-EFF DC	16-Jul-2021															0.0869	129	0.000834	0.0675	0.0241
MC-EFF DC	17-Jul-2021															0.135	129	0.000802	0.0701	0.0295
MC-EFF DC	18-Jul-2021															0.174	121	0.000692	0.0644	0.0282
MC-EFF DC	19-Jul-2021															0.214	113	0.000592	0.0513	0.0227
MC-EFF DC	20-Jul-2021															0.252	121	0.000851	0.0543	0.0264
MC-EFF DC	21-Jul-2021															0.0765	107	0.00101	0.0596	0.0292
MC-EFF DC	22-Jul-2021															0.0598	120	0.000877	0.0629	0.0264
MC-EFF DC	23-Jul-2021															0.14	128	0.000866	0.0696	0.0251
MC-EFF DC	24-Jul-2021															0.156	135	0.000828	0.0679	0.0261
MC-EFF DC	25-Jul-2021															0.149	129	0.000831	0.0622	0.0296
MC-EFF DC	26-Jul-2021															0.179	123	0.000902	0.0602	0.0297
MC-EFF DC	4-Aug-2021															0.0825	140	0.000593	0.0568	0.0248
MC-EFF DC	5-Aug-2021															0.0831	140	0.000478	0.0542	0.0255
MC-EFF DC	6-Aug-2021															0.113	139	0.000447	0.0535	0.0268
MC-EFF DC	7-Aug-2021															0.139	138	0.000482	0.0545	0.0267
MC-EFF DC	8-Aug-2021															0.131	139	0.000574	0.0597	0.0286
MC-EFF DC	9-Aug-2021															0.172	139	0.000681	0.0635	0.0323
MC-EFF DC	10-Aug-2021															0.171	141	0.000673	0.0618	0.0454
MC-EFF DC	11-Aug-2021															0.0951	135	0.00069	0.0693	0.0382
MC-EFF DC	12-Aug-2021															0.0693	127	0.00058	0.0659	0.032
MC-EFF DC	13-Aug-2021															0.106	136	0.00057	0.0666	0.0307
MC-EFF DC	14-Aug-2021															0.0985	131	<0.0005	0.0606	0.0258
MC-EFF DC	15-Aug-2021															0.11	133	0.00066	0.0702	0.0332
MC-EFF DC	16-Aug-2021															0.172	150	0.00107	0.0816	0.0365
MC-EFF DC	24-Aug-2021															0.0312	158	0.00084	0.0918	0.0277
MC-EFF DC	25-Aug-2021															0.0567	155	0.00075	0.0923	0.0304
MC-EFF DC	26-Aug-2021															0.0703	156	0.00072	0.0898	0.0322
MC-EFF DC	27-Aug-2021															0.0725	154	0.00073	0.0849	0.0276
MC-EFF DC	28-Aug-2021															0.0729	161	0.00072	0.0899	0.0277
MC-EFF DC	29-Aug-2021															0.102	164	0.00065	0.092	0.0307
MC-EFF DC	30-Aug-2021															0.079	140	0.00073	0.0879	0.0252
MC-EFF DC	2-Nov-2021															0.156	156	<0.0005	<0.05	0.0297
MC-EFF DC	3-Nov-2021															0.385	126	0.00099	<0.05	0.0396
MC-EFF DC	4-Nov-2021															0.673	119	0.00082	<0.05	0.057
MC-EFF DC	5-Nov-2021															0.931	109	0.00096	<0.05	0.0731
MC-EFF DC	6-Nov-2021															0.881	107	0.00065	<0.05	0.0474
MC-EFF DC	7-Nov-2021															0.539	121	0.00061	<0.05	0.036
MC-EFF DC	8-Nov-2021															0.495	145	<0.0005	<0.05	0.0356
MC-EFF DC REP	13-Jul-2021															0.215	114	0.0008	0.064	0.0385
MC-EFF EB	22-Jun-2021															0.0055	<1	<0.00005	<0.002	0.00226
MC-Near 25	17-Sep-2021	<1	<1	0.5	<0.1	2		0.0435	0.0435	<0.005	<0.05	0.0257	<0.005			0.44	<1	0.000791	0.0105	0.0362
MC-TP4 BB	11-Oct-2021															<0.002	<1	<0.00005	<0.002	<0.0001
MC-TP4 D	2-Jun-2021	<1	<1	0.55	<0.1	7.7										0.0528	<3	<0.0005	<0.05	<0.005
MC-TP4 D	15-Nov-2021	<1	<1	1.35	<0.1	13.7										0.0954	5.5	<0.0005	<0.05	0.0061
MC-TP4 EB	22-Jun-2021															0.003	<1	<0.00005	<0.002	0.00024
MC-TP4 EB	17-Aug-2021															<0.002	<1	<0.00005	<0.002	<0.0001
MC-TP4 EQPB Pre	30-Nov-2021																			

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MC-EFF DC	14-Jul-2021	<0.00001	<0.00001	0.000291	111	0.00015	0.000113	0.00422	0.0105	<0.01	0.00313	11	0.029	0.0101	0.000319	0.000562	7.66	0.00704	0.000064	2.67	0.000016	14.3	0.439
MC-EFF DC	15-Jul-2021	<0.00001	<0.00001	0.000262	116	0.00023	0.000105	0.00433	0.0074	<0.01	0.00337	11.5	0.031	0.011	0.000269	0.000334	8.15	0.00763	<0.00005	2.76	<0.00001	15.5	0.451
MC-EFF DC	16-Jul-2021	<0.00001	<0.00001	0.000283	117	0.00017	0.000114	0.00622	0.0078	<0.01	0.00347	11	0.031	0.012	0.000263	0.000414	8.81	0.00873	<0.00005	2.92	0.00001	16.4	0.445
MC-EFF DC	17-Jul-2021	<0.00001	<0.00001	0.000246	115	0.00017	0.000157	0.00636	0.013	0.015	0.00336	10.2	0.0325	0.0137	0.000371	0.000478	9.65	0.00862	<0.00005	3.04	0.000034	17.4	0.427
MC-EFF DC	18-Jul-2021	<0.00001	<0.00001	0.000169	107	0.00018	0.000125	0.00706	0.0152	0.014	0.00314	9.73	0.0248	0.0127	0.000306	0.000544	8.59	0.00764	<0.00005	2.9	0.000039	16	0.399
MC-EFF DC	19-Jul-2021	<0.00001	<0.00001	0.000272	97.4	0.00019	0.000175	0.00886	0.0199	<0.01	0.00279	9.38	0.0335	0.0108	0.000405	0.000578	7.7	0.00674	<0.00005	3.14	0.000031	14.3	0.363
MC-EFF DC	20-Jul-2021	<0.00001	<0.00001	0.000381	97.6	0.00018	0.00025	0.0133	0.0479	0.013	0.00282	8.07	0.0419	0.0147	0.000852	0.0014	8.6	0.00909	<0.00005	3	0.000052	16.9	0.351
MC-EFF DC	21-Jul-2021	<0.00001	<0.00001	0.000294	109	0.0002	0.000134	0.0047	0.0088	0.017	0.00313	8.77	0.0293	0.0163	0.00028	0.00038	9.34	0.0067	0.000069	2.81	0.000015	19.4	0.388
MC-EFF DC	22-Jul-2021	<0.00001	<0.00001	0.000254	118	0.00019	0.000149	0.00483	0.01	0.024	0.00376	11.1	0.034	0.014	0.00028	0.000424	8.72	0.00557	0.000062	2.92	0.000021	19.5	0.433
MC-EFF DC	23-Jul-2021	<0.00001	<0.00001	0.000198	136	0.00017	0.000121	0.00504	0.0085	0.026	0.00456	12.6	0.0297	0.0135	0.000295	0.000302	8.59	0.0048	<0.00005	2.94	0.000051	19.6	0.468
MC-EFF DC	24-Jul-2021	<0.00001	<0.00001	0.000244	135	0.00019	0.000137	0.00618	0.0149	0.016	0.00464	13.9	0.0347	0.0123	0.000382	0.000506	8.29	0.00624	<0.00005	3.04	0.000055	19.5	0.508
MC-EFF DC	25-Jul-2021	<0.00001	<0.00001	0.000282	129	0.00021	0.000152	0.00891	0.0361	0.019	0.00443	12.6	0.0363	0.0118	0.000314	0.00111	7.71	0.00683	0.000062	3.04	0.000065	19	0.496
MC-EFF DC	26-Jul-2021	<0.00001	<0.00001	0.000265	125	0.00021	0.000165	0.0117	0.0623	0.021	0.00416	10.3	0.0301	0.0127	0.000288	0.00162	7.6	0.00732	<0.00005	2.99	0.000055	19.2	0.475
MC-EFF DC	4-Aug-2021	<0.00001	<0.00001	0.000223	120	0.00019	0.00018	0.00573	0.0152	0.011	0.00405	10.6	0.0408	0.013	0.00044	0.000592	8.87	0.0051	0.00032	3.05	0.000011	20.6	0.406
MC-EFF DC	5-Aug-2021	<0.00001	<0.00001	0.000232	121	0.00022	0.00018	0.00593	0.0145	<0.01	0.0041	10.8	0.0406	0.0117	0.000531	0.000415	8.35	0.00476	0.000162	3.18	0.000192	19.5	0.425
MC-EFF DC	6-Aug-2021	<0.00001	<0.00001	0.000254	120	0.0002	0.00019	0.0074	0.0215	0.012	0.00404	10.8	0.0388	0.0117	0.000601	0.000459	8.41	0.00299	<0.00005	3.19	0.000041	18.8	0.426
MC-EFF DC	7-Aug-2021	<0.00001	<0.00001	0.000271	120	0.00018	0.00018	0.00923	0.0096	0.011	0.00397	11	0.0362	0.0121	0.000603	0.000331	8.89	0.00387	0.000076	3.02	0.000086	19.1	0.426
MC-EFF DC	8-Aug-2021	<0.00001	<0.00001	0.000289	121	0.00021	0.000206	0.00884	0.0132	0.011	0.00396	11	0.0427	0.0125	0.000748	0.000562	9.23	0.0047	0.000254	3.22	0.000094	19.6	0.425
MC-EFF DC	9-Aug-2021	<0.00001	<0.00001	0.00031	121	0.00023	0.000266	0.0102	0.0229	0.014	0.00388	11.1	0.062	0.0131	0.000634	0.000915	9.61	0.00484	0.000057	3.29	0.000118	20.3	0.428
MC-EFF DC	10-Aug-2021	<0.00001	<0.00001	0.000276	117	0.0003	0.000267	0.0113	0.0236	<0.01	0.00379	11.1	0.0672	0.0121	0.000683	0.000885	9.18	0.0047	0.000104	3.31	0.000088	19.9	0.419
MC-EFF DC	11-Aug-2021	<0.0001	<0.0001	0.00031	124	<0.0005	0.00026	0.00655	0.012	<0.05	0.00439	14	0.0619	0.0115	0.00117	0.00044	9.1	0.00293	<0.0002	3.2	<0.00005	21.4	0.467
MC-EFF DC	12-Aug-2021	<0.0001	<0.0001	0.000231	114	<0.0005	0.00018	0.00568	<0.01	<0.05	0.00409	12.8	0.0489	0.0109	0.00064	0.00045	8.69	0.00291	<0.0002	3.5	<0.00005	20.6	0.456
MC-EFF DC	13-Aug-2021	<0.0001	<0.0001	0.000128	113	<0.0005	0.00015	0.00574	0.011	<0.05	0.00409	12.8	0.0332	0.0107	0.00053	0.00031	8.91	0.00302	<0.0002	3.7	<0.00005	21.1	0.462
MC-EFF DC	14-Aug-2021	<0.0001	<0.0001	0.000148	113	<0.0005	0.00013	0.00545	0.01	<0.05	0.00411	12.1	0.0362	0.00798	0.00051	0.00047	7.33	0.00226	<0.0002	3.4	<0.00005	19.4	0.447
MC-EFF DC	15-Aug-2021	<0.0001	<0.0001	0.000403	121	<0.0005	0.0003	0.0099	0.02	<0.05	0.00459	13.1	0.0863	0.011	0.00081	0.00078	9.45	0.00412	<0.0002	3.4	0.000138	21.1	0.472
MC-EFF DC	16-Aug-2021	<0.0001	<0.0001	0.000501	124	<0.0005	0.00041	0.016	0.03	<0.05	0.0048	14.2	0.112	0.0169	0.00118	0.00141	13.2	0.0074	<0.0002	3.3	0.000279	25.9	0.5
MC-EFF DC	24-Aug-2021	<0.0001	<0.0001	0.000289	148	<0.0005	0.00021	0.00537	<0.01	<0.05	0.00494	14.2	0.0364	0.0133	0.00157	0.00029	11.3	0.00216	<0.0002	3.6	<0.00005	27.8	0.531
MC-EFF DC	25-Aug-2021	<0.0001	<0.0001	0.000292	143	<0.0005	0.00026	0.00733	<0.01	<0.05	0.00489	13.5	0.0457	0.014	0.00065	0.00039	11.6	0.00222	<0.0002	3.5	<0.00005	28.4	0.509
MC-EFF DC	26-Aug-2021	<0.0001	<0.0001	0.000206	144	<0.0005	0.00016	0.00742	<0.01	<0.05	0.00473	13.2	0.0255	0.0132	0.00051	0.00048	10.7	0.00313	<0.0002	3.7	<0.00005	27.1	0.492
MC-EFF DC	27-Aug-2021	<0.0001	<0.0001	0.000173	143	<0.0005	0.00014	0.00774	<0.01	<0.05	0.00458	13.6	0.022	0.0125	<0.0004	0.00038	10.1	0.00318	<0.0002	3.8	<0.00005	25	0.484
MC-EFF DC	28-Aug-2021	<0.0001	<0.0001	0.000182	151	<0.0005	0.00017	0.00975	0.011	<0.05	0.00508	14.6	0.0266	0.0124	<0.0004	0.00056	10.7	0.00416	<0.0002	3.7	0.000072	25.3	0.523
MC-EFF DC	29-Aug-2021	<0.0001	<0.0001	0.000157	152	<0.0005	0.00015	0.00677	0.017	<0.05	0.00552	15	0.0229	0.0111	<0.0004	0.00055	9.91	0.00358	<0.0002	3.8	<0.00005	24.5	0.559
MC-EFF DC	30-Aug-2021	<0.0001	<0.0001	0.000262	128	<0.0005	0.00021	0.00907	0.01	<0.05	0.00424	12	0.0323	0.0129	0.00078	0.00114	10.3	0.00234	<0.0002	3.5	<0.00005	25.5	0.464
MC-EFF DC	2-Nov-2021	<0.0001	<0.0001	0.000934	139	<0.0005	0.00037	0.0133	0.037	<0.05	0.00401	13	0.0879	0.00168	0.00086	0.00129	3.2	0.001	<0.0002	2.2	<0.00005	10.2	0.419
MC-EFF DC	3-Nov-2021	<0.0001	<0.0001	0.00154	137	0.00075	0.00055	0.0352	0.239	<0.05	0.00391	12.6	0.0854	0.00154	0.00388	0.00964	4.3	0.00067	<0.0002	1.5	<0.00005	10.4	0.376
MC-EFF DC	4-Nov-2021	<0.0001	<0.0001	0.00182	136	0.00065	0.00067	0.0484	0.351	<0.05	0.00389	7.23	0.0837	0.00151	0.00113	0.0158	3.94	0.0008	0.00041	1.5	<0.00005	9.31	0.349
MC-EFF DC	5-Nov-2021	<0.0001	<0.0001	0.00131	130	<0.0005	0.0005	0.0397	0.313	<0.05	0.00339	6.38	0.068	0.0016	0.00091	0.0151	2.94	0.00104	<0.0002	1.1	<0.00005	7.73	0.32
MC-EFF DC	6-Nov-2021	<0.0001	<0.0001	0.00121	124	<0.0005	0.00049	0.034	0.267	<0.05	0.00333	7.22	0.0684	0.00168	0.00147	0.01	2.91	0.0009	<0.0002	1.3	<0.00005	7.65	0.3
MC-EFF DC	7-Nov-2021	<0.0001	<0.0001	0.000597	132	0.0008	0.00034	0.0182	0.118	<0.05	0.00357	10.4	0.0691	0.00238	0.00107	0.00427	5.04	0.00121	<0.0002	1.9	<0.00005	10.7	0.349
MC-EFF DC	8-Nov-2021	<0.0001	<0.0001	0.000618	133	<0.0005	0.0003	0.0187	0.116	<0.05	0.00394	10.4	0.0592	0.00233	<0.0004	0.00526	4.77	0.00153	<0.0002	2.1	<0.00005	10.8	0.364
MC-EFF DC REP	13-Jul-2021	<0.0001	<0.0001	0.000297	104	<0.0005	0.00016	0.00903	0.055	<0.05	0.00328	10.9	0.0293	0.0106	<0.0004	0.00214	7.69	0.00699	<0.0002	2.6	<0.00005	15.1	0.421
MC-EFF EB	22-Jun-2021	<0.00001	<0.00001	<0.000002	<0.04	0.00012	<0.000005	0.00041	0.0061	<0.01	<0.00005	<0.005	0.00015	<0.00001	<0.00004	0.000324	<0.01	<0.0001	<0.00005	<0.1	<0.00001	<0.02	<0.0001
MC-Near 25	17-Sep-2021	<0.00001	0.00002	0.000235	3.84	0.00056	0.000302	0.00933	0.658	0.01	0.000158	0.367	0.0203	0.000313	0.000388	0.0158	0.098	<0.0001	<0.00005	1.45	0.000073	0.516	0.00852
MC-TP4 BB	11-Oct-2021	<0.00001	<0.00001	0.000002	<0.04	0.00027	<0.000005	<0.0002	<0.002	<0.01	<0.00005	<0.005	0.000812	<0.00001	0.000169	<0.00005	<0.01	<0.0001	<0.00005	<0.1	<0.00001	<0.02	<0.0001
MC-TP4 D	2-Jun-2021	<0.0001	<0.0001	0.000034	6	<0.0005	<0.0001	0.00101	0.015	<0.05	0.00015	0.351	0.00248	0.00044	<0.0004	<0.0002	0.19	<0.0005	<0.0002	<1	<0.00005	1.05	0.0145
MC-TP4 D	15-Nov-2021	<0.0001	<0.0001	0.000163	10.1	<0.0005	<0.0001	0.00388	0.019	<0.05	0.00017	0.652	0.00767	0.00042	<0.0004	0.00034	0.21	<0.0005	<0.0002	1.1	<0.00005	1.06	0.0201
MC-TP4 EB	22-Jun-2021	<0.00001	<0.00001	<0.000002	<0.04	0.00013	<0.000005	<0.0002	0.0049	<0.01	<0.00005	<0.005	0.000061	<0.00001	<0.00004	0.000219	<0.01	<0.0001	<0.00005	<0.1	<0.00001	<0.02	<0.0001
MC-TP4 EB	17-Aug-2021	<0.00001	<0.00001	<0.000002	<0.04	0.00011	<0.000005	<0.0002	<0.002	<0.01	<0.00005	<0.005	0.000566	0.000012	<0.00004	<0.00005	<0.01	<0.0001	<0.00005	<0.1	<0.00001	<0.02	<0.0001
MC-TP4 EQPB Pre	30-Nov-2021																						

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MC-EFF DC	14-Jul-2021	0.000081	0.0000265	<0.00001	<0.0002	0.00073	0.0000112	0.0005	0.0587	<0.00002		0.0256	123	0.000724	0.0612	<0.00001	<0.00001	0.0272	0.000297	119	0.00015	0.000114	0.00343	<0.002
MC-EFF DC	15-Jul-2021	<0.00005	0.0000265	<0.00001	<0.0002	0.00081	0.0000155	0.0005	0.0467	<0.00002		0.0447	128	0.00073	0.0648	<0.00001	<0.00001	0.0245	0.000245	125	0.00021	0.0000959	0.00344	<0.002
MC-EFF DC	16-Jul-2021	<0.00005	0.0000248	<0.00001	<0.0002	0.00091	0.0000164	0.00052	0.0586	<0.00002		0.0588	128	0.0008	0.0681	<0.00001	<0.00001	0.0235	0.00027	125	0.00015	0.000108	0.00488	<0.002
MC-EFF DC	17-Jul-2021	<0.00005	0.0000222	<0.00001	<0.0002	0.00097	0.000019	0.00059	0.0544	<0.00002		0.0772	127	0.000767	0.0706	<0.00001	<0.00001	0.0286	0.000224	125	0.00018	0.000136	0.00449	<0.002
MC-EFF DC	18-Jul-2021	<0.00005	0.0000203	<0.00001	<0.0002	0.00089	0.0000201	0.00064	0.0379	<0.00002		0.132	122	0.00068	0.0667	<0.00001	<0.00001	0.0269	0.000155	118	0.00031	0.000102	0.00483	<0.002
MC-EFF DC	19-Jul-2021	<0.00005	0.0000178	<0.00001	<0.0002	0.00068	0.0000212	0.00058	0.0687	<0.00002		0.182	112	0.0006	0.0548	<0.00001	<0.00001	0.0219	0.000237	109	0.0002	0.00014	0.00522	<0.002
MC-EFF DC	20-Jul-2021	0.000081	0.0000155	<0.00001	<0.0002	0.00094	0.0000264	0.00063	0.111	<0.00002		0.2	118	0.000826	0.0569	<0.00001	<0.00001	0.0237	0.000297	107	0.00017	0.00016	0.00658	<0.002
MC-EFF DC	21-Jul-2021	0.00006	0.0000168	<0.00001	<0.0002	0.00102	0.0000208	0.00051	0.0591	<0.00002		0.0518	103	0.000923	0.0563	<0.00001	<0.00001	0.0279	0.000279	101	0.00022	0.000124	0.00369	<0.002
MC-EFF DC	22-Jul-2021	0.000116	0.0000212	<0.00001	<0.0002	0.00096	0.0000197	0.0005	0.0499	<0.00002		0.0403	111	0.000852	0.0569	<0.00001	<0.00001	0.0244	0.000214	110	0.00016	0.000132	0.00352	<0.002
MC-EFF DC	23-Jul-2021	0.00013	0.0000285	<0.00001	<0.0002	0.00091	0.0000253	0.00051	0.0384	<0.00002		0.123	127	0.000785	0.0613	<0.00001	<0.00001	0.0235	0.00019	120	0.00018	0.000117	0.00402	<0.002
MC-EFF DC	24-Jul-2021	<0.00005	0.0000293	<0.00001	<0.0002	0.00079	0.0000248	0.00048	0.0466	<0.00002		0.121	125	0.00071	0.0612	<0.00001	<0.00001	0.0232	0.000207	124	0.00017	0.00011	0.00411	<0.002
MC-EFF DC	25-Jul-2021	0.000059	0.0000295	<0.00001	0.00052	0.00079	0.0000214	0.00051	0.059	<0.00002		0.107	123	0.000702	0.0576	<0.00001	<0.00001	0.0246	0.000209	119	0.00018	0.0000905	0.00457	<0.002
MC-EFF DC	26-Jul-2021	0.000084	0.0000249	<0.00001	0.00046	0.00096	0.0000182	0.00055	0.0664	<0.00002		0.123	117	0.000725	0.0581	<0.00001	<0.00001	0.0222	0.000188	123	0.00028	0.0000667	0.00516	<0.002
MC-EFF DC	4-Aug-2021	<0.00005	0.0000232	<0.00001	<0.0002	0.00093	0.0000188	0.00047	0.0585	<0.00002		0.0296	137	0.000589	0.0551	<0.00001	<0.00001	0.0246	0.000228	118	0.00019	0.000167	0.00442	<0.002
MC-EFF DC	5-Aug-2021	<0.00005	0.0000313	<0.00001	<0.0002	0.00073	0.0000201	0.00047	0.0592	<0.00002		0.043	135	0.00046	0.0518	<0.00001	<0.00001	0.0245	0.000229	116	0.0002	0.000165	0.0042	<0.002
MC-EFF DC	6-Aug-2021	0.000052	0.0000378	<0.00001	0.00028	0.00067	0.000019	0.00044	0.0711	<0.00002		0.0565	135	0.000423	0.0511	<0.00001	<0.00001	0.0254	0.00024	114	0.00019	0.000168	0.00522	<0.002
MC-EFF DC	7-Aug-2021	<0.00005	0.0000318	<0.00001	<0.0002	0.00067	0.0000209	0.00054	0.0717	<0.00002		0.0871	134	0.000453	0.0535	<0.00001	<0.00001	0.0251	0.00025	116	0.00017	0.00015	0.00673	<0.002
MC-EFF DC	8-Aug-2021	<0.00005	0.0000283	<0.00001	<0.0002	0.00076	0.0000242	0.00054	0.075	<0.00002		0.0878	143	0.000541	0.0571	<0.00001	<0.00001	0.0264	0.000268	117	0.00019	0.000167	0.00616	<0.002
MC-EFF DC	9-Aug-2021	0.00008	0.0000248	<0.00001	<0.0002	0.00108	0.0000286	0.00057	0.0843	<0.00002		0.104	145	0.000619	0.0625	<0.00001	0.000011	0.0288	0.000294	119	0.00023	0.000219	0.00685	<0.002
MC-EFF DC	10-Aug-2021	<0.00005	0.0000248	<0.00001	<0.0002	0.00113	0.0000284	0.00054	0.0711	<0.00002		0.116	137	0.000687	0.0603	<0.00001	<0.00001	0.0414	0.000249	112	0.00022	0.000206	0.00735	<0.002
MC-EFF DC	11-Aug-2021	<0.0005	0.000028	<0.0001	<0.005	0.0013	0.000026	<0.001	0.0687	<0.0001		0.0453	115	0.00069	0.0575	<0.0001	<0.0001	0.0325	0.000287	117	<0.0005	0.00019	0.00372	0.015
MC-EFF DC	12-Aug-2021	<0.0005	0.000025	<0.0001	<0.005	0.0013	0.00002	<0.001	0.0525	<0.0001		0.0404	116	0.00061	0.0584	<0.0001	<0.0001	0.0267	0.000203	115	<0.0005	0.00016	0.0037	<0.01
MC-EFF DC	13-Aug-2021	<0.0005	0.000027	<0.0001	<0.005	0.0013	0.00002	<0.001	0.0353	<0.0001		0.053	114	0.00059	0.0626	<0.0001	<0.0001	0.0251	0.000135	119	<0.0005	0.00012	0.0037	<0.01
MC-EFF DC	14-Aug-2021	<0.0005	0.000027	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0387	<0.0001		0.066	115	<0.0005	0.0561	<0.0001	<0.0001	0.0235	0.000139	118	<0.0005	0.00014	0.00339	<0.01
MC-EFF DC	15-Aug-2021	<0.0005	0.00003	<0.0001	<0.005	<0.001	0.000034	<0.001	0.103	<0.0001		0.0762	120	0.00059	0.0617	<0.0001	<0.0001	0.0272	0.000363	122	<0.0005	0.00024	0.0057	<0.01
MC-EFF DC	16-Aug-2021	<0.0005	0.000033	<0.0001	<0.005	0.0012	0.000041	<0.001	0.149	<0.0001		0.0877	123	0.00086	0.073	<0.0001	<0.0001	0.0277	0.000396	122	<0.0005	0.00031	0.00853	<0.01
MC-EFF DC	24-Aug-2021	<0.0005	0.000052	<0.0001	<0.005	<0.001	0.000031	<0.001	0.0748	<0.0001		0.0206	141	0.00051	0.0664	<0.0001	<0.0001	0.026	0.000267	132	<0.0005	0.00014	0.00727	<0.01
MC-EFF DC	25-Aug-2021	<0.0005	0.000044	<0.0001	<0.005	<0.001	0.000035	<0.001	0.0762	<0.0001		0.0347	137	0.00054	0.0693	<0.0001	<0.0001	0.0281	0.000259	129	<0.0005	0.00023	0.00632	<0.01
MC-EFF DC	26-Aug-2021	<0.0005	0.000043	<0.0001	<0.005	<0.001	0.000025	<0.001	0.0499	<0.0001		0.0429	134	0.00053	0.0688	<0.0001	<0.0001	0.0238	0.000247	128	<0.0005	0.0002	0.00664	<0.01
MC-EFF DC	27-Aug-2021	<0.0005	0.000046	<0.0001	<0.005	<0.001	0.000023	<0.001	0.0451	<0.0001		0.0429	133	0.00057	0.066	<0.0001	<0.0001	0.0285	0.000196	127	0.00107	0.00017	0.0082	0.012
MC-EFF DC	28-Aug-2021	<0.0005	0.000052	<0.0001	<0.005	<0.001	0.000023	<0.001	0.0466	<0.0001		0.0465	138	<0.0005	0.0637	<0.0001	<0.0001	0.0258	0.00017	132	<0.0005	0.00012	0.00633	<0.01
MC-EFF DC	29-Aug-2021	<0.0005	0.000052	<0.0001	<0.005	<0.001	0.000021	<0.001	0.0415	<0.0001		0.0451	138	0.00051	0.0665	<0.0001	<0.0001	0.0231	0.000165	133	<0.0005	0.00013	0.0065	<0.01
MC-EFF DC	30-Aug-2021	0.00059	0.000037	<0.0001	<0.005	<0.001	0.000027	<0.001	0.0668	<0.0001		0.0691	133	<0.0005	0.066	0.00015	<0.0001	0.0253	0.000166	130	<0.0005	0.00012	0.0137	<0.01
MC-EFF DC	2-Nov-2021	<0.0005	0.000038	<0.0001	<0.005	<0.001	0.000047	<0.001	0.189	<0.0001		0.094	120	<0.0005	<0.05	<0.0001	<0.0001	0.0274	0.000814	122	<0.0005	0.00028	0.00323	<0.01
MC-EFF DC	3-Nov-2021	<0.0005	0.000029	<0.0001	<0.005	<0.001	0.000041	<0.001	0.326	<0.0001		0.148	110	<0.0005	<0.05	<0.0001	<0.0001	0.0252	0.000864	119	<0.0005	0.00018	0.00181	<0.01
MC-EFF DC	4-Nov-2021	<0.0005	0.000027	<0.0001	<0.005	<0.001	0.000044	<0.001	0.412	<0.0001		0.288	112	<0.0005	<0.05	<0.0001	<0.0001	0.0267	0.000638	124	<0.0005	0.0001	0.00182	<0.01
MC-EFF DC	5-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000043	<0.001	0.321	<0.0001		0.428	104	<0.0005	<0.05	<0.0001	<0.0001	0.029	0.000375	109	<0.0005	<0.0001	0.00107	<0.01
MC-EFF DC	6-Nov-2021	<0.0005	0.000022	<0.0001	<0.005	<0.001	0.000031	<0.001	0.288	<0.0001		0.461	104	<0.0005	<0.05	<0.0001	<0.0001	0.0309	0.000465	111	0.00076	0.00013	0.0015	<0.01
MC-EFF DC	7-Nov-2021	<0.0005	0.000023	<0.0001	<0.005	<0.001	0.000027	<0.001	0.162	<0.0001		0.345	103	<0.0005	<0.05	<0.0001	<0.0001	0.026	0.0001	112	<0.0005	<0.0001	0.00238	<0.01
MC-EFF DC	8-Nov-2021	<0.0005	0.000023	<0.0001	<0.005	<0.001	0.000029	<0.001	0.139	<0.0001		0.299	108	<0.0005	<0.05	<0.0001	<0.0001	0.0264	0.00019	112	<0.0005	<0.0001	0.00254	<0.01
MC-EFF DC REP	13-Jul-2021	<0.0005	0.000031	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0796	<0.0001		0.0554	117	0.00057	0.0623	<0.0001	<0.0001	0.0276	0.000282	106	<0.0005	<0.0001	0.00414	<0.01
MC-EFF EB	22-Jun-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001	<0.0002	<0.001	<0.00002		0.0011	<1	<0.00005	<0.002	<0.00001	<0.00001	0.00049	<0.000002	0.27	<0.0001	<0.000005	0.0003	<0.002
MC-Near 25	17-Sep-2021	<0.00005	<0.000004	<0.00001	0.0226	<0.0002	0.0000406	<0.0002	0.0552	0.000067		0.0349	<1	0.000164	<0.002	<0.00001	<0.00001	0.0118	0.0000473	3.8	0.00013	0.0000324	0.00212	0.0128
MC-TP4 BB	11-Oct-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001	<0.0002	0.0011	<0.00002		<0.001	<1	<0.00005	<0.002	<0.00001	<0.00001	<0.0001	<0.000002	<0.04	0.00017	<0.000005	<0.0001	<0.002
MC-TP4 D	2-Jun-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0167	<0.0001		0.0446	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000044	5.75	<0.0005	<0.0001	0.00056	<0.01
MC-TP4 D	15-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023	<0.001	0.051	<0.0001	<0.00001	0.0662	5.5	<0.0005	<0.05	<0.0001	<0.0001	0.0054	0.000143	8.6	<0.0005	<0.0001	0.00114	<0.01
MC-TP4 EB	22-Jun-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001	<0.0002	<0.001	<0.00002		<0.001	<1	<0.00005	<0.002	<0.00001	<0.00001	<0.0001	<0.000002	<0.04	<0.0001	<0.000005	0.00016	<0.002
MC-TP4 EB	17-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001	<0.0002	0.0013	<0.00002		<0.001	<1	<0.00005	<0.002	<0.00001	<0.00001	0.0006	0.0000044	0.113	0.00012	<0.000005	0.00055	<0.002
MC-TP4 EQPB Pre	30-Nov-2021											0.0015	<1	<0.00005	<0.002	<0.00001	<0.00001	0.00028	0.0000037	0.173	0.00016	<0.000005	0.00022	<0.002

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MC-EFF DC	14-Jul-2021	<0.01	0.00331	11	0.0279	0.00987	0.000354	0.000236	7.56	0.0121	0.00555	2.92	0.429	0.000053	<0.00001	14.4	0.0117	<0.00005	0.0000258	<0.00001	<0.0002	0.00064	0.0000103
MC-EFF DC	15-Jul-2021	0.012	0.00341	11.3	0.0295	0.0107	0.000327	0.00016	7.96	0.0125	0.00679	2.92	0.441	<0.00005	<0.00001	15.2	0.0121	<0.00005	0.0000273	<0.00001	<0.0002	0.00072	0.0000148
MC-EFF DC	16-Jul-2021	0.01	0.0035	10.7	0.0291	0.0118	0.000556	0.000164	8.52	0.0133	0.00795	3.02	0.433	<0.00005	<0.00001	15.9	0.0127	<0.00005	0.0000252	<0.00001	<0.0002	0.00079	0.0000145
MC-EFF DC	17-Jul-2021	0.012	0.00343	10	0.0293	0.0134	0.000386	0.000105	9.37	0.0144	0.00816	3.18	0.416	<0.00005	0.00003	17	0.0138	<0.00005	0.0000232	<0.00001	<0.0002	0.00088	0.0000179
MC-EFF DC	18-Jul-2021	0.012	0.00325	9.77	0.0211	0.0124	0.000364	0.000099	8.55	0.0122	0.0075	3.15	0.392	<0.00005	0.000037	16	0.0119	<0.00005	0.0000213	<0.00001	<0.0002	0.00077	0.000019
MC-EFF DC	19-Jul-2021	0.013	0.0029	9.23	0.0278	0.0108	0.000347	0.000102	7.52	0.00894	0.00643	3.21	0.363	<0.00005	0.00003	14.1	0.00885	<0.00005	0.0000176	<0.00001	<0.0002	0.00064	0.0000207
MC-EFF DC	20-Jul-2021	0.011	0.00283	7.97	0.0288	0.0147	0.000469	0.000083	8.51	0.00995	0.00851	3.18	0.349	<0.00005	0.000047	16.7	0.00976	<0.00005	0.0000155	<0.00001	<0.0002	0.00084	0.0000235
MC-EFF DC	21-Jul-2021	0.013	0.0029	8.5	0.0264	0.0155	0.000395	0.000213	8.82	0.0109	0.00683	2.71	0.357	<0.00005	<0.00001	18.7	0.0102	<0.00005	0.0000162	<0.00001	<0.0002	0.00094	0.000018
MC-EFF DC	22-Jul-2021	0.014	0.00342	10.5	0.0301	0.0133	0.000307	0.000194	8.07	0.00999	0.00623	2.76	0.397	0.000052	<0.00001	18.5	0.00934	0.000073	0.0000197	<0.00001	<0.0002	0.00087	0.0000176
MC-EFF DC	23-Jul-2021	0.015	0.00387	12.4	0.027	0.0129	0.000391	0.000122	8.44	0.0106	0.00601	2.86	0.44	0.000057	0.000043	19.3	0.00988	0.000093	0.0000245	<0.00001	<0.0002	0.00084	0.0000229
MC-EFF DC	24-Jul-2021	<0.01	0.00418	12.9	0.0292	0.0112	0.000347	0.000097	7.63	0.00976	0.00547	2.75	0.454	<0.00005	0.000046	18.2	0.00868	<0.00005	0.000027	<0.00001	<0.0002	0.00073	0.0000225
MC-EFF DC	25-Jul-2021	0.015	0.00402	11.8	0.0276	0.0111	0.000307	0.000096	7.21	0.00874	0.00614	2.76	0.445	0.00005	0.000052	18	0.00772	0.000052	0.0000257	<0.00001	<0.0002	0.00072	0.000019
MC-EFF DC	26-Jul-2021	0.012	0.00411	9.7	0.0181	0.0116	0.000306	0.000084	7.07	0.00804	0.00645	2.7	0.423	<0.00005	0.000047	18.4	0.00707	0.000083	0.0000233	<0.00001	<0.0002	0.00091	0.0000159
MC-EFF DC	4-Aug-2021	<0.01	0.004	10.7	0.0387	0.0128	0.000476	0.000301	8.61	0.00941	0.00524	3.05	0.393	0.000336	<0.00001	20.5	0.00911	<0.00005	0.0000224	<0.00001	<0.0002	0.00092	0.000016
MC-EFF DC	5-Aug-2021	<0.01	0.00393	10.5	0.0373	0.0114	0.000522	0.000226	7.97	0.00852	0.00462	2.9	0.407	0.000147	<0.00001	19.1	0.00821	0.000079	0.0000305	<0.00001	<0.0002	0.00072	0.0000175
MC-EFF DC	6-Aug-2021	<0.01	0.00393	10.6	0.0351	0.0112	0.000565	0.000148	8.15	0.00862	0.00326	3.16	0.408	<0.00005	0.000012	18.6	0.00814	<0.00005	0.0000361	<0.00001	<0.0002	0.00064	0.0000172
MC-EFF DC	7-Aug-2021	<0.01	0.00385	10.6	0.0314	0.0117	0.00053	0.000109	8.46	0.00932	0.00405	3	0.405	0.000075	0.000072	18.5	0.00886	0.00006	0.0000308	<0.00001	<0.0002	0.00066	0.0000201
MC-EFF DC	8-Aug-2021	<0.01	0.00383	10.9	0.0368	0.0121	0.000504	0.000163	8.94	0.0101	0.00431	2.96	0.408	0.000251	0.000082	19.4	0.0097	<0.00005	0.0000273	<0.00001	<0.0002	0.00076	0.0000229
MC-EFF DC	9-Aug-2021	<0.01	0.00388	11.1	0.0534	0.0128	0.000576	0.000149	9.42	0.0104	0.00504	3.23	0.412	0.000062	0.000117	20.5	0.01	<0.00005	0.0000253	<0.00001	<0.0002	0.00107	0.0000262
MC-EFF DC	10-Aug-2021	<0.01	0.00367	10.5	0.0584	0.0116	0.000602	0.000179	8.56	0.00937	0.00439	2.98	0.397	0.000099	0.00009	19.2	0.00883	<0.00005	0.0000239	<0.00001	<0.0002	0.00107	0.0000264
MC-EFF DC	11-Aug-2021	<0.05	0.00317	10.7	0.049	0.0102	0.00067	0.00024	7.29	0.00818	0.00252	2.8	0.415	<0.0002	<0.00005	18.1	0.00768	<0.0005	0.000028	<0.0001	<0.005	0.0011	0.000023
MC-EFF DC	12-Aug-2021	<0.05	0.00322	10.4	0.0414	0.01	0.00067	0.0002	7.44	0.0078	0.00275	2.9	0.405	<0.0002	<0.00005	18.1	0.0072	<0.0005	0.000023	<0.0001	<0.005	0.0011	<0.00002
MC-EFF DC	13-Aug-2021	<0.05	0.00339	10.3	0.0276	0.0101	0.0006	<0.0002	7.29	0.007	0.00266	3.1	0.42	<0.0002	<0.00005	18.2	0.00697	<0.0005	0.000022	<0.0001	<0.005	0.001	<0.00002
MC-EFF DC	14-Aug-2021	<0.05	0.00338	10.4	0.0297	0.00794	0.0005	0.00046	6.26	0.00527	0.00263	3.2	0.435	<0.0002	<0.00005	16.6	0.00552	<0.0005	0.000026	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	15-Aug-2021	<0.05	0.00371	11	0.0713	0.0105	0.00079	<0.0002	7.9	0.00784	0.00344	3.1	0.431	<0.0002	0.000133	18.7	0.00774	<0.0005	0.000029	<0.0001	<0.005	<0.001	0.000032
MC-EFF DC	16-Aug-2021	<0.05	0.00377	10.5	0.0812	0.0139	0.00096	<0.0002	10.2	0.013	0.0055	2.9	0.417	<0.0002	0.000216	21.2	0.0113	<0.0005	0.000031	<0.0001	<0.005	0.001	0.000039
MC-EFF DC	24-Aug-2021	<0.05	0.00449	13.7	0.0245	0.0126	0.0008	0.00038	10.1	0.00918	0.00171	3.2	0.484	<0.0002	<0.00005	26.4	0.0085	<0.0005	0.000049	<0.0001	<0.005	<0.001	0.000026
MC-EFF DC	25-Aug-2021	<0.05	0.00448	12.8	0.041	0.0131	0.00079	0.00046	10.3	0.00971	0.0018	3.2	0.459	<0.0002	<0.00005	27.2	0.00869	<0.0005	0.00004	<0.0001	<0.005	<0.001	0.00003
MC-EFF DC	26-Aug-2021	<0.05	0.00431	12.2	0.0309	0.0124	0.00065	0.00049	9.77	0.00932	0.00184	3.3	0.44	<0.0002	<0.00005	26.7	0.00849	<0.0005	0.000038	<0.0001	<0.005	<0.001	0.000026
MC-EFF DC	27-Aug-2021	<0.05	0.00422	12.4	0.0233	0.0121	0.00071	0.00134	9.47	0.00886	0.00228	3.3	0.434	<0.0002	<0.00005	25.9	0.00821	<0.0005	0.000038	<0.0001	<0.005	<0.001	0.000021
MC-EFF DC	28-Aug-2021	<0.05	0.00429	13.4	0.02	0.0117	0.00051	0.00051	9.29	0.00938	0.00252	3.4	0.451	<0.0002	<0.00005	24.4	0.00822	<0.0005	0.000046	<0.0001	<0.005	<0.001	0.000021
MC-EFF DC	29-Aug-2021	<0.05	0.00444	13.2	0.0227	0.011	0.00046	0.00043	9.18	0.0084	0.00312	3.2	0.453	<0.0002	0.000064	23.5	0.00793	<0.0005	0.000045	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	30-Aug-2021	<0.05	0.00469	13.2	0.0182	0.00945	0.00048	0.00113	8.47	0.00889	0.00276	3.3	0.464	<0.0002	0.000054	21.9	0.00701	<0.0005	0.000045	<0.0001	<0.005	<0.001	0.00002
MC-EFF DC	2-Nov-2021	<0.05	0.0037	14.6	0.073	0.00156	0.00071	<0.0002	3.39	0.00139	0.00077	2	0.37	<0.0002	<0.00005	10.1	0.00125	<0.0005	0.000053	<0.0001	<0.005	<0.001	0.000118
MC-EFF DC	3-Nov-2021	<0.05	0.0036	11	0.0454	0.0013	<0.0004	<0.0002	3.71	0.00124	0.00075	1.2	0.33	<0.0002	<0.00005	9.61	0.00108	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.000021
MC-EFF DC	4-Nov-2021	<0.05	0.00356	6.56	0.0272	0.00093	<0.0004	<0.0002	3.7	0.00087	0.00085	1.2	0.315	<0.0002	<0.00005	8.9	0.00068	<0.0005	0.000024	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	5-Nov-2021	<0.05	0.00294	5.61	0.0223	0.00142	<0.0004	<0.0002	2.63	0.00111	0.00141	<1	0.282	<0.0002	<0.00005	7.11	0.0009	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	6-Nov-2021	<0.05	0.00323	6.84	0.0301	0.0017	0.00049	<0.0002	2.76	0.00119	0.00116	1	0.285	<0.0002	<0.00005	7.52	0.00108	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	7-Nov-2021	<0.05	0.00333	8.99	0.0277	0.00201	<0.0004	<0.0002	4.23	0.00181	0.00103	1.4	0.295	<0.0002	<0.00005	9.44	0.00157	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC	8-Nov-2021	<0.05	0.00372	11.2	0.0323	0.00207	<0.0004	<0.0002	4.73	0.00191	0.00124	1.6	0.301	<0.0002	<0.00005	10.3	0.0016	<0.0005	0.000021	<0.0001	<0.005	<0.001	<0.00002
MC-EFF DC REP	13-Jul-2021	<0.05	0.00344	11	0.0225	0.0104	<0.0004	0.00022	7.6	0.0136	0.0068	2.5	0.423	<0.0002	0.000058	15.2	0.0125	<0.0005	0.000025	<0.0001	<0.005	<0.001	<0.00002
MC-EFF EB	22-Jun-2021	<0.01	<0.00005	0.0242	0.000154	0.000023	<0.00004	<0.00005	<0.01	<0.00005	<0.0001	<0.1	0.00103	<0.00005	<0.00001	0.092	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001
MC-Near 25	17-Sep-2021	<0.01	<0.00005	0.172	0.00373	0.000286	0.000293	0.000829	0.112	0.000153	<0.0001	0.9	0.00815	<0.00005	<0.00001	0.565	<0.00005	<0.00005	<0.000004	<0.00001	0.00039	<0.0002	0.0000231
MC-TP4 BB	11-Oct-2021	<0.01	<0.00005	<0.005	0.000635	<0.00001	<0.00004	<0.00005	<0.01	<0.00005	<0.0001	<0.1	<0.0001	<0.00005	<0.00001	<0.02	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001
MC-TP4 D	2-Jun-2021	<0.05	0.00013	0.35	0.00219	0.00035	<0.0004	<0.0002	0.2	0.00021	<0.0005	<1	0.0153	<0.0002	<0.00005	1.05	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002
MC-TP4 D	15-Nov-2021	<0.05	0.00013	0.801	0.006	0.00025	<0.0004	<0.0002	0.22	0.00037	<0.0005	1.1	0.0182	<0.0002	<0.00005	1.11	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MC-TP4 EB	22-Jun-2021	<0.01	<0.00005	<0.005	<0.00005	<0.00001	<0.00004	<0.00005	<0.01	<0.00005	<0.0001	<0.1	<0.0001	<0.00005	<0.00001	0.039	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001
MC-TP4 EB	17-Aug-2021	<0.01	<0.00005	0.0079	0.000577	0.000015	<0.00004	0.000085	0.019	<0.00005	<0.0001	<0.1	0.00019	<0.00005	<0.00001	0.117	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001
MC-TP4 EQPB Pre	30-Nov-2021	<0.01	0.000054	0.0165	0.000075	<0.00001	0.000046	<0.00005	0.012		<0.0001	<0.1	0.00038	<0.00005	<0.00001	0.097	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000052

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MC-EFF DC	14-Jul-2021	0.00041	0.0599	<0.00002					
MC-EFF DC	15-Jul-2021	0.00046	0.0448	<0.00002					
MC-EFF DC	16-Jul-2021	0.00048	0.0535	<0.00002					
MC-EFF DC	17-Jul-2021	0.00055	0.0477	<0.00002					
MC-EFF DC	18-Jul-2021	0.00054	0.0293	<0.00002					
MC-EFF DC	19-Jul-2021	0.00051	0.0501	<0.00002					
MC-EFF DC	20-Jul-2021	0.00049	0.0651	<0.00002					
MC-EFF DC	21-Jul-2021	0.00043	0.0578	<0.00002					
MC-EFF DC	22-Jul-2021	0.00041	0.0463	<0.00002					
MC-EFF DC	23-Jul-2021	0.00046	0.0353	<0.00002					
MC-EFF DC	24-Jul-2021	0.00042	0.0361	<0.00002					
MC-EFF DC	25-Jul-2021	0.00038	0.035	<0.00002					
MC-EFF DC	26-Jul-2021	0.0004	0.0281	<0.00002					
MC-EFF DC	4-Aug-2021	0.00043	0.0626	<0.00002					
MC-EFF DC	5-Aug-2021	0.00043	0.0582	<0.00002					
MC-EFF DC	6-Aug-2021	0.00037	0.064	<0.00002					
MC-EFF DC	7-Aug-2021	0.00049	0.0633	<0.00002					
MC-EFF DC	8-Aug-2021	0.00049	0.0616	<0.00002					
MC-EFF DC	9-Aug-2021	0.00048	0.0666	<0.00002					
MC-EFF DC	10-Aug-2021	0.00048	0.054	<0.00002					
MC-EFF DC	11-Aug-2021	<0.001	0.0606	<0.0001					
MC-EFF DC	12-Aug-2021	<0.001	0.0439	<0.0001					
MC-EFF DC	13-Aug-2021	<0.001	0.0318	<0.0001					
MC-EFF DC	14-Aug-2021	<0.001	0.0328	<0.0001					
MC-EFF DC	15-Aug-2021	<0.001	0.0778	<0.0001					
MC-EFF DC	16-Aug-2021	<0.001	0.0973	<0.0001					
MC-EFF DC	24-Aug-2021	<0.001	0.0687	<0.0001					
MC-EFF DC	25-Aug-2021	<0.001	0.0635	<0.0001					
MC-EFF DC	26-Aug-2021	<0.001	0.0591	<0.0001					
MC-EFF DC	27-Aug-2021	<0.001	0.0463	<0.0001					
MC-EFF DC	28-Aug-2021	<0.001	0.0405	<0.0001					
MC-EFF DC	29-Aug-2021	<0.001	0.0387	<0.0001					
MC-EFF DC	30-Aug-2021	<0.001	0.0355	<0.0001					
MC-EFF DC	2-Nov-2021	<0.001	0.154	<0.0001					
MC-EFF DC	3-Nov-2021	<0.001	0.07	<0.0001					
MC-EFF DC	4-Nov-2021	<0.001	0.0275	<0.0001					
MC-EFF DC	5-Nov-2021	<0.001	0.0157	<0.0001					
MC-EFF DC	6-Nov-2021	<0.001	0.0239	<0.0001					
MC-EFF DC	7-Nov-2021	<0.001	0.0066	<0.0001					
MC-EFF DC	8-Nov-2021	<0.001	0.0141	<0.0001					
MC-EFF DC REP	13-Jul-2021	<0.001	0.0511	<0.0001					
MC-EFF EB	22-Jun-2021	<0.0002	0.0019	<0.00002					
MC-Near 25	17-Sep-2021	<0.0002	0.0118	<0.00002					
MC-TP4 BB	11-Oct-2021	<0.0002	0.001	<0.00002					
MC-TP4 D	2-Jun-2021	0.0011	0.009	<0.0001					
MC-TP4 D	15-Nov-2021	<0.001	0.0479	<0.0001	<0.00001				
MC-TP4 EB	22-Jun-2021	<0.0002	0.0014	<0.00002					
MC-TP4 EB	17-Aug-2021	<0.0002	0.0029	<0.00002					
MC-TP4 EQPB Pre	30-Nov-2021	<0.0002	<0.001	<0.00002					

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21H1498	8	No	Regular	MC-TP4 FB	MC-TP4 FB	10-Aug-2021										
21H2959	9	No	Regular	MFM-LAB RWB	MFM-LAB RWB	24-Aug-2021										
21K2005	2	No	Regular	MW 17-04	MW 17-04	12-Nov-2021	7.55	248						48.2	<1	48.2
21K2005	1	No	Regular	MW 17-05	MW 17-05	12-Nov-2021	7.62	242						58.2	<1	58.2
21K2005	3	No	Regular	MW 17-07	MW 17-07	12-Nov-2021	7.29	258						47.3	<1	47.3
21C1189	3	No	Regular	MW11-02	MW11-02	2-Mar-2021	5.01	755	313					1.2	<1	1.2
21K1241	10	No	Regular	MW11-02	MW11-02	5-Nov-2021	4.47	1010						<1	<1	<1
21A1450	1	No	Regular	MW11-04	MW11-04	15-Jan-2021	4.57	1250						<1	<1	<1
21B2265	5	No	Regular	MW11-04	MW11-04	18-Feb-2021	4.67	841	400					<1	<1	<1
21D0165	6	No	Regular	MW11-04	MW11-04	30-Mar-2021	4.86	1070	520					<1	<1	<1
21D2979	6	No	Regular	MW11-04	MW11-04	8-Apr-2021	4.67	1010						<1	<1	<1
21E2294	13	No	Regular	MW11-04	MW11-04	9-May-2021	4.75	916						<1	<1	<1
21F2521	4	No	Regular	MW11-04	MW11-04	16-Jun-2021	4.81	714						<1	<1	<1
21H0438	1	No	Regular	MW11-04	MW11-04	2-Aug-2021	4.83	669						<1	<1	<1
21J2028	1	No	Regular	MW11-04	MW11-04	13-Oct-2021	4.79	643						<1	<1	<1
21K2546	3	No	Regular	MW11-04	MW11-04	13-Nov-2021	4.6	1270						<1	<1	<1
21L1644	1	No	Regular	MW11-04	MW11-04	8-Dec-2021	4.55	1070						<1	<1	<1
21K1241	15	No	Regular	MW13- 02 S	MW13- 02 S	7-Nov-2021	6.77	188						59.2	<1	59.2
21K1241	14	No	Regular	MW13- 02D	MW13- 02D	7-Nov-2021	7.21	373						86.7	<1	86.7
21C1189	6	No	Regular	MW13-02D	MW13-02D	4-Mar-2021	7.53	353	214					74.2	<1	74.2
21E0556	11	No	Regular	MW13-02S	MW13-02S	29-Apr-2021	7	210						47.8	<1	47.8
21B1328	5	No	Regular	MW13-03D	MW13-03D	26-Jan-2021	7.13	132	57.6					40.2	<1	40.2
21K1241	17	No	Regular	MW13-05 D	MW13-05 D	7-Nov-2021	5.41	1150						26.5	<1	26.5
21K1241	9	No	Regular	MW13-05 S	MW13-05 S	5-Nov-2021	5.11	940						8.8	<1	8.8
21C2507	3	No	Regular	MW13-05D	MW13-05D	12-Mar-2021	5.99	1070	558					24.9	<1	24.9
21D0165	10	No	Regular	MW13-05D	MW13-05D	25-Mar-2021	6.02	906	469					21.7	<1	21.7
21K1241	6	No	Regular	MW13-06 S	MW13-06 S	5-Nov-2021	5.89	700						30.1	<1	30.1
21C1189	5	No	Regular	MW13-06D	MW13-06D	4-Mar-2021	6.26	687	595					26	<1	26
21L0607	4	No	Regular	MW13-06D	MW13-06D	27-Nov-2021	6.29	1070						32.3	<1	32.3
21L1644	12	No	Regular	MW13-06D	MW13-06D	4-Dec-2021	4.6	1890						<1	<1	<1
21C1189	4	No	Regular	MW13-06S	MW13-06S	4-Mar-2021	4.88	2140	1170					2	<1	2
21C1189	9	No	Regular	MW13-11D	MW13-11D	3-Mar-2021	7.34	468	236					62.4	<1	62.4
21E2294	16	No	Regular	MW13-11D	MW13-11D	12-May-2021	7.76	419						60.8	<1	60.8
21I3491	1	No	Regular	MW13-11D	MW13-11D	24-Sep-2021	7.53	654						59.3	<1	59.3
21K0622	17	No	Regular	MW13-11D	MW13-11D	2-Nov-2021	7.6	292						56.3	<1	56.3
21C1189	7	No	Regular	MW13-11S	MW13-11S	3-Mar-2021	7.12	736	388					81.4	<1	81.4
21E2294	17	No	Regular	MW13-11S	MW13-11S	12-May-2021	7.4	844						97.6	<1	97.6
21K0622	18	No	Regular	MW13-11S	MW13-11S	2-Nov-2021	7.24	1130						113	<1	113
21C1189	2	No	Regular	MW13-13	MW13-13	3-Mar-2021	5.3	589	270					2	<1	2
21E3248	2	No	Regular	MW13-13	MW13-13	25-May-2021	4.95	500						<1	<1	<1
21J0455	6	No	Regular	MW13-13	MW13-13	30-Sep-2021	6.35	175						11.5	<1	11.5
21K1241	3	No	Regular	MW13-13	MW13-13	4-Nov-2021	5.37	320						3.9	<1	3.9
21A2059	8	No	Regular	MW13-14D	MW13-14D	21-Jan-2021	7.38	305						91.8	<1	91.8
21B1328	2	No	Regular	MW13-14D	MW13-14D	26-Jan-2021	5.97	346	153					7.7	<1	7.7
21E2294	2	No	Regular	MW13-14D	MW13-14D	17-May-2021	5.22	329						<1	<1	<1
21H2450	1	No	Regular	MW13-14D	MW13-14D	15-Aug-2021	5.03	400						<1	<1	<1
21K0622	9	No	Regular	MW13-14D	MW13-14D	1-Nov-2021	5.22	601						<1	<1	<1
21A2059	9	No	Regular	MW13-14S	MW13-14S	21-Jan-2021	7.09	299						70.7	<1	70.7
21B1328	1	No	Regular	MW13-14S	MW13-14S	26-Jan-2021	5.3	328	139					1.7	<1	1.7

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+ Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MC-TP4 FB	10-Aug-2021															<0.002	<1	<0.00005	<0.002	0.00043
MFM-LAB RWB	24-Aug-2021															0.0255	<3	<0.0005	<0.05	<0.005
MW 17-04	12-Nov-2021	<1	<1	1.37		72.1														
MW 17-05	12-Nov-2021	<1	<1	1		64.6														
MW 17-07	12-Nov-2021	<1	<1	1.2		78														
MW11-02	2-Mar-2021	<1	<1	12.9		419														
MW11-02	5-Nov-2021	<1	<1	3.08		739														
MW11-04	15-Jan-2021	<1	<1	2.88		826														
MW11-04	18-Feb-2021	<1	<1	2.7		453														
MW11-04	30-Mar-2021	<1	<1	2.88		585														
MW11-04	8-Apr-2021	<1	<1	2.78		527														
MW11-04	9-May-2021	<1	<1	2.17		500														
MW11-04	16-Jun-2021	<1	<1	1.97		522														
MW11-04	2-Aug-2021	<1	<1	1.64		373										3.81	115	0.000139	0.0089	0.0222
MW11-04	13-Oct-2021	<1	<1	1.39		278										4.62	115	0.000202	0.0118	0.0269
MW11-04	13-Nov-2021	<1	<1																	
MW11-04	8-Dec-2021	<1	<1	5.42		696														
MW13- 02 S	7-Nov-2021	<1	<1	2.25		43.2														
MW13- 02D	7-Nov-2021	<1	<1	3.01		120														
MW13-02D	4-Mar-2021	<1	<1	2.75		109														
MW13-02S	29-Apr-2021	<1	<1	2.47		52.6														
MW13-03D	26-Jan-2021	<1	<1	1.57		28.1														
MW13-05 D	7-Nov-2021	<1	<1	4.53		562														
MW13-05 S	5-Nov-2021	<1	<1	3.57		512														
MW13-05D	12-Mar-2021	<1	<1	3.39		582														
MW13-05D	25-Mar-2021	<1	<1	3.17		463														
MW13-06 S	5-Nov-2021	<1	<1	2.62		329														
MW13-06D	4-Mar-2021	<1	<1	2.4		397														
MW13-06D	27-Nov-2021	<1	<1	3.25		536														
MW13-06D	4-Dec-2021	<1	<1	0.94		1350														
MW13-06S	4-Mar-2021	<1	<1	1.56		1460														
MW13-11D	3-Mar-2021	<1	<1	2.12		343														
MW13-11D	12-May-2021	<1	<1	2.24		145														
MW13-11D	24-Sep-2021	<1	<1	5.67		290										0.0022	144	0.000425	0.0253	0.0325
MW13-11D	2-Nov-2021	<1	<1	2.01		88.5														
MW13-11S	3-Mar-2021	<1	<1	2.67		319														
MW13-11S	12-May-2021	<1	<1	2.98		363														
MW13-11S	2-Nov-2021	<1	<1	3.45		523														
MW13-13	3-Mar-2021	<1	<1	1.26		300														
MW13-13	25-May-2021	<1	<1	3.32		254														
MW13-13	30-Sep-2021	<1	<1	0.64		68.1										0.0921	23.4	<0.00005	0.0084	0.0407
MW13-13	4-Nov-2021	<1	<1	1.14		151														
MW13-14D	21-Jan-2021	<1	<1	0.6		77.4														
MW13-14D	26-Jan-2021	<1	<1	1.1		168														
MW13-14D	17-May-2021	<1	<1	1.2		150														
MW13-14D	15-Aug-2021	<1	<1	1.17		193										1.08	68	0.000108	0.0064	0.02
MW13-14D	1-Nov-2021	<1	<1	1.39		290														
MW13-14S	21-Jan-2021	<1	<1	0.61		87.3														
MW13-14S	26-Jan-2021	<1	<1	1.2		164														

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MC-TP4 FB	10-Aug-2021	<0.00001	<0.00001	0.0000125	<0.04	0.00015	0.0000567	0.00052	<0.002	<0.01	<0.00005	<0.005	0.014	<0.00001	<0.00004	<0.00005	<0.01	<0.0001	<0.00005	<0.1	<0.00001	<0.02	<0.0001
MFM-LAB RWB	24-Aug-2021	<0.0001	<0.0001	0.000011	2.49	<0.0005	<0.0001	0.259	<0.01	<0.05	<0.0001	0.127	0.00159	0.00015	0.0112	0.00827	<0.1	<0.0005	<0.0002	<1	<0.00005	21	0.0037
MW 17-04	12-Nov-2021																						
MW 17-05	12-Nov-2021																						
MW 17-07	12-Nov-2021																						
MW11-02	2-Mar-2021																						
MW11-02	5-Nov-2021																						
MW11-04	15-Jan-2021																						
MW11-04	18-Feb-2021																						
MW11-04	30-Mar-2021																						
MW11-04	8-Apr-2021																						
MW11-04	9-May-2021																						
MW11-04	16-Jun-2021																						
MW11-04	2-Aug-2021	0.000334	<0.00001	0.0345	87.4	0.00036	0.00928	1.39	0.0066	<0.01	0.0004	20.8	1.8	0.000055	0.0273	0.00056	0.949	0.00014	0.000088	13.7	0.000026	3.01	0.211
MW11-04	13-Oct-2021	0.000419	<0.00001	0.0375	78.6	0.00052	0.0141	1.54	0.003	<0.01	0.000489	21.3	1.73	0.000017	0.0284	0.00052	1.03	0.00012	<0.00005	16.7	0.000029	3.23	0.209
MW11-04	13-Nov-2021																						
MW11-04	8-Dec-2021																						
MW13- 02 S	7-Nov-2021																						
MW13- 02D	7-Nov-2021																						
MW13-02D	4-Mar-2021																						
MW13-02S	29-Apr-2021																						
MW13-03D	26-Jan-2021																						
MW13-05 D	7-Nov-2021																						
MW13-05 S	5-Nov-2021																						
MW13-05D	12-Mar-2021																						
MW13-05D	25-Mar-2021																						
MW13-06 S	5-Nov-2021																						
MW13-06D	4-Mar-2021																						
MW13-06D	27-Nov-2021																						
MW13-06D	4-Dec-2021																						
MW13-06S	4-Mar-2021																						
MW13-11D	3-Mar-2021																						
MW13-11D	12-May-2021																						
MW13-11D	24-Sep-2021	<0.00001	<0.00001	0.0000731	129	0.00021	0.0000629	0.00128	0.0022	<0.01	0.000065	10.7	0.34	0.00578	0.00013	<0.00005	2.63	0.00028	0.000086	2.77	<0.00001	8.58	0.394
MW13-11D	2-Nov-2021																						
MW13-11S	3-Mar-2021																						
MW13-11S	12-May-2021																						
MW13-11S	2-Nov-2021																						
MW13-13	3-Mar-2021																						
MW13-13	25-May-2021																						
MW13-13	30-Sep-2021	0.00006	<0.00001	0.0128	23.3	0.00021	0.000353	0.868	<0.002	<0.01	0.00072	3.38	0.0471	0.00002	0.00465	0.0465	0.19	0.00021	<0.00005	3.79	0.000011	1.24	0.0356
MW13-13	4-Nov-2021																						
MW13-14D	21-Jan-2021																						
MW13-14D	26-Jan-2021																						
MW13-14D	17-May-2021																						
MW13-14D	15-Aug-2021	0.000277	<0.00001	0.0109	50.4	0.00017	0.0125	0.394	0.0024	<0.01	0.000199	9.89	1.48	<0.00001	0.0118	0.000062	1.26	0.00022	<0.00005	9.78	<0.00001	3.41	0.103
MW13-14D	1-Nov-2021																						
MW13-14S	21-Jan-2021																						
MW13-14S	26-Jan-2021																						

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MC-TP4 FB	10-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001	<0.0002	0.009	<0.00002		<0.001	<1	<0.00005	<0.002	<0.00001	<0.00001	0.00036	0.0000147	0.043	0.00016	0.0000537	0.00047	<0.002
MFM-LAB RWB	24-Aug-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0831	<0.0001		0.0271	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000015	2.37	<0.0005	<0.0001	0.225	<0.01
MW 17-04	12-Nov-2021											0.0027	24	0.000191	0.0072	<0.00001	<0.00001	0.0163	0.0000694	40.5	0.00018	0.0000066	0.00042	<0.002
MW 17-05	12-Nov-2021											0.0038	20.6	0.000066	0.0056	<0.00001	<0.00001	0.027	0.000104	44.9	0.00028	0.0000081	0.00042	<0.002
MW 17-07	12-Nov-2021											0.0038	25.8	0.000094	0.0048	<0.00001	<0.00001	0.0173	0.000798	38.5	0.00028	0.000006	0.00177	<0.002
MW11-02	2-Mar-2021											2.31	132	<0.0005	<0.05	0.00023	<0.0001	0.0217	0.0602	97.4	<0.0005	0.00468	1.05	<0.01
MW11-02	5-Nov-2021											18.6	164	0.00034	0.0095	0.000733	<0.00001	0.0312	0.093	91.2	0.00164	0.0309	3.11	0.0466
MW11-04	15-Jan-2021											16.8	320	0.00066	<0.05	0.00089	<0.0001	0.0531	0.105	181	0.00071	0.0382	3.66	<0.01
MW11-04	18-Feb-2021											7.63	161	<0.0005	<0.05	0.00064	<0.0001	0.0344	0.0506	107	<0.0005	0.0171	2.08	<0.01
MW11-04	30-Mar-2021											5.1	206	<0.0005	<0.05	0.00045	<0.0001	0.0342	0.0556	147	<0.0005	0.0122	1.85	<0.01
MW11-04	8-Apr-2021											5.77	181	<0.0005	<0.05	0.00049	<0.0001	0.0322	0.053	126	<0.0005	0.0146	1.93	<0.01
MW11-04	9-May-2021											5.12	146	<0.0005	<0.05	0.00041	<0.0001	0.0296	0.0439	105	<0.0005	0.0128	1.6	<0.01
MW11-04	16-Jun-2021											4.24	139	<0.0005	<0.05	0.00036	<0.0001	0.0229	0.0369	95.9	<0.0005	0.0099	1.38	<0.01
MW11-04	2-Aug-2021	<0.00005	<0.000004	<0.00001	0.00024	<0.0002	0.0000409	<0.0002	16.3	<0.00002		3.79	120	0.000123	0.0069	0.000382	<0.00001	0.0217	0.0343	86	0.00046	0.00959	1.32	<0.002
MW11-04	13-Oct-2021	<0.00005	0.0000041	<0.00001	<0.0002	<0.0002	0.0000533	<0.0002	16.3	<0.00002		4.5	111	0.000166	0.0085	0.000409	<0.00001	0.0257	0.0377	71	0.00069	0.0143	1.53	0.0032
MW11-04	13-Nov-2021											10.8	239	0.000424	0.0127	0.000696	<0.00001	0.031	0.074	170	0.00077	0.0328	2.8	0.0077
MW11-04	8-Dec-2021											10.1	182	0.000391	0.0099	0.00068	<0.00001	0.0241	0.0596	122	0.00053	0.0226	2.4	0.0067
MW13- 02 S	7-Nov-2021											0.0061	15.7	0.000076	0.0036	<0.00001	<0.00001	0.00701	0.000191	28.9	0.00023	0.0000408	0.00328	0.0108
MW13- 02D	7-Nov-2021											0.0091	42.6	0.000186	0.0043	<0.00001	<0.00001	0.0132	0.0000572	66.3	0.0004	0.0000209	0.00162	0.0148
MW13-02D	4-Mar-2021											0.178	54.5	<0.0005	<0.05	<0.0001	<0.0001	0.0163	0.00484	76.5	<0.0005	0.00241	0.0631	<0.01
MW13-02S	29-Apr-2021											0.0787	17.9	<0.0005	<0.05	<0.0001	<0.0001	0.0109	0.000083	34.3	<0.0005	0.00016	0.00227	0.107
MW13-03D	26-Jan-2021											<0.005	8.7	<0.0005	<0.05	<0.0001	<0.0001	0.0229	0.000566	19.4	<0.0005	<0.0001	0.00389	<0.01
MW13-05 D	7-Nov-2021											0.545	207	0.000243	0.0096	0.000102	<0.00001	0.0513	0.0397	162	0.00036	0.00844	0.49	0.0118
MW13-05 S	5-Nov-2021											1.77	148	0.000312	0.0068	0.000173	<0.00001	0.0249	0.0374	117	0.00046	0.015	0.563	0.0082
MW13-05D	12-Mar-2021											0.607	208	<0.0005	<0.05	<0.0001	<0.0001	0.0442	0.0358	171	<0.0005	0.00614	0.467	<0.01
MW13-05D	25-Mar-2021											0.563	163	<0.0005	<0.05	<0.0001	<0.0001	0.0374	0.0286	142	<0.0005	0.00473	0.415	<0.02
MW13-06 S	5-Nov-2021											0.0421	110	0.000101	0.0101	0.000027	<0.00001	0.0427	0.0109	90.9	0.00018	0.0000931	0.19	<0.002
MW13-06D	4-Mar-2021											1.55	211	<0.0005	<0.05	0.00021	<0.0001	0.0381	0.0473	186	<0.0005	0.0183	0.864	0.058
MW13-06D	27-Nov-2021											0.0497	200	0.000069	0.0123	0.00003	<0.00001	0.0776	0.0189	166	0.00015	0.0000964	0.258	0.0073
MW13-06D	4-Dec-2021											10.3	366	0.000983	0.0076	0.000941	<0.00001	0.0283	0.14	349	0.00049	0.0675	1.78	0.0138
MW13-06S	4-Mar-2021											4.71	443	0.0009	<0.05	0.00061	<0.0001	0.0236	0.135	364	<0.0005	0.0607	2.15	0.023
MW13-11D	3-Mar-2021											0.0133	63.1	<0.0005	<0.05	<0.0001	<0.0001	0.0192	0.000271	83.2	<0.0005	<0.0001	0.00566	<0.01
MW13-11D	12-May-2021											<0.005	48.1	<0.0005	<0.05	<0.0001	<0.0001	0.0223	0.000018	63.4	<0.0005	<0.0001	0.00094	<0.01
MW13-11D	24-Sep-2021	<0.00005	0.0000111	<0.00001	<0.0002	<0.0002	0.00017	<0.0002	0.0018	<0.00002		0.0019	104	0.000432	0.0247	<0.00001	<0.00001	0.0342	0.000079	124	0.00012	0.0000621	0.00375	<0.002
MW13-11D	2-Nov-2021											0.002	33.5	0.000224	0.0105	<0.00001	<0.00001	0.0123	0.0000063	48.4	0.00022	0.0000119	<0.0001	<0.002
MW13-11S	3-Mar-2021											0.0288	113	<0.0005	<0.05	<0.0001	<0.0001	0.0201	0.00484	136	<0.0005	0.00359	0.0411	0.078
MW13-11S	12-May-2021											0.0118	122	<0.0005	<0.05	<0.0001	<0.0001	0.0228	0.00584	143	<0.0005	0.0043	0.031	0.114
MW13-11S	2-Nov-2021											0.0261	194	0.000486	0.0311	0.000015	<0.00001	0.0375	0.0186	204	0.00023	0.00173	0.118	0.109
MW13-13	3-Mar-2021											2.13	101	<0.0005	<0.05	0.00034	<0.0001	0.0515	0.0596	81.8	<0.0005	0.00803	4.76	<0.01
MW13-13	25-May-2021											2.65	81.8	<0.0005	<0.05	0.00035	<0.0001	0.0403	0.0506	64.2	<0.0005	0.01	3.91	<0.01
MW13-13	30-Sep-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000122	<0.0002	4.27	<0.00002		0.0984	24.1	<0.00005	0.0043	0.000063	<0.00001	0.0397	0.0135	25.8	0.00025	0.000349	0.831	0.0032
MW13-13	4-Nov-2021											0.669	51.7	0.000111	0.004	0.000164	<0.00001	0.0451	0.034	40	0.00031	0.0023	2.59	0.0029
MW13-14D	21-Jan-2021																							
MW13-14D	26-Jan-2021											0.96	54.9	<0.0005	<0.05	0.00023	<0.0001	0.0115	0.00957	46.1	<0.0005	0.0114	0.37	<0.01
MW13-14D	17-May-2021											0.798	45.7	<0.0005	<0.05	0.00022	<0.0001	0.0183	0.00872	39.1	<0.0005	0.00982	0.322	<0.01
MW13-14D	15-Aug-2021	<0.00005	0.0000047	<0.00001	<0.0002	<0.0002	0.0000259	<0.0002	4.41	<0.00002		1.03	65.7	0.000086	0.0061	0.000246	<0.00001	0.0186	0.0107	49.2	0.00016	0.0125	0.388	0.0024
MW13-14D	1-Nov-2021											1.54	100	0.000167	0.0063	0.00032	<0.00001	0.019	0.016	71.2	0.00017	0.0188	0.516	0.0067
MW13-14S	21-Jan-2021																							
MW13-14S	26-Jan-2021											0.725	51.4	<0.0005	<0.05	0.00018	<0.0001	0.0155	0.00857	42.7	<0.0005	0.00898	0.301	<0.01

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MC-TP4 FB	10-Aug-2021	<0.01	<0.00005	<0.005	0.0135	<0.00001	0.00005	<0.00005	<0.01	<0.00005	<0.0001	<0.1	<0.0001	<0.00005	<0.00001	<0.02	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001
MFM-LAB RWB	24-Aug-2021	<0.05	<0.0001	0.123	0.00158	0.00022	0.00158	0.00346	<0.1	<0.0002	<0.0005	<1	0.0037	<0.0002	<0.00005	21.4	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW 17-04	12-Nov-2021	<0.01	0.000053	3.21	0.000071	0.00104	0.000073	<0.00005	0.895		0.00082	2.12	0.107	<0.00005	<0.00001	2.58	0.000137	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000237
MW 17-05	12-Nov-2021	<0.01	<0.00005	3.03	0.000337	0.000735	0.000095	<0.00005	0.486		0.0006	2.78	0.0816	<0.00005	<0.00001	1.7	0.000084	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000034
MW 17-07	12-Nov-2021	<0.01	<0.00005	5.58	0.000181	0.000549	0.00103	<0.00005	0.422		0.00039	2.99	0.0769	<0.00005	<0.00001	1.85	0.000083	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000184
MW11-02	2-Mar-2021	<0.05	0.00655	16.8	0.987	<0.0001	0.038	0.00197	1.29		0.00161	9.1	0.226	<0.0002	<0.00005	5.79	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW11-02	5-Nov-2021	<0.01	0.00131	24.9	2.13	0.000111	0.0585	0.0141	0.97		0.00527	13.8	0.221	<0.00005	<0.00001	3.83	0.000127	<0.00005	0.0000065	<0.00001	<0.0002	<0.0002	0.000164
MW11-04	15-Jan-2021	<0.05	<0.0001	53.6	5.74	<0.0001	0.0946	0.001	1.43		<0.0005	23.3	0.523	<0.0002	<0.00005	4.42	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000129
MW11-04	18-Feb-2021	<0.05	0.00046	32.2	2.43	<0.0001	0.0406	0.0008	1.18		<0.0005	17.1	0.27	0.00022	<0.00005	4.47	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000074
MW11-04	30-Mar-2021	<0.05	0.0004	36.7	3.54	<0.0001	0.0515	0.00062	1.22		<0.0005	17.7	0.401	<0.0002	<0.00005	4.37	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00006
MW11-04	8-Apr-2021	<0.05	0.00037	35.2	3.12	<0.0001	0.0493	0.00047	1.03		<0.0005	14.9	0.302	<0.0002	<0.00005	3.77	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000063
MW11-04	9-May-2021	<0.05	0.00028	27.9	2.39	<0.0001	0.0416	0.0003	0.93		<0.0005	14.8	0.269	<0.0002	<0.00005	3.18	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000055
MW11-04	16-Jun-2021	<0.05	0.00027	26.3	2.13	<0.0001	0.0347	0.00069	1.05		<0.0005	15.7	0.239	0.00027	<0.00005	3.52	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000042
MW11-04	2-Aug-2021	<0.01	0.00036	21.4	1.78	<0.00001	0.0282	0.000237	0.985	<0.00005	0.00031	13.9	0.22	0.000109	0.000022	3.11	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000398
MW11-04	13-Oct-2021	<0.01	0.000433	20.4	1.69	<0.00001	0.0286	0.000336	0.987	<0.00005	0.0002	16.1	0.202	<0.00005	0.000031	3.07	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000502
MW11-04	13-Nov-2021	<0.01	0.000512	40.6	5.81	0.00001	0.0701	0.00102	1.32		0.00029	21	0.427	0.000295	0.000027	3.93	0.000064	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000104
MW11-04	8-Dec-2021	<0.01	0.000582	33.5	3	<0.00001	0.0492	0.000913	1.2		0.0003	17	0.297	0.000378	0.000037	4.34	0.00006	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000996
MW13- 02 S	7-Nov-2021	<0.01	<0.00005	2.99	0.00226	0.000015	0.000105	<0.00005	0.109		0.00018	3.13	0.0403	<0.00005	<0.00001	1.9	0.000051	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000015
MW13- 02D	7-Nov-2021	<0.01	0.000172	3.73	0.00246	0.000145	0.000123	<0.00005	0.234		0.00012	3.92	0.0673	<0.00005	<0.00001	2.7	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	0.0003	0.0000791
MW13-02D	4-Mar-2021	<0.05	0.00455	5.47	0.561	0.00019	0.00596	0.00081	0.37		<0.0005	5.3	0.105	<0.0002	<0.00005	3	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000072
MW13-02S	29-Apr-2021	<0.05	<0.0001	3.4	0.00747	<0.0001	<0.0004	<0.0002	<0.1		<0.0005	3.8	0.0484	<0.0002	<0.00005	2.21	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-03D	26-Jan-2021	<0.05	<0.0001	2.23	0.00034	<0.0001	0.0008	<0.0002	0.12		<0.0005	4	0.0435	<0.0002	<0.00005	1.28	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-05 D	7-Nov-2021	<0.01	0.000068	34.8	2.2	<0.00001	0.0317	0.000128	1.23		0.00081	9.62	0.388	<0.00005	0.000019	6.7	0.000058	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000131
MW13-05 S	5-Nov-2021	<0.01	0.000119	25.5	1.79	0.00001	0.0355	0.000897	0.827		0.00059	10	0.302	<0.00005	<0.00001	4.51	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000219
MW13-05D	12-Mar-2021	<0.05	0.00014	31.6	1.22	<0.0001	0.0279	<0.0002	1.02		<0.0005	8.6	0.413	<0.0002	<0.00005	6.94	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-05D	25-Mar-2021	0.051	0.00013	27.5	0.905	<0.0001	0.0226	0.00076	1.11		<0.0005	10	0.337	<0.0002	<0.00005	6.9	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-06 S	5-Nov-2021	<0.01	0.000131	16.9	0.0615	<0.00001	0.0117	0.000474	0.778		0.00021	8.34	0.255	<0.00005	<0.00001	4.86	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000036
MW13-06D	4-Mar-2021	<0.05	0.00592	31.3	4.4	<0.0001	0.0459	0.0232	1.1		<0.0005	12.1	0.461	<0.0002	<0.00005	7.37	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000052
MW13-06D	27-Nov-2021	<0.01	0.000181	27.6	0.593	<0.00001	0.0181	0.000109	1.02		0.00014	10.3	0.483	<0.00005	<0.00001	6.43	<0.00005	<0.00005	0.0000041	<0.00001	<0.0002	<0.0002	0.0000049
MW13-06D	4-Dec-2021	<0.01	0.000371	49.9	11.9	0.000013	0.14	0.000375	1.61		0.00035	16.5	0.755	<0.00005	0.000015	5.44	<0.00005	0.000065	0.0000064	<0.00001	<0.0002	<0.0002	0.0000634
MW13-06S	4-Mar-2021	<0.05	0.00707	62.8	13.4	0.00012	0.125	0.0893	1.56		<0.0005	16.8	0.818	<0.0002	<0.00005	11.3	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000092
MW13-11D	3-Mar-2021	<0.05	0.00319	6.9	0.139	0.00367	<0.0004	<0.0002	2.15		<0.0005	3.2	0.252	<0.0002	<0.00005	5.5	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000062
MW13-11D	12-May-2021	<0.05	<0.0001	5.58	0.114	0.00357	<0.0004	<0.0002	1.66		<0.0005	2.5	0.208	0.00027	<0.00005	4.18	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000088
MW13-11D	24-Sep-2021	<0.01	<0.00005	10.4	0.334	0.00588	0.000061	<0.00005	2.55	0.000086	0.00031	2.78	0.39	<0.00005	<0.00001	8.35	0.00006	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000167
MW13-11D	2-Nov-2021	<0.01	<0.00005	4.08	0.0175	0.00194	<0.00004	<0.00005	1.09		0.00089	2.11	0.145	<0.00005	<0.00001	3.88	0.000064	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000078
MW13-11S	3-Mar-2021	<0.05	0.0058	11.7	0.968	0.00321	0.00379	0.00042	2.64		0.00078	3.5	0.359	<0.0002	<0.00005	6.97	0.00021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000038
MW13-11S	12-May-2021	<0.05	0.00232	12.4	1.07	0.00304	0.00494	0.00033	2.4		<0.0005	2.9	0.405	0.00045	<0.00005	5.78	0.00025	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.0001
MW13-11S	2-Nov-2021	<0.01	0.00207	19.4	1.13	0.00259	0.00363	0.00106	3.37		0.00039	4.2	0.591	<0.00005	<0.00001	7.48	0.000624	<0.00005	0.0000168	<0.00001	<0.0002	0.0002	0.000168
MW13-13	3-Mar-2021	<0.05	0.00134	15.9	1.26	<0.0001	0.0219	0.656	0.44		<0.0005	9.4	0.111	<0.0002	<0.00005	2.68	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000218
MW13-13	25-May-2021	<0.05	0.00178	12.4	1.99	<0.0001	0.018	0.799	0.31		0.00069	7.2	0.0971	0.00049	<0.00005	2.95	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00019
MW13-13	30-Sep-2021	<0.01	0.000741	3.32	0.0469	0.000045	0.00464	0.0453	0.186	<0.00005	0.00023	3.94	0.0367	<0.00005	0.00001	1.3	<0.00005	0.000066	<0.000004	<0.00001	<0.0002	<0.0002	0.0000169
MW13-13	4-Nov-2021	<0.01	0.00104	6.95	0.35	0.000014	0.0106	0.262	0.266		0.00024	5.8	0.0618	<0.00005	<0.00001	1.87	0.000065	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000885
MW13-14D	21-Jan-2021																						
MW13-14D	26-Jan-2021	<0.05	0.00021	9.21	1.24	<0.0001	0.00974	<0.0002	0.97		<0.0005	8.3	0.0929	<0.0002	<0.00005	2.7	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000031
MW13-14D	17-May-2021	<0.05	0.00019	7.53	1.02	<0.0001	0.00874	<0.0002	1.02		<0.0005	8.7	0.0888	<0.0002	<0.00005	2.57	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022
MW13-14D	15-Aug-2021	<0.01	0.000182	9.61	1.44	<0.00001	0.0115	0.00011	1.22	<0.00005	<0.0001	8.88	0.101	<0.00005	<0.00001	3.29	<0.00005	<0.00005	0.0000049	<0.00001	<0.0002	<0.0002	0.0000248
MW13-14D	1-Nov-2021	<0.01	0.000201	17	2.28	<0.00001	0.018	0.000112	1.28		0.00052	9.44	0.142	<0.00005	<0.00001	4.12	<0.00005	<0.00005	0.000005	<0.00001	<0.0002	<0.0002	0.0000406
MW13-14S	21-Jan-2021																						
MW13-14S	26-Jan-2021	<0.05	0.00022	7.87	1.06	<0.0001	0.00856	<0.0002	1		<0.0005	7.8	0.0892	<0.0002	<0.00005	2.7	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000031

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MC-TP4 FB	10-Aug-2021	<0.0002	0.0096	<0.00002					
MFM-LAB RWB	24-Aug-2021	<0.001	0.0592	<0.0001					
MW 17-04	12-Nov-2021	0.00024	0.0623	<0.00002					
MW 17-05	12-Nov-2021	0.00029	0.0478	<0.00002					
MW 17-07	12-Nov-2021	0.00024	0.666	<0.00002					
MW11-02	2-Mar-2021	<0.001	21.6	<0.0001					
MW11-02	5-Nov-2021	0.0005	29.7	0.000095					
MW11-04	15-Jan-2021	<0.001	41	<0.0001					
MW11-04	18-Feb-2021	<0.001	23.1	<0.0001					
MW11-04	30-Mar-2021	<0.001	26.4	<0.0001					
MW11-04	8-Apr-2021	<0.001	25.4	<0.0001					
MW11-04	9-May-2021	<0.001	22.1	<0.0001					
MW11-04	16-Jun-2021	<0.001	18.1	<0.0001					
MW11-04	2-Aug-2021	<0.0002	14.3	<0.00002					
MW11-04	13-Oct-2021	<0.0002	15.9	0.000022					
MW11-04	13-Nov-2021	<0.0002	31.6	0.00005					
MW11-04	8-Dec-2021	<0.0002	26.3	0.000031					
MW13- 02 S	7-Nov-2021	0.00034	0.0712	<0.00002					
MW13- 02D	7-Nov-2021	0.00049	0.0194	<0.00002					
MW13-02D	4-Mar-2021	<0.001	2.12	<0.0001					
MW13-02S	29-Apr-2021	<0.001	0.0381	<0.0001					
MW13-03D	26-Jan-2021	<0.001	0.828	<0.0001					
MW13-05 D	7-Nov-2021	0.00028	14.6	<0.00002					
MW13-05 S	5-Nov-2021	0.00023	14.4	<0.00002					
MW13-05D	12-Mar-2021	<0.001	11.6	<0.0001					
MW13-05D	25-Mar-2021	<0.001	10.3	<0.0001					
MW13-06 S	5-Nov-2021	0.00027	14.5	<0.00002					
MW13-06D	4-Mar-2021	<0.001	28	<0.0001					
MW13-06D	27-Nov-2021	0.00027	22.3	<0.00002					
MW13-06D	4-Dec-2021	<0.0002	64.3	0.000105					
MW13-06S	4-Mar-2021	<0.001	57.7	<0.0001					
MW13-11D	3-Mar-2021	0.001	0.0756	<0.0001					
MW13-11D	12-May-2021	<0.001	<0.004	<0.0001					
MW13-11D	24-Sep-2021	<0.0002	0.0035	<0.00002					
MW13-11D	2-Nov-2021	0.00035	0.0013	<0.00002					
MW13-11S	3-Mar-2021	<0.001	5.12	<0.0001					
MW13-11S	12-May-2021	<0.001	6.69	<0.0001					
MW13-11S	2-Nov-2021	<0.0002	5.61	0.000024					
MW13-13	3-Mar-2021	<0.001	18.6	<0.0001					
MW13-13	25-May-2021	<0.001	15.4	<0.0001					
MW13-13	30-Sep-2021	<0.0002	4.36	<0.00002					
MW13-13	4-Nov-2021	<0.0002	9.68	<0.00002					
MW13-14D	21-Jan-2021								
MW13-14D	26-Jan-2021	<0.001	3.76	<0.0001					
MW13-14D	17-May-2021	<0.001	3.4	<0.0001					
MW13-14D	15-Aug-2021	<0.0002	4.28	<0.00002					
MW13-14D	1-Nov-2021	0.00023	6.67	<0.00002					
MW13-14S	21-Jan-2021								
MW13-14S	26-Jan-2021	<0.001	3.35	<0.0001					

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21E2294	1	No	Regular	MW13-14S	MW13-14S	17-May-2021	5.7	285						2.2	<1	2.2
21H2450	2	No	Regular	MW13-14S	MW13-14S	15-Aug-2021	5.69	403						3.1	<1	3.1
21K0622	10	No	Regular	MW13-14S	MW13-14S	1-Nov-2021	5.34	517						1.3	<1	1.3
21E2294	4	No	Regular	MW13-15D	MW13-15D	17-May-2021	7.64	262						78.6	<1	78.6
21H2450	7	No	Regular	MW13-15D	MW13-15D	16-Aug-2021	7.39	232						76.8	<1	76.8
21K0622	7	No	Regular	MW13-15D	MW13-15D	1-Nov-2021	7.45	254						82.2	<1	82.2
21E2294	3	No	Regular	MW13-15S	MW13-15S	17-May-2021	7.62	260						79.7	<1	79.7
21H2450	8	No	Regular	MW13-15S	MW13-15S	16-Aug-2021	6.63	492						36.4	<1	36.4
21K0622	8	No	Regular	MW13-15S	MW13-15S	1-Nov-2021	6.7	368						34.5	<1	34.5
21F0700	5	No	Regular	MW13-16D	MW13-16D	31-May-2021	6.59	204						47.5	<1	47.5
21H2450	13	No	Regular	MW13-16D	MW13-16D	16-Aug-2021	7.51	330						61.1	<1	61.1
21K0622	19	No	Regular	MW13-16D	MW13-16D	2-Nov-2021	7.54	379						61.8	<1	61.8
21B1328	6	No	Regular	MW13-16S	MW13-16S	27-Jan-2021	7.19	113	54.1					47.4	<1	47.4
21H2450	12	No	Regular	MW13-16S	MW13-16S	16-Aug-2021	7.22	160						49.6	<1	49.6
21K0622	20	No	Regular	MW13-16S	MW13-16S	2-Nov-2021	7.35	181						55.9	<1	55.9
21A2059	7	No	Regular	MW13-17	MW13-17	21-Jan-2021	6.79	329						55.4	<1	55.4
21E2294	6	No	Regular	MW13-17	MW13-17	17-May-2021	7.2	251						54.4	<1	54.4
21H2450	11	No	Regular	MW13-17	MW13-17	16-Aug-2021	6.98	297						64.3	<1	64.3
21K0622	21	No	Regular	MW13-17	MW13-17	2-Nov-2021	7.03	339						66.9	<1	66.9
21B1328	4	No	Regular	MW13-18D	MW13-18D	26-Jan-2021	7.6	454	236					96.6	<1	96.6
21C2507	2	No	Regular	MW13-18D	MW13-18D	12-Mar-2021	7.6	391	192					89	<1	89
21F0700	6	No	Regular	MW13-18D	MW13-18D	31-May-2021	6.67	398						77.5	<1	77.5
21H2450	10	No	Regular	MW13-18D	MW13-18D	16-Aug-2021	7.65	358						90.7	<1	90.7
21K0622	22	No	Regular	MW13-18D	MW13-18D	2-Nov-2021	7.69	458						94.8	<1	94.8
21B1328	3	No	Regular	MW13-18S	MW13-18S	26-Jan-2021	7.48	278	140					66.1	<1	66.1
21C2507	1	No	Regular	MW13-18S	MW13-18S	12-Mar-2021	7.5	305	127					69.8	<1	69.8
21E2294	8	No	Regular	MW13-18S	MW13-18S	17-May-2021	7.15	274						69.2	<1	69.2
21H2450	9	No	Regular	MW13-18S	MW13-18S	16-Aug-2021	7.33	322						68.1	<1	68.1
21K0622	23	No	Regular	MW13-18S	MW13-18S	2-Nov-2021	7.56	345						70.4	<1	70.4
21F0700	4	No	Regular	MW13-19	MW13-19	1-Jun-2021	6.35	116						40	<1	40
21L0607	3	No	Regular	MW13-19	MW13-19	25-Nov-2021	7.17	109						47.4	<1	47.4
21L1644	11	No	Regular	MW13-19	MW13-19	3-Dec-2021	6.92	105						44.7	<1	44.7
21F2521	5	No	Regular	MW13-6S	MW13-6S	17-Jun-2021	7.29	128						50.1	<1	50.1
21K1241	11	No	Regular	MW14-01 S	MW14-01 S	6-Nov-2021	4.77	680						<1	<1	<1
21D0165	12	No	Regular	MW14-03	MW14-03	25-Mar-2021	5.41	937	451					4	<1	4
21K1241	13	No	Regular	MW14-03 D	MW14-03 D	6-Nov-2021	6.55	148						45.3	<1	45.3
21K1241	12	No	Regular	MW14-03 S	MW14-03 S	6-Nov-2021	5.92	791						63.1	<1	63.1
21D0165	11	No	Regular	MW14-04	MW14-04	25-Mar-2021	4.65	1670	900					<1	<1	<1
21K1241	16	No	Regular	MW14-04 D	MW14-04 D	7-Nov-2021	3.65	2470						<1	<1	<1
21K1241	8	No	Regular	MW14-04 S	MW14-04 S	5-Nov-2021	2.86	4180						<1	<1	<1
21E0556	13	No	Regular	MW14-04D	MW14-04D	29-Apr-2021	4.6	1940						<1	<1	<1
21E0556	12	No	Regular	MW14-04M	MW14-04M	29-Apr-2021	6.86	339						41.5	<1	41.5
21K1241	7	No	Regular	MW14-05 M	MW14-05 M	5-Nov-2021	6.2	374						36	<1	36
21L1644	15	No	Regular	MW14-05D	MW14-05D	3-Dec-2021	6.63	319						36.7	<1	36.7
21A1450	6	No	Regular	MW16-01	MW16-01	15-Jan-2021	6.47	499						51.2	<1	51.2
21B2265	6	No	Regular	MW16-01	MW16-01	17-Feb-2021	7.35	434	214					100	<1	100
21D0165	5	No	Regular	MW16-01	MW16-01	24-Mar-2021	7.3	226	109					63.4	<1	63.4
21D2979	5	No	Regular	MW16-01	MW16-01	27-Apr-2021	7.07	442						61.7	<1	61.7
21H0424	1	No	Regular	MW16-01	MW16-01	1-Aug-2021	6.97	197						40.3	<1	40.3

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+ Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MW13-14S	17-May-2021	<1	<1	1.21		122														
MW13-14S	15-Aug-2021	<1	<1	1.4		191										0.387	66.9	0.000072	0.0051	0.0168
MW13-14S	1-Nov-2021	<1	<1	1.36		246														
MW13-15D	17-May-2021	<1	<1	0.72		62.9														
MW13-15D	16-Aug-2021	<1	<1	0.83		51.8										0.0216	17.5	0.000078	0.0084	0.00832
MW13-15D	1-Nov-2021	<1	<1	0.79		54.2														
MW13-15S	17-May-2021	<1	<1	0.72		62.8														
MW13-15S	16-Aug-2021	<1	<1	1.07		211										0.0146	74.9	0.000063	0.0067	0.0267
MW13-15S	1-Nov-2021	<1	<1	0.9		146														
MW13-16D	31-May-2021	<1	<1	0.92		45.5														
MW13-16D	16-Aug-2021	<1	<1	1.07		111										<0.002	38.5	<0.00005	0.0047	0.0168
MW13-16D	2-Nov-2021	<1	<1	1.08		133														
MW13-16S	27-Jan-2021	<1	<1	0.9		15														
MW13-16S	16-Aug-2021	<1	<1	1.01		33										0.0058	10.8	<0.00005	0.0032	0.011
MW13-16S	2-Nov-2021	<1	<1	0.95		36.1														
MW13-17	21-Jan-2021	<1	<1	0.91		111														
MW13-17	17-May-2021	<1	<1	0.96		73.1														
MW13-17	16-Aug-2021	<1	<1	0.96		89										0.0171	32.4	<0.00005	0.0053	0.0125
MW13-17	2-Nov-2021	<1	<1	0.85		107														
MW13-18D	26-Jan-2021	<1	<1	0.92		155														
MW13-18D	12-Mar-2021	<1	<1	0.91		123														
MW13-18D	31-May-2021	<1	<1	0.93		107														
MW13-18D	16-Aug-2021	<1	<1	0.94		101										0.0116	36.6	0.000077	0.0099	0.0162
MW13-18D	2-Nov-2021	<1	<1	1.01		143														
MW13-18S	26-Jan-2021	<1	<1	1.09		86.2														
MW13-18S	12-Mar-2021	<1	<1	1.1		85.9														
MW13-18S	17-May-2021	<1	<1	1.04		77.3														
MW13-18S	16-Aug-2021	<1	<1	1.04		98.3										0.0058	34.5	0.00008	0.0074	0.0198
MW13-18S	2-Nov-2021	<1	<1	1.23		106														
MW13-19	1-Jun-2021	<1	<1	1.05		10.4														
MW13-19	25-Nov-2021	<1	<1	1.25		11.8														
MW13-19	3-Dec-2021	<1	<1	1.34		8.9														
MW13-6S	17-Jun-2021	<1	<1	1.13		18.6														
MW14-01 S	6-Nov-2021	<1	<1	10.8		404														
MW14-03	25-Mar-2021	<1	<1	9.54		505														
MW14-03 D	6-Nov-2021	<1	<1	1.64		36.5														
MW14-03 S	6-Nov-2021	<1	<1	5.96		350														
MW14-04	25-Mar-2021	<1	<1	3.16		922														
MW14-04 D	7-Nov-2021	<1	<1	6.02		1860														
MW14-04 S	5-Nov-2021	<1	<1	1.75		4770														
MW14-04D	29-Apr-2021	<1	<1	3.93		1240														
MW14-04M	29-Apr-2021	<1	<1	2.29		126														
MW14-05 M	5-Nov-2021	<1	<1	2.12		162														
MW14-05D	3-Dec-2021	<1	<1	1.92		137														
MW16-01	15-Jan-2021	<1	<1	1.02		234														
MW16-01	17-Feb-2021	<1	<1	0.81		162														
MW16-01	24-Mar-2021	<1	<1	0.43		55.2														
MW16-01	27-Apr-2021	<1	<1	1.01		153														
MW16-01	1-Aug-2021	<1	<1	1.21		57										0.031	19.2	<0.00005	0.007	0.00403

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MW13-14S	17-May-2021																						
MW13-14S	15-Aug-2021	0.000113	<0.00001	0.00752	51.9	0.00013	0.00958	0.197	0.226	<0.01	0.000183	10.2	1.34	<0.00001	0.00918	0.000061	1.14	0.00018	<0.00005	6.17	<0.00001	4.12	0.088
MW13-14S	1-Nov-2021																						
MW13-15D	17-May-2021																						
MW13-15D	16-Aug-2021	<0.00001	<0.00001	0.0000148	35.5	0.00059	0.000021	0.00045	0.0284	<0.01	<0.00005	5.41	0.00153	0.000047	0.000085	0.000065	0.547	0.00114	<0.00005	6.2	<0.00001	1.69	0.0777
MW13-15D	1-Nov-2021																						
MW13-15S	17-May-2021																						
MW13-15S	16-Aug-2021	0.000015	<0.00001	0.00147	71	0.0003	0.0000106	0.0101	0.0087	<0.01	0.000155	10.2	0.00871	0.000016	0.00491	0.000067	1.35	<0.0001	<0.00005	5.08	<0.00001	4.32	0.111
MW13-15S	1-Nov-2021																						
MW13-16D	31-May-2021																						
MW13-16D	16-Aug-2021	<0.00001	<0.00001	0.0000137	53.6	0.00052	0.0000077	0.00078	0.0026	<0.01	<0.00005	5.9	0.000068	0.000143	0.000165	<0.00005	0.273	0.00017	<0.00005	3.2	<0.00001	2.02	0.0718
MW13-16D	2-Nov-2021																						
MW13-16S	27-Jan-2021																						
MW13-16S	16-Aug-2021	<0.00001	<0.00001	0.000381	25.6	0.00028	0.0000109	0.0031	0.0057	<0.01	<0.00005	1.95	0.000133	0.000149	0.000108	<0.00005	0.157	0.00012	<0.00005	2.34	<0.00001	1.19	0.0303
MW13-16S	2-Nov-2021																						
MW13-17	21-Jan-2021																						
MW13-17	17-May-2021																						
MW13-17	16-Aug-2021	<0.00001	<0.00001	0.000505	49.8	0.00031	0.0000261	0.00578	0.0157	<0.01	0.000072	4.03	0.000888	0.000126	0.000314	0.000051	0.368	0.00014	<0.00005	2.78	<0.00001	2.01	0.0519
MW13-17	2-Nov-2021																						
MW13-18D	26-Jan-2021																						
MW13-18D	12-Mar-2021																						
MW13-18D	31-May-2021																						
MW13-18D	16-Aug-2021	<0.00001	<0.00001	0.0000122	56.6	0.0007	0.0000116	0.00025	0.0127	<0.01	0.000169	8.93	0.000422	0.000091	0.000082	<0.00005	0.475	0.00174	<0.00005	6.83	<0.00001	2.47	0.0996
MW13-18D	2-Nov-2021																						
MW13-18S	26-Jan-2021																						
MW13-18S	12-Mar-2021																						
MW13-18S	17-May-2021																						
MW13-18S	16-Aug-2021	<0.00001	<0.00001	0.000078	48.1	0.00039	0.0000131	0.00041	0.0081	<0.01	0.000069	7.08	0.000296	0.000092	0.000134	<0.00005	0.368	0.00062	<0.00005	4.54	<0.00001	2.25	0.0791
MW13-18S	2-Nov-2021																						
MW13-19	1-Jun-2021																						
MW13-19	25-Nov-2021																						
MW13-19	3-Dec-2021																						
MW13-6S	17-Jun-2021																						
MW14-01 S	6-Nov-2021																						
MW14-03	25-Mar-2021																						
MW14-03 D	6-Nov-2021																						
MW14-03 S	6-Nov-2021																						
MW14-04	25-Mar-2021																						
MW14-04 D	7-Nov-2021																						
MW14-04 S	5-Nov-2021																						
MW14-04D	29-Apr-2021																						
MW14-04M	29-Apr-2021																						
MW14-05 M	5-Nov-2021																						
MW14-05D	3-Dec-2021																						
MW16-01	15-Jan-2021																						
MW16-01	17-Feb-2021																						
MW16-01	24-Mar-2021																						
MW16-01	27-Apr-2021																						
MW16-01	1-Aug-2021	<0.00001	<0.00001	0.000716	29.8	0.00032	0.000179	0.012	0.0114	<0.01	0.00013	4.58	0.00649	0.000023	0.00134	<0.00005	0.347	0.00022	<0.00005	5.03	<0.00001	1.55	0.0614

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MW13-14S	17-May-2021											0.351	41.3	<0.0005	<0.05	0.00011	<0.0001	0.0168	0.00467	36.5	<0.0005	0.00547	0.151	0.081
MW13-14S	15-Aug-2021	<0.00005	0.0000058	<0.00001	<0.0002	<0.0002	0.0000179	<0.0002	3.04	<0.00002		0.377	66.2	<0.00005	0.0049	0.000104	<0.00001	0.0167	0.00746	51	0.00014	0.00942	0.196	0.258
MW13-14S	1-Nov-2021											0.779	77.5	0.000065	0.0053	0.000201	<0.00001	0.0127	0.0101	58.7	0.00028	0.0126	0.309	0.139
MW13-15D	17-May-2021											<0.005	17.3	<0.0005	<0.05	<0.0001	<0.0001	0.0322	0.000013	34.9	<0.0005	<0.0001	0.00081	<0.01
MW13-15D	16-Aug-2021	<0.00005	<0.000004	<0.00001	0.001	<0.0002	0.0000119	0.00058	0.0024	<0.00002		<0.001	17.3	0.00008	0.0067	<0.00001	<0.00001	0.00806	0.0000129	38.3	0.00053	0.0000074	0.00056	<0.002
MW13-15D	1-Nov-2021											0.0071	18.2	<0.00005	0.0065	<0.00001	<0.00001	0.00855	0.0000239	36.3	0.00065	0.0000155	0.0007	0.0039
MW13-15S	17-May-2021											<0.005	18.8	<0.0005	<0.05	<0.0001	<0.0001	0.0081	0.000011	37.3	0.0005	<0.0001	0.0006	<0.01
MW13-15S	16-Aug-2021	0.000056	<0.000004	<0.00001	<0.0002	<0.0002	0.0000064	<0.0002	2.8	<0.00002		0.0082	71.8	<0.00005	0.0061	0.000011	<0.00001	0.0259	0.00139	68	0.00015	0.0000071	0.00968	<0.002
MW13-15S	1-Nov-2021											0.0095	49.4	<0.00005	0.0051	0.000012	<0.00001	0.0233	0.000797	54.4	0.0002	0.0000202	0.00591	0.0043
MW13-16D	31-May-2021											0.0057	13.1	<0.0005	<0.05	<0.0001	<0.0001	0.0123	0.000076	29.2	<0.0005	<0.0001	0.00198	<0.01
MW13-16D	16-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000524	0.00045	0.0024	<0.00002		<0.001	37.7	<0.00005	0.0038	<0.00001	<0.00001	0.0164	0.0000102	51.7	0.00034	<0.000005	0.00082	<0.002
MW13-16D	2-Nov-2021											0.0017	49.1	<0.00005	0.0045	<0.00001	<0.00001	0.0209	0.00001	57.4	0.00083	0.0000087	<0.0001	0.0027
MW13-16S	27-Jan-2021											<0.005	5.1	<0.0005	<0.05	<0.0001	<0.0001	0.0092	0.000425	19.4	<0.0005	<0.0001	0.00354	<0.01
MW13-16S	16-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000225	<0.0002	0.0945	0.000024		0.0013	10.6	<0.00005	0.0023	<0.00001	<0.00001	0.0109	0.000376	25.3	0.00041	0.0000111	0.00302	0.0032
MW13-16S	2-Nov-2021											0.002	12.4	0.000058	0.0034	<0.00001	<0.00001	0.0128	0.00027	28.9	0.00026	0.0000118	0.00236	<0.002
MW13-17	21-Jan-2021											0.0081	45.3	<0.0005	<0.05	<0.0001	<0.0001	0.0146	0.000725	59.1	<0.0005	<0.0001	0.00749	<0.01
MW13-17	17-May-2021											<0.005	24	<0.0005	<0.05	<0.0001	<0.0001	0.0103	0.000477	40	<0.0005	<0.0001	0.00412	<0.01
MW13-17	16-Aug-2021	<0.00005	<0.000004	<0.00001	0.00054	<0.0002	0.0000071	<0.0002	0.0638	<0.00002		0.0038	31	<0.00005	0.0038	<0.00001	<0.00001	0.0122	0.000499	45.9	0.00028	0.0000166	0.00569	<0.002
MW13-17	2-Nov-2021											0.0058	36.8	<0.00005	0.0048	<0.00001	<0.00001	0.014	0.000631	57.5	0.00021	0.0000264	0.006	0.004
MW13-18D	26-Jan-2021											0.0064	50.6	<0.0005	<0.05	<0.0001	<0.0001	0.0218	0.000033	74.7	0.00053	<0.0001	0.00235	<0.01
MW13-18D	12-Mar-2021											<0.005	42.9	<0.0005	<0.05	<0.0001	<0.0001	0.0175	0.000073	59.8	0.00051	<0.0001	0.00439	<0.01
MW13-18D	31-May-2021											0.0052	39	<0.0005	<0.05	<0.0001	<0.0001	0.0198	0.000197	58.7	0.00059	<0.0001	0.00495	<0.01
MW13-18D	16-Aug-2021	<0.00005	<0.000004	<0.00001	0.00038	<0.0002	0.0000213	0.00036	0.0047	<0.00002		<0.001	33.7	0.000063	0.0078	<0.00001	<0.00001	0.016	0.0000108	52.7	0.00059	0.0000059	0.00026	<0.002
MW13-18D	2-Nov-2021											0.0023	49.7	0.000055	0.0078	<0.00001	<0.00001	0.0211	0.0000303	61.9	0.00058	0.0000065	0.00053	<0.002
MW13-18S	26-Jan-2021											0.0114	29.4	<0.0005	<0.05	<0.0001	<0.0001	0.0165	0.000072	44.9	<0.0005	<0.0001	0.00732	<0.01
MW13-18S	12-Mar-2021											<0.005	28.3	<0.0005	<0.05	<0.0001	<0.0001	0.0144	0.000179	39.8	<0.0005	<0.0001	0.0111	<0.01
MW13-18S	17-May-2021											<0.005	25.1	<0.0005	<0.05	<0.0001	<0.0001	0.0161	0.000063	41.1	<0.0005	<0.0001	0.00074	<0.01
MW13-18S	16-Aug-2021	0.000056	<0.000004	<0.00001	0.00025	<0.0002	0.0000301	0.00035	0.0669	<0.00002		<0.001	34.1	0.000061	0.0055	<0.00001	<0.00001	0.0192	0.0000724	47.8	0.00035	0.0000069	0.00047	<0.002
MW13-18S	2-Nov-2021											0.0019	37.5	0.000072	0.006	<0.00001	<0.00001	0.0204	0.0000799	51.8	0.00046	0.0000076	0.00051	<0.002
MW13-19	1-Jun-2021											0.0181	4.1	<0.0005	<0.05	<0.0001	<0.0001	<0.005	0.000071	17.5	<0.0005	<0.0001	0.00065	<0.01
MW13-19	25-Nov-2021											0.0072	3.87	<0.00005	0.0027	<0.00001	<0.00001	0.00285	0.000255	17	0.00021	0.0000916	0.0023	0.0083
MW13-19	3-Dec-2021											0.0022	2.67	0.000076	0.003	<0.00001	<0.00001	0.00286	0.0000797	17.5	0.00025	0.0000086	0.00159	<0.002
MW13-6S	17-Jun-2021											<0.005	6.8	<0.0005	<0.05	<0.0001	<0.0001	0.0096	0.00049	22.2	<0.0005	<0.0001	0.00341	<0.01
MW14-01 S	6-Nov-2021											5.61	115	0.000799	0.0076	0.000535	<0.00001	0.02	0.0434	74.3	0.00121	0.0187	2.14	1.48
MW14-03	25-Mar-2021											3.24	172	<0.0005	<0.05	0.00033	<0.0001	0.0268	0.0584	136	<0.0005	0.0116	2.13	<0.02
MW14-03 D	6-Nov-2021											0.0225	12.6	0.000198	0.0044	<0.00001	<0.00001	0.0195	0.0006	20.4	0.00026	0.0000467	0.0105	0.0414
MW14-03 S	6-Nov-2021											0.0334	119	0.000194	0.0072	0.000014	<0.00001	0.0437	0.0128	117	0.0004	0.00006	0.0863	0.0251
MW14-04	25-Mar-2021											13.8	367	<0.0005	<0.05	0.00066	<0.0001	0.0211	0.0789	259	0.00062	0.0504	2.58	0.754
MW14-04 D	7-Nov-2021											32.4	281	0.000864	0.0104	0.000656	<0.00001	0.0215	0.153	168	0.00431	0.109	3.53	26.8
MW14-04 S	5-Nov-2021											103	226	0.00412	0.006	0.000642	0.000031	0.00632	0.549	85	0.0549	0.376	25.5	94.5
MW14-04D	29-Apr-2021											12	493	0.00051	<0.05	0.00063	<0.0001	0.037	0.0576	350	0.00122	0.0474	1.53	13.3
MW14-04M	29-Apr-2021											0.0259	44.9	<0.0005	<0.05	<0.0001	<0.0001	0.0208	0.000677	54	<0.0005	<0.0001	0.00423	0.045
MW14-05 M	5-Nov-2021											0.018	50.9	0.000072	0.0075	0.000017	<0.00001	0.0132	0.0044	54	0.00036	0.000128	0.0612	<0.002
MW14-05D	3-Dec-2021											0.0023	35.4	<0.00005	0.0063	<0.00001	<0.00001	0.00599	0.000319	49	0.00025	0.0000085	0.00236	<0.002
MW16-01	15-Jan-2021											0.064	86.6	<0.0005	<0.05	<0.0001	<0.0001	0.0316	0.00675	87.5	<0.0005	0.00061	0.0521	<0.01
MW16-01	17-Feb-2021											0.0073	54.9	<0.0005	<0.05	<0.0001	<0.0001	0.0242	0.00249	73.2	<0.0005	<0.0001	0.0268	<0.01
MW16-01	24-Mar-2021											0.0097	19.3	<0.0005	<0.05	<0.0001	<0.0001	0.0186	0.000576	39.9	<0.0005	<0.0001	0.00174	<0.01
MW16-01	27-Apr-2021											0.0354	49.9	<0.0005	<0.05	<0.0001	<0.0001	0.0358	0.00223	70.1	<0.0005	<0.0001	0.0109	<0.01
MW16-01	1-Aug-2021	<0.00005	<0.000004	<0.00001	0.00041	<0.0002	0.0000012	<0.0002	0.425	<0.00002		0.0088	19.1	<0.00005	0.0048	<0.00001	<0.00001	0.00418	0.000739	29.5	0.00019	0.000178	0.0117	<0.002

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MW13-14S	17-May-2021	<0.05	0.00017	5.7	0.659	<0.0001	0.00484	<0.0002	0.9		<0.0005	6.2	0.0727	<0.0002	<0.00005	2.7	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-14S	15-Aug-2021	0.011	0.000175	10.1	1.32	<0.00001	0.00897	0.000068	1.12	<0.00005	<0.0001	5.89	0.0861	<0.00005	<0.00001	4.02	<0.00005	<0.00005	0.000006	<0.00001	<0.0002	<0.0002	0.0000177
MW13-14S	1-Nov-2021	<0.01	0.000187	13	1.64	<0.00001	0.0117	0.0001	1.14		0.00042	6.47	0.107	<0.00005	<0.00001	4.25	<0.00005	<0.00005	0.0000051	<0.00001	<0.0002	<0.0002	0.0000294
MW13-15D	17-May-2021	<0.05	<0.0001	4.87	0.00032	<0.0001	<0.0004	0.00065	0.41		0.00111	5.5	0.0763	<0.0002	<0.00005	1.45	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-15D	16-Aug-2021	<0.01	<0.00005	5.36	0.00101	0.000034	<0.00004	<0.00005	0.533	<0.00005	0.00103	6.15	0.0755	<0.00005	<0.00001	1.66	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000118
MW13-15D	1-Nov-2021	<0.01	<0.00005	5.55	0.0015	0.000037	<0.00004	<0.00005	0.487		0.00151	5.53	0.0833	<0.00005	<0.00001	1.76	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000045
MW13-15S	17-May-2021	<0.05	<0.0001	5.2	<0.0002	<0.0001	<0.0004	<0.0002	0.44		0.00129	5.8	0.0812	<0.0002	<0.00005	1.54	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-15S	16-Aug-2021	<0.01	0.000154	9.87	0.00824	<0.00001	0.00456	<0.00005	1.3	<0.00005	<0.0001	5.25	0.108	<0.00005	<0.00001	4.08	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000067
MW13-15S	1-Nov-2021	<0.01	0.00016	6.83	0.0137	0.00001	0.0021	0.000097	1.12		0.00011	4.96	0.0874	<0.00005	<0.00001	3.33	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000009
MW13-16D	31-May-2021	<0.05	<0.0001	3.5	0.00117	0.00014	<0.0004	<0.0002	0.21		<0.0005	3.1	0.041	<0.0002	<0.00005	1.37	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-16D	16-Aug-2021	<0.01	<0.00005	5.84	<0.00005	0.000124	<0.00004	<0.00005	0.28	<0.00005	<0.0001	2.98	0.071	<0.00005	<0.00001	2	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000516
MW13-16D	2-Nov-2021	<0.01	<0.00005	7.69	0.000124	0.000117	0.000204	<0.00005	0.304		0.00021	3.23	0.0943	<0.00005	<0.00001	2.32	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000585
MW13-16S	27-Jan-2021	<0.05	<0.0001	1.36	0.00045	0.00012	<0.0004	<0.0002	0.1		<0.0005	2.2	0.0253	<0.0002	<0.00005	0.85	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-16S	16-Aug-2021	<0.01	<0.00005	1.92	0.000107	0.000139	0.000143	<0.00005	0.157	0.000243	<0.0001	2.27	0.0303	<0.00005	<0.00001	1.16	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000218
MW13-16S	2-Nov-2021	<0.01	<0.00005	2.23	0.000072	0.000135	<0.00004	<0.00005	0.176		0.00013	2.5	0.0362	<0.00005	<0.00001	1.36	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000271
MW13-17	21-Jan-2021	<0.05	<0.0001	4.05	0.00094	<0.0001	0.00156	<0.0002	0.31		<0.0005	2.8	0.0575	<0.0002	<0.00005	1.37	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-17	17-May-2021	<0.05	<0.0001	3.15	0.00102	<0.0001	0.00045	<0.0002	0.25		<0.0005	2.7	0.0445	<0.0002	<0.00005	1.37	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-17	16-Aug-2021	<0.01	<0.00005	3.95	0.000634	0.000122	0.000256	<0.00005	0.35	0.000105	<0.0001	2.82	0.0507	<0.00005	<0.00001	1.98	0.000098	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000006
MW13-17	2-Nov-2021	<0.01	0.000074	4.35	0.0022	0.000136	0.000301	<0.00005	0.387		<0.0001	2.8	0.0637	<0.00005	<0.00001	1.91	0.000125	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000104
MW13-18D	26-Jan-2021	<0.05	0.00019	11.9	0.00047	<0.0001	<0.0004	<0.0002	0.42		0.0012	7	0.138	<0.0002	<0.00005	2.46	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-18D	12-Mar-2021	<0.05	0.0002	10.3	0.00059	<0.0001	<0.0004	0.00045	0.38		0.00137	5.3	0.115	<0.0002	<0.00005	2.35	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-18D	31-May-2021	<0.05	0.00022	10.3	0.00098	0.00013	<0.0004	<0.0002	0.45		0.0015	7.2	0.11	<0.0002	<0.00005	2.28	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-18D	16-Aug-2021	<0.01	0.000121	8.32	0.000056	0.000091	<0.00004	<0.00005	0.442	<0.00005	0.00132	6.31	0.0946	<0.00005	<0.00001	2.32	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.00002
MW13-18D	2-Nov-2021	<0.01	0.000142	11.5	0.00103	0.00008	<0.00004	<0.00005	0.472		0.00133	6.29	0.132	<0.00005	<0.00001	2.61	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000241
MW13-18S	26-Jan-2021	<0.05	<0.0001	6.71	0.0011	<0.0001	<0.0004	<0.0002	0.26		0.00054	4.4	0.0758	<0.0002	<0.00005	1.7	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-18S	12-Mar-2021	<0.05	0.00012	6.68	0.00244	<0.0001	<0.0004	0.00055	0.24		0.00063	3.1	0.0683	<0.0002	<0.00005	1.71	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-18S	17-May-2021	<0.05	<0.0001	6.57	<0.0002	0.00021	<0.0004	<0.0002	0.29		0.0008	5.1	0.0685	<0.0002	<0.00005	1.76	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000029
MW13-18S	16-Aug-2021	<0.01	<0.00005	7.08	0.000065	0.000067	0.000085	<0.00005	0.352	<0.00005	0.00045	4.62	0.0766	<0.00005	<0.00001	2.23	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000298
MW13-18S	2-Nov-2021	<0.01	0.000061	8.18	0.000087	0.000095	0.000045	<0.00005	0.329		0.00077	4.35	0.0845	<0.00005	<0.00001	2.1	<0.00005	<0.00005	<0.000004	<0.00001	0.00022	<0.0002	0.0000442
MW13-19	1-Jun-2021	<0.05	<0.0001	1.29	0.00045	<0.0001	<0.0004	<0.0002	0.11		<0.0005	2.4	0.0249	<0.0002	<0.00005	0.87	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW13-19	25-Nov-2021	<0.01	<0.00005	1.34	0.0115	0.000035	0.000122	<0.00005	0.124		0.00013	2.53	0.0265	<0.00005	<0.00001	0.919	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001
MW13-19	3-Dec-2021	<0.01	<0.00005	1.12	0.000498	0.000047	<0.00004	<0.00005	0.098		0.0001	2.34	0.023	<0.00005	<0.00001	0.817	<0.00005	0.00006	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001
MW13-6S	17-Jun-2021	<0.05	<0.0001	1.69	0.00053	0.00015	0.00044	<0.0002	0.15		<0.0005	2.7	0.0267	<0.0002	<0.00005	1.17	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW14-01 S	6-Nov-2021	<0.01	0.000686	16.1	1.9	0.000021	0.0299	0.00831	0.52		0.00038	10.4	0.177	<0.00005	0.00003	6.37	<0.00005	<0.00005	0.0000074	0.00003	0.00069	<0.0002	0.000111
MW14-03	25-Mar-2021	<0.05	0.00019	27.2	2.32	<0.0001	0.0288	0.00109	0.82		<0.0005	10.6	0.264	<0.0002	<0.00005	9.05	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000049
MW14-03 D	6-Nov-2021	<0.01	<0.00005	3.07	0.0034	0.000013	0.000651	0.000167	0.188		<0.0001	4.04	0.044	<0.00005	<0.00001	1.78	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000024
MW14-03 S	6-Nov-2021	<0.01	0.000062	15.7	0.0236	<0.00001	0.0101	0.000181	0.913		0.00062	7.49	0.255	<0.00005	0.000011	5.79	<0.00005	<0.00005	<0.000004	<0.00001	0.00024	<0.0002	0.0000069
MW14-04	25-Mar-2021	<0.05	0.00282	61.2	7.99	<0.0001	0.0628	0.00082	1.23		<0.0005	16.8	0.586	<0.0002	<0.00005	8.29	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000309
MW14-04 D	7-Nov-2021	<0.01	0.00463	46.5	13.9	0.000012	0.129	0.00263	0.663		0.00064	20.4	0.74	<0.00005	0.000017	9.29	<0.00005	<0.00005	0.0000145	0.00006	0.00026	<0.0002	0.00114
MW14-04 S	5-Nov-2021	0.159	0.0087	35.4	23	0.000069	0.309	0.187	0.088		0.00288	43.5	0.844	0.000091	0.000253	6.28	0.000176	0.000266	0.000303	0.00184	0.0708	<0.0002	0.00595
MW14-04D	29-Apr-2021	<0.05	0.00561	80.5	13.5	<0.0001	0.0631	0.00091	1.26		<0.0005	19.7	0.71	<0.0002	<0.00005	14.9	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000291
MW14-04M	29-Apr-2021	<0.05	<0.0001	6.54	0.00589	<0.0001	0.00457	<0.0002	0.51		0.00058	5.3	0.133	<0.0002	<0.00005	2.28	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW14-05 M	5-Nov-2021	<0.01	0.000061	6.97	0.022	0.000029	0.00665	0.00317	0.775		0.00068	7.09	0.158	<0.00005	<0.00001	2.19	0.000054	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000065
MW14-05D	3-Dec-2021	<0.01	<0.00005	4.91	0.000567	0.00001	0.000487	<0.00005	0.485		0.00044	4.5	0.113	<0.00005	<0.00001	1.75	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001
MW16-01	15-Jan-2021	<0.05	<0.0001	11.4	0.165	0.00016	0.00618	0.00024	0.56		<0.0005	11.2	0.198	<0.0002	<0.00005	2.78	0.00035	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW16-01	17-Feb-2021	<0.05	0.00016	7.58	0.0112	0.00031	0.00268	<0.0002	0.43		<0.0005	6.8	0.142	0.00026	<0.00005	1.82	0.00055	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW16-01	24-Mar-2021	<0.05	<0.0001	2.29	<0.006	0.00063	<0.0004	<0.0002	0.17		<0.0005	2	0.0764	<0.0002	<0.00005	0.63	0.00046	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW16-01	27-Apr-2021	<0.05	<0.0001	6.33	0.0108	0.00036	0.0019	<0.0002	0.31		<0.0005	5	0.131	<0.0002	<0.00005	1.47	0.0005	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW16-01	1-Aug-2021	<0.01	0.00011	4.44	0.00601	0.000012	0.00127	<0.00005	0.326	<0.00005	0.00026	4.85	0.0593	<0.00005	<0.00001	1.49	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000012

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW13-14S	17-May-2021	<0.001	1.67	<0.0001					
MW13-14S	15-Aug-2021	<0.0002	2.97	<0.00002					
MW13-14S	1-Nov-2021	<0.0002	4.26	<0.00002					
MW13-15D	17-May-2021	<0.001	<0.004	<0.0001					
MW13-15D	16-Aug-2021	0.0005	0.0034	<0.00002					
MW13-15D	1-Nov-2021	0.00051	0.0077	<0.00002					
MW13-15S	17-May-2021	<0.001	<0.004	<0.0001					
MW13-15S	16-Aug-2021	<0.0002	2.74	<0.00002					
MW13-15S	1-Nov-2021	0.00021	1.21	<0.00002					
MW13-16D	31-May-2021	0.0014	0.0115	<0.0001					
MW13-16D	16-Aug-2021	0.0003	0.0022	<0.00002					
MW13-16D	2-Nov-2021	0.00069	0.0015	<0.00002					
MW13-16S	27-Jan-2021	<0.001	0.143	<0.0001					
MW13-16S	16-Aug-2021	<0.0002	0.095	<0.00002					
MW13-16S	2-Nov-2021	0.00043	0.083	<0.00002					
MW13-17	21-Jan-2021	<0.001	0.091	<0.0001					
MW13-17	17-May-2021	<0.001	0.057	<0.0001					
MW13-17	16-Aug-2021	<0.0002	0.0625	<0.00002					
MW13-17	2-Nov-2021	<0.0002	0.0796	<0.00002					
MW13-18D	26-Jan-2021	<0.001	0.0084	<0.0001					
MW13-18D	12-Mar-2021	<0.001	0.0219	<0.0001					
MW13-18D	31-May-2021	0.0011	0.136	<0.0001					
MW13-18D	16-Aug-2021	0.00024	0.005	<0.00002					
MW13-18D	2-Nov-2021	0.00049	0.01	<0.00002					
MW13-18S	26-Jan-2021	<0.001	0.0431	<0.0001					
MW13-18S	12-Mar-2021	<0.001	0.0726	<0.0001					
MW13-18S	17-May-2021	<0.001	0.0353	<0.0001					
MW13-18S	16-Aug-2021	<0.0002	0.0649	<0.00002					
MW13-18S	2-Nov-2021	0.0006	0.0555	<0.00002					
MW13-19	1-Jun-2021	0.0012	0.0165	<0.0001					
MW13-19	25-Nov-2021	<0.0002	0.048	<0.00002					
MW13-19	3-Dec-2021	<0.0002	0.0566	<0.00002					
MW13-6S	17-Jun-2021	<0.001	0.135	<0.0001					
MW14-01 S	6-Nov-2021	0.00068	28.2	0.000036					
MW14-03	25-Mar-2021	<0.001	27.1	<0.0001					
MW14-03 D	6-Nov-2021	0.00065	1.15	<0.00002					
MW14-03 S	6-Nov-2021	0.00036	6.52	<0.00002					
MW14-04	25-Mar-2021	<0.001	27	<0.0001					
MW14-04 D	7-Nov-2021	0.00022	55.1	0.000054					
MW14-04 S	5-Nov-2021	0.001	124	0.000235					
MW14-04D	29-Apr-2021	<0.001	27.9	<0.0001					
MW14-04M	29-Apr-2021	<0.001	0.379	<0.0001					
MW14-05 M	5-Nov-2021	0.0005	3.01	<0.00002					
MW14-05D	3-Dec-2021	<0.0002	0.303	<0.00002					
MW16-01	15-Jan-2021	<0.001	3.01	<0.0001					
MW16-01	17-Feb-2021	<0.001	1.14	<0.0001					
MW16-01	24-Mar-2021	<0.001	0.193	<0.0001					
MW16-01	27-Apr-2021	<0.001	0.953	<0.0001					
MW16-01	1-Aug-2021	<0.0002	0.43	<0.00002					

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21J2028	2	No	Regular	MW16-01	MW16-01	13-Oct-2021	7.22	426						39	<1	39
21K2546	4	No	Regular	MW16-01	MW16-01	13-Nov-2021	5.65	570						12	<1	12
21L1644	2	No	Regular	MW16-01	MW16-01	7-Dec-2021	6.31	537						24.8	<1	24.8
21A1450	7	No	Regular	MW16-02	MW16-02	15-Jan-2021	4.71	594						<1	<1	<1
21B2265	9	No	Regular	MW16-02	MW16-02	17-Feb-2021	5.9	871	504					6.3	<1	6.3
21D0165	9	No	Regular	MW16-02	MW16-02	25-Mar-2021	4.83	503	224					<1	<1	<1
21D2979	12	No	Regular	MW16-02	MW16-02	20-Apr-2021	5.06	724						<1	<1	<1
21E2294	19	No	Regular	MW16-02	MW16-02	16-May-2021	5.13	848						<1	<1	<1
21J2028	3	No	Regular	MW16-02	MW16-02	13-Oct-2021	4.41	1210						<1	<1	<1
21K2546	5	No	Regular	MW16-02	MW16-02	13-Nov-2021	4.32	976						<1	<1	<1
21L1644	3	No	Regular	MW16-02	MW16-02	7-Dec-2021	4.5	908						<1	<1	<1
21A2089	3	No	Regular	MW16-03	MW16-03	19-Jan-2021	6.64	649						46.4	<1	46.4
21B2853	4	No	Regular	MW16-03	MW16-03	25-Feb-2021	6.5	1150	639					78.3	<1	78.3
21D0165	8	No	Regular	MW16-03	MW16-03	25-Mar-2021	6.64	517	236					50.7	<1	50.7
21D2979	13	No	Regular	MW16-03	MW16-03	20-Apr-2021	6.73	778						62.4	<1	62.4
21A2089	4	No	Regular	MW16-04	MW16-04	19-Jan-2021	4.61	649						<1	<1	<1
21B2853	5	No	Regular	MW16-04	MW16-04	23-Feb-2021	4.89	271	95.3					<1	<1	<1
21D0165	7	No	Regular	MW16-04	MW16-04	25-Mar-2021	4.75	480	198					<1	<1	<1
21D2979	14	No	Regular	MW16-04	MW16-04	20-Apr-2021	4.8	417						<1	<1	<1
21E2294	21	No	Regular	MW16-04	MW16-04	16-May-2021	4.76	318						<1	<1	<1
21H0424	2	No	Regular	MW16-04	MW16-04	1-Aug-2021	5.16	263						1.3	<1	1.3
21J2028	4	No	Regular	MW16-04	MW16-04	13-Oct-2021	5.17	307						1.2	<1	1.2
21K2546	6	No	Regular	MW16-04	MW16-04	13-Nov-2021	4.41	798						<1	<1	<1
21L1644	4	No	Regular	MW16-04	MW16-04	7-Dec-2021	4.39	566						<1	<1	<1
21B2853	8	No	Regular	MW16-05	MW16-05	23-Feb-2021	6.78	286	95.1					62.8	<1	62.8
21D2979	4	No	Regular	MW16-05	MW16-05	27-Apr-2021	6.72	304						47.3	<1	47.3
21E2294	22	No	Regular	MW16-05	MW16-05	16-May-2021	6.75	189						26.3	<1	26.3
21K2546	7	No	Regular	MW16-05	MW16-05	13-Nov-2021	6.12	368						40.5	<1	40.5
21L1644	16	No	Regular	MW16-05	MW16-05	8-Dec-2021	6.44	261						32.9	<1	32.9
21J0455	4	No	Regular	MW17-02 D	MW17-02 D	30-Sep-2021	3.89	609						<1	<1	<1
21A2059	3	No	Regular	MW17-02D	MW17-02D	21-Jan-2021	4.94	1090						2.4	<1	2.4
21B2853	11	No	Regular	MW17-02D	MW17-02D	24-Feb-2021	4.61	1450	658					<1	<1	<1
21C3425	3	No	Regular	MW17-02D	MW17-02D	24-Mar-2021	4.53	1450	690					<1	<1	<1
21D2979	10	No	Regular	MW17-02D	MW17-02D	13-Apr-2021	4.32	1380						<1	<1	<1
21F2521	3	No	Regular	MW17-02D	MW17-02D	16-Jun-2021	3.61	577						<1	<1	<1
21G2909	1	No	Regular	MW17-02D	MW17-02D	20-Jul-2021	3.34	911						<1	<1	<1
21H0438	2	No	Regular	MW17-02D	MW17-02D	2-Aug-2021	3.59	993						<1	<1	<1
21K0622	6	No	Regular	MW17-02D	MW17-02D	31-Oct-2021	3.82	1460						<1	<1	<1
21L3061	1	No	Regular	MW17-02D	MW17-02D	16-Dec-2021	3.9	2010						<1	<1	<1
21C1189	8	No	Regular	MW17-03	MW17-03	2-Mar-2021	3.65	1850	976					<1	<1	<1
21D2979	11	No	Regular	MW17-03	MW17-03	13-Apr-2021	3.68	1980						<1	<1	<1
21E2294	18	No	Regular	MW17-03	MW17-03	16-May-2021	3.67	1820						<1	<1	<1
21G2909	2	No	Regular	MW17-03	MW17-03	20-Jul-2021	3.22	1030						<1	<1	<1
21H0438	3	No	Regular	MW17-03	MW17-03	2-Aug-2021	4.09	750						<1	<1	<1
21J0455	5	No	Regular	MW17-03	MW17-03	30-Sep-2021	3.22	1180						<1	<1	<1
21K0622	5	No	Regular	MW17-03	MW17-03	31-Oct-2021	3.39	1810						<1	<1	<1
21L0607	2	No	Regular	MW17-03	MW17-03	25-Nov-2021	3.09	2530						<1	<1	<1
21L3061	2	No	Regular	MW17-03	MW17-03	16-Dec-2021	3.27	2690						<1	<1	<1
21F1766	2	No	Regular	MW17-03 D	MW17-03 D	8-Jun-2021	3.56	1290						<1	<1	<1

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+ Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MW16-01	13-Oct-2021	<1	<1	0.48		188										0.0238	66.4	0.000125	0.0072	0.021
MW16-01	13-Nov-2021	<1	<1																	
MW16-01	7-Dec-2021	<1	<1	1.57		459														
MW16-02	15-Jan-2021	<1	<1	0.98		345														
MW16-02	17-Feb-2021	<1	<1	0.96		447														
MW16-02	25-Mar-2021	<1	<1	0.55		247														
MW16-02	20-Apr-2021	<1	<1	0.63		478														
MW16-02	16-May-2021	<1	<1	0.78		553														
MW16-02	13-Oct-2021	<1	<1	0.91		748										17.9	251	0.000732	0.0205	0.0159
MW16-02	13-Nov-2021	<1	<1																	
MW16-02	7-Dec-2021	<1	<1	0.93		515														
MW16-03	19-Jan-2021	<1	<1	0.96		325														
MW16-03	25-Feb-2021	<1	<1	1.42		697														
MW16-03	25-Mar-2021	<1	<1	0.48		216														
MW16-03	20-Apr-2021	<1	<1	1.22		348														
MW16-04	19-Jan-2021	<1	<1	1.79		407														
MW16-04	23-Feb-2021	<1	<1	2.6		122														
MW16-04	25-Mar-2021	<1	<1	1.81		250														
MW16-04	20-Apr-2021	<1	<1	2.05		194														
MW16-04	16-May-2021	<1	<1	1.7		196														
MW16-04	1-Aug-2021	<1	<1	1.28		127										1.31	40.5	0.000078	0.0078	0.0163
MW16-04	13-Oct-2021	<1	<1	1.31		283										1.36	48.1	0.000079	0.0074	0.016
MW16-04	13-Nov-2021	<1	<1																	
MW16-04	7-Dec-2021	<1	<1	1.81		544														
MW16-05	23-Feb-2021	<1	<1	17.6		68.6														
MW16-05	27-Apr-2021	<1	<1	2.23		100														
MW16-05	16-May-2021	<1	<1	1.62		62.4														
MW16-05	13-Nov-2021	<1	<1																	
MW16-05	8-Dec-2021	<1	<1	1.65		93.4														
MW17-02 D	30-Sep-2021	<1	<1	1.42		297										4.33	107	0.000421	0.0135	0.0181
MW17-02D	21-Jan-2021	<1	<1	1.49		663														
MW17-02D	24-Feb-2021	<1	<1	1.7		815														
MW17-02D	24-Mar-2021	<1	<1	1.91		849														
MW17-02D	13-Apr-2021	<1	<1	1.94		820														
MW17-02D	16-Jun-2021	<1	<1	1.37		416														
MW17-02D	20-Jul-2021	<1	<1	1.4		469														
MW17-02D	2-Aug-2021	<1	<1	1.53		717										8.49	176	0.000716	0.0097	0.0123
MW17-02D	31-Oct-2021	<1	<1	2.47		1470														
MW17-02D	16-Dec-2021	<1	<1	3.44		1230														
MW17-03	2-Mar-2021	<1	<1	1.87		1130														
MW17-03	13-Apr-2021	<1	<1	1.91		1490														
MW17-03	16-May-2021	<1	<1	2.18		1220														
MW17-03	20-Jul-2021	<1	<1	1.66		858														
MW17-03	2-Aug-2021	<1	<1	1.42		642										4.4	130	0.000816	0.0095	0.0214
MW17-03	30-Sep-2021	<1	<1	1.54		571										18.8	221	0.000893	0.0105	0.0136
MW17-03	31-Oct-2021	<1	<1	2.56		1330														
MW17-03	25-Nov-2021	<1	<1	2.99		1910										40.1	522	0.00511	0.0189	0.0945
MW17-03	16-Dec-2021	<1	<1	3.16		3320														
MW17-03 D	8-Jun-2021	<1	<1	1.72		929														

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MW16-01	13-Oct-2021	<0.00001	<0.00001	0.00239	81.9	0.00022	0.000115	0.00932	0.0183	<0.01	0.000143	4.39	0.00567	0.000836	0.00122	0.000193	0.342	0.00038	<0.00005	3.63	<0.00001	1.05	0.121
MW16-01	13-Nov-2021																						
MW16-01	7-Dec-2021																						
MW16-02	15-Jan-2021																						
MW16-02	17-Feb-2021																						
MW16-02	25-Mar-2021																						
MW16-02	20-Apr-2021																						
MW16-02	16-May-2021																						
MW16-02	13-Oct-2021	0.000898	<0.00001	0.0379	183	0.00088	0.0253	1.92	0.2	<0.01	0.00411	26.5	1.7	0.000026	0.0746	0.0125	0.877	0.00064	<0.00005	32.5	0.000061	3.16	0.321
MW16-02	13-Nov-2021																						
MW16-02	7-Dec-2021																						
MW16-03	19-Jan-2021																						
MW16-03	25-Feb-2021																						
MW16-03	25-Mar-2021																						
MW16-03	20-Apr-2021																						
MW16-04	19-Jan-2021																						
MW16-04	23-Feb-2021																						
MW16-04	25-Mar-2021																						
MW16-04	20-Apr-2021																						
MW16-04	16-May-2021																						
MW16-04	1-Aug-2021	0.0001	<0.00001	0.0122	33.2	0.00029	0.00319	0.546	0.0725	<0.01	0.00114	6.69	0.278	0.000015	0.00709	0.00169	0.469	0.00015	<0.00005	8.31	0.000015	1.94	0.0774
MW16-04	13-Oct-2021	0.000091	<0.00001	0.0178	36.8	0.00034	0.0073	0.627	0.022	<0.01	0.00132	9.74	0.471	<0.00001	0.0119	0.00137	0.439	0.00022	<0.00005	10.3	0.00001	2.14	0.0804
MW16-04	13-Nov-2021																						
MW16-04	7-Dec-2021																						
MW16-05	23-Feb-2021																						
MW16-05	27-Apr-2021																						
MW16-05	16-May-2021																						
MW16-05	13-Nov-2021																						
MW16-05	8-Dec-2021																						
MW17-02 D	30-Sep-2021	0.000527	<0.00001	0.0157	71.5	0.00015	0.0176	0.415	0.478	<0.01	0.000756	18.3	2.35	<0.00001	0.0253	0.000395	0.685	<0.0001	0.000331	7.34	<0.00001	3.34	0.155
MW17-02D	21-Jan-2021																						
MW17-02D	24-Feb-2021																						
MW17-02D	24-Mar-2021																						
MW17-02D	13-Apr-2021																						
MW17-02D	16-Jun-2021																						
MW17-02D	20-Jul-2021																						
MW17-02D	2-Aug-2021	0.000657	<0.00001	0.0199	104	0.00017	0.0386	0.615	20.2	<0.01	0.000614	34.1	5.19	0.000027	0.0562	0.000281	0.838	0.0001	0.000073	7.31	<0.00001	3.2	0.21
MW17-02D	31-Oct-2021																						
MW17-02D	16-Dec-2021																						
MW17-03	2-Mar-2021																						
MW17-03	13-Apr-2021																						
MW17-03	16-May-2021																						
MW17-03	20-Jul-2021																						
MW17-03	2-Aug-2021	0.000346	0.000027	0.0332	89.6	0.00045	0.0234	0.964	1.93	0.013	0.000951	25.1	3.32	0.000086	0.0273	0.00768	0.668	0.00016	0.000142	9.47	0.000073	3.4	0.2
MW17-03	30-Sep-2021	0.00104	<0.00001	0.0509	88.2	0.00335	0.0423	2.12	12.6	<0.01	0.00415	30.9	4.04	0.00002	0.0608	0.00205	0.633	0.00015	0.000554	12.8	0.000049	3.72	0.23
MW17-03	31-Oct-2021																						
MW17-03	25-Nov-2021	0.00131	0.000086	0.153	367	0.00832	0.109	4.79	56.2	0.037	0.00601	109	15.3	0.000389	0.137	0.0281	1.35	0.00057	0.000172	23.6	0.000284	8.03	0.846
MW17-03	16-Dec-2021																						
MW17-03 D	8-Jun-2021																						

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MW16-01	13-Oct-2021	<0.00005	<0.000004	<0.00001	0.00077	<0.0002	0.0000117	<0.0002	0.609	<0.00002		0.0053	64.2	0.000055	0.0049	<0.00001	<0.00001	0.0191	0.00234	80.5	0.00014	0.0000974	0.00915	<0.002
MW16-01	13-Nov-2021											0.346	95.1	<0.00005	0.0127	0.000039	<0.00001	0.0315	0.0105	93.5	0.00046	0.00208	0.145	0.0075
MW16-01	7-Dec-2021											0.121	73.9	0.000057	0.0094	0.000036	<0.00001	0.0238	0.00933	76.9	0.0003	0.00119	0.0992	<0.002
MW16-02	15-Jan-2021											3.98	112	<0.0005	<0.05	0.00017	<0.0001	0.0121	0.0118	103	<0.0005	0.00701	0.472	0.112
MW16-02	17-Feb-2021											0.805	175	<0.0005	<0.05	0.00014	<0.0001	0.0152	0.019	155	<0.0005	0.0114	0.496	0.017
MW16-02	25-Mar-2021											4.09	87.3	<0.0005	<0.05	0.00031	<0.0001	0.0168	0.0132	70.5	<0.0005	0.00985	0.687	<0.01
MW16-02	20-Apr-2021											2.33	121	<0.0005	<0.05	0.00016	<0.0001	0.0127	0.0166	106	<0.0005	0.0125	0.527	0.04
MW16-02	16-May-2021											3.7	144	<0.0005	<0.05	0.00022	<0.0001	0.013	0.022	127	<0.0005	0.0162	0.728	0.013
MW16-02	13-Oct-2021	<0.00005	0.0000439	<0.00001	0.00072	<0.0002	0.00042	<0.0002	10.8	0.000047		18.4	253	0.000658	0.0164	0.000752	<0.00001	0.0154	0.038	172	0.00083	0.0258	1.89	0.11
MW16-02	13-Nov-2021											9.37	189	0.000365	0.0189	0.000377	<0.00001	0.0142	0.0241	164	0.00081	0.0205	1.13	0.346
MW16-02	7-Dec-2021											7.67	157	0.000333	0.0144	0.000332	<0.00001	0.0129	0.0233	134	0.00049	0.0151	0.947	0.0742
MW16-03	19-Jan-2021											0.0346	128	<0.0005	<0.05	<0.0001	<0.0001	0.0199	0.0119	136	<0.0005	0.00177	0.0473	<0.01
MW16-03	25-Feb-2021											0.164	233	<0.0005	<0.05	<0.0001	<0.0001	0.0147	0.0194	215	<0.0005	0.0079	0.0833	1.11
MW16-03	25-Mar-2021											0.0818	73	<0.0005	<0.05	<0.0001	<0.0001	0.0189	0.00479	87.8	<0.0005	0.0005	0.045	<0.01
MW16-03	20-Apr-2021											0.0615	110	<0.0005	<0.05	<0.0001	<0.0001	0.02	0.00722	133	<0.0005	0.00104	0.0265	0.062
MW16-04	19-Jan-2021											9.47	128	<0.0005	<0.05	0.00042	<0.0001	0.0201	0.0526	71.5	0.00081	0.0197	2.28	0.025
MW16-04	23-Feb-2021											2.14	41.3	<0.0005	<0.05	0.00012	<0.0001	0.0113	0.0129	27.8	<0.0005	0.00385	0.69	<0.01
MW16-04	25-Mar-2021											4.16	82.9	<0.0005	<0.05	0.00024	<0.0001	0.0206	0.0293	53.6	<0.0005	0.0106	1.24	<0.01
MW16-04	20-Apr-2021											2.65	58.4	<0.0005	<0.05	0.00019	<0.0001	0.0149	0.0228	47	<0.0005	0.00735	0.967	<0.01
MW16-04	16-May-2021											3.2	47.6	<0.0005	<0.05	0.00019	<0.0001	0.0124	0.018	33	<0.0005	0.00628	0.9	<0.01
MW16-04	1-Aug-2021	<0.00005	<0.000004	<0.00001	0.00213	<0.0002	0.0000193	0.00033	3.83	<0.00002		1.09	40	<0.00005	0.006	0.000091	<0.00001	0.0161	0.0123	33	0.00013	0.00322	0.537	0.0035
MW16-04	13-Oct-2021	<0.00005	<0.000004	<0.00001	0.00095	<0.0002	0.0000215	<0.0002	4.91	<0.00002		1.34	47.9	0.000064	0.006	0.000081	<0.00001	0.0147	0.0174	35.6	0.00034	0.00725	0.626	<0.002
MW16-04	13-Nov-2021											19.8	159	0.000362	0.009	0.000565	<0.00001	0.0215	0.0787	80.4	0.001	0.0336	4.2	0.0155
MW16-04	7-Dec-2021											11.2	88.7	0.000237	0.0064	0.000377	<0.00001	0.014	0.0488	49.8	0.00064	0.0172	2.61	0.0097
MW16-05	23-Feb-2021											0.0232	24.4	<0.0005	<0.05	<0.0001	<0.0001	0.0233	0.00245	35.5	<0.0005	0.00015	0.0123	0.022
MW16-05	27-Apr-2021											0.0097	34.5	<0.0005	<0.05	<0.0001	<0.0001	0.0188	0.0051	45.5	<0.0005	<0.0001	0.00829	0.016
MW16-05	16-May-2021											0.0331	19.8	<0.0005	<0.05	<0.0001	<0.0001	0.0227	0.00419	28	<0.0005	<0.0001	0.0228	<0.01
MW16-05	13-Nov-2021											0.164	53.8	<0.00005	0.0068	0.000016	<0.00001	0.0259	0.007	65.1	0.00026	0.000315	0.061	0.0528
MW16-05	8-Dec-2021											0.0635	27.9	<0.00005	0.0051	0.000017	<0.00001	0.0193	0.00514	35.2	0.00023	0.0000919	0.0339	0.0417
MW17-02 D	30-Sep-2021	<0.00005	0.0000064	<0.00001	<0.0002	<0.0002	0.0000997	<0.0002	11.1	<0.00002		3.81	103	0.000388	0.0085	0.000475	<0.00001	0.0171	0.0155	64.3	0.00039	0.0169	0.342	4.93
MW17-02D	21-Jan-2021											4.15	217	0.00055	<0.05	0.00033	<0.0001	0.0257	0.0254	145	<0.0005	0.0396	0.435	14.6
MW17-02D	24-Feb-2021											12.5	304	0.00104	<0.05	0.00098	<0.0001	0.0284	0.0505	153	<0.0005	0.0791	1.16	44.6
MW17-02D	24-Mar-2021											11.5	289	0.00938	<0.05	0.00088	<0.0001	0.0328	0.0469	168	<0.0005	0.0722	1.02	38.2
MW17-02D	13-Apr-2021											10.5	257	0.00089	<0.05	0.00082	<0.0001	0.0278	0.0424	149	<0.0005	0.065	0.873	33.5
MW17-02D	16-Jun-2021											6.15	109	<0.0005	<0.05	0.00058	<0.0001	0.0109	0.0123	54.3	<0.0005	0.0229	0.407	13.3
MW17-02D	20-Jul-2021											8.34	138	0.00075	<0.05	0.00075	<0.0001	0.0101	0.0172	84.2	<0.0005	0.0364	0.594	20.7
MW17-02D	2-Aug-2021	<0.00005	0.0000099	<0.00001	<0.0002	<0.0002	0.0000919	<0.0002	18.8	0.000026		8.43	175	0.000648	0.0074	0.000707	<0.00001	0.0119	0.0197	102	0.00023	0.0402	0.608	24.9
MW17-02D	31-Oct-2021											7.05	275	0.000975	0.0134	0.00053	0.000013	0.0854	0.0502	149	0.00084	0.0549	0.813	18.6
MW17-02D	16-Dec-2021											12.1	355	0.00175	0.0182	0.000832	<0.00001	0.0548	0.0874	242	0.0003	0.0882	1.98	11.8
MW17-03	2-Mar-2021											17.8	395	0.00124	<0.05	0.00098	<0.0001	0.0316	0.109	250	0.00108	0.0945	3.14	4.84
MW17-03	13-Apr-2021											20.1	395	0.00167	<0.05	0.00111	<0.0001	0.0261	0.116	228	0.00132	0.103	3.46	26.6
MW17-03	16-May-2021											17.5	358	0.00084	<0.05	0.00089	<0.0001	0.0196	0.0957	173	0.00153	0.0773	2.28	96.5
MW17-03	20-Jul-2021											5.53	151	<0.0005	<0.05	0.0004	<0.0001	0.0081	0.0383	98.1	<0.0005	0.0285	1.03	20.2
MW17-03	2-Aug-2021	<0.00005	0.0000181	<0.00001	0.00666	<0.0002	0.000114	0.00044	13.6	0.00019		4.29	130	0.000215	0.0071	0.000389	<0.00001	0.00808	0.0334	87.4	0.00039	0.0246	0.967	2.66
MW17-03	30-Sep-2021	<0.00005	0.0000225	0.00008	0.00187	<0.0002	0.000966	<0.0002	17.7	0.000058		15.9	198	0.000735	0.0098	0.000897	<0.00001	0.00805	0.0452	86.2	0.00384	0.0367	2.21	25.9
MW17-03	31-Oct-2021											16.9	357	0.000767	0.0142	0.000685	<0.00001	0.0144	0.0949	155	0.00258	0.0664	2.77	16.6
MW17-03	25-Nov-2021	0.000143	0.000069	0.000242	0.0439	<0.0002	0.00116	0.00314	50.6	0.000353		32.7	525	0.00263	0.0149	0.00116	<0.00001	0.0195	0.14	348	0.00669	0.0931	4.13	68.8
MW17-03	16-Dec-2021											28.1	546	0.00245	0.0197	0.00121	<0.00001	0.0162	0.15	358	0.00284	0.109	4.06	87.7
MW17-03 D	8-Jun-2021											11.1	246	0.00059	<0.05	0.0007	<0.0001	0.0087	0.0641	134	0.0011	0.0504	1.75	35.4

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MW16-01	13-Oct-2021	<0.01	0.000123	4.18	0.00499	0.000767	0.00125	0.000107	0.329	0.000759	0.00046	3.41	0.116	<0.00005	<0.00001	0.988	0.000715	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000108
MW16-01	13-Nov-2021	<0.01	0.000338	13	0.326	0.00005	0.0117	0.00125	0.719		0.00021	14.5	0.216	<0.00005	0.000045	2.76	0.000257	<0.00005	0.0000087	<0.00001	<0.0002	<0.0002	0.0000172
MW16-01	7-Dec-2021	<0.01	0.000172	11.8	0.26	0.000042	0.00938	0.000433	0.594		0.00021	10.7	0.176	<0.00005	<0.00001	2.55	0.000248	<0.00005	0.0000042	<0.00001	<0.0002	<0.0002	0.0000092
MW16-02	15-Jan-2021	<0.05	0.0006	9.3	0.491	<0.0001	0.0196	0.0071	0.32		<0.0005	12.4	0.157	<0.0002	0.00008	1.27	<0.0002	<0.0005	0.00005	<0.0001	<0.005	<0.001	0.000085
MW16-02	17-Feb-2021	<0.05	0.00617	28.3	0.797	0.00011	0.0352	0.00056	0.61		<0.0005	16	0.251	<0.0002	<0.00005	7.73	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00135
MW16-02	25-Mar-2021	<0.05	0.00136	11.7	0.437	<0.0001	0.0261	0.00115	0.33		<0.0005	16.3	0.134	<0.0002	<0.00005	1.2	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000079
MW16-02	20-Apr-2021	<0.05	0.00102	17.9	0.863	<0.0001	0.0319	0.00086	0.37		<0.0005	14.3	0.171	<0.0002	<0.00005	1.58	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000042
MW16-02	16-May-2021	<0.05	0.00132	21.9	1.21	<0.0001	0.0388	0.0026	0.47		<0.0005	18.1	0.22	0.00056	<0.00005	2.04	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000054
MW16-02	13-Oct-2021	<0.01	0.00355	26.5	1.74	0.000025	0.076	0.0113	0.888	0.00014	0.00048	29.9	0.323	<0.00005	0.000042	3.14	0.000151	<0.00005	0.0000399	<0.00001	<0.0002	<0.0002	0.000391
MW16-02	13-Nov-2021	<0.01	0.00298	20.3	1.4	0.000015	0.045	0.0189	0.652		0.00035	24.7	0.258	<0.00005	0.000215	2.48	0.000077	<0.00005	0.0000856	<0.00001	0.0004	<0.0002	0.00019
MW16-02	7-Dec-2021	<0.01	0.0022	17.7	1.06	0.000017	0.0367	0.00752	0.524		0.00037	19.4	0.216	<0.00005	0.000061	2.04	0.000068	<0.00005	0.0000599	<0.00001	0.00026	<0.0002	0.000145
MW16-03	19-Jan-2021	<0.05	0.00015	9	2.44	<0.0001	0.0125	<0.0002	0.49		<0.0005	4.8	0.184	<0.0002	<0.00005	3.05	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW16-03	25-Feb-2021	<0.05	0.00035	24.3	6.42	<0.0001	0.0175	0.00077	0.7		<0.0005	7.6	0.272	<0.0002	<0.00005	4.03	0.00025	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW16-03	25-Mar-2021	<0.05	0.0002	4.04	0.403	<0.0001	0.00692	0.00031	0.4		<0.0005	3.8	0.131	<0.0002	<0.00005	3.1	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW16-03	20-Apr-2021	<0.05	0.00012	9.13	1.29	<0.0001	0.00879	0.00029	0.5		<0.0005	5.4	0.17	<0.0002	<0.00005	3.27	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW16-04	19-Jan-2021	<0.05	0.00224	22.6	1.62	0.00022	0.0304	0.00222	0.64		<0.0005	16.6	0.179	<0.0002	<0.00005	2.73	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000122
MW16-04	23-Feb-2021	<0.05	0.00172	6.23	0.268	<0.0001	0.00707	0.00088	0.33		<0.0005	6.5	0.0635	<0.0002	<0.00005	1.78	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000023
MW16-04	25-Mar-2021	<0.05	0.00181	15.5	0.914	<0.0001	0.018	0.00102	0.56		<0.0005	12.8	0.133	<0.0002	<0.00005	2.51	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000043
MW16-04	20-Apr-2021	<0.05	0.00145	11.4	0.624	<0.0001	0.0144	0.00049	0.49		<0.0005	10.4	0.0994	<0.0002	<0.00005	2.21	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000032
MW16-04	16-May-2021	<0.05	0.00156	8.32	0.452	<0.0001	0.0107	0.00079	0.44		<0.0005	10.9	0.0833	<0.0002	<0.00005	1.9	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000036
MW16-04	1-Aug-2021	<0.01	0.00106	6.6	0.277	0.000022	0.007	0.00147	0.464	0.000055	0.00019	7.75	0.0771	0.000081	<0.00001	1.92	0.000051	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000209
MW16-04	13-Oct-2021	<0.01	0.00122	8.75	0.472	<0.00001	0.0118	0.00128	0.43	<0.00005	0.00026	9.83	0.0788	<0.00005	0.000013	2.03	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000203
MW16-04	13-Nov-2021	<0.01	0.0057	27.4	2.4	<0.00001	0.0404	0.00399	0.647		0.00028	24	0.174	<0.00005	0.000022	2.53	<0.00005	<0.00005	0.0000061	<0.00001	0.00028	<0.0002	0.000173
MW16-04	7-Dec-2021	<0.01	0.00396	15.6	1.16	<0.00001	0.0224	0.0027	0.431		0.00019	14.8	0.108	<0.00005	0.000016	2.04	0.000051	0.000052	0.0000044	<0.00001	<0.0002	<0.0002	0.000114
MW16-05	23-Feb-2021	<0.05	0.00012	1.51	0.0718	0.00041	0.00081	0.00021	0.34		<0.0005	1.2	0.0673	<0.0002	<0.00005	12.9	0.00045	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW16-05	27-Apr-2021	<0.05	<0.0001	4.17	0.0172	0.00011	0.00271	<0.0002	0.41		<0.0005	5.6	0.0773	<0.0002	<0.00005	3.42	0.00032	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW16-05	16-May-2021	<0.05	0.0001	3.25	0.0241	<0.0001	0.00254	0.00057	0.34		<0.0005	6	0.0605	<0.0002	<0.00005	2.03	0.00021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW16-05	13-Nov-2021	<0.01	0.000155	6.79	0.134	0.000062	0.0053	0.000393	0.56		0.00014	8.11	0.121	<0.00005	<0.00001	2.56	0.000195	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000081
MW16-05	8-Dec-2021	<0.01	0.000124	4.72	0.0872	0.000037	0.00362	0.000224	0.421		0.00017	6.01	0.0713	<0.00005	<0.00001	2.04	0.00013	0.000075	<0.000004	<0.00001	<0.0002	<0.0002	0.0000025
MW17-02 D	30-Sep-2021	<0.01	0.000708	17.2	2.2	<0.00001	0.0244	0.00174	0.654	<0.00005	<0.0001	7.34	0.15	0.000306	<0.00001	3.19	<0.00005	<0.00005	0.0000055	<0.00001	<0.0002	<0.0002	0.00009
MW17-02D	21-Jan-2021	<0.05	0.00049	44.8	6.06	<0.0001	0.0536	0.00039	0.73		<0.0005	9.9	0.316	<0.0002	<0.00005	3.91	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00011
MW17-02D	24-Feb-2021	<0.05	0.00088	66.7	10.3	<0.0001	0.103	0.00474	1.11		<0.0005	9.4	0.389	<0.0002	<0.00005	4.39	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000153
MW17-02D	24-Mar-2021	<0.05	0.00075	65.6	10.3	<0.0001	0.0974	0.0006	1.21		<0.0005	10.3	0.366	<0.0002	<0.00005	5.04	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00014
MW17-02D	13-Apr-2021	<0.05	0.0008	60.1	9.01	<0.0001	0.0876	0.0004	1.06		<0.0005	9.7	0.311	0.00022	<0.00005	4.59	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000128
MW17-02D	16-Jun-2021	<0.05	0.00056	20.3	2.97	<0.0001	0.0304	0.00032	0.59		<0.0005	6.4	0.109	<0.0002	<0.00005	2.49	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00007
MW17-02D	20-Jul-2021	<0.05	0.0008	29.9	4.76	<0.0001	0.0488	0.00031	0.7		<0.0005	6.6	0.154	<0.0002	<0.00005	2.78	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000111
MW17-02D	2-Aug-2021	<0.01	0.000637	34.3	5.34	<0.00001	0.0579	0.000348	0.858	<0.00005	0.00014	7.12	0.216	0.000072	<0.00001	3.24	<0.00005	<0.00005	0.0000091	<0.00001	<0.0002	<0.0002	0.0000908
MW17-02D	31-Oct-2021	0.016	0.000795	51	8.86	0.00008	0.069	0.00414	1.07		0.00034	12.1	0.407	0.000528	0.00004	6.29	0.000074	<0.00005	0.0000142	0.000013	0.00685	<0.0002	0.000137
MW17-02D	16-Dec-2021	<0.01	0.00097	77.2	12.3	<0.00001	0.0947	0.000644	1.14		0.00034	15.2	0.59	0.000241	<0.00001	7.25	<0.00005	0.000083	0.0000095	<0.00001	<0.0002	<0.0002	0.000174
MW17-03	2-Mar-2021	<0.05	0.00447	85.6	12.1	<0.0001	0.0944	0.00831	0.99		<0.0005	15.5	0.529	<0.0002	<0.00005	5.5	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000344
MW17-03	13-Apr-2021	<0.05	0.002	88.3	13.4	<0.0001	0.108	0.0028	0.92		<0.0005	15.4	0.494	<0.0002	<0.00005	5.31	<0.0002	<0.0005	0.000023	<0.0001	<0.005	<0.001	0.000413
MW17-03	16-May-2021	<0.05	0.00492	68.7	9.48	<0.0001	0.101	0.00481	0.92		<0.0005	17.7	0.403	<0.0002	<0.00005	5.04	<0.0002	<0.0005	0.000053	<0.0001	<0.005	<0.001	0.00059
MW17-03	20-Jul-2021	<0.05	0.00186	30.4	4.04	<0.0001	0.0369	0.00088	0.6		<0.0005	10.7	0.196	<0.0002	<0.00005	3.69	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00016
MW17-03	2-Aug-2021	<0.01	0.000939	25.4	3.35	<0.00001	0.0285	0.00102	0.636	0.000102	0.00016	9.43	0.207	0.000137	<0.00001	3.42	<0.00005	<0.00005	0.000012	<0.00001	0.00027	<0.0002	0.000109
MW17-03	30-Sep-2021	<0.01	0.00371	29.5	4.26	<0.00001	0.0529	0.00339	0.597	<0.00005	0.00016	11.6	0.207	0.000396	0.000012	3.58	<0.00005	0.000101	0.0000185	0.000069	0.00048	<0.0002	0.00081
MW17-03	31-Oct-2021	<0.01	0.00172	62.7	10.2	<0.00001	0.0766	0.00255	0.829		0.00026	15	0.472	0.00006	0.000012	5.7	<0.00005	<0.00005	0.000024	0.000064	0.00091	<0.0002	0.000534
MW17-03	25-Nov-2021	<0.01	0.00466	90.8	14.7	<0.00001	0.119	0.00575	1.04	0.000302	0.00043	19.3	0.708	<0.00005	0.000027	6.65	<0.00005	0.000056	0.0000447	0.000198	0.00291	<0.0002	0.00102
MW17-03	16-Dec-2021	<0.01	0.0036	104	15.9	<0.00001	0.141	0.0027	1.05		0.00033	19.1	0.684	0.000068	<0.00001	7.05	<0.00005	0.000089	0.0000487	0.000098	0.00139	<0.0002	0.000741
MW17-03 D	8-Jun-2021	<0.05	0.003	47.9	6.42	<0.0001	0.0638	0.00351	0.75		<0.0005	14.2	0.294	<0.0002	<0.00005	4.08	<0.0002	<0.0005	0.000029	<0.0001	<0.005	<0.001	0.00034

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW16-01	13-Oct-2021	<0.0002	0.596	<0.00002					
MW16-01	13-Nov-2021	<0.0002	4.81	<0.00002					
MW16-01	7-Dec-2021	<0.0002	4.26	<0.00002					
MW16-02	15-Jan-2021	<0.001	2.83	<0.0001					
MW16-02	17-Feb-2021	<0.001	5.42	<0.0001					
MW16-02	25-Mar-2021	<0.001	3.59	<0.0001					
MW16-02	20-Apr-2021	<0.001	5.03	<0.0001					
MW16-02	16-May-2021	<0.001	6.12	<0.0001					
MW16-02	13-Oct-2021	<0.0002	10.1	0.000049					
MW16-02	13-Nov-2021	<0.0002	6.19	0.000021					
MW16-02	7-Dec-2021	<0.0002	6.17	<0.00002					
MW16-03	19-Jan-2021	<0.001	3.95	<0.0001					
MW16-03	25-Feb-2021	<0.001	5.06	<0.0001					
MW16-03	25-Mar-2021	<0.001	2.15	<0.0001					
MW16-03	20-Apr-2021	<0.001	3.06	<0.0001					
MW16-04	19-Jan-2021	<0.001	15.7	<0.0001					
MW16-04	23-Feb-2021	<0.001	3.44	<0.0001					
MW16-04	25-Mar-2021	<0.001	9.44	<0.0001					
MW16-04	20-Apr-2021	0.0011	7.5	<0.0001					
MW16-04	16-May-2021	<0.001	5.07	<0.0001					
MW16-04	1-Aug-2021	<0.0002	3.75	<0.00002					
MW16-04	13-Oct-2021	<0.0002	4.87	<0.00002					
MW16-04	13-Nov-2021	<0.0002	19.8	0.000045					
MW16-04	7-Dec-2021	<0.0002	14.8	0.000022					
MW16-05	23-Feb-2021	<0.001	0.579	<0.0001					
MW16-05	27-Apr-2021	<0.001	2	<0.0001					
MW16-05	16-May-2021	<0.001	1.63	<0.0001					
MW16-05	13-Nov-2021	<0.0002	3.02	<0.00002					
MW16-05	8-Dec-2021	<0.0002	2.24	<0.00002					
MW17-02 D	30-Sep-2021	<0.0002	11.2	<0.00002					
MW17-02D	21-Jan-2021	<0.001	14.7	<0.0001					
MW17-02D	24-Feb-2021	<0.001	31.7	<0.0001					
MW17-02D	24-Mar-2021	<0.001	29.8	<0.0001					
MW17-02D	13-Apr-2021	<0.001	28.9	<0.0001					
MW17-02D	16-Jun-2021	<0.001	9.42	<0.0001					
MW17-02D	20-Jul-2021	<0.001	17	<0.0001					
MW17-02D	2-Aug-2021	<0.0002	17.1	<0.00002					
MW17-02D	31-Oct-2021	0.00058	28.9	0.000039					
MW17-02D	16-Dec-2021	<0.0002	38	<0.00002					
MW17-03	2-Mar-2021	0.0012	47	<0.0001					
MW17-03	13-Apr-2021	0.001	50.8	<0.0001					
MW17-03	16-May-2021	<0.001	35.9	<0.0001					
MW17-03	20-Jul-2021	<0.001	17.2	<0.0001					
MW17-03	2-Aug-2021	<0.0002	12.2	<0.00002					
MW17-03	30-Sep-2021	0.00065	17.5	0.000046					
MW17-03	31-Oct-2021	0.00039	37.7	0.000047					
MW17-03	25-Nov-2021	0.00187	48.8	0.000113					
MW17-03	16-Dec-2021	0.00139	57.4	0.000057					
MW17-03 D	8-Jun-2021	<0.001	25.2	<0.0001					

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21L0607	5	No	Regular	MW17-03 DUP	MW17-03 DUP	25-Nov-2021	3.16	2430						<1	<1	<1
21D0165	3	No	Regular	MW17-04	MW17-04	23-Mar-2021			91.4							
21E2294	7	No	Regular	MW17-04	MW17-04	17-May-2021	7.34	143						26.1	<1	26.1
21G3561	6	No	Regular	MW17-04	MW17-04	25-Jul-2021	6.99	170						22.8	<1	22.8
21D0165	1	No	Regular	MW17-05	MW17-05	23-Mar-2021	7.11	211	102					63.4	<1	63.4
21E2294	5	No	Regular	MW17-05	MW17-05	17-May-2021	7.74	156						60	<1	60
21G3561	7	No	Regular	MW17-05	MW17-05	25-Jul-2021	7.39	150						49.9	<1	49.9
21J0455	9	No	Regular	MW17-05	MW17-05	30-Sep-2021	7.31	188						41.4	<1	41.4
21F0700	1	No	Regular	MW1706	MW1706	31-May-2021	5.73	561						22.5	<1	22.5
21D0165	2	No	Regular	MW17-07	MW17-07	23-Mar-2021			88.1							
21E3248	3	No	Regular	MW17-07	MW17-07	25-May-2021	6.98	139						43.5	<1	43.5
21D0165	17	No	Regular	MW17-07A	MW17-07A	23-Mar-2021	6.97	191						53.6	<1	53.6
21D0165	18	No	Regular	MW17-07B	MW17-07B	23-Mar-2021	7.11	203						49.2	<1	49.2
21C1189	1	No	Regular	MW17-08	MW17-08	3-Mar-2021	6.81	452	1080					48.8	<1	48.8
21D0165	4	No	Regular	MW17-08	MW17-08	23-Mar-2021	6.68	515	243					46.9	<1	46.9
21E2294	15	No	Regular	MW17-08	MW17-08	9-May-2021	7.09	451						45.6	<1	45.6
21J0455	3	No	Regular	MW17-08	MW17-08	30-Sep-2021	6.97	273						55.4	<1	55.4
21K1241	4	No	Regular	MW17-08	MW17-08	4-Nov-2021	6.43	295						54.2	<1	54.2
21D0165	16	No	Regular	MW18-01	MW18-01	25-Mar-2021	6.54	192	83.5					31.7	<1	31.7
21D0165	15	No	Regular	MW18-02	MW18-02	25-Mar-2021	6.55	189	83					31.6	<1	31.6
21D0165	14	No	Regular	MW18-03	MW18-03	25-Mar-2021	6.37	233	103					25.1	<1	25.1
21D0165	13	No	Regular	MW18-04	MW18-04	25-Mar-2021	6.58	155	67.7					35.1	<1	35.1
21A1450	4	No	Regular	MW18-06D	MW18-06D	15-Jan-2021	6.39	165						37.1	<1	37.1
21B2265	2	No	Regular	MW18-06D	MW18-06D	17-Feb-2021	6.34	218	57.4					27.4	<1	27.4
21C3425	8	No	Regular	MW18-06D	MW18-06D	19-Mar-2021	5.43	258	94.5					3.9	<1	3.9
21D2979	7	No	Regular	MW18-06D	MW18-06D	8-Apr-2021	6.39	217						24.5	<1	24.5
21H0438	4	No	Regular	MW18-06D	MW18-06D	2-Aug-2021	6.49	174						17.5	<1	17.5
21J2028	5	No	Regular	MW18-06D	MW18-06D	13-Oct-2021	6.63	147						23.6	<1	23.6
21K3320	2	No	Regular	MW18-06D	MW18-06D	19-Nov-2021	6.96	149						35.1	<1	35.1
21L2270	2	No	Regular	MW18-06D	MW18-06D	9-Dec-2021	6.74	166						36	<1	36
21A1450	5	No	Regular	MW18-06S	MW18-06S	15-Jan-2021	5.58	215						3.9	<1	3.9
21B2265	1	No	Regular	MW18-06S	MW18-06S	17-Feb-2021	5.53	259	149					4.8	<1	4.8
21C3425	7	No	Regular	MW18-06S	MW18-06S	19-Mar-2021	6.43	215	108					25.6	<1	25.6
21D2979	9	No	Regular	MW18-06S	MW18-06S	8-Apr-2021	6.08	256						3.7	<1	3.7
21H0438	5	No	Regular	MW18-06S	MW18-06S	2-Aug-2021	5.91	214						5.6	<1	5.6
21J2028	6	No	Regular	MW18-06S	MW18-06S	13-Oct-2021	5.71	215						3.6	<1	3.6
21K3320	1	No	Regular	MW18-06S	MW18-06S	19-Nov-2021	5.89	223						7	<1	7
21L2270	1	No	Regular	MW18-06S	MW18-06S	9-Dec-2021	6.05	215						4.4	<1	4.4
21A1450	2	No	Regular	MW18-07D	MW18-07D	15-Jan-2021	6.61	108						50.3	<1	50.3
21B2265	7	No	Regular	MW18-07D	MW18-07D	18-Feb-2021	6.13	143	100					9.3	<1	9.3
21C3425	2	No	Regular	MW18-07D	MW18-07D	23-Mar-2021	5.52	157	59.4					3.1	<1	3.1
21D2979	8	No	Regular	MW18-07D	MW18-07D	8-Apr-2021	6.31	137						13.7	<1	13.7
21E0556	4	No	Regular	MW18-07D	MW18-07D	5-May-2021	6.99	110						34.1	<1	34.1
21H0438	6	No	Regular	MW18-07D	MW18-07D	2-Aug-2021	6.97	106						25.5	<1	25.5
21J2028	7	No	Regular	MW18-07D	MW18-07D	13-Oct-2021	5.95	134						4.2	<1	4.2
21K3320	3	No	Regular	MW18-07D	MW18-07D	22-Nov-2021	7.24	100						41.1	<1	41.1
21L1644	8	No	Regular	MW18-07D	MW18-07D	5-Dec-2021	6.69	113						13	<1	13
21A1450	3	No	Regular	MW18-07S	MW18-07S	15-Jan-2021	4.67	393						<1	<1	<1
21B2853	1	No	Regular	MW18-07S	MW18-07S	25-Feb-2021	6.76	527	159					106	<1	106

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+ Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MW17-03 DUP	25-Nov-2021	<1	<1	3		1910														
MW17-04	23-Mar-2021																			
MW17-04	17-May-2021	<1	<1	1		41.7														
MW17-04	25-Jul-2021	<1	<1	1.15		55.9														
MW17-05	23-Mar-2021	<1	<1	0.72		49.9														
MW17-05	17-May-2021	<1	<1	0.73		24.1														
MW17-05	25-Jul-2021	<1	<1	0.87		31.5														
MW17-05	30-Sep-2021	<1	<1	1		54.3										0.0089	18	0.000115	0.009	0.0128
MW1706	31-May-2021	<1	<1	1.09		262														
MW17-07	23-Mar-2021																			
MW17-07	25-May-2021	<1	<1	0.82		31.5														
MW17-07A	23-Mar-2021	<1	<1	0.82		44.7														
MW17-07B	23-Mar-2021	<1	<1	1.16		53.7														
MW17-08	3-Mar-2021	<1	<1	1.53		181														
MW17-08	23-Mar-2021	<1	<1	2.58		214														
MW17-08	9-May-2021	<1	<1	1.88		175														
MW17-08	30-Sep-2021	<1	<1	1.23		111										0.116	31.8	0.00173	0.0082	0.0427
MW17-08	4-Nov-2021	<1	<1	1.42		106														
MW18-01	25-Mar-2021	<1	<1	1.51		58														
MW18-02	25-Mar-2021	<1	<1	1.5		57.1														
MW18-03	25-Mar-2021	<1	<1	1.45		82.6														
MW18-04	25-Mar-2021	<1	<1	1.51		37.1														
MW18-06D	15-Jan-2021	<1	<1	0.94		85.8														
MW18-06D	17-Feb-2021	<1	<1	0.92		75.7														
MW18-06D	19-Mar-2021	<1	<1	0.86		107														
MW18-06D	8-Apr-2021	<1	<1	1.01		74.1														
MW18-06D	2-Aug-2021	<1	<1	1.13		66.4										0.0408	20.2	<0.00005	0.0054	0.0138
MW18-06D	13-Oct-2021	<1	<1	1.05		43.2										0.0502	15.5	0.000069	0.005	0.01
MW18-06D	19-Nov-2021	<1	<1	1.21		37.7										0.0196	10.7	<0.00005	0.0042	0.00828
MW18-06D	9-Dec-2021	<1	<1	1.19		41.8														
MW18-06S	15-Jan-2021	<1	<1	0.77		92.1														
MW18-06S	17-Feb-2021	<1	<1	0.82		104														
MW18-06S	19-Mar-2021	<1	<1	1.03		75.1														
MW18-06S	8-Apr-2021	<1	<1	0.82		109														
MW18-06S	2-Aug-2021	<1	<1	1.17		91.4										0.209	30.5	0.000059	0.0067	0.0146
MW18-06S	13-Oct-2021	<1	<1	1.1		80.3										0.192	31.3	0.000081	0.0075	0.0149
MW18-06S	19-Nov-2021	<1	<1	1.04		93										0.226	26.7	0.00009	0.0067	0.0168
MW18-06S	9-Dec-2021	<1	<1	1.04		87.4														
MW18-07D	15-Jan-2021	<1	<1	1.05		16.2														
MW18-07D	18-Feb-2021	<1	<1	1.01		51.7														
MW18-07D	23-Mar-2021	<1	<1	1.02		63.9														
MW18-07D	8-Apr-2021	<1	<1	1		45.5														
MW18-07D	5-May-2021	<1	<1	0.98		19.9														
MW18-07D	2-Aug-2021	<1	<1	0.64		28										0.332	8	<0.00005	0.0038	0.0088
MW18-07D	13-Oct-2021	<1	<1	0.71		53.7										2.95	19.6	0.00011	0.0036	0.00866
MW18-07D	22-Nov-2021	<1	<1	1.1		11.8														
MW18-07D	5-Dec-2021	<1	<1	1.11		21.5														
MW18-07S	15-Jan-2021	<1	<1	0.89		236														
MW18-07S	25-Feb-2021	<1	<1	1		205														

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MW17-03 DUP	25-Nov-2021																						
MW17-04	23-Mar-2021																						
MW17-04	17-May-2021																						
MW17-04	25-Jul-2021																						
MW17-05	23-Mar-2021																						
MW17-05	17-May-2021																						
MW17-05	25-Jul-2021																						
MW17-05	30-Sep-2021	<0.00001	<0.00001	0.00029	31.7	0.00025	0.0000092	0.00225	0.0036	<0.01	<0.00005	2.66	0.000227	0.000583	0.000264	0.000491	0.397	0.0004	<0.00005	2.11	<0.00001	1.6	0.0632
MW1706	31-May-2021																						
MW17-07	23-Mar-2021																						
MW17-07	25-May-2021																						
MW17-07A	23-Mar-2021																						
MW17-07B	23-Mar-2021																						
MW17-08	3-Mar-2021																						
MW17-08	23-Mar-2021																						
MW17-08	9-May-2021																						
MW17-08	30-Sep-2021	<0.00001	<0.00001	0.000272	43.4	0.0003	0.00112	0.00404	1.56	0.016	0.000068	4.45	0.741	0.000263	0.00032	0.000351	0.537	<0.0001	<0.00005	3.16	<0.00001	2.53	0.0875
MW17-08	4-Nov-2021																						
MW18-01	25-Mar-2021																						
MW18-02	25-Mar-2021																						
MW18-03	25-Mar-2021																						
MW18-04	25-Mar-2021																						
MW18-06D	15-Jan-2021																						
MW18-06D	17-Feb-2021																						
MW18-06D	19-Mar-2021																						
MW18-06D	8-Apr-2021																						
MW18-06D	2-Aug-2021	0.000018	<0.00001	0.00183	25.4	0.00028	0.0000687	0.0314	0.0177	<0.01	0.000096	3.37	0.0104	0.000036	0.00246	<0.00005	0.479	0.00027	<0.00005	4.71	<0.00001	1.2	0.0672
MW18-06D	13-Oct-2021	0.00001	<0.00001	0.000928	21.7	0.00051	0.0000695	0.0139	0.0473	<0.01	0.000054	2.87	0.00645	<0.00001	0.00141	<0.00005	0.404	0.00033	<0.00005	4.04	<0.00001	1.19	0.0502
MW18-06D	19-Nov-2021	<0.00001	<0.00001	0.000634	22.5	0.00046	0.0000173	0.00747	0.0217	0.013	0.000057	3.05	0.00133	0.000024	0.000961	<0.00005	0.372	0.00029	<0.00005	3.77	<0.00001	1.23	0.0493
MW18-06D	9-Dec-2021																						
MW18-06S	15-Jan-2021																						
MW18-06S	17-Feb-2021																						
MW18-06S	19-Mar-2021																						
MW18-06S	8-Apr-2021																						
MW18-06S	2-Aug-2021	0.000059	<0.00001	0.0043	29.8	0.00017	0.00217	0.0997	0.0846	<0.01	0.000176	4.52	0.261	0.000048	0.00509	0.00012	0.654	0.00018	<0.00005	6.57	<0.00001	1.37	0.0904
MW18-06S	13-Oct-2021	0.000073	<0.00001	0.00442	28.2	0.00018	0.00255	0.11	0.0428	0.012	0.000149	4.97	0.292	0.000014	0.00565	0.000161	0.692	0.00017	<0.00005	7.98	0.000013	1.52	0.0943
MW18-06S	19-Nov-2021	0.00006	<0.00001	0.005	31.7	0.00024	0.00323	0.118	0.0904	0.01	0.000226	4.86	0.473	<0.00001	0.0059	0.000182	0.716	0.00019	<0.00005	8.38	0.000012	1.58	0.0971
MW18-06S	9-Dec-2021																						
MW18-07D	15-Jan-2021																						
MW18-07D	18-Feb-2021																						
MW18-07D	23-Mar-2021																						
MW18-07D	8-Apr-2021																						
MW18-07D	5-May-2021																						
MW18-07D	2-Aug-2021	0.000041	<0.00001	0.00231	15.9	0.00035	0.000575	0.0721	0.0108	<0.01	0.000092	1.58	0.0396	0.000088	0.00152	0.000245	0.184	0.00014	0.000061	3.53	<0.00001	1.03	0.0294
MW18-07D	13-Oct-2021	0.000151	<0.00001	0.012	17.2	0.00051	0.00401	0.379	0.0068	<0.01	0.000085	2.56	0.215	0.000044	0.00868	0.000678	0.227	<0.0001	<0.00005	4.9	<0.00001	1.19	0.0352
MW18-07D	22-Nov-2021																						
MW18-07D	5-Dec-2021																						
MW18-07S	15-Jan-2021																						
MW18-07S	25-Feb-2021																						

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MW17-03 DUP	25-Nov-2021											30.8	509	0.00255	0.0177	0.00122	<0.00001	0.0161	0.139	346	0.00538	0.0936	4.15	51.8
MW17-04	23-Mar-2021											<0.005	20.6	<0.0005	<0.05	<0.0001	<0.0001	0.0132	0.000045	32	<0.0005	<0.0001	0.00047	<0.01
MW17-04	17-May-2021											0.0068	12.5	<0.0005	<0.05	<0.0001	<0.0001	0.0091	0.000043	18.7	<0.0005	<0.0001	0.0009	<0.01
MW17-04	25-Jul-2021											0.0292	18.3	<0.0005	<0.05	<0.0001	<0.0001	0.0151	0.000161	24.6	<0.0005	<0.0001	0.0217	<0.01
MW17-05	23-Mar-2021											<0.005	15.9	<0.0005	<0.05	<0.0001	<0.0001	0.0263	0.000504	33.8	<0.0005	<0.0001	0.00097	<0.01
MW17-05	17-May-2021											<0.005	7.3	<0.0005	<0.05	<0.0001	<0.0001	0.0177	0.000107	23.8	<0.0005	<0.0001	0.00048	<0.01
MW17-05	25-Jul-2021											0.0138	10.5	<0.0005	<0.05	<0.0001	<0.0001	0.0184	0.000249	23.8	<0.0005	<0.0001	0.0113	<0.01
MW17-05	30-Sep-2021	0.000055	<0.000004	<0.00001	<0.0002	<0.0002	0.0000143	<0.0002	0.195	<0.00002		0.0068	19	0.000077	0.0051	<0.00001	<0.00001	0.0124	0.000286	30.1	0.00018	0.000007	0.00286	<0.002
MW1706	31-May-2021											0.0157	89.5	<0.0005	<0.05	<0.0001	<0.0001	0.0247	0.00626	77.5	<0.0005	0.00018	0.0101	<0.01
MW17-07	23-Mar-2021											<0.005	16.3	<0.0005	<0.05	<0.0001	<0.0001	0.0127	0.00046	29.3	<0.0005	<0.0001	0.00131	<0.01
MW17-07	25-May-2021											0.0133	8.9	<0.0005	<0.05	<0.0001	<0.0001	0.0137	0.00033	21.7	0.0192	<0.0001	0.0052	<0.01
MW17-07A	23-Mar-2021																							
MW17-07B	23-Mar-2021																							
MW17-08	3-Mar-2021											0.0115	69.6	0.00152	0.226	<0.0001	<0.0001	0.0695	0.000201	417	<0.0005	0.00208	0.00957	3.11
MW17-08	23-Mar-2021											0.0089	75	0.00136	<0.05	<0.0001	<0.0001	0.082	0.000104	81.3	<0.0005	0.0026	0.00101	3.32
MW17-08	9-May-2021											0.064	54.1	0.00141	<0.05	<0.0001	<0.0001	0.0647	0.000416	65.3	<0.0005	0.00209	0.0177	2.54
MW17-08	30-Sep-2021	<0.00005	<0.000004	<0.00001	0.00305	<0.0002	0.00002	0.00135	0.139	0.000055		0.0122	30.9	0.00138	0.0074	<0.00001	<0.00001	0.0402	0.000187	43.5	0.00021	0.00101	0.00528	1.56
MW17-08	4-Nov-2021											0.008	32.8	0.00129	0.007	<0.00001	<0.00001	0.0449	0.0000903	45.5	0.00016	0.00127	0.0009	1.51
MW18-01	25-Mar-2021											0.162	21.4	<0.0005	<0.05	<0.0001	<0.0001	0.0093	0.00368	26.3	<0.0005	0.00071	0.0866	<0.02
MW18-02	25-Mar-2021											0.16	21.4	<0.0005	<0.05	<0.0001	<0.0001	0.0089	0.00361	26.2	<0.0005	0.00068	0.0839	<0.01
MW18-03	25-Mar-2021											0.368	30.5	<0.0005	<0.05	<0.0001	<0.0001	0.0131	0.00688	30.9	<0.0005	0.00155	0.193	<0.01
MW18-04	25-Mar-2021											0.011	13.7	<0.0005	<0.05	<0.0001	<0.0001	0.0061	0.00116	22.3	<0.0005	<0.0001	0.0101	<0.01
MW18-06D	15-Jan-2021											9.98	17.2	<0.0005	<0.05	<0.0001	<0.0001	0.0097	0.00101	26	0.00423	<0.0001	0.0193	0.022
MW18-06D	17-Feb-2021											1.2	15.8	<0.0005	<0.05	0.00011	<0.0001	0.016	0.00696	19	<0.0005	0.00255	0.253	<0.01
MW18-06D	19-Mar-2021											0.0429	24.9	<0.0005	<0.05	<0.0001	<0.0001	0.018	0.0023	30.1	<0.0005	<0.0001	0.0402	<0.01
MW18-06D	8-Apr-2021											0.0383	26.9	<0.0005	<0.05	<0.0001	<0.0001	0.0166	0.00222	29.4	<0.0005	0.0001	0.0398	<0.01
MW18-06D	2-Aug-2021	<0.00005	<0.000004	<0.00001	0.00073	<0.0002	0.000004	<0.0002	0.702	<0.00002		0.0302	21.1	<0.00005	0.0034	0.000021	<0.00001	0.0133	0.00188	25	0.00031	0.0000935	0.0329	<0.002
MW18-06D	13-Oct-2021	<0.00005	<0.000004	<0.00001	0.00075	<0.0002	0.000003	<0.0002	0.348	<0.00002		0.0139	15.6	<0.00005	0.0038	<0.00001	<0.00001	0.0094	0.000943	21.3	0.00032	0.0000453	0.0136	<0.002
MW18-06D	19-Nov-2021	<0.00005	<0.000004	<0.00001	0.00105	<0.0002	0.0000014	<0.0002	0.224	0.000046		0.0059	13.3	<0.00005	0.0038	<0.00001	<0.00001	0.00778	0.000591	20.9	0.00033	0.0000146	0.00732	<0.002
MW18-06D	9-Dec-2021											0.0056	12.6	0.00156	0.0032	<0.00001	<0.00001	0.00812	0.000702	23.3	0.00035	0.0000115	0.00859	<0.002
MW18-06S	15-Jan-2021											0.228	36.4	<0.0005	<0.05	<0.0001	<0.0001	0.016	0.00608	30.2	<0.0005	0.00398	0.162	<0.01
MW18-06S	17-Feb-2021											0.177	54.3	<0.0005	0.0542	0.00013	<0.0001	0.0144	0.00638	47	<0.0005	0.00432	0.134	0.022
MW18-06S	19-Mar-2021											0.195	37.1	<0.0005	<0.05	<0.0001	<0.0001	0.0174	0.00615	33.4	<0.0005	0.00378	0.143	<0.01
MW18-06S	8-Apr-2021											0.238	34.2	<0.0005	<0.05	<0.0001	<0.0001	0.0128	0.00584	32	<0.0005	0.00374	0.142	<0.01
MW18-06S	2-Aug-2021	<0.00005	<0.000004	<0.00001	0.00215	<0.0002	0.0000069	0.00032	1.38	<0.00002		0.153	30.7	<0.00005	0.0043	0.000064	<0.00001	0.0131	0.00422	28.5	0.00015	0.00218	0.0995	0.0026
MW18-06S	13-Oct-2021	<0.00005	0.0000066	<0.00001	0.00053	<0.0002	0.0000113	<0.0002	1.53	<0.00002		0.162	30.9	0.000057	0.0064	0.00006	<0.00001	0.0142	0.00422	29	0.00023	0.00246	0.11	<0.002
MW18-06S	19-Nov-2021	<0.00005	0.0000041	<0.00001	0.00298	<0.0002	0.0000088	<0.0002	1.51	0.000076		0.156	33.5	<0.00005	0.0071	0.000059	<0.00001	0.0161	0.0047	28.7	0.00015	0.00312	0.12	0.0021
MW18-06S	9-Dec-2021											0.147	27.2	<0.00005	0.0056	0.000055	<0.00001	0.0147	0.00423	27.1	0.00012	0.00269	0.108	<0.002
MW18-07D	15-Jan-2021											0.008	7.2	<0.0005	<0.05	<0.0001	<0.0001	0.0078	0.000644	18.2	<0.0005	0.00011	0.0106	<0.01
MW18-07D	18-Feb-2021											0.0273	27.5	<0.0005	<0.05	<0.0001	<0.0001	0.0144	0.00204	31.8	<0.0005	<0.0001	0.0419	<0.01
MW18-07D	23-Mar-2021											3.4	22.3	0.0148	<0.05	0.00017	<0.0001	0.0101	0.012	19.8	<0.0005	0.00436	0.445	<0.01
MW18-07D	8-Apr-2021											1.25	14.5	<0.0005	<0.05	<0.0001	<0.0001	0.0083	0.0067	17.1	<0.0005	0.00234	0.214	<0.01
MW18-07D	5-May-2021											0.0811	4.6	<0.0005	<0.05	<0.0001	<0.0001	0.0082	0.00172	16.4	<0.0005	0.0006	0.0329	<0.01
MW18-07D	2-Aug-2021	<0.00005	<0.000004	<0.00001	0.00033	<0.0002	0.0000027	0.00024	0.507	<0.00002		0.275	8.13	<0.00005	<0.002	0.00003	<0.00001	0.00774	0.00184	15.2	0.00024	0.000436	0.0583	<0.002
MW18-07D	13-Oct-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000151	<0.0002	2.21	<0.00002		1.6	13.3	0.00006	0.0027	0.000099	<0.00001	0.00731	0.00706	15.9	0.00033	0.00232	0.224	0.0029
MW18-07D	22-Nov-2021											0.0046	4.32	<0.00005	0.0025	<0.00001	<0.00001	0.00764	0.000401	15.2	0.00022	0.00016	0.00267	<0.002
MW18-07D	5-Dec-2021											0.133	6.44	<0.00005	0.0024	0.000016	<0.00001	0.00834	0.00288	17.6	0.00021	0.00223	0.0633	<0.002
MW18-07S	15-Jan-2021											9.02	76.4	<0.0005	<0.05	0.00054	<0.0001	0.0163	0.0624	46.4	0.00078	0.0391	1.79	0.01
MW18-07S	25-Feb-2021											0.461	53.4	<0.0005	<0.05	<0.0001	<0.0001	0.0162	0.0365	51.5	<0.0005	0.0166	0.599	<0.01

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MW17-03 DUP	25-Nov-2021	<0.01	0.00407	91.4	14.5	<0.00001	0.116	0.00473	1.08		0.00041	19.3	0.721	<0.00005	0.000019	6.92	<0.00005	0.00006	0.0000371	0.000145	0.00223	<0.0002	0.000821
MW17-04	23-Mar-2021	<0.05	<0.0001	2.75	<0.006	0.00099	<0.0004	<0.0002	0.71		0.00055	2.2	0.0944	<0.0002	<0.00005	2.19	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW17-04	17-May-2021	<0.05	<0.0001	1.54	<0.0002	0.00045	<0.0004	<0.0002	0.47		<0.0005	1.8	0.055	<0.0002	<0.00005	1.37	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW17-04	25-Jul-2021	<0.05	0.00019	1.94	0.00521	0.00052	0.00041	<0.0002	0.63		<0.0005	1.5	0.0714	<0.0002	<0.00005	2.14	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW17-05	23-Mar-2021	<0.05	<0.0001	4.14	<0.006	0.00064	0.00073	<0.0002	0.43		0.00051	3.2	0.076	<0.0002	<0.00005	1.6	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000021
MW17-05	17-May-2021	<0.05	<0.0001	1.68	<0.0002	0.00076	<0.0004	<0.0002	0.35		<0.0005	2.7	0.0514	<0.0002	<0.00005	1.15	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW17-05	25-Jul-2021	<0.05	0.00014	2.03	0.00119	0.00061	<0.0004	<0.0002	0.34		<0.0005	2.4	0.051	<0.0002	<0.00005	1.36	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW17-05	30-Sep-2021	<0.01	<0.00005	2.56	0.000157	0.000548	0.000252	0.00016	0.374	0.000145	0.0004	1.98	0.0598	<0.00005	<0.00001	1.54	0.00014	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000149
MW1706	31-May-2021	<0.05	0.00018	18.9	0.0114	<0.0001	0.00979	<0.0002	0.95		<0.0005	7.3	0.16	<0.0002	<0.00005	3.43	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW17-07	23-Mar-2021	<0.05	<0.0001	3.65	<0.006	0.00065	0.00057	<0.0002	0.36		<0.0005	2.7	0.0634	<0.0002	<0.00005	1.64	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW17-07	25-May-2021	<0.05	<0.0001	2.41	0.00099	0.0025	0.00788	0.00115	0.34		<0.0005	2.3	0.0447	<0.0002	<0.00005	1.35	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW17-07A	23-Mar-2021																						
MW17-07B	23-Mar-2021																						
MW17-08	3-Mar-2021	<0.05	0.245	8.23	1.16	0.00057	0.00059	0.00038	1.92		<0.0005	4	0.8	<0.0002	<0.00005	3.9	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000022
MW17-08	23-Mar-2021	<0.05	<0.0001	9.53	1.22	0.00013	0.00051	<0.0002	0.58		<0.0005	3.2	0.182	<0.0002	<0.00005	2.98	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW17-08	9-May-2021	<0.05	<0.0001	6.95	0.981	0.00013	0.00062	<0.0002	0.52		<0.0005	3.1	0.14	<0.0002	<0.00005	2.49	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000025
MW17-08	30-Sep-2021	<0.01	<0.00005	4.31	0.694	0.000207	0.000213	0.000909	0.511	<0.00005	<0.0001	3.01	0.0856	<0.00005	<0.00001	2.44	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000135
MW17-08	4-Nov-2021	<0.01	<0.00005	4.86	0.662	0.000176	0.00025	0.000065	0.499		<0.0001	2.53	0.0876	<0.00005	<0.00001	2.45	<0.00005	<0.00005	<0.000004	<0.00001	0.0004	<0.0002	0.0000152
MW18-01	25-Mar-2021	0.056	0.0001	4.29	0.0667	<0.0001	0.0031	<0.0002	0.31		<0.0005	5.3	0.0604	<0.0002	<0.00005	1.52	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-02	25-Mar-2021	<0.05	0.00012	4.25	0.0631	<0.0001	0.00329	0.0002	0.35		<0.0005	4.9	0.0592	<0.0002	<0.00005	1.58	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-03	25-Mar-2021	<0.05	0.00023	6.25	0.148	<0.0001	0.00524	0.00066	0.37		<0.0005	6.1	0.0747	<0.0002	<0.00005	1.7	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-04	25-Mar-2021	<0.05	<0.0001	2.91	<0.006	<0.0001	0.00139	<0.0002	0.27		<0.0005	4.4	0.0499	<0.0002	<0.00005	1.44	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-06D	15-Jan-2021	<0.05	<0.0001	3.13	0.00853	<0.0001	0.00215	0.00052	0.4		<0.0005	3.9	0.0591	<0.0002	<0.00005	1.21	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-06D	17-Feb-2021	<0.05	0.00017	2.41	0.159	<0.0001	0.00544	0.00046	0.25		<0.0005	4.8	0.0395	<0.0002	<0.00005	1.31	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-06D	19-Mar-2021	<0.05	0.00014	4.66	0.0158	<0.0001	0.00341	<0.0002	0.52		<0.0005	6.6	0.0841	<0.0002	<0.00005	1.43	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-06D	8-Apr-2021	<0.05	<0.0001	4.45	0.0182	<0.0001	0.00397	<0.0002	0.5		<0.0005	5.7	0.0764	<0.0002	<0.00005	1.37	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-06D	2-Aug-2021	<0.01	0.00007	3.75	0.0138	<0.00001	0.00259	0.000054	0.51	<0.00005	0.00036	5.16	0.0694	<0.00005	<0.00001	1.31	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000042
MW18-06D	13-Oct-2021	<0.01	<0.00005	2.78	0.00548	<0.00001	0.00139	<0.00005	0.382	<0.00005	0.00033	4.05	0.0495	<0.00005	<0.00001	1.14	0.000053	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000011
MW18-06D	19-Nov-2021	<0.01	<0.00005	2.88	0.0012	<0.00001	0.000929	<0.00005	0.354	<0.00005	0.00025	3.66	0.0462	<0.00005	<0.00001	1.17	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000017
MW18-06D	9-Dec-2021	<0.01	<0.00005	2.77	0.000922	0.00001	0.00113	0.000059	0.32		0.00034	3.72	0.0477	<0.00005	<0.00001	1.11	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001
MW18-06S	15-Jan-2021	<0.05	<0.0001	5.37	0.551	<0.0001	0.00689	0.00025	0.65		<0.0005	8.5	0.11	<0.0002	<0.00005	1.51	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-06S	17-Feb-2021	<0.05	0.00026	7.72	0.505	<0.0001	0.00947	0.00033	0.77		<0.0005	9.3	0.127	<0.0002	<0.00005	1.8	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000044
MW18-06S	19-Mar-2021	<0.05	0.00026	5.89	0.503	<0.0001	0.00695	<0.0002	0.71		<0.0005	9	0.109	<0.0002	<0.00005	1.55	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-06S	8-Apr-2021	<0.05	0.00013	5.48	0.49	<0.0001	0.00719	0.0002	0.63		<0.0005	7.1	0.0962	<0.0002	<0.00005	1.38	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-06S	2-Aug-2021	<0.01	0.000141	4.68	0.263	<0.00001	0.00511	0.00013	0.657	<0.00005	0.0002	6.45	0.091	<0.00005	<0.00001	1.4	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000048
MW18-06S	13-Oct-2021	0.011	0.00013	4.8	0.282	<0.00001	0.00564	0.000148	0.678	<0.00005	0.00015	7.77	0.0895	<0.00005	<0.00001	1.41	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000005
MW18-06S	19-Nov-2021	<0.01	0.000175	4.67	0.438	<0.00001	0.00586	0.000239	0.672	<0.00005	0.00012	8.31	0.0933	<0.00005	<0.00001	1.62	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000062
MW18-06S	9-Dec-2021	<0.01	0.000146	4.2	0.356	<0.00001	0.00512	0.000315	0.598		0.00015	7.2	0.0829	<0.00005	<0.00001	1.45	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000005
MW18-07D	15-Jan-2021	<0.05	<0.0001	1.39	0.00556	<0.0001	<0.0004	<0.0002	0.16		<0.0005	2.1	0.0303	<0.0002	<0.00005	0.98	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-07D	18-Feb-2021	<0.05	<0.0001	5	0.0114	<0.0001	0.00344	<0.0002	0.55		0.00054	6.1	0.0874	<0.0002	<0.00005	1.57	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-07D	23-Mar-2021	<0.05	<0.0001	2.43	0.241	<0.0001	0.00942	0.00081	0.19		<0.0005	4.2	0.0367	<0.0002	<0.00005	1.12	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-07D	8-Apr-2021	<0.05	<0.0001	2	0.134	<0.0001	0.00991	0.00037	0.18		<0.0005	3.3	0.0314	<0.0002	<0.00005	1.12	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-07D	5-May-2021	<0.05	0.00011	1.54	0.0313	<0.0001	0.00136	<0.0002	0.11		<0.0005	2.6	0.0268	<0.0002	<0.00005	0.98	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-07D	2-Aug-2021	<0.01	0.000056	1.51	0.0301	0.00004	0.0012	0.000236	0.176	<0.00005	0.00015	3.14	0.0287	<0.00005	<0.00001	0.999	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000021
MW18-07D	13-Oct-2021	<0.01	0.000053	1.88	0.124	0.000045	0.00523	0.000435	0.178	<0.00005	0.00014	3.75	0.0281	<0.00005	<0.00001	0.953	<0.00005	0.00007	<0.000004	<0.00001	<0.0002	<0.0002	0.000007
MW18-07D	22-Nov-2021	<0.01	<0.00005	1.39	0.0151	0.000069	0.000343	<0.00005	0.162		0.00016	2.56	0.0261	<0.00005	<0.00001	0.959	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001
MW18-07D	5-Dec-2021	<0.01	<0.00005	1.45	0.224	0.000071	0.00198	0.000072	0.148		0.00016	2.45	0.0276	<0.00005	<0.00001	0.899	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001
MW18-07S	15-Jan-2021	<0.05	<0.0001	8.56	4.29	<0.0001	0.045	0.00185	0.49		<0.0005	9.7	0.105	<0.0002	<0.00005	2.38	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000165
MW18-07S	25-Feb-2021	<0.05	0.00116	7.26	1.35	<0.0001	0.0304	0.00042	0.55		<0.0005	7.7	0.0939	<0.0002	<0.00005	3.86	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW17-03 DUP	25-Nov-2021	0.00143	48.7	0.000092					
MW17-04	23-Mar-2021	<0.001	0.0477	<0.0001					
MW17-04	17-May-2021	<0.001	0.0538	<0.0001					
MW17-04	25-Jul-2021	0.0012	0.113	<0.0001					
MW17-05	23-Mar-2021	<0.001	0.38	<0.0001					
MW17-05	17-May-2021	<0.001	0.0466	<0.0001					
MW17-05	25-Jul-2021	0.0012	0.12	<0.0001					
MW17-05	30-Sep-2021	<0.0002	0.207	<0.00002					
MW1706	31-May-2021	<0.001	6.71	<0.0001					
MW17-07	23-Mar-2021	<0.001	0.369	<0.0001					
MW17-07	25-May-2021	<0.001	0.221	<0.0001					
MW17-07A	23-Mar-2021								
MW17-07B	23-Mar-2021								
MW17-08	3-Mar-2021	<0.001	0.422	0.00012					
MW17-08	23-Mar-2021	<0.001	0.445	<0.0001					
MW17-08	9-May-2021	<0.001	0.493	<0.0001					
MW17-08	30-Sep-2021	0.0008	0.137	<0.00002					
MW17-08	4-Nov-2021	0.00056	0.21	<0.00002					
MW18-01	25-Mar-2021	<0.001	1.6	<0.0001					
MW18-02	25-Mar-2021	<0.001	1.55	<0.0001					
MW18-03	25-Mar-2021	<0.001	2.74	<0.0001					
MW18-04	25-Mar-2021	<0.001	0.716	<0.0001					
MW18-06D	15-Jan-2021	0.0013	0.338	0.00011					
MW18-06D	17-Feb-2021	<0.001	1.63	<0.0001					
MW18-06D	19-Mar-2021	<0.001	0.875	<0.0001					
MW18-06D	8-Apr-2021	0.0011	0.91	<0.0001					
MW18-06D	2-Aug-2021	<0.0002	0.775	<0.00002					
MW18-06D	13-Oct-2021	<0.0002	0.347	<0.00002					
MW18-06D	19-Nov-2021	<0.0002	0.209	<0.00002					
MW18-06D	9-Dec-2021	<0.0002	0.232	<0.00002					
MW18-06S	15-Jan-2021	0.0014	1.78	<0.0001					
MW18-06S	17-Feb-2021	<0.001	2.14	<0.0001					
MW18-06S	19-Mar-2021	<0.001	1.96	<0.0001					
MW18-06S	8-Apr-2021	0.0013	1.93	<0.0001					
MW18-06S	2-Aug-2021	<0.0002	1.48	<0.00002					
MW18-06S	13-Oct-2021	<0.0002	1.49	<0.00002					
MW18-06S	19-Nov-2021	<0.0002	1.4	<0.00002					
MW18-06S	9-Dec-2021	<0.0002	1.21	<0.00002					
MW18-07D	15-Jan-2021	0.0024	0.129	<0.0001					
MW18-07D	18-Feb-2021	<0.001	0.788	<0.0001					
MW18-07D	23-Mar-2021	<0.001	2.38	<0.0001					
MW18-07D	8-Apr-2021	0.0013	1.47	<0.0001					
MW18-07D	5-May-2021	<0.001	0.361	<0.0001					
MW18-07D	2-Aug-2021	<0.0002	0.443	<0.00002					
MW18-07D	13-Oct-2021	<0.0002	1.33	<0.00002					
MW18-07D	22-Nov-2021	<0.0002	0.0937	<0.00002					
MW18-07D	5-Dec-2021	<0.0002	0.594	<0.00002					
MW18-07S	15-Jan-2021	0.0016	13.7	<0.0001					
MW18-07S	25-Feb-2021	<0.001	8.91	<0.0001					

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21C3425	1	No	Regular	MW18-07S	MW18-07S	23-Mar-2021	6.54	543	200					27	<1	27
21D2979	1	No	Regular	MW18-07S	MW18-07S	27-Apr-2021	4.33	395						<1	<1	<1
21E0556	3	No	Regular	MW18-07S	MW18-07S	5-May-2021	4.62	283						<1	<1	<1
21L0607	1	No	Regular	MW18-07S	MW18-07S	25-Nov-2021	5.77	321						6.5	<1	6.5
21L1644	7	No	Regular	MW18-07S	MW18-07S	5-Dec-2021	4.7	279						<1	<1	<1
21H0424	3	No	Regular	MW18-08 D	MW18-08 D	1-Aug-2021	6.83	132						30.8	<1	30.8
21J1453	1	No	Regular	MW18-08 D	MW18-08 D	4-Oct-2021	6.77	176						27.6	<1	27.6
21H0424	4	No	Regular	MW18-08 S	MW18-08 S	1-Aug-2021	6.7	157						25.9	<1	25.9
21J1453	2	No	Regular	MW18-08 S	MW18-08 S	4-Oct-2021	6.31	225						17.1	<1	17.1
21A2089	1	No	Regular	MW18-08D	MW18-08D	19-Jan-2021	6.73	145						34.6	<1	34.6
21B2265	4	No	Regular	MW18-08D	MW18-08D	18-Feb-2021	6.52	187	82					25.9	<1	25.9
21C3425	6	No	Regular	MW18-08D	MW18-08D	19-Mar-2021	6.59	169	71.4					31.6	<1	31.6
21D2979	3	No	Regular	MW18-08D	MW18-08D	27-Apr-2021	6.64	175						34.2	<1	34.2
21E0556	2	No	Regular	MW18-08D	MW18-08D	5-May-2021	6.64	191						30	<1	30
21E2294	12	No	Regular	MW18-08D	MW18-08D	12-May-2021	6.91	195						29.1	<1	29.1
21K2546	2	No	Regular	MW18-08D	MW18-08D	13-Nov-2021	5.91	230						24.5	<1	24.5
21L1644	6	No	Regular	MW18-08D	MW18-08D	8-Dec-2021	6.31	199						23.7	<1	23.7
21A2089	2	No	Regular	MW18-08S	MW18-08S	19-Jan-2021	6.24	216						16.6	<1	16.6
21B2265	3	No	Regular	MW18-08S	MW18-08S	18-Feb-2021	6.27	217	93.8					16.6	<1	16.6
21D2979	2	No	Regular	MW18-08S	MW18-08S	27-Apr-2021	6.37	204						24.7	<1	24.7
21E0556	1	No	Regular	MW18-08S	MW18-08S	5-May-2021	6.34	211						17.9	<1	17.9
21K2546	1	No	Regular	MW18-08S	MW18-08S	13-Nov-2021	5.45	273						12.9	<1	12.9
21L1644	5	No	Regular	MW18-08S	MW18-08S	8-Dec-2021	5.98	236						12.2	<1	12.2
21I3491	3	No	Regular	MW19-01 D	MW19-01 D	24-Sep-2021	7.81	140						74.7	<1	74.7
21K1241	5	No	Regular	MW19-01 D	MW19-01 D	4-Nov-2021	7.2	132						80.4	<1	80.4
21I3491	2	No	Regular	MW19-01 S	MW19-01 S	24-Sep-2021	7.76	133						72	<1	72
21K1241	2	No	Regular	MW19-01 S	MW19-01 S	4-Nov-2021	7.16	130						78.4	<1	78.4
21C3425	5	No	Regular	MW19-01D	MW19-01D	24-Mar-2021	7.25	162	108					67.4	<1	67.4
21E3248	1	No	Regular	MW19-01D	MW19-01D	27-May-2021	7.49	139						63.1	<1	63.1
21C3425	4	No	Regular	MW19-01S	MW19-01S	24-Mar-2021	7.18	152	75					65	<1	65
21E2294	14	No	Regular	MW19-01S	MW19-01S	9-May-2021	7.71	146						59.5	<1	59.5
21K1241	1	No	Regular	MW19-03 D	MW19-03 D	4-Nov-2021	7.1	87.1						55.6	<1	55.6
21J0455	8	No	Regular	MW19-03D	MW19-03D	30-Sep-2021	7.47	92.4						46	<1	46
21J0455	7	No	Regular	MW19-03S	MW19-03S	30-Sep-2021	7.24	121						47.9	<1	47.9
21B2853	10	No	Regular	MW-A	MW-A	25-Feb-2021	4.88	391	158					<1	<1	<1
21F2521	1	No	Regular	MW-A	MW-A	14-Jun-2021	4.79	508						<1	<1	<1
21H2450	3	No	Regular	MW-A	MW-A	15-Aug-2021	4.72	610						<1	<1	<1
21K0622	13	No	Regular	MW-A	MW-A	1-Nov-2021	4.71	870						<1	<1	<1
21B2853	6	No	Regular	MW-C	MW-C	23-Feb-2021	6.33	570	259					24.6	<1	24.6
21F0700	3	No	Regular	MW-C	MW-C	31-May-2021	5.48	620						15	<1	15
21H2450	4	No	Regular	MW-C	MW-C	15-Aug-2021	6.26	691						12.8	<1	12.8
21K0622	11	No	Regular	MW-C	MW-C	1-Nov-2021	6.43	846						24.3	<1	24.3
21B2853	2	No	Regular	MW-D	MW-D	24-Feb-2021	4.88	945	469					<1	<1	<1
21F2521	2	No	Regular	MW-D	MW-D	14-Jun-2021	4.67	1100						<1	<1	<1
21H2450	5	No	Regular	MW-D	MW-D	15-Aug-2021	4.78	832						<1	<1	<1
21K0622	12	No	Regular	MW-D	MW-D	1-Nov-2021	4.83	831						<1	<1	<1
21B2853	9	No	Regular	MW-F	MW-F	24-Feb-2021	6.5	132	85.1					10.1	<1	10.1
21F0700	2	No	Regular	MW-F	MW-F	31-May-2021	6.16	127						22.5	<1	22.5
21H2450	6	No	Regular	MW-F	MW-F	15-Aug-2021	6.78	174						21.1	<1	21.1

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+ Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MW18-07S	23-Mar-2021	<1	<1	2.73		257														
MW18-07S	27-Apr-2021	<1	<1	0.82		268														
MW18-07S	5-May-2021	<1	<1	0.88		126														
MW18-07S	25-Nov-2021	<1	<1	0.94		137														
MW18-07S	5-Dec-2021	<1	<1	0.97		134														
MW18-08 D	1-Aug-2021	<1	<1	1		37.6										0.013	12.1	<0.00005	0.0052	0.00656
MW18-08 D	4-Oct-2021	<1	<1	1.46		53.8										0.0344	18.2	<0.00005	0.0061	0.0118
MW18-08 S	1-Aug-2021	<1	<1	1.04		50										0.0244	17.1	<0.00005	0.0057	0.00928
MW18-08 S	4-Oct-2021	<1	<1	2.24		79.9										0.0946	28.8	<0.00005	0.007	0.0179
MW18-08D	19-Jan-2021	<1	<1	1.38		43.2														
MW18-08D	18-Feb-2021	<1	<1	1.6		59.1														
MW18-08D	19-Mar-2021	<1	<1	1.92		45.7														
MW18-08D	27-Apr-2021	<1	<1	1.62		47.9														
MW18-08D	5-May-2021	<1	<1	1.57		56.3														
MW18-08D	12-May-2021	<1	<1	1.48		62.7														
MW18-08D	13-Nov-2021	<1	<1																	
MW18-08D	8-Dec-2021	<1	<1	1.58		68.3														
MW18-08S	19-Jan-2021	<1	<1	1.71		84														
MW18-08S	18-Feb-2021	<1	<1	1.74		78.3														
MW18-08S	27-Apr-2021	<1	<1	1.9		68.2														
MW18-08S	5-May-2021	<1	<1	1.85		72.6														
MW18-08S	13-Nov-2021	<1	<1																	
MW18-08S	8-Dec-2021	<1	<1	1.8		251														
MW19-01 D	24-Sep-2021	<1	<1	0.71		5.8										1.39	3.5	0.000252	0.0107	0.0348
MW19-01 D	4-Nov-2021	<1	<1	0.72		6														
MW19-01 S	24-Sep-2021	<1	<1	0.5		5										<0.002	2.9	<0.00005	0.0051	0.00272
MW19-01 S	4-Nov-2021	<1	<1	0.67		7.1														
MW19-01D	24-Mar-2021	<1	<1	0.74		19.6														
MW19-01D	27-May-2021	<1	<1	0.75		16.6														
MW19-01S	24-Mar-2021	<1	<1	0.79		17.6														
MW19-01S	9-May-2021	<1	<1	0.73		19.3														
MW19-03 D	4-Nov-2021	<1	<1	0.6		4.6														
MW19-03D	30-Sep-2021	<1	<1	1.09		4.8										0.0145	1.7	0.000062	0.0069	0.00519
MW19-03S	30-Sep-2021	<1	<1	1.05		16.6										0.815	6.1	0.000432	0.0049	0.0191
MW-A	25-Feb-2021	<1	<1	1.35		192														
MW-A	14-Jun-2021	<1	<1	1.17		280														
MW-A	15-Aug-2021	<1	<1	1.23		309										3.46	110	0.00025	0.0081	0.0136
MW-A	1-Nov-2021	<1	<1	1.44		570														
MW-C	23-Feb-2021	<1	<1	1.25		284														
MW-C	31-May-2021	<1	<1	1.16		293														
MW-C	15-Aug-2021	<1	<1	1.24		346										0.374	117	0.000156	0.0102	0.0231
MW-C	1-Nov-2021	<1	<1	1.3		428														
MW-D	24-Feb-2021	<1	<1	1.62		563														
MW-D	14-Jun-2021	<1	<1	1.84		758														
MW-D	15-Aug-2021	<1	<1	1.57		444										4.23	159	0.000213	0.0118	0.0108
MW-D	1-Nov-2021	<1	<1	1.82		457														
MW-F	24-Feb-2021	<1	<1	1.32		44.5														
MW-F	31-May-2021	<1	<1	0.92		28.5														
MW-F	15-Aug-2021	<1	<1	1.37		59.1										0.0273	20.1	0.00007	0.0129	0.0355

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MW18-07S	23-Mar-2021																						
MW18-07S	27-Apr-2021																						
MW18-07S	5-May-2021																						
MW18-07S	25-Nov-2021																						
MW18-07S	5-Dec-2021																						
MW18-08 D	1-Aug-2021	<0.00001	<0.00001	0.00112	20.5	0.00031	0.0000195	0.0141	<0.002	<0.01	0.000099	2.45	0.00378	0.00002	0.00117	<0.00005	0.302	0.00024	<0.00005	4.11	<0.00001	1.28	0.0433
MW18-08 D	4-Oct-2021	0.000024	<0.00001	0.00218	27	0.00048	0.0000958	0.0291	0.0044	<0.01	0.000055	3.44	0.0162	<0.00001	0.00252	0.000189	0.397	0.00026	<0.00005	6.12	<0.00001	1.71	0.0634
MW18-08 S	1-Aug-2021	0.000017	<0.00001	0.00201	23.1	0.00032	0.0000952	0.0269	<0.002	<0.01	0.000111	3.21	0.0111	0.000011	0.00208	<0.00005	0.377	0.00014	<0.00005	5.21	<0.00001	1.52	0.0535
MW18-08 S	4-Oct-2021	0.000041	<0.00001	0.00448	33.1	0.00057	0.000271	0.0682	0.0039	<0.01	0.000082	5.08	0.0477	0.000012	0.00496	0.000322	0.569	0.00019	<0.00005	8.34	0.000011	2.35	0.0897
MW18-08D	19-Jan-2021																						
MW18-08D	18-Feb-2021																						
MW18-08D	19-Mar-2021																						
MW18-08D	27-Apr-2021																						
MW18-08D	5-May-2021																						
MW18-08D	12-May-2021																						
MW18-08D	13-Nov-2021																						
MW18-08D	8-Dec-2021																						
MW18-08S	19-Jan-2021																						
MW18-08S	18-Feb-2021																						
MW18-08S	27-Apr-2021																						
MW18-08S	5-May-2021																						
MW18-08S	13-Nov-2021																						
MW18-08S	8-Dec-2021																						
MW19-01 D	24-Sep-2021	0.000061	0.000018	0.000105	29.7	0.00061	0.00022	0.00615	0.799	<0.01	0.000831	1.99	0.0147	0.000145	0.000972	0.00202	0.381	<0.0001	0.000355	8.51	0.00004	1.23	0.0317
MW19-01 D	4-Nov-2021																						
MW19-01 S	24-Sep-2021	<0.00001	<0.00001	0.0000217	26.7	0.00022	0.0000065	0.00021	<0.002	<0.01	<0.00005	1.6	0.000082	0.000104	0.000045	<0.00005	0.087	<0.0001	<0.00005	3.16	<0.00001	0.853	0.026
MW19-01 S	4-Nov-2021																						
MW19-01D	24-Mar-2021																						
MW19-01D	27-May-2021																						
MW19-01S	24-Mar-2021																						
MW19-01S	9-May-2021																						
MW19-03 D	4-Nov-2021																						
MW19-03D	30-Sep-2021	<0.00001	<0.00001	0.000027	17.7	0.00024	0.000108	0.0012	0.0082	<0.01	<0.00005	0.876	0.000603	0.000036	0.000085	0.000113	0.079	<0.0001	<0.00005	2.01	<0.00001	0.831	0.022
MW19-03S	30-Sep-2021	0.000082	0.000017	0.0000374	20.4	0.00087	0.00027	0.00483	0.842	0.02	0.000544	1.79	0.01	0.000125	0.000761	0.00168	0.323	0.00011	0.000165	5	0.000014	3.42	0.0271
MW-A	25-Feb-2021																						
MW-A	14-Jun-2021																						
MW-A	15-Aug-2021	0.000431	<0.00001	0.0224	67.7	0.00023	0.0199	0.962	0.031	<0.01	0.000715	18.9	2.75	0.000011	0.0219	0.000684	1.31	0.00013	0.000122	13.2	0.000012	3.83	0.159
MW-A	1-Nov-2021																						
MW-C	23-Feb-2021																						
MW-C	31-May-2021																						
MW-C	15-Aug-2021	0.000177	<0.00001	0.012	88.3	0.00043	0.0134	0.369	1.94	<0.01	0.000304	21.5	3.66	0.00002	0.0141	0.00008	0.866	<0.0001	<0.00005	15.5	<0.00001	4.21	0.205
MW-C	1-Nov-2021																						
MW-D	24-Feb-2021																						
MW-D	14-Jun-2021																						
MW-D	15-Aug-2021	0.000463	<0.00001	0.0252	107	0.00042	0.0165	1.04	0.0061	<0.01	0.000545	28.1	2.65	<0.00001	0.0266	0.000222	1.64	0.00011	0.000081	12.3	<0.00001	5.81	0.216
MW-D	1-Nov-2021																						
MW-F	24-Feb-2021																						
MW-F	31-May-2021																						
MW-F	15-Aug-2021	<0.00001	<0.00001	0.00104	24.3	0.00025	0.0000564	0.00997	0.0306	<0.01	0.00022	2.48	0.0116	0.000371	0.000517	0.000317	0.881	0.00065	<0.00005	2.08	<0.00001	3.46	0.0677

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MW18-07S	23-Mar-2021											0.995	67.6	<0.0005	<0.05	0.00012	<0.0001	0.0191	0.0434	66.5	<0.0005	0.0181	1.4	0.054
MW18-07S	27-Apr-2021											18	72.2	<0.0005	<0.05	0.00071	<0.0001	0.0141	0.0613	28.5	0.00078	0.0226	1.88	0.04
MW18-07S	5-May-2021											8.58	46.7	<0.0005	<0.05	0.0004	<0.0001	0.0176	0.0424	26.6	0.00064	0.0166	1.1	0.01
MW18-07S	25-Nov-2021											4.43	52.4	0.00036	0.0044	0.000288	<0.00001	0.0619	0.0475	34.1	0.00055	0.033	0.999	0.0111
MW18-07S	5-Dec-2021											4.65	40.2	0.000202	0.004	0.000284	<0.00001	0.0201	0.0322	28.5	0.00036	0.0262	0.84	0.0109
MW18-08 D	1-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000015	0.00023	0.574	<0.00002		0.0116	11.5	<0.00005	0.0038	<0.00001	<0.00001	0.00646	0.00111	19.7	0.00023	0.000021	0.0147	<0.002
MW18-08 D	4-Oct-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000137	<0.0002	1.19	<0.00002		0.0267	18.8	<0.00005	0.0059	0.000016	<0.00001	0.0114	0.0022	25.8	0.00045	0.0000877	0.0288	<0.002
MW18-08 S	1-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000024	<0.0002	1.02	<0.00002		0.0253	15.8	<0.00005	0.0042	0.000016	<0.00001	0.00895	0.00192	21.9	0.00021	0.0000885	0.0267	<0.002
MW18-08 S	4-Oct-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000012	<0.0002	2.28	<0.00002		0.0852	28.6	<0.00005	0.0063	0.000039	<0.00001	0.017	0.00417	29.6	0.00052	0.000265	0.0644	<0.002
MW18-08D	19-Jan-2021											0.0269	15.4	<0.0005	<0.05	<0.0001	<0.0001	0.0095	0.00173	22.6	<0.0005	<0.0001	0.0222	<0.01
MW18-08D	18-Feb-2021											0.0409	20.3	<0.0005	<0.05	<0.0001	<0.0001	0.0118	0.0024	26.4	<0.0005	<0.0001	0.0385	<0.01
MW18-08D	19-Mar-2021											0.0121	15.2	<0.0005	<0.05	<0.0001	<0.0001	0.0101	0.00164	23.4	<0.0005	<0.0001	0.0166	<0.01
MW18-08D	27-Apr-2021											0.0163	15.9	<0.0005	<0.05	<0.0001	<0.0001	0.011	0.00178	23.7	<0.0005	<0.0001	0.0182	<0.01
MW18-08D	5-May-2021											0.0325	18.8	<0.0005	<0.05	<0.0001	<0.0001	0.0132	0.00233	26.9	<0.0005	<0.0001	0.0297	<0.01
MW18-08D	12-May-2021											0.0285	19.2	<0.0005	<0.05	<0.0001	<0.0001	0.0138	0.00244	24.6	<0.0005	<0.0001	0.0325	<0.01
MW18-08D	13-Nov-2021											0.0592	27	0.000061	0.0066	0.000033	<0.00001	0.017	0.00354	32.4	0.00059	0.000123	0.0506	<0.002
MW18-08D	8-Dec-2021											0.0476	21.3	<0.00005	0.0049	0.000021	<0.00001	0.0132	0.00297	27.4	0.00044	0.0000662	0.0387	<0.002
MW18-08S	19-Jan-2021											0.241	32.9	<0.0005	<0.05	<0.0001	<0.0001	0.0156	0.00575	31.1	0.00052	0.00087	0.104	0.03
MW18-08S	18-Feb-2021											0.124	28.8	<0.0005	<0.05	<0.0001	<0.0001	0.0129	0.00417	29.4	<0.0005	0.00014	0.0839	<0.01
MW18-08S	27-Apr-2021											0.0545	24.3	<0.0005	<0.05	<0.0001	<0.0001	0.0129	0.00357	26.7	<0.0005	0.00015	0.0474	<0.01
MW18-08S	5-May-2021											0.103	26.3	<0.0005	<0.05	<0.0001	<0.0001	0.0146	0.00371	28.2	<0.0005	0.00014	0.0573	<0.01
MW18-08S	13-Nov-2021											0.237	39.3	<0.00005	0.0085	0.00008	<0.00001	0.0217	0.00637	39.9	0.00071	0.000827	0.123	0.0064
MW18-08S	8-Dec-2021											0.156	29.4	<0.00005	0.0063	0.000055	<0.00001	0.0169	0.00514	31.6	0.00043	0.000401	0.0908	0.0026
MW19-01 D	24-Sep-2021	<0.00005	<0.000004	0.00101	0.0264	<0.0002	0.000264	0.00203	0.0391	0.0017		0.0106	1.6	0.000056	0.0074	<0.00001	<0.00001	0.00545	0.0000636	27.2	0.0003	0.0000354	0.00533	0.0071
MW19-01 D	4-Nov-2021											0.043	1.76	0.000098	0.003	<0.00001	<0.00001	0.00408	0.0000323	23.9	0.00028	0.0000287	0.00758	0.0384
MW19-01 S	24-Sep-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000045	0.00091	0.0145	<0.00002		0.0018	1.62	<0.00005	0.0039	<0.00001	<0.00001	0.00264	0.0000197	26	0.00029	<0.000005	0.00016	<0.002
MW19-01 S	4-Nov-2021											0.0012	2.06	0.000069	0.0027	<0.00001	<0.00001	0.00241	0.0000168	23.8	0.0003	<0.000005	0.00011	<0.002
MW19-01D	24-Mar-2021											0.471	21.7	<0.0005	<0.05	<0.0001	<0.0001	0.0059	0.00309	33.9	<0.0005	0.0042	0.105	2.01
MW19-01D	27-May-2021											0.0087	5	<0.0005	<0.05	<0.0001	<0.0001	0.0054	0.000065	25.3	<0.0005	<0.0001	0.00492	<0.01
MW19-01S	24-Mar-2021											0.0166	4	0.0109	<0.05	<0.0001	<0.0001	<0.005	0.000102	27	<0.0005	0.00013	0.00148	0.086
MW19-01S	9-May-2021											0.0281	16.2	<0.0005	<0.05	<0.0001	<0.0001	0.0138	0.00043	21.5	<0.0005	<0.0001	0.00338	0.04
MW19-03 D	4-Nov-2021											0.0031	1.16	0.000079	0.002	<0.00001	<0.00001	0.00418	0.0000218	15.4	0.00019	0.0000602	0.00099	<0.002
MW19-03D	30-Sep-2021	0.000061	<0.000004	<0.00001	<0.0002	<0.0002	0.0000105	0.00026	0.0058	<0.00002		0.0038	1.64	0.000059	0.0029	<0.00001	<0.00001	0.00453	0.000034	17.1	0.0001	0.0000934	0.00158	<0.002
MW19-03S	30-Sep-2021	<0.00005	0.0000105	0.00105	0.0186	<0.0002	0.000301	0.00114	0.0154	0.000507		0.0088	5.64	0.000055	0.0035	<0.00001	<0.00001	0.00617	0.0000525	18.4	0.00051	0.0000259	0.00263	0.0125
MW-A	25-Feb-2021											1.96	67	<0.0005	<0.05	0.00033	<0.0001	0.0118	0.0149	44.4	<0.0005	0.013	0.728	0.056
MW-A	14-Jun-2021											3.14	99.6	<0.0005	<0.05	0.00047	<0.0001	0.0137	0.0198	67.2	<0.0005	0.0172	0.864	0.026
MW-A	15-Aug-2021	<0.00005	0.0000041	<0.00001	0.00048	<0.0002	0.0000901	<0.0002	8.76	<0.00002		3.29	106	0.000209	0.0079	0.000421	<0.00001	0.0122	0.0212	70.3	0.00019	0.0189	0.915	0.0106
MW-A	1-Nov-2021											5.24	157	0.000337	0.0094	0.000552	<0.00001	0.0132	0.0314	90.1	0.00026	0.0295	1.25	0.162
MW-C	23-Feb-2021											0.116	93	<0.0005	<0.05	<0.0001	<0.0001	0.026	0.00598	72.6	<0.0005	0.00964	0.111	2.97
MW-C	31-May-2021											0.486	102	<0.0005	<0.05	0.0002	<0.0001	0.0248	0.00993	82.9	<0.0005	0.0108	0.303	2.96
MW-C	15-Aug-2021	<0.00005	<0.000004	<0.00001	0.00027	<0.0002	0.00002	<0.0002	5.85	<0.00002		0.83	115	0.000183	0.0095	0.000199	<0.00001	0.0222	0.0119	85.9	0.00016	0.0133	0.383	2.64
MW-C	1-Nov-2021											0.636	150	0.000154	0.0119	0.000148	<0.00001	0.0234	0.0107	102	0.00014	0.0134	0.256	4.06
MW-D	24-Feb-2021											4.14	191	<0.0005	<0.05	0.00053	<0.0001	0.0205	0.0301	123	<0.0005	0.0235	1.11	0.021
MW-D	14-Jun-2021											7.54	264	<0.0005	<0.05	0.00072	<0.0001	0.0128	0.0452	162	<0.0005	0.0408	1.66	<0.01
MW-D	15-Aug-2021	<0.00005	0.0000051	<0.00001	<0.0002	<0.0002	0.000134	<0.0002	13.8	<0.00002		4.02	152	0.000166	0.0111	0.000438	<0.00001	0.0101	0.0239	99.8	0.00034	0.0155	0.976	0.0041
MW-D	1-Nov-2021											3.86	153	0.000195	0.0114	0.000418	<0.00001	0.0133	0.0264	94	0.0004	0.0209	0.969	0.019
MW-F	24-Feb-2021											0.788	36.2	<0.0005	<0.05	<0.0001	<0.0001	0.0282	0.00593	22.9	<0.0005	0.00734	0.143	3.22
MW-F	31-May-2021											0.0129	9.7	<0.0005	<0.05	<0.0001	<0.0001	0.0288	0.000767	18.1	<0.0005	<0.0001	0.0127	<0.01
MW-F	15-Aug-2021	<0.00005	<0.000004	<0.00001	0.00041	<0.0002	0.0000056	<0.0002	0.284	<0.00002		0.0086	20.3	<0.00005	0.0097	<0.00001	<0.00001	0.0335	0.000976	23.2	0.00019	0.0000697	0.00686	0.0109

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MW18-07S	23-Mar-2021	<0.05	0.00221	8.12	1.25	<0.0001	0.0356	0.00194	0.56		<0.0005	8.1	0.0837	<0.0002	<0.00005	2.51	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000058
MW18-07S	27-Apr-2021	<0.05	0.0003	7.26	1.31	<0.0001	0.0461	0.00164	0.38		<0.0005	10.6	0.0676	0.00037	<0.00005	1.78	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000109
MW18-07S	5-May-2021	<0.05	0.00027	6.5	0.938	<0.0001	0.0326	0.00091	0.31		<0.0005	9.6	0.0604	<0.0002	<0.00005	1.9	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000058
MW18-07S	25-Nov-2021	<0.01	0.000188	7.12	3.53	0.000042	0.0347	0.00068	0.41		0.00046	8.48	0.0877	<0.00005	<0.00001	1.73	0.000056	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000382
MW18-07S	5-Dec-2021	<0.01	0.000191	5.11	2.56	0.00004	0.0227	0.00114	0.375		0.00016	6.47	0.0623	<0.00005	<0.00001	1.75	0.000052	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000468
MW18-08 D	1-Aug-2021	<0.01	0.000099	2.29	0.00379	0.000015	0.00108	<0.00005	0.288	<0.00005	0.00021	3.89	0.041	<0.00005	<0.00001	1.2	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000012
MW18-08 D	4-Oct-2021	<0.01	<0.00005	3.59	0.0155	<0.00001	0.00244	0.000061	0.421	<0.00005	0.00027	5.82	0.0647	<0.00005	<0.00001	1.76	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000062
MW18-08 S	1-Aug-2021	<0.01	0.000112	2.95	0.0107	0.000016	0.00193	<0.00005	0.347	<0.00005	0.00024	4.66	0.051	<0.00005	<0.00001	1.41	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000016
MW18-08 S	4-Oct-2021	<0.01	0.000058	5.15	0.0467	<0.00001	0.00464	0.000171	0.572	<0.00005	0.0002	7.58	0.0889	<0.00005	<0.00001	2.34	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000038
MW18-08D	19-Jan-2021	<0.05	<0.0001	2.82	0.0163	<0.0001	0.00198	<0.0002	0.32		<0.0005	4.9	0.0565	<0.0002	<0.00005	1.45	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-08D	18-Feb-2021	<0.05	<0.0001	3.88	0.0114	<0.0001	0.00304	0.00023	0.44		<0.0005	6.1	0.0668	<0.0002	<0.00005	1.97	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-08D	19-Mar-2021	<0.05	0.00012	3.09	0.00794	<0.0001	0.00175	<0.0002	0.35		<0.0005	5.5	0.0536	<0.0002	<0.00005	1.53	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-08D	27-Apr-2021	<0.05	<0.0001	3.1	0.00868	<0.0001	0.00194	<0.0002	0.33		<0.0005	5	0.0534	<0.0002	<0.00005	1.51	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-08D	5-May-2021	<0.05	0.00013	3.97	0.0135	<0.0001	0.00272	<0.0002	0.37		<0.0005	6.2	0.0637	<0.0002	<0.00005	1.91	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-08D	12-May-2021	<0.05	<0.0001	3.42	0.0164	<0.0001	0.00296	<0.0002	0.39		<0.0005	6	0.0669	<0.0002	<0.00005	1.64	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-08D	13-Nov-2021	<0.01	<0.00005	4.54	0.0391	<0.00001	0.00445	0.000063	0.516		0.00015	7.39	0.0893	<0.00005	0.000011	2.29	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000033
MW18-08D	8-Dec-2021	<0.01	<0.00005	3.57	0.0274	<0.00001	0.00341	0.000143	0.421		0.00017	5.83	0.0684	<0.00005	<0.00001	1.92	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000022
MW18-08S	19-Jan-2021	<0.05	0.00012	4.94	0.101	<0.0001	0.00553	<0.0002	0.52		<0.0005	8	0.095	<0.0002	<0.00005	2.23	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-08S	18-Feb-2021	<0.05	0.00013	4.92	0.0318	<0.0001	0.00479	<0.0002	0.56		<0.0005	7.5	0.0822	<0.0002	<0.00005	2.28	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-08S	27-Apr-2021	<0.05	<0.0001	4.11	0.0297	<0.0001	0.00418	<0.0002	0.45		<0.0005	6.3	0.0701	<0.0002	<0.00005	1.99	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-08S	5-May-2021	<0.05	0.00015	4.67	0.0331	<0.0001	0.0042	<0.0002	0.47		0.00053	7.7	0.0743	<0.0002	<0.00005	2.28	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW18-08S	13-Nov-2021	<0.01	0.000141	5.55	0.11	<0.00001	0.00735	0.00023	0.719		0.00017	9.98	0.125	0.000153	0.000023	2.98	<0.00005	<0.00005	0.0000052	<0.00001	<0.0002	<0.0002	0.0000058
MW18-08S	8-Dec-2021	<0.01	0.000092	4.64	0.0693	0.000012	0.00544	0.000242	0.56		0.00016	7.77	0.0887	<0.00005	<0.00001	2.5	<0.00005	0.000075	<0.000004	<0.00001	<0.0002	<0.0002	0.0000048
MW19-01 D	24-Sep-2021	<0.01	0.000242	1.59	0.00353	0.000092	0.000508	0.000198	0.254	0.000541	<0.0001	3	0.0274	0.000077	<0.00001	1.06	0.000228	<0.00005	<0.000004	<0.00001	0.00031	<0.0002	0.0000165
MW19-01 D	4-Nov-2021	<0.01	0.000101	1.52	0.00319	0.00009	0.000085	0.000545	0.089		<0.0001	2.23	0.0243	<0.00005	<0.00001	0.938	0.000076	<0.00005	<0.000004	<0.00001	0.00023	<0.0002	0.0000114
MW19-01 S	24-Sep-2021	<0.01	<0.00005	1.57	0.000095	0.000052	0.000061	<0.00005	0.08	0.000142	<0.0001	3.13	0.0253	<0.00005	<0.00001	0.843	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000005
MW19-01 S	4-Nov-2021	<0.01	<0.00005	1.53	<0.00005	0.000052	0.000047	<0.00005	0.079		<0.0001	2.19	0.0224	<0.00005	<0.00001	0.825	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000073
MW19-01D	24-Mar-2021	<0.05	0.00023	5.62	0.565	<0.0001	0.00574	0.00041	0.15		<0.0005	3.5	0.0472	<0.0002	<0.00005	1.22	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024
MW19-01D	27-May-2021	<0.05	0.00038	1.69	0.00286	0.00014	0.00065	0.00063	0.17		<0.0005	2.5	0.0277	<0.0002	<0.00005	1.32	0.0003	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW19-01S	24-Mar-2021	<0.05	<0.0001	1.79	0.0152	<0.0001	0.00084	<0.0002	<0.1		<0.0005	2.5	0.0279	<0.0002	<0.00005	0.82	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW19-01S	9-May-2021	<0.05	<0.0001	2.46	0.0113	<0.0001	0.00049	<0.0002	0.26		<0.0005	3.7	0.0438	<0.0002	<0.00005	0.99	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW19-03 D	4-Nov-2021	<0.01	<0.00005	0.863	0.000066	0.000044	0.000043	<0.00005	0.056		<0.0001	1.35	0.0168	<0.00005	<0.00001	0.613	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000055
MW19-03D	30-Sep-2021	<0.01	<0.00005	0.816	0.000434	0.000037	0.000042	0.000165	0.064	<0.00005	<0.0001	1.84	0.0208	0.000162	<0.00001	0.773	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000084
MW19-03S	30-Sep-2021	<0.01	0.000167	1.36	0.00519	0.000081	0.000098	0.000295	0.243	0.00017	0.00014	2.72	0.023	<0.00005	<0.00001	3.19	0.000078	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000376
MW-A	25-Feb-2021	<0.05	0.00082	11.4	1.63	<0.0001	0.0142	0.00285	1.08		<0.0005	10.5	0.113	<0.0002	<0.00005	3.15	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000063
MW-A	14-Jun-2021	<0.05	0.00076	18.9	2.32	<0.0001	0.0192	0.00181	1.22		<0.0005	13.5	0.15	<0.0002	<0.00005	3.66	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000096
MW-A	15-Aug-2021	<0.01	0.000667	18.5	2.82	<0.00001	0.0211	0.000411	1.25	0.000076	<0.0001	12.8	0.148	0.000088	<0.00001	3.69	<0.00005	<0.00005	0.0000046	<0.00001	<0.0002	<0.0002	0.0000926
MW-A	1-Nov-2021	<0.01	0.000716	31.1	4.03	0.000015	0.0319	0.00101	1.36		0.0004	13.4	0.209	<0.00005	0.000011	4.67	<0.00005	<0.00005	0.0000044	<0.00001	0.00034	<0.0002	0.000156
MW-C	23-Feb-2021	<0.05	0.0003	18.7	2.91	<0.0001	0.00849	0.00103	0.6		<0.0005	14.7	0.198	<0.0002	<0.00005	3.98	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW-C	31-May-2021	<0.05	0.00033	21.5	3.19	<0.0001	0.0112	0.0004	0.78		<0.0005	17	0.198	<0.0002	<0.00005	3.81	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000024
MW-C	15-Aug-2021	<0.01	0.000287	21.2	3.67	0.000016	0.0139	0.000128	0.857	<0.00005	<0.0001	15.5	0.197	<0.00005	<0.00001	4.09	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000277
MW-C	1-Nov-2021	0.011	0.000227	30.8	4.66	0.000012	0.0142	0.000215	0.756		0.00011	17	0.267	<0.00005	<0.00001	5.08	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000293
MW-D	24-Feb-2021	<0.05	0.00061	39.1	3.76	<0.0001	0.0334	0.00564	1.8		<0.0005	12.5	0.271	<0.0002	<0.00005	6.76	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000135
MW-D	14-Jun-2021	<0.05	0.00056	52.7	6.11	<0.0001	0.0534	0.00053	2.05		<0.0005	16.5	0.33	0.00057	<0.00005	7.73	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000223
MW-D	15-Aug-2021	<0.01	0.000512	26.8	2.43	<0.00001	0.0251	0.000187	1.56	0.000053	<0.0001	11.6	0.201	0.000083	<0.00001	5.54	<0.00005	<0.00005	0.0000054	<0.00001	<0.0002	<0.0002	0.000124
MW-D	1-Nov-2021	<0.01	0.000444	25.9	3.2	0.00001	0.0267	0.000296	1.65		0.00013	11.5	0.219	<0.00005	<0.00001	6.69	<0.00005	<0.00005	0.0000041	<0.00001	<0.0002	<0.0002	0.00012
MW-F	24-Feb-2021	<0.05	0.00027	6.76	0.984	<0.0001	0.00915	0.00422	0.31		<0.0005	1.6	0.0642	<0.0002	<0.00005	1.41	0.0004	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW-F	31-May-2021	<0.05	0.00018	2	0.013	0.00026	0.00053	<0.0002	0.42		<0.0005	1.9	0.046	<0.0002	<0.00005	1.25	0.00033	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
MW-F	15-Aug-2021	<0.01	0.000185	2.49	0.016	0.000367	0.000508	0.000259	0.852	0.00058	0.00046	2	0.0653	<0.00005	<0.00001	3.31	0.000547	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000051

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW18-07S	23-Mar-2021	<0.001	10.9	<0.0001					
MW18-07S	27-Apr-2021	<0.001	12.7	<0.0001					
MW18-07S	5-May-2021	<0.001	8.87	<0.0001					
MW18-07S	25-Nov-2021	<0.0002	8.56	0.000026					
MW18-07S	5-Dec-2021	<0.0002	7.59	0.000025					
MW18-08 D	1-Aug-2021	<0.0002	0.562	<0.00002					
MW18-08 D	4-Oct-2021	<0.0002	1.19	<0.00002					
MW18-08 S	1-Aug-2021	<0.0002	0.991	<0.00002					
MW18-08 S	4-Oct-2021	<0.0002	2.1	<0.00002					
MW18-08D	19-Jan-2021	<0.001	0.901	<0.0001					
MW18-08D	18-Feb-2021	<0.001	1.33	<0.0001					
MW18-08D	19-Mar-2021	<0.001	0.833	<0.0001					
MW18-08D	27-Apr-2021	<0.001	0.944	<0.0001					
MW18-08D	5-May-2021	<0.001	1.25	<0.0001					
MW18-08D	12-May-2021	<0.001	1.31	<0.0001					
MW18-08D	13-Nov-2021	0.0002	1.95	<0.00002					
MW18-08D	8-Dec-2021	<0.0002	1.55	<0.00002					
MW18-08S	19-Jan-2021	<0.001	2.62	<0.0001					
MW18-08S	18-Feb-2021	<0.001	2.16	<0.0001					
MW18-08S	27-Apr-2021	<0.001	1.89	<0.0001					
MW18-08S	5-May-2021	<0.001	1.9	<0.0001					
MW18-08S	13-Nov-2021	<0.0002	3.12	<0.00002					
MW18-08S	8-Dec-2021	<0.0002	2.4	<0.00002					
MW19-01 D	24-Sep-2021	0.00031	0.0219	<0.00002					
MW19-01 D	4-Nov-2021	0.0005	0.0311	<0.00002					
MW19-01 S	24-Sep-2021	0.00035	0.0139	<0.00002					
MW19-01 S	4-Nov-2021	0.00043	0.0124	<0.00002					
MW19-01D	24-Mar-2021	<0.001	1.94	<0.0001					
MW19-01D	27-May-2021	<0.001	0.0232	<0.0001					
MW19-01S	24-Mar-2021	0.0011	0.0663	<0.0001					
MW19-01S	9-May-2021	<0.001	0.0398	<0.0001					
MW19-03 D	4-Nov-2021	<0.0002	0.0022	<0.00002					
MW19-03D	30-Sep-2021	<0.0002	0.0031	<0.00002					
MW19-03S	30-Sep-2021	<0.0002	0.011	<0.00002					
MW-A	25-Feb-2021	<0.001	5.79	<0.0001					
MW-A	14-Jun-2021	<0.001	7.41	<0.0001					
MW-A	15-Aug-2021	<0.0002	8.82	<0.00002					
MW-A	1-Nov-2021	0.00022	13.4	<0.00002					
MW-C	23-Feb-2021	<0.001	3.43	<0.0001					
MW-C	31-May-2021	<0.001	5.12	<0.0001					
MW-C	15-Aug-2021	<0.0002	5.86	<0.00002					
MW-C	1-Nov-2021	0.00024	5.45	<0.00002					
MW-D	24-Feb-2021	<0.001	13.9	<0.0001					
MW-D	14-Jun-2021	<0.001	22.8	<0.0001					
MW-D	15-Aug-2021	<0.0002	13.3	<0.00002					
MW-D	1-Nov-2021	<0.0002	13.7	<0.00002					
MW-F	24-Feb-2021	<0.001	3.08	<0.0001					
MW-F	31-May-2021	<0.001	0.29	<0.0001					
MW-F	15-Aug-2021	<0.0002	0.272	<0.00002					

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21K0622	14	No	Regular	MW-F	MW-F	1-Nov-2021	6.72	450						22.7	<1	22.7
21C1194	4	No	Regular	MYRA 10	MYRA 10	3-Mar-2021	7.72	219	109				3.5	83.8	<1	83.8
21D1862	4	No	Regular	MYRA 10	MYRA 10	14-Apr-2021		232	113				4.2	105	<1	105
21G0905	4	No	Regular	MYRA 10	MYRA 10	7-Jul-2021		231					2	101	<1	101
21K1970	4	No	Regular	MYRA 10	MYRA 10	10-Nov-2021		201				3.8	2.9	80.8	<1	80.8
21C1194	5	No	Regular	MYRA 11	MYRA 11	3-Mar-2021	7.78	243	128				3.1	95.3	<1	95.3
21D1862	5	No	Regular	MYRA 11	MYRA 11	14-Apr-2021		189	90.5				4	92	<1	92
21G0905	5	No	Regular	MYRA 11	MYRA 11	7-Jul-2021		266					<2	75.3	<1	75.3
21K1970	5	No	Regular	MYRA 11	MYRA 11	10-Nov-2021		265				7	3.5	97.3	<1	97.3
21I3483	1	No	Regular	Myra 9 Feed	Myra 9 Feed	21-Sep-2021										
21A2089	12	No	Regular	OUT-DRAIN	OUT-DRAIN	19-Jan-2021	6.5	813						32.2	<1	32.2
21E3248	7	No	Regular	OUT-DRAIN	OUT-DRAIN	25-May-2021										
21G3561	2	No	Regular	OUT-DRAIN	OUT-DRAIN	25-Jul-2021	6.7	396						25.1	<1	25.1
21K0622	16	No	Regular	OUT-DRAIN	OUT-DRAIN	1-Nov-2021	6.66	684						33	<1	33
21K3343	14	No	Regular	PAPER 1	PAPER 1	24-Nov-2021										
21K3343	15	No	Regular	PAPER 2	PAPER 2	24-Nov-2021										
21C1194	8	No	Regular	Phillips	Phillips	3-Mar-2021	7.33	1570	909			1250	20.1	62.3	<1	62.3
21D1862	8	No	Regular	Phillips	Phillips	14-Apr-2021		1430	875			542	17.7	66.6	<1	66.6
21G0905	8	No	Regular	Phillips	Phillips	7-Jul-2021		1550				1470	10	78.7	<1	78.7
21K1970	8	No	Regular	Phillips	Phillips	10-Nov-2021		1890				920	71.5	59.2	<1	59.2
21L3067	2	No	Regular	POTABLE 5	POTABLE 5	17-Dec-2021	7.43	98.5			0.21	<2		58	<1	58
21K1288	1	No	Regular	PR Bulkhead	PR Bulkhead	3-Nov-2021						6.8				
21K1288	2	No	Regular	PR Bulkhead	PR Bulkhead	4-Nov-2021						7.8				
21H2935	1	No	Regular	Pre Treatment	Pre Treatment	24-Aug-2021										
21A2089	6	No	Regular	PW14-03	PW14-03	19-Jan-2021	5.19	1080						2.2	<1	2.2
21B2265	8	No	Regular	PW14-03	PW14-03	18-Feb-2021	5.52	851	404					4.2	<1	4.2
21D2979	19	No	Regular	PW14-03	PW14-03	22-Apr-2021	5.74	768						7.8	<1	7.8
21E0556	9	No	Regular	PW14-03	PW14-03	4-May-2021	5.83	736						8.4	<1	8.4
21F1766	3	No	Regular	PW14-03	PW14-03	7-Jun-2021	6.78	455						15.6	<1	15.6
21G2909	3	No	Regular	PW14-03	PW14-03	20-Jul-2021	6.19	605						12.5	<1	12.5
21H0424	5	No	Regular	PW14-03	PW14-03	1-Aug-2021	6.17	585						13.5	<1	13.5
21J0455	1	No	Regular	PW14-03	PW14-03	30-Sep-2021	6.21	648						9.7	<1	9.7
21K0622	1	No	Regular	PW14-03	PW14-03	30-Oct-2021	5.54	1180						5.9	<1	5.9
21K3320	4	No	Regular	PW14-03	PW14-03	22-Nov-2021	5.38	1190						4.1	<1	4.1
21L1644	14	No	Regular	PW14-03	PW14-03	3-Dec-2021	5.28	1200						2.8	<1	2.8
21A2089	7	No	Regular	PW14-04	PW14-04	19-Jan-2021	4.47	1940						<1	<1	<1
21B2853	3	No	Regular	PW14-04	PW14-04	23-Feb-2021	4.8	1410	791					1.8	<1	1.8
21D2979	20	No	Regular	PW14-04	PW14-04	22-Apr-2021	4.78	1450						1.1	<1	1.1
21E0556	10	No	Regular	PW14-04	PW14-04	4-May-2021	4.77	1350						1.3	<1	1.3
21F1766	4	No	Regular	PW14-04	PW14-04	7-Jun-2021	4.81	1270						<1	<1	<1
21G2909	4	No	Regular	PW14-04	PW14-04	20-Jul-2021	5.25	1010						2.7	<1	2.7
21H0424	6	No	Regular	PW14-04	PW14-04	1-Aug-2021	5.49	964						4	<1	4
21J0455	2	No	Regular	PW14-04	PW14-04	30-Sep-2021	5.1	966						1.3	<1	1.3
21K3320	5	No	Regular	PW14-04	PW14-04	22-Nov-2021	4.54	1980						<1	<1	<1
21L1644	13	No	Regular	PW14-04	PW14-04	3-Dec-2021	4.56	1940						<1	<1	<1
21A2089	8	No	Regular	PW18-01	PW18-01	19-Jan-2021	6.52	227						27.9	<1	27.9
21D2979	15	No	Regular	PW18-01	PW18-01	22-Apr-2021	6.72	167						35.7	<1	35.7
21E0556	5	No	Regular	PW18-01	PW18-01	4-May-2021	6.62	207						22.2	<1	22.2
21F1766	5	No	Regular	PW18-01	PW18-01	7-Jun-2021	6.91	181						24.8	<1	24.8

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+ Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
MW-F	1-Nov-2021	<1	<1	1.21		194														
MYRA 10	3-Mar-2021	<1	<1	0.96		34.8		0.0388	0.039	<0.01	<0.05									
MYRA 10	14-Apr-2021	<1	<1	0.72		37.6		0.0312	0.031	<0.01	<0.05					0.0515	12.5	<0.0005	<0.05	0.0334
MYRA 10	7-Jul-2021	<1	<1	0.76		30.5		0.0374	0.037	<0.01	0.142					0.135	11.3	0.00213	<0.05	0.0358
MYRA 10	10-Nov-2021	<1	<1	0.73		29.3		0.0376	0.038	<0.01	0.054	0.0098	0.0094			0.0685	11.2	0.0008	<0.05	0.0498
MYRA 11	3-Mar-2021	<1	<1	0.7		37.2		0.0323	0.032	<0.01	<0.05									
MYRA 11	14-Apr-2021	<1	<1	0.7		21.9		0.0339	0.034	<0.01	<0.05					0.031	7.8	0.00132	<0.05	0.0686
MYRA 11	7-Jul-2021	<1	<1	1.14		53.7		2.42	2.27	0.157	0.782					0.0981	20.4	0.00079	<0.05	0.0597
MYRA 11	10-Nov-2021	<1	<1	0.78		49.9		0.0251	0.025	<0.01	<0.05	0.012	0.0053			0.211	20.3	0.00079	<0.05	0.0552
Myra 9 Feed	21-Sep-2021															0.302	210	0.000575	0.062	0.0296
OUT-DRAIN	19-Jan-2021	<1	<1	1.43		446														
OUT-DRAIN	25-May-2021																			
OUT-DRAIN	25-Jul-2021	<1	<1	1.06		222														
OUT-DRAIN	1-Nov-2021	<1	<1	1.64		415														
PAPER 1	24-Nov-2021																			
PAPER 2	24-Nov-2021																			
Phillips	3-Mar-2021	<1	<1	10.1		849		1.21	1.12	0.09	1.04									
Phillips	14-Apr-2021	<1	<1	13.1		809		0.393	0.355	0.038	0.542					15.3	321	0.0124	0.114	1.03
Phillips	7-Jul-2021	<1	<1	16.2		874		0.52	0.502	0.018	0.485					30.1	298	0.043	0.143	2.82
Phillips	10-Nov-2021	<1	<1	13.4		1110		0.702	0.689	0.013	0.8	1.01	0.0106			27	386	0.0312	0.142	2.29
POTABLE 5	17-Dec-2021	<1	<1			<1		<0.02	<0.01	<0.01	<0.05			0.56		0.0138	<3	<0.0005	<0.05	<0.005
PR Bulkhead	3-Nov-2021															6.39	546	0.00133	0.182	0.0153
PR Bulkhead	4-Nov-2021															9.56	510	0.00159	0.137	0.0189
Pre Treatment	24-Aug-2021																			
PW14-03	19-Jan-2021	<1	<1	10.9		602														
PW14-03	18-Feb-2021	<1	<1	9.25		504														
PW14-03	22-Apr-2021	<1	<1	8.09		382														
PW14-03	4-May-2021	<1	<1	8.36		352														
PW14-03	7-Jun-2021	<1	<1	4.69		238														
PW14-03	20-Jul-2021	<1	<1	6.4		339														
PW14-03	1-Aug-2021	<1	<1	6.07		283										0.769	97.7	0.000125	0.0099	0.0167
PW14-03	30-Sep-2021	<1	<1	4.99		322										1.12	114	0.000207	0.0139	0.0159
PW14-03	30-Oct-2021	<1	<1	9.47		626														
PW14-03	22-Nov-2021	<1	<1	11.6		591														
PW14-03	3-Dec-2021	<1	<1	10.4		937														
PW14-04	19-Jan-2021	<1	<1	2.99		2060														
PW14-04	23-Feb-2021	<1	<1	3.24		1180														
PW14-04	22-Apr-2021	<1	<1	3.06		869														
PW14-04	4-May-2021	<1	<1	3		816														
PW14-04	7-Jun-2021	<1	<1	2.83		740														
PW14-04	20-Jul-2021	<1	<1	2.81		560														
PW14-04	1-Aug-2021	<1	<1	2.6		551										1.46	183	0.000143	0.0121	0.015
PW14-04	30-Sep-2021	<1	<1	2.7		534										2.67	196	0.000206	0.0172	0.0152
PW14-04	22-Nov-2021	<1	<1	4.9		1310														
PW14-04	3-Dec-2021	<1	<1	4.34		1900														
PW18-01	19-Jan-2021	<1	<1	1.46		371														
PW18-01	22-Apr-2021	<1	<1	1.47		44.9														
PW18-01	4-May-2021	<1	<1	1.46		69.2														
PW18-01	7-Jun-2021	<1	<1	1.31		59.5														

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
MW-F	1-Nov-2021																						
MYRA 10	3-Mar-2021																						
MYRA 10	14-Apr-2021	<0.0001	<0.0001	0.00192	41.9	<0.0005	0.0009	0.072	0.679	<0.05	0.00047	3.18	0.142	0.00067	0.00226	0.00268	0.14	<0.0005	<0.0002	2.3	<0.00005	1.25	0.0916
MYRA 10	7-Jul-2021	<0.0001	<0.0001	0.00203	40.8	0.00058	0.00079	0.137	1.64	<0.05	0.0004	2.72	0.0865	0.00075	0.00199	0.00526	0.18	<0.0005	<0.0002	2.9	<0.00005	1.37	0.0906
MYRA 10	10-Nov-2021	<0.0001	<0.0001	0.0028	38.4	<0.0005	0.00086	0.0599	1.25	<0.05	0.00031	1.7	0.0995	0.00051	0.00185	0.0115	0.14	<0.0005	<0.0002	2.3	<0.00005	1.02	0.0625
MYRA 11	3-Mar-2021																						
MYRA 11	14-Apr-2021	<0.0001	<0.0001	0.00102	36	<0.0005	0.00053	0.0172	0.949	<0.05	0.00022	1.74	0.0877	0.00048	0.00127	0.0206	0.13	<0.0005	<0.0002	2.7	0.000119	1.11	0.0592
MYRA 11	7-Jul-2021	<0.0001	<0.0001	0.00148	37.7	<0.0005	0.00059	0.0125	0.558	<0.05	0.00168	6.83	0.0745	0.00342	0.00154	0.0107	1.16	0.00129	<0.0002	2.4	<0.00005	4.58	0.378
MYRA 11	10-Nov-2021	<0.0001	<0.0001	0.00589	49.7	0.00057	0.0016	0.217	2.11	<0.05	0.00053	3.11	0.169	0.00064	0.00383	0.0181	0.12	<0.0005	<0.0002	2.3	<0.00005	1.08	0.0909
Myra 9 Feed	21-Sep-2021	<0.00001	<0.00001	0.000244	155	0.00032	0.000302	0.0189	0.0712	<0.01	0.00404	11.7	0.0539	0.0102	0.000881	0.00118	10.8	0.00413	0.000073	3.42	0.000167	21.5	0.489
OUT-DRAIN	19-Jan-2021																						
OUT-DRAIN	25-May-2021																						
OUT-DRAIN	25-Jul-2021																						
OUT-DRAIN	1-Nov-2021																						
PAPER 1	24-Nov-2021															0.36							
PAPER 2	24-Nov-2021															1.1							
Phillips	3-Mar-2021																						
Phillips	14-Apr-2021	0.0002	0.00038	0.0493	293	0.0229	0.0349	0.362	23	0.388	0.0187	64.8	5.84	0.00394	0.0477	0.377	5.33	0.00091	<0.0002	29.5	0.00198	24	1.26
Phillips	7-Jul-2021	0.0003	0.00115	0.0412	294	0.0537	0.0393	0.756	55.6	1.02	0.0222	67.5	5.21	0.00869	0.0589	0.808	6.47	0.00133	0.0006	47.6	0.00609	27.3	1.31
Phillips	10-Nov-2021	0.00041	0.00078	0.186	346	0.0392	0.0852	1.76	52.6	0.987	0.026	87.4	8.6	0.00386	0.0989	0.791	7.81	0.00177	0.00055	41.4	0.00437	33.4	1.35
POTABLE 5	17-Dec-2021	<0.0001	<0.0001	<0.00001	19.4	<0.0005	<0.0001	0.143	<0.01	<0.05	<0.0001	0.727	0.00042	0.00011	<0.0004	0.00051	<0.1	<0.0005	<0.0002	1.7	<0.00005	0.7	0.0176
PR Bulkhead	3-Nov-2021	0.0007	<0.0001	0.365	376	0.00073	0.0964	4.9	3.18	<0.05	0.0266	84.9	10	<0.0001	0.0996	0.349	8.67	0.00125	<0.0002	8.8	<0.00005	39.7	1.53
PR Bulkhead	4-Nov-2021	0.00074	<0.0001	0.236	356	0.00109	0.0768	4.32	3.31	<0.05	0.0228	70.6	9	<0.0001	0.0805	0.548	7.92	0.0009	<0.0002	9.9	<0.00005	33.7	1.27
Pre Treatment	24-Aug-2021																						
PW14-03	19-Jan-2021																						
PW14-03	18-Feb-2021																						
PW14-03	22-Apr-2021																						
PW14-03	4-May-2021																						
PW14-03	7-Jun-2021																						
PW14-03	20-Jul-2021																						
PW14-03	1-Aug-2021	0.000174	<0.00001	0.0295	90.1	0.00016	0.00552	1.09	0.007	<0.01	0.000159	13.6	1.46	0.000013	0.0136	0.000324	0.651	0.00019	<0.00005	7.27	<0.00001	5.57	0.165
PW14-03	30-Sep-2021	0.000231	<0.00001	0.0332	95.3	0.00019	0.00643	1.25	0.0081	<0.01	0.000092	14.3	1.73	0.000026	0.0166	0.000433	0.694	0.00033	<0.00005	7.84	<0.00001	6.34	0.174
PW14-03	30-Oct-2021																						
PW14-03	22-Nov-2021																						
PW14-03	3-Dec-2021																						
PW14-04	19-Jan-2021																						
PW14-04	23-Feb-2021																						
PW14-04	22-Apr-2021																						
PW14-04	4-May-2021																						
PW14-04	7-Jun-2021																						
PW14-04	20-Jul-2021																						
PW14-04	1-Aug-2021	0.000169	<0.00001	0.0231	162	0.00021	0.00811	0.518	0.008	<0.01	0.000806	29.5	3.53	0.000032	0.0202	<0.00005	0.917	0.00022	<0.00005	10.2	0.000014	6.32	0.321
PW14-04	30-Sep-2021	0.000231	<0.00001	0.0262	150	0.0003	0.0149	0.66	0.123	<0.01	0.00102	29.7	3.98	<0.00001	0.0232	0.000114	0.949	0.00026	<0.00005	11.7	0.000013	6.84	0.321
PW14-04	22-Nov-2021																						
PW14-04	3-Dec-2021																						
PW18-01	19-Jan-2021																						
PW18-01	22-Apr-2021																						
PW18-01	4-May-2021																						
PW18-01	7-Jun-2021																						

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
MW-F	1-Nov-2021											0.0423	76.3	0.000054	0.0098	0.000028	<0.00001	0.0949	0.0105	63.6	0.00027	0.000391	0.0381	0.0514
MYRA 10	3-Mar-2021											0.0052	13.1	<0.0005	<0.05	<0.0001	<0.0001	0.0353	0.000994	40.3	<0.0005	0.00059	0.0021	0.047
MYRA 10	14-Apr-2021	<0.0005	0.000032	<0.0001	<0.005	<0.001	0.000143	<0.001	0.905	<0.0001	<0.00001	0.024	11.4	<0.0005	<0.05	<0.0001	<0.0001	0.0317	0.00163	40.6	<0.0005	0.00086	0.0242	0.015
MYRA 10	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000108	<0.001	0.823	<0.0001	<0.00001	0.0232	8.3	<0.0005	<0.05	<0.0001	<0.0001	0.0305	0.00119	35.2	<0.0005	0.00063	0.0117	0.026
MYRA 10	10-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000064	<0.001	0.944	<0.0001	<0.00001	0.0227	9.5	<0.0005	<0.05	<0.0001	<0.0001	0.0412	0.0024	38.8	<0.0005	0.00085	0.00811	0.013
MYRA 11	3-Mar-2021											0.0287	14.9	<0.0005	<0.05	<0.0001	<0.0001	0.0341	0.00203	46.5	<0.0005	0.00094	0.0295	0.03
MYRA 11	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000042	<0.001	0.562	<0.0001	<0.00001	<0.005	8.3	<0.0005	<0.05	<0.0001	<0.0001	0.0368	0.000771	33.7	<0.0005	0.00047	0.0013	<0.01
MYRA 11	7-Jul-2021	<0.0005	0.000021	<0.0001	<0.005	<0.001	0.000075	<0.001	0.617	<0.0001	<0.00001	0.0375	18.1	<0.0005	<0.05	<0.0001	<0.0001	0.0375	0.00102	35.5	<0.0005	0.00048	0.00172	<0.01
MYRA 11	10-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00016	<0.001	1.89	<0.0001	<0.00001	0.042	16.8	<0.0005	<0.05	<0.0001	<0.0001	0.0517	0.00505	49.6	<0.0005	0.00149	0.0221	0.012
Myra 9 Feed	21-Sep-2021	<0.00005	0.0000415	<0.00001	0.00205	0.00067	0.0000371	0.00021	0.0596	0.000021		0.25	183	0.000472	0.0643	<0.00001	<0.00001	0.0264	0.00012	150	0.00029	0.000202	0.0126	0.0161
OUT-DRAIN	19-Jan-2021											0.474	151	<0.0005	<0.05	<0.0001	<0.0001	0.041	0.0208	117	<0.0005	0.00453	0.282	0.387
OUT-DRAIN	25-May-2021											0.23	70.1	<0.0005	<0.05	<0.0001	<0.0001	0.0163	0.00586	68.3	<0.0005	0.00151	0.112	0.212
OUT-DRAIN	25-Jul-2021											0.164	51	<0.0005	<0.05	<0.0001	<0.0001	0.0127	0.0066	47.8	<0.0005	0.00599	0.156	0.409
OUT-DRAIN	1-Nov-2021											0.414	109	<0.00005	0.0075	0.000058	<0.00001	0.0304	0.00831	88.8	0.00037	0.00244	0.148	0.315
PAPER 1	24-Nov-2021																							
PAPER 2	24-Nov-2021																							
Phillips	3-Mar-2021											0.0055	302	<0.0005	0.0808	<0.0001	<0.0001	0.0264	0.028	275	<0.0005	0.0266	0.00313	<0.01
Phillips	14-Apr-2021	<0.0005	0.000153	0.00027	0.536	<0.001	0.000584	0.0366	15.9	0.00572	<0.00001	<0.005	310	<0.0005	0.129	<0.0001	<0.0001	0.0156	0.0391	271	<0.0005	0.0251	0.0305	<0.01
Phillips	7-Jul-2021	0.00125	0.000213	0.00052	1.47	<0.001	0.000876	0.0999	9.9	0.0063	<0.00002	0.0083	257	0.0006	0.106	<0.0001	<0.0001	0.0153	0.0129	233	<0.0005	0.012	0.00121	0.07
Phillips	10-Nov-2021	0.00067	0.000231	0.00055	2.15	<0.001	0.00119	0.0952	54.8	0.00961	<0.00001	0.0168	357	0.00064	0.119	<0.0001	<0.0001	0.0688	0.168	295	<0.0005	0.0603	0.165	0.143
POTABLE 5	17-Dec-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0071	<0.0001	<0.00001													
PR Bulkhead	3-Nov-2021	<0.0005	0.000171	<0.0001	<0.005	<0.001	0.00235	<0.001	113	<0.0001		6.14	522	0.00107	0.167	0.00065	<0.0001	0.0116	0.35	380	0.00095	0.0949	4.86	0.319
PR Bulkhead	4-Nov-2021	<0.0005	0.000168	<0.0001	<0.005	<0.001	0.00217	<0.001	81.8	<0.0001		7.57	397	0.00086	0.117	0.00054	<0.0001	0.0088	0.196	314	0.00055	0.0652	3.71	0.483
Pre Treatment	24-Aug-2021																							
PW14-03	19-Jan-2021											4.11	215	<0.0005	<0.05	0.00043	<0.0001	0.0397	0.0771	156	<0.0005	0.0138	2.7	0.017
PW14-03	18-Feb-2021											2.6	159	<0.0005	<0.05	0.00032	<0.0001	0.0239	0.0533	122	<0.0005	0.0103	2.04	<0.01
PW14-03	22-Apr-2021											1.82	120	<0.0005	<0.05	0.00028	<0.0001	0.0202	0.0433	103	<0.0005	0.00848	1.61	0.014
PW14-03	4-May-2021											2.34	126	<0.0005	<0.05	0.00027	<0.0001	0.0213	0.0447	105	<0.0005	0.00866	1.62	<0.01
PW14-03	7-Jun-2021											1.01	109	<0.0005	<0.05	0.00022	<0.0001	0.0212	0.0348	98.4	<0.0005	0.00681	1.17	<0.01
PW14-03	20-Jul-2021											1.53	87.9	<0.0005	<0.05	0.00018	<0.0001	0.0216	0.0291	87.7	<0.0005	0.00584	1.09	0.012
PW14-03	1-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000193	0.00033	14.3	<0.00002		1.29	91.5	0.000117	0.0081	0.000167	<0.00001	0.0157	0.0281	84.6	0.00012	0.00522	1.05	0.0069
PW14-03	30-Sep-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000273	0.00036	20.2	0.000023		0.7	113	0.000227	0.0106	0.000206	<0.00001	0.0193	0.0321	97.5	0.00067	0.00617	1.76	0.0219
PW14-03	30-Oct-2021											2.84	212	0.000262	0.0117	0.000293	<0.00001	0.0441	0.0645	153	0.00047	0.0114	2.01	0.0168
PW14-03	22-Nov-2021											3.61	223	0.000332	0.0135	0.000354	<0.00001	0.0373	0.0661	184	0.00026	0.0129	2.27	0.0094
PW14-03	3-Dec-2021											3.36	200	0.000371	0.0114	0.000371	<0.00001	0.0358	0.0666	170	0.00029	0.0123	2.19	0.0102
PW14-04	19-Jan-2021											26.1	468	0.00114	<0.05	0.00123	<0.0001	0.0269	0.123	296	0.00127	0.0846	4.44	1.18
PW14-04	23-Feb-2021											8.45	318	0.00059	<0.05	0.00048	<0.0001	0.0201	0.0587	228	0.00053	0.0345	1.78	0.287
PW14-04	22-Apr-2021											7.79	275	<0.0005	<0.05	0.00047	<0.0001	0.0215	0.0544	215	<0.0005	0.0334	1.64	0.136
PW14-04	4-May-2021											8.2	291	<0.0005	<0.05	0.00049	<0.0001	0.0191	0.0543	220	<0.0005	0.0321	1.6	0.085
PW14-04	7-Jun-2021											5.23	248	<0.0005	<0.05	0.00038	<0.0001	0.0247	0.0432	198	<0.0005	0.0225	1.39	0.026
PW14-04	20-Jul-2021											2.04	180	<0.0005	<0.05	0.00021	<0.0001	0.0139	0.0242	166	<0.0005	0.00984	0.594	0.013
PW14-04	1-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000045	<0.0002	11	<0.00002		1.43	173	0.00014	0.0104	0.000148	<0.00001	0.0142	0.0223	154	0.00017	0.00777	0.494	0.0107
PW14-04	30-Sep-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000708	<0.0002	12.4	<0.00002		2.58	186	0.000214	0.0127	0.000217	<0.00001	0.0154	0.0248	141	0.00044	0.014	0.611	0.135
PW14-04	22-Nov-2021											17.3	441	0.000764	0.0191	0.000781	<0.00001	0.0286	0.089	293	0.00071	0.0644	2.84	1.35
PW14-04	3-Dec-2021											15.4	387	0.000802	0.0153	0.000783	<0.00001	0.0258	0.091	330	0.00058	0.0626	2.78	1.31
PW18-01	19-Jan-2021											0.308	29.9	<0.0005	<0.05	<0.0001	<0.0001	0.0172	0.00686	32.8	<0.0005	0.00044	0.0874	<0.01
PW18-01	22-Apr-2021											0.0543	17.6	<0.0005	<0.05	<0.0001	<0.0001	0.0067	0.00188	23	<0.0005	0.0002	0.0204	<0.01
PW18-01	4-May-2021											0.432	29.7	<0.0005	<0.05	<0.0001	<0.0001	0.0123	0.0067	30	<0.0005	0.00178	0.203	<0.01
PW18-01	7-Jun-2021											0.166	19.2	<0.0005	<0.05	<0.0001	<0.0001	0.0129	0.00438	24.7	<0.0005	0.00109	0.119	<0.01

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
MW-F	1-Nov-2021	<0.01	0.00034	14.8	0.145	0.000104	0.00959	0.0003	1.23		0.00029	6.58	0.167	<0.00005	<0.00001	3.37	0.000447	<0.00005	<0.000004	<0.00001	0.00021	<0.0002	0.0000192
MYRA 10	3-Mar-2021	<0.05	0.00261	1.98	0.112	0.00059	0.00151	0.00029	0.16		<0.0005	3	0.0716	<0.0002	<0.00005	1.08	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000046
MYRA 10	14-Apr-2021	<0.05	0.00046	2.78	0.137	0.00064	0.00207	<0.0002	0.12	<0.0002	<0.0005	2.3	0.0878	<0.0002	<0.00005	1.2	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000091
MYRA 10	7-Jul-2021	<0.05	0.00046	2.34	0.0703	0.00068	0.00148	<0.0002	0.16	<0.0002	<0.0005	2.2	0.0811	<0.0002	<0.00005	1.15	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000071
MYRA 10	10-Nov-2021	<0.05	0.00032	1.69	0.0964	0.00046	0.00191	0.00029	0.19	<0.0002	<0.0005	2.1	0.0619	<0.0002	<0.00005	1.09	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00005
MYRA 11	3-Mar-2021	<0.05	0.00233	2.76	0.14	0.00069	0.00357	<0.0002	0.16		<0.0005	2.9	0.0897	<0.0002	<0.00005	1.1	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00009
MYRA 11	14-Apr-2021	<0.05	0.00024	1.52	0.0816	0.00042	0.00097	<0.0002	0.12	0.00043	<0.0005	2.6	0.0556	<0.0002	<0.00005	1.05	0.00038	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000032
MYRA 11	7-Jul-2021	<0.05	0.00154	5.91	0.0605	0.0032	0.00132	<0.0002	1.01	0.00149	0.00076	2	0.337	<0.0002	<0.00005	4.12	0.00117	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000045
MYRA 11	10-Nov-2021	<0.05	0.00053	3.13	0.169	0.00071	0.00367	<0.0002	0.14	<0.0002	<0.0005	2.3	0.0924	<0.0002	<0.00005	1.09	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000103
Myra 9 Feed	21-Sep-2021	0.013	0.0039	11.6	0.0393	0.00998	0.000654	0.000116	10.5	0.0093	0.00411	3.32	0.476	<0.00005	0.000152	21.4	0.00916	<0.00005	0.0000386	<0.00001	<0.0002	0.00063	0.0000345
OUT-DRAIN	19-Jan-2021	<0.05	0.00025	30.8	1.41	<0.0001	0.0228	<0.0002	1.28		<0.0005	9	0.265	<0.0002	<0.00005	5.12	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000051
OUT-DRAIN	25-May-2021	<0.05	0.00019	15.2	0.378	0.00014	0.00809	0.00023	0.96		<0.0005	5.6	0.132	<0.0002	<0.00005	3.53	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
OUT-DRAIN	25-Jul-2021	<0.05	0.00032	10.3	0.784	0.00028	0.00864	<0.0002	0.7		<0.0005	4.7	0.0891	<0.0002	<0.00005	2.71	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
OUT-DRAIN	1-Nov-2021	<0.01	0.000195	19.9	0.352	0.00008	0.0101	0.000088	1.08		0.0003	7.14	0.198	<0.00005	<0.00001	5.04	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000426
PAPER 1	24-Nov-2021																						
PAPER 2	24-Nov-2021																						
Phillips	3-Mar-2021	<0.05	0.0123	53.9	5.25	0.00121	0.0318	0.00312	3.61		0.00069	6.4	1.14	<0.0002	<0.00005	17.3	0.00045	<0.0005	0.000065	<0.0001	<0.005	<0.001	0.000266
Phillips	14-Apr-2021	<0.05	0.0127	48	5.2	0.00096	0.0315	0.00502	3.82	0.00317	<0.0005	6.4	1.18	<0.0002	<0.00005	22.9	0.00032	<0.0005	0.000066	<0.0001	<0.005	<0.001	0.000252
Phillips	7-Jul-2021	<0.05	0.0108	34.2	3.27	0.00139	0.0141	0.00797	5.17	0.00666	0.00074	5	1.03	<0.0002	<0.00005	21.6	0.00094	<0.0005	0.000074	<0.0001	<0.005	<0.001	0.000346
Phillips	10-Nov-2021	<0.05	0.0159	60.8	6.65	0.00061	0.0639	0.00372	5.96	0.00419	0.00071	7	1.29	<0.0002	<0.00005	31.9	0.00046	<0.0005	0.000137	<0.0001	<0.005	<0.001	0.000469
POTABLE 5	17-Dec-2021									<0.0002													
PR Bulkhead	3-Nov-2021	<0.05	0.0254	85.6	9.79	<0.0001	0.0992	0.328	8.46	<0.0002	0.0013	8.6	1.48	<0.0002	<0.00005	39.1	<0.0002	<0.0005	0.000161	<0.0001	<0.005	<0.001	0.00222
PR Bulkhead	4-Nov-2021	<0.05	0.019	60.8	7.61	<0.0001	0.0683	0.471	6.3	<0.0002	0.00051	7.7	1.05	<0.0002	<0.00005	27.3	<0.0002	<0.0005	0.000144	<0.0001	<0.005	<0.001	0.00187
Pre Treatment	24-Aug-2021																						
PW14-03	19-Jan-2021	<0.05	0.00015	31	2.83	<0.0001	0.0368	0.00222	0.8		<0.0005	11.5	0.314	<0.0002	<0.00005	10.5	0.00036	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000066
PW14-03	18-Feb-2021	<0.05	0.00013	24.4	2.04	<0.0001	0.0265	0.00079	0.77		<0.0005	9.4	0.234	<0.0002	<0.00005	8.63	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000043
PW14-03	22-Apr-2021	<0.05	<0.0001	19	1.83	<0.0001	0.0221	0.00188	0.65		<0.0005	8.2	0.182	<0.0002	<0.00005	6.64	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000035
PW14-03	4-May-2021	<0.05	0.00015	21	1.85	<0.0001	0.0218	0.0006	0.7		<0.0005	9	0.193	<0.0002	<0.00005	7.68	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000037
PW14-03	7-Jun-2021	<0.05	0.00014	16.1	1.62	<0.0001	0.017	0.00088	0.63		<0.0005	8.5	0.171	<0.0002	<0.00005	6.25	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00003
PW14-03	20-Jul-2021	<0.05	0.00013	14.2	1.5	<0.0001	0.0144	0.00048	0.59		<0.0005	7.4	0.152	<0.0002	<0.00005	5.7	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000027
PW14-03	1-Aug-2021	<0.01	0.000146	12.7	1.38	0.000012	0.0129	0.00032	0.606	0.000076	0.0002	6.57	0.156	<0.00005	<0.00001	5.21	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000222
PW14-03	30-Sep-2021	<0.01	0.000097	13.6	1.62	0.000021	0.0161	0.00167	0.691	<0.00005	0.00024	7.53	0.175	<0.00005	<0.00001	6.07	<0.00005	<0.00005	<0.000004	<0.00001	0.00039	<0.0002	0.0000277
PW14-03	30-Oct-2021	<0.01	0.000091	29	3.01	<0.00001	0.0314	0.000612	0.957		0.00052	9.29	0.32	<0.00005	<0.00001	10.7	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000504
PW14-03	22-Nov-2021	<0.01	0.000114	31.3	3.4	<0.00001	0.0321	0.000625	1.02		0.00027	10.9	0.323	<0.00005	0.000012	11.4	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000564
PW14-03	3-Dec-2021	<0.01	0.000115	30.7	3.04	0.000012	0.031	0.000517	0.906		0.00037	9.4	0.3	<0.00005	<0.00001	10.8	<0.00005	<0.00005	0.0000041	<0.00001	<0.0002	<0.0002	0.0000581
PW14-04	19-Jan-2021	<0.05	0.004	80.5	10.2	<0.0001	0.0979	0.00767	1.2		<0.0005	19.7	0.69	<0.0002	<0.00005	7.87	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000637
PW14-04	23-Feb-2021	<0.05	0.00212	53.8	6.41	<0.0001	0.0485	0.0007	1.08		<0.0005	12.7	0.526	<0.0002	<0.00005	7.75	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000196
PW14-04	22-Apr-2021	<0.05	0.00178	52.2	6.63	<0.0001	0.0466	0.00061	1.08		<0.0005	12.7	0.43	0.00032	<0.00005	7.38	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000196
PW14-04	4-May-2021	<0.05	0.00185	50.5	6.27	<0.0001	0.0454	0.00033	1.16		0.00058	13.9	0.446	<0.0002	<0.00005	8.19	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00017
PW14-04	7-Jun-2021	<0.05	0.00139	44.3	5.57	<0.0001	0.0357	0.00208	0.98		<0.0005	13.2	0.391	<0.0002	<0.00005	7.08	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000127
PW14-04	20-Jul-2021	<0.05	0.00096	31.8	3.9	<0.0001	0.0223	<0.0002	0.85		<0.0005	10.4	0.3	<0.0002	<0.00005	6.47	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.000058
PW14-04	1-Aug-2021	<0.01	0.000749	28	3.43	<0.00001	0.0193	<0.00005	0.862	<0.00005	0.00021	9.7	0.307	<0.00005	0.000013	6.03	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000425
PW14-04	30-Sep-2021	<0.01	0.000978	26.3	4.21	<0.00001	0.022	0.000647	0.881	<0.00005	0.00026	11.2	0.305	<0.00005	0.000013	6.11	<0.00005	0.000058	<0.000004	<0.00001	<0.0002	<0.0002	0.0000637
PW14-04	22-Nov-2021	<0.01	0.0031	74.5	8.85	<0.00001	0.084	0.000701	1.51		0.00052	19.2	0.719	<0.00005	<0.00005	9.26	<0.00005	<0.00005	0.0000089	<0.00001	<0.0002	<0.0002	0.000349
PW14-04	3-Dec-2021	<0.01	0.0032	70.4	9.19	<0.00001	0.0754	0.000403	1.24		0.00046	16.3	0.624	<0.00005	0.000016	8.66	<0.00005	<0.00005	0.0000091	<0.00001	<0.0002	<0.0002	0.000361
PW18-01	19-Jan-2021	<0.05	<0.0001	5.88	0.0949	<0.0001	0.00637	0.00047	0.39		<0.0005	7.1	0.0892	0.00021	<0.00005	1.77	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-01	22-Apr-2021	<0.05	<0.0001	3.3	0.0379	<0.0001	0.00205	<0.0002	0.29		<0.0005	3.9	0.0476	<0.0002	<0.00005	1.34	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-01	4-May-2021	<0.05	0.00037	6.14	0.207	<0.0001	0.00508	<0.0002	0.35		<0.0005	6.1	0.0637	<0.0002	<0.00005	1.8	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-01	7-Jun-2021	0.055	0.00029	3.91	0.0887	<0.0001	0.00325	<0.0002	0.31		<0.0005	5.2	0.0496	<0.0002	<0.00005	1.38	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-F	1-Nov-2021	<0.0002	5.58	<0.00002					
MYRA 10	3-Mar-2021	<0.001	0.528	<0.0001					
MYRA 10	14-Apr-2021	<0.001	0.731	<0.0001	<0.00001				
MYRA 10	7-Jul-2021	<0.001	0.44	<0.0001	<0.00001				
MYRA 10	10-Nov-2021	<0.001	0.75	<0.0001	<0.00001				
MYRA 11	3-Mar-2021	<0.001	0.861	<0.0001					
MYRA 11	14-Apr-2021	<0.001	0.396	<0.0001	<0.00001				
MYRA 11	7-Jul-2021	<0.001	0.402	<0.0001	<0.00001				
MYRA 11	10-Nov-2021	<0.001	1.43	<0.0001	<0.00001				
Myra 9 Feed	21-Sep-2021	<0.0002	0.0132	<0.00002					
OUT-DRAIN	19-Jan-2021	<0.001	11.4	<0.0001					
OUT-DRAIN	25-May-2021	<0.001	4	<0.0001					
OUT-DRAIN	25-Jul-2021	0.001	3.1	<0.0001					
OUT-DRAIN	1-Nov-2021	<0.0002	6.09	<0.00002					
PAPER 1	24-Nov-2021								
PAPER 2	24-Nov-2021								
Phillips	3-Mar-2021	<0.001	10.6	<0.0001					
Phillips	14-Apr-2021	<0.001	14	<0.0001	<0.00001				
Phillips	7-Jul-2021	<0.001	4.29	<0.0001	<0.00001				
Phillips	10-Nov-2021	<0.001	40.4	<0.0001	<0.00001				
POTABLE 5	17-Dec-2021								
PR Bulkhead	3-Nov-2021	<0.001	104	<0.0001					
PR Bulkhead	4-Nov-2021	<0.001	61.9	<0.0001					
Pre Treatment	24-Aug-2021								
PW14-03	19-Jan-2021	<0.001	35.8	<0.0001					
PW14-03	18-Feb-2021	<0.001	28.4	<0.0001					
PW14-03	22-Apr-2021	0.0013	23.1	<0.0001					
PW14-03	4-May-2021	<0.001	22	<0.0001					
PW14-03	7-Jun-2021	<0.001	16.1	<0.0001					
PW14-03	20-Jul-2021	<0.001	12.4	<0.0001					
PW14-03	1-Aug-2021	0.00024	13.5	0.000033					
PW14-03	30-Sep-2021	<0.0002	20.8	0.000024					
PW14-03	30-Oct-2021	0.00044	31.8	0.000084					
PW14-03	22-Nov-2021	<0.0002	30.2	0.000086					
PW14-03	3-Dec-2021	0.00022	33.4	0.000091					
PW14-04	19-Jan-2021	<0.001	40.5	<0.0001					
PW14-04	23-Feb-2021	<0.001	20.4	<0.0001					
PW14-04	22-Apr-2021	<0.001	20.6	<0.0001					
PW14-04	4-May-2021	<0.001	21.4	<0.0001					
PW14-04	7-Jun-2021	<0.001	17.1	<0.0001					
PW14-04	20-Jul-2021	<0.001	9.96	<0.0001					
PW14-04	1-Aug-2021	<0.0002	10.7	<0.00002					
PW14-04	30-Sep-2021	<0.0002	13	<0.00002					
PW14-04	22-Nov-2021	<0.0002	30.9	0.000034					
PW14-04	3-Dec-2021	<0.0002	33	0.00003					
PW18-01	19-Jan-2021	0.0011	3.35	<0.0001					
PW18-01	22-Apr-2021	0.0014	1.08	<0.0001					
PW18-01	4-May-2021	<0.001	2.56	<0.0001					
PW18-01	7-Jun-2021	<0.001	1.7	<0.0001					

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21G1800	1	No	Regular	PW18-01	PW18-01	12-Jul-2021	6.86	131						32.5	<1	32.5
21H0424	7	No	Regular	PW18-01	PW18-01	1-Aug-2021	6.85	131						34.2	<1	34.2
21A2089	9	No	Regular	PW18-02	PW18-02	19-Jan-2021	6.55	225						27.5	<1	27.5
21D2979	16	No	Regular	PW18-02	PW18-02	22-Apr-2021	6.82	166						36.7	<1	36.7
21E0556	6	No	Regular	PW18-02	PW18-02	4-May-2021	6.65	201						22.2	<1	22.2
21F1766	6	No	Regular	PW18-02	PW18-02	7-Jun-2021	6.9	177						25.2	<1	25.2
21G1800	2	No	Regular	PW18-02	PW18-02	12-Jul-2021	7.45	143						32.9	<1	32.9
21H0424	8	No	Regular	PW18-02	PW18-02	1-Aug-2021	6.89	128						33.6	<1	33.6
21A2089	10	No	Regular	PW18-03	PW18-03	19-Jan-2021										
21D2979	17	No	Regular	PW18-03	PW18-03	22-Apr-2021	6.7	160						34.7	<1	34.7
21E0556	7	No	Regular	PW18-03	PW18-03	4-May-2021	6.6	203						22	<1	22
21F1766	7	No	Regular	PW18-03	PW18-03	7-Jun-2021	6.92	178						24.5	<1	24.5
21G1800	3	No	Regular	PW18-03	PW18-03	12-Jul-2021	7.39	142						33.3	<1	33.3
21H0424	9	No	Regular	PW18-03	PW18-03	1-Aug-2021	6.92	129						34.1	<1	34.1
21A2089	11	No	Regular	PW18-04	PW18-04	19-Jan-2021	6.62	223						28.4	<1	28.4
21D2979	18	No	Regular	PW18-04	PW18-04	22-Apr-2021	6.8	163						34.5	<1	34.5
21E0556	8	No	Regular	PW18-04	PW18-04	4-May-2021	6.68	201						22.4	<1	22.4
21F1766	8	No	Regular	PW18-04	PW18-04	7-Jun-2021	6.85	178						24.7	<1	24.7
21G1800	4	No	Regular	PW18-04	PW18-04	12-Jul-2021	7.43	142						33	<1	33
21H0424	10	No	Regular	PW18-04	PW18-04	1-Aug-2021	6.92	129						34.3	<1	34.3
21C1194	6	No	Regular	QUARRY	QUARRY	3-Mar-2021	7.59	94.5	48.4				<2	49	<1	49
21D1862	6	No	Regular	QUARRY	QUARRY	14-Apr-2021		117	53.6			<2	2.7	58.3	<1	58.3
21G0905	6	No	Regular	QUARRY	QUARRY	7-Jul-2021		153				<2	<2	73.8	<1	73.8
21K1970	6	No	Regular	QUARRY	QUARRY	10-Nov-2021		91.3				2.8	<2	41.8	<1	41.8
21K3343	13	No	Regular	REF JAR EXTIN	REF JAR EXTIN	24-Nov-2021										
21K3343	12	No	Regular	REF JAR INTERNAL	REF JAR INTERNAL	24-Nov-2021										
21L1649	1	No	Regular	Road Seep Pond 4	Road Seep Pond 4	2-Dec-2021										
21A1459	1	No	Regular	SEEP MYRA 2S	SEEP MYRA 2S	13-Jan-2021	7.2	138						97.5	<1	97.5
21I2669	1	No	Regular	Spill-Source	Spill-Source	17-Sep-2021	7.55	172				980		28	<1	28
21H1511	1	No	Regular	Surgepond	Surgepond	11-Aug-2021						17.2				
21G0933	1	No	Regular	TD 13-05 D	TD 13-05 D	30-Jun-2021	4.4	476						<1	<1	<1
21F1766	1	No	Regular	TD-13-02 D	TD-13-02 D	8-Jun-2021	4.5	1440						<1	<1	<1
21L1644	10	No	Regular	TD13-02D	TD13-02D	4-Dec-2021	4.27	1640						<1	<1	<1
21L1644	9	No	Regular	TD13-02S	TD13-02S	4-Dec-2021	7.57	2300						12.3	<1	12.3
21H2935	3	No	Regular	Tennant Raw	Tennant Raw	24-Aug-2021										
21K3343	1	No	Regular	Tray	Tray	24-Nov-2021										
21E1733	2	No	Regular	Trip Blank	Trip Blank	12-May-2021										
21E3248	8	No	Regular	Trip Blank	Trip Blank	26-May-2021										
21F0686	7	No	Regular	Trip Blank	Trip Blank	2-Jun-2021										
21G0973	7	No	Regular	Trip Blank	Trip Blank	7-Jul-2021										
21I3479	2	No	Regular	Trip Blank	Trip Blank	22-Sep-2021										
21K1998	2	No	Regular	Underdrain ?	Underdrain ?	11-Nov-2021	7.77	105						59	<1	59
21L0605	1	No	Regular	Underdrain A	Underdrain A	25-Nov-2021	7.38	82.1				<2		43.4	<1	43.4
21L0605	2	No	Regular	Underdrain A	Underdrain A	26-Nov-2021	7.68	92.3				<2		53.7	<1	53.7
21L0605	3	No	Regular	Underdrain A	Underdrain A	27-Nov-2021	7.68	87.2				<2		50.2	<1	50.2
21L0605	4	No	Regular	Underdrain A	Underdrain A	28-Nov-2021	7.53	55.4				<2		32.1	<1	32.1
21J3085	1	No	Regular	UNDERDRAIN I	UNDERDRAIN I	15-Oct-2021	6.98	101				64		29.2	<1	29.2
21K1998	1	No	Regular	UNDERDRAIN I	UNDERDRAIN I	11-Nov-2021	7.8	98.7						55.4	<1	55.4
21L0605	8	No	Regular	Underdrain K	Underdrain K	28-Nov-2021	7.71	79.6				<2		46.4	<1	46.4

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+ Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
PW18-01	12-Jul-2021	<1	<1	1.18		38.2														
PW18-01	1-Aug-2021	<1	<1	0.94		31.6										0.0072	10.4	<0.00005	0.0047	0.00496
PW18-02	19-Jan-2021	<1	<1	1.47		82.8														
PW18-02	22-Apr-2021	<1	<1	1.48		44.4														
PW18-02	4-May-2021	<1	<1	1.48		68.3														
PW18-02	7-Jun-2021	<1	<1	1.3		59.2														
PW18-02	12-Jul-2021	<1	<1	1.13		37														
PW18-02	1-Aug-2021	<1	<1	0.87		31.4										0.0072	10.2	<0.00005	0.0045	0.00497
PW18-03	19-Jan-2021																			
PW18-03	22-Apr-2021	<1	<1	1.47		44.3														
PW18-03	4-May-2021	<1	<1	1.44		69.2														
PW18-03	7-Jun-2021	<1	<1	1.33		59.2														
PW18-03	12-Jul-2021	<1	<1	1.15		38.5														
PW18-03	1-Aug-2021	<1	<1	0.88		31.5										0.008	10.3	<0.00005	0.0042	0.0053
PW18-04	19-Jan-2021	<1	<1	1.48		79.2														
PW18-04	22-Apr-2021	<1	<1	1.46		44.1														
PW18-04	4-May-2021	<1	<1	1.45		68.9														
PW18-04	7-Jun-2021	<1	<1	1.3		59														
PW18-04	12-Jul-2021	<1	<1	1.09		38.1														
PW18-04	1-Aug-2021	<1	<1	0.91		32.2										0.0068	10.3	<0.00005	0.0042	0.00486
QUARRY	3-Mar-2021	<1	<1	1.01		2.6		0.154	0.154	<0.01	<0.05									
QUARRY	14-Apr-2021	<1	<1	0.71		7.2		0.587	0.587	<0.01	<0.05					0.021	<3	<0.0005	<0.05	0.0089
QUARRY	7-Jul-2021	<1	<1	0.76		8.9		0.585	0.585	<0.01	<0.05					0.0394	3.4	0.00079	<0.05	0.0221
QUARRY	10-Nov-2021	<1	<1	0.9		7.4		0.0309	0.031	<0.01	0.078	0.007	0.0067			0.0297	<3	<0.0005	<0.05	0.0087
REF JAR EXTIN	24-Nov-2021																			
REF JAR INTERNAL	24-Nov-2021																			
Road Seep Pond 4	2-Dec-2021			0.66		10.5										0.0075	3	0.000217	0.0049	0.0651
SEEP MYRA 2S	13-Jan-2021	<1	<1													0.0235	<3	0.00073	<0.05	0.0182
Spill-Source	17-Sep-2021	<1	<1	0.62	0.16	56.7		0.0811	0.0811	<0.005	0.051	1.17	0.0082			64.3	21.2	0.0587	0.0296	4.42
Surgepond	11-Aug-2021															0.636	152	0.00483	0.126	0.142
TD 13-05 D	30-Jun-2021	<1	<1	1.5		235														
TD-13-02 D	8-Jun-2021	<1	<1	1.99		1020														
TD13-02D	4-Dec-2021	<1	<1	1.77		1010														
TD13-02S	4-Dec-2021	<1	<1	0.98		1460														
Tennant Raw	24-Aug-2021																			
Tray	24-Nov-2021																			
Trip Blank	12-May-2021															<0.005	<3	<0.0005	<0.05	<0.005
Trip Blank	26-May-2021															<0.005	<3	<0.0005	<0.05	<0.005
Trip Blank	2-Jun-2021															<0.005	<3	<0.0005	<0.05	<0.005
Trip Blank	7-Jul-2021															<0.005	<0.6	<0.0005	<0.01	<0.005
Trip Blank	22-Sep-2021															<0.002	<1	<0.00005	<0.002	<0.0001
Underdrain ?	11-Nov-2021	<1	<1													0.0079	<1	0.000109	0.0021	0.00413
Underdrain A	25-Nov-2021	<1	<1			<1	<0.05	0.0051				0.0125				0.0296	<1	<0.00005	0.0026	0.00327
Underdrain A	26-Nov-2021	<1	<1			<1	<0.05	<0.005				0.0138								
Underdrain A	27-Nov-2021	<1	<1			<1	<0.05	<0.005				0.0128								
Underdrain A	28-Nov-2021	<1	<1			<1	<0.05	<0.005				0.0136								
UNDERDRAIN I	15-Oct-2021	<1	<1	0.72	<0.1	21.8			<0.01	<0.01	<0.05		<0.005			0.188	8.2	<0.0005	<0.05	0.014
UNDERDRAIN I	11-Nov-2021	<1	<1													0.0179	<1	0.000061	0.0022	0.00817
Underdrain K	28-Nov-2021	<1	<1			<1	<0.05	0.0123				0.0116								

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
PW18-01	12-Jul-2021																						
PW18-01	1-Aug-2021	<0.00001	<0.00001	0.000801	20.8	0.00034	0.00001	0.00635	<0.002	<0.01	0.000077	2.38	0.00126	0.000026	0.000872	<0.00005	0.251	0.00019	<0.00005	3.71	<0.00001	1.19	0.0398
PW18-02	19-Jan-2021																						
PW18-02	22-Apr-2021																						
PW18-02	4-May-2021																						
PW18-02	7-Jun-2021																						
PW18-02	12-Jul-2021																						
PW18-02	1-Aug-2021	<0.00001	<0.00001	0.000808	20.6	0.00031	0.0000087	0.0061	<0.002	<0.01	0.000077	2.41	0.00092	0.000013	0.000884	<0.00005	0.262	0.0002	<0.00005	3.93	<0.00001	1.22	0.0398
PW18-03	19-Jan-2021																						
PW18-03	22-Apr-2021																						
PW18-03	4-May-2021																						
PW18-03	7-Jun-2021																						
PW18-03	12-Jul-2021																						
PW18-03	1-Aug-2021	<0.00001	<0.00001	0.00076	20.1	0.00029	0.0000085	0.00591	0.0024	<0.01	0.000081	2.3	0.000839	0.000036	0.000849	<0.00005	0.253	0.00017	<0.00005	3.78	<0.00001	1.17	0.0387
PW18-04	19-Jan-2021																						
PW18-04	22-Apr-2021																						
PW18-04	4-May-2021																						
PW18-04	7-Jun-2021																						
PW18-04	12-Jul-2021																						
PW18-04	1-Aug-2021	<0.00001	<0.00001	0.000797	20.6	0.00031	0.0000087	0.00604	<0.002	<0.01	0.000079	2.33	0.000862	0.000018	0.00101	<0.00005	0.253	0.00018	<0.00005	3.67	<0.00001	1.19	0.0395
QUARRY	3-Mar-2021																						
QUARRY	14-Apr-2021	<0.0001	<0.0001	<0.00001	20.1	<0.0005	<0.0001	0.0008	<0.01	<0.05	<0.0001	1.03	0.00073	0.00089	0.00143	0.00024	0.18	<0.0005	<0.0002	1.8	<0.00005	1.28	0.0359
QUARRY	7-Jul-2021	<0.0001	<0.0001	0.000015	27.3	<0.0005	<0.0001	0.00088	0.011	<0.05	0.00018	1.36	0.00139	0.00263	0.0008	0.00025	0.41	<0.0005	<0.0002	2.7	<0.00005	1.71	0.057
QUARRY	10-Nov-2021	<0.0001	<0.0001	0.000041	17.6	<0.0005	<0.0001	0.0022	0.017	<0.05	<0.0001	0.704	0.00116	0.00068	<0.0004	<0.0002	0.14	<0.0005	<0.0002	1.6	<0.00005	0.93	0.0294
REF JAR EXTIN	24-Nov-2021															3							
REF JAR INTERNAL	24-Nov-2021															0.099							
Road Seep Pond 4	2-Dec-2021	<0.00001	<0.00001	0.00157	31.5	0.00028	0.0000442	0.00884	0.005	<0.01	0.000209	1.09	0.00418	0.00162	0.000228	0.00183	0.186	0.00203	<0.00005	2.33	<0.00001	1.02	0.0412
SEEP MYRA 2S	13-Jan-2021	<0.0001	<0.0001	0.00018	26.6	<0.0005	<0.0001	0.00148	0.019	<0.05	<0.0001	0.741	0.014	0.00304	<0.0004	0.00088	0.19	<0.0005	<0.0002	3.2	<0.00005	1.1	0.034
Spill-Source	17-Sep-2021	0.000472	0.00187	0.0258	36.8	0.0437	0.0297	1.31	67.4	1.11	0.00987	22.4	1.69	0.00258	0.0395	1.74	1.99	0.0018	0.000488	43.8	0.00963	2.27	0.135
Surgepond	11-Aug-2021	<0.00001	0.000049	0.000297	131	0.00079	0.0000863	0.0358	0.309	0.045	0.00347	1.37	0.00936	0.0333	0.000455	0.0282	21.4	0.0106	0.000059	3.31	0.000327	38.5	0.371
TD 13-05 D	30-Jun-2021																						
TD-13-02 D	8-Jun-2021																						
TD13-02D	4-Dec-2021																						
TD13-02S	4-Dec-2021																						
Tennant Raw	24-Aug-2021																						
Tray	24-Nov-2021															0.19							
Trip Blank	12-May-2021	<0.0001	<0.0001	<0.00001	<0.2	<0.0005	<0.0001	<0.0004	<0.01	<0.05	<0.0001	<0.01	<0.0002	0.00054	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	<1	<0.00005	<0.1	<0.001
Trip Blank	26-May-2021	<0.0001	<0.0001	<0.00001	<0.2	<0.0005	<0.0001	<0.0004	<0.01	<0.05	<0.0001	<0.01	<0.0002	<0.0001	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	<1	<0.00005	<0.1	<0.001
Trip Blank	2-Jun-2021	<0.0001	<0.0001	<0.00001	<0.2	<0.0005	<0.0001	<0.0004	<0.01	<0.05	<0.0001	<0.01	<0.0002	<0.0001	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	<1	<0.00005	<0.1	<0.001
Trip Blank	7-Jul-2021	<0.0001	<0.0001	<0.00001	<0.2	<0.0005	<0.00005	<0.0004	<0.01	<0.05	<0.0001	<0.01	<0.0002	<0.0001	<0.0004	<0.0002	<0.02	<0.0005	<0.00004	<0.5	<0.00005	<0.02	0.001
Trip Blank	22-Sep-2021	<0.00001	<0.00001	<0.000002	<0.04	<0.0001	<0.000005	<0.0002	<0.002	<0.01	<0.00005	<0.005	<0.00005	<0.00001	<0.00004	<0.00005	<0.01	<0.0001	<0.00005	<0.1	<0.00001	<0.02	<0.0001
Underdrain ?	11-Nov-2021	<0.00001	<0.00001	0.0000062	20.6	0.00014	0.0000182	0.00066	0.0053	<0.01	<0.00005	0.772	0.000513	0.000134	<0.00004	0.000051	0.069	<0.0001	<0.00005	1.94	<0.00001	0.979	0.0184
Underdrain A	25-Nov-2021	<0.00001	<0.00001	0.0000369	15.5	0.00024	0.0000292	0.00129	0.0178	<0.01	0.000067	0.715	0.00128	0.000064	0.000072	0.00033	0.08	<0.0001	<0.00005	1.91	<0.00001	0.84	0.0155
Underdrain A	26-Nov-2021																						
Underdrain A	27-Nov-2021																						
Underdrain A	28-Nov-2021																						
UNDERDRAIN I	15-Oct-2021	<0.0001	<0.0001	0.00258	16.2	<0.0005	0.00064	0.0926	0.043	<0.05	0.00024	0.947	0.0313	<0.0001	0.00109	0.00222	<0.1	<0.0005	<0.0002	2	<0.00005	0.67	0.015
UNDERDRAIN I	11-Nov-2021	<0.00001	<0.00001	0.0000329	19.1	0.0005	0.000015	0.00135	0.0065	<0.01	<0.00005	0.793	0.00042	0.000051	0.000113	0.000236	0.075	<0.0001	<0.00005	1.94	<0.00001	0.823	0.0164
Underdrain K	28-Nov-2021																						

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
PW18-01	12-Jul-2021											0.0136	14.1	<0.0005	<0.05	<0.0001	<0.0001	0.0059	0.00107	20.6	<0.0005	<0.0001	0.00933	<0.01
PW18-01	1-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000011	0.0003	0.523	<0.00002		0.0064	9.53	<0.00005	0.0033	<0.00001	<0.00001	0.00474	0.000769	19.8	0.00033	0.0000114	0.00584	0.0025
PW18-02	19-Jan-2021											0.276	30.1	<0.0005	<0.05	<0.0001	<0.0001	0.0165	0.00617	31.4	<0.0005	0.0003	0.0679	<0.01
PW18-02	22-Apr-2021											0.0206	13.6	<0.0005	<0.05	<0.0001	<0.0001	0.0074	0.00151	22.3	<0.0005	<0.0001	0.0134	<0.01
PW18-02	4-May-2021											0.348	24.3	<0.0005	<0.05	<0.0001	<0.0001	0.0117	0.00576	26.4	<0.0005	0.0012	0.173	<0.01
PW18-02	7-Jun-2021											0.168	20.3	<0.0005	<0.05	<0.0001	<0.0001	0.0116	0.0045	24.7	<0.0005	0.00099	0.132	<0.01
PW18-02	12-Jul-2021											0.0103	11.3	<0.0005	<0.05	<0.0001	<0.0001	0.006	0.00104	19.8	<0.0005	<0.0001	0.00877	<0.01
PW18-02	1-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001	0.00031	0.522	<0.00002		0.0054	9.81	<0.00005	0.0031	<0.00001	<0.00001	0.00456	0.000753	19.4	0.00023	0.000009	0.0057	<0.002
PW18-03	19-Jan-2021											0.271	31.1	<0.0005	<0.05	0.00016	<0.0001	0.0162	0.0061	30.1	<0.0005	0.00031	0.0657	<0.01
PW18-03	22-Apr-2021											0.0167	14.2	<0.0005	<0.05	<0.0001	<0.0001	0.0064	0.00146	22.4	<0.0005	<0.0001	0.0145	<0.01
PW18-03	4-May-2021											0.39	24.6	<0.0005	<0.05	<0.0001	<0.0001	0.012	0.00587	27.3	<0.0005	0.00124	0.178	<0.01
PW18-03	7-Jun-2021											0.181	21	<0.0005	<0.05	<0.0001	<0.0001	0.0116	0.00456	25.1	<0.0005	0.00104	0.144	<0.01
PW18-03	12-Jul-2021											0.0124	11.8	<0.0005	<0.05	<0.0001	<0.0001	0.0057	0.00106	19.9	<0.0005	<0.0001	0.0092	<0.01
PW18-03	1-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001	0.00026	0.506	<0.00002		0.0058	9.8	<0.00005	0.0031	<0.00001	<0.00001	0.0045	0.000746	19.4	0.00021	0.0000084	0.00566	0.0035
PW18-04	19-Jan-2021											0.268	31.1	<0.0005	<0.05	<0.0001	<0.0001	0.0165	0.00624	30.9	<0.0005	0.00029	0.0674	<0.01
PW18-04	22-Apr-2021											0.0166	13.8	<0.0005	<0.05	<0.0001	<0.0001	0.0071	0.0014	22.6	<0.0005	<0.0001	0.0173	<0.01
PW18-04	4-May-2021											0.384	26.2	<0.0005	<0.05	<0.0001	<0.0001	0.0122	0.00597	27.1	<0.0005	0.00129	0.18	<0.01
PW18-04	7-Jun-2021											0.129	20.4	<0.0005	<0.05	<0.0001	<0.0001	0.0138	0.00452	25.9	<0.0005	0.00107	0.129	<0.01
PW18-04	12-Jul-2021											0.0132	12.7	<0.0005	<0.05	<0.0001	<0.0001	0.0058	0.00113	20.3	<0.0005	<0.0001	0.00946	<0.01
PW18-04	1-Aug-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001	0.00028	0.516	<0.00002		0.0058	10.4	<0.00005	0.0033	<0.00001	<0.00001	0.00511	0.000796	19.8	0.00024	0.0000092	0.00575	<0.002
QUARRY	3-Mar-2021											0.0089	3.4	<0.0005	<0.05	<0.0001	<0.0001	0.0087	<0.00001	18.2	<0.0005	<0.0001	0.00137	<0.01
QUARRY	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	<0.004	<0.0001	<0.00001	0.0116	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0087	<0.00001	19.9	<0.0005	<0.0001	0.00058	<0.01
QUARRY	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00002	0.0015	0.0053	<0.0001	<0.00001	0.0335	<3	0.00084	<0.05	<0.0001	<0.0001	0.0182	<0.00001	24	<0.0005	<0.0001	0.00134	<0.01
QUARRY	10-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0114	<0.0001	<0.00001	0.0244	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0083	0.000037	17.2	<0.0005	<0.0001	0.0016	<0.01
REF JAR EXTIN	24-Nov-2021																							
REF JAR INTERNAL	24-Nov-2021																							
Road Seep Pond 4	2-Dec-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000005	<0.0002	0.27	<0.00002		0.0038	3.65	0.000182	0.0041	<0.00001	<0.00001	0.0577	0.00139	26.4	0.00016	0.0000373	0.00739	0.0024
SEEP MYRA 2S	13-Jan-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0409	<0.0001		0.0064	3	0.00076	<0.05	<0.0001	<0.0001	0.0159	0.000128	28.8	<0.0005	<0.0001	<0.0004	<0.01
Spill-Source	17-Sep-2021	0.00174	0.000161	0.000625	3.03	0.0002	0.0006	0.119	6.6	0.00244		0.111	15.7	0.000266	0.0023	<0.00001	<0.00001	0.0387	0.00036	23.7	0.0003	0.000323	0.00338	0.0594
Surgepond	11-Aug-2021	0.000566	0.0000238	<0.00001	0.00279	0.0043	0.0000432	0.00138	0.0876	0.000038		0.482	260	0.00348	0.112	<0.00001	0.000068	0.043	0.0000218	121	0.0003	0.0000107	0.025	0.0036
TD 13-05 D	30-Jun-2021											2.64	74.7	<0.0005	<0.05	0.00034	<0.0001	0.0135	0.0188	59.2	<0.0005	0.0118	1.43	0.131
TD-13-02 D	8-Jun-2021											13.1	310	0.00077	<0.05	0.001	<0.0001	0.0155	0.0786	200	<0.0005	0.0645	2.49	0.02
TD13-02D	4-Dec-2021											27.5	309	0.00112	0.0128	0.00146	<0.00001	0.0209	0.119	164	0.00039	0.117	5.35	0.0918
TD13-02S	4-Dec-2021											0.0941	457	0.0159	0.013	<0.00001	0.000014	0.0147	0.00253	586	0.00017	0.0016	0.00775	0.187
Tennant Raw	24-Aug-2021																							
Tray	24-Nov-2021																							
Trip Blank	12-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	<0.004	<0.0001		0.006	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	<0.2	<0.0005	<0.0001	<0.0004	<0.01
Trip Blank	26-May-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	<0.004	<0.0001		<0.005	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	<0.2	<0.0005	<0.0001	<0.0004	<0.01
Trip Blank	2-Jun-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	<0.004	<0.0001		<0.005	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	<0.2	<0.0005	<0.0001	<0.0004	<0.01
Trip Blank	7-Jul-2021	<0.0005	<0.00002	<0.00002	<0.005	<0.0002	<0.00002	<0.001	<0.004	<0.0001		<0.005	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	<0.2	<0.0005	<0.0001	<0.0004	<0.01
Trip Blank	22-Sep-2021	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001	<0.0002	<0.001	<0.00002														
Underdrain ?	11-Nov-2021	<0.00005	<0.000004	<0.00001	0.00034	<0.0002	0.0000029	0.00038	0.0017	<0.00002		0.0054	<1	<0.00005	<0.002	<0.00001	<0.00001	0.00534	0.0000054	18.8	0.00014	0.0000163	0.00056	<0.002
Underdrain A	25-Nov-2021	<0.00005	<0.000004	<0.00001	0.00045	<0.0002	0.0000018	0.00039	0.0087	0.000125		0.0165	<1	<0.00005	<0.002	<0.00001	<0.00001	0.00263	0.0000347	13.5	0.0002	0.0000215	0.00104	0.0039
Underdrain A	26-Nov-2021											0.012	<1	<0.00005	<0.002	<0.00001	<0.00001	0.00328	0.0000264	15.5	0.00021	0.0000152	0.00073	0.0024
Underdrain A	27-Nov-2021											0.014	<1	<0.00005	<0.002	<0.00001	<0.00001	0.00327	0.0000215	15.4	0.00019	0.0000134	0.00071	0.008
Underdrain A	28-Nov-2021											0.0206	<1	<0.00005	<0.002	<0.00001	<0.00001	0.00339	0.0000124	9.55	0.00016	0.0000138	0.00069	0.0042
UNDERDRAIN I	15-Oct-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.715	<0.0001	<0.00001	0.103	7.04	0.000081	0.0031	<0.00001	<0.00001	0.0138	0.00252	15.5	0.00016	0.000599	0.0807	0.0231
UNDERDRAIN I	11-Nov-2021	<0.00005	<0.000004	<0.00001	0.00051	<0.0002	0.0000023	0.00027	0.006	<0.00002		0.0112	<1	0.000061	<0.002	<0.00001	<0.00001	0.00755	0.0000408	16.9	0.00018	0.0000146	0.00123	0.0026
Underdrain K	28-Nov-2021											0.0109	<1	0.000055	<0.002	<0.00001	<0.00001	0.00541	0.000006	14.1	0.00013	0.000012	0.00052	0.0023

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
PW18-01	12-Jul-2021	<0.05	<0.0001	2.62	0.00118	<0.0001	0.00146	<0.0002	0.27		0.0009	4.2	0.0418	<0.0002	<0.00005	1.23	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-01	1-Aug-2021	<0.01	0.000066	2.24	0.00108	0.000015	0.00111	<0.00005	0.241	<0.00005	0.0002	3.55	0.0375	<0.00005	<0.00001	1.13	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000012
PW18-02	19-Jan-2021	<0.05	<0.0001	5.5	0.0685	<0.0001	0.00675	0.00062	0.38		<0.0005	6.6	0.0864	<0.0002	<0.00005	1.66	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-02	22-Apr-2021	<0.05	<0.0001	3.09	0.00623	<0.0001	0.00246	<0.0002	0.3		<0.0005	4.3	0.0463	<0.0002	<0.00005	1.33	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-02	4-May-2021	<0.05	0.00036	4.99	0.103	<0.0001	0.0042	<0.0002	0.3		<0.0005	5.6	0.0558	<0.0002	<0.00005	1.6	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-02	7-Jun-2021	0.058	0.0003	3.94	0.0889	<0.0001	0.00296	<0.0002	0.3		<0.0005	5.4	0.0489	<0.0002	<0.00005	1.4	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-02	12-Jul-2021	<0.05	<0.0001	2.54	0.00102	<0.0001	0.00135	<0.0002	0.24		<0.0005	3.8	0.0411	<0.0002	<0.00005	1.22	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-02	1-Aug-2021	<0.01	0.00007	2.21	0.000922	0.000014	0.000741	<0.00005	0.239	<0.00005	0.00022	3.63	0.037	<0.00005	<0.00001	1.11	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001
PW18-03	19-Jan-2021	<0.05	0.00014	5.4	0.0672	<0.0001	0.00524	0.0006	0.37		<0.0005	6.6	0.0831	<0.0002	<0.00005	1.65	<0.0002	<0.0005	0.00007	<0.0001	<0.005	<0.001	0.000184
PW18-03	22-Apr-2021	<0.05	<0.0001	3.07	0.00577	<0.0001	0.00176	0.00032	0.28		<0.0005	4.3	0.0455	<0.0002	<0.00005	1.31	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-03	4-May-2021	<0.05	0.00032	5.18	0.105	<0.0001	0.00419	<0.0002	0.32		<0.0005	5.9	0.0566	<0.0002	<0.00005	1.66	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-03	7-Jun-2021	0.067	0.00033	3.92	0.0898	<0.0001	0.00296	0.00022	0.31		<0.0005	5.6	0.0498	<0.0002	<0.00005	1.41	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-03	12-Jul-2021	<0.05	<0.0001	2.55	0.00121	<0.0001	0.00133	<0.0002	0.26		<0.0005	3.7	0.0409	<0.0002	<0.00005	1.22	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-03	1-Aug-2021	<0.01	0.000068	2.2	0.000852	0.000012	0.000756	<0.00005	0.233	<0.00005	0.00019	3.42	0.0368	<0.00005	<0.00001	1.11	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000001
PW18-04	19-Jan-2021	<0.05	<0.0001	5.62	0.0684	<0.0001	0.00566	0.00044	0.37		<0.0005	6.9	0.0862	<0.0002	<0.00005	1.67	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-04	22-Apr-2021	<0.05	<0.0001	2.99	0.00588	0.00019	0.00193	0.00062	0.37		<0.0005	4.2	0.0455	<0.0002	<0.00005	1.37	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-04	4-May-2021	<0.05	0.00033	5.31	0.107	<0.0001	0.0044	<0.0002	0.33		<0.0005	6.3	0.0583	<0.0002	<0.00005	1.7	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-04	7-Jun-2021	<0.05	0.00035	3.91	0.0895	<0.0001	0.00318	0.00022	0.29		<0.0005	5.7	0.0503	<0.0002	<0.00005	1.37	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-04	12-Jul-2021	<0.05	<0.0001	2.59	0.00126	<0.0001	0.0016	<0.0002	0.25		<0.0005	3.8	0.0423	<0.0002	<0.00005	1.23	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
PW18-04	1-Aug-2021	<0.01	0.000065	2.27	0.000886	0.000017	0.000912	<0.00005	0.247	<0.00005	0.00015	3.5	0.038	<0.00005	<0.00001	1.15	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	<0.000001
QUARRY	3-Mar-2021	<0.05	0.00182	0.683	0.00045	0.00049	<0.0004	<0.0002	0.12		<0.0005	2.2	0.0214	<0.0002	<0.00005	0.84	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
QUARRY	14-Apr-2021	<0.05	<0.0001	0.939	0.0003	0.00078	<0.0004	<0.0002	0.17	<0.0002	<0.0005	1.8	0.0343	<0.0002	<0.00005	1.29	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
QUARRY	7-Jul-2021	<0.05	0.00024	1.2	<0.0002	0.00229	<0.0004	0.00034	0.35	0.0002	<0.0005	2.6	0.0488	<0.0002	<0.00005	1.47	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
QUARRY	10-Nov-2021	<0.05	<0.0001	0.693	0.00057	0.0006	<0.0004	<0.0002	0.14	<0.0002	<0.0005	1.6	0.0293	<0.0002	<0.00005	0.89	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
REF JAR EXTIN	24-Nov-2021																						
REF JAR INTERNAL	24-Nov-2021																						
Road Seep Pond 4	2-Dec-2021	<0.01	0.000179	0.955	0.00344	0.00136	0.000173	0.00131	0.171	0.00044	0.00181	2.12	0.0394	<0.00005	<0.00001	0.875	0.000408	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000039
SEEP MYRA 2S	13-Jan-2021	<0.05	<0.0001	0.837	0.00258	0.00034	<0.0004	<0.0002	0.18	0.0004	<0.0005	1.8	0.0389	<0.0002	<0.00005	1.03	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Spill-Source	17-Sep-2021	<0.01	0.000159	1.56	0.107	0.000456	0.000542	0.00285	0.424	0.00586	0.00015	0.51	0.0456	<0.00005	<0.00001	1.16	0.000459	<0.00005	<0.000004	<0.00001	0.00285	<0.0002	0.0000062
Surgepond	11-Aug-2021	0.033	0.00312	1.2	0.00121	0.0307	0.000111	0.00154	19.7	0.0216	0.00964	2.83	0.34	<0.00005	0.000152	35.4	0.0198	0.000594	0.0000187	<0.00001	<0.0002	0.00387	0.0000222
TD 13-05 D	30-Jun-2021	<0.05	0.00192	8.98	1.27	<0.0001	0.0125	0.00547	1.76		<0.0005	7.3	0.091	0.0156	<0.00005	6.25	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	0.00017
TD-13-02 D	8-Jun-2021	<0.05	0.0017	70	9.66	<0.0001	0.0682	0.00168	1.3		<0.0005	16.5	0.414	<0.0002	<0.00005	5.88	<0.0002	<0.0005	0.000024	<0.0001	<0.005	<0.001	0.000296
TD13-02D	4-Dec-2021	<0.01	0.00186	73.2	12.5	0.000304	0.104	0.00163	2.47		0.00017	18	0.346	0.00008	<0.00001	7.44	<0.00005	0.000067	0.000022	0.000011	<0.0002	<0.0002	0.000459
TD13-02S	4-Dec-2021	0.058	0.00417	4.53	0.268	0.0711	0.0034	0.000919	19.5		<0.0001	3	0.343	0.000058	<0.00001	37.2	0.000683	0.000408	<0.000004	<0.00001	0.00165	0.00249	0.0000086
Tennant Raw	24-Aug-2021																						
Tray	24-Nov-2021																						
Trip Blank	12-May-2021	<0.05	<0.0001	<0.01	<0.0002	<0.0001	<0.0004	<0.0002	<0.1	0.00026	<0.0005	<1	<0.001	<0.0002	<0.00005	<0.1	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Trip Blank	26-May-2021	<0.05	<0.0001	<0.01	<0.0002	<0.0001	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	<1	<0.001	<0.0002	<0.00005	<0.1	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Trip Blank	2-Jun-2021	<0.05	<0.0001	<0.01	<0.0002	<0.0001	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	<1	<0.001	<0.0002	<0.00005	<0.1	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Trip Blank	7-Jul-2021	<0.05	<0.0001	<0.01	<0.0002	<0.0001	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	<1	<0.001	<0.0002	<0.00005	<0.1	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Trip Blank	22-Sep-2021									<0.00005													
Underdrain ?	11-Nov-2021	<0.01	<0.00005	0.699	0.000189	0.000108	0.000041	<0.00005	0.063	<0.00005	<0.0001	1.78	0.0169	<0.00005	<0.00001	0.875	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000053
Underdrain A	25-Nov-2021	<0.01	0.000071	0.601	0.000607	0.000046	<0.00004	0.000218	0.07	0.000193	<0.0001	1.69	0.0136	<0.00005	<0.00001	0.707	<0.00005	0.000068	<0.000004	<0.00001	<0.0002	<0.0002	0.0000013
Underdrain A	26-Nov-2021	<0.01	0.000071	0.674	0.000377	0.000042	0.000121	0.000187	0.074		<0.0001	1.76	0.0163	<0.00005	<0.00001	0.744	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000015
Underdrain A	27-Nov-2021	<0.01	0.000109	0.658	0.000298	0.00005	<0.00004	0.000139	0.075		<0.0001	1.83	0.015	<0.00005	<0.00001	0.737	<0.00005	0.000053	<0.000004	<0.00001	<0.0002	<0.0002	0.0000014
Underdrain A	28-Nov-2021	<0.01	0.000097	0.416	0.000326	0.000035	<0.00004	0.000101	0.063		<0.0001	1.25	0.01	<0.00005	<0.00001	0.6	<0.00005	0.000062	<0.000004	<0.00001	<0.0002	<0.0002	0.000001
UNDERDRAIN I	15-Oct-2021	<0.01	0.000159	0.865	0.029	0.000036	0.000991	0.00155	0.09	<0.0002	<0.0001	2.07	0.0149	<0.00005	<0.00001	0.632	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.000004
UNDERDRAIN I	11-Nov-2021	<0.01	<0.00005	0.724	0.000467	0.000067	<0.00004	0.000177	0.072	<0.00005	<0.0001	1.89	0.0152	<0.00005	<0.00001	0.754	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000048
Underdrain K	28-Nov-2021	<0.01	<0.00005	0.513	0.000211	0.000113	<0.00004	0.000072	0.067		<0.0001	1.56	0.0133	<0.00005	<0.00001	0.681	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000014

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
PW18-01	12-Jul-2021	<0.001	0.677	<0.0001					
PW18-01	1-Aug-2021	0.00024	0.497	<0.00002					
PW18-02	19-Jan-2021	0.0012	3.05	<0.0001					
PW18-02	22-Apr-2021	0.0016	0.999	<0.0001					
PW18-02	4-May-2021	<0.001	2.17	<0.0001					
PW18-02	7-Jun-2021	<0.001	1.74	<0.0001					
PW18-02	12-Jul-2021	<0.001	0.655	<0.0001					
PW18-02	1-Aug-2021	0.00023	0.488	<0.00002					
PW18-03	19-Jan-2021	0.001	2.97	<0.0001					
PW18-03	22-Apr-2021	0.0016	0.977	<0.0001					
PW18-03	4-May-2021	<0.001	2.24	<0.0001					
PW18-03	7-Jun-2021	<0.001	1.77	<0.0001					
PW18-03	12-Jul-2021	<0.001	0.653	<0.0001					
PW18-03	1-Aug-2021	0.00029	0.489	<0.00002					
PW18-04	19-Jan-2021	0.0011	3.07	<0.0001					
PW18-04	22-Apr-2021	0.0016	0.987	<0.0001					
PW18-04	4-May-2021	<0.001	2.25	<0.0001					
PW18-04	7-Jun-2021	0.001	1.74	<0.0001					
PW18-04	12-Jul-2021	<0.001	0.683	<0.0001					
PW18-04	1-Aug-2021	0.00032	0.506	<0.00002					
QUARRY	3-Mar-2021	<0.001	<0.004	<0.0001					
QUARRY	14-Apr-2021	<0.001	<0.004	<0.0001	<0.00001				
QUARRY	7-Jul-2021	<0.001	0.0041	<0.0001	<0.00001				
QUARRY	10-Nov-2021	<0.001	0.0064	<0.0001	<0.00001				
REF JAR EXTIN	24-Nov-2021								
REF JAR INTERNAL	24-Nov-2021								
Road Seep Pond 4	2-Dec-2021	<0.0002	0.247	<0.00002					
SEEP MYRA 2S	13-Jan-2021	<0.001	0.027	<0.0001					
Spill-Source	17-Sep-2021	<0.0002	0.026	0.000117					
Surgepond	11-Aug-2021	0.00105	0.006	<0.00002					
TD 13-05 D	30-Jun-2021	<0.001	4.5	<0.0001					
TD-13-02 D	8-Jun-2021	<0.001	33.7	<0.0001					
TD13-02D	4-Dec-2021	<0.0002	46.6	0.000122					
TD13-02S	4-Dec-2021	0.00021	1.29	0.000026					
Tennant Raw	24-Aug-2021								
Tray	24-Nov-2021								
Trip Blank	12-May-2021	<0.001	<0.004	<0.0001					
Trip Blank	26-May-2021	<0.001	<0.004	<0.0001					
Trip Blank	2-Jun-2021	<0.001	<0.004	<0.0001					
Trip Blank	7-Jul-2021	<0.001	<0.004	<0.0001					
Trip Blank	22-Sep-2021								
Underdrain ?	11-Nov-2021	0.00032	0.0013	<0.00002					
Underdrain A	25-Nov-2021	0.00032	0.0084	<0.00002					
Underdrain A	26-Nov-2021	0.00033	0.0086	<0.00002					
Underdrain A	27-Nov-2021	0.00033	0.0044	<0.00002					
Underdrain A	28-Nov-2021	0.00032	0.003	<0.00002					
UNDERDRAIN I	15-Oct-2021	<0.0002	0.625	0.000041	<0.00001				
UNDERDRAIN I	11-Nov-2021	0.00021	0.0078	<0.00002					
Underdrain K	28-Nov-2021	0.00029	0.0014	<0.00002					

Work Order	Lab ID	Re-anaysis	Field QAQC	Station (Lab Report)	Station (Monitoring Plan)	Date	pH	Conductivity	Hardness, Total (as $CaCO_3$)	Hardness, Dissolved (as $CaCO_3$)	Turbidity	Total Suspended Solids	Acidity, pH 8.3 (as $CaCO_3$)	Alkalinity, Total pH 4.5 (as $CaCO_3$)	Alkalinity, Total pH 8.3 (as $CaCO_3$)	Alkalinity, Bicarbonate (as $CaCO_3$)
							pH Unit	uS/cm	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L
21L0605	5	No	Regular	Underdrain N	Underdrain N	26-Nov-2021	7.69	104				<2		60.6	<1	60.6
21L0605	6	No	Regular	Underdrain N	Underdrain N	27-Nov-2021	7.68	102				<2		57.7	<1	57.7
21L0605	7	No	Regular	Underdrain N	Underdrain N	28-Nov-2021	7.67	89				<2		50.2	<1	50.2
21C1194	9	No	Regular	Webster Creek Culvert	Webster Creek Culvert	3-Mar-2021	7.07	139	63.4				4.7	34.6	<1	34.6
21D1862	9	No	Regular	Webster Creek Culvert	Webster Creek Culvert	14-Apr-2021		139	58.1				4.8	42.9	<1	42.9
21G0905	9	No	Regular	Webster Creek Culvert	Webster Creek Culvert	7-Jul-2021		68.9					<2	28.5	<1	28.5
21K1970	9	No	Regular	Webster Creek Culvert	Webster Creek Culvert	10-Nov-2021		148				2.8	4.1	27.3	<1	27.3
21G0905	13	No	Regular	Webster Creek Culvert UPSTREAM	Webster Creek Culvert UPS	7-Jul-2021		47.9					<2	27.8	<1	27.8
21K1970	15	No	Regular	Webster Creek Culvert UPSTREAM	Webster Creek Culvert UPS	10-Nov-2021		53.9				<2	<2	28.8	<1	28.8
21K3343	10	No	Regular	WRAP 1	WRAP 1	24-Nov-2021										
21K3343	11	No	Regular	WRAP 2	WRAP 2	24-Nov-2021										

Station (Monitoring Plan)	Date	Alkalinity, Carbonate (as $CaCO_3$)	Alkalinity, Hydroxide (as $CaCO_3$)	Chloride	Fluoride	Sulphate	Total Nitrogen	Nitrate+ Nitrite	Nitrate (as N)	Nitrite (as N)	Ammonia (as N)	Total Phosphorus	Total Dissolved Phosphorus	TOC	DOC	Al-t	S-t	As-t	B-t	Ba-t
		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
Underdrain N	26-Nov-2021	<1	<1			1.5	<0.05	<0.005				0.0122								
Underdrain N	27-Nov-2021	<1	<1			1.5	<0.05	<0.005				0.0131								
Underdrain N	28-Nov-2021	<1	<1			1.4	<0.05	<0.005				0.0125								
Webster Creek Culvert	3-Mar-2021	<1	<1	1.72		31.4		0.194	0.194	<0.01	<0.05									
Webster Creek Culvert	14-Apr-2021	<1	<1	0.8		29.9		0.174	0.174	<0.01	<0.05					0.0202	9.4	<0.0005	<0.05	0.0561
Webster Creek Culvert	7-Jul-2021	<1	<1	0.51		<1		0.0574	0.057	<0.01	<0.05					0.023	<3	<0.0005	<0.05	0.0118
Webster Creek Culvert	10-Nov-2021	<1	<1	0.76		42.9		0.18	0.18	<0.01	<0.05	0.0071	0.0061			0.0668	19.1	<0.0005	<0.05	0.0197
Webster Creek Culvert UPS	7-Jul-2021	<1	<1	0.5		<1		0.063	0.063	<0.01	<0.05					0.0202	<3	<0.0005	<0.05	<0.005
Webster Creek Culvert UPS	10-Nov-2021	<1	<1	0.71		1		0.126	0.126	<0.01	<0.05	0.0072	0.0068			0.0222	<3	<0.0005	<0.05	<0.005
WRAP 1	24-Nov-2021																			
WRAP 2	24-Nov-2021																			

Station (Monitoring Plan)	Date	Be-t	Bi-t	Cd-t	Ca-t	Cr-t	Co-t	Cu-t	Fe-t	P-t	Li-t	Mg-t	Mn-t	Mo-t	Ni-t	Pb-t	K-t	Se-t	Sn-t	Si-t	Ag-t	Na-t	Sr-t
		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
Underdrain N	26-Nov-2021																						
Underdrain N	27-Nov-2021																						
Underdrain N	28-Nov-2021																						
Webster Creek Culvert	3-Mar-2021																						
Webster Creek Culvert	14-Apr-2021	<0.0001	<0.0001	0.00414	21.6	<0.0005	<0.0001	0.0311	0.012	<0.05	0.0002	1.42	0.00476	0.00019	0.0009	0.00095	<0.1	<0.0005	<0.0002	1.5	<0.00005	0.95	0.03
Webster Creek Culvert	7-Jul-2021	<0.0001	<0.0001	0.000026	8.92	<0.0005	<0.0001	0.0009	0.015	<0.05	<0.0001	0.25	0.00126	0.00015	0.00052	0.00051	<0.1	<0.0005	<0.0002	1.2	<0.00005	0.55	0.0108
Webster Creek Culvert	10-Nov-2021	<0.0001	<0.0001	0.00838	25.5	<0.0005	0.00058	0.0795	0.014	<0.05	0.00031	1.98	0.058	0.00017	0.0016	0.00189	0.14	<0.0005	<0.0002	1.9	<0.00005	0.97	0.041
Webster Creek Culvert UPS	7-Jul-2021	<0.0001	<0.0001	<0.00001	8.96	<0.0005	<0.0001	0.00051	0.011	<0.05	<0.0001	0.303	0.00102	0.00011	0.00069	<0.0002	<0.1	<0.0005	<0.0002	1.6	<0.00005	0.65	0.0114
Webster Creek Culvert UPS	10-Nov-2021	<0.0001	<0.0001	0.000012	10.4	<0.0005	<0.0001	0.00085	0.014	<0.05	<0.0001	0.292	0.00053	0.00015	<0.0004	<0.0002	<0.1	<0.0005	<0.0002	1.5	<0.00005	0.68	0.0108
WRAP 1	24-Nov-2021																						
WRAP 2	24-Nov-2021																						

Station (Monitoring Plan)	Date	Te-t	Tl-t	Th-t	Ti-t	W-t	U-t	V-t	Zn-t	Zr-t	Hg-t	Al-d	S-d	As-d	B-d	Be-d	Bi-d	Ba-d	Cd-d	Ca-d	Cr-d	Co-d	Cu-d	Fe-d
		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
Underdrain N	26-Nov-2021											0.0079	<1	0.000099	<0.002	<0.00001	<0.00001	0.00419	0.0000094	18.2	0.00013	0.0000174	0.00061	0.0026
Underdrain N	27-Nov-2021											0.009	<1	0.000074	<0.002	<0.00001	<0.00001	0.00453	0.0000087	17.5	0.00014	0.0000149	0.00067	0.0058
Underdrain N	28-Nov-2021											0.0088	<1	0.000053	<0.002	<0.00001	<0.00001	0.00446	0.000006	15.8	0.00017	0.0000168	0.00056	<0.002
Webster Creek Culvert	3-Mar-2021											0.0129	14.1	<0.0005	<0.05	<0.0001	<0.0001	0.055	0.00362	23	<0.0005	<0.0001	0.0332	<0.01
Webster Creek Culvert	14-Apr-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	1.21	<0.0001	<0.00001	0.0068	9.8	<0.0005	<0.05	<0.0001	<0.0001	0.0543	0.00408	21	<0.0005	0.0001	0.0285	<0.01
Webster Creek Culvert	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0089	<0.0001	<0.00001	0.0135	<3	<0.0005	<0.05	<0.0001	<0.0001	0.0104	0.000035	8.05	<0.0005	<0.0001	0.00069	<0.01
Webster Creek Culvert	10-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	2.05	<0.0001	<0.00001	0.0384	13.8	<0.0005	<0.05	<0.0001	<0.0001	0.0185	0.00777	23.4	<0.0005	0.00062	0.0651	<0.01
Webster Creek Culvert UP	7-Jul-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	0.0042	<0.0001	<0.00001	0.0161	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	9.21	<0.0005	<0.0001	<0.0004	<0.01
Webster Creek Culvert UP	10-Nov-2021	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002	<0.001	<0.004	<0.0001	<0.00001	0.0217	<3	<0.0005	<0.05	<0.0001	<0.0001	<0.005	<0.00001	10.2	<0.0005	<0.0001	0.00074	0.012
WRAP 1	24-Nov-2021																							
WRAP 2	24-Nov-2021																							

Station (Monitoring Plan)	Date	P-d	Li-d	Mg-d	Mn-d	Mo-d	Ni-d	Pb-d	K-d	Sb-t	Se-d	Si-d	Sr-d	Sn-d	Ag-d	Na-d	Sb-d	Te-d	Tl-d	Th-d	Ti-d	W-d	U-d
		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
Underdrain N	26-Nov-2021	<0.01	<0.00005	0.72	0.000318	0.000145	0.000242	0.000065	0.064		<0.0001	1.86	0.0182	<0.00005	<0.00001	0.91	<0.00005	0.000053	<0.000004	<0.00001	<0.0002	<0.0002	0.0000041
Underdrain N	27-Nov-2021	<0.01	<0.00005	0.673	0.000301	0.000133	0.000044	0.00036	0.061		<0.0001	1.79	0.0174	<0.00005	<0.00001	0.846	<0.00005	0.000051	<0.000004	<0.00001	<0.0002	<0.0002	0.0000023
Underdrain N	28-Nov-2021	<0.01	<0.00005	0.614	0.000137	0.000128	<0.00004	0.000077	0.064		<0.0001	1.75	0.0157	<0.00005	<0.00001	0.812	<0.00005	<0.00005	<0.000004	<0.00001	<0.0002	<0.0002	0.0000019
Webster Creek Culvert	3-Mar-2021	<0.05	0.00164	1.43	0.00899	0.00016	0.00094	0.00058	0.13		<0.0005	2.2	0.0308	<0.0002	<0.00005	1.66	0.00025	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Webster Creek Culvert	14-Apr-2021	<0.05	0.00024	1.38	0.00441	0.00017	0.0012	0.00078	0.1	0.00025	<0.0005	1.4	0.0318	<0.0002	<0.00005	0.98	0.00025	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Webster Creek Culvert	7-Jul-2021	<0.05	0.00013	0.26	0.00033	<0.0001	<0.0004	0.00025	<0.1	<0.0002	<0.0005	1.3	0.0105	<0.0002	<0.00005	0.58	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Webster Creek Culvert	10-Nov-2021	<0.05	0.00029	1.89	0.0655	0.00014	0.00151	0.00142	0.15	<0.0002	<0.0005	1.7	0.0405	<0.0002	<0.00005	0.99	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Webster Creek Culvert UP	7-Jul-2021	<0.05	0.00012	0.314	0.00027	0.00012	<0.0004	<0.0002	0.1	<0.0002	<0.0005	1.3	0.011	<0.0002	<0.00005	0.66	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
Webster Creek Culvert UP	10-Nov-2021	<0.05	<0.0001	0.281	<0.0002	0.0001	<0.0004	<0.0002	<0.1	<0.0002	<0.0005	1.5	0.0106	<0.0002	<0.00005	0.67	<0.0002	<0.0005	<0.00002	<0.0001	<0.005	<0.001	<0.00002
WRAP 1	24-Nov-2021																						
WRAP 2	24-Nov-2021																						

Station (Monitoring Plan)	Date	V-d	Zn-d	Zr-d	Hg-d	Silica Reactive	Radium 226	Chlorophyll a	BOD5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Underdrain N	26-Nov-2021	0.00039	0.0027	<0.00002					
Underdrain N	27-Nov-2021	0.00039	0.002	<0.00002					
Underdrain N	28-Nov-2021	0.00032	0.0013	<0.00002					
Webster Creek Culvert	3-Mar-2021	<0.001	1.03	<0.0001					
Webster Creek Culvert	14-Apr-2021	<0.001	1.19	<0.0001	<0.00001				
Webster Creek Culvert	7-Jul-2021	<0.001	0.0079	<0.0001	<0.00001				
Webster Creek Culvert	10-Nov-2021	<0.001	1.84	<0.0001	<0.00001				
Webster Creek Culvert UP	7-Jul-2021	<0.001	0.0042	<0.0001	<0.00001				
Webster Creek Culvert UP	10-Nov-2021	<0.001	<0.004	<0.0001	<0.00001				
WRAP 1	24-Nov-2021								
WRAP 2	24-Nov-2021								

Appendix F.

Equipment and Field Blanks, 2021

Station (Monitoring Plan)	Site	Date	Hardness, Total (as $CaCO_3$)	Ag.d	Ag.t	Al.d	Al.t	As.d	As.t	B.d	B.t	Ba.d	Ba.t	Be.d	Be.t
			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
Daily Lab Blank	Daily Lab Blank	6-Jul-2021	<0.100		<0.00001		<0.002		<0.00005		<0.0001			<0.00001	
Trip Blank	Trip Blank	12-May-2021	<0.5	<0.00005	<0.00005	0.006	<0.005	<0.0005	<0.0005	<0.05	<0.05	<0.005	<0.005	<0.0001	<0.0001
Trip Blank	Trip Blank	26-May-2021	<0.5	<0.00005	<0.00005	<0.005	<0.005	<0.0005	<0.0005	<0.05	<0.05	<0.005	<0.005	<0.0001	<0.0001
Trip Blank	Trip Blank	2-Jun-2021	<0.5	<0.00005	<0.00005	<0.005	<0.005	<0.0005	<0.0005	<0.05	<0.05	<0.005	<0.005	<0.0001	<0.0001
Trip Blank	Trip Blank	7-Jul-2021	<0.5	<0.00005	<0.00005	<0.005	<0.005	<0.0005	<0.0005	<0.05	<0.01	<0.005	<0.005	<0.0001	<0.0001
Trip Blank	Trip Blank	22-Sep-2021	<0.1		<0.00001		<0.002		<0.00005		<0.002		<0.0001		<0.00001
MP-EFF	Equipment Blank	22-Jun-2021	0.774	<0.00001	<0.00001	0.0011	0.0055	<0.00005	<0.00005	0.00049	0.00226	<0.002	<0.00001	<0.00001	<0.00001
MC-TP4	Field Blank	10-Aug-2021	0.107	<0.00001	<0.00001	<0.001	<0.002	<0.00005	<0.00005	0.00036	0.00043	<0.002	<0.00001	<0.00001	<0.00001
MC-TP4	Bottle Blank	11-Oct-2021	<0.100	<0.00001	<0.00001	<0.001	<0.002	<0.00005	<0.00005	<0.0001	<0.0001	<0.002	<0.00001	<0.00001	<0.00001

Site	Date	Bi.d	Bi.t	Ca.d	Ca.t	Cd.d	Cd.t	Co.d	Co.t	Cr.d	Cr.t	Cu.d	Cu.t	Fe.d	Fe.t
		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
Daily Lab Blank	6-Jul-2021	<0.00001	<0.002		<0.04		<0.000002		<0.000005		<0.0001		<0.0002		<0.002
Trip Blank	12-May-2021	<0.0001	<0.0001	<0.2	<0.2	<0.00001	<0.00001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0004	<0.0004	<0.01	<0.01
Trip Blank	26-May-2021	<0.0001	<0.0001	<0.2	<0.2	<0.00001	<0.00001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0004	<0.0004	<0.01	<0.01
Trip Blank	2-Jun-2021	<0.0001	<0.0001	<0.2	<0.2	<0.00001	<0.00001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0004	<0.0004	<0.01	<0.01
Trip Blank	7-Jul-2021	<0.0001	<0.0001	<0.2	<0.2	<0.00001	<0.00001	<0.0001	<0.00005	<0.0005	<0.0005	<0.0004	<0.0004	<0.01	<0.01
Trip Blank	22-Sep-2021		<0.00001		<0.04		<0.000002		<0.000005		<0.0001		<0.0002		<0.002
Equipment Blank	22-Jun-2021	<0.00001	<0.002	0.27	<0.04	<0.000002	<0.000002	<0.000005	<0.000005	<0.0001	0.00012	0.0003	0.00041	<0.002	0.0061
Field Blank	10-Aug-2021	<0.00001	<0.002	0.043	<0.04	0.0000147	0.0000125	0.0000537	0.0000567	0.00016	0.00015	0.00047	0.00052	<0.002	<0.002
Bottle Blank	11-Oct-2021	<0.00001	<0.002	<0.04	<0.04	<0.000002	0.000002	<0.000005	<0.000005	0.00017	0.00027	<0.0001	<0.0002	<0.002	<0.002

Site	Date	K.d	K.t	Li.d	Li.t	Mg.d	Mg.t	Mn.d	Mn.t	Mo.d	Mo.t	Na.d	Na.t	Ni.d	Ni.t
		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
Daily Lab Blank	6-Jul-2021		<0.01		<0.00005		<0.005		<0.00005		0.000013		<0.02		<0.00004
Trip Blank	12-May-2021	<0.1	<0.1	<0.0001	<0.0001	<0.01	<0.01	<0.0002	<0.0002	<0.0001	0.00054	<0.1	<0.1	<0.0004	<0.0004
Trip Blank	26-May-2021	<0.1	<0.1	<0.0001	<0.0001	<0.01	<0.01	<0.0002	<0.0002	<0.0001	<0.0001	<0.1	<0.1	<0.0004	<0.0004
Trip Blank	2-Jun-2021	<0.1	<0.1	<0.0001	<0.0001	<0.01	<0.01	<0.0002	<0.0002	<0.0001	<0.0001	<0.1	<0.1	<0.0004	<0.0004
Trip Blank	7-Jul-2021	<0.1	<0.02	<0.0001	<0.0001	<0.01	<0.01	<0.0002	<0.0002	<0.0001	<0.0001	<0.1	<0.02	<0.0004	<0.0004
Trip Blank	22-Sep-2021		<0.01		<0.00005		<0.005		<0.00005		<0.00001		<0.02		<0.00004
Equipment Blank	22-Jun-2021	<0.01	<0.01	<0.00005	<0.00005	0.0242	<0.005	0.000154	0.00015	0.000023	<0.00001	0.092	<0.02	<0.00004	<0.00004
Field Blank	10-Aug-2021	<0.01	<0.01	<0.00005	<0.00005	<0.005	<0.005	0.0135	0.014	<0.00001	<0.00001	<0.02	<0.02	0.00005	<0.00004
Bottle Blank	11-Oct-2021	<0.01	<0.01	<0.00005	<0.00005	<0.005	<0.005	0.000635	0.000812	<0.00001	<0.00001	<0.02	<0.02	<0.00004	0.000169

Site	Date	Pb.d	Pb.t	P.d	P.t	Sb.d	Sb.t	S.d	S.t	Se.d	Se.t	Si.d	Si.t	Sn.d	Sn.t
		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
Daily Lab Blank	6-Jul-2021		<0.00005		<0.01		<0.00005		1		<0.0001		<0.1		<0.00005
Trip Blank	12-May-2021	<0.0002	<0.0002	<0.05	<0.05	<0.0002	0.00026	<3	<3	<0.0005	<0.0005	<1	<1	<0.0002	<0.0002
Trip Blank	26-May-2021	<0.0002	<0.0002	<0.05	<0.05	<0.0002	<0.0002	<3	<3	<0.0005	<0.0005	<1	<1	<0.0002	<0.0002
Trip Blank	2-Jun-2021	<0.0002	<0.0002	<0.05	<0.05	<0.0002	<0.0002	<3	<3	<0.0005	<0.0005	<1	<1	<0.0002	<0.0002
Trip Blank	7-Jul-2021	<0.0002	<0.0002	<0.05	<0.05	<0.0002	<0.0002	<3	<0.6	<0.0005	<0.0005	<1	<0.5	<0.0002	<0.00004
Trip Blank	22-Sep-2021		<0.00005		<0.01		<0.00005		<1		<0.0001		<0.1		<0.00005
Equipment Blank	22-Jun-2021	<0.00005	0.000324	<0.01	<0.01	<0.00005	<0.00005	1	1	<0.0001	<0.0001	<0.1	<0.1	<0.00005	<0.00005
Field Blank	10-Aug-2021	<0.00005	<0.00005	<0.01	<0.01	<0.00005	<0.00005	1	1	<0.0001	<0.0001	<0.1	<0.1	<0.00005	<0.00005
Bottle Blank	11-Oct-2021	<0.00005	<0.00005	<0.01	<0.01	<0.00005	<0.00005	1	1	<0.0001	<0.0001	<0.1	<0.1	<0.00005	<0.00005

Site	Date	Sr.d	Sr.t	Te.d	Te.t	Th.d	Th.t	Ti.d	Ti.t	Tl.d	Tl.t	U.d	U.t	V.d	V.t
		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
Daily Lab Blank	6-Jul-2021		<0.0001		<0.00005		<0.00001		<0.0002		<0.000004		<0.000001		<0.0002
Trip Blank	12-May-2021	<0.001	<0.001	<0.0005	<0.0005	<0.0001	<0.0001	<0.005	<0.005	<0.00002	<0.00002	<0.00002	<0.00002	<0.001	<0.001
Trip Blank	26-May-2021	<0.001	<0.001	<0.0005	<0.0005	<0.0001	<0.0001	<0.005	<0.005	<0.00002	<0.00002	<0.00002	<0.00002	<0.001	<0.001
Trip Blank	2-Jun-2021	<0.001	<0.001	<0.0005	<0.0005	<0.0001	<0.0001	<0.005	<0.005	<0.00002	<0.00002	<0.00002	<0.00002	<0.001	<0.001
Trip Blank	7-Jul-2021	<0.001	0.001	<0.0005	<0.0005	<0.0001	<0.00002	<0.005	<0.005	<0.00002	<0.00002	<0.00002	<0.00002	<0.001	<0.001
Trip Blank	22-Sep-2021		<0.0001		<0.00005		<0.00001		<0.0002		<0.000004		<0.000001		<0.0002
Equipment Blank	22-Jun-2021	0.00103	<0.0001	<0.00005	<0.00005	<0.00001	<0.00001	<0.0002	<0.0002	<0.000004	<0.000004	<0.000001	<0.000001	<0.0002	<0.0002
Field Blank	10-Aug-2021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00001	<0.00001	<0.0002	<0.0002	<0.000004	<0.000004	<0.000001	<0.000001	<0.0002	<0.0002
Bottle Blank	11-Oct-2021	<0.0001	<0.0001	<0.00005	<0.00005	<0.00001	<0.00001	<0.0002	<0.0002	<0.000004	<0.000004	<0.000001	<0.000001	<0.0002	<0.0002

Site	Date	W.d	W.t	Zn.d	Zn.t	Zr.d	Zr.t
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Daily Lab Blank	6-Jul-2021		<0.0002		<0.001		<0.00002
Trip Blank	12-May-2021	<0.001	<0.001	<0.004	<0.004	<0.0001	<0.0001
Trip Blank	26-May-2021	<0.001	<0.001	<0.004	<0.004	<0.0001	<0.0001
Trip Blank	2-Jun-2021	<0.001	<0.001	<0.004	<0.004	<0.0001	<0.0001
Trip Blank	7-Jul-2021	<0.001	<0.0002	<0.004	<0.004	<0.0001	<0.0001
Trip Blank	22-Sep-2021		<0.0002		<0.001		<0.00002
Equipment Blank	22-Jun-2021	<0.0002	<0.0002	0.0019	<0.001	<0.00002	<0.00002
Field Blank	10-Aug-2021	<0.0002	<0.0002	0.0096	0.009	<0.00002	<0.00002
Bottle Blank	11-Oct-2021	<0.0002	<0.0002	0.001	0.0011	<0.00002	<0.00002

Appendix G.

Relative Percent Difference (RPD) Values for Duplicate Samples

Parameter	Unit	7-ARNICA 07-Jul-21			BL-GOLD 10-Aug-21			CRAB UPPER 10-Nov-21			HENSHAW-0 20-Oct-21			KARS-0 21-Apr-21			KARS-0 10-Jun-21		
		Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%
pH	pH Unit	-	-	-	7.36	7.47	1.48	-	-	-	7.31	7.36	0.68	7.30	7.29	0.14	7.63	7.62	0.13
Conductivity	uS/cm	94.6	94.6	0.00	53.4	53	0.75	67.5	68	0.74	57.3	57.4	0.17	63	60.7	3.72	60	71.8	17.91
Hardness-t	mg/L	44.3	43.1	2.75	23.4	23	1.72	32.9	33.6	2.11	25.3	25.4	0.39	25.8	26.3	1.92	27.9	28.8	3.17
Turbidity	NTU	-	-	-	-	-	-	-	-	-	0.61	0.29	-	0.2	0.21	-	0.42	0.32	-
TSS	mg/L	-	-	-	-	-	-	3.6	<2	-	2.4	<2	-	<2	<2	-	<2	<7.1	-
Alkalinity.Bicarbonate	mg/L	55.2	54.5	1.28	26.2	26.7	1.89	36.4	36.5	0.27	26.6	26.7	0.38	29.9	29.1	2.71	29.5	30.1	2.01
Alkalinity.Carbonate	mg/L	<1	<1	-	<1	<1	-	<1	<1	-	<1	<1	-	<1	<1	-	<1	<1	-
Alkalinity.Hydroxide	mg/L	<1	<1	-	<1	<1	-	<1	<1	-	<1	<1	-	<1	<1	-	<1	<1	-
Alkalinity-t.4.5	mg/L	55.2	54.5	1.28	26.2	26.7	1.89	36.4	36.5	0.27	26.6	26.7	0.38	29.9	29.1	2.71	29.5	30.1	2.01
Chloride	mg/L	0.5	0.52	-	0.6	0.59	1.68	1.32	1.31	0.76	-	-	-	-	-	-	-	-	-
Fluoride	mg/L	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulphate	mg/L	1.9	1.9	-	2.7	2.7	-	<1	<1	-	4.7	4.8	-	3.9	3.9	-	4.2	3.5	-
Total.Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate.Nitrite	mg/L	<0.02	<0.02	-	-	-	-	<0.02	<0.02	-	0.0578	0.0315	-	0.0311	0.0286	-	0.0258	0.0311	-
Nitrate	mg/L	<0.01	<0.01	-	-	-	-	<0.01	<0.01	-	0.058	0.032	-	0.031	0.029	-	0.026	0.031	-
Nitrite	mg/L	<0.01	<0.01	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-
Ammonia.Un-Ionized (asN)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total.Phosphorus	mg/L	-	-	-	-	-	-	0.0128	0.0117	8.98	<0.005	<0.005	-	0.009	0.0095	-	0.007	0.0059	-
Al-t	mg/L	0.021	0.02	-	0.0417	0.0393	5.93	0.324	0.0275	168.71	0.104	0.0276	116.11	0.0135	0.0125	-	0.0202	0.0179	-
Sb-t	mg/L	<0.0002	<0.0002	-	0.00036	0.00033	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	0.000054	0.00006	-	0.000178	0.000106	-
As-t	mg/L	<0.0005	<0.0005	-	<0.0005	<0.0005	-	0.00126	<0.0005	-	<0.0005	<0.0005	-	0.000166	0.000177	-	0.000179	0.000166	-
Ba-t	mg/L	0.0071	0.007	-	0.008	0.0086	-	0.0055	<0.005	-	0.0062	0.0063	-	0.00518	0.0051	-	0.00592	0.00476	-
Be-t	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-
Bi-t	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-
B-t	mg/L	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	0.0171	0.0064	-	0.0048	0.0036	-
Cd-t	mg/L	0.000072	0.000086	17.72	0.000053	0.00004	-	0.000012	<0.00001	-	0.000029	0.000032	-	0.0000214	0.0000202	-	0.0000204	0.000022	-
Ca-t	mg/L	18.3	18.6	1.63	8.48	8.68	2.33	12	12.7	5.67	9.08	9.35	2.93	8.77	8.97	2.25	9.59	9.91	3.28
Cr-t	mg/L	<0.0005	<0.0005	-	<0.0005	<0.0005	-	0.00053	<0.0005	-	<0.0005	<0.0005	-	0.00018	0.00018	-	0.00021	0.00018	-
Co-t	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	0.00021	<0.0001	-	<0.0001	<0.0001	-	0.0000137	0.0000111	-	0.0000168	0.000015	-
Cu-t	mg/L	0.00159	0.00144	-	0.00266	0.0022	18.93	0.0007	0.00045	-	0.00135	0.00092	-	0.00078	0.00072	-	0.00083	0.00094	-
Fe-t	mg/L	<0.01	<0.01	-	0.044	0.046	-	0.407	<0.01	-	0.015	0.017	-	0.0085	0.0046	-	0.0148	0.0085	-
Pb-t	mg/L	0.00037	0.00042	-	0.001	0.00126	-	0.00026	<0.0002	-	0.00039	0.00066	-	0.000122	0.000128	-	0.00384	0.000135	-
Li-t	mg/L	<0.0001	<0.0001	-	0.00024	0.00018	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00005	<0.00005	-	0.000067	0.000084	-
Mg-t	mg/L	0.804	0.78	3.03	0.957	0.909	5.14	0.729	0.438	49.87	0.757	0.768	1.44	0.936	0.936	0.00	0.95	0.981	3.21
Mn-t	mg/L	0.0009	0.00082	-	0.00643	0.00505	24.04	0.0107	0.00167	146.00	0.00246	0.00165	39.42	0.00201	0.00164	20.27	0.00174	0.0016	8.38
Mo-t	mg/L	<0.0001	<0.0001	-	0.0003	0.00025	-	<0.0001	<0.0001	-	0.00018	0.00019	-	0.0162	0.000403	-	0.000147	0.000159	-
Ni-t	mg/L	<0.0004	<0.0004	-	<0.0004	<0.0004	-	<0.0004	<0.0004	-	0.00046	<0.0004	-	0.000099	0.00009	-	0.00062	0.00331	-
P-t	mg/L	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.01	<0.01	-	<0.01	0.014	-
K-t	mg/L	0.13	<0.1	-	0.18	0.14	-	0.19	<0.1	-	0.11	0.13	-	0.083	0.087	-	0.099	0.107	-
Se-t	mg/L	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	0.00011	<0.0001	-	<0.0001	<0.0001	-
Si-t	mg/L	2	1.9	-	1.3	1.3	-	1.9	1.7	-	1.3	1.3	-	1.64	1.7	-	1.72	1.7	-
Ag-t	mg/L	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-
Na-t	mg/L	0.76	0.74	2.67	0.94	0.87	7.73	1.26	1.03	20.09	0.74	0.75	1.34	0.726	0.729	0.41	0.766	0.764	0.26
Sr-t	mg/L	0.0198	0.0194	2.04	0.0144	0.0133	7.94	0.011	0.0108	1.83	0.0135	0.0135	0.00	0.0136	0.0136	0.00	0.0132	0.0138	4.44
S-t	mg/L	<3	<3	-	<3	<3	-	<3	<3	-	<3	<3	-	1.4	1.4	-	1.7	<1	-
Te-t	mg/L	<0.0005	-	-	<0.0005	-	-	<0.0005	-	-	<0.0005	-	-	<0.00005	-	-	<0.00005	-	-
Tl-t	mg/L	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.000004	<0.000004	-	<0.000004	<0.000004	-

Parameter	Unit	7-ARNICA 07-Jul-21			BL-GOLD 10-Aug-21			CRAB UPPER 10-Nov-21			HENSHAW-0 20-Oct-21			KARS-0 21-Apr-21			KARS-0 10-Jun-21		
		Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%
Th-t	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-
Sn-t	mg/L	0.00041	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.00005	<0.00005	-	0.000075	<0.00005	-
Ti-t	mg/L	<0.005	<0.005	-	<0.005	<0.005	-	0.0161	0.0083	-	<0.005	<0.005	-	0.00034	<0.0002	-	<0.0002	0.00023	-
W-t	mg/L	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-
U-t	mg/L	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	0.0000127	0.0000129	-	0.0000151	0.0000147	-
V-t	mg/L	<0.001	<0.001	-	0.0026	0.0021	-	0.0012	<0.001	-	<0.001	<0.001	-	0.00045	0.00062	-	0.0003	0.00025	-
Zn-t	mg/L	0.0203	0.0178	-	0.0142	0.0104	-	0.0097	<0.004	-	0.0104	0.0134	-	0.0075	0.0078	-	0.0076	0.0071	-
Zr-t	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	0.00014	<0.0001	-	<0.0001	<0.0001	-	<0.00002	<0.00002	-	0.000027	<0.00002	-
Al-d	mg/L	0.0177	0.0148	-	0.015	0.0151	-	0.025	0.167	147.92	0.0149	0.0168	-	0.011	0.0128	-	0.0197	0.018	-
Sb-d	mg/L	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.00005	<0.00005	-	0.000073	<0.00005	-
As-d	mg/L	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	0.000158	0.00015	-	0.00014	0.000148	-
Ba-d	mg/L	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	-	0.00443	0.00532	-	0.00535	0.00494	-
Be-d	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-
Bi-d	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-
B-d	mg/L	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	0.004	0.0042	-	0.0026	0.0028	-
Cd-d	mg/L	0.000069	0.000069	0.00	<0.00001	<0.00001	-	<0.00001	0.000024	-	0.000024	0.00003	-	0.0000219	0.0000218	-	0.000021	0.0000165	-
Ca-d	mg/L	16.6	16.1	3.06	7.99	7.81	2.28	12.5	12.6	0.80	8.8	8.77	0.34	9.38	9.36	0.21	10	10	0.00
Cr-d	mg/L	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	0.00018	0.00015	-	0.00014	0.00017	-
Co-d	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	0.0000102	0.0000124	-	0.000009	0.000007	-
Cu-d	mg/L	0.0012	0.00121	-	0.0005	0.00054	-	0.00055	0.00158	-	0.00056	0.00055	-	0.00118	0.00115	-	0.0008	0.00052	-
Fe-d	mg/L	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	0.15	-	<0.01	<0.01	-	0.0049	0.0076	-	0.0033	0.0025	-
Pb-d	mg/L	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	0.000144	0.000087	-	0.000138	<0.00005	-
Li-d	mg/L	0.00013	0.00012	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00005	<0.00005	-	0.000051	<0.00005	-
Mg-d	mg/L	0.691	0.682	1.31	0.839	0.833	0.72	0.421	0.481	13.30	0.813	0.855	5.04	0.931	0.921	1.08	0.99	1.03	3.96
Mn-d	mg/L	0.00056	0.00047	-	0.00029	0.0004	-	0.00175	0.00624	112.39	0.00048	0.00038	-	0.00156	0.002	24.72	0.00121	0.000954	-
Mo-d	mg/L	<0.0001	<0.0001	-	0.00013	0.00014	-	<0.0001	0.00015	-	0.0002	0.00041	-	0.00948	0.000158	-	0.000151	0.000142	-
Ni-d	mg/L	<0.0004	<0.0004	-	<0.0004	<0.0004	-	<0.0004	<0.0004	-	<0.0004	<0.0004	-	0.000215	0.000231	-	0.000115	0.000175	-
P-d	mg/L	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.01	<0.01	-	<0.01	<0.01	-
K-d	mg/L	<0.1	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	-	0.12	0.11	-	0.05	0.043	-	0.125	0.086	-
Se-d	mg/L	<0.0005	<0.0005	-	0.00061	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-
Si-d	mg/L	2.1	1.8	-	1.7	1.5	-	1.7	2	-	1.5	1.8	-	1.89	2.06	-	1.75	1.79	-
Ag-d	mg/L	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-
Na-d	mg/L	0.65	0.65	0.00	0.64	0.61	4.80	1.02	1.04	1.94	0.77	0.8	3.82	0.726	0.711	2.09	0.81	0.794	2.00
Sr-d	mg/L	0.0168	0.0174	3.51	0.0117	0.0116	0.86	0.0105	0.011	4.65	0.0125	0.0131	4.69	0.0138	0.0282	68.57	0.0143	0.0142	0.70
S-d	mg/L	<3	<3	-	<3	<3	-	<3	<3	-	<3	<3	-	1.35	1.35	-	1.37	1.14	-
Te-d	mg/L	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-
Tl-d	mg/L	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.000004	<0.000004	-	<0.000004	<0.000004	-
Th-d	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-
Sn-d	mg/L	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	0.000083	0.000053	-	<0.00005	<0.00005	-
Ti-d	mg/L	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-
W-d	mg/L	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-
U-d	mg/L	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	0.0000125	0.0000122	-	0.0000137	0.0000138	-
V-d	mg/L	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	0.00037	0.00045	-	<0.0002	<0.0002	-
Zn-d	mg/L	0.0149	0.0153	-	<0.004	<0.004	-	<0.004	<0.004	-	0.009	0.0073	-	0.0081	0.0067	-	0.007	0.014	-
Zr-d	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00002	<0.00002	-	0.000027	<0.00002	-
Silica.Reactive	mg/L										3.23	3.23		3.75	3.75		3.46	3.34	

Parameter	Unit	KARS-20 25-Aug-21			KARS-0 08-Dec-21			MC-EFF DC 13-Jul-21			MC-TP4 02-Jun-21			MC-TP4 15-Nov-21			MC-TP4-DC 11-Jan-21		
		Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%
pH	pH Unit	7.41	7.49	1.07	6.99	7.04	0.71	-	-	-	5.88	6.40	8.47	7.22	7.21	0.14	-	-	-
Conductivity	uS/cm	57.2	57.8	1.04	56.7	56.3	0.71	-	-	-	47.2	46.9	0.64	61.2	61.6	0.65	-	-	-
Hardness-t	mg/L	25.8	24.9	3.55	24.5	25.8	5.17	299	304	1.66	17.9	15.8	12.46	24.7	24.8	0.40	63.6	62.6	1.58
Turbidity	NTU	0.22	0.21	-	0.29	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-
TSS	mg/L	<2.5	<2	-	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
Alkalinity.Bicarbonate	mg/L	27.9	27	3.28	26.4	26.5	0.38	-	-	-	12.5	7.5	50.00	12.3	12.3	0.00	-	-	-
Alkalinity.Carbonate	mg/L	<1	<1	-	<1	<1	-	-	-	-	<1	<1	-	<1	<1	-	-	-	-
Alkalinity.Hydroxide	mg/L	<1	<1	-	<1	<1	-	-	-	-	<1	<1	-	<1	<1	-	-	-	-
Alkalinity-t.4.5	mg/L	27.9	27	3.28	26.4	26.5	0.38	-	-	-	12.5	7.5	50.00	12.3	12.3	0.00	-	-	-
Chloride	mg/L	-	-	-	-	-	-	-	-	-	0.56	0.55	1.80	1.36	1.35	0.74	-	-	-
Fluoride	mg/L	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	<0.1	<0.1	-	-	-	-
Sulphate	mg/L	4.5	4.5	-	3.9	3.9	-	-	-	-	7.7	7.7	0.00	13.8	13.7	0.73	-	-	-
Total.Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate.Nitrite	mg/L	0.0264	0.0261	-	0.0321	0.0327	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	0.026	0.026	-	0.032	0.033	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite	mg/L	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
Ammonia.Un-Ionized (asN)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total.Phosphorus	mg/L	0.0074	0.0061	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
Al-t	mg/L	0.0166	0.0154	-	0.0271	0.0227	-	0.217	0.215	0.93	0.0617	0.0528	15.55	0.0974	0.0954	2.07	0.0253	0.0275	8.33
Sb-t	mg/L	0.000062	0.00005	-	<0.0002	0.00079	-	0.013	0.0136	4.51	0.00027	0.00021	-	<0.0002	0.00037	-	0.000238	0.000248	-
As-t	mg/L	0.000183	0.000168	-	<0.0005	<0.0005	-	0.00067	0.0008	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	0.000153	0.000125	-
Ba-t	mg/L	0.00514	0.00505	-	<0.005	0.005	-	0.0331	0.0385	15.08	0.0062	<0.005	-	0.0063	0.0061	-	0.0215	0.0228	-
Be-t	mg/L	<0.00001	<0.00001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00001	<0.00001	-
Bi-t	mg/L	<0.00001	<0.00001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00001	<0.00001	-
B-t	mg/L	0.0053	0.0044	-	<0.05	<0.05	-	0.0638	0.064	0.31	<0.05	<0.05	-	<0.05	<0.05	-	0.0035	0.0031	-
Cd-t	mg/L	0.0000254	0.0000225	-	0.000027	0.000025	-	0.000292	0.000297	1.70	0.000048	0.000034	-	0.000138	0.000163	16.61	0.000229	0.000232	1.30
Ca-t	mg/L	9.7	9.54	1.66	9.93	9.61	3.28	102	104	1.94	6.53	6	8.46	9.54	10.1	5.70	24.5	24.5	0.00
Cr-t	mg/L	0.00021	0.0002	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	0.00013	0.00017	-
Co-t	mg/L	0.0000243	0.0000106	-	<0.0001	<0.0001	-	0.00016	0.00016	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	0.0000342	0.000038	-
Cu-t	mg/L	0.00065	0.00058	-	0.00111	0.00109	-	0.00936	0.00903	3.59	0.00119	0.00101	-	0.00368	0.00388	5.29	0.00202	0.0021	3.88
Fe-t	mg/L	0.0076	0.0109	-	0.017	0.025	-	0.055	0.055	0.00	0.02	0.015	-	0.017	0.019	-	0.0112	0.0131	-
Pb-t	mg/L	<0.00005	0.00007	-	<0.0002	<0.0002	-	0.00221	0.00214	3.22	0.00033	<0.0002	-	0.0003	0.00034	-	0.000082	0.000104	-
Li-t	mg/L	0.000076	0.00007	-	<0.0001	<0.0001	-	0.00336	0.00328	2.41	0.00018	0.00015	-	0.00016	0.00017	-	0.000156	0.000147	-
Mg-t	mg/L	0.817	0.761	7.10	0.904	0.871	3.72	10.6	10.9	2.79	0.388	0.351	10.01	0.644	0.652	1.23	2.05	2.07	0.97
Mn-t	mg/L	0.00174	0.00164	5.92	0.00168	0.00193	13.85	0.029	0.0293	1.03	0.00276	0.00248	10.69	0.00732	0.00767	4.67	0.00571	0.00662	14.76
Mo-t	mg/L	0.000205	0.00291	-	0.00012	0.00016	-	0.0104	0.0106	1.90	0.0005	0.00044	-	0.00026	0.00042	-	0.000559	0.000709	23.66
Ni-t	mg/L	0.000069	0.00005	-	<0.0004	<0.0004	-	<0.0004	<0.0004	-	<0.0004	<0.0004	-	<0.0004	<0.0004	-	0.000309	0.000333	-
P-t	mg/L	<0.01	<0.01	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.01	<0.01	-
K-t	mg/L	0.078	0.068	-	<0.1	<0.1	-	7.6	7.69	1.18	0.22	0.19	-	0.2	0.21	-	0.398	0.41	-
Se-t	mg/L	<0.0001	<0.0001	-	<0.0005	<0.0005	-	0.0071	0.00699	1.56	<0.0005	<0.0005	-	<0.0005	<0.0005	-	0.00026	0.00023	-
Si-t	mg/L	1.6	1.58	-	1.6	1.6	-	2.6	2.6	-	<1	<1	-	1.1	1.1	-	2.06	2.02	-
Ag-t	mg/L	<0.00001	<0.00001	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00001	<0.00001	-
Na-t	mg/L	0.722	0.672	7.17	0.76	0.73	4.03	14.9	15.1	1.33	1.19	1.05	12.50	1.06	1.06	0.00	1.38	1.43	3.56
Sr-t	mg/L	0.0138	0.0136	1.46	0.0138	0.0136	1.46	0.419	0.421	0.48	0.017	0.0145	15.87	0.0192	0.0201	4.58	0.0602	0.0606	0.66
S-t	mg/L	1.4	1.4	-	<3	<3	-	111	114	2.67	4	<3	-	4.7	5.5	-	15.6	15.5	0.64
Te-t	mg/L	<0.00005	-	-	<0.0005	-	-	<0.0005	-	-	<0.0005	-	-	<0.0005	-	-	<0.00005	-	-
Tl-t	mg/L	<0.000004	<0.000004	-	<0.00002	<0.00002	-	0.000027	0.000031	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.000004	<0.000004	-

Parameter	Unit	KARS-20 25-Aug-21			KARS-0 08-Dec-21			MC-EFF DC 13-Jul-21			MC-TP4 02-Jun-21			MC-TP4 15-Nov-21			MC-TP4-DC 11-Jan-21		
		Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%
Th-t	mg/L	<0.00001	<0.00001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00001	<0.00001	-
Sn-t	mg/L	<0.00005	<0.00005	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	0.000079	0.000094	-
Ti-t	mg/L	0.00023	0.00025	-	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	-	<0.0002	<0.0002	-
W-t	mg/L	<0.0002	<0.0002	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.0002	<0.0002	-
U-t	mg/L	0.0000122	0.0000124	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	0.000021	<0.00002	-	0.000022	0.000023	-	0.0000134	0.0000128	-
V-t	mg/L	0.00031	0.00027	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.0002	<0.0002	-
Zn-t	mg/L	0.0073	0.007	-	0.0083	0.0093	-	0.0893	0.0796	11.49	0.0241	0.0167	-	0.0503	0.051	1.38	0.0752	0.0766	1.84
Zr-t	mg/L	<0.00002	<0.00002	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00002	<0.00002	-
Al-d	mg/L	0.0085	0.0104	-	<0.005	<0.005	-	0.0678	0.0554	20.13	0.0529	0.0446	17.03	0.069	0.0662	4.14	0.0182	0.017	-
Sb-d	mg/L	<0.00005	0.000068	-	<0.0002	<0.0002	-	0.0126	0.0125	0.80	<0.0002	<0.0002	-	<0.0002	<0.0002	-	0.000189	0.000201	-
As-d	mg/L	0.000132	0.000149	-	<0.0005	<0.0005	-	0.00073	0.00057	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	0.000075	0.000078	-
Ba-d	mg/L	0.00465	0.00472	-	<0.005	<0.005	-	0.0275	0.0276	0.36	<0.005	<0.005	-	0.0053	0.0054	-	0.0191	0.0196	-
Be-d	mg/L	<0.00001	<0.00001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00001	<0.00001	-
Bi-d	mg/L	<0.00001	<0.00001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00001	<0.00001	-
B-d	mg/L	0.0043	0.0035	-	<0.05	<0.05	-	0.0615	0.0623	1.29	<0.05	<0.05	-	<0.05	<0.05	-	0.0029	0.0027	-
Cd-d	mg/L	0.0000229	0.0000233	-	0.000017	0.000018	-	0.000306	0.000282	8.16	0.000037	0.000044	-	0.000144	0.000143	0.70	0.00021	0.000205	2.41
Ca-d	mg/L	9.14	8.71	4.82	8.4	9.03	7.23	105	106	0.95	6.77	5.75	16.29	8.61	8.6	0.12	22.7	22.3	1.78
Cr-d	mg/L	0.00018	0.00022	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	0.00014	0.00019	-
Co-d	mg/L	0.0000083	0.0000062	-	<0.0001	<0.0001	-	0.00014	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	0.0000305	0.0000277	-
Cu-d	mg/L	0.00058	0.00079	-	0.00065	0.00063	-	0.00468	0.00414	12.24	0.00063	0.00056	-	0.00128	0.00114	-	0.00174	0.00175	-
Fe-d	mg/L	0.0028	0.0042	-	<0.01	<0.01	-	0.011	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	0.0061	0.0059	-
Pb-d	mg/L	0.000052	0.000159	-	<0.0002	0.00089	-	0.00026	0.00022	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.00005	<0.00005	-
Li-d	mg/L	0.000062	0.000054	-	0.00017	<0.0001	-	0.00339	0.00344	1.46	0.00017	0.00013	-	0.00012	0.00013	-	0.00012	0.000118	-
Mg-d	mg/L	0.722	0.75	3.80	0.845	0.787	7.11	10.8	11	1.83	0.416	0.35	17.23	0.77	0.801	3.95	1.65	1.66	0.60
Mn-d	mg/L	0.000749	0.00079	-	0.00069	0.00066	-	0.0233	0.0225	3.49	0.00198	0.00219	10.07	0.00613	0.006	2.14	0.00453	0.00452	0.22
Mo-d	mg/L	0.00015	0.000142	-	0.00016	0.00013	-	0.0103	0.0104	0.97	0.00045	0.00035	-	0.00027	0.00025	-	0.000496	0.000514	-
Ni-d	mg/L	0.000044	0.000069	-	<0.0004	<0.0004	-	0.00049	<0.0004	-	<0.0004	<0.0004	-	<0.0004	<0.0004	-	0.000299	0.000254	-
P-d	mg/L	<0.01	<0.01	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.01	<0.01	-
K-d	mg/L	0.081	0.089	-	0.1	<0.1	-	7.63	7.6	0.39	0.21	0.2	-	0.21	0.22	-	0.38	0.385	-
Se-d	mg/L	<0.0001	<0.0001	-	<0.0005	<0.0005	-	0.0066	0.0068	2.99	<0.0005	<0.0005	-	<0.0005	<0.0005	-	0.00021	0.00022	-
Si-d	mg/L	1.32	1.47	-	1.7	1.5	-	2.5	2.5	-	<1	<1	-	1.1	1.1	-	1.65	1.71	-
Ag-d	mg/L	<0.00001	<0.00001	-	<0.00005	<0.00005	-	0.000064	0.000058	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00001	<0.00001	-
Na-d	mg/L	0.634	0.686	7.88	0.79	0.64	20.98	15.2	15.2	0.00	1.23	1.05	15.79	1.12	1.11	0.90	1.28	1.28	0.00
Sr-d	mg/L	0.0125	0.0128	2.37	0.0132	0.012	9.52	0.422	0.423	0.24	0.0174	0.0153	12.84	0.0179	0.0182	1.66	0.0538	0.0539	0.19
S-d	mg/L	1.57	1.9	-	<3	<3	-	109	117	7.08	4.5	<3	-	5.4	5.5	-	12.9	13.1	-
Te-d	mg/L	0.000056	<0.00005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.00005	<0.00005	-
Tl-d	mg/L	<0.000004	<0.000004	-	<0.00002	<0.00002	-	0.000026	0.000025	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.000004	<0.000004	-
Th-d	mg/L	<0.00001	<0.00001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00001	<0.00001	-
Sn-d	mg/L	<0.00005	<0.00005	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.00005	<0.00005	-
Ti-d	mg/L	<0.0002	<0.0002	-	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	-	<0.0002	<0.0002	-
W-d	mg/L	<0.0002	<0.0002	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.0002	<0.0002	-
U-d	mg/L	0.0000111	0.0000108	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	0.000021	0.00002	-	<0.00002	<0.00002	-	0.000012	0.0000122	-
V-d	mg/L	0.00021	0.00021	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	0.0011	-	<0.001	<0.001	-	<0.0002	<0.0002	-
Zn-d	mg/L	0.0063	0.0071	-	0.0059	0.0071	-	0.0601	0.0511	-	0.0106	0.009	-	0.0474	0.0479	-	0.0689	0.0686	0.44
Zr-d	mg/L	<0.00002	<0.00002	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00002	<0.00002	-
Silica.Reactive	mg/L	3	3		3.65	3.65													

Parameter	Unit	MC-TP4-DC 12-Jan-21			MC-TP4-DC 25-Jan-21			MC-TP4-DC 26-Jul-21			MC-TP4-DC 12-Aug-21			MC-TP4-DC 16-Nov-21			MILL DITCH 07-Jul-21		
		Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%
pH	pH Unit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.93	6.97	0.58
Conductivity	uS/cm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	752	753	0.13
Hardness-t	mg/L	59.4	60.4	1.67	76	76	0.00	66	65.9	0.15	70.6	70.8	0.28	64.4	59.9	7.24	248	276	10.69
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSS	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43.6	28	43.58
Alkalinity.Bicarbonate	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.5	21	2.41
Alkalinity.Carbonate	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-
Alkalinity.Hydroxide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-
Alkalinity-t.4.5	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.5	21	2.41
Chloride	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.17	6.09	1.31
Fluoride	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.48	0.48	-
Sulphate	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	341	339	0.59
Total.Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.95	3.85	2.56
Nitrate.Nitrite	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.49	2.56	2.77
Nitrate	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ammonia.Un-Ionized (asN)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total.Phosphorus	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0336	0.0337	0.30
Al-t	mg/L	0.0288	0.0163	-	0.0127	0.017	-	0.0365	0.034	7.09	0.0273	0.0273	0.00	0.0595	0.0617	3.63	0.526	0.528	0.38
Sb-t	mg/L	0.000212	0.000216	-	0.000329	0.000317	-	0.000847	0.000841	-	0.0006	0.00059	-	0.000251	0.000258	-	0.0389	0.0391	0.51
As-t	mg/L	0.000159	0.000137	-	0.000151	0.000145	-	0.000188	0.00018	-	0.000161	0.00016	-	0.000159	0.000169	-	0.00611	0.00604	1.15
Ba-t	mg/L	0.0213	0.0215	-	0.0243	0.0247	-	0.0254	0.0253	0.39	0.0261	0.026	0.38	0.0277	0.029	4.59	0.161	0.137	16.11
Be-t	mg/L	<0.00001	0.000026	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.0001	<0.0001	-
Bi-t	mg/L	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.0001	<0.0001	-
B-t	mg/L	0.003	0.0024	-	0.0033	0.0034	-	0.0094	0.0096	-	0.0085	0.0083	-	0.0043	0.0048	-	0.605	1.13	60.52
Cd-t	mg/L	0.000218	0.000224	2.71	0.00027	0.000266	1.49	0.000295	0.000295	0.00	0.000344	0.000334	2.95	0.000293	0.0003	2.36	0.00804	0.00794	1.25
Ca-t	mg/L	23.4	22.2	5.26	26.9	27.1	0.74	24.7	25.3	2.40	24.7	25.2	2.00	23.4	22.8	2.60	107	105	1.89
Cr-t	mg/L	0.00017	0.00017	-	0.00011	0.00014	-	0.00016	0.00015	-	0.0002	0.00019	-	0.00016	0.00015	-	0.00054	0.00052	-
Co-t	mg/L	0.0000245	0.0000165	-	0.000013	0.0000127	-	0.0000481	0.0000423	-	0.0000605	0.0000624	-	0.0000825	0.0000885	-	0.00109	0.00122	11.26
Cu-t	mg/L	0.00215	0.00301	33.33	0.0016	0.00176	-	0.00195	0.00191	-	0.00251	0.00167	-	0.00326	0.00344	5.37	0.216	0.214	0.93
Fe-t	mg/L	0.0253	0.0078	-	0.0034	0.0065	-	0.0269	0.0226	-	0.0087	0.0106	-	0.0582	0.062	6.32	0.713	0.695	2.56
Pb-t	mg/L	0.000161	<0.00005	-	0.0002	0.000255	-	0.000223	0.000223	-	0.000067	0.000072	-	0.000521	0.000526	-	0.0402	0.0345	15.26
Li-t	mg/L	0.000139	0.00012	-	0.00012	0.000131	-	0.000405	0.000407	-	0.000296	0.000298	-	0.000176	0.000178	-	0.0036	0.00351	2.53
Mg-t	mg/L	1.86	1.85	0.54	2.15	2.17	0.93	2.02	2	1.00	2.17	2.18	0.46	2.08	2.14	2.84	4.56	4.53	0.66
Mn-t	mg/L	0.00196	0.000615	-	0.000453	0.000512	-	0.00864	0.00852	1.40	0.0183	0.0186	1.63	0.012	0.0124	3.28	0.22	0.218	0.91
Mo-t	mg/L	0.000506	0.000547	7.79	0.00069	0.000676	2.05	0.00147	0.00146	0.68	0.00102	0.00102	0.00	0.000537	0.000541	0.74	0.0321	0.0315	1.89
Ni-t	mg/L	0.000166	0.000169	-	0.000145	0.000182	-	0.000176	0.00017	-	0.000357	0.000363	-	0.000282	0.00029	-	0.003	0.00315	4.88
P-t	mg/L	<0.01	<0.01	-	<0.01	<0.01	-	0.016	0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	0.08	0.068	-
K-t	mg/L	0.35	0.352	-	0.463	0.473	-	0.869	0.85	2.21	0.804	0.813	1.11	0.395	0.4	-	20.6	20.6	0.00
Se-t	mg/L	0.00028	0.00025	-	0.00026	0.00029	-	0.00067	0.00063	-	0.00035	0.00042	-	0.00018	0.00017	-	0.0162	0.0157	3.13
Si-t	mg/L	1.96	2.1	-	1.86	1.9	-	1.77	1.76	-	1.85	1.78	-	2.16	2.16	-	3.2	3.1	-
Ag-t	mg/L	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	0.000494	0.000445	10.44
Na-t	mg/L	1.2	1.2	0.00	1.6	1.6	0.00	2.88	2.87	0.35	2.83	2.86	1.05	1.36	1.4	2.90	24.6	24.3	1.23
Sr-t	mg/L	0.0539	0.0558	3.46	0.0638	0.0646	1.25	0.0665	0.066	0.75	0.0586	0.0596	1.69	0.0423	0.0436	3.03	0.39	0.384	1.55
S-t	mg/L	13.3	13.7	-	16.5	16.8	1.80	17.8	17.7	0.56	20.5	19.3	6.03	12.7	12.9	-	114	113	0.88
Te-t	mg/L	<0.00005	-	-	<0.00005	-	-	0.000084	-	-	<0.00005	-	-	<0.00005	-	-	<0.0005	-	-
Tl-t	mg/L	<0.000004	<0.000004	-	<0.000004	<0.000004	-	<0.000004	<0.000004	-	<0.000004	<0.000004	-	<0.000004	<0.000004	-	0.000038	0.00004	-

Parameter	Unit	MC-TP4-DC 12-Jan-21			MC-TP4-DC 25-Jan-21			MC-TP4-DC 26-Jul-21			MC-TP4-DC 12-Aug-21			MC-TP4-DC 16-Nov-21			MILL DITCH 07-Jul-21		
		Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%
Th-t	mg/L	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.0001	<0.0001	-
Sn-t	mg/L	<0.00005	0.000081	-	<0.00005	0.000059	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.0002	<0.0002	-
Ti-t	mg/L	0.00052	<0.0002	-	0.00026	<0.0002	-	0.00053	0.0006	-	<0.0002	<0.0002	-	0.00078	0.00076	-	<0.005	<0.005	-
W-t	mg/L	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	0.0023	0.0033	-
U-t	mg/L	0.0000133	0.0000111	-	0.0000094	0.0000107	-	0.0000087	0.0000095	-	0.0000078	0.0000075	-	0.0000163	0.0000162	-	0.00015	0.00014	6.90
V-t	mg/L	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	0.0013	0.0013	-
Zn-t	mg/L	0.0723	0.0717	0.83	0.0802	0.081	0.99	0.102	0.0984	3.59	0.12	0.123	2.47	0.111	0.106	4.61	2.39	2.35	1.69
Zr-t	mg/L	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.0001	<0.0001	-
Al-d	mg/L	0.0138	0.0146	-	0.0107	0.0109	-	0.0241	0.021	-	0.0225	0.0226	-	0.0228	0.0226	-	0.0991	0.0477	70.03
Sb-d	mg/L	0.000184	0.000181	-	0.000306	0.000307	-	0.000766	0.000769	-	0.00061	0.00062	-	0.000254	0.000236	-	0.033	0.0358	8.14
As-d	mg/L	0.000088	0.000103	-	0.000143	0.000154	-	0.000153	0.000158	-	0.000158	0.000165	-	0.00013	0.000106	-	0.00139	0.00127	-
Ba-d	mg/L	0.0193	0.0205	-	0.0232	0.0234	-	0.0226	0.0225	-	0.0259	0.0266	2.67	0.0266	0.0252	5.41	0.0482	0.0526	8.73
Be-d	mg/L	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.0001	<0.0001	-
Bi-d	mg/L	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.0001	<0.0001	-
B-d	mg/L	0.0027	0.0025	-	0.0039	0.0038	-	0.0083	0.0084	-	0.0079	0.0078	-	0.0047	0.0039	-	0.103	0.106	2.87
Cd-d	mg/L	0.0002	0.000203	1.49	0.000251	0.000249	0.80	0.000269	0.000254	5.74	0.00033	0.000343	3.86	0.000289	0.000282	2.45	0.00558	0.00631	12.28
Ca-d	mg/L	21.3	21.6	1.40	26.9	27	0.37	23.3	23.2	0.43	25	24.7	1.21	22.5	20.8	7.85	92.2	103	11.07
Cr-d	mg/L	0.00014	0.00015	-	0.00028	0.00026	-	0.00013	0.00014	-	0.00017	0.00015	-	0.00015	0.00012	-	<0.0005	<0.0005	-
Co-d	mg/L	0.0000122	0.0000138	-	0.0000173	0.000013	-	0.0000288	0.0000334	-	0.0000476	0.0000534	-	0.0000771	0.0000697	-	0.00077	0.00071	8.11
Cu-d	mg/L	0.00157	0.00152	-	0.00199	0.00192	-	0.00145	0.00154	-	0.00161	0.00163	-	0.00252	0.00233	7.84	0.0425	0.027	44.60
Fe-d	mg/L	0.0051	0.0052	-	0.0024	<0.002	-	0.0048	0.0038	-	0.0031	0.0027	-	0.0055	0.0055	-	<0.01	<0.01	-
Pb-d	mg/L	<0.00005	<0.00005	-	0.000166	0.000128	-	0.000093	0.000107	-	0.000067	0.000084	-	0.000083	0.000111	-	0.00298	0.00185	46.79
Li-d	mg/L	0.000106	0.00012	-	0.000141	0.000137	-	0.00038	0.000378	-	0.000286	0.000278	-	0.000151	0.000145	-	0.00307	0.00341	10.49
Mg-d	mg/L	1.47	1.52	3.34	2.13	2.09	1.90	1.87	1.91	2.12	2.18	2.17	0.46	2	1.92	4.08	4.22	4.7	10.76
Mn-d	mg/L	0.000277	0.000295	-	0.000238	0.000204	-	0.00696	0.00715	2.69	0.0171	0.0177	3.45	0.011	0.0103	6.57	0.185	0.203	9.28
Mo-d	mg/L	0.000454	0.000476	-	0.000648	0.000651	0.46	0.00134	0.00136	1.48	0.00104	0.00102	1.94	0.000477	0.000455	-	0.0272	0.03	9.79
Ni-d	mg/L	0.000182	0.000222	-	0.000335	0.000247	-	0.000222	0.00022	-	0.000336	0.000346	-	0.000265	0.00026	-	0.0022	0.0021	4.65
P-d	mg/L	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.05	<0.05	-
K-d	mg/L	0.33	0.322	-	0.459	0.447	-	0.791	0.807	2.00	0.779	0.797	2.28	0.372	0.363	-	19.6	21.8	10.63
Se-d	mg/L	0.00024	0.00026	-	0.00023	0.00027	-	0.00087	0.00077	-	0.00021	0.0002	-	0.00014	0.0001	-	0.0169	0.0187	10.11
Si-d	mg/L	1.7	1.71	-	1.79	1.76	-	1.59	1.6	-	1.9	1.84	-	1.99	1.93	-	2.6	2.7	-
Ag-d	mg/L	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	0.00017	0.000246	-
Na-d	mg/L	1.15	1.18	2.58	1.63	1.59	2.48	2.68	2.74	2.21	2.85	2.86	0.35	1.33	1.28	3.83	23	24.3	5.50
Sr-d	mg/L	0.0501	0.0513	2.37	0.0622	0.0625	0.48	0.061	0.0606	0.66	0.0586	0.06	2.36	0.0417	0.0396	5.17	0.341	0.377	10.03
S-d	mg/L	10.9	11.9	-	15.8	16.2	2.50	16.1	16.7	3.66	18.7	19.6	4.70	11.9	11.5	-	122	131	7.11
Te-d	mg/L	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00005	0.000054	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.0005	<0.0005	-
Tl-d	mg/L	<0.000004	<0.000004	-	<0.000004	<0.000004	-	<0.000004	<0.000004	-	<0.000004	<0.000004	-	<0.000004	<0.000004	-	0.000035	0.000038	-
Th-d	mg/L	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.0001	<0.0001	-
Sn-d	mg/L	0.000052	0.000054	-	0.00005	0.000063	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.0002	<0.0002	-
Ti-d	mg/L	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.005	<0.005	-
W-d	mg/L	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	0.0016	0.0018	-
U-d	mg/L	0.0000113	0.0000114	-	0.0000099	0.0000094	-	0.0000078	0.0000074	-	0.0000076	0.0000071	-	0.0000137	0.0000124	-	0.000069	0.000059	-
V-d	mg/L	0.00022	0.00036	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.001	<0.001	-
Zn-d	mg/L	0.0637	0.0637	0.00	0.0776	0.0765	1.43	0.0888	0.0892	0.45	0.116	0.118	1.71	0.107	0.1	6.76	0.862	0.6	35.84
Zr-d	mg/L	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.0001	<0.0001	-
Silica.Reactive	mg/L																		

Parameter	Unit	MP-EFF 13-Oct-21			MP-EFF 24-Mar-21			MP-EFF-DC 31-Aug-21			MP-EFF-DC 01-Sep-21			MP-EFF-DC 26-Oct-21			MW17-03 25-Nov-21		
		Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%
pH	pH Unit	7.61	7.65	0.52	-	-	-	-	-	-	-	-	-	-	-	-	3.09	3.16	2.24
Conductivity	uS/cm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2530	2430	4.03
Hardness-t	mg/L	350	379	7.96	264	306	14.74	361	378	4.60	355	367	3.32	335	341	1.78	1240	1240	0.00
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSS	mg/L	7.8	8.2	-	12.4	9.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Alkalinity.Bicarbonate	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-
Alkalinity.Carbonate	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-
Alkalinity.Hydroxide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-
Alkalinity-t.4.5	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	-
Chloride	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.99	3	0.33
Fluoride	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulphate	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1910	1910	0.00
Total.Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate.Nitrite	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ammonia.Un-Ionized (asN)	mg/L	0.015	0.017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total.Phosphorus	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Al-t	mg/L	0.628	0.686	8.83	0.15	0.268	56.46	0.0656	0.147	76.58	0.0354	-	-	2	2.12	5.83	40.1	-	-
Sb-t	mg/L	0.00204	0.00221	8.00	0.00624	0.00639	2.38	0.00897	0.00796	11.93	0.013	-	-	0.00098	0.00098	-	0.000302	-	-
As-t	mg/L	0.000409	0.000441	-	0.000198	0.000331	-	0.00073	0.00083	-	0.00111	-	-	<0.0005	0.00057	-	0.00511	-	-
Ba-t	mg/L	0.0308	0.034	9.88	0.0194	0.0336	-	0.0269	0.0311	14.48	0.0292	-	-	0.0559	0.0655	15.82	0.0945	-	-
Be-t	mg/L	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.0001	<0.0001	-	<0.0001	-	-	<0.0001	<0.0001	-	0.00131	-	-
Bi-t	mg/L	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.0001	<0.0001	-	<0.0001	-	-	<0.0001	<0.0001	-	0.000086	-	-
B-t	mg/L	0.048	0.0507	5.47	0.0316	0.0396	22.47	0.0728	0.0851	15.58	0.0771	-	-	<0.05	<0.05	-	0.0189	-	-
Cd-t	mg/L	0.000428	0.000473	9.99	0.0000552	0.000444	155.77	0.000168	0.000183	8.55	0.000249	-	-	0.00202	0.00218	7.62	0.153	-	-
Ca-t	mg/L	127	142	11.15	89.6	106	16.77	132	143	8.00	129	-	-	140	139	0.72	367	-	-
Cr-t	mg/L	0.00042	0.00059	-	0.00014	0.00032	-	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	<0.0005	-	0.00832	-	-
Co-t	mg/L	0.000273	0.000309	-	0.0000391	0.000257	-	0.00013	0.00025	-	0.0002	-	-	0.00064	0.00074	14.49	0.109	-	-
Cu-t	mg/L	0.0181	0.0197	8.47	0.00633	0.0186	98.44	0.00476	0.00921	63.71	0.00632	-	-	0.0567	0.0596	4.99	4.79	-	-
Fe-t	mg/L	0.208	0.224	7.41	0.0035	0.168	-	<0.01	0.02	-	<0.01	-	-	0.395	0.448	12.57	56.2	-	-
Pb-t	mg/L	0.00422	0.0045	6.42	0.000056	0.00585	-	0.00027	0.00051	-	0.00041	-	-	0.013	0.0143	9.52	0.0281	-	-
Li-t	mg/L	0.00284	0.0031	8.75	0.00255	0.00302	16.88	0.0051	0.00535	4.78	0.00536	-	-	0.00362	0.0036	0.55	0.00601	-	-
Mg-t	mg/L	7.85	8.63	9.47	9.84	10.1	2.61	9.5	14.2	39.66	8.92	-	-	5.26	5.21	0.96	109	-	-
Mn-t	mg/L	0.0498	0.0543	8.65	0.0119	0.0503	123.47	0.0221	0.0821	115.16	0.0358	-	-	0.108	0.116	7.14	15.3	-	-
Mo-t	mg/L	0.00242	0.00237	2.09	0.0051	0.00512	0.39	0.0109	0.00996	9.01	0.015	-	-	0.00114	0.00122	6.78	0.000389	-	-
Ni-t	mg/L	0.000635	0.000721	-	0.000358	0.000757	-	<0.0004	0.00041	-	0.00043	-	-	0.00079	0.00082	-	0.137	-	-
P-t	mg/L	<0.01	<0.01	-	<0.01	<0.01	-	<0.05	<0.05	-	<0.05	-	-	<0.05	<0.05	-	0.037	-	-
K-t	mg/L	6.43	7.1	9.90	5.47	5.65	3.24	6.73	9.03	29.19	8.92	-	-	3.2	3.15	1.57	1.35	-	-
Se-t	mg/L	0.00084	0.00101	-	0.00065	0.00068	-	0.00204	0.00347	-	0.00325	-	-	0.00131	0.00162	-	0.00057	-	-
Si-t	mg/L	2.25	2.39	-	2.42	2.75	-	3.2	3.7	-	3.2	-	-	1.1	1.1	-	23.6	-	-
Ag-t	mg/L	0.000021	0.000028	-	0.000011	0.000034	-	<0.00005	0.000134	-	0.000154	-	-	<0.00005	0.000072	-	0.000284	-	-
Na-t	mg/L	14.1	15.4	8.81	7.79	7.97	2.28	20.7	22.6	8.78	24.4	-	-	7.95	7.97	0.25	8.03	-	-
Sr-t	mg/L	0.341	0.38	10.82	0.392	0.404	3.02	0.533	0.55	3.14	0.503	-	-	0.299	0.29	3.06	0.846	-	-
S-t	mg/L	127	141	10.45	104	104	0.00	136	152	11.11	140	-	-	124	119	4.12	522	-	-
Te-t	mg/L	<0.00005	-	-	<0.00005	-	-	<0.0005	-	-	<0.0005	-	-	<0.0005	-	-	0.000143	-	-
Tl-t	mg/L	0.0000254	0.0000322	-	0.0000147	0.0000171	-	0.000051	0.000049	-	0.000046	-	-	0.000035	0.000038	-	0.000069	-	-

Parameter	Unit	MP-EFF 13-Oct-21			MP-EFF 24-Mar-21			MP-EFF-DC 31-Aug-21			MP-EFF-DC 01-Sep-21			MP-EFF-DC 26-Oct-21			MW17-03 25-Nov-21		
		Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%
Th-t	mg/L	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.0001	<0.0001	-	<0.0001	-	-	<0.0001	<0.0001	-	0.000242	-	-
Sn-t	mg/L	<0.00005	<0.00005	-	0.001	0.000196	-	<0.0002	<0.0002	-	<0.0002	-	-	<0.0002	<0.0002	-	0.000172	-	-
Ti-t	mg/L	0.00445	0.00469	-	<0.0002	0.00329	-	<0.005	<0.005	-	<0.005	-	-	<0.005	<0.005	-	0.0439	-	-
W-t	mg/L	0.00023	0.00024	-	0.00026	0.00027	-	<0.001	<0.001	-	<0.001	-	-	<0.001	<0.001	-	<0.0002	-	-
U-t	mg/L	0.0000278	0.0000336	-	0.0000116	0.0000201	-	0.000027	0.000031	-	0.000024	-	-	0.000055	0.000059	-	0.00116	-	-
V-t	mg/L	<0.0002	<0.0002	-	0.0004	0.00064	-	<0.001	<0.001	-	<0.001	-	-	<0.001	<0.001	-	0.00314	-	-
Zn-t	mg/L	0.0939	0.106	12.11	0.0067	0.112	-	0.0455	0.037	20.61	0.065	-	-	0.437	0.464	5.99	50.6	-	-
Zr-t	mg/L	0.000034	0.000028	-	<0.00002	0.000067	-	<0.0001	<0.0001	-	<0.0001	-	-	<0.0001	<0.0001	-	0.000353	-	-
Al-d	mg/L	0.457	0.475	3.86	0.17	0.166	2.38	0.0412	0.134	105.94	0.0285	0.0298	4.46	1.21	1.24	2.45	32.7	30.8	5.98
Sb-d	mg/L	0.00207	0.00204	1.46	0.00748	0.00737	1.48	0.00825	0.00711	14.84	0.0114	0.012	5.13	0.00094	0.00084	-	<0.00005	<0.00005	-
As-d	mg/L	0.000188	0.000219	-	0.000154	0.000197	-	0.00064	0.00056	-	0.00103	0.00108	-	<0.0005	<0.0005	-	0.00263	0.00255	3.09
Ba-d	mg/L	0.0211	0.0209	-	0.0219	0.0217	-	0.0272	0.0322	16.84	0.028	0.0281	0.36	0.0294	0.0305	3.67	0.0195	0.0161	-
Be-d	mg/L	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	0.00116	0.00122	5.04
Bi-d	mg/L	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.00001	<0.00001	-
B-d	mg/L	0.0425	0.0423	0.47	0.0375	0.0392	4.43	0.0691	0.0654	5.50	0.0709	0.0769	8.12	<0.05	<0.05	-	0.0149	0.0177	-
Cd-d	mg/L	0.0000511	0.0000502	1.78	0.0000587	0.0000607	3.35	0.000206	0.000158	26.37	0.000249	0.000255	2.38	0.000526	0.00061	14.79	0.14	0.139	0.72
Ca-d	mg/L	135	138	2.20	113	109	3.60	123	129	4.76	123	127	3.20	127	129	1.56	348	346	0.58
Cr-d	mg/L	0.00047	0.00035	-	0.00013	0.00019	-	0.00054	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	0.00669	0.00538	21.71
Co-d	mg/L	0.0000551	0.0000576	-	0.0000409	0.0000485	-	0.00022	0.00019	-	0.00017	0.00015	-	0.0001	0.00011	-	0.0931	0.0936	0.54
Cu-d	mg/L	0.00712	0.00713	0.14	0.00657	0.00641	2.47	0.00727	0.00738	1.50	0.00514	0.00478	7.26	0.00256	0.00255	0.39	4.13	4.15	0.48
Fe-d	mg/L	0.0029	<0.002	-	<0.002	0.0025	-	0.016	<0.01	-	0.036	<0.01	-	<0.01	<0.01	-	68.8	51.8	28.19
Pb-d	mg/L	<0.00005	<0.00005	-	0.000055	0.00009	-	0.00039	0.00038	-	0.00034	0.00022	-	<0.0002	<0.0002	-	0.00575	0.00473	19.47
Li-d	mg/L	0.00279	0.00277	0.72	0.00296	0.00281	5.20	0.0048	0.00487	1.45	0.00501	0.00514	2.56	0.00329	0.00324	1.53	0.00466	0.00407	13.52
Mg-d	mg/L	7.97	8.11	1.74	10.5	10.5	0.00	12.9	13.5	4.55	11.8	12	1.68	4.6	4.7	2.15	90.8	91.4	0.66
Mn-d	mg/L	0.0186	0.0187	0.54	0.013	0.0125	3.92	0.0205	0.0715	110.87	0.0356	0.0344	3.43	0.0553	0.0556	0.54	14.7	14.5	1.37
Mo-d	mg/L	0.00234	0.00237	1.27	0.00567	0.00558	-	0.0102	0.00907	11.73	0.0131	0.0135	3.01	0.00121	0.00116	4.22	<0.00001	<0.00001	-
Ni-d	mg/L	0.000322	0.000276	-	0.000254	0.000354	-	0.00155	0.00058	-	0.00073	0.00048	-	<0.0004	<0.0004	-	0.119	0.116	2.55
P-d	mg/L	<0.01	<0.01	-	<0.01	<0.01	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.01	<0.01	-
K-d	mg/L	6.7	6.88	2.65	5.93	5.9	0.51	8.97	8.21	8.85	11	11.5	4.44	2.86	2.91	1.73	1.04	1.08	3.77
Se-d	mg/L	0.00101	0.00094	-	0.00079	0.00068	-	0.00238	0.00293	-	0.00302	0.00307	1.64	0.00142	0.00132	-	0.00043	0.00041	-
Si-d	mg/L	2.08	2.17	-	3.02	2.84	-	3.1	3.3	-	3.1	3.2	-	<1	<1	-	19.3	19.3	0.00
Ag-d	mg/L	<0.00001	<0.00001	-	<0.00001	0.000011	-	<0.00005	0.000098	-	0.000111	0.000109	-	<0.00005	<0.00005	-	0.000027	0.000019	-
Na-d	mg/L	14.2	14.6	2.78	8.3	8.26	0.48	21.7	21.5	0.93	24.1	24.5	1.65	7.42	7.49	0.94	6.65	6.92	3.98
Sr-d	mg/L	0.358	0.365	1.94	0.433	0.418	3.53	0.472	0.482	2.10	0.443	0.454	2.45	0.263	0.268	1.88	0.708	0.721	1.82
S-d	mg/L	135	139	2.92	113	111	1.79	142	137	3.58	139	146	4.91	114	116	1.74	525	509	3.09
Te-d	mg/L	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	<0.0005	-	0.000056	-	-
Tl-d	mg/L	0.0000263	0.0000258	-	0.0000166	0.0000173	-	0.000043	0.000047	-	0.000044	0.000047	-	0.000032	0.000033	-	0.0000447	0.0000371	-
Th-d	mg/L	<0.00001	<0.00001	-	<0.00001	<0.00001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	0.000198	0.000145	-
Sn-d	mg/L	<0.00005	<0.00005	-	<0.00005	0.00664	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	0.00024	-	<0.00005	<0.00005	-
Ti-d	mg/L	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	-	0.00291	0.00223	-
W-d	mg/L	<0.0002	0.00021	-	0.00028	0.00028	-	<0.001	<0.001	-	<0.001	0.001	-	<0.001	<0.001	-	<0.0002	<0.0002	-
U-d	mg/L	0.0000202	0.0000185	-	0.0000124	0.0000125	-	0.000026	0.000029	-	0.000026	0.000028	-	0.000033	0.00003	-	0.00102	0.000821	21.62
V-d	mg/L	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	0.00187	0.00143	-
Zn-d	mg/L	0.0042	0.0045	-	0.0059	0.0217	-	0.0526	0.0244	73.25	0.0586	0.0563	4.00	0.0278	0.0156	-	48.8	48.7	0.21
Zr-d	mg/L	<0.00002	<0.00002	-	<0.00002	<0.00002	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	0.000113	0.000092	-
Silica.Reactive	mg/L																		

Parameter	Unit	PR-13L 21-Jan-21			PR-13L 14-Apr-21			PR-13L 15-Sep-21			Thelwood Creek 14-Apr-21		
		Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%
pH	pH Unit	7.94	7.94	0.00	7.64	7.57	0.92	7.80	7.83	0.38	-	-	-
Conductivity	uS/cm	244	245	0.41	268	272	1.48	235	236	0.42	60.9	58.2	4.53
Hardness-t	mg/L	122	109	11.26	120	120	0.00	111	109	1.82	29	28.1	3.15
Turbidity	NTU	-	-	-	-	-	-	-	-	-	-	-	-
TSS	mg/L	23.6	-	-	12.4	14.2	13.53	7.8	7	-	-	-	-
Alkalinity.Bicarbonate	mg/L	115	118	2.58	84.3	114	29.95	117	118	0.85	33.4	31.7	5.22
Alkalinity.Carbonate	mg/L	<1	<1	-	<1	<1	-	<1	<1	-	<1	<1	-
Alkalinity.Hydroxide	mg/L	<1	<1	-	<1	<1	-	<1	<1	-	<1	<1	-
Alkalinity-t.4.5	mg/L	115	118	2.58	84.3	114	29.95	117	118	0.85	33.4	31.7	5.22
Chloride	mg/L	-	-	-	0.93	0.92	1.08	0.89	0.89	0.00	0.95	0.96	1.05
Fluoride	mg/L	-	-	-	<0.1	<0.1	-	0.13	0.13	-	-	-	-
Sulphate	mg/L	-	-	-	23	23.1	0.43	25.2	25.3	0.40	1.3	1.3	-
Total.Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate.Nitrite	mg/L	-	-	-	-	-	-	-	-	-	0.0633	0.0716	-
Nitrate	mg/L	-	-	-	-	-	-	-	-	-	0.063	0.072	13.33
Nitrite	mg/L	-	-	-	-	-	-	-	-	-	<0.01	<0.01	-
Ammonia.Un-Ionized (asN)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-
Total.Phosphorus	mg/L	-	-	-	-	-	-	-	-	-	-	-	-
Al-t	mg/L	0.491	0.168	98.03	0.315	0.425	29.73	0.121	0.147	19.40	0.0325	0.0366	11.87
Sb-t	mg/L	0.00413	0.0039	5.73	0.00381	0.00379	0.53	0.00448	0.00449	0.22	<0.0002	<0.0002	-
As-t	mg/L	0.00473	0.00391	18.98	0.00366	0.00359	1.93	0.00541	0.0052	3.96	<0.0005	<0.0005	-
Ba-t	mg/L	0.306	0.189	47.27	0.213	0.205	3.83	0.197	0.187	5.21	<0.005	<0.005	-
Be-t	mg/L	0.00016	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-
Bi-t	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-
B-t	mg/L	<0.05	<0.05	-	<0.05	<0.05	-	0.0836	0.0821	1.81	<0.05	<0.05	-
Cd-t	mg/L	0.00265	0.00143	59.80	0.00138	0.00129	6.74	0.00101	0.00112	10.33	<0.00001	<0.00001	-
Ca-t	mg/L	44.9	40.2	11.05	43.5	43.8	0.69	41.7	41	1.69	10.5	10.2	2.90
Cr-t	mg/L	0.00075	<0.0005	-	0.00059	0.00064	8.13	0.00052	<0.0005	-	<0.0005	<0.0005	-
Co-t	mg/L	0.00049	0.00046	-	0.00054	0.00054	0.00	0.00019	0.00017	-	<0.0001	<0.0001	-
Cu-t	mg/L	0.0129	0.00473	92.68	0.00511	0.00549	7.17	0.00738	0.00714	3.31	<0.0004	<0.0004	-
Fe-t	mg/L	0.28	0.07	120.00	0.261	0.295	12.23	0.333	0.326	2.12	<0.01	0.015	-
Pb-t	mg/L	0.14	0.0602	79.72	0.0494	0.0473	4.34	0.0388	0.0379	2.35	<0.0002	<0.0002	-
Li-t	mg/L	0.00151	0.00131	14.18	0.00168	0.00169	0.59	0.00316	0.00305	3.54	<0.0001	<0.0001	-
Mg-t	mg/L	2.37	2.21	6.99	2.65	2.63	0.76	1.6	1.59	0.63	0.685	0.658	4.02
Mn-t	mg/L	0.0711	0.0656	8.05	0.0669	0.0681	1.78	0.0225	0.0225	0.00	0.00095	0.00106	-
Mo-t	mg/L	0.00382	0.00375	1.85	0.00398	0.00412	3.46	0.00588	0.00574	2.41	0.00019	0.00023	-
Ni-t	mg/L	0.00148	0.00107	-	0.00106	0.00103	2.87	0.00169	0.001	-	<0.0004	<0.0004	-
P-t	mg/L	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-
K-t	mg/L	1.47	1.34	9.25	1.75	1.74	0.57	0.54	0.51	5.71	<0.1	<0.1	-
Se-t	mg/L	0.00164	0.00132	-	0.00128	0.00139	8.24	0.00167	0.00145	-	<0.0005	<0.0005	-
Si-t	mg/L	4.1	3.2	-	3.7	4	7.79	3	3.1	-	1.8	2	-
Ag-t	mg/L	0.000083	<0.00005	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-
Na-t	mg/L	3.74	3.57	4.65	4.93	4.84	1.84	6.49	6.38	1.71	0.86	0.87	1.16
Sr-t	mg/L	0.536	0.529	1.31	0.641	0.635	0.94	0.402	0.4	0.50	0.0122	0.0111	9.44
S-t	mg/L	9.4	7.5	-	6.7	8.6	24.84	8	8.4	-	<3	<3	-
Te-t	mg/L	<0.0005	-	-	<0.0005	-	-	<0.0005	-	-	<0.0005	-	-
Tl-t	mg/L	0.000046	0.000029	-	0.000029	0.000037	24.24	<0.00002	<0.00002	-	<0.00002	<0.00002	-

Parameter	Unit	PR-13L 21-Jan-21			PR-13L 14-Apr-21			PR-13L 15-Sep-21			Thelwood Creek 14-Apr-21		
		Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%	Regular	Replicate	RPD%
Th-t	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-
Sn-t	mg/L	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-
Ti-t	mg/L	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	-
W-t	mg/L	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-
U-t	mg/L	0.000275	0.000239	14.01	0.000199	0.000215	7.73	0.00053	0.000551	3.89	<0.00002	<0.00002	-
V-t	mg/L	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-
Zn-t	mg/L	0.595	0.32	60.11	0.337	0.329	2.40	0.183	0.181	1.10	<0.004	<0.004	-
Zr-t	mg/L	0.00073	<0.0001	-	0.00019	0.00014	30.30	<0.0001	<0.0001	-	<0.0001	<0.0001	-
Al-d	mg/L	0.0073	0.0081	-	0.0069	0.0063	9.09	0.0709	0.0142	-	0.0185	0.0245	-
Sb-d	mg/L	0.0034	0.00396	15.22	0.00355	0.00349	1.70	0.00616	0.00409	40.39	<0.0002	<0.0002	-
As-d	mg/L	0.00297	0.0031	4.28	0.00257	0.00265	3.07	0.00675	0.00383	55.20	<0.0005	<0.0005	-
Ba-d	mg/L	0.0847	0.093	9.34	0.0882	0.0865	1.95	0.214	0.103	70.03	<0.005	<0.005	-
Be-d	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-
Bi-d	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-
B-d	mg/L	<0.05	<0.05	-	0.0593	0.0516	13.89	0.105	0.0721	37.15	<0.05	<0.05	-
Cd-d	mg/L	0.000938	0.0011	15.90	0.000992	0.000997	0.50	0.00125	0.000737	51.64	<0.00001	<0.00001	-
Ca-d	mg/L	36.1	38.7	6.95	41.3	41.2	0.24	63.2	44.1	35.60	11.5	10.2	11.98
Cr-d	mg/L	0.00067	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-
Co-d	mg/L	0.00044	0.00047	-	0.00041	0.00043	4.76	0.00019	0.00024	-	<0.0001	<0.0001	-
Cu-d	mg/L	0.00096	0.00129	-	0.00178	0.00189	5.99	0.0063	0.00226	94.39	<0.0004	<0.0004	-
Fe-d	mg/L	<0.01	0.045	-	<0.01	<0.01	-	0.218	0.033	-	<0.01	<0.01	-
Pb-d	mg/L	0.0116	0.0128	9.84	0.0219	0.0216	1.38	0.0293	0.00394	152.59	<0.0002	<0.0002	-
Li-d	mg/L	0.00109	0.00114	4.48	0.00158	0.00154	2.56	0.0041	0.00274	39.77	<0.0001	<0.0001	-
Mg-d	mg/L	2.01	1.89	6.15	2.14	2.17	1.39	2.43	1.64	38.82	0.76	0.636	17.77
Mn-d	mg/L	0.0592	0.0661	11.01	0.0557	0.0558	0.18	0.0295	0.0183	46.86	0.00053	0.00058	-
Mo-d	mg/L	0.00351	0.00404	14.04	0.00414	0.00393	5.20	0.00891	0.00612	37.13	0.00016	0.00017	-
Ni-d	mg/L	0.00114	0.00061	-	0.00066	0.00073	10.07	0.00101	0.00163	-	<0.0004	<0.0004	-
P-d	mg/L	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-
K-d	mg/L	1.13	1.08	4.52	1.49	1.45	2.72	0.72	0.46	-	<0.1	<0.1	-
Se-d	mg/L	0.00165	0.00149	-	0.00126	0.00105	18.18	0.00203	0.00147	-	<0.0005	<0.0005	-
Si-d	mg/L	2.8	2.6	-	2.7	3	10.53	4.2	2.9	-	2	1.8	-
Ag-d	mg/L	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-	<0.00005	<0.00005	-
Na-d	mg/L	3.46	3.18	8.43	4.67	4.69	0.43	9.84	6.56	40.00	0.82	0.82	0.00
Sr-d	mg/L	0.472	0.538	13.07	0.607	0.613	0.98	0.606	0.397	41.67	0.0117	0.0111	5.26
S-d	mg/L	5.6	6	-	6.1	7.4	19.26	12.4	8.1	-	<3	<3	-
Te-d	mg/L	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-	<0.0005	<0.0005	-
Tl-d	mg/L	0.000024	0.000027	-	0.000024	0.000023	4.26	<0.00002	<0.00002	-	<0.00002	<0.00002	-
Th-d	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-
Sn-d	mg/L	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-	<0.0002	<0.0002	-
Ti-d	mg/L	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	-
W-d	mg/L	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-
U-d	mg/L	0.000184	0.000207	11.76	0.000179	0.000179	0.00	0.000728	0.000468	43.48	<0.00002	<0.00002	-
V-d	mg/L	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-	<0.001	<0.001	-
Zn-d	mg/L	0.243	0.259	6.37	0.232	0.235	1.28	0.217	0.127	52.33	<0.004	<0.004	-
Zr-d	mg/L	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-	<0.0001	<0.0001	-
Silica.Reactive	mg/L												

Appendix H.

Suspect Daily Samples at MC-TP4 (2021)

Work Order	Lab ID	Station (Lab Report)	Station (Monitoring Plan)	Date	Ratio, Zn-d/Zn-t
B748278	RH6229	MC-TP4 DC	MC-TP4-DC	11-Jun-17	0.9
B748387	RH6942	MC-TP4 DC	MC-TP4-DC	13-Jun-17	0.87
B750767	RJ0252	MC-TP4 DC	MC-TP4-DC	16-Jun-17	0.84
B753573	RK6021	MC-TP4 DC	MC-TP4-DC	21-Jun-17	0.9
B753573	RK6022	MC-TP4 DC	MC-TP4-DC	22-Jun-17	0.89
B753573	RK6023	MC-TP4 DC	MC-TP4-DC	23-Jun-17	0.83
B753574	RK6024	MC-TP4 DC	MC-TP4-DC	24-Jun-17	0.77
B753574	RK6025	MC-TP4 DC	MC-TP4-DC	25-Jun-17	0.81
B753574	RK6028	MC-TP4-WC	MC-TP4-DC	27-Jun-17	0.78
B763919	RQ1735	MC-TP4 DC	MC-TP4-DC	12-Jul-17	0.89
B763919	RQ1736	MC-TP4 DC	MC-TP4-DC	13-Jul-17	0.88
B763919	RQ1740	MC-TP4 DC	MC-TP4-DC	17-Jul-17	0.9
B766393	RR5533	MC-TP4 DC	MC-TP4-DC	26-Jul-17	0.86
B766393	RR5534	MC-TP4 DC	MC-TP4-DC	27-Jul-17	0.8
B766393	RR5535	MC-TP4 DC	MC-TP4-DC	28-Jul-17	0.86
B766393	RR5536	MC-TP4 DC	MC-TP4-DC	29-Jul-17	0.84
B766393	RR5537	MC-TP4 DC	MC-TP4-DC	30-Jul-17	0.83
B766393	RR5538	MC-TP4 DC	MC-TP4-DC	31-Jul-17	0.84
B766393	RR5539	MC-TP4 DC	MC-TP4-DC	1-Aug-17	0.86
B773875	RV6869	MC-TP4 DC	MC-TP4-DC	21-Aug-17	0.89
B775103	RW3973	MC-TP4 DC	MC-TP4-DC	23-Aug-17	0.82
B775103	RW3975	MC-TP4 DC	MC-TP4-DC	25-Aug-17	0.87
B775103	RW3976	MC-TP4 DC	MC-TP4-DC	26-Aug-17	0.85
B775103	RW3977	MC-TP4 DC	MC-TP4-DC	27-Aug-17	0.85
B775103	RW3979	MC-TP4 DC	MC-TP4-DC	29-Aug-17	0.88
B780320	RZ4634	MC-TP4 DC	MC-TP4-DC	6-Sep-17	0.89
B780320	RZ4640	MC-TP4 DC	MC-TP4-DC	12-Sep-17	1.12
B782307	SA5199	MC-TP4 DC	MC-TP4-DC	15-Sep-17	0.9
B782307	SA5200	MC-TP4 DC	MC-TP4-DC	16-Sep-17	0.88
B782307	SA5203	MC-TP4 DC	MC-TP4-DC	19-Sep-17	0.88
B785070	SC0027	MC-TP4 DC	MC-TP4-DC	22-Sep-17	0.87
B785070	SC0028	MC-TP4 DC	MC-TP4-DC	23-Sep-17	0.88
B785070	SC0029	MC-TP4 DC	MC-TP4-DC	24-Sep-17	0.88
B785070	SC0030	MC-TP4 DC	MC-TP4-DC	25-Sep-17	0.85
B788505	SE1130	MC-TP4 DC	MC-TP4-DC	27-Sep-17	0.89
B788505	SE1136	MC-TP4 DC	MC-TP4-DC	2-Oct-17	0.86
B790026	SF0479	MC-TP4 DC	MC-TP4-DC	4-Oct-17	0.89
B790026	SF0481	MC-TP4 DC	MC-TP4-DC	6-Oct-17	0.88
B790026	SF0483	MC-TP4 DC	MC-TP4-DC	8-Oct-17	0.88
B793757	SH4673	MC-TP4 DC	MC-TP4-DC	11-Oct-17	0.88
B793757	SH4674	MC-TP4 DC	MC-TP4-DC	12-Oct-17	0.9
B793757	SH4675	MC-TP4 DC	MC-TP4-DC	13-Oct-17	0.88
B793757	SH4677	MC-TP4 DC	MC-TP4-DC	15-Oct-17	0.89
B793757	SH4678	MC-TP4 DC	MC-TP4-DC	16-Oct-17	0.81
B796603	SJ1244	MC-TP4 DC	MC-TP4-DC	24-Oct-17	0.86
B798633	SK5019	MC-TP4 DC	MC-TP4-DC	25-Oct-17	1.17
B798633	SK5012	MC-TP4 DC	MC-TP4-DC	26-Oct-17	1.23
B7A2961	SN0483	MC-TP4 DC	MC-TP4-DC	8-Nov-17	1.12
B7A2961	SN0486	MC-TP4 DC	MC-TP4-DC	11-Nov-17	0.6
B7A2961	SN0487	MC-TP4 DC	MC-TP4-DC	12-Nov-17	0.44
B7A2961	SN0488	MC-TP4 DC	MC-TP4-DC	13-Nov-17	0.78
B7A2961	SN0489	MC-TP4 DC	MC-TP4-DC	14-Nov-17	0.84

Work Order	Lab ID	Station (Lab Report)	Station (Monitoring Plan)	Date	Ratio, Zn-d/Zn-t
B7A6768	SP1218	MC-TP4 DC	MC-TP4-DC	15-Nov-17	0.82
B7A6768	SP1220	MC-TP4 DC	MC-TP4-DC	17-Nov-17	0.87
B7A6768	SP1221	MC-TP4 DC	MC-TP4-DC	18-Nov-17	0.88
B7A6768	SP1222	MC-TP4 DC	MC-TP4-DC	19-Nov-17	0.85
B7A9061	SQ3698	MC-TP4 DC	MC-TP4-DC	29-Nov-17	0.85
B7A9061	SQ3703	MC-TP4 DC	MC-TP4-DC	4-Dec-17	0.9
B7B1210	SR5381	MC-TP4 DC	MC-TP4-DC	7-Dec-17	1.33
B801061	ST6304	MC-TP4 DC	MC-TP4-DC	13-Dec-17	1.31
B801061	ST6305	MC-TP4 DC	MC-TP4-DC	14-Dec-17	1.14
B805058	SV6275	MC-TP4 DC	MC-TP4-DC	12-Jan-18	0.85
B805058	SV6277	MC-TP4 DC	MC-TP4-DC	14-Jan-18	0.84
B805058	SV6278	MC-TP4 DC	MC-TP4-DC	15-Jan-18	0.78
B805058	SV6279	MC-TP4 DC	MC-TP4-DC	16-Jan-18	0.87
B805278	SV7253	MC-TP4 DC	MC-TP4-DC	17-Jan-18	0.84
B805278	SV7256	MC-TP4 DC	MC-TP4-DC	20-Jan-18	0.88
B805278	SV7257	MC-TP4 DC	MC-TP4-DC	21-Jan-18	0.9
B806438	SW2760	MC-TP4 DC	MC-TP4-DC	22-Jan-18	0.84
B806438	SW2761	MC-TP4 DC	MC-TP4-DC	23-Jan-18	0.9
B815769	TA8600	MC-TP4 DC	MC-TP4-DC	22-Feb-18	0.87
B815769	TA8601	MC-TP4 DC	MC-TP4-DC	23-Feb-18	0.87
B815769	TA8602	MC-TP4 DC	MC-TP4-DC	24-Feb-18	0.85
B815769	TA8603	MC-TP4 DC	MC-TP4-DC	25-Feb-18	0.86
B815769	TA8604	MC-TP4 DC	MC-TP4-DC	26-Feb-18	0.8
B815769	TA8605	MC-TP4 DC	MC-TP4-DC	27-Feb-18	0.82
B825474	TF6172	MC-TP4 DC	MC-TP4-DC	29-Mar-18	1.1
B825474	TF6174	MC-TP4 DC	MC-TP4-DC	31-Mar-18	0.89
B825474	TF6176	MC-TP4 DC	MC-TP4-DC	2-Apr-18	0.9
B831541	TI3412	MP-TP4-DC	MC-TP4-DC	22-Apr-18	0.83
B835975	TK3972	MC-TP4 DC	MC-TP4-DC	8-May-18	0.88
B843202	TO2588	MC-TP4 DC	MC-TP4-DC	26-May-18	1.68
B843202	TO2589	MC-TP4 DC	MC-TP4-DC	27-May-18	1.45
B843202	TO2590	MC-TP4 DC	MC-TP4-DC	28-May-18	2.39
B843202	TO2592	MC-TP4 DC	MC-TP4-DC	29-May-18	1.16
8121481	20	MC-TP4 DC	MC-TP4-DC	3-Dec-18	0.07
8121925	8	MC-TP4-DC	MC-TP4-DC	12-Dec-18	0.84
8121925	13	MC-TP4-DC	MC-TP4-DC	17-Dec-18	0.89
9010108	9	MC-TP4 DC	MC-TP4-DC	20-Dec-18	0.9
9010108	10	MC-TP4 DC	MC-TP4-DC	21-Dec-18	0.89
9010108	13	MC-TP4 DC	MC-TP4-DC	24-Dec-18	0.87
9010108	14	MC-TP4 DC	MC-TP4-DC	25-Dec-18	0.89
9010109	11	MC-TP4 DC	MC-TP4-DC	29-Dec-18	0.89
9010109	12	MC-TP4 DC	MC-TP4-DC	30-Dec-18	0.49
9020026	10	MC-TP4 DC	MC-TP4-DC	23-Jan-19	0.88
9020026	12	MC-TP4 DC	MC-TP4-DC	25-Jan-19	0.85
9020026	14	MC-TP4 DC	MC-TP4-DC	27-Jan-19	0.88
9020026	15	MC-TP4 DC	MC-TP4-DC	28-Jan-19	0.83
9020026	16	MC-TP4 DC	MC-TP4-DC	29-Jan-19	0.86
9020637	9	MC-TP4 DC	MC-TP4-DC	1-Feb-19	1.13
9020981	15	MC-TP4 DC	MC-TP4-DC	12-Feb-19	1.24
9021528	12	MC-TP4 DC	MC-TP4-DC	17-Feb-19	1.13
9021528	13	MC-TP4 DC	MC-TP4-DC	18-Feb-19	1.21
9031303	14	MC-TP4 DC	MC-TP4-DC	11-Mar-19	0.86
9040002	8	MC-TP4 DC	MC-TP4-DC	20-Mar-19	0.88

Work Order	Lab ID	Station (Lab Report)	Station (Monitoring Plan)	Date	Ratio, Zn-d/Zn-t
9040002	13	MC-TP4 DC	MC-TP4-DC	25-Mar-19	0.9
9040524	11	MC-TP4 DC	MC-TP4-DC	30-Mar-19	0.88
9040524	12	MC-TP4 DC	MC-TP4-DC	31-Mar-19	0.9
9041211	8	MC-TP4 DC	MC-TP4-DC	3-Apr-19	0.87
9041211	10	MC-TP4 DC	MC-TP4-DC	5-Apr-19	0.89
9041211	11	MC-TP4 DC	MC-TP4-DC	6-Apr-19	0.81
9041211	14	MC-TP4 DC	MC-TP4-DC	9-Apr-19	0.9
9042493	10	MC-TP4 DC	MC-TP4-DC	19-Apr-19	1.13
9050284	9	MC-TP4 DC	MC-TP4-DC	25-Apr-19	1.24
9050284	10	MC-TP4 DC	MC-TP4-DC	26-Apr-19	0.86
9050284	11	MC-TP4 DC	MC-TP4-DC	27-Apr-19	0.83
9050284	12	MC-TP4 DC	MC-TP4-DC	28-Apr-19	0.69
9050998	11	MC-TP4 DC	MC-TP4-DC	4-May-19	0.9
9051617	13	MC-TP4 DC	MC-TP4-DC	13-May-19	1.11
9052956	8	MC-TP4 DC	MC-TP4-DC	22-May-19	0.82
9052956	11	MC-TP4 DC	MC-TP4-DC	25-May-19	0.89
9052956	12	MC-TP4 DC	MC-TP4-DC	26-May-19	0.86
9052956	13	MC-TP4 DC	MC-TP4-DC	27-May-19	0.79
9052956	14	MC-TP4 DC	MC-TP4-DC	28-May-19	0.87
9061273	7	MC-TP4 DC	MC-TP4-DC	10-Jun-19	0.86
9061273	8	MC-TP4 DC	MC-TP4-DC	11-Jun-19	0.86
9063045	16	MC-TP4 DC	MC-TP4-DC	13-Jun-19	0.8
9062060	11	MC-TP4 DC	MC-TP4-DC	15-Jun-19	0.85
9063045	8	MC-TP4 DC	MC-TP4-DC	19-Jun-19	0.88
9063045	9	MC-TP4 DC	MC-TP4-DC	20-Jun-19	0.82
9063045	11	MC-TP4 DC	MC-TP4-DC	22-Jun-19	0.89
9063045	12	MC-TP4 DC	MC-TP4-DC	23-Jun-19	0.89
9063045	13	MC-TP4 DC	MC-TP4-DC	24-Jun-19	0.89
9070599	10	MC-TP4 DC	MC-TP4-DC	28-Jun-19	0.89
9070599	12	MC-TP4 DC	MC-TP4-DC	30-Jun-19	0.88
9070599	13	MC-TP4 DC	MC-TP4-DC	1-Jul-19	0.88
9071199	14	MC-TP4 DC	MC-TP4-DC	9-Jul-19	0.9
9072064	8	MC-TP4 DC	MC-TP4-DC	10-Jul-19	0.86
9072064	11	MC-TP4 DC	MC-TP4-DC	13-Jul-19	0.87
9072064	12	MC-TP4 DC	MC-TP4-DC	14-Jul-19	0.88
9072064	13	MC-TP4 DC	MC-TP4-DC	15-Jul-19	0.84
9072064	14	MC-TP4 DC	MC-TP4-DC	16-Jul-19	0.81
9072713	8	MC-TP4 DC	MC-TP4-DC	17-Jul-19	0.85
9072713	9	MC-TP4 DC	MC-TP4-DC	18-Jul-19	0.84
9072713	10	MC-TP4 DC	MC-TP4-DC	19-Jul-19	0.8
9072713	11	MC-TP4 DC	MC-TP4-DC	20-Jul-19	0.83
9072713	12	MC-TP4 DC	MC-TP4-DC	21-Jul-19	0.87
9072713	13	MC-TP4 DC	MC-TP4-DC	22-Jul-19	0.85
9072713	14	MC-TP4 DC	MC-TP4-DC	23-Jul-19	0.85
9080186	13	MC-TP4 DC	MC-TP4-DC	29-Jul-19	0.9
9091408	13	MC-TP4 DC	MC-TP4-DC	9-Sep-19	0.75
9091408	14	MC-TP4 DC	MC-TP4-DC	10-Sep-19	0.85
9092147	8	MP-TP4 DC	MC-TP4-DC	11-Sep-19	0.88
9092147	9	MP-TP4 DC	MC-TP4-DC	12-Sep-19	0.89
9092147	10	MP-TP4 DC	MC-TP4-DC	13-Sep-19	0.82
9092147	11	MP-TP4 DC	MC-TP4-DC	14-Sep-19	0.77
9092147	12	MP-TP4 DC	MC-TP4-DC	15-Sep-19	0.74
9092147	13	MP-TP4 DC	MC-TP4-DC	16-Sep-19	0.78

Work Order	Lab ID	Station (Lab Report)	Station (Monitoring Plan)	Date	Ratio, Zn-d/Zn-t
9092147	14	MP-TP4 DC	MC-TP4-DC	17-Sep-19	0.75
9100001	8	MP-TP4 DC	MC-TP4-DC	18-Sep-19	0.89
9100001	9	MP-TP4 DC	MC-TP4-DC	19-Sep-19	0.82
9100001	11	MP-TP4 DC	MC-TP4-DC	21-Sep-19	0.58
9100001	12	MP-TP4 DC	MC-TP4-DC	22-Sep-19	0.65
9100001	13	MP-TP4 DC	MC-TP4-DC	23-Sep-19	0.49
9100001	14	MP-TP4 DC	MC-TP4-DC	24-Sep-19	0.48
9100607	8	MP-TP4 DC	MC-TP4-DC	25-Sep-19	0.89
9100607	11	MP-TP4 DC	MC-TP4-DC	28-Sep-19	0.88
9100607	13	MP-TP4 DC	MC-TP4-DC	30-Sep-19	0.84
9100607	14	MP-TP4 DC	MC-TP4-DC	1-Oct-19	0.8
9101242	11	MP-TP4 DC	MC-TP4-DC	5-Oct-19	0.87
9101242	12	MP-TP4 DC	MC-TP4-DC	6-Oct-19	0.88
9101894	13	MP-TP4 DC	MC-TP4-DC	14-Oct-19	0.72
N000265	8	MP-TP4 DC	MC-TP4-DC	23-Oct-19	0.81
N000265	11	MP-TP4 DC	MC-TP4-DC	26-Oct-19	0.85
N000265	12	MP-TP4 DC	MC-TP4-DC	27-Oct-19	0.82
N000265	14	MP-TP4 DC	MC-TP4-DC	29-Oct-19	1.19
N001482	10	MP-TP4 DC	MC-TP4-DC	1-Nov-19	0.9
9110513	11	MC-TP4 DC	MC-TP4-DC	16-Nov-19	0.89
9120589	8	MC-TP4 DC	MC-TP4-DC	27-Nov-19	0.84
9120589	9	MC-TP4 DC	MC-TP4-DC	28-Nov-19	0.83
9120589	11	MC-TP4 DC	MC-TP4-DC	30-Nov-19	0.89
9120589	12	MC-TP4 DC	MC-TP4-DC	1-Dec-19	0.89
9121480	14	MP-TP4 DC	MC-TP4-DC	10-Dec-19	0.89
9121934	8	MP-TP4 DC	MC-TP4-DC	11-Dec-19	0.67
9121934	9	MP-TP4 DC	MC-TP4-DC	12-Dec-19	0.82
9121934	10	MP-TP4 DC	MC-TP4-DC	13-Dec-19	0.86
9121934	11	MP-TP4 DC	MC-TP4-DC	14-Dec-19	0.66
9121934	12	MP-TP4 DC	MC-TP4-DC	15-Dec-19	0.31
9121934	13	MP-TP4 DC	MC-TP4-DC	16-Dec-19	0.23
9121934	14	MP-TP4 DC	MC-TP4-DC	17-Dec-19	0.1
10574	30	MP-TP4 DC	MC-TP4-DC	26-Dec-19	0.89
10574	39	MP-TP4 DC	MC-TP4-DC	4-Jan-20	0.89
21526	13	MP-TP4 DC	MC-TP4-DC	9-Feb-20	2.43
21526	14	MP-TP4 DC	MC-TP4-DC	10-Feb-20	0.36
30655	2	MC-TP4 DC (E206805)	MC-TP4-DC	21-Feb-20	0.88
30655	3	MC-TP4 DC (E206805)	MC-TP4-DC	22-Feb-20	0.88
30655	4	MC-TP4 DC (E206805)	MC-TP4-DC	23-Feb-20	0.87
30655	5	MC-TP4 DC (E206805)	MC-TP4-DC	24-Feb-20	0.88
30655	7	MC-TP4 DC (E206805)	MC-TP4-DC	26-Feb-20	0.89
30655	8	MC-TP4 DC (E206805)	MC-TP4-DC	27-Feb-20	0.88
30655	9	MC-TP4 DC (E206805)	MC-TP4-DC	28-Feb-20	0.87
30655	10	MC-TP4 DC (E206805)	MC-TP4-DC	29-Feb-20	0.85
30655	11	MC-TP4 DC (E206805)	MC-TP4-DC	1-Mar-20	0.87
30655	12	MC-TP4 DC (E206805)	MC-TP4-DC	2-Mar-20	0.88
30655	13	MC-TP4 DC (E206805)	MC-TP4-DC	3-Mar-20	0.86
41862	4	MC-TP4 DC	MC-TP4-DC	29-Mar-20	1.15
50781	12	MC-TP4 DC (E206805)	MC-TP4-DC	25-Apr-20	0.9
50781	21	MC-TP4 DC (E206805)	MC-TP4-DC	4-May-20	0.57
60773	22	MC-TP4 DC (E206805)	MC-TP4-DC	18-May-20	0.89
60773	23	MC-TP4 DC (E206805)	MC-TP4-DC	19-May-20	0.86
62121	17	MC-TP4 DC (E206805)	MC-TP4-DC	7-Jun-20	1.83

Work Order	Lab ID	Station (Lab Report)	Station (Monitoring Plan)	Date	Ratio, Zn-d/Zn-t
70356	9	MC-TP4 DC (E206805)	MC-TP4-DC	21-Jun-20	0.87
70356	10	MC-TP4 DC (E206805)	MC-TP4-DC	22-Jun-20	0.89
90692	7	MC-TP4 DC (E206805)	MC-TP4-DC	19-Jul-20	0.9
90692	8	MC-TP4 DC (E206805)	MC-TP4-DC	20-Jul-20	0.88
90692	10	MC-TP4 DC (E206805)	MC-TP4-DC	22-Jul-20	0.89
90692	11	MC-TP4 DC (E206805)	MC-TP4-DC	23-Jul-20	0.89
90692	12	MC-TP4 DC (E206805)	MC-TP4-DC	24-Jul-20	0.89
90692	20	MC-TP4 DC (E206805)	MC-TP4-DC	25-Jul-20	0.88
90692	21	MC-TP4 DC (E206805)	MC-TP4-DC	26-Jul-20	0.89
90692	22	MC-TP4 DC (E206805)	MC-TP4-DC	27-Jul-20	0.89
90692	29	MC-TP4 DC (E206805)	MC-TP4-DC	3-Aug-20	0.82
90692	31	MC-TP4 DC (E206805)	MC-TP4-DC	5-Aug-20	1.39
90692	32	MC-TP4 DC (E206805)	MC-TP4-DC	6-Aug-20	1.71
92876	32	MC-TP4 DC (E206805)	MC-TP4-DC	1-Sep-20	1.25
20J1077	37	MC-TP4 DC (E206805)	MC-TP4-DC	14-Sep-20	1.33
20J1077	42	MC-TP4 DC (E206805)	MC-TP4-DC	19-Sep-20	0.8
20J1374	1	MC-TP4 DC (E206805)	MC-TP4-DC	20-Sep-20	0.87
20J1374	2	MC-TP4 DC (E206805)	MC-TP4-DC	21-Sep-20	0.89
20J1374	4	MC-TP4 DC (E206805)	MC-TP4-DC	23-Sep-20	0.88
20J1374	6	MC-TP4 DC (E206805)	MC-TP4-DC	25-Sep-20	0.84
20J1374	7	MC-TP4 DC (E206805)	MC-TP4-DC	26-Sep-20	0.83
20J1374	8	MC-TP4 DC (E206805)	MC-TP4-DC	27-Sep-20	0.89
20J1374	9	MC-TP4 DC (E206805)	MC-TP4-DC	28-Sep-20	0.86
20J1374	10	MC-TP4 DC (E206805)	MC-TP4-DC	29-Sep-20	0.89
20J3229	9	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	9-Oct-20	0.73
20J3229	10	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	10-Oct-20	0.85
20J3229	11	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	11-Oct-20	0.7
20L0076	3	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	17-Oct-20	0.82
20L0076	4	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	18-Oct-20	0.85
20L0076	5	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	19-Oct-20	0.8
20L0076	6	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	20-Oct-20	0.69
20L0076	8	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	22-Oct-20	0.77
20L0076	11	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	25-Oct-20	0.8
20L0076	14	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	28-Oct-20	0.85
20L0076	15	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	29-Oct-20	0.87
20L0076	16	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	30-Oct-20	0.88
20L0076	17	MC-TP4 DC (EMS ID E206805)	MC-TP4-DC	31-Oct-20	0.77
20K2578	2	MC-TP4 DC (E206805)	MC-TP4-DC	2-Nov-20	0.88
20K2578	8	MC-TP4 DC (E206805)	MC-TP4-DC	8-Nov-20	1.85
20K2578	13	MC-TP4 DC (E206805)	MC-TP4-DC	13-Nov-20	0.89
20K2578	16	MC-TP4 DC (E206805)	MC-TP4-DC	16-Nov-20	0.87
20L0372	1	MC-TP4 DC (ID E206805)	MC-TP4-DC	21-Nov-20	0.87
20L1458	3	MC-TP4 DC (ID E206805)	MC-TP4-DC	10-Dec-20	0.85
20L2653	2	MC-TP4 DC (IDE206805)	MC-TP4-DC	12-Dec-20	0.86
21A2360	1	MC-TP4 DC (ID E206805)	MC-TP4-DC	29-Dec-20	0.85
21A2360	4	MC-TP4 DC (ID E206805)	MC-TP4-DC	3-Jan-21	0.86
21A2360	5	MC-TP4 DC (ID E206805)	MC-TP4-DC	4-Jan-21	0.89
21A2360	9	MC-TP4 DC (ID E206805)	MC-TP4-DC	8-Jan-21	0.9
21A2360	13	MC-TP4 DC (ID E206805)	MC-TP4-DC	12-Jan-21	0.88
21A2360	21	MC-TP4 DC (ID E206805)	MC-TP4-DC	20-Jan-21	0.88

Work Order	Lab ID	Station (Lab Report)	Station (Monitoring Plan)	Date	Ratio, Zn-d/Zn-t
21I3576	5	MC-TP4 DC (E206805)	MC-TP4-DC	18-Sep-2021	0.44
21I3576	5	MC-TP4 DC (E206805)	MC-TP4-DC	18-Sep-2021	0.44
21I3576	6	MC-TP4 DC (E206805)	MC-TP4-DC	19-Sep-2021	0.45
21I3576	6	MC-TP4 DC (E206805)	MC-TP4-DC	19-Sep-2021	0.45
21J3987	3	MC-TP4 DC (E206805)	MC-TP4-DC	21-Oct-2021	0.61
21J3987	3	MC-TP4 DC (E206805)	MC-TP4-DC	21-Oct-2021	0.61
21F2541	4	MP-TP4 DC (E206805)	MC-TP4-DC	12-Jun-2021	0.66
21F2541	4	MP-TP4 DC (E206805)	MC-TP4-DC	12-Jun-2021	0.66
21I3576	7	MC-TP4 DC (E206805)	MC-TP4-DC	20-Sep-2021	0.70
21I3576	7	MC-TP4 DC (E206805)	MC-TP4-DC	20-Sep-2021	0.70
21L2318	1	MC-TP4 DC (E206805)	MC-TP4-DC	7-Dec-2021	0.76
21L2318	1	MC-TP4 DC (E206805)	MC-TP4-DC	7-Dec-2021	0.76
21G2915	7	MP-TP4 DC (E206805)	MC-TP4-DC	20-Jul-2021	0.76
21G2915	7	MP-TP4 DC (E206805)	MC-TP4-DC	20-Jul-2021	0.76
21G2915	4	MP-TP4 DC (E206805)	MC-TP4-DC	17-Jul-2021	0.76
21G2915	4	MP-TP4 DC (E206805)	MC-TP4-DC	17-Jul-2021	0.76
21G2915	2	MP-TP4 DC (E206805)	MC-TP4-DC	15-Jul-2021	0.78
21G2915	2	MP-TP4 DC (E206805)	MC-TP4-DC	15-Jul-2021	0.78
21G2915	6	MP-TP4 DC (E206805)	MC-TP4-DC	19-Jul-2021	0.79
21G2915	6	MP-TP4 DC (E206805)	MC-TP4-DC	19-Jul-2021	0.79
21F2541	1	MP-TP4 DC (E206805)	MC-TP4-DC	9-Jun-2021	0.80
21F2541	1	MP-TP4 DC (E206805)	MC-TP4-DC	9-Jun-2021	0.80
21K2555	5	MC-TP4 DC (E206805)	MC-TP4-DC	13-Nov-2021	0.80
21K2555	5	MC-TP4 DC (E206805)	MC-TP4-DC	13-Nov-2021	0.80
21F3417	2	MC-TP4 DC (E206805)	MC-TP4-DC	16-Jun-2021	0.80
21F3417	2	MC-TP4 DC (E206805)	MC-TP4-DC	16-Jun-2021	0.80
21K2555	6	MC-TP4 DC (E206805)	MC-TP4-DC	14-Nov-2021	0.80
21K2555	6	MC-TP4 DC (E206805)	MC-TP4-DC	14-Nov-2021	0.80
21G2915	5	MP-TP4 DC (E206805)	MC-TP4-DC	18-Jul-2021	0.81
21G2915	5	MP-TP4 DC (E206805)	MC-TP4-DC	18-Jul-2021	0.81
21K2012	1	MC-TP4 DC (EC206805)	MC-TP4-DC	2-Nov-2021	0.81
21K2012	1	MC-TP4 DC (EC206805)	MC-TP4-DC	2-Nov-2021	0.81
21K3338	8	MC-TP4 DC (EC206805)	MC-TP4-DC	22-Nov-2021	0.82
21K3338	8	MC-TP4 DC (EC206805)	MC-TP4-DC	22-Nov-2021	0.82
21J0442	1	MC-TP4 DC (E206805)	MC-TP4-DC	21-Sep-2021	0.83
21J0442	1	MC-TP4 DC (E206805)	MC-TP4-DC	21-Sep-2021	0.83
21E2379	8	MP-TP4 DC (E206805)	MC-TP4-DC	11-May-2021	0.83
21E2379	8	MP-TP4 DC (E206805)	MC-TP4-DC	11-May-2021	0.83
21G2915	3	MP-TP4 DC (E206805)	MC-TP4-DC	16-Jul-2021	0.84
21G2915	3	MP-TP4 DC (E206805)	MC-TP4-DC	16-Jul-2021	0.84
21K2555	3	MC-TP4 DC (E206805)	MC-TP4-DC	11-Nov-2021	0.85
21K2555	3	MC-TP4 DC (E206805)	MC-TP4-DC	11-Nov-2021	0.85
21A2360	1	MC-TP4 DC (ID E206805)	MC-TP4-DC	29-Dec-2020	0.85
21A2360	1	MC-TP4 DC (ID E206805)	MC-TP4-DC	29-Dec-2020	0.85
21K2012	5	MC-TP4 DC (EC206805)	MC-TP4-DC	6-Nov-2021	0.86
21K2012	5	MC-TP4 DC (EC206805)	MC-TP4-DC	6-Nov-2021	0.86

Work Order	Lab ID	Station (Lab Report)	Station (Monitoring Plan)	Date	Ratio, Zn-d/Zn-t
21H1498	1	MC-TP4 DC (E206805)	MC-TP4-DC	4-Aug-2021	0.86
21H1498	1	MC-TP4 DC (E206805)	MC-TP4-DC	4-Aug-2021	0.86
21J2087	2	MC-TP4 DC (E206805)	MC-TP4-DC	6-Oct-2021	0.86
21J2087	2	MC-TP4 DC (E206805)	MC-TP4-DC	6-Oct-2021	0.86
21A2360	4	MC-TP4 DC (ID E206805)	MC-TP4-DC	3-Jan-2021	0.86
21A2360	4	MC-TP4 DC (ID E206805)	MC-TP4-DC	3-Jan-2021	0.86
21K2012	2	MC-TP4 DC (EC206805)	MC-TP4-DC	3-Nov-2021	0.87
21K2012	2	MC-TP4 DC (EC206805)	MC-TP4-DC	3-Nov-2021	0.87
21D0885	2	MC-TP4 DC (E206805)	MC-TP4-DC	1-Apr-2021	0.87
21D0885	2	MC-TP4 DC (E206805)	MC-TP4-DC	1-Apr-2021	0.87
21L1734	6	MC-TP4 DC (E206805)	MC-TP4-DC	5-Dec-2021	0.87
21L1734	6	MC-TP4 DC (E206805)	MC-TP4-DC	5-Dec-2021	0.87
21G3656	6	MC-TP4 DC (E206805)	MC-TP4-DC	26-Jul-2021	0.87
21G3656	6	MC-TP4 DC (E206805)	MC-TP4-DC	26-Jul-2021	0.87
21K2555	2	MC-TP4 DC (E206805)	MC-TP4-DC	10-Nov-2021	0.87
21K2555	2	MC-TP4 DC (E206805)	MC-TP4-DC	10-Nov-2021	0.87
21K2012	4	MC-TP4 DC (EC206805)	MC-TP4-DC	5-Nov-2021	0.87
21K2012	4	MC-TP4 DC (EC206805)	MC-TP4-DC	5-Nov-2021	0.87
21G1792	6	MC-TP4 DC (E206805)	MC-TP4-DC	11-Jul-2021	0.87
21G1792	6	MC-TP4 DC (E206805)	MC-TP4-DC	11-Jul-2021	0.87
21F3417	7	MC-TP4 DC (E206805)	MC-TP4-DC	21-Jun-2021	0.88
21F3417	7	MC-TP4 DC (E206805)	MC-TP4-DC	21-Jun-2021	0.88
21G1792	1	MC-TP4 DC (E206805)	MC-TP4-DC	6-Jul-2021	0.88
21G1792	1	MC-TP4 DC (E206805)	MC-TP4-DC	6-Jul-2021	0.88
21L0716	7	MC-TP4 DC (E206805)	MC-TP4-DC	29-Nov-2021	0.88
21L0716	7	MC-TP4 DC (E206805)	MC-TP4-DC	29-Nov-2021	0.88
21D0885	1	MC-TP4 DC (E206805)	MC-TP4-DC	31-Mar-2021	0.88
21D0885	1	MC-TP4 DC (E206805)	MC-TP4-DC	31-Mar-2021	0.88
21A2360	21	MC-TP4 DC (ID E206805)	MC-TP4-DC	20-Jan-2021	0.88
21A2360	21	MC-TP4 DC (ID E206805)	MC-TP4-DC	20-Jan-2021	0.88
21A2360	13	MC-TP4 DC (ID E206805)	MC-TP4-DC	12-Jan-2021	0.88
21A2360	13	MC-TP4 DC (ID E206805)	MC-TP4-DC	12-Jan-2021	0.88
21J3987	8	MC-TP4 DC (E206805)	MC-TP4-DC	26-Oct-2021	0.88
21J3987	8	MC-TP4 DC (E206805)	MC-TP4-DC	26-Oct-2021	0.88
21J0442	2	MC-TP4 DC (E206805)	MC-TP4-DC	22-Sep-2021	0.88
21J0442	2	MC-TP4 DC (E206805)	MC-TP4-DC	22-Sep-2021	0.88
21G1792	3	MC-TP4 DC (E206805)	MC-TP4-DC	8-Jul-2021	0.88
21G1792	3	MC-TP4 DC (E206805)	MC-TP4-DC	8-Jul-2021	0.88
21F3417	3	MC-TP4 DC (E206805)	MC-TP4-DC	17-Jun-2021	0.88
21F3417	3	MC-TP4 DC (E206805)	MC-TP4-DC	17-Jun-2021	0.88
21D0885	6	MC-TP4 DC (E206805)	MC-TP4-DC	5-Apr-2021	0.88
21D0885	6	MC-TP4 DC (E206805)	MC-TP4-DC	5-Apr-2021	0.88
21B1433	1	MC-TP4 DC (ID E206805)	MC-TP4-DC	29-Jan-2021	0.89
21B1433	1	MC-TP4 DC (ID E206805)	MC-TP4-DC	29-Jan-2021	0.89
21J0442	3	MC-TP4 DC (E206805)	MC-TP4-DC	23-Sep-2021	0.89
21J0442	3	MC-TP4 DC (E206805)	MC-TP4-DC	23-Sep-2021	0.89

Work Order	Lab ID	Station (Lab Report)	Station (Monitoring Plan)	Date	Ratio, Zn-d/Zn-t
21L1734	4	MC-TP4 DC (E206805)	MC-TP4-DC	3-Dec-2021	0.89
21L1734	4	MC-TP4 DC (E206805)	MC-TP4-DC	3-Dec-2021	0.89
21J3987	7	MC-TP4 DC (E206805)	MC-TP4-DC	25-Oct-2021	0.89
21J3987	7	MC-TP4 DC (E206805)	MC-TP4-DC	25-Oct-2021	0.89
21F3417	4	MC-TP4 DC (E206805)	MC-TP4-DC	18-Jun-2021	0.89
21F3417	4	MC-TP4 DC (E206805)	MC-TP4-DC	18-Jun-2021	0.89
21F3417	6	MC-TP4 DC (E206805)	MC-TP4-DC	20-Jun-2021	0.89
21F3417	6	MC-TP4 DC (E206805)	MC-TP4-DC	20-Jun-2021	0.89
21J0442	5	MC-TP4 DC (E206805)	MC-TP4-DC	25-Sep-2021	0.89
21J0442	5	MC-TP4 DC (E206805)	MC-TP4-DC	25-Sep-2021	0.89
21G1792	8	MC-TP4 DC (E206805)	MC-TP4-DC	13-Jul-2021	0.89
21G1792	8	MC-TP4 DC (E206805)	MC-TP4-DC	13-Jul-2021	0.89
21E2379	1	MP-TP4 DC (E206805)	MC-TP4-DC	4-May-2021	0.89
21E2379	1	MP-TP4 DC (E206805)	MC-TP4-DC	4-May-2021	0.89
21G1792	5	MC-TP4 DC (E206805)	MC-TP4-DC	10-Jul-2021	0.89
21G1792	5	MC-TP4 DC (E206805)	MC-TP4-DC	10-Jul-2021	0.89
21J3987	2	MC-TP4 DC (E206805)	MC-TP4-DC	20-Oct-2021	0.89
21J3987	2	MC-TP4 DC (E206805)	MC-TP4-DC	20-Oct-2021	0.89
21A2360	5	MC-TP4 DC (ID E206805)	MC-TP4-DC	4-Jan-2021	0.89
21A2360	5	MC-TP4 DC (ID E206805)	MC-TP4-DC	4-Jan-2021	0.89
21I1402	6	MC-TP4 DC (E206805)	MC-TP4-DC	5-Sep-2021	0.89
21I1402	6	MC-TP4 DC (E206805)	MC-TP4-DC	5-Sep-2021	0.89
21F0749	3	MC-TP4 DC (E206805)	MC-TP4-DC	29-May-2021	1.11
21F0749	3	MC-TP4 DC (E206805)	MC-TP4-DC	29-May-2021	1.11
21F1770	5	MC-TP4 DC (E206805)	MC-TP4-DC	5-Jun-2021	1.12
21F1770	5	MC-TP4 DC (E206805)	MC-TP4-DC	5-Jun-2021	1.12
21H0418	7	MC-TP4 DC (E206805)	MC-TP4-DC	2-Aug-2021	1.13
21H0418	7	MC-TP4 DC (E206805)	MC-TP4-DC	2-Aug-2021	1.13
21H0418	8	MC-TP4 DC (E206805)	MC-TP4-DC	3-Aug-2021	1.14
21H0418	8	MC-TP4 DC (E206805)	MC-TP4-DC	3-Aug-2021	1.14
21J1451	7	MC-TP4 DC (E206805)	MC-TP4-DC	4-Oct-2021	1.14
21J1451	7	MC-TP4 DC (E206805)	MC-TP4-DC	4-Oct-2021	1.14
21I3576	2	MC-TP4 DC (E206805)	MC-TP4-DC	15-Sep-2021	1.15
21I3576	2	MC-TP4 DC (E206805)	MC-TP4-DC	15-Sep-2021	1.15
21B2938	1	MC-TP4 DC (E206805)	MC-TP4-DC	18-Feb-2021	1.15
21B2938	1	MC-TP4 DC (E206805)	MC-TP4-DC	18-Feb-2021	1.15
21B2938	2	MC-TP4 DC (E206805)	MC-TP4-DC	19-Feb-2021	1.17
21B2938	2	MC-TP4 DC (E206805)	MC-TP4-DC	19-Feb-2021	1.17
21F2541	2	MP-TP4 DC (E206805)	MC-TP4-DC	10-Jun-2021	1.19
21F2541	2	MP-TP4 DC (E206805)	MC-TP4-DC	10-Jun-2021	1.19
21J1451	5	MC-TP4 DC (E206805)	MC-TP4-DC	2-Oct-2021	1.19
21J1451	5	MC-TP4 DC (E206805)	MC-TP4-DC	2-Oct-2021	1.19
21I3576	1	MC-TP4 DC (E206805)	MC-TP4-DC	14-Sep-2021	1.22
21I3576	1	MC-TP4 DC (E206805)	MC-TP4-DC	14-Sep-2021	1.22
21E2379	12	MP-TP4 DC (E206805)	MC-TP4-DC	15-May-2021	1.33
21E2379	12	MP-TP4 DC (E206805)	MC-TP4-DC	15-May-2021	1.33

Appendix I

2021 Quarterly Reports

Myra Falls Mine

A Trafigura Group Company



Myra Falls Mine

Quarterly Water Quality Report - Q1 2021

Submitted as required under Effluent Permit PE-06858

Prepared by Nicole Pesonen

Myra Falls Mine
A Trafigura Group Company

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Myra Falls Mine
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Introduction

Scope of Report

The following report details the environmental monitoring activities pertaining to the effluent permit PE-06858 issued under the Environmental Protection Act and administered by the British Columbia Ministry of Environment and Climate Change Strategy (BC ENV) at the Myra Falls Mine for this first quarter of calendar year 2021. The report includes a data review report as required under PE-06858 Section 4.3, a summary of unusual events occurring on site between January 1 and March 31, 2021.

Nyrstar Myra Falls Overview

Regional Environmental/Ecological Conditions

Location and Topography

The footprint of the Nyrstar Myra Falls mine site straddles the Myra Valley and the lower reaches of Myra Creek (Figure 2). Myra Creek flows from west to east through a steep-sided hanging valley and discharges over Myra Falls into Buttle Lake.

The slopes of Myra Valley climb steeply with an average gradient of 1.5H:1V. To the south, the slope rises to 1814 meters above sea level (MASL) at the summit of Mount Myra from the average valley bottom elevation of 307 MASL. Topography in the area exerts a strong influence on air mass movement and wind directions. Winds blow predominantly along the axis of the Myra Valley. At night, air masses are drawn down the mountains, continue along the valley floor and out over Buttle Lake. During the day, winds up cast along the mountainsides with air masses typically moving up the valley. Wind velocities at Nyrstar Myra Falls are generally low, typical of sites in protected valleys.

Myra Creek Drainage System

Myra Creek has a total length of 16 km and drains an area of 72 km^2 into Buttle Lake. Myra Creek and its tributaries are characterized by steep, cascading mountain streams bounded by rock. The creek descends in elevation from 1,814 m to 221 m at Buttle Lake. Its three major tributaries are Tennent Creek, Arnica Creek and Webster Creek.

Myra Falls has three major clean water diversion ditches diverting water from upslope areas to Arnica Creek, Cascade Creek and Myra Creek from the north side of the site.

Flow Monitoring

There are two continuous streamflow monitoring stations.

- MYR-BDG-US, and
- MYR-BDG.

Station MYR-BDG-US is the original monitoring station for Myra Creek and is located beneath the main access road bridge. MYR-BDG is the new, long-term streamflow monitoring station installed in 2019. This station is located on the pipe bridge that crosses Myra Creek approximately 1 km downstream of MYR-BDG-US.

The new gauge is downstream of the effluent discharge point (MP-EFF) and Webster Creek. The new gauge instrumentation consists of a Campbell Scientific datalogger and radio telemetry system. The stage sensor is a non-contact FTS radar sensor, installed in the center of the pipe bridge overlooking the creek. The gauge conforms to RISC (2018) Grade A data quality standards and was installed by Swiftwater Consulting Ltd. ("Swiftwater").

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Climate

The climate in the Myra Valley and surrounding areas is classified as Marine West Coast as per the Köppen Climate Classification System. Weather patterns are typical of other coastal regions of British Columbia. Frequent fronts from the Pacific Ocean and Gulf of Alaska combine with orographic influences to produce abundant precipitation. Prevailing westerly winds and the moderating influence of the Pacific Ocean result in generally mild winters and warm summers, producing a relatively narrow annual temperature range. Freezing conditions can be expected to occur anytime from October through May. Records indicate that the site should average 160 frost-free days per year.

Weather

The first quarter of 2021 received within average rainfall volumes and temperatures. A total of 532.3 mm or rain fell in January which is higher than average, maximum in a single day was 88.4 mm on January 4. Myra Falls recorded 143.8 mm rain in February which is lower than average, with a maximum of 32.3 mm recorded on February 23. In March a total of 265.1 mm of rain were recorded which is in the range of average for this month, with a maximum of 62.9 mm recorded on March 4, 2021. No precipitation events were recorded that were over an expected 1:1 annual exceedance probability event.

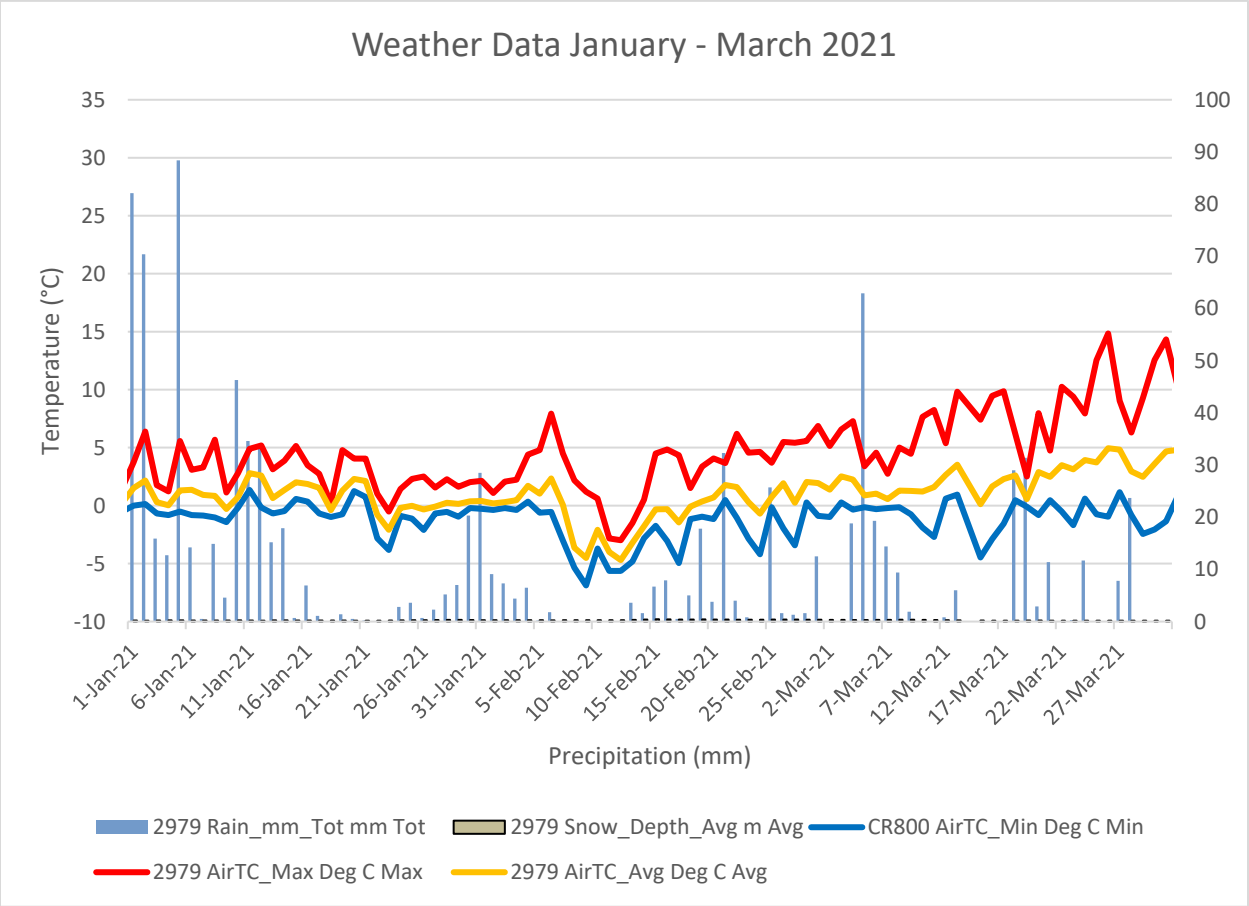


Figure 1: Quarter One 2021 Weather Data

Tailings Disposal Facilities

From 1967 - 1984 tailings were deposited sub-aqueously into the south end of Buttle Lake. Since 1984 the mine has utilized a surface tailings disposal facility (TDF) for its tailings impoundment, starting with the Myra Tailings Disposal Facility (now referred to as the Old TDF), which was filled to completion in 2011. In 2008, a newly constructed Lynx TDF became the main depositional facility for tailings, replacing the Old TDF which is now at full capacity. At final design elevation, the Lynx TDF has storage capacity for approximately 8 years of production at planned mining rates with a final proposed design height of approximately 57 m. The TDF has been designed to store the 1:200 Annual Exceedance Probability (AEP) event 24-hour Environmental Design Flood (EDF) of 226,000 m^3, with flood waters in excess of that volume directed out of the facility through the Emergency Spillway to Myra Creek. At final elevation the facility will provide storage for approximately 1.5 Mt of pasted tailings, or approximately 8 years of surface deposition requirements.

Lime Addition Water Treatment System

The water treatment system at Myra Falls collects and treats contaminated groundwater, surface runoff, mill effluent, tailings decant water, mine water and sewage treatment plant effluent. Contaminated water is directed to the primary reaction pond, (Superpond) where the pH is increased to a target pH of 10.2, (effective range between 10 and10.5 pH) through the addition of lime slurry ($Ca(OH)_2$). The elevated pH causes metals to become insoluble and precipitate out of solution primarily as metal hydroxide sludge. The Superpond discharges into the Myra Polishing Ponds System, consisting of a series of 6 settling ponds that allow any remaining suspended solids to settle out of solution.

With the exception of Myra 3, which only decants to Myra Out, there are two potential discharge points for each settling pond. By adding or removing check boards, decant outflows can be increased, decreased, or ponds isolated completely in response to changing operational or environmental circumstances. A CO_2 sparger located immediately downstream of pond confluence adjusts the treated effluent's pH back down within permitted limits, and is monitored continuously to maintain a target pH of 8.5 (effective operating range between 8.3 and 8.7 pH). The treated water is then discharged to Myra Creek via a 30" Parshall flume equipped with an ultrasonic device that continuously monitors flow rates.

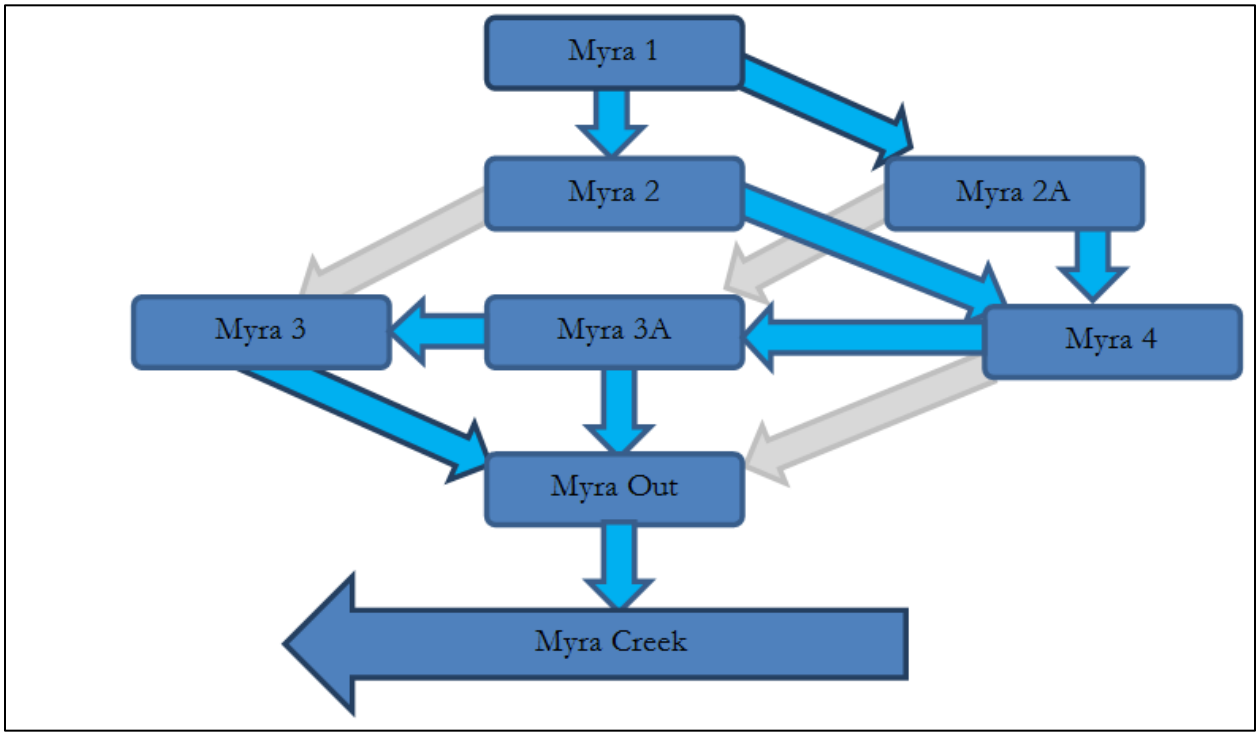


Figure 2: Treatment Ponds Configuration

Treatment ponds must be regularly cleaned out of dredged of solids to maintain capacity and operational effectiveness. The Superpond is equipped with an automated traversing barge and pump system which pumps sediment laden water to the active Tailings Disposal Facility (Lynx TDF) thereby slowing the rate of sludge build up in the Superpond and operating to maintain treatment capacity and residence time.

Water Quality Monitoring

The water quality monitoring program at Myra falls is outlined in the Effluent Permit PE-06858 Section 3; monitoring locations are described in Table 1, sampling frequencies are detailed in Table 2. Results of this monitoring program are discussed in the following sections.

A permit amendment was received July 5th, 2018 that changed some of the monitoring requirements. This has resulted in additional sampling locations and changes to some of the methodologies used, mid-way through the year. These changes are discussed in the following section on sampling methodology, and depicted in the tables below.

Table 1: Monitoring Requirements

Site Name / SNR	Monitoring Purpose
Tailings Impoundment Decant Effluent **TDF-EFF SRN: E207740**	Monitored for quality to determine compliance with effluent limits as per PE-06858. This water is currently routed to treatment as the decant structure to allow flows to creek has not yet been constructed.
Outlet at Superpond Inlet Ditch (eastern mine footprint) **TDF Dissipater Outlet E311488**	Monitored for quality to determine the concentrations of influent to the treatment system. Aids in assessing the effectiveness of treatment, characterizing the incoming contaminants from the Eastern portion of the surface footprint of the mine, as well as the Lynx Spring Drain and the Myra Tailings Dam (Old TDF) Underdrain system.
Outlet at Superpond Inlet Ditch (western mine footprint) **Mill Run - Off Collection Ditch E311028**	Monitored for quality to determine the concentrations of influent to the treatment system. Aids in assessing the effectiveness of treatment, characterizing the incoming contaminants from the Western portion of the surface footprint of the mine, as well as the Mill Effluent and the Outflow from the sewage treatment systems.
Mine contact water effluent outfall **MP-EFF E100666**	Monitored for quality to ensure treatment system is operating within expected parameters and to determine compliance with effluent limits as per PE-06858. This water is monitored at the decant location to Myra Creek.

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Site Name / SNR	Monitoring Purpose
Price Pond, below Portal #13 **PR-13L** **E100662**	Monitored for quality to determine compliance with effluent limits as per PE-06858. This facility is an infiltration basin, infiltrating to ground and does not allow surface flow out of the facility as designed.
Sewage effluent from HW treatment plant **HW STP E311008**	Monitored to ensure compliance with permit limits and effectiveness of treatment.
Sewage effluent from Myra treatment plant **Myra STP E311009**	Monitored to ensure compliance with permit limits and effectiveness of treatment
Myra Creek, 30 m upstream from Tennent Hydro Plant **MC-M1** **EMS-0124784**	This location serves as the upstream reference site to determine the relative impacts on Myra Creek by the Myra Falls Operations. The hardness as measured at MC-M1 Monitoring Location is used to determine the hardness based WQG for all Myra Creek Monitoring Sites.
Myra Creek, 1.3 km downstream from Lower Lynx Diversion Ditch **MC-M2 EMS-0124785**	This location is the furthest downstream monitoring location in Myra Creek and is downstream of all mine-related inputs. This site is also downstream of the clean-fill quarries used by the mine as reclamation cover materials.
Myra Creek, below Pumphouse #4 **MC-TP4D/M** **EMS- E206805**	Located immediately downstream of Pumphouse 4, downstream of the seepage collection system, upstream of the Lower Lynx Diversion Ditch. This site monitors the immediate impacts of the mine to Myra Creek.
Mid lake off Henshaw Creek depths @ 0 m, 10 m, 20 m, 40 m, 60 m and 100 m **HENSHAW** **EMS-0130082**	Buttle Lake approximately 2.8 km downstream of the base of Myra Falls This site monitors the water quality impacts of the mine to Buttle Lake both at surface and at depth.
Mid lake off Karst Creek depths @ 0 m, 10 m, 20 m, 40 m, 60 m and 100 m **KARST** **EMS-0130090**	Buttle Lake approximately 2.8 km downstream of the base of Myra Falls. This site monitors the water quality impacts of the mine to Buttle Lake both at surface and at depth.
Buttle Lake off Gold River Bridge depth @ surface **BL-GOLD** **EMS-0130080**	This is the sample site located furthest downstream from the mine. It is sampled in conjunction with the Myra Creek samples at the Buttle Narrows.

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Table 2: Monitoring Requirements from July 5, 2018 Permit Amendment

Sampling Point Description	Tailings Impoundment Decant Effluent	Outlet at Superpond Inlet Ditch (eastern mine footprint)	Outlet at Superpond Inlet Ditch (western mine footprint)	Mine contact water effluent outfall	Price Pond, below Portal #13	Sewage effluent from two treatment plants
Physical Parameters and Frequency						
Flow	D when discharging	-		Co	-	
Analytical Parameters and Frequency						
pH	Co-R	Q-G	Q-G	Co-R	M-G	-
TSS	M-G	Q-G	Q-G	M-G	-	BA-G
Total Zinc	D-G	Q-G	Q-G	D-C	M-G	-
Dissolved Zinc	M-G	Q-G	Q-G	M-G	-	
Total Copper	D-G (LDL)	Q-G	Q-G	D-C (LDL)	M-G	-
Dissolved Copper	D-G (LDL)	Q-G	Q-G	D-C (LDL)	-	
Total Cadmium	Q-G				-	
Dissolved Cadmium	Q-G				-	
Total Lead	W-G	Q-G	Q-G	W-G	-	
Dissolved Lead	M-G	Q-G	Q-G	M-G	-	
Sulphate	Q-G				-	
Total Nitrogen	Q-G				-	
Total Phosphorus	Q-G				-	
Bioassay Parameters and Frequency						
Toxicity Test[3]	Q-G	-		Q-G	-	
5 day Biochemical Oxygen Demand	-					**BA-G**

Sampling Point Description	Myra Creek, 30 m upstream from Hydro Plant	Myra Creek, 75 m downstream from Line Bridge crossing	Myra Creek, below Pumphouse #4
Analytical Parameters and Frequency			
pH	Q-G	M-G	D-C
Temperature	-	M	-
Total Zinc	Q-G	M-G	D-C
Dissolved Zinc	Q-G	M-G	M-G
Total and Dissolved Aluminium	Q-G		
Total and Dissolved Cadmium	-	M-G	M-G
Total and Dissolved Copper	Q-G	M-G	D-C (LDL)
Total and Dissolved Iron	Q-G		
Total and Dissolved Lead	Q-G	M-G	M-G
Total and Dissolved Phosphorus	-	M-G	-
Nitrogen (as Ammonia)	-	M-G	-
Nitrate/Nitrite	-	M-G	-
Sulphate	-	M-G	-

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Sampling Methodology

Daily Composite Monitoring

Treated effluent is discharged from a point source location listed in the permit as Myra Ponds or MP-EFF (EMS-ID E100666). This location is sampled daily with a Sigma SD900 composite autosampler, which takes 110mL samples every 3 hours (8 aliquots per day totalling one 880 mL composite sample). Daily composite are collected weekly and are shipped to an accredited off-site lab for analysis of total and dissolved metals analysis. Effluent pH and flow are continuously monitored through an automated logging system, with quality control checks performed by operational personnel every 6 hours. Daily effluent pH's and flow volumes are summarized in Appendix A.

Daily composite samples at TP4 are collected with a YSI pro sample P series autosampler, using the similar volumes and the same sampling frequency described above; a weekly composite was made for the MC-TP4 location by taking equal portions of the daily composite samples and combining them to create composites which represent the week. Results are presented in Appendix A.

Nyrstar has opted to complete the analyses for the full suite of dissolved and total metals for each daily sample and weekly composite collected. This provides more information that can be used to improve the calibration of the Site-Wide Geochemical Model that has been developed to determine the potential future impacts of different water management systems and to assess potential closure plan options prior to design work being completed for permitting.

Surface Grab Samples

Grab samples are collected weekly, monthly and quarterly as required by PE-06858. The samples are sent off-site for analyses of total suspended solids (TSS), total and dissolved metals by ICP-MS, sulfate, nitrogen, phosphorus and acute toxicity (96-hr rainbow trout LC_{50}).

Depth Profile Samples (Buttle Lake)

Every second month, a depth profile for two separate sites on Buttle Lake is developed by collecting grab samples at various depth intervals with a Van Dorn or Kemmerer Sampler. The Henshaw Location is approximately 2.8 km downstream of the base of Myra ; the Karst Locations is approximately 8.5 km downstream from the base of Myra Falls. Both sites are sampled at depths 0, 10, 20, 40, 60, and 100 meters. When the 100 m depth cannot be reached due to shallowness of the lake, a sample is collected 1

meter above the lake bed, as measured by a fish finder to prevent stirring of bottom sediments into the water column and skewing the results of the total metals analysis.

In addition to water chemistry, surface samples of phytoplankton and chlorophyll-a, and a 25 m vertical tow to sample zooplankton are also collected as part of the Buttle Lake sampling program. Field physical parameters (temperature, pH, specific conductivity, and dissolved oxygen) are taken at in 5 m intervals from surface to depths of 50 meters using a Sonde and a secchi disk is deployed to determine clarity at each location.

Water Treatment Monitoring and Performance

Flows through the water treatment system come from multiple sources, including surface run-off, groundwater recovery systems, underground mine dewatering systems and process water from the mill, amongst other inputs.

A reclaim pump is located just upstream from the final effluent discharge point to collect treated water for use in processing or dust suppression to reduce the site requirement for fresh water from Tennent, Arnica and Myra Creeks.

Effluent

Effluent flow is monitored continuously by a 30" Parshall flume with an ultrasonic flow measuring device, located approximately 5 m downstream from the reclaim pumps. The flow rate is recorded every minute in the mill historian, and this information is used to calculate the daily flow.

The TDF-Effluent location monitors the quality of the flows entering the TDF that may be released to the receiving environment without treatment when permit limits are met, all flows from the Old TDF are currently treated for pH and metals concentration through the Superpond and are not discharged to the receiving environment as the infrastructure required to allow this to occur has not yet been constructed.

Flows from the Price 13 Level Portal are directed to an exfiltration basin referred to as Price Pond. This flow is measured periodically to ensure compliance via a manual measurement taken by measuring the time it takes to fill a container of known volume and calculating the flow rate using the average time of three or more tests. Flows to the Price Pond are authorized at a rate of 3,450 m^3/day.

Table 3: Permitted Effluent Concentrations

Site Parameter	Tailings Pond Effluent	Myra Pond Effluent	Price Pond (east side)
pH		6.5-10 pH Units	6.5-8.5 pH Units
Total suspended solids <110,000 m^3/day	20	25 mg/L	25mg/L
Total suspended solids>110 000 m^3/ day		50 mg/L	
Total Zinc	0.5 mg/L	1.0 mg/L	1.0 mg/L
Dissolved Zinc	0.25mg/L	0.5 mg/L	0.5 mg/L
Total Copper	0.30mg/L	0.6 mg/L	0.6 mg/L
Dissolved Copper	0.10 mg/L	0.2 mg/L	0.2 mg/L
Dissolved Cadmium	0.003 mg/L	0.005 mg/L	0.005 mg/L
Dissolved Lead	0.030 mg/L	0.05 mg/L	0.05 mg/L
Toxicity (96 hr LC_{50})		100%	

Influent

Routine monitoring of influent to the water treatment system is required by permit PE-06858. Grab samples are to be collected from two stations:

- MILL DITCH station. Primarily consists of flows from the Lynx 10L East adit, the Lynx Ditch, and decant flows from the Lynx TDF.
- DISSIPATER station. Primarily consists of groundwater flows from the Old TDF under-drains via Pumphouse No. 4 and flows from the Surge Pond and Springs Drain during high flow periods

Effluent and Receiving Environment Results

The following section provides analyses of results, in particular comparing the receiving environment water quality to the BC Water Quality Guidelines for Freshwater Aquatic Life (WQGs) for the parameters listed in the permit PE-06858. Cells containing red text indicate an exceeded 30-day mean (chronic) water quality guideline; cells highlighted in pink indicate an exceeded maximum (acute) total water quality guideline, and numbers highlighted in bold are below the laboratory published Reliable Detection Limit (RDL), but entered as RDL for calculation purposes.

Most of the water quality grab samples have been taken at a frequency of less than 5 times in 30 days, and therefore a comparison to the 30-day average (chronic) water quality guideline is not directly applicable. However, the chronic guideline has been included in the charts for reference. Effluent concentration limits are outlined in PE-06858 by authorized discharge location and are summarized in Table 7.

For all parameters with hardness-based water quality guidelines discussed in this report, sample site Gold River (Buttle Lake at Buttle Narrows) calculated using in situ hardness, as there are no upstream analogues appropriate for this location. Sample site

MC-M1 (Myra Creek upstream of Tennent Creek) is used for all Myra Creek sampling locations; this sample site is only sampled quarterly, so the average hardness for this location is used in months were a direct measurement is not available.

Daily Composite Results

Table 4: January Composite Results

DATE	MP-EFF-D (T-Zn)	MP-EFF-D (T-Cu)	MP-EFF-D (D-Cu)	MC-TP4-D (T-Zn)	MC-TP4-D (T-Cu)	MC-TP4-D (D-Cu)	Precip. (mm)
1-Jan-21	0.22000	0.01610	0.00281	0.08140	0.00198	0.00284	82.10
2-Jan-21	0.54200	0.06070	0.00243	0.06420	0.00424	0.00416	70.40
3-Jan-21	0.28500	0.01220	0.00291	0.07510	0.00419	0.00288	15.90
4-Jan-21	0.34600	0.01400	0.00310	0.07670	0.00184	0.00173	12.70
5-Jan-21	0.36300	0.01710	0.00361	0.08520	0.00127	0.00163	88.40
6-Jan-21	0.65300	0.07980	0.00354	0.08470	0.00128	0.00153	14.20
7-Jan-21	0.54400	0.06390	0.00405	0.09790	0.00156	0.00152	0.50
8-Jan-21	0.43700	0.04160	0.00432	0.08870	0.00212	0.00124	14.90
9-Jan-21	0.38500	0.03270	0.00524	0.08830	0.00148	0.00122	4.60
10-Jan-21	0.51700	0.05950	0.00444	0.08450	0.00167	0.00113	46.30
11-Jan-21	0.34000	0.02960	0.00461	0.07520	0.00202	0.00174	34.60
12-Jan-21	0.27800	0.01640	0.00491	0.07230	0.00215	0.00157	33.40
13-Jan-21	0.33400	0.05200	*0.03170*	0.06490	0.00485	0.00218	15.20
14-Jan-21	0.22300	0.03470	*0.03170*	0.07600	0.00111	0.00108	17.90
15-Jan-21	0.28600	0.02640	0.00506	0.07390	0.00095	0.00102	0.70
16-Jan-21	0.09360	0.00481	0.00184	0.07010	0.00211	0.00179	6.90
17-Jan-21	0.07770	0.00583	0.00300	0.07570	0.00203	0.00170	1.10
18-Jan-21	0.06730	0.00673	0.00389	0.07580	0.00117	0.00130	0.00
19-Jan-21	0.12500	0.00758	0.00495	0.07180	0.00089	0.00135	1.40
20-Jan-21	0.02670	0.00403	0.00321	0.07810	0.00152	0.00082	0.50
21-Jan-21	0.03850	0.00478	0.00201	0.06860	0.00135	0.00115	0.20
22-Jan-21	0.11800	0.01270	0.00241	0.07600	0.00127	0.00265	0.00
23-Jan-21	0.18100	0.01870	0.00325	0.07980	0.00143	0.00204	0.00
24-Jan-21	0.18200	0.01810	0.00354	0.08130	0.00124	0.00206	2.80
25-Jan-21	0.05880	0.00626	0.00267	0.08020	0.00160	0.00199	3.60
26-Jan-21	0.13500	0.01180	0.00273	0.08000	0.00150	0.00163	0.70
27-Jan-21	0.11000	0.00966	0.00163	0.08700	0.00135	0.00171	2.30
28-Jan-21	0.10100	0.01060	0.00235	0.07730	0.00156	0.00147	5.20
29-Jan-21	0.04730	0.00410	0.00219	0.07590	0.00096	0.00238	7.00
30-Jan-21	0.06790	0.00550	0.00252	0.07560	0.00118	0.00153	20.30
31-Jan-21	0.13500	0.00700	0.00246	0.07810	0.00099	0.00134	28.50
Average	0.23606	0.02242	0.00513	0.07807	0.00177	0.00175	17.1710
Max	0.65300	0.07980	0.03170	0.09790	0.00485	0.00416	88.4000
Min	0.02670	0.00403	0.00163	0.06420	0.00089	0.00082	0.0000
Criteria	Permit Limit (PE-06858)			BC WQG			
Max	1.00	0.60	0.20	0.0330	n/a	0.0042	
30 day ave	n/a	n/a	n/a	0.0075	n/a	0.00110	

There were no permit limits exceeded in January, 2021 in the composite samples, however an autosampler error occurred January 13 – 14 where there was not enough

sample in the collection container to run both total and dissolved metals analysis. This resulted in missed samples for dissolved metals on those dates. The residual water in the containers was mixed and the combined sample sent to the laboratory for dissolved metals analysis. The above results included the combined result of those dates in the table above (in italics).

Table 5: February Daily Composite Results

DATE	MP-EFF-D (T-Zn)	MP-EFF-D (T-Cu)	MP-EFF-D (D-Cu)	MC-TP4-D (T-Zn)	MC-TP4-D (T-Cu)	MC-TP4-D (D-Cu)	Precip. (mm)
1-Feb-21	0.10900	0.01350	0.00461	0.0780	0.0011	0.0014	9.10
2-Feb-21	0.0689	0.0245	0.0037	0.0690	0.0014	0.0011	7.30
3-Feb-21	0.0311	0.0152	0.0037	0.0764	0.0011	0.0012	4.40
4-Feb-21	0.0574	0.0358	0.0060	0.0779	0.0012	0.0012	6.50
5-Feb-21	0.0694	0.0070	0.0070	0.0746	0.0009	0.0014	0.20
6-Feb-21	0.0633	0.0099	0.0099	0.0752	0.0009	0.0010	1.80
7-Feb-21	0.0728	0.0058	0.0058	0.0765	0.0008	0.0009	0.00
8-Feb-21	0.0498	0.0043	0.0043	0.0788	0.0012	0.0012	0.10
9-Feb-21	0.0611	0.0056	0.0056	0.0779	0.0014	0.0017	0.10
10-Feb-21	0.0623	0.0050	0.0050	0.0797	0.0008	0.0009	0.00
11-Feb-21	0.0924	0.0051	0.0051	0.0765	0.0007	0.0009	0.00
12-Feb-21	0.0649	0.0052	0.0052	0.0769	0.0013	0.0014	0.00
13-Feb-21	0.0229	0.0030	0.0030	0.0785	0.0014	0.0015	3.60
14-Feb-21	0.0236	0.0019	0.0019	0.0822	0.0013	0.0013	1.60
15-Feb-21	0.0606	0.0031	0.0031	0.0823	0.0013	0.0014	6.70
16-Feb-21	0.1080	0.0047	0.0047	0.0798	0.0012	0.0016	7.90
17-Feb-21	0.1000	0.0067	0.0067	0.0613	0.0012	0.0016	0.50
18-Feb-21	0.0772	0.0193	0.0071	0.0804	0.0012	0.0021	5.00
19-Feb-21	0.0976	0.0191	0.0079	0.0695	0.0012	0.0012	17.80
20-Feb-21	0.0319	0.0105	0.0046	0.0710	0.0013	0.0013	3.80
21-Feb-21	0.1050	0.0114	0.0040	0.0597	0.0024	0.0021	32.30
22-Feb-21	0.0941	0.0189	0.0039	0.0574	0.0026	0.0025	4.00
23-Feb-21	0.0644	0.0152	0.0042	0.0628	0.0022	0.0020	0.80
24-Feb-21	0.0502	0.0131	0.0023	0.0698	0.0021	0.0020	0.10
25-Feb-21	0.0478	0.0050	0.0026	0.0769	0.0014	0.0021	25.70
26-Feb-21	0.0388	0.0102	0.0017	0.0810	0.0020	0.0020	1.60
27-Feb-21	0.0267	0.0072	0.0025	0.0819	0.0017	0.0016	1.30
28-Feb-21	0.0386	0.0129	0.0044	0.0836	0.0027	0.0024	1.60
Average	0.0639	0.0107	0.0047	0.0748	0.0014	0.0015	5.1357
Max	0.1090	0.0358	0.0099	0.0836	0.0027	0.0025	32.3000
Min	0.02290	0.00192	0.00169	0.05740	0.00072	0.00086	0.0000
Criteria	Permit Limit (PE-06858)			BC WQG			
Max	1.00	0.60	0.20	0.0330	n/a	0.0042	
30 Day Average	n/a	n/a	n/a	0.0075	n/a	0.00110	

There were no missed samples or samples that exceeded permit limits in the daily composites collected in February.

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Table 6: March Daily Composites

DATE	MP-EFF-D (T-Zn)	MP-EFF-D (T-Cu)	MP-EFF-D (D-Cu)	MC-TP4-D (T-Zn)	MC-TP4-D (T-Cu)	MC-TP4-D (D-Cu)	Precip. (mm)
1-Mar-21	0.02870	0.02090	0.00416	0.08340	0.00281	0.00199	12.50
2-Mar-21	0.02640	0.02400	0.00449	0.08530	0.00260	0.00213	0.10
3-Mar-21	0.02970	0.02630	0.00595	0.08800	0.00214	0.00268	0.10
4-Mar-21	0.03380	0.00931	0.00453	0.08740	0.00128	0.00897	18.80
5-Mar-21	0.07100	0.01530	0.00312	0.09190	0.00230	0.00369	62.90
6-Mar-21	0.02970	0.00962	0.00273	0.09060	0.00153	0.00261	19.30
7-Mar-21	0.02550	0.00930	0.00299	0.09400	0.00529	0.00318	14.40
8-Mar-21	0.02590	0.01650	0.00284	0.09780	0.00229	0.00297	9.40
9-Mar-21	0.03430	0.01900	0.00340	0.10400	0.00134	0.00180	1.90
10-Mar-21	0.02970	0.01480	0.00293	0.10400	0.00153	0.00159	0.10
11-Mar-21	0.03620	0.00553	0.00332	0.09870	0.00163	0.00413	0.10
12-Mar-21	0.02580	0.01210	0.00290	0.09060	0.00155	0.00192	0.80
13-Mar-21	0.02990	0.00399	0.00244	0.09070	0.00172	0.00212	6.00
14-Mar-21	0.02330	0.00377	0.00206	0.08420	0.00235	0.00227	0.00
15-Mar-21	0.03710	0.00535	0.00200	0.08620	0.00165	0.00181	0.10
16-Mar-21	0.05670	0.01270	0.00272	0.09120	0.00184	0.00210	0.00
17-Mar-21	0.04600	0.01040	0.00286	0.09420	0.00158	0.00184	29.00
18-Mar-21	0.08780	0.00400	0.00339	0.09230	0.00192	0.00253	31.40
19-Mar-21	0.07600	0.00446	0.00379	0.09430	0.00136	0.00234	2.90
20-Mar-21	0.03520	0.00586	0.00391	0.09130	0.00222	0.00291	11.40
21-Mar-21	0.03120	0.00919	0.00637	0.09340	0.00201	0.00230	0.10
22-Mar-21	0.02830	0.01240	0.00940	0.09740	0.00251	0.00264	0.30
23-Mar-21	0.03060	0.01480	0.01050	0.09930	0.00207	0.00210	11.70
24-Mar-21	0.02750	0.01270	0.00880	0.09050	0.00235	0.00237	0.10
25-Mar-21	0.04040	0.01360	0.00802	0.09040	0.00244	0.00247	0.10
26-Mar-21	0.02940	0.01510	0.00772	0.09110	0.00176	0.00175	7.80
27-Mar-21	0.02560	0.01560	0.00908	0.07990	0.00252	0.00223	23.70
28-Mar-21	0.02450	0.01850	0.00802	0.07110	0.00257	0.00253	0.10
29-Mar-21	0.01980	0.01700	0.00682	0.08470	0.00278	0.00306	0.00
30-Mar-21	0.02080	0.01980	0.00923	0.09650	0.00341	0.00332	0.00
31-Mar-21	0.04270	0.00868	0.00481	0.08950	0.00300	0.00285	0.10
Average	0.03579	0.01260	0.00501	0.09109	0.00220	0.00268	8.5548
Max	0.08780	0.02630	0.01050	0.10400	0.00529	0.00897	62.9000
Min	0.01980	0.00377	0.00200	0.07110	0.00128	0.00159	0.0000
Criteria	Permit Limit (PE-06858)			BC WQG			
Max	1.00	0.60	0.20	0.0330	n/a	0.0042	
30 Day Average	n/a	n/a	n/a	0.0075	n/a	0.00110	

There were no samples collected that exceeded permit limits in the daily composites for March.

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Monthly/Quarterly Grab Sample Results

pH

pH	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
January		8.39			7.49	7.01	7.98	7.23
February	6.42	7.97	7.54	7.02	7.35	7.96	7.88	8.00
March		8.30			6.89	6.85	6.74	7.77
April	7.60	7.63	7.51	5.57	7.50	8.04	8.14	7.51

Mean	7.01	8.07	7.53	6.30	7.31	7.47	7.69	7.63
Minimum	6.42	7.63	7.51	5.57	6.89	6.85	6.74	7.23
Maximum	7.60	8.39	7.54	7.02	7.50	8.04	8.14	8.00
Median	7.01	8.14	7.53	6.30	7.42	7.49	7.93	7.64
Stdev	0.83	0.35	0.02	1.03	0.29	0.62	0.64	0.33
n	2.00	4.00	2.00	2.00	4.00	4.00	4.00	4.00
DL Range	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00

No Permit limits were exceeded for pH in the grab samples taken.

Zinc

Total Zinc (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
January		0.13900			0.07970	0.07450	0.59500	0.00690
February	**0.00400**	0.21800	145.00000	4.98000	0.08560	0.08080	0.34300	0.00490
March		0.11500			0.16200	0.11700	0.54900	0.00650

Mean	0.0040	0.1573	145.00	4.98	0.1091	0.0908	0.4957	0.0061
Minimum	0.0040	0.1150	145.00	4.98	0.0797	0.0745	0.3430	0.0049
Maximum	0.0040	0.2180	145.00	4.98	0.1620	0.1170	0.5950	0.0069
Median	0.0040	0.1390	145.00	4.98	0.0856	0.0808	0.5490	0.0065
Stdev	-	0.0539	-	-	0.0459	0.0229	0.1342	0.0011
n	1	3	1	1	3	3	3	3
DL Range	0.001-0.003	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030
BC WQG max	**0.0075**	1			**0.0075**	**0.0075**	1	**0.0075**
BC WQG 30 day	**0.0330**				**0.0330**	**0.0330**		**0.0330**

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Dissolved Zinc (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
January		0.00860			0.07400	0.07820	0.24300	0.00630
February	**0.00400**	0.03820	4.47	4.78	0.05820	0.05590	0.32400	0.00450
March		0.03090			0.19700	0.09160	0.60200	0.00450

Mean	0.0040	0.0259	4.47	4.78	0.1097	0.0752	0.3897	0.0051
Minimum	0.0040	0.0086	4.47	4.78	0.0582	0.0559	0.2430	0.0045
Maximum	0.0040	0.0382	4.47	4.78	0.1970	0.0916	0.6020	0.0063
Median	0.0040	0.0309	4.47	4.78	0.0740	0.0782	0.3240	0.0045
Stdev	-	0.0154	-	-	0.0760	0.0180	0.1883	0.0010
n	1	3	1	1	3	3	3	3
DL Range	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030
BC WQG	n/a	0.5			n/a	n/a	0.5	n/a

The dissolved zinc limit was exceeded in March 2021 at the Price 13 L Exfiltration pond. Total Zinc concentrations exceeded both the chronic and the acute water quality guideline in all three months at the MC-TP4 and MC-M2 locations.

Copper

Total Copper (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
January		0.01840			0.0033100	0.0030100	0.01290	0.0008900
February	**0.00040**	0.02810	35.80	0.59800	0.0068100	0.0058000	0.00497	0.0006100
March		0.01390			0.0080200	0.0052300	0.00507	0.0014100

Mean	0.00040	0.02013	35.80	0.60	0.00605	0.00468	0.00765	0.00097
Minimum	0.00040	0.01390	35.80	0.60	0.00331	0.00301	0.00497	0.00061
Maximum	0.00040	0.02810	35.80	0.60	0.00802	0.00580	0.01290	0.00141
Median	0.00040	0.01840	35.80	0.60	0.00681	0.00523	0.00507	0.00089
Stdev	-	0.00726	-	-	0.00245	0.00147	0.00455	0.00041
n	1	3	1	1	3	3	3	3
DL Range	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050
BC WQG max	.	0.6				.	0.6	

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Dissolved Copper (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
January		0.00428			0.00211	0.00410	0.00096	0.00101
February	**0.0004**	0.00496	0.01690	0.47800	0.00288	0.00246	0.00570	0.00041
March		0.00350			0.00548	0.00331	0.00325	0.00063

Mean	0.00040	0.00425	0.02	0.48	0.00349	0.00329	0.00330	0.00068
Minimum	0.00040	0.00350	0.02	0.48	0.00211	0.00246	0.00096	0.00041
Maximum	0.00040	0.00496	0.02	0.48	0.00548	0.00410	0.00570	0.00101
Median	0.00040	0.00428	0.02	0.48	0.00288	0.00331	0.00325	0.00063
Stdev	-	0.00073	-	-	0.00177	0.00082	0.00237	0.00030
n	1	3	1	1	3	3	3	3
DL Range	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050
BC WQG max	0.00110	0.2	n/a	n/a	0.00110	0.00110	0.20	0.00110
BC WQG 30 day	0.00020.				0.00020.	0.00020.		0.00020.

There were no permit limits exceeded for Copper. Dissolved copper concentrations exceeded both the chronic and the acute water quality guideline in all three months at the MC-TP4 and MC-M2 locations.

Lead

Total Lead (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
January		0.01030			0.00123	0.00088	0.14000	**0.00020**
February	**0.00020**	0.00396	37.20	0.05250	0.00077	0.00061	0.02660	**0.00020**
March		0.00197			0.00037	0.00035	0.02950	0.00067

Mean	0.00020	0.00541	37.2000	0.05250	0.00079	0.00061	0.06537	0.00036
Minimum	0.00020	0.00197	37.2000	0.05250	0.00037	0.00035	0.02660	0.00020
Maximum	0.00020	0.01030	37.2000	0.05250	0.00123	0.00088	0.14000	0.00067
Median	0.00020	0.00396	37.2000	0.05250	0.00077	0.00061	0.02950	0.00020
Stdev	-	0.00435	-	-	0.00043	0.00027	0.06465	0.00027
n	1	3	1	1	3	3	3	3
DL Range	0.00005	0.00005	0.000050	0.000050	0.000050	0.00000	0.000050	0.00005
BC WQG max	0.010122823							
BC WQG 30 day	0.001305702							

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Dissolved Lead (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
January		**0.00020**			0.00024	0.00038	0.01160	**0.00020**
February	**0.00020**	**0.00020**	0.00380	0.00454	**0.00020**	**0.00020**	0.01640	**0.00020**
March		0.00022			**0.00020**	**0.00020**	0.01560	**0.00020**
Mean	0.00020	0.00021	0.00380	0.00454	0.00021	0.00026	0.01453	0.00020
Minimum	0.00020	0.00020	0.00380	0.00454	0.00020	0.00020	0.01160	0.00020
Maximum	0.00020	0.00022	0.00380	0.00454	0.00024	0.00038	0.01640	0.00020
Median	0.00020	0.00020	0.00380	0.00454	0.00020	0.00020	0.01560	0.00020
Stdev	-	0.00001	-	-	0.00002	0.00010	0.00257	0.00000
n	1	3	1	1	3	3	3	3
DL Range	0.000005	0.000005	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050
Permit Limit	n/a	0.05	0.03	0.03	n/a	n/a	0.05	n/a

Concentrations in bold are below detection limits. There were no permit limits exceeded for Lead.

Iron

Total Iron (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
January		0.0710			**0.0100**	**0.0100**	0.2800	**0.0100**
February	0.1980	0.1540	835.0	2.1	0.0310	0.0240	0.1290	**0.0100**
March		0.0720			0.0160	0.0150	0.1040	0.0250
Mean	0.198	0.099	835.00	2.11	0.019	0.016	0.171	0.015
Minimum	0.198	0.071	835.00	2.11	0.010	0.010	0.104	0.010
Maximum	0.198	0.154	835.00	2.11	0.031	0.024	0.280	0.025
Median	0.198	0.072	835.00	2.11	0.016	0.015	0.129	0.010
Stdev	-	0.048	-	-	0.011	0.007	0.095	0.009
n	1	3	1	1	3	3	3	3
DL Range	0.005	0.030	0.030	0.030	0.030	0.030	0.030	0.030
BC WQG max	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

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Dissolved Iron (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
January		**0.0100**			**0.0100**	**0.0100**	**0.0100**	**0.0100**
February	**0.0100**	**0.0100**	0.0130	1.5000	**0.0100**	**0.0100**	0.0410	**0.0100**
March		**0.0100**			**0.0100**	**0.0100**	**0.0100**	**0.0100**

Mean	0.010	0.010	0.01	1.50	0.010	0.010	0.020	0.010
Minimum	0.010	0.010	0.01	1.50	0.010	0.010	0.010	0.010
Maximum	0.010	0.010	0.01	1.50	0.010	0.010	0.041	0.010
Median	0.010	0.010	0.01	1.50	0.010	0.010	0.010	0.010
Stdev	-	0.000	-	-	0.000	0.000	0.018	0.000
n	1	3	1	1	3	3	3	3
DL Range	0.030	0.001	0.030	0.030	0.030	0.030	0.001	0.030
BC WQG max	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35

There were no exceeded permit limits for Iron.

Cadmium

Total Cadmium (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
January		0.000429			0.000206	0.000192	0.002650	0.000021
February	**0.000010**	0.000696	0.449000	0.013800	0.000248	0.000216	0.001470	0.000013
March		0.000408			0.000381	0.000224	0.002180	0.000022
Mean	0.000010	0.000511	0.449000	0.013800	0.000278	0.000211	0.002100	0.000019
Minimum	0.000010	0.000408	0.449000	0.013800	0.000206	0.000192	0.001470	0.000013
Maximum	0.000010	0.000696	0.449000	0.013800	0.000381	0.000224	0.002650	0.000022
Median	0.000010	0.000429	0.449000	0.013800	0.000248	0.000216	0.002180	0.000021
Stdev	-	0.000161	-	-	0.000091	0.000017	0.000594	0.000005
n	1	3	1	1	3	3	3	3
DL Range	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
BC WQG	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

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Dissolved Cadmium (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
January		0.000040			0.000175	0.000181	0.000938	0.000025
February	**0.000010**	0.000215	0.010900	0.012300	0.000201	0.000197	0.001220	0.000027
March		0.000139			0.000348	0.000239	0.002480	0.000014

Mean	0.000010	0.000131	0.010900	0.012300	0.000241	0.000206	0.001546	0.000022
Minimum	0.000010	0.000040	0.010900	0.012300	0.000175	0.000181	0.000938	0.000014
Maximum	0.000010	0.000215	0.010900	0.012300	0.000348	0.000239	0.002480	0.000027
Median	0.000010	0.000139	0.010900	0.012300	0.000201	0.000197	0.001220	0.000025
Stdev	-	0.000088	-	-	0.000093	0.000030	0.000821	0.000007
n	1	3	1	1	3	3	3	3
DL Range	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
BC WQG max	See tables.	0.005			See tables.	See tables.	0.005	See tables.
BC WQG 30 day	See tables.				See tables.	See tables.		See tables.

There were no permit limits exceeded for Cadmium, Dissolved cadmium was above both chronic and maximum hardness based water quality guidelines at MC-TP4 and MC-M2 in all three months.

Phosphorus

Total Phosphorus (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
January		**0.0500**			**0.0500**	**0.005**	**0.0500**	**0.0500**
February	**0.0050**	0.0189	8.0000	0.0107	**0.0500**	**0.005**	**0.0500**	**0.0500**
March		**0.0050**			**0.0500**	**0.005**	**0.0500**	**0.0500**

Mean	0.005	0.025	8.000	0.011	0.050	0.005	0.050	0.050
Minimum	0.005	0.005	8.000	0.011	0.050	0.005	0.050	0.050
Maximum	0.005	0.050	8.000	0.011	0.050	0.005	0.050	0.050
Median	0.005	0.019	8.000	0.011	0.050	0.005	0.050	0.050
Stdev	-	0.023	-	-	0.000	0.000	0.000	0.000
n	1.000	3.000	1.000	1.000	3.000	3.000	3.000	3.000
DL Range	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
BC WQG	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Dissolved Phosphorus (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
January		**0.050**			**0.050**	**0.0050**	**0.050**	**0.050**
February	**0.01**	0.0055	**0.050**	**0.050**	**0.050**	**0.0050**	**0.050**	**0.050**
March		**0.050**			**0.050**	**0.0050**	**0.050**	**0.050**

Mean	0.01	0.04	0.05	0.05	0.05	0.01	0.05	0.05
Minimum	0.01	0.01	0.05	0.05	0.05	0.01	0.05	0.05
Maximum	0.01	0.05	0.05	0.05	0.05	0.01	0.05	0.05
Median	0.01	0.05	0.05	0.05	0.05	0.01	0.05	0.05
Stdev	-	0.03	-	-	0.00	0.00	0.00	0.00
n	1	3	1	1	3	3	3	3
DL Range	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
BC WQG	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Events Outside of Normal Operational Parameters

There were three environmental events communicated to regulatory authorities in Q1 of 2021, as detailed below. Island Health Authority and BC Parks are also notified of these events.

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Table 20: Summary of Events Outside Normal Operational Parameters in 2021

Incident Date	Incident Description	Permit or Regulation Limit Exceeded	Cause of Incident
Jan 13	Missed Sample	PE-6858	Not enough sample collected to run both total and dissolved metals due to autosampler error. Dissolved was not run on this sample, but was run on blended extra water from January 13 and 14th combined as a proxy.
Jan 14	Missed Sample	PE-6858	Not enough sample collected to run both total and dissolved metals due to autosampler error. Dissolved was not run on this sample, but was run on blended extra water from January 13 and 14th combined as a proxy.
March	Dissolved zinc over permit limit	PE-06858	Monthly grab sample at Price 13 portal exceeded permit limits for dissolved zinc.

X

Nicole Pesonen
Environmental Superintendent

Myra Falls Mine
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Myra Falls Mine

Quarterly Water Quality Report – Q2 2021

Submitted as required under Effluent Permit PE-06858

Prepared by Myra Falls Mine Environmental Dept.

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Introduction

Scope of Report

The following report details the environmental monitoring activities pertaining to the effluent permit PE-06858 issued under the Environmental Management Act and administered by the British Columbia Ministry of Environment and Climate Change Strategy (BC ENV) at the Myra Falls Mine from April 1 – June 30, 2021 (Q2). The report includes description of site environmental management systems, a data review report as required under PE-06858 Section 4.1, and a summary of unusual events occurring on site throughout the quarter.

Nyrstar Myra Falls Overview

Regional Environmental/Ecological Conditions

Location and Topography

The footprint of the Nyrstar Myra Falls mine site straddles the Myra Valley and the lower reaches of Myra Creek (Figure 2). Myra Creek flows from west to east through a steep-sided hanging valley and discharges over Myra Falls into Buttle Lake.

The slopes of Myra Valley climb steeply with an average gradient of 1.5H:1V. To the south, the slope rises to 1814 meters above sea level (MASL) at the summit of Mount Myra from the average valley bottom elevation of 307 MASL. Topography in the area exerts a strong influence on air mass movement and wind directions. Winds blow predominantly along the axis of the Myra Valley. At night, air masses are drawn down the mountains, continue along the valley floor and out over Buttle Lake. During the day, winds up cast along the mountainsides with air masses typically moving up the valley. Wind velocities at Nyrstar Myra Falls are generally low, typical of sites in protected valleys.

Myra Creek Drainage System

Myra Creek has a total length of 16 km and drains an area of 72 km^2 into Buttle Lake. Approximately 2km of Myra creek runs through the active mine site through an engineered channel. Myra Creek and its tributaries are characterized by steep, cascading mountain streams bounded by rock. The creek descends in elevation from 1,814 m to 221 m at Buttle Lake. Its three major tributaries are Tennent Creek, Arnica Creek and Webster Creek.

Myra Falls has three major clean water diversion ditches diverting water from upslope areas to Arnica Creek, Cascade Creek and Myra Creek from the north side of the site.

Flow Monitoring

There are two continuous streamflow monitoring stations.

- MYR-BDG-US, and
- MYR-BDG.

Station MYR-BDG-US is the original monitoring station for Myra Creek and is located beneath the main access road bridge. MYR-BDG is the new, long-term streamflow monitoring station installed in 2019. This station is located on the pipe bridge that crosses Myra Creek approximately 1 km downstream of MYR-BDG-US.

The new gauge is downstream of the effluent discharge point (MP-EFF) and Webster Creek. The new gauge instrumentation consists of a Campbell Scientific datalogger and radio telemetry system. The stage sensor is a non-contact FTS radar sensor, installed in the center of the pipe bridge overlooking the creek. The gauge conforms to RISC (2018) Grade A data quality standards and was installed by Swiftwater Consulting Ltd. ("Swiftwater").

Average daily flow rates in cubic metres per second for the quarter can be seen on the following table:

Table 1: Daily Flow Rates - MP-EFF & MYRA-BDG

Date	MP-EFF	MYR-BDG	Date	MP-EFF	MYR-BDG	Date	MP-EFF	MYR-BDG
Apr-01	0.249	2.555	**May-01**	0.287	13.445	**Jun-01**	0.325	22.117
Apr-02	0.399	2.584	**May-02**	0.271	10.134	**Jun-02**	0.393	22.359
Apr-03	0.529	2.661	**May-03**	0.449	9.433	**Jun-03**	0.416	21.187
Apr-04	0.375	2.802	**May-04**	0.426	10.138	**Jun-04**	0.321	15.990
Apr-05	0.314	2.493	**May-05**	0.417	9.488	**Jun-05**	0.281	16.370
Apr-06	0.354	2.420	**May-06**	0.392	10.881	**Jun-06**	0.303	11.031
Apr-07	0.457	2.558	**May-07**	0.361	10.573	**Jun-07**	0.307	8.441
Apr-08	0.312	2.389	**May-08**	0.340	7.108	**Jun-08**	0.355	9.541
Apr-09	0.382	2.440	**May-09**	0.494	6.559	**Jun-09**	0.338	8.104
Apr-10	0.348	2.387	**May-10**	0.362	7.869	**Jun-10**	0.317	7.541
Apr-11	0.395	2.271	**May-11**	0.414	9.490	**Jun-11**	0.279	7.431
Apr-12	0.413	2.144	**May-12**	0.315	14.351	**Jun-12**	0.300	12.300
Apr-13	0.405	2.078	**May-13**	0.423	16.612	**Jun-13**	0.308	15.682
Apr-14	0.356	2.099	**May-14**	0.341	17.206	**Jun-14**	0.273	12.385
Apr-15	0.407	2.929	**May-15**	0.347	16.808	**Jun-15**	0.382	12.546
Apr-16	0.289	5.677	**May-16**	0.309	20.130	**Jun-16**	0.305	10.949
Apr-17	0.251	9.463	**May-17**	0.265	19.848	**Jun-17**	0.306	10.202

Apr-18	0.300	12.837	**May-18**	0.223	14.544	**Jun-18**	0.294	10.476
Apr-19	0.423	14.323	**May-19**	0.344	8.536	**Jun-19**	0.333	13.105
Apr-20	0.373	14.133	**May-20**	0.328	7.151	**Jun-20**	0.371	14.312
Apr-21	0.438	14.148	**May-21**	0.351	8.817	**Jun-21**	0.374	13.876
Apr-22	0.472	12.381	**May-22**	0.455	12.322	**Jun-22**	0.293	14.598
Apr-23	0.417	10.409	**May-23**	0.433	17.007	**Jun-23**	0.281	14.516
Apr-24	0.350	9.411	**May-24**	0.347	16.914	**Jun-24**	0.220	13.638
Apr-25	0.273	9.238	**May-25**	0.260	14.870	**Jun-25**	0.299	14.340
Apr-26	0.290	9.180	**May-26**	0.339	12.078	**Jun-26**	0.420	16.435
Apr-27	0.369	8.358	**May-27**	0.457	16.717	**Jun-27**	0.292	15.798
Apr-28	0.434	7.787	**May-28**	0.336	12.452	**Jun-28**	0.268	14.620
Apr-29	0.397	12.115	**May-29**	0.297	11.427	**Jun-29**	0.336	13.985
Apr-30	0.413	18.153	**May-30**	0.336	14.331	**Jun-30**	0.355	12.232
			May-31	0.376	19.468			

Climate

The climate in the Myra Valley and surrounding areas is classified as Marine West Coast as per the Köppen Climate Classification System. Weather patterns are typical of other coastal regions of British Columbia. Frequent fronts from the Pacific Ocean and Gulf of Alaska combine with orographic influences to produce abundant precipitation. Prevailing westerly winds and the moderating influence of the Pacific Ocean result in generally mild winters and warm summers, producing a relatively narrow annual temperature range. Freezing conditions can be expected to occur anytime from October through May. Records indicate that the site should average 160 frost-free days per year.

Weather

The meteorological station is situated on-site approximately 250m south of the mill near the bunkhouse parking lot. This station recorded a total of 204.6mm of precipitation this quarter, all of which was rainfall. The highest precipitation day was experienced on May 27th, where 25.8mm was recorded. No precipitation events were recorded that were over an expected 1:1 annual exceedance probability event. Record breaking high temperatures were recorded in late June with daily highs hitting nearly 20 degrees Celsius above seasonal. A peak temperature of 42.3 degrees Celsius was recorded on the afternoon of June 28th.

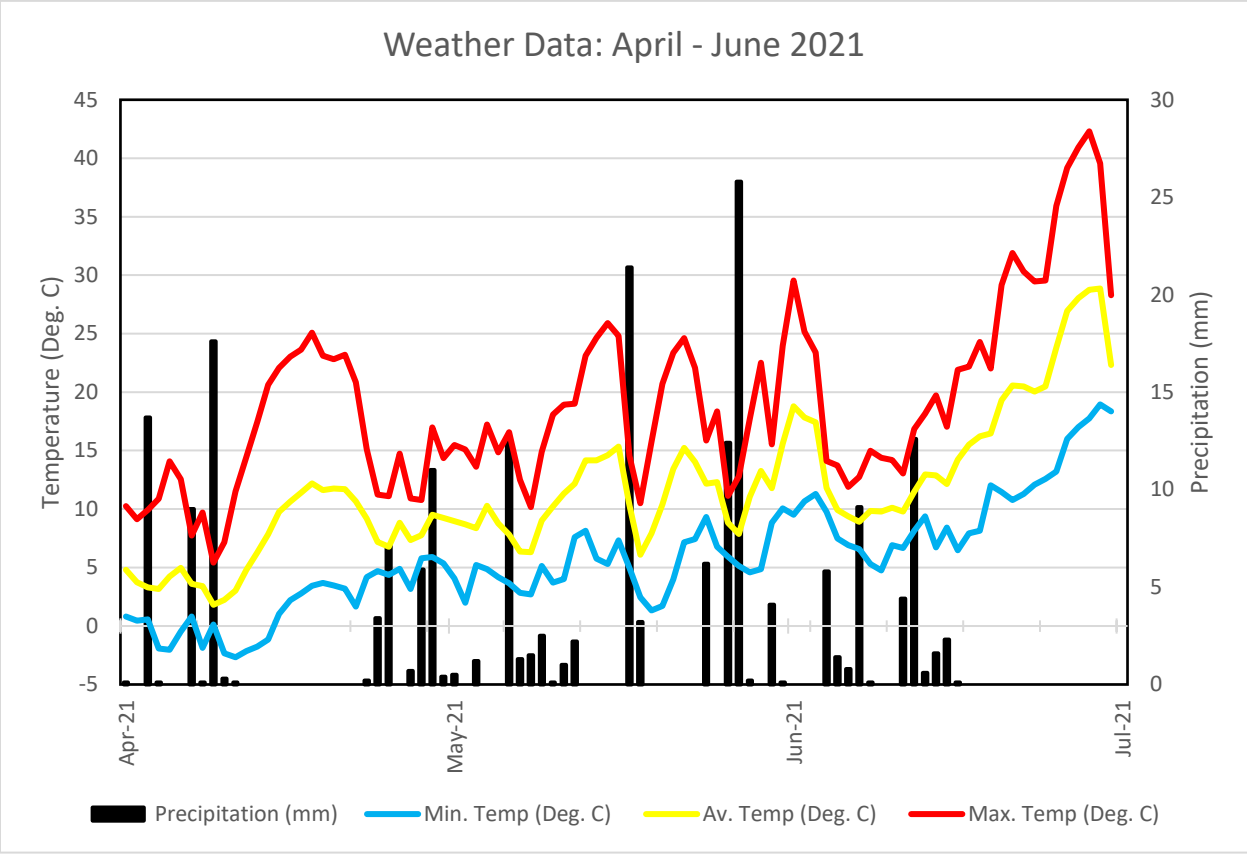


Figure 1: Meteorological Data

Tailings Disposal Facilities

From 1967-1984, tailings were deposited sub-aqueously into the south end of Buttle Lake. Since 1984, the mine has utilized surface tailings disposal facilities (TDF) for its tailings impoundments, starting with the Myra Tailings Disposal Facility (now referred to as the Old TDF), which was filled to completion in 2011. In 2008, an additional impoundment named the "Lynx TDF" became the main depositional facility for tailings. At final design elevation of 382.5m, the Lynx TDF will provide storage for approximately 1.5 Mt of pasted tailings equating to 8 additional years of surface deposition requirements at current production projections. Included in this design is the ability to store the 1:200 Annual Exceedance Probability (AEP) event 24-hour Environmental Design Flood (EDF) of 226,000 m^3, with flood waters in excess of that volume directed out of the facility through the Emergency Spillway to Myra Creek.

Lime Addition Water Treatment System

The water treatment system at Myra Falls collects and treats contaminated groundwater, surface runoff, mill effluent, tailings decant water, mine water and sewage treatment plant effluent. Contaminated water is directed to a ditch just

upstream of the primary reaction pond, (Superpond) where the pH is increased to a target pH of 10.2, (effective range between 10 and 10.5 pH) through the addition of lime slurry ($Ca(OH)_2$). The elevated pH causes metals to become insoluble and precipitate out of solution primarily as metal hydroxide sludge. The Superpond discharges into the Myra Polishing Ponds System, consisting of a series of 6 settling ponds that allow any remaining suspended solids to settle out of solution.

Except for Myra 3, which only decants to Myra Out, there are two potential discharge points for each settling pond. By adding or removing check boards, decant outflows can be increased, decreased, or ponds isolated completely in response to changing operational or environmental circumstances. A CO_2 sparger located immediately downstream of pond confluence adjusts the treated effluent's pH back down within permitted limits and is monitored continuously to maintain a target pH of 8.5 (effective operating range between 8.3 and 8.7 pH). The treated water is then discharged to Myra Creek via a 30" Parshall flume equipped with an ultrasonic device that continuously monitors flow rates.

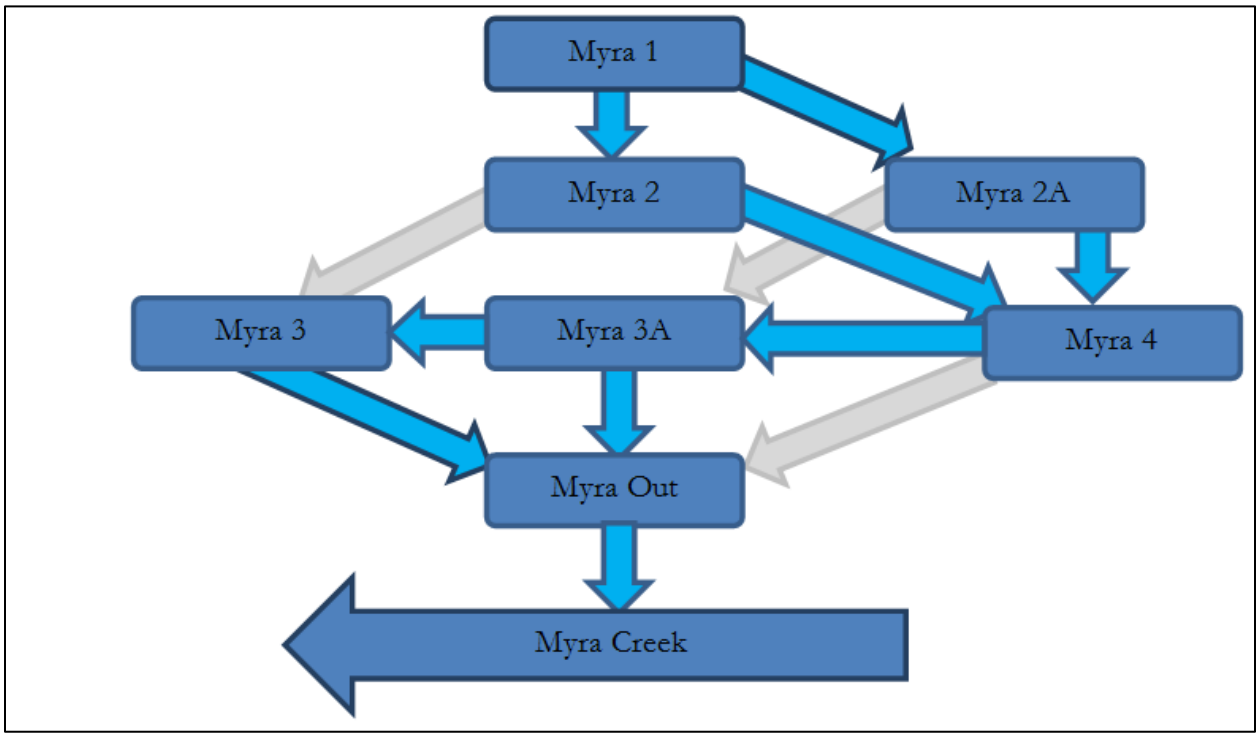


Figure 2: Treatment Ponds Configuration

Treatment ponds must be regularly cleaned of settled solids to maintain settling capacity and thus retention time to maintain operational effectiveness. The Superpond is equipped with an automated traversing barge and pump system (Mudcat) which

pumps sediment laden water to the active Tailings Disposal Facility (Lynx TDF) thereby slowing the rate of sludge build up in the Superpond and operating to maintain treatment capacity and residence time. The Myra Polishing Ponds have received a similar system as the Superpond for removing sludge but is operated on an "as needed" basis. The system was commissioned in Q2 2021 and has prioritized removal of sludge from Ponds 1, 2 & 2A.

Water Quality Monitoring

The water quality monitoring program at Myra falls is outlined in the Effluent Permit PE-06858 Section 3; monitoring locations are described in Table 2; sampling frequencies and analytical requirements are detailed in Table 3. Results of this monitoring program are discussed in the following sections.

A permit amendment was received July 5th, 2018 that changed some of the monitoring requirements. This has resulted in additional sampling locations and changes to some of the methodologies used, mid-way through the year. These changes are discussed in the following section on sampling methodology and depicted in the tables below.

Table 2: Monitoring Requirements

Site Name / SNR	Monitoring Purpose
Tailings Impoundment Decant Effluent **TDF-EFF** **SRN: E207740**	Monitored for quality to determine compliance with effluent limits as per PE-06858. This water is currently routed to treatment as the decant structure to allow flows to creek has not yet been constructed.
Outlet at Superpond Inlet Ditch (eastern mine footprint) **TDF Dissipater Outlet** **E311488**	Monitored for quality to determine the concentrations of influent to the treatment system. Aids in assessing the effectiveness of treatment, characterizing the incoming contaminants from the Eastern portion of the surface footprint of the mine, as well as the Lynx Spring Drain and the Myra Tailings Dam (Old TDF) Underdrain system.
Outlet at Superpond Inlet Ditch (western mine footprint) **Mill Run - Off Collection Ditch** **E311028**	Monitored for quality to determine the concentrations of influent to the treatment system. Aids in assessing the effectiveness of treatment, characterizing the incoming contaminants from the Western portion of the surface footprint of the mine, as well as the Mill Effluent and the Outflow from the sewage treatment systems.
Mine contact water effluent outfall **MP-EFF** **E100666**	Monitored for quality to ensure treatment system is operating within expected parameters and to determine compliance with effluent limits as per PE-06858. This water is monitored at the decant location to Myra Creek.
Price Pond, below Portal #13 **PR-13L** **E100662**	Monitored for quality to determine compliance with effluent limits as per PE-06858. This facility is an infiltration basin, infiltrating to ground and does not allow surface flow out of the facility as designed.

Site Name / SNR	Monitoring Purpose
Sewage effluent from HW treatment plant **HW STP E311008**	Monitored to ensure compliance with permit limits and effectiveness of treatment.
Sewage effluent from Myra treatment plant **Myra STP E311009**	Monitored to ensure compliance with permit limits and effectiveness of treatment
Myra Creek, 30 m upstream from Tennent Hydro Plant **MC-M1** **EMS-0124784**	This location serves as the upstream reference site to determine the relative impacts on Myra Creek by the Myra Falls Operations. The hardness as measured at MC-M1 Monitoring Location is used to determine the hardness based WQG for all Myra Creek Monitoring Sites.
Myra Creek, 1.3 km downstream from Lower Lynx Diversion Ditch **MC-M2 EMS-0124785**	This location is the furthest downstream monitoring location in Myra Creek and is downstream of all mine-related inputs. This site is also downstream of the clean-fill quarries used by the mine as reclamation cover materials.
Myra Creek, below Pumphouse #4 **MC-TP4D/M** **EMS- E206805**	Located immediately downstream of Pumphouse 4, downstream of the seepage collection system, upstream of the Lower Lynx Diversion Ditch. This site monitors the immediate impacts of the mine to Myra Creek.
Mid lake off Henshaw Creek depths @ 0 m, 10 m, 20 m, 40 m, 60 m and 100 m **HENSHAW** **EMS-0130082**	Buttle Lake approximately 2.8 km downstream of the base of Myra Falls This site monitors the water quality impacts of the mine to Buttle Lake both at surface and at depth.
Mid lake off Karst Creek depths @ 0 m, 10 m, 20 m, 40 m, 60 m and 100 m **KARST** **EMS-0130090**	Mid lake off Ralph River Boat Launch. Approx. 600m from boat launch.
Buttle Lake off Gold River Bridge depth @ surface **BL-GOLD** **EMS-0130080**	This is the sample site located furthest downstream from the mine. It is sampled in conjunction with the Myra Creek samples at the Buttle Narrows.

Table 3: Analytical Requirements

Sampling Point Description	Mid Lake off Henshaw Creek (HENSHAW)	Mid Lake off Ralph River Boat Ramp (KARST)
Field Measurements and Frequency		
pH	ETM-G	ETM-G
Dissolved Oxygen	ETM-G	ETM-G
Temperature	ETM-G	ETM-G
Specific Conductivity	ETM-G	ETM-G
Secchi Disk	ETM-G	ETM-G
Analytical Parameters and Frequency		
pH	ETM-G	
Total Suspended Solids	ETM-G	

Turbidity	ETM-G
Total Alkalinity	-
Total and Dissolved Aluminium	ETM-G
Total and Dissolved Cadmium	ETM-G
Total and Dissolved Calcium	ETM-G
Total and Dissolved Copper	ETM-G
Total and Dissolved Iron	ETM-G
Total and Dissolved Lead	ETM-G
Total and Dissolved Phosphorus	ETM-G
Total and Dissolved Manganese	ETM-G
Nitrogen (as Ammonia)	ETM-G
Nitrate/Nitrite	ETM-G
Silica	ETM-G
Sulphate	ETM-G
Total and Dissolved Zinc	ETM-G
Biological Parameters and Frequency	
Zooplankton, 25 m vertical haul, species identification and count	ETM-G
Phytoplankton, surface sample, species identification and count	ETM-G
Chlorophyll “a”	ETM- G

Sampling Point Description	Tailings Impoundment Decant Effluent	Outlet at Superpond Inlet Ditch (eastern mine footprint)	Outlet at Superpond Inlet Ditch (western mine footprint)	Mine contact water effluent outfall	Price Pond, below Portal #13	Sewage effluent from two treatment plants

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Physical Parameters and Frequency						
Flow	D when discharging	-		Co	-	
Analytical Parameters and Frequency						
pH	Co-R	Q-G	Q-G	Co-R	M-G	-
TSS	M-G	Q-G	Q-G	M-G	-	BA-G
Total Zinc	D-G	Q-G	Q-G	D-C	M-G	-
Dissolved Zinc	M-G	Q-G	Q-G	M-G	-	
Total Copper	D-G (LDL)	Q-G	Q-G	D-C (LDL)	M-G	-
Dissolved Copper	D-G (LDL)	Q-G	Q-G	D-C (LDL)	-	
Total Cadmium	Q-G				-	
Dissolved Cadmium	Q-G				-	
Total Lead	W-G	Q-G	Q-G	W-G	-	
Dissolved Lead	M-G	Q-G	Q-G	M-G	-	
Sulphate	Q-G				-	
Total Nitrogen	Q-G				-	
Total Phosphorus	Q-G				-	
Bioassay Parameters and Frequency						
Toxicity Test[3]	Q-G	-		Q-G	-	
5 day Biochemical Oxygen Demand	-					**BA-G**

Sampling Point Description	**Myra Creek, 30 m upstream from Hydro Plant**	**Myra Creek, 75 m downstream from Line Bridge crossing**	**Myra Creek, below Pumphouse #4**
Analytical Parameters and Frequency			
pH	Q-G	M-G	D-C
Temperature	-	M	-
Total Zinc	Q-G	M-G	D-C
Dissolved Zinc	Q-G	M-G	M-G
Total and Dissolved Aluminium	Q-G		
Total and Dissolved Cadmium	-	M-G	M-G
Total and Dissolved Copper	Q-G	M-G	D-C (LDL)
Total and Dissolved Iron	Q-G		
Total and Dissolved Lead	Q-G	M-G	M-G
Total and Dissolved Phosphorus	-	M-G	-
Nitrogen (as Ammonia)	-	M-G	-
Nitrate/Nitrite	-	M-G	-
Sulphate	-	M-G	-

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Sampling Methodology

Daily Composite Monitoring

Treated effluent is discharged from a point source location listed in the permit as Myra Ponds or MP-EFF (EMS-ID E100666). This location is sampled daily with a YSI pro sample P series composite autosampler, which takes 125mL samples every 3 hours (8 aliquots per day totalling one 1000 mL composite sample). Daily composites are collected weekly and shipped to an accredited off-site lab for analysis of total and dissolved metals analysis. Effluent pH and flow are continuously monitored through an automated logging system, with quality control checks performed by operational personnel every 6 hours. Daily composite samples at TP4 are collected with a Sigma SD900 autosampler, using the similar volumes and the same sampling frequency described above.

The Myra Falls Mine has opted to complete the analyses for the full suite of dissolved and total metals for each daily composite collected. Full metals analyses provide more information used to improve the calibration of the Site-Wide Geochemical Model developed to determine the potential future impacts of different water management systems and to assess potential closure plan options prior to design work being completed for permitting.

Surface Grab Samples

Grab samples are collected weekly, monthly, bi-monthly, and quarterly and semi-annually as required by PE-06858. The samples are sent off-site for analyses of total suspended solids (TSS), total and dissolved metals, numerous anions, nutrients, and various other general chemical parameters. Acute and chronic toxicity tests and perform monthly and semi-annual respectively and include: 96-hr rainbow trout (RBT) LC_{50} (acute). While not displayed in this report, results from acute lethality for RBT were favourable and did not have survival of <50% in a 96-hour test.

Receiving Environment Depth Profile Samples (Buttle Lake)

Every second month, a depth profile for two separate sites on Buttle Lake is developed by collecting grab samples at various depth intervals with a Van Dorn or Kemmerer Sampler. The Henshaw Location is approximately 2.8 km downstream of the base of Myra; the Karst Location is approximately 8.5 km downstream from the base of Myra Falls. Both sites are sampled at depths 0, 10, 20, 40, 60, and 100 meters. When the 100 m depth cannot be reached due to shallowness of the lake, a sample is collected 1 meter above the lake bed, as measured by a fish finder to prevent stirring of bottom sediments into the water column and skewing the results of the total metals analysis.

In addition to water chemistry, surface samples of phytoplankton and chlorophyll-a, and a 25 m vertical tow to sample zooplankton are collected as part of the Buttle Lake sampling program. Field physical parameters (temperature, pH, specific conductivity, and dissolved oxygen) are taken at in 5 m intervals from surface to depths of 50 meters using a Sonde. A secchi disk is deployed to determine clarity at each location.

During this quarter, 2 sampling events occurred for both sites: once in April, once in June. Results for field measurements are as follows:

Table 4: Buttle Lake Physical Parameters - April 2021

Henshaw (BL-HEN)					
Depth	**DATE**	**PH-L**	**TEMP-F (Deg C)**	**SP-COND (uS/cm)**	**DO-F (mg/L**
0	2021-04-20	7.40	11.11	64.0	11.48
5	2021-04-20		8.82	66.3	11.85
10	2021-04-20	7.44	7.18	72.7	12.02
15	2021-04-20		6.13	73.9	11.90
20	2021-04-20	7.42	5.65	74.1	11.82
25	2021-04-20		5.45	74.9	11.82
30	2021-04-20		5.36	75.6	11.82
35	2021-04-20		5.23	76.0	11.81
40	2021-04-20	7.44	5.14	75.9	11.81
45	2021-04-20		5.08	75.8	11.79
50	2021-04-20		4.95	75.3	11.77
60	2021-04-20	7.44	4.84	75.9	11.68
66	2021-04-20	7.45	4.82	75.9	11.60
Lake Depth – 68m Secchi – 11.0m					
Karst (BL-KARS)					
Depth	**DATE**	**PH-L**	**TEMP-F (Deg C)**	**SP-COND (uS/cm)**	**DO-F (mg/L**
0	2021-04-20	6.96	9.40	62.7	11.43
5	2021-04-20	7.12	8.67	62.7	11.53
10	2021-04-20	7.31	7.51	62.8	11.67
15	2021-04-20	7.37	6.89	62.2	11.72
20	2021-04-20	7.38	6.59	62.3	11.75
25	2021-04-20		6.10	63.2	11.73
30	2021-04-20		5.96	63.6	11.71
35	2021-04-20		5.74	63.0	11.68
40	2021-04-20	7.48	5.59	63.1	11.67
45	2021-04-20		5.52	63.3	11.66
50	2021-04-20		5.50	64.4	11.67
60	2021-04-20	7.3	5.4	64.8	11.660
100	2021-04-20	7.41	5.140	63	10.91
Lake Depth – 132.2m					

Secchi – 12.0m

A pH probe failure occurred mid-way through sampling during the April sampling event. pH readings were made in the laboratory post-sampling for the depths obtained for chemical analyses.

Table 5: Buttle Lake Physical Parameters - June 2021

Henshaw (BL-HEN)					
Depth	**DATE**	**PH-L**	**TEMP-F (Deg C)**	**SP-COND (uS/cm)**	**DO-F (mg/L**
0	2021-06-10	6.93	12.34	60.8	10.9
5	2021-06-10	6.99	12.27	60.7	10.9
10	2021-06-10	6.93	11.22	57.5	11.1
15	2021-06-10	6.91	9.00	53.8	11.59
20	2021-06-10	6.85	8.14	55.7	11.68
25	2021-06-10	6.82	7.22	63.4	11.69
30	2021-06-10	6.78	6.31	70.3	11.57
35	2021-06-10	6.77	6.01	71.2	11.51
40	2021-06-10	6.75	5.62	75.1	11.48
45	2021-06-10	6.90	5.49	76.0	11.44
50	2021-06-10	6.91	5.44	76.6	11.32
60	2021-06-10	6.92	5.41	76.7	11.30
66	2021-06-10	6.93	12.34	60.8	10.9
Lake Depth – 68m Secchi – 11.0m					
Karst (BL-KARS)					
Depth	**DATE**	**PH-L**	**TEMP-F (Deg C)**	**SP-COND (uS/cm)**	**DO-F (mg/L**
0	2021-06-10	7.71	13.16	62.7	11.43
5	2021-06-10	7.63	12.45	62.7	11.53
10	2021-06-10	7.51	10.89	62.8	11.67
15	2021-06-10	7.41	9.38	62.2	11.72
20	2021-06-10	7.34	7.68	62.3	11.75
25	2021-06-10	7.33	6.49	63.2	11.73
30	2021-06-10	7.30	6.11	63.6	11.71
35	2021-06-10	7.28	6.09	63.0	11.68
40	2021-06-10	7.27	6.00	63.1	11.67
45	2021-06-10	7.24	5.87	63.3	11.66
50	2021-06-10	7.23	5.79	64.4	11.67
60	2021-06-10	7.31	5.70	64.8	11.660
Lake Depth – 134.0m Secchi – 8.0m					

Myra Falls Mine
A Trafigura Group Company

Results for required analytical parameters per the effluent permit are found in the tables below. Note that results below detection limits are bolded and all reported results are in ug/L unless otherwise stated:

Table 6: Table 4: Buttle Lake Chemical Parameters - April 2021

Karst - April 21, 2021						
Parameter	**0m**	**10m**	**20m**	**40m**	**60m**	**100m**
pH (pH units)	7.3	7.37	7.36	7.16	7.23	7.23
TSS (mg/L)	**2**	**2**	**2**	**2**	**2**	**2**
Turbidity (NTU)	0.2	0.19	0.22	0.15	0.16	0.16
Al-D	11	10.6	11.1	12	14.5	11.1
Al-T	13.5	15.3	17.9	16.2	16.5	15.4
Cd-D	0.0219	0.0217	0.0213	0.022	0.0246	0.0256
Cd-T	0.0214	0.0209	0.0223	0.0222	0.0273	0.0241
Ca-D	9380	9440	9420	9440	9570	9380
Ca-T	8770	8590	8600	8790	9020	8750
Cu-D	1.18	1.08	1.13	1.26	1.26	1.21
Cu-T	0.78	0.71	0.79	0.75	0.72	0.72
Fe-D	4.9	4	4.6	4.1	4.9	3.5
Fe-T	8.5	10	12.2	9.5	9.2	8.2
Pb-D	0.144	**0.05**	**0.05**	0.128	0.15	0.089
Pb-T	0.122	0.07	0.096	**0.05**	**0.05**	0.227
P-D	**10**	**10**	**10**	**10**	**10**	**10**
P-T	**10**	**10**	**10**	**10**	**10**	**10**
Mn-D	1.56	1.2	1.13	0.981	1.17	1.22
Mn-T	2.01	1.9	2.1	1.81	2.08	2.44
Nitrogen as ammonia (mg/L)	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**
Nitrate/Nitrite (mg/L)	0.0311	0.0292	0.0326	0.0336	0.0375	0.0355
Silica	3.75	3.71	3.71	3.67	3.71	3.67
Sulphate (mg/L)	3.9	3.9	7.5	4.4	4.8	4.3
Zn-D	8.1	6.7	7.5	8.1	8.6	9.1
ZN-T	7.5	8.4	7.5	6.6	8	8.2
Henshaw - April 21, 2021						
Parameter	**0m**	**10m**	**20m**	**40m**	**60m**	**Bottom (66m)**
pH (pH units)	7.26	7.24	7.23	7.25	7.27	7.27
TSS (mg/L)	**2**	**2**	**2**	**2**	**2**	**2**
Turbidity (NTU)	0.18	0.18	0.19	0.18	0.17	0.16
Al-D	17.6	18.8	19.1	17.8	16.8	21.4
Al-T	15.6	21.7	20.6	21.5	21.9	23.5
Cd-D	0.0248	0.0369	0.0404	0.0445	0.0526	0.0478
Cd-T	0.0271	0.0322	0.0365	0.0437	0.051	0.0506
Ca-D	9600	10400	10800	11100	11000	11100
Ca-T	8840	9270	9490	10100	10300	10700
Cu-D	2.25	1.51	1.38	1.45	1.49	1.59

Cu-T	1.63	0.8	0.85	1.06	1.09	1.15
Fe-D	6.8	13.9	14.8	9.1	6.6	8.6
Fe-T	9.5	18.9	17.1	17.2	14.2	17.5
Pb-D	0.48	0.155	**0.05**	0.055	**0.05**	0.079
Pb-T	0.67	**0.05**	0.061	0.092	0.085	0.115
P-D	**10**	**10**	**10**	**10**	**10**	**10**
P-T	**10**	**10**	**10**	**10**	**10**	**10**
Mn-D	2.17	4.51	4.58	3.14	3.03	3.94
Mn-T	2.45	4.08	4.61	4.66	4.53	5.43
Nitrogen as ammonia (mg/L)	**0.05**	**0.05**	0.064	**0.05**	**0.05**	**0.05**
Nitrate/Nitrite (mg/L)	0.0339	0.0401	0.0443	0.0461	0.0522	0.0517
Silica	3.75	3.67	3.59	3.63	3.55	3.59
Sulphate (mg/L)	4.4	6	6.7	8.1	8.7	8.6
Zn-D	9.6	12.5	18.7	15.1	15.9	17.5
ZN-T	8.3	9.9	11.3	14.6	16	16
**** All results in µg/L unless otherwise stated***						

Table 7: Table 4: Buttle Lake Chemical Parameters - June 2021

Karst - June 10, 2021						
Parameter	**0m**	**10m**	**20m**	**40m**	**60m**	**100m**
pH (pH units)	7.3	7.37	7.36	7.16	7.23	7.23
TSS (mg/L)	**2**	**2**	**2**	**2**	**2**	**2**
Turbidity (NTU)	0.2	0.19	0.22	0.15	0.16	0.16
Al-D	11	10.6	11.1	12	14.5	11.1
Al-T	13.5	15.3	17.9	16.2	16.5	15.4
Cd-D	0.0219	0.0217	0.0213	0.022	0.0246	0.0256
Cd-T	0.0214	0.0209	0.0223	0.0222	0.0273	0.0241
Ca-D	9380	9440	9420	9440	9570	9380
Ca-T	8770	8590	8600	8790	9020	8750
Cu-D	1.18	1.08	1.13	1.26	1.26	1.21
Cu-T	0.78	0.71	0.79	0.75	0.72	0.72
Fe-D	4.9	4	4.6	4.1	4.9	3.5
Fe-T	8.5	10	12.2	9.5	9.2	8.2
Pb-D	0.144	**0.05**	**0.05**	0.128	0.15	0.089
Pb-T	0.122	0.07	0.096	**0.05**	**0.05**	0.227
P-D	**10**	**10**	**10**	**10**	**10**	**10**
P-T	**10**	**10**	**10**	**10**	**10**	**10**
Mn-D	1.56	1.2	1.13	0.981	1.17	1.22
Mn-T	2.01	1.9	2.1	1.81	2.08	2.44
Nitrogen as ammonia (mg/L)	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**
Nitrate/Nitrite (mg/L)	0.0311	0.0292	0.0326	0.0336	0.0375	0.0355
Silica	3.75	3.71	3.71	3.67	3.71	3.67
Sulphate (mg/L)	3.9	3.9	7.5	4.4	4.8	4.3

Zn-D	8.1	6.7	7.5	8.1	8.6	9.1
ZN-T	7.5	8.4	7.5	6.6	8	8.2
Henshaw - June 10, 2021						
Parameter	**0m**	**10m**	**20m**	**40m**	**60m**	**Bottom (73m)**
pH (pH units)	7.63	7.64	7.57	7.64	7.63	7.64
TSS (mg/L)	**2**	**2.9**	**2.9**	**2**	**2.5**	**2.5**
Turbidity (NTU)	0.42	0.24	0.25	0.18	0.16	0.17
Al-D	19.7	13.4	18.7	11.9	10.7	11.8
Al-T	20.2	20.7	20.8	14.9	15.1	14
Cd-D	0.021	0.0159	0.0218	0.0213	0.0188	0.0205
Cd-T	0.0204	0.025	0.0235	0.0191	0.019	0.0229
Ca-D	10000	9850	9670	10500	10300	10400
Ca-T	9590	9630	9760	10000	10000	10100
Cu-D	0.8	0.47	0.51	0.55	0.53	0.55
Cu-T	0.83	0.96	0.72	0.69	0.76	0.76
Fe-D	3.3	**2**	2.5	**2**	**2**	**2**
Fe-T	14.8	13.2	11.3	7.8	8.3	24.9
Pb-D	0.138	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**
Pb-T	3.84	0.224	0.055	**0.05**	**0.05**	0.1
P-D	**10**	**10**	**10**	**10**	**10**	**10**
P-T	**10**	**10**	**10**	**10**	**10**	**10**
Mn-D	1.21	0.89	0.474	0.368	0.471	0.845
Mn-T	1.74	1.7	2.19	2.08	1.99	2.81
Nitrogen as ammonia (mg/L)	**0.05**	**0.05**	0.064	**0.05**	**0.05**	**0.05**
Nitrate/Nitrite (mg/L)	0.0339	0.0401	0.0443	0.0461	0.0522	0.0517
Silica	3.75	3.67	3.59	3.63	3.55	3.59
Sulphate (mg/L)	4.4	6	6.7	8.1	8.7	8.6
Zn-D	9.6	12.5	18.7	15.1	15.9	17.5
ZN-T	8.3	9.9	11.3	14.6	16	16
**** All results in µg/L unless otherwise stated***						

Water Treatment Monitoring and Performance

Flows through the water treatment system come from multiple sources, including surface run-off, groundwater recovery systems, underground mine dewatering systems and process water from the mill, amongst other inputs.

A reclaim pump is located just upstream from the final effluent discharge point to collect treated water for use in processing or dust suppression to reduce the site requirement for fresh water from Tennent, Arnica and Myra Creeks.

Effluent

Effluent flow is monitored continuously by a 30" Parshall flume with an ultrasonic flow measuring device, located approximately 5 m downstream from the reclaim pumps. The flow rate is recorded every minute in the mill historian, and this information is used to calculate the daily flow.

The TDF-Effluent location monitors the quality of the flows entering the TDF that may be released to the receiving environment without treatment when permit limits are met, all flows from the Old TDF are currently treated for pH and metals concentration through the Superpond and are not discharged to the receiving environment as the infrastructure required to allow this to occur has not yet been constructed. No discharges from TDF-Effluent were observed in Q2.

Flows from the Price 13 Level Portal are directed to an exfiltration basin referred to as Price Pond. This flow is measured periodically to ensure compliance via a manual measurement taken by measuring the time it takes to fill a container of known volume and calculating the flow rate using the average time of three or more tests. Flows to the Price Pond are authorized at a rate of 3,450 m^3/day.

Table 8: Permitted Effluent Concentrations

Site Parameter	Tailings Pond Effluent	Myra Pond Effluent	Price Pond (east side)
pH		6.5-10 pH Units	6.5-8.5 pH Units
Total suspended solids <110,000 m^3/day	20	25 mg/L	25mg/L
Total suspended solids>110 000 m^3/ day		50 mg/L	
Total Zinc	0.5 mg/L	1.0 mg/L	1.0 mg/L
Dissolved Zinc	0.25mg/L	0.5 mg/L	0.5 mg/L
Total Copper	0.30mg/L	0.6 mg/L	0.6 mg/L
Dissolved Copper	0.10 mg/L	0.2 mg/L	0.2 mg/L
Dissolved Cadmium	0.003 mg/L	0.005 mg/L	0.005 mg/L
Dissolved Lead	0.030 mg/L	0.05 mg/L	0.05 mg/L
Toxicity (96 hr LC_{50})		100%	

Influent

Routine monitoring of influent to the water treatment system is required by permit PE-06858. Grab samples are to be collected from two stations:

- MILL DITCH station. Primarily consists of flows from the Lynx 10L East adit, the Lynx Ditch, and decant flows from the Lynx TDF.
- DISSIPATER station. Primarily consists of groundwater flows from the Old TDF under-drains via Pumphouse No. 4 and flows from the Surge Pond and Springs Drain during high flow periods

Effluent and Receiving Environment Results

The following section provides analyses of results comparing the receiving environment water quality to the BC Water Quality Guidelines for Freshwater Aquatic Life (WQGs) for the parameters listed in the permit PE-06858. Cells highlighted in pink indicate an exceeded maximum (acute) total water quality guideline, cells highlighted in orange indicate an exceeded 30-day average (chronic) total water quality guideline and numbers highlighted in bold are below the laboratory published Reliable Detection Limit (RDL), but entered as RDL for calculation purposes.

Most of the water quality grab samples have been taken at a frequency of less than 5 times in 30 days, and therefore a comparison to the 30-day average (chronic) water quality guideline is not directly applicable. However, the chronic guideline has been included in the charts for reference. Effluent concentration limits are outlined in PE-06858 by authorized discharge location and are summarized in Table 8.

For all parameters with hardness-based water quality guidelines discussed in this report, sample site Gold River (Buttle Lake at Buttle Narrows) calculated using in situ hardness, as there are no upstream analogues appropriate for this location. Sample site MC-M1 (Myra Creek upstream of Tennent Creek) is used for all Myra Creek sampling locations; this sample site is only sampled quarterly, so the average hardness for this location is used in months were a direct measurement is not available.

Daily Composite Results

The following tables display analytical results from daily composites. All metals results are stated in mg/L:

Table 9: April Composite Results

DATE	MP-EFF-D (T-Zn)	MP-EFF-D (T-Cu)	MP-EFF-D (D-Cu)	MC-TP4-D (T-Zn)	MC-TP4-D (T-Cu)	MC-TP4-D (D-Cu)	Precip. (mm)
2021-04-01	0.058	0.0079	0.00321	0.0926	0.0024	0.0020	0.1
2021-04-02	0.082	0.0094	0.00294	0.1020	0.0026	0.0021	0
2021-04-03	0.100	0.0132	0.00392	0.0894	0.0030	0.0021	13.7
2021-04-04	0.087	0.0136	0.00495	0.0877	0.0027	0.0023	0.1
2021-04-05	0.100	0.0178	0.00611	0.1000	0.0028	0.0024	0
2021-04-06	0.0424	0.00852	0.0104	0.0746	0.0038	0.0036	0
2021-04-07	0.0495	0.00824	0.00729	0.0688	0.0022	0.0022	9
2021-04-08	0.042	0.00774	0.00655	0.0715	0.0023	0.0020	0.1
2021-04-09	0.0501	0.00766	0.00567	0.0814	0.0030	0.0029	17.6
2021-04-10	0.0483	0.0065	0.00457	0.0780	0.0024	0.0022	0.3
2021-04-11	0.0575	0.00771	0.00448	0.0829	0.0031	0.0025	0.1

2021-04-12	0.0563	0.00926	0.00508	0.0866	0.0024	0.0021	0
2021-04-13	0.0627	0.0112	0.00621	0.0817	0.0019	0.0025	0
2021-04-14	0.066	0.0163	0.00916	0.0769	0.0018	0.0020	0
2021-04-15	0.0649	0.00707	0.00551	0.0607	0.0030	0.0025	0
2021-04-16	0.0558	0.00596	0.00419	0.0520	0.0034	0.0026	0
2021-04-17	0.0494	0.00408	0.0021	0.0454	0.0035	0.0029	0
2021-04-18	0.0603	0.00452	0.00196	0.0506	0.0038	0.0033	0
2021-04-19	0.073	0.00611	0.00311	0.0590	0.0026	0.0021	0
2021-04-20	0.0758	0.00922	0.00364	0.0541	0.0026	0.0019	0
2021-04-21	0.0992	0.0116	0.00527	0.0603	0.0023	0.0017	0
2021-04-22	0.0457	0.00523	0.00462	0.0609	0.0026	0.0094	0
2021-04-23	0.0349	0.00859	0.008	0.0659	0.0019	0.0035	0.2
2021-04-24	0.0473	0.00808	0.00608	0.0628	0.0022	0.0029	3.4
2021-04-25	0.0383	0.00926	0.00785	0.0552	0.0020	0.0023	7.1
2021-04-26	0.0352	0.0122	0.0103	0.0623	0.0028	0.0027	0
2021-04-27	0.0371	0.00766	0.00638	0.0732	0.0018	0.0021	0.7
2021-04-28	0.0312	0.00802	0.00576	0.0765	0.0027	0.0029	5.9
2021-04-29	0.0328	0.00804	0.00683	0.0724	0.0022	0.0023	11
2021-04-30	0.0342	0.00799	0.00529	0.0718	0.0024	0.0026	0.4
Average	0.0572	0.0090	0.0056	0.0719	0.0026	0.0027	
Max	0.1000	0.0178	0.0104	0.102	0.0038	0.0094	
Min	0.0312	0.0041	0.00196	0.0454	0.0018	0.0017	
Criteria	Permit Limit (PE-06858)			BC WQG			
Max	1.00	0.60	0.20	0.0330	n/a	0.0042	
30 day av.	n/a	n/a	n/a	0.0075	n/a	0.00110	
Exceedance of Max				Exceedance of 30-Day av.			

There were no missed samples in April 2021 and all reported results were within permit limits for MP-EFF composites. As expected, all composite samples obtained at MC-TP4 exceeded max WQG for total Zinc including the 30-day average. MC-TP4 saw an exceedance of the 30-day average WQG for dissolved copper where one sample exceeded the max WQG.

Table 10: May Daily Composite Results

DATE	MP-EFF-D (T-Zn)	MP-EFF-D (T-Cu)	MP-EFF-D (D-Cu)	MC-TP4-D (T-Zn)	MC-TP4-D (T-Cu)	MC-TP4-D (D-Cu)	Precip. (mm)
2021-05-01	0.0408	0.00737	0.00499	0.0783	0.0028	0.0028	0.5
2021-05-02	0.0545	0.00779	0.00395	0.0815	0.0022	0.0024	0
2021-05-03	0.0827	0.0116	0.00505	0.0792	0.0024	0.0024	1.2
2021-05-04	0.0762	0.00619	0.00528	0.0707	0.0009	0.0020	0
2021-05-05	0.0716	0.00631	0.0043	0.0784	0.0011	0.0018	0
2021-05-06	0.0707	0.00465	0.00354	0.0757	0.0012	0.0019	12.4
2021-05-07	0.0414	0.00408	0.00323	0.0715	0.0011	0.0018	1.3
2021-05-08	0.0474	0.00433	0.00297	0.0782	0.0008	0.0016	1.5
2021-05-09	0.0549	0.00612	0.00338	0.0808	0.0008	0.0016	2.5
2021-05-10	0.0507	0.00741	0.00399	0.0868	0.0014	0.0020	0.1
2021-05-11	0.0792	0.0109	0.00537	0.109	0.0018	0.0021	1

2021-05-12	0.0658	0.00494	0.0053	0.0602	0.0022	0.0029	2.2
2021-05-13	0.0712	0.00544	0.00432	0.07	0.0037	0.0041	0
2021-05-14	0.0641	0.00658	0.00497	0.0674	0.0035	0.0040	0
2021-05-15	0.0668	0.00877	0.00585	0.0707	0.0020	0.0069	0
2021-05-16	0.0713	0.0106	0.00744	0.0757	0.0040	0.0034	0
2021-05-17	0.0834	0.0133	0.00758	0.0734	0.0029	0.0035	21.4
2021-05-18	0.162	0.0232	0.00933	0.0863	0.0013	0.0022	3.2
2021-05-19	0.063	0.0067	0.00526	0.0696	0.0035	0.0030	0
2021-05-20	0.050	0.0073	0.00554	0.0659	0.0021	0.0021	0
2021-05-21	0.050	0.0075	0.00505	0.0574	0.0021	0.0019	0
2021-05-22	0.051	0.0097	0.00618	0.0637	0.0032	0.0029	0
2021-05-23	0.056	0.0092	0.00511	0.0727	0.0023	0.0021	0
2021-05-24	0.056	0.0100	0.00574	0.076	0.0028	0.0026	6.2
2021-05-25	0.058	0.0111	0.00595	0.0721	0.0024	0.0022	0
2021-05-26	0.067	0.0117	0.00502	0.0776	0.0020	0.0018	12.4
2021-05-27	0.0694	0.00687	0.00935	0.0668	0.0032	0.0044	25.8
2021-05-28	0.0703	0.0075	0.00603	0.0755	0.0025	0.0034	0.2
2021-05-29	0.0769	0.00938	0.00678	0.0673	0.0025	0.0032	0
2021-05-30	0.0722	0.00944	0.0067	0.071	0.0029	0.0035	4.1
2021-05-31	0.0694	0.0122	0.00796	0.0779	0.0028	0.0039	0.1
Average	0.0666	0.0086	0.0055	0.0744	0.0023	0.0028	
Max	0.162	0.0232	0.00935	0.109	0.0040	0.0069	
Min	0.0408	0.00408	0.00297	0.0574	0.0008	0.0016	
Criteria	Permit Limit (PE-06858)			BC WQG			
Max	1.00	0.60	0.20	0.0330	n/a	0.0042	
30 Day Average	n/a	n/a	n/a	0.0075	n/a	0.00110	
Exceedance of Max				Exceedance of 30-Day av.			

There were no missed samples in May 2021 and all reported results were within permit limits for MP-EFF composites. As expected, all composite samples obtained at MC-TP4 exceeded max WQG for total Zinc including the 30-day average. MC-TP4 saw an exceedance of the 30-day average WQG for dissolved copper where two samples exceeded the max WQG.

Table 11: June Daily Composites

DATE	MP-EFF-D (T-Zn)	MP-EFF-D (T-Cu)	MP-EFF-D (D-Cu)	MC-TP4-D (T-Zn)	MC-TP4-D (T-Cu)	MC-TP4-D (D-Cu)	Precip. (mm)
2021-06-01	0.1000	0.00647	0.0166	0.0552	0.0042	0.0046	0
2021-06-02	0.0696	0.00727	0.012	0.0517	0.0040	0.0046	0
2021-06-03	0.0943	0.00823	0.00648	0.056	0.0042	0.0103	0
2021-06-04	0.101	0.00838	0.00665	0.0607	0.0039	0.0049	5.8
2021-06-05	0.112	0.0117	0.00466	0.0609	0.0031	0.0046	1.4
2021-06-06	0.0738	0.00877	0.00327	0.0677	0.0037	0.0048	0.8
2021-06-07	0.0754	0.00911	0.00313	0.0714	0.0030	0.0041	9.1
2021-06-08	0.0804	0.00961	0.00264	0.0778	0.0049	0.0056	0.1
2021-06-09	0.0955	0.00596	0.00284	0.0911	0.0022	0.0073	0

2021-06-10	0.0899	0.00797	0.00334	0.0609	0.0035	0.0065	0
2021-06-11	0.129	0.019	0.00335	0.0714	0.0038	0.0056	4.4
2021-06-12	0.056	0.0011	0.00092	0.0642	0.0045	0.0028	12.6
2021-06-13	0.113	0.0126	0.00345	0.0623	0.0027	0.0036	0.6
2021-06-14	0.124	0.0144	0.00424	0.0702	0.0026	0.0042	1.6
2021-06-15	0.075	0.00449	0.00222	0.0454	0.0021	0.0038	2.3
2021-06-16	0.074	0.00348	0.00132	0.0549	0.0031	0.0027	0.1
2021-06-17	0.109	0.0056	0.00223	0.0499	0.0022	0.0025	0
2021-06-18	0.106	0.011	0.00277	0.0449	0.0022	0.0024	0
2021-06-19	0.093	0.00679	0.00224	0.0453	0.0024	0.0024	0
2021-06-20	0.085	0.00563	0.00227	0.0518	0.0023	0.0025	0
2021-06-21	0.096	0.00749	0.0037	0.0556	0.0024	0.0029	0
2021-06-22	0.092	0.0102	0.00573	0.0553	0.0025	0.0024	0
2021-06-23	0.114	0.0066	0.00671	0.0348	0.0031	0.0029	0
2021-06-24	0.151	0.014	0.0071	0.0372	0.0028	0.0026	0
2021-06-25	0.129	0.00664	0.00524	0.0441	0.0026	0.0023	0
2021-06-26	0.132	0.0052	0.00447	0.0452	0.0027	0.0026	0
2021-06-27	0.118	0.00675	0.00481	0.0427	0.0028	0.0023	0
2021-06-28	0.076	0.00621	0.0041	0.0495	0.0022	0.0022	0
2021-06-29	0.176	0.0108	0.00536	0.0499	0.0016	0.0016	0
2021-06-30	0.094	0.00458	0.00397	0.0458	0.0026	0.0026	0
Average	0.1011	0.0082	0.0047	0.05579	0.0030	0.0038	
Max	0.176	0.019	0.0166	0.0911	0.0049	0.0103	
Min	0.056	0.0011	0.00092	0.0348	0.0016	0.0016	
Criteria	Permit Limit (PE-06858)			BC WQG			
Max	1.00	0.60	0.20	0.0330	n/a	0.0042	
30 Day Average	n/a	n/a	n/a	0.0075	n/a	0.00110	
Exceedance of Max				Exceedance of 30-Day av.			

There were no missed samples in June 2021 and all reported results were within permit limits for MP-EFF composites.

Exceedances of the WQG for total zinc was observed in all daily composites from MC-TP4 including the 30-day average (chronic). Dissolved copper was reported above WQG for 10 of the 30 days in June including 10 of the first 11. The 30-day average was above the chronic guideline.

Monthly/Quarterly Grab Sample Results

Results for required parameters are tabulated below. Cells highlighted in pink indicate an exceeded maximum (acute) total water quality guideline, cells highlighted in orange indicate an exceeded 30-day average (chronic) total water quality guideline and numbers highlighted in bold are below the laboratory published Reliable Detection Limit (RDL), but entered as RDL for calculation purposes.

Table 12: pH Results

pH	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
April	7.60	7.63	7.18	5.57	7.50	8.04	8.14	7.51
May		8.43			7.70	8.29	7.76	8.29
June		9.41			8.01	8.20	8.19	7.86
Mean	7.60		7.18	5.57				
Minimum	7.60	7.63	7.18	5.57	7.50	8.04	7.76	7.51
Maximum	7.60	9.41	7.18	5.57	8.01	8.29	8.19	8.29
Median	7.60	8.43	7.18	5.57	7.70	8.20	8.14	7.86

No Permit limits were exceeded for pH in the grab samples taken.

Table 13: Zinc Results

Total Zinc (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
April	**0.004**	0.0916	15.7	9.24	0.0678	0.0595	0.337	0.01340
May		0.1110			0.0428	0.0466	0.207	0.0097
June		0.0920			0.0241	0.0324	0.359	0.0110
Mean	0.004	0.0982	15.7	9.24	0.049	0.0462	0.301	0.014
Limit (WQG Max or P-06858)	0.0075	1	n/a	n/a	0.0330	0.0330	1	0.0330
BC WQG 30 day	0.0330	n/a	n/a	n/a	0.0075	0.0075	n/a	0.0075
Dissolved Zinc (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
April	**0.004**	0.0121	14.40	8.73	0.038	0.0536	0.232	**0.004**
May		0.0119			0.0336	0.0592	0.157	0.0061
June		**0.004**			0.0106	0.0197	0.0717	**0.004**
Mean	0.004	0.009	14.40	8.73	0.0274	0.0442	0.154	0.0047
Limit (WQG Max or P-06858)	n/a	0.5	n/a	n/a	n/a	n/a	0.5	n/a

No Permit limits were exceeded for total or dissolved zinc in the grab samples taken. Total Zinc concentrations exceeded acute & chronic water quality guidelines in all three months at the MC-TP4 and MC-M2 locations.

Table 14: Copper Results

Total Copper (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
April	**0.0004**	0.0154	1.42	0.907	0.0038	0.003180	0.00511	0.00199
May		0.0162			0.00239	0.00231	0.00433	0.00136
June		0.0132			0.00119	0.00161	0.0119	0.00138
Mean	0.0004	0.0149	1.42	0.907	0.00246	0.00236	0.00711	0.00157
Limit (WQG Max or P-06858)		0.6					0.6	
Dissolved Copper (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
April	**0.0004**	0.0069	0.271	0.808	0.00285	0.00237	0.00178	0.00060
May		0.00563			0.00173	0.00320	0.00168	0.00068
June		0.00466			0.00063	0.00098	0.00049	0.00040
Mean	0.0004	0.00573	0.271	0.808	0.00173	0.00218	0.00131	0.00056
Limit (WQG Max or P-06858)	0.00110	0.2	n/a	n/a	0.00110	0.00110	0.20	0.00110
BC WQG 30 day	0.00020	n/a	n/a	n/a	0.00020	0.00020	n/a	0.00020

There were no permit limits exceeded for Copper. Dissolved copper concentrations exceeded the 30-day water quality guideline in all three months at the MC-TP4, MC-M2 and Gold River Bridge locations. The acute guideline was exceeded at MC-TP4 and MC-M2 in April and May.

Table 15: Lead Results

Total Lead (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
April	**0.0002**	0.00441	0.00024	0.00132	0.00055	0.00053	0.0219	**0.0002**
May		0.00373			0.00029	0.00023	0.0332	0.00021
June		0.00307			0.00033	0.0003	0.2000	0.0008
Mean	0.0002	0.00374	0.00024	0.00132	0.00039	0.0004	0.08503	0.0004
BC WQG max	0.01202	n/a	n/a	n/a	0.01202	0.01202	n/a	0.01202
BC WQG 30 day	0.00155	n/a	n/a	n/a	0.00155	0.00155	n/a	0.00155

Dissolved Lead (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
April	**0.0002**	**0.0002**	0.00024	0.00132	**0.0002**	**0.0002**	0.0219	**0.0002**
May		**0.0002**			**0.0002**	0.011	0.126	**0.0002**
June		**0.0002**			**0.0002**	**0.0002**	0.00462	**0.0002**
Mean	0.0002	0.0002	0.00024	0.00132	0.0002	0.0038	0.05084	**0.0002**
Permit Limit	n/a	0.05	0.03	0.03	n/a	n/a	0.05	n/a

Concentrations in bold are below detection limits. There were no permit limits or WQGs exceeded for Lead.

Table 16: Iron Results

Total Iron (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
April	**0.01**	0.093	2.9	3.2	0.015	0.017	0.261	0.019
May		0.097			0.020	0.011	0.126	**0.01**
June		0.101			0.020	0.038	0.335	0.014
Mean	0.01	0.097	2.9	3.2	0.0183	0.022	0.240	0.0143
BC WQG max	1.0	n/a	n/a	n/a	1.0	1.0	n/a	1.0
Dissolved Iron (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
April	**0.01**	**0.01**	**0.01**	2.8	**0.01**	**0.01**	**0.01**	**0.01**
May		**0.01**			**0.01**	0.035	**0.01**	**0.01**
June		**0.01**			**0.01**	**0.01**	**0.01**	**0.01**
Mean	0.01	0.01	0.01	2.8	0.01	0.018	0.01	0.01
BC WQG max	0.35	n/a	n/a	n/a	0.35	0.35	**n/a**	n/a

There were no exceeded permit limits or WQG for Iron; total or dissolved.

Table 17: Cadmium Results

Total Cadmium (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
April	0.00001	0.000271	0.0496	0.0223	0.000155	0.000130	0.001380	0.000040
May		0.000345			0.000096	0.000113	0.000865	0.000028
June		0.000027			0.000037	0.000063	0.000405	0.000021
Mean	0.00001	0.000214	0.0496	0.0223	0.000096	0.000102	0.00088	0.000030

Dissolved Cadmium (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
April	0.00001	0.000057	0.0422	0.0211	0.000149	0.000122	0.000992	0.000010
May		0.000049			0.000080	0.000118	0.000738	0.000018
June		0.000027			0.000037	0.000063	0.000405	0.000021
Mean	0.00001	0.000044	0.0422	0.0211	0.00009	0.000101	0.000712	0.000016
BC WQG max	0.00012	n/a	n/a	n/a	0.00012	0.00012	n/a	0.00012
BC WQG 30 day	0.000070	0.005	n/a	n/a	0.000070	0.000070	0.005	0.000070

There were no permit limits exceeded for Cadmium. Dissolved cadmium was above maximum hardness-based water quality guidelines at MC-TP4 and MC-M2 in April and above 30-day WQG in May.

Table 18: Phosphorus Results

Total Phosphorus (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
April	0.05	0.05	0.256	0.05	0.05	0.05	0.05	0.05
May		0.05			0.05	0.05	0.05	0.05
June		0.05			0.05	0.05	0.05	0.05
Mean	0.05	0.05	0.256	0.05	0.05	0.05	0.05	0.05
BC WQG	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dissolved Phosphorus (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
April	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
May		0.05			0.05	0.05	0.05	0.05
June		0.05			0.05	0.05	0.05	0.05
Mean	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
BC WQG	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Phosphorus, both total and dissolved were below detection limits for all samples taken in the quarter minus one sample at the mill ditch (total phosphorus).

Events Outside of Normal Operational Parameters

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There were no environmental events or incidents requiring communication to regulatory authorities in Q2 of 2021. Environmental management systems sustained compliance though routine operation, monitoring and maintenance by site personnel.

Josh Fry

Josh Fry
Environmental Project Coordinator

Myra Falls Mine
A Trafigura Group Company



Myra Falls Mine

Quarterly Water Quality Report – Q3 2021

Submitted as required under Effluent Permit PE-06858

Prepared by Myra Falls Mine Environmental Dept.

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Introduction

Scope of Report

The following report details the environmental monitoring activities pertaining to the effluent permit PE-06858 issued under the Environmental Management Act and administered by the British Columbia Ministry of Environment and Climate Change Strategy (BC ENV) at the Myra Falls Mine from July 1 – September 30, 2021 (Q3). The report includes description of site environmental management systems, a data review report as required under PE-06858 Section 4.1, and a summary of unusual events occurring on site throughout the quarter.

Nyrstar Myra Falls Overview

Regional Environmental/Ecological Conditions

Location and Topography

The footprint of the Nyrstar Myra Falls mine site straddles the Myra Valley and the lower reaches of Myra Creek (Figure 2). Myra Creek flows from west to east through a steep-sided hanging valley and discharges over Myra Falls into Buttle Lake.

The slopes of Myra Valley climb steeply with an average gradient of 1.5H:1V. To the south, the slope rises to 1814 meters above sea level (MASL) at the summit of Mount Myra from the average valley bottom elevation of 307 MASL. Topography in the area exerts a strong influence on air mass movement and wind directions. Winds blow predominantly along the axis of the Myra Valley. At night, air masses are drawn down the mountains, continue along the valley floor and out over Buttle Lake. During the day, winds up cast along the mountainsides with air masses typically moving up the valley. Wind velocities at Nyrstar Myra Falls are generally low, typical of sites in protected valleys.

Myra Creek Drainage System

Myra Creek has a total length of 16 km and drains an area of 72 km^2 into Buttle Lake. Approximately 2km of Myra creek runs through the active mine site through an engineered channel. Myra Creek and its tributaries are characterized by steep, cascading mountain streams bounded by rock. The creek descends in elevation from 1,814 m to 221 m at Buttle Lake. Its three major tributaries are Tennent Creek, Arnica Creek and Webster Creek.

Myra Falls has three major clean water diversion ditches diverting water from upslope areas to Arnica Creek, Cascade Creek and Myra Creek from the north side of the site.

Flow Monitoring

There are two continuous streamflow monitoring stations.

- MYR-BDG-US, and
- MYR-BDG.

Station MYR-BDG-US is the original monitoring station for Myra Creek and is located beneath the main access road bridge. MYR-BDG is the new, long-term streamflow monitoring station installed in 2019. This station is located on the pipe bridge that crosses Myra Creek approximately 1 km downstream of MYR-BDG-US.

The new gauge is downstream of the effluent discharge point (MP-EFF) and Webster Creek. The new gauge instrumentation consists of a Campbell Scientific datalogger and radio telemetry system. The stage sensor is a non-contact FTS radar sensor, installed in the center of the pipe bridge overlooking the creek. The gauge conforms to RISC (2018) Grade A data quality standards and was installed by Swiftwater Consulting Ltd. ("Swiftwater").

Average daily flow rates in cubic metres per second for the quarter can be seen on the following table:

Table 1: Daily Flow Rates - MP-EFF & MYRA-BDG

Date	MP-EFF	MYR-BDG	Date	MP-EFF	MYR-BDG	Date	MP-EFF	MYR-BDG
01-Jul	0.254	8.964	**01-Aug**	0.304	1.738	**01-Sep**	0.279	0.797
02-Jul	0.399	7.023	**02-Aug**	0.279	1.693	**02-Sep**	0.216	0.734
03-Jul	0.311	5.913	**03-Aug**	0.223	1.405	**03-Sep**	0.223	0.745
04-Jul	0.268	5.686	**04-Aug**	0.307	1.379	**04-Sep**	0.261	1.154
05-Jul	0.361	5.692	**05-Aug**	0.286	1.497	**05-Sep**	0.228	1.366
06-Jul	0.272	5.510	**06-Aug**	0.225	1.456	**06-Sep**	0.173	0.948
07-Jul	0.337	5.225	**07-Aug**	0.221	1.409	**07-Sep**	0.132	0.774
08-Jul	0.365	4.678	**08-Aug**	0.286	1.463	**08-Sep**	0.169	0.740
09-Jul	0.350	4.397	**09-Aug**	0.172	1.230	**09-Sep**	0.238	1.749
10-Jul	0.284	4.068	**10-Aug**	0.185	1.141	**10-Sep**	0.313	1.478
11-Jul	0.260	3.687	**11-Aug**	0.287	1.381	**11-Sep**	0.287	1.223
12-Jul	0.295	3.457	**12-Aug**	0.165	1.343	**12-Sep**	0.245	1.043

13-Jul	0.295	3.348	**13-Aug**	0.152	1.149	**13-Sep**	0.185	0.944
14-Jul	0.347	3.090	**14-Aug**	0.351	1.197	**14-Sep**	0.142	1.416
15-Jul	0.350	2.970	**15-Aug**	0.328	1.233	**15-Sep**	0.216	1.526
16-Jul	0.388	2.745	**16-Aug**	0.324	1.243	**16-Sep**	0.234	1.143
17-Jul	0.214	2.398	**17-Aug**	0.214	1.136	**17-Sep**	0.546	18.086
18-Jul	0.180	2.026	**18-Aug**	0.329	1.048	**18-Sep**	0.370	20.574
19-Jul	0.412	1.992	**19-Aug**	0.244	0.955	**19-Sep**	0.307	7.803
20-Jul	0.321	2.091	**20-Aug**	0.129	0.872	**20-Sep**	0.278	3.550
21-Jul	0.300	1.842	**21-Aug**	0.213	0.844	**21-Sep**	0.287	2.763
22-Jul	0.346	1.712	**22-Aug**	0.290	0.869	**22-Sep**	0.234	2.293
23-Jul	0.346	1.754	**23-Aug**	0.260	0.848	**23-Sep**	0.218	1.953
24-Jul	0.318	1.924	**24-Aug**	0.162	0.765	**24-Sep**	0.163	1.577
25-Jul	0.320	1.971	**25-Aug**	0.199	0.686	**25-Sep**	0.382	1.595
26-Jul	0.350	1.918	**26-Aug**	0.138	0.689	**26-Sep**	0.422	2.783
27-Jul	0.353	1.891	**27-Aug**	0.207	0.819	**27-Sep**	0.522	27.927
28-Jul	0.295	1.662	**28-Aug**	0.230	0.815	**28-Sep**	0.292	14.535
29-Jul	0.300	1.656	**29-Aug**	0.185	0.742	**29-Sep**	0.629	21.815
30-Jul	0.317	1.712	**30-Aug**	0.236	0.728	**30-Sep**	0.406	39.427
31-Jul	0.316	1.684	**31-Aug**	0.335	0.854			

Climate

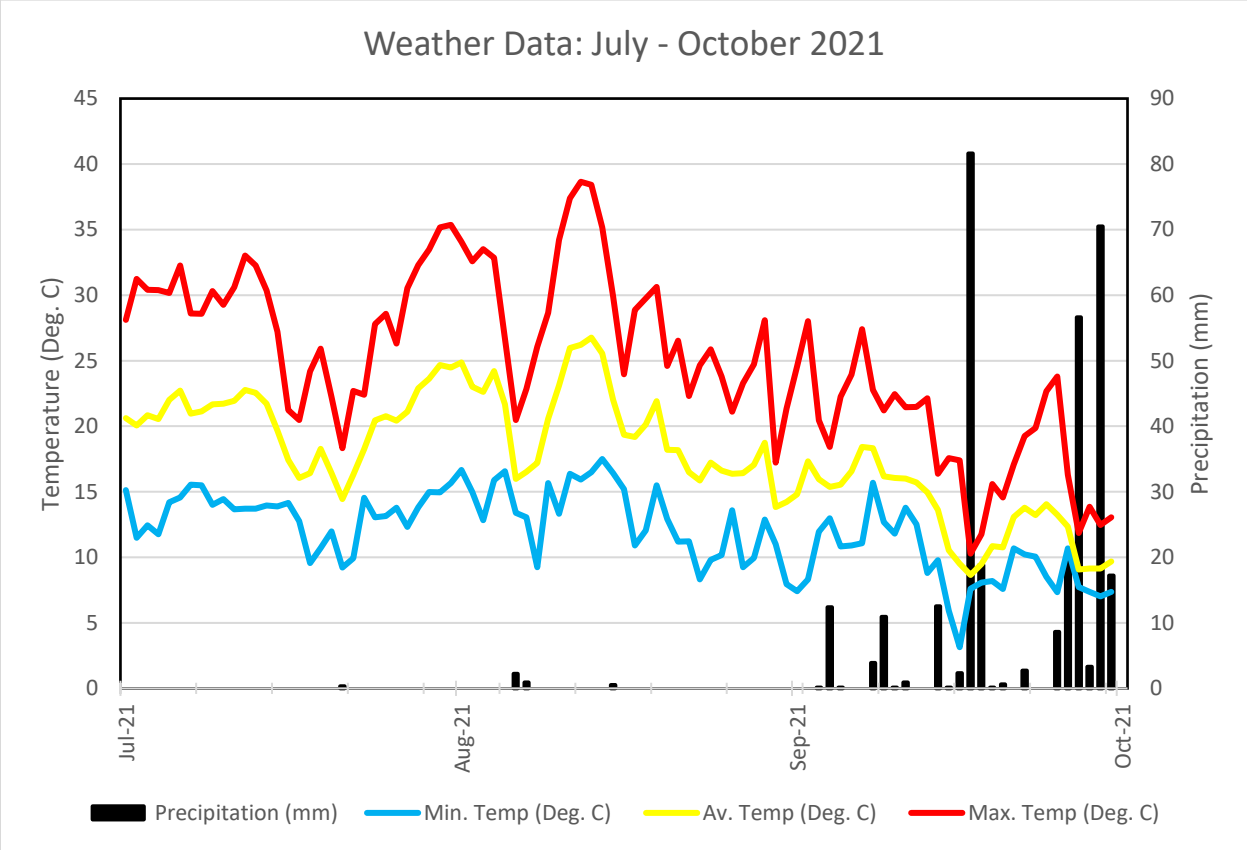
The climate in the Myra Valley and surrounding areas is classified as Marine West Coast as per the Köppen Climate Classification System. Weather patterns are typical of other coastal regions of British Columbia. Frequent fronts from the Pacific Ocean and Gulf of Alaska combine with orographic influences to produce abundant precipitation. Prevailing westerly winds and the moderating influence of the Pacific Ocean result in generally mild winters and warm summers, producing a relatively narrow annual temperature range. Freezing conditions can be expected to occur anytime from October through May. Records indicate that the site should average 160 frost-free days per year.

Weather

The meteorological station is situated on-site approximately 250m south of the mill near the bunkhouse parking lot. This station recorded a total of 326.9mm of precipitation this quarter, all of which was rainfall. 282.1mm of the rainfall was observed from September 15th – 30th. The highest precipitation day was experienced

on September 17th, where 81.6mm was recorded. No precipitation events were observed over an expected 1:1 annual exceedance probability event.

Figure 1: Meteorological Data



Tailings Disposal Facilities

From 1967-1984, tailings were deposited sub-aqueously into the south end of Buttle Lake. Since 1984, the mine has utilized surface tailings disposal facilities (TDF) for its tailing's impoundments, starting with the Myra Tailings Disposal Facility (now referred to as the Old TDF), which was filled to completion in 2011. In 2008, an additional impoundment named the "Lynx TDF" became the main depositional facility for tailings. At final design elevation of 382.5m, the Lynx TDF will provide storage for approximately 1.5 Mt of pasted tailings equating to 8 additional years of surface deposition requirements at current production projections. Included in this design is the ability to store the 1:200 Annual Exceedance Probability (AEP) event 24-hour Environmental Design Flood (EDF) of 226,000 m^3, with flood waters in excess of that volume directed out of the facility through the Emergency Spillway to Myra Creek. As of late October 2021, the elevation of the facility is 373.5 MASL after completion of this year's lift.

Lime Addition Water Treatment System

The water treatment system at Myra Falls collects and treats contaminated groundwater, surface runoff, mill effluent, tailings decant water, mine water and sewage treatment plant effluent. Contaminated water is directed to a ditch just upstream of the primary reaction pond, (Superpond) where the pH is increased to a target pH of 10.2, (effective range between 10 and 10.5 pH) through the addition of lime slurry ($Ca(OH)_2$). The elevated pH causes metals to become insoluble and precipitate out of solution primarily as metal hydroxide sludge. The Superpond discharges into the Myra Polishing Ponds System, consisting of a series of 6 settling ponds that allow any remaining suspended solids to settle out of solution.

Except for Myra 3, which only decants to Myra Out, there are two potential discharge points for each settling pond. By adding or removing check boards, decant outflows can be increased, decreased, or ponds isolated completely in response to changing operational or environmental circumstances. A CO_2 sparger located immediately downstream of pond confluence adjusts the treated effluent's pH back down within permitted limits and is monitored continuously to maintain a target pH of 8.5 (effective operating range between 8.3 and 8.7 pH). The treated water is then discharged to Myra Creek via a 30" Parshall flume equipped with an ultrasonic device that continuously monitors flow rates.

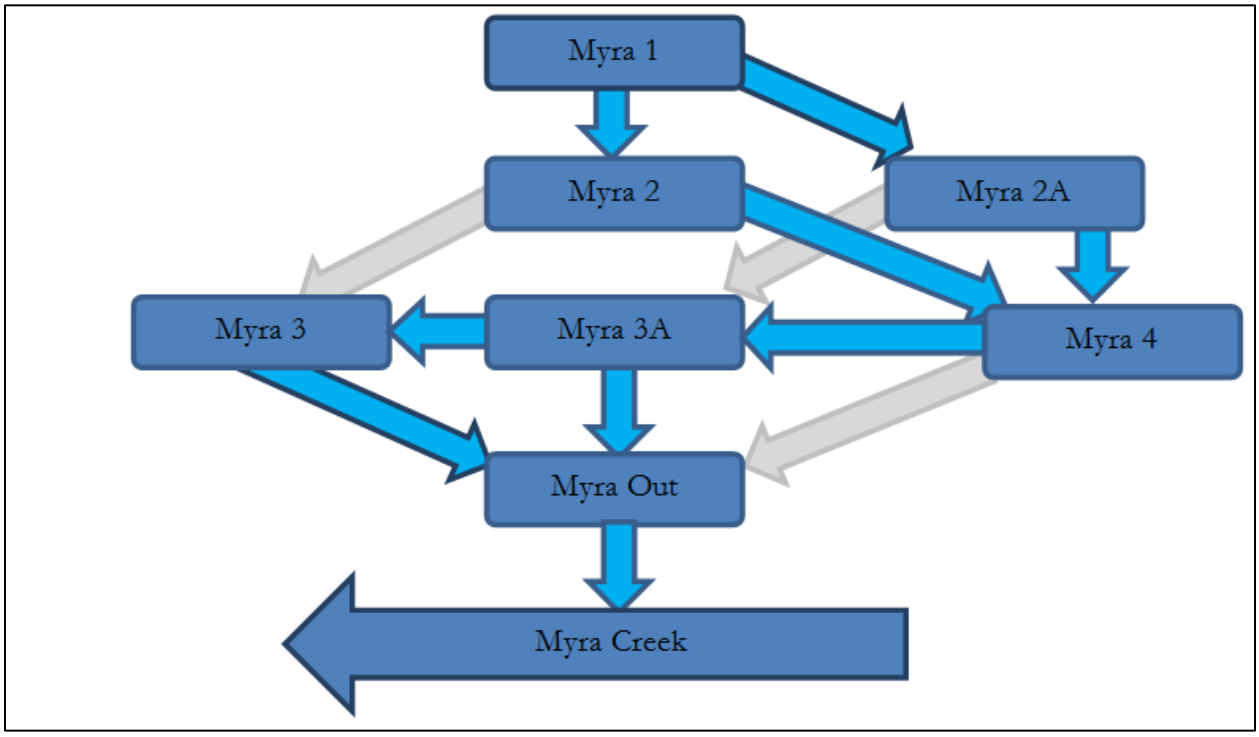


Figure 2: Treatment Ponds Configuration

Treatment ponds must be regularly cleaned of settled solids to maintain settling capacity and thus retention time to maintain operational effectiveness. The Superpond is equipped with an automated traversing barge and pump system (Mudcat) which pumps sediment laden water to the active Tailings Disposal Facility (Lynx TDF) thereby slowing the rate of sludge build up in the Superpond and operating to maintain treatment capacity and residence time. The Myra Polishing Ponds have received a similar system as the Superpond for removing sludge but is operated on an "as needed" basis. The system was commissioned in Q2 2021 for removal of sludge from Ponds 1, 2 & 2A. Efforts to remove sludge continued through Q3 2021.To assist the larger, less maneuverable dredge, a smaller, hand-controlled unit was added to remove sediments in areas with limited space. With this addition, operators can now safely remove sludge within proximity of the pond edges and decants.

Water Quality Monitoring

The water quality monitoring program at Myra falls is outlined in the Effluent Permit PE-06858 Section 3; monitoring locations are described in Table 2; sampling frequencies and analytical requirements are detailed in Table 3. Results of this monitoring program are discussed in the following sections.

A permit amendment was received July 5th, 2018 that changed some monitoring requirements resulting in additional sampling locations and, changes to some methodologies. These changes are discussed in the following section on sampling methodology and depicted in the tables below.

Table 2: Monitoring Requirements

Site Name / SNR	Monitoring Purpose
Tailings Impoundment Decant Effluent **TDF-EFF** **SRN: E207740**	Monitored for quality to determine compliance with effluent limits as per PE-06858. This water is currently routed to treatment as the decant structure to allow flows to creek has not yet been constructed.
Outlet at Superpond Inlet Ditch (eastern mine footprint) **TDF Dissipater Outlet** **E311488**	Monitored for quality to determine the concentrations of influent to the treatment system. Aids in assessing the effectiveness of treatment, characterizing the incoming contaminants from the Eastern portion of the surface footprint of the mine, as well as the Lynx Spring Drain and the Myra Tailings Dam (Old TDF) Underdrain system.
Outlet at Superpond Inlet Ditch (western mine footprint) **Mill Run - Off Collection Ditch** **E311028**	Monitored for quality to determine the concentrations of influent to the treatment system. Aids in assessing the effectiveness of treatment, characterizing the incoming contaminants from the Western portion of the surface footprint of the mine, as well as the Mill Effluent and the Outflow from the sewage treatment systems.

Site Name / SNR	Monitoring Purpose
Mine contact water effluent outfall **MP-EFF** **E100666**	Monitored for quality to ensure treatment system is operating within expected parameters and to determine compliance with effluent limits as per PE-06858. This water is monitored at the decant location to Myra Creek.
Price Pond, below Portal #13 **PR-13L** **E100662**	Monitored for quality to determine compliance with effluent limits as per PE-06858. This facility is an infiltration basin, infiltrating to ground and does not allow surface flow out of the facility as designed.
Sewage effluent from HW treatment plant **HW STP E311008**	Monitored to ensure compliance with permit limits and effectiveness of treatment.
Sewage effluent from Myra treatment plant **Myra STP E311009**	Monitored to ensure compliance with permit limits and effectiveness of treatment
Myra Creek, 30 m upstream from Tennent Hydro Plant **MC-M1** **EMS-0124784**	This location serves as the upstream reference site to determine the relative impacts on Myra Creek by the Myra Falls Operations. The hardness as measured at MC-M1 Monitoring Location is used to determine the hardness based WQG for all Myra Creek Monitoring Sites.
Myra Creek, 1.3 km downstream from Lower Lynx Diversion Ditch **MC-M2 EMS-0124785**	This location is the furthest downstream monitoring location in Myra Creek and is downstream of all mine-related inputs. This site is also downstream of the clean-fill quarries used by the mine as reclamation cover materials.
Myra Creek, below Pumphouse #4 **MC-TP4D/M** **EMS- E206805**	Located immediately downstream of Pumphouse 4, downstream of the seepage collection system, upstream of the Lower Lynx Diversion Ditch. This site monitors the immediate impacts of the mine to Myra Creek.
Mid lake off Henshaw Creek depths @ 0 m, 10 m, 20 m, 40 m, 60 m and 100 m **HENSHAW** **EMS-0130082**	Buttle Lake approximately 2.8 km downstream of the base of Myra Falls This site monitors the water quality impacts of the mine to Buttle Lake both at surface and at depth.
Mid lake off Karst Creek depths @ 0 m, 10 m, 20 m, 40 m, 60 m and 100 m **KARST** **EMS-0130090**	Mid lake off Ralph River Boat Launch. Approx. 600m from boat launch.
Buttle Lake off Gold River Bridge depth @ surface **BL-GOLD** **EMS-0130080**	This is the sample site located furthest downstream from the mine. It is sampled in conjunction with the Myra Creek samples at the Buttle Narrows.

Table 3: Analytical Requirements

Sampling Point Description	Mid Lake off Henshaw Creek (HENSHAW)	Mid Lake off Ralph River Boat Ramp (KARST)
Field Measurements and Frequency		
pH	ETM-G	ETM-G
Dissolved Oxygen	ETM-G	ETM-G

Temperature	ETM-G	ETM-G
Specific Conductivity	ETM-G	ETM-G
Secchi Disk	ETM-G	ETM-G
Analytical Parameters and Frequency		
pH	ETM-G	
Total Suspended Solids	ETM-G	
Turbidity	ETM-G	
Total Alkalinity	-	
Total and Dissolved Aluminium	ETM-G	
Total and Dissolved Cadmium	ETM-G	
Total and Dissolved Calcium	ETM-G	
Total and Dissolved Copper	ETM-G	
Total and Dissolved Iron	ETM-G	
Total and Dissolved Lead	ETM-G	
Total and Dissolved Phosphorus	ETM-G	
Total and Dissolved Manganese	ETM-G	
Nitrogen (as Ammonia)	ETM-G	
Nitrate/Nitrite	ETM-G	
Silica	ETM-G	
Sulphate	ETM-G	
Total and Dissolved Zinc	ETM-G	
Biological Parameters and Frequency		
Zooplankton, 25 m vertical haul, species identification and count	ETM-G	
Phytoplankton, surface sample, species identification and count	ETM-G	

Chlorophyll "a"	ETM- G

Sampling Point Description	Tailings Impoundment Decant Effluent	Outlet at Superpond Inlet Ditch (eastern mine footprint)	Outlet at Superpond Inlet Ditch (western mine footprint)	Mine contact water effluent outfall	Price Pond, below Portal #13	Sewage effluent from two treatment plants
Physical Parameters and Frequency						
Flow	D when discharging	-		Co	-	
Analytical Parameters and Frequency						
pH	Co-R	Q-G	Q-G	Co-R	M-G	-
TSS	M-G	Q-G	Q-G	M-G	-	BA-G
Total Zinc	D-G	Q-G	Q-G	D-C	M-G	-
Dissolved Zinc	M-G	Q-G	Q-G	M-G	-	
Total Copper	D-G (LDL)	Q-G	Q-G	D-C (LDL)	M-G	-
Dissolved Copper	D-G (LDL)	Q-G	Q-G	D-C (LDL)	-	
Total Cadmium	Q-G				-	
Dissolved Cadmium	Q-G				-	
Total Lead	W-G	Q-G	Q-G	W-G	-	
Dissolved Lead	M-G	Q-G	Q-G	M-G	-	
Sulphate	Q-G				-	
Total Nitrogen	Q-G				-	
Total Phosphorus	Q-G				-	
Bioassay Parameters and Frequency						
Toxicity Test[3]	Q-G	-		Q-G	-	
5-day Biochemical Oxygen Demand	-					**BA-G**

Sampling Point Description	Myra Creek, 30 m upstream from Hydro Plant	Myra Creek, 75 m downstream from Line Bridge crossing	Myra Creek, below Pumphouse #4
Analytical Parameters and Frequency			
pH	Q-G	M-G	D-C
Temperature	-	M	-
Total Zinc	Q-G	M-G	D-C
Dissolved Zinc	Q-G	M-G	M-G
Total and Dissolved Aluminium	Q-G		
Total and Dissolved Cadmium	-	M-G	M-G
Total and Dissolved Copper	Q-G	M-G	D-C (LDL)
Total and Dissolved Iron	Q-G		
Total and Dissolved Lead	Q-G	M-G	M-G

Total and Dissolved Phosphorus	-	M-G	-
Nitrogen (as Ammonia)	-	M-G	-
Nitrate/Nitrite	-	M-G	-
Sulphate	-	M-G	-

Sampling Methodology

Daily Composite Monitoring

Treated effluent is discharged from a point source location listed in the permit as Myra Ponds or MP-EFF (EMS-ID E100666). This location is sampled daily with a YSI pro sample P series composite autosampler, which takes 125mL samples every 3 hours (8 aliquots per day totalling one 1000 mL composite sample). Daily composites are collected weekly and shipped to an accredited off-site lab for analysis of total and dissolved metals analysis. Effluent pH and flow are continuously monitored through an automated logging system, with quality control checks performed by operational personnel every 6 hours. Daily composite samples at TP4 are collected with a Sigma SD900 autosampler, using the similar volumes and the same sampling frequency described above.

At MP-EFF, an additional instrumentation hut was constructed above the outlet ditch for the Myra Ponds (opposite side of original sampler) to change location of the current intake point. This system was put online on August 31st, 2021, with the naming convention MP-EFF (B) – DC while the existing location was named MP-EFF (A) - DC. The intake location at MP-EFF (B) DC is hosted within the centre of Myra Ponds outlet ditch; approximately 10m downstream of the CO_2 addition "sparger" and approximately 20m upstream of the Parshall Flume used to quantitate outflows. The new sampler intake has been suspended in a fixed elevation and guarded with grating to restrict large debris from interacting with the intake screen on the sampler. It is noted that Myra Falls Mine has been operating both autosamplers in this location since August 31, 2021 to evaluate chemical differences between the two locations.

Based on analytical data and observations, Myra Falls has chosen the new location (MP-EFF (B) – DC) as the sole autosampler site. The reasons Myra Falls Mine is moving from the pump-house location to the new sampling hut are as follows:

- The original location is not able to be heat traced, and the autosampler has failed historically in freezing temperatures
- The original location uptake line is below the pumphouse in a protected pumping well and it not located in the direct flow of water
    - sediment from the water treatment tends to build up in the area the intake line is located

- Roots of a nearby Himalayan blackberry bush have grown around the intake line
- Backflushing from the pumps in the pumphouse stirs the sediment in the pumping well where the intake line is and is believed to cause elevated solids in the sample results when the pumps are used frequently.

The new location is insulated, heated, clean, and the intake lines can be heat traced to prevent freezing during cold weather. Analytical results from this hut will be stated in successive reports starting Q4, 2021.

The Myra Falls Mine has opted to complete the analyses for the full suite of dissolved and total metals for each daily composite collected. Full metals analyses provide more information used to improve the calibration of the Site-Wide Geochemical Model developed to determine the potential future impacts of different water management systems and to assess potential closure plan options prior to design work being completed for permitting.

Surface Grab Samples

Grab samples are collected weekly, monthly, bi-monthly, and quarterly and semi-annually as required by PE-06858. The samples are sent off-site for analyses of total suspended solids (TSS), total and dissolved metals, numerous anions, nutrients, and various other general chemical parameters. Acute and chronic toxicity tests and perform monthly and semi-annual respectively and include: 96-hr rainbow trout (RBT) LC_{50} (acute). While not displayed in this report, results from acute lethality for RBT were favourable and did not have survival of <50% in a 96-hour test.

Receiving Environment Depth Profile Samples (Buttle Lake)

Every second month, a depth profile for two separate sites on Buttle Lake is developed by collecting grab samples at various depth intervals with a Van Dorn or Kemmerer Sampler. The Henshaw Location is approximately 2.8 km downstream of the base of Myra; the Karst Location is approximately 8.5 km downstream from the base of Myra Falls. Both sites are sampled at depths 0, 10, 20, 40, 60, and 100 meters. When the 100 m depth cannot be reached due to shallowness of the lake, a sample is collected 1 meter above the lakebed, as measured by a fish finder to prevent stirring of bottom sediments into the water column and skewing the results of the total metals analysis.

In addition to water chemistry, surface samples of phytoplankton and chlorophyll-a, and a 25 m vertical tow to sample zooplankton are collected as part of the Buttle Lake sampling program. Field physical parameters (temperature, pH, specific conductivity,

and dissolved oxygen) are taken at in 5 m intervals from surface to depths of 50 meters using a Sonde. A secchi disk is deployed to determine clarity at each location.

During this quarter, 1 sampling event occurred for both lake sites during the month of August. Results for field measurements are as follows:

Table 4: Buttle Lake Physical Parameters - August 25, 2021

Henshaw (BL-HEN)					
Depth	**DATE**	**PH-F**	**TEMP-F (Deg C)**	**SP-COND (uS/cm)**	**DO-F (mg/L)**
0	21-8-25	7.51	20.8	62.9	8.73
5	21-8-25	7.43	20.8	63.0	8.73
10	21-8-25	7.37	20.4	67.8	8.75
15	21-8-25	7.55	15.1	61.6	10.39
20	21-8-25	7.28	10.0	60.7	11.20
25	21-8-25	7.21	8.5	62.5	11.22
30	21-8-25	7.09	7.8	66.8	11.04
35	21-8-25	6.99	6.3	71.7	10.95
40	21-8-25	6.95	6.1	72.3	10.94
45	21-8-25	6.92	6.0	72.6	10.94
50	21-8-25	6.91	6.0	72.7	10.93
60	21-8-25	6.92	5.8	73.5	10.88
Lake Depth - 66.5m Secchi - 16.25m					
Karst (BL-KARS)					
Depth	**DATE**	**PH-F**	**TEMP-F (Deg C)**	**SP-COND (uS/cm)**	**DO-F (mg/L)**
0	21-8-25	7.61	20.9	61.2	8.82
5	21-8-25	7.54	20.8	61.3	8.84
10	21-8-25	7.40	20.3	61.2	9.05
15	21-8-25	7.33	13.1	59.7	11.08
20	21-8-25	7.29	10.3	61.2	11.17
25	21-8-25	7.28	7.9	63.2	11.29
30	21-8-25	7.30	6.7	64.0	11.35
35	21-8-25	7.31	6.4	64.2	11.30
40	21-8-25	7.33	6.2	64.3	11.30
45	21-8-25	7.34	6.1	64.3	11.28
50	21-8-25	7.36	6.0	64.4	11.25
60	21-8-25	7.46	5.8	64.3	11.26
Lake Depth - 126m Secchi - 14.0m					

Myra Falls Mine
A Trafigura Group Company

Results for required analytical parameters per the effluent permit are found in the tables below. Note that results below detection limits are prefixed by a "<", and all reported results are in ug/L unless otherwise stated:

Table 5: Table 4: Buttle Lake Chemical Parameters - August 25, 2021

Karst						
Parameter	**0m**	**10m**	**20m**	**40m**	**60m**	**100m**
pH (pH units)	7.55	7.51	7.41	7.42	7.43	7.43
TSS (mg/L)	<2.0	<2.0	<2.5	<2.0	<2.0	<2.0
Turbidity (NTU)	0.21	0.2	0.22	0.14	0.13	0.13
Al-D	7.1	7.5	8.5	12.9	8.4	8.7
Al-T	13.8	12.4	16.6	13.5	12.8	11.2
Cd-D	0.0161	0.0158	0.0229	0.028	0.0198	0.0216
Cd-T	0.0173	0.0139	0.0254	0.0224	0.017	0.0181
Ca-D	8860	8820	9140	9270	9390	9780
Ca-T	9310	9590	9700	10500	9830	10200
Cu-D	0.52	0.56	0.58	1.41	0.56	0.61
Cu-T	0.56	0.58	0.65	0.63	0.88	0.65
Fe-D	3.2	3.1	2.8	3.4	<2.0	2.3
Fe-T	9.3	9.3	7.6	7	7.6	8.5
Pb-D	<0.050	<0.050	0.052	0.339	<0.050	<0.050
Pb-T	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
P-D	<10	<10	<10	<10	<10	<10
P-T	<10	<10	<10	<10	<10	<10
Mn-D	0.513	0.398	0.749	0.492	0.233	0.602
Mn-T	1.38	1.62	1.74	1.75	1.7	2.62
Nitrogen as ammonia (mg/L)	<0.050	<0.050	<0.050	<0.050	0.103	0.084
Nitrate/Nitrite (mg/L)	<0.0200	<0.0200	0.0264	0.0462	0.0474	0.0473
Silica	2.79	2.83	3	3.53	3.65	3.69
Sulphate (mg/L)	4	4.1	4.5	4.7	4.7	4.6
Zn-D	4.4	4.6	6.3	7.6	5.5	6.1
ZN-T	5	5.5	7.3	6.5	6.2	7.1

Henshaw						
Parameter	**0m**	**10m**	**20m**	**40m**	**60m**	
pH (pH units)	7.53	7.4	7.45	7.42	7.41	
TSS (mg/L)	**<2.0**	**<2.0**	**<2.0**	**<2.0**	**<2.0**	
Turbidity (NTU)	0.31	0.22	0.22	0.17	0.29	
Al-D	7.6	8.1	9.9	12.2	11.2	
Al-T	11.9	12.7	17.4	18.3	19.7	
Cd-D	0.0129	0.0218	0.0176	0.0326	0.0346	
Cd-T	0.0151	0.0268	0.0213	0.0375	0.0377	
Ca-D	9160	10100	8980	10600	10800	
Ca-T	9640	10600	9760	11100	11700	

Cu-D	0.55	0.64	0.56	0.67	0.74	
Cu-T	0.69	0.76	0.63	0.85	0.91	
Fe-D	4.4	8.1	3.1	3.7	4.8	
Fe-T	12	20.2	9.2	12	19.8	
Pb-D	<0.050	<0.050	<0.050	0.056	<0.050	
Pb-T	<0.050	<0.050	<0.050	0.164	<0.050	
P-D	10	<10	<10	<10	<10	
P-T	<10	<10	<10	<10	<10	
Mn-D	0.532	1.07	0.761	0.58	1.69	
Mn-T	2.16	4.37	2.2	3.94	6.08	
Nitrogen as ammonia (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	
Nitrate/Nitrite (mg/L)	<0.0200	<0.0200	0.0297	0.057	0.0612	
Silica	2.75	2.87	3	3.32	3.49	
Sulphate (mg/L)	4.9	7.1	4.8	7.7	8.4	
Zn-D	5.2	11.9	8.2	12.2	11.1	
Zn-T	6.8	13.3	9.2	13.7	12.9	
**** All results in µg/L unless otherwise stated***						

Water Treatment Monitoring and Performance

Flows through the water treatment system come from multiple sources, including surface run-off, groundwater recovery systems, underground mine dewatering systems and process water from the mill, amongst other inputs.

A reclaim pump is located just upstream from the final effluent discharge point to collect treated water for use in processing or dust suppression to reduce the site requirement for fresh water from Tennent, Arnica and Myra Creeks.

Influent

Routine monitoring of influent to the water treatment system is required by permit PE-06858. Grab samples are to be collected from two stations:

- MILL DITCH station. Primarily consists of flows from the Lynx 10L East adit, the Lynx Ditch, and decant flows from the Lynx TDF.
- DISSIPATER station. Primarily consists of groundwater flows from the Old TDF under-drains via Pumphouse No. 4 and flows from the Surge Pond and Springs Drain during high flow periods

Effluent

Effluent flow is monitored continuously by a 30" Parshall flume with an ultrasonic flow measuring device, located approximately 5 m downstream from the reclaim pumps. The flow rate is recorded every minute in the mill historian, and this information is used to calculate the daily flow.

The TDF-Effluent location monitors the quality of the flows entering the TDF that may be released to the receiving environment without treatment when permit limits are met, all flows from the Old TDF are currently treated for pH and metals concentration through the Superpond and are not discharged to the receiving environment as the infrastructure required to allow this to occur has not yet been constructed. No discharges from TDF-Effluent were observed in Q3.

Flows from the Price 13 Level Portal are directed to an exfiltration basin referred to as Price Pond. This flow is measured periodically to ensure compliance via a manual measurement taken by measuring the time it takes to fill a container of known volume and calculating the flow rate using the average time of three or more tests. Flows to the Price Pond are authorized at a rate of 3,450 m^3/day.

Table 6: Permitted Effluent Concentrations

Site Parameter	Tailings Pond Effluent	Myra Pond Effluent	Price Pond (east side)
pH		6.5-10 pH Units	6.5-8.5 pH Units
Total suspended solids <110,000 m^3/day	20	25 mg/L	25mg/L
Total suspended solids>110 000 m^3/ day		50 mg/L	
Total Zinc	0.5 mg/L	1.0 mg/L	1.0 mg/L
Dissolved Zinc	0.25mg/L	0.5 mg/L	0.5 mg/L
Total Copper	0.30mg/L	0.6 mg/L	0.6 mg/L
Dissolved Copper	0.10 mg/L	0.2 mg/L	0.2 mg/L
Dissolved Cadmium	0.003 mg/L	0.005 mg/L	0.005 mg/L
Dissolved Lead	0.030 mg/L	0.05 mg/L	0.05 mg/L
Toxicity (96 hr LC_{50})		100%	

Effluent and Receiving Environment Results

The following section provides analyses of results comparing the receiving environment water quality to the BC Water Quality Guidelines for Freshwater Aquatic Life (WQGs) for the parameters listed in the permit PE-06858. Cells highlighted in pink indicate an exceeded maximum (acute) total water quality guideline, cells highlighted in orange indicate an exceeded 30-day average (chronic) total water quality guideline.

Most of the water quality grab samples have been taken at a frequency of less than 5 times in 30 days, and therefore a comparison to the 30-day average (chronic) water quality guideline is not directly applicable. However, the chronic guideline has been included in the charts for reference. Effluent concentration limits are outlined in PE-06858 by authorized discharge location and are summarized in Table 8.

For all parameters with hardness-based water quality guidelines discussed in this report, sample site Gold River (Buttle Lake at Buttle Narrows) calculated using in situ hardness, as there are no upstream analogues appropriate for this location. Sample site MC-M1 (Myra Creek upstream of Tennent Creek) is used for all Myra Creek sampling locations; this sample site is only sampled quarterly, so the average hardness for this location is used in months where a direct measurement is not available.

Daily Composite Results

The following tables display analytical results from daily composites. All metals results are stated in mg/L:

Table 7: July Composite Results

DATE	MP-EFF-D (T-Zn)	MP-EFF-D (T-Cu)	MP-EFF-D (D-Cu)	MC-TP4-D (T-Zn)	MC-TP4-D (T-Cu)	MC-TP4-D (D-Cu)	Precip. (mm)
01-Jul	0.080	0.00672	0.0041	0.0557	0.0032	0.0031	0
02-Jul	0.080	0.00472	0.00404	0.0714	0.0032	0.0032	0
03-Jul	0.114	0.00589	0.00419	0.0698	0.0029	0.0031	0
04-Jul	0.182	0.00835	0.00454	0.0682	0.0013	0.0015	0
05-Jul	0.279	0.0107	0.00508	0.0848	0.0042	0.0039	0
06-Jul	0.208	0.00531	0.00496	0.0466	0.0036	0.0032	0
07-Jul	0.222	0.0049	0.00407	0.0604	0.0011	0.0013	0
08-Jul	0.260	0.0057	0.00467	0.073	0.0019	0.0017	0
09-Jul	0.134	0.0055	0.00433	0.0728	0.0022	0.0012	0
10-Jul	0.078	0.0056	0.00418	0.0503	0.0015	0.0015	0
11-Jul	0.060	0.0056	0.00412	0.0742	0.0025	0.0017	0
12-Jul	0.064	0.0066	0.00428	0.0517	0.0017	0.0015	0
13-Jul	0.089	0.0094	0.00468	0.0714	0.0017	0.0018	0
14-Jul	0.059	0.0042	0.00343	0.0822	0.0018	0.0016	0
15-Jul	0.047	0.0043	0.00344	0.0815	0.0031	0.0027	0
16-Jul	0.059	0.0062	0.00488	0.115	0.0016	0.0013	0
17-Jul	0.054	0.0064	0.00449	0.0974	0.0032	0.0025	0
18-Jul	0.038	0.0071	0.00483	0.0876	0.0016	0.0016	0
19-Jul	0.069	0.0089	0.00522	0.104	0.0017	0.0017	0

20-Jul	0.111	0.0133	0.00658	0.119	0.0033	0.0024	0
21-Jul	0.059	0.0047	0.00369	0.0807	0.0021	0.0022	0.3
22-Jul	0.050	0.0048	0.00352	0.0661	0.0015	0.0016	0
23-Jul	0.038	0.0050	0.00402	0.0609	0.0012	0.0015	0
24-Jul	0.047	0.0062	0.00411	0.0674	0.0013	0.0014	0
25-Jul	0.059	0.0089	0.00457	0.0841	0.0139	0.0012	0
26-Jul	0.066	0.0117	0.00516	0.102	0.0020	0.0015	0
27-Jul	0.057	0.0046	0.00345	0.0677	0.0021	0.0028	0
28-Jul	0.043	0.0049	0.00398	0.0921	0.0018	0.0016	0
29-Jul	0.065	0.0076	0.00631	0.0991	0.0018	0.0017	0
30-Jul	0.053	0.0062	0.00497	0.0954	0.0020	0.0019	0
31-Jul	0.060	0.0105	0.00665	0.0949	0.0016	0.0016	0
Average	0.093	0.0068	0.0045	0.0789	0.0025	0.0020	
Max	0.279	0.0133	0.00665	0.119	0.0139	0.0039	
Min	0.038	0.00422	0.00343	0.0466	0.0011	0.0012	
Criteria	Permit Limit (PE-06858)			BC WQG			
Max	1.00	0.60	0.20	0.0330	n/a	0.0042	
30-day av.	n/a	n/a	n/a	0.0075	n/a	0.00110	
Exceedance of Max				Exceedance of 30-Day av.			

There were no missed samples in July 2021 and all reported results were within permit limits for MP-EFF composites. As expected, all composite samples obtained at MC-TP4 exceeded max WQG for total Zinc including the 30-day average. MC-TP4 saw an exceedance of the 30-day average WQG for dissolved copper.

Table 8: August Daily Composite Results

DATE	MP-EFF-D (T-Zn)	MP-EFF-D (T-Cu)	MP-EFF-D (D-Cu)	MC-TP4-D (T-Zn)	MC-TP4-D (T-Cu)	MC-TP4-D (D-Cu)	Precip. (mm)
01-Aug				0.111	0.0019	0.0018	0
02-Aug	0.102	0.0125	0.00846	0.112	0.0020	0.0021	0
03-Aug	0.083	0.0140	0.00934	0.124	0.0030	0.0028	0
04-Aug	0.059	0.0057	0.00442	0.123	0.0024	0.0023	0
05-Aug	0.059	0.0059	0.0042	0.107	0.0020	0.0020	0
06-Aug	0.071	0.0074	0.00522	0.136	0.0026	0.0018	2.2
07-Aug	0.072	0.0092	0.00673	0.115	0.0021	0.0018	0.9
08-Aug	0.075	0.0088	0.00616	0.125	0.0017	0.0015	0
09-Aug	0.084	0.0102	0.00685	0.148	0.0022	0.0019	0
10-Aug	0.071	0.0113	0.00735	0.156	0.0023	0.0031	0
11-Aug	0.069	0.0066	0.00372	0.131	0.0023	0.0019	0
12-Aug	0.053	0.0057	0.0037	0.12	0.0025	0.0016	0
13-Aug	0.035	0.0057	0.0037	0.125	0.0020	0.0016	0

14-Aug	0.039	0.0055	0.00339	0.126	0.0023	0.0019	0
15-Aug	0.103	0.0099	0.0057	0.126	0.0023	0.0019	0.5
16-Aug	0.149	0.0160	0.00853	0.178	0.0021	0.0014	0
17-Aug	0.118	0.0099	0.0062	0.19	0.0029	0.0024	0
18-Aug	0.097	0.0078	0.00707	0.174	0.0018	0.0021	0
19-Aug	0.112	0.0111	0.00832	0.116	0.0014	0.0013	0
20-Aug	0.100	0.0084	0.00585	0.23	0.0026	0.0021	0
21-Aug	0.084	0.0074	0.00526	0.204	0.0019	0.0017	0
22-Aug	0.077	0.0083	0.00509	0.256	0.0032	0.0023	0
23-Aug	0.058	0.0092	0.00559	0.265	0.0041	0.0032	0
24-Aug	0.075	0.0054	0.00727	0.263	0.0036	0.0028	0
25-Aug	0.076	0.0073	0.00632	0.316	0.0027	0.0028	0
26-Aug	0.050	0.0074	0.00664	0.263	0.0022	0.0023	0
27-Aug	0.045	0.0077	0.0082	0.33	0.0032	0.0032	0
28-Aug	0.047	0.0098	0.00633	0.297	0.0023	0.0023	0
29-Aug	0.042	0.0068	0.0065	0.314	0.0030	0.0038	0
30-Aug	0.067	0.0091	0.0137	0.324	0.0032	0.0033	0
31-Aug	0.046	0.0048	0.00727	0.334	0.0032	0.0031	0
Average	0.074	0.0085	0.0064	0.192	0.0025	0.0023	
Max	0.149	0.0160	0.0137	0.334	0.0041	0.0038	
Min	0.035	0.0048	0. 00339	0.107	0.0014	0.0013	
Criteria	Permit Limit (PE-06858)			BC WQG			
Max	1.00	0.60	0.20	0.0330	n/a	0.0042	
30 Day Average	n/a	n/a	n/a	0.0075	n/a	0.00110	
Exceedance of Max				Exceedance of 30-Day av.			

The daily autosampler composite was missed on August 1, 2021 at MP-EFF due to an equipment malfunction. The distributor arm for the bottle got “stuck” between two sampling bottles within the unit and failed to deposit water in the required bottle.

All reported results for samples taken were within permit limits for MP-EFF composites in August. As expected, all composite samples obtained at MC-TP4 exceeded max WQG for total Zinc including the 30-day average. MC-TP4 saw an exceedance of the 30-day average WQG for dissolved copper.

Table 9: September Daily Composites

DATE	MP-EFF-D (T-Zn)	MP-EFF-D (T-Cu)	MP-EFF-D (D-Cu)	MC-TP4-D (T-Zn)	MC-TP4-D (T-Cu)	MC-TP4-D (D-Cu)	Precip. (mm)
01-Sep	0.070	0.0063	0.00514	0.243	0.0023	0.0024	0
02-Sep	0.059	0.0083	0.00703	0.276	0.0034	0.0031	0

03-Sep	0.033	0.0058	0.00475	0.32	0.0028	0.0025	0.1
04-Sep	0.044	0.0087	0.00599	0.305	0.0024	0.0025	12.4
05-Sep	0.041	0.0070	0.00556	0.247	0.0033	0.0027	0.1
06-Sep	0.034	0.0095	0.00642	0.247	0.0031	0.0025	0
07-Sep	0.036	0.0054	0.00505	0.279	0.0039	0.0033	0
08-Sep	0.034	0.0048	0.0044	0.279	0.0031	0.0034	3.9
09-Sep	0.034	0.0046	0.00418	0.238	0.0030	0.0029	10.9
10-Sep	0.053	0.0047	0.00333	0.187	0.0031	0.0031	0.1
11-Sep	0.085	0.0068	0.00729	0.194	0.0016	0.0017	0.9
12-Sep	0.067	0.0079	0.00674	0.226	0.0028	0.0026	0
13-Sep	0.047	0.0086	0.00626	0.235	0.0026	0.0029	0
14-Sep	0.193	0.0031	0.00309	0.264	0.0037	0.0032	12.5
15-Sep	0.176	0.0021	0.0019	0.0506	0.0060	0.0139	0.1
16-Sep	0.212	0.0020	0.00184	0.0501	0.0052	0.0057	2.3
17-Sep	0.136	0.0057	0.00502	0.053	0.0043	0.0058	81.6
18-Sep	0.116	0.0023	0.00195	0.112	0.0097	0.0065	18.8
19-Sep	0.149	0.0018	0.00135	0.0541	0.0101	0.0028	0.1
20-Sep	0.125	0.0016	0.00217	0.0586	0.0101	0.0032	0.6
21-Sep	0.114	0.0090	0.00831	0.084	0.0130	0.0055	0
22-Sep	0.116	0.0084	0.00626	0.174	0.0061	0.0031	2.7
23-Sep	0.117	0.0097	0.00683	0.163	0.0032	0.0025	0
24-Sep	0.097	0.0089	0.00664	0.184	0.0041	0.0023	0
25-Sep	0.098	0.0085	0.00591	0.157	0.0018	0.0016	8.6
26-Sep	0.113	0.0110	0.00715	0.185	0.0022	0.0020	19.7
27-Sep	0.151	0.0126	0.00692	0.153	0.0024	0.0021	56.6
28-Sep	0.0684	0.0074	0.00273	0.134	0.0026	0.0025	3.3
29-Sep	0.070	0.0064	0.00238	0.135	0.0048	0.0016	70.5
30-Sep	0.298	0.0274	0.00208	0.117	0.0072	0.0029	17.2
Average	0.100	0.0072	0.0048	0.180	0.0045	0.0034	
Max	0.298	0.0274	0.0083	0.32	0.0130	0.0139	
Min	0.033	0.0016	0.0014	0.0501	0.0016	0.0016	
Criteria	Permit Limit (PE-06858)			BC WQG			
Max	1.00	0.60	0.20	0.0330	n/a	0.0042	
30 Day Average	n/a	n/a	n/a	0.0075	n/a	0.00110	
Exceedance of Max				Exceedance of 30-Day av.			

There were no missed samples in September 2021 and all reported results were within permit limits for MP-EFF daily composites.

Exceedances of the WQG for total zinc was observed in all daily composites from MC-TP4 including the 30-day average (chronic). Dissolved copper was reported above Max WQG for 5 of the 30 days. The 30-day average was above the chronic guideline.

Monthly/Quarterly Grab Sample Results

Results for required parameters are tabulated below and are in mg/L unless otherwise stated. While more sampling has been conducted as per PE 06858 for frequency, only results requiring comparison to permissible limits have been listed. Receiving environment locations have been compared to WQG for reference. Cells highlighted in pink indicate an exceeded maximum (acute) total water quality guideline, cells highlighted in orange indicate an exceeded 30-day average (chronic) total water quality guidelines.

Table 10: pH Results

pH	MC M-1 0124784	Myra Ponds E100666*	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
July		7.42	7.51	5.57	7.76	7.62	7.28	7.25
August		7.67			7.12	7.19	8.10	7.36
September	7.28	7.42			6.81	6.77	7.80	7.05

*Myra Ponds have continuous pH readings, readings obtained during grab samples are listed.

No Permit limits were exceeded for pH in the grab samples taken.

Table 11: Zinc Results

Total Zinc (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
July	<0.0040	0.2380	2.3900	4.8900	0.1020	0.0686	0.1310	0.0071
August		0.6990			0.2120	0.1470	0.1250	0.0142
September	<0.0040	0.0715			0.1420	0.1650	0.1830	0.0070
Limit (WQG Max or P-06858)	0.0075	1	n/a	n/a	0.0330	0.0330	1	0.0330
BC WQG 30 day	0.0330	n/a	n/a	n/a	0.0075	0.0075	n/a	0.0075
Dissolved Zinc (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
July	<0.0040	0.0747	0.8620	4.4000	0.0942	0.0539	0.0806	<0.0040
August		0.0256			0.2150	0.1470	0.0702	<0.0040
September	<0.0040	0.0139			0.1300	0.1680	0.2170	0.0058

Limit (WQG Max or P-06858)	n/a	0.5	n/a	n/a	n/a	n/a	0.5	n/a

No Permit limits were exceeded for total or dissolved zinc in the grab samples taken. Total Zinc concentrations exceeded acute & chronic water quality guidelines in all three months at the MC-TP4 and MC-M2 locations.

Table 12: Copper Results

Total Copper (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
July	0.0004	0.0147	0.22	0.522	0.00329	0.00306	0.00426	0.00101
August		0.1160			0.00802	0.00601	0.00614	0.00266
September	0.0005	0.1630			0.00953	0.00802	0.00738	0.00101
Limit (WQG Max or P-06858)		0.6	n/a	n/a			0.6	
Dissolved Copper (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
July	0.00040	0.00630	0.04250	0.39000	0.00257	0.00199	0.00089	0.00045
August		0.01050			0.00661	0.00524	0.00140	0.00050
September	0.00040	0.00969			0.00864	0.00680	0.00630	0.00078
Limit (WQG Max or P-06858)	0.00110	0.2	n/a	n/a	0.00110	0.00110	0.20	0.00110
BC WQG 30 day	0.00020	n/a	n/a	n/a	0.00020	0.00020	n/a	0.00020

There were no permit limits exceeded for total copper. Dissolved copper concentrations exceeded the 30-day water quality guideline in all three months at the MC-TP4, MC-M2, MC-M1 and Gold River Bridge locations. The acute guideline was exceeded at MC-TP4 and MC-M2 in all 3 months.

Table 13: Lead Results

Total Lead (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
July	<0.0002	0.00241	0.0402	0.02290	0.00030	0.00063	0.0296	<0.0002
August		0.04380			0.00083	0.00001	0.0316	0.00100

September	<0.0002	0.00147			0.00039	0.00033	0.0388	<0.0002
BC WQG max	Calc.	n/a	n/a	n/a	Calc.	Calc.	n/a	Calc.
BC WQG 30 day	Calc.	n/a	n/a	n/a	Calc.	Calc.	n/a	Calc.
Dissolved Lead (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
July	<0.00020	<0.00020	0.00298	0.00321	<0.00020	<0.00020	0.00452	<0.00020
August		<0.00020			<0.00020	<0.00020	0.00271	<0.00020
September	<0.00020	<0.00020			<0.00020	<0.00020	0.0293	<0.00020
Permit Limit	n/a	0.05	0.03	0.03	n/a	n/a	0.05	n/a

There were no permit limits or WQGs exceeded for Lead.

Table 14: Iron Results

Total Iron (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
July	<0.0100	0.0730	0.7	1.1	0.0110	0.0150	0.2270	0.0120
August		1.0700			0.0250	0.0050	0.3240	0.0440
September	<0.0100	0.0510			0.0140	0.0170	0.3330	0.0100
BC WQG max	1.0	n/a	n/a	n/a	1.0	1.0	n/a	1.0
Dissolved Iron (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
July	<0.0100	<0.0100	<0.010	0.4	<0.0100	<0.0100	<0.0100	<0.0100
August		<0.0100			<0.0100	<0.0100	<0.0100	<0.0100
September	<0.0100	<0.0100			<0.0100	<0.0100	0.2180	<0.0100
BC WQG max	0.35	n/a	n/a	n/a	0.35	0.35	**n/a**	n/a

There were no exceeded permit limits or WQG for Iron; total or dissolved.

Table 15: Cadmium Results

Total Cadmium (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
July	<0.000010	0.001060	0.008040	0.013500	0.000229	0.000192	0.000710	0.000024

August		0.001700			0.000438	0.000316	0.00064	0.000053
September	<0.000010	0.000247			0.000380	0.000378	0.001010	0.000019
Dissolved Cadmium (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
July	0.000011	0.000759	0.005580	0.011700	0.000219	0.000173	0.000501	0.000017
August		0.000136			0.000463	0.000314	0.000430	0.000005
September	<0.000010	0.000077			0.000380	0.000379	0.001250	0.000018
BC WQG max	0.00012	n/a	n/a	n/a	0.00012	0.00012	n/a	0.00012
BC WQG 30 day	0.000070	0.005	n/a	n/a	0.000070	0.000070	0.005	0.000070

No permit limits were exceeded during this quarter for cadmium in grab samples. Dissolved cadmium was above maximum hardness-based water quality guidelines at MC-TP4 and MC-M2 in all 3 months.

Table 16: Phosphorus Results

Total Phosphorus (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
July	<0.0500	<0.0500	0.0800	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
August		<0.0500			<0.0500	<0.0500	<0.0500	<0.0500
September	<0.0500	<0.0500			<0.0500	<0.0500	<0.0500	<0.0500
BC WQG	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dissolved Phosphorus (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
July	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
August		<0.0500			<0.0500	<0.0500	<0.0500	<0.0500
September	<0.0500	<0.0500			<0.0500	<0.0500	<0.0500	<0.0500
BC WQG	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Phosphorus, both total and dissolved were below detection limits for all samples taken in the quarter minus one sample at the mill ditch (total phosphorus).

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Events Outside of Normal Operational Parameters

There were 3 events in Q3 2021, where unusual or unexpected events resulted in permit non-compliances:

- Missed sample at MP-EFF daily autosampler, August 1st, 2021. As previously stated, an equipment malfunction resulted in the missed sample.

- Unauthorized bypass of the works on Sept 17th, 2021, - DGIR 212283. Supplemental information regarding this bypass has been submitted to regulatory agencies.

- On Sept 30th, 2021, a dissolved cadmium result was observed above permissible limits (0.005 mg/L) with a reported value of 0.00557 mg/L. This result aligned with a large storm event where retention times in the treatment system and polishing ponds were decreased. Concentrations of dissolved cadmium have returned to compliant levels in all analytical reports received since. While the effluent permit states dissolved cadmium is required to be analyzed once per quarter, Myra Falls Mine evaluates a full suite of metals daily from our autosampler systems. This exceedance was not observed on the quarterly sampling interval but has been relayed for transparency and data sharing.

Josh Fry

Josh Fry
Environmental Projects Coordinator

Myra Falls Mine
A Trafigura Group Company



Myra Falls Mine

Quarterly Water Quality Report – Q4 2021

Submitted as required under Effluent Permit PE-06858

Prepared by Myra Falls Mine Environmental Dept.

Myra Falls Mine
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THROUGHOUT THE QUARTER, VARIOUS QUALITY CONTROL (QC) SAMPLES WERE OBTAINED TO ASSIST IN EVALUATING PRECISION OF SAMPLING/PROCESSING TECHNIQUES, AND ANALYTICAL RESULTS ALONG WITH EVALUATION OF SITE SAMPLING LOCATIONS AND SAMPLE STREAM HOMOGENEITY. SAMPLES OBTAINED INCLUDED HAND DUPLICATES, EQUIPMENT DUPLICATES, EQUIPMENT BLANKS AND FILTER BLANKS. 37

RELATIVE PERCENT DIFFERENCE (RPD) IS CALCULATED BETWEEN A DUPLICATE SAMPLE AND “PARENT” SAMPLE TO MEASURE HOW SIMILAR EACH PARAMETER IS TO ONE ANOTHER. THE RPD BETWEEN PARAMETERS INDICATES HOW REPRODUCIBLE THE SAMPLING TECHNIQUE IS BETWEEN PARENT AND DUPLICATE SAMPLE; THE LOWER THE RPD, THE MORE REPRODUCIBLE AND THEREFORE SUITABLE THE EVALUATED SAMPLING TECHNIQUE. A VALUE OF 20% OR LOWER RPD HAS BEEN DEEMED “ACCEPTABLE” FOR SAMPLE REPRODUCIBILITY. ONE OR MORE OF THE SAMPLE RESULTS MUST BE REPORTED AT A LEVEL 2 TIMES GREATER THAN THE REPORTED DETECTION LIMIT TO MINIMIZE MATHEMATICAL PERCENT ERROR WHEN EVALUATING RESULTS NEAR DETECTION LIMITS FOR A VALID RPD CALCULATION. BLANK SAMPLES ARE GENERATED USING LABORATORY SUPPLIED DEIONIZED WATER SUITABLE FOR THE SELECTED CHEMICAL ANALYSES REQUESTED. SAMPLES ARE EITHER PASSED THROUGH EQUIPMENT TO EVALUATE EQUIPMENT HYGIENE AND TECHNIQUE OR PLACED INTO A BOTTLE AND CARIED THROUGH THE ROUTINE SAMPLING PROCEDURES. BLANKS HAVE BEEN EVALUATED BY COMPARING REPORTED ANALYTICAL RESULTS TO REPORTED DETECTION LIMITS. TARGETS OF AN ACCEPTABLE BLANK ARE ALL PARAMETERS BELOW TWO TIMES THE REPORTED DETECTION LIMIT. OTHER CONSIDERATIONS INCLUDE NUMBER OF PARAMETERS REPORTING HIGHER LEVELS OF INCREASE FROM DETECTION LIMITS AND PARAMETERS ROUTINELY REPORTING NUMBERS IN CONCERNING LEVELS INDICATING CONTAMINATION. 37

A TOTAL OF 1588 PARAMETERS WERE EVALUATED FOR HAND AND EQUIPMENT DUPLICATES USING OF THE ANALYTICAL RESULTS FROM QC SAMPLES. OF THESE PARAMETERS, 49 WERE FOUND ABOVE 20% RPD. STIRRING OF NEARBY SEDIMENTS NEAR SHORES IS THOUGHT TO BE A LEADING CAUSE OF INCREASED VARIABILITY BETWEEN SAMPLES. MITIGATION TECHNIQUES IMPLEMENTED INCLUDE USE OF A SWING SAMPLER, GREATER CARE WITH HAND FILTERING AND PROPER SELECTION OF SAMPLE STREAM LOCATION(S). 38

A TOTAL OF 150 PARAMETERS WERE EVALUATED FOR EQUIPMENT BLANKS USING ANALYTICAL RESULTS AND REPORTED DETECTION LIMITS. OF THE 150 VALUES, ONLY 5 REPORTED VALUES ABOVE ACCEPTABLE LIMITS. NONE OF THE PARAMETERS USED WERE PARAMETERS OF CONCERN ON SITE WITH PRESCRIBED PERMIT LIMITS. ONGOING ATTENTION TO DETAILS WHILE USING EQUIPMENT AND PERSISTENT HYGIENE WILL CONTINUE TO CONTROL POTENTIAL CONTAMINATION. 38

EVALUATION OF THE USAGE OF THE TWO MP-EFF AUTOSAMPLER LOCATIONS WAS PERFORMED BY COMPARING AS DUPLICATES AND CALCULATING RPD. DURING THE QUARTER, A TOTAL OF 1500 PARAMETERS WERE COMPARED WITH A TOTAL OF 212 INDICATING UNACCEPTABLE VARIANCE. THIS TRIGGERED THE NEED FOR AN INTERNAL INVESTIGATION ON THE REASON FOR SAMPLE VARIANCE AND THE MOST REPRESENTATIVE LOCATION FOR AN AUTOSAMPLER INTAKE AT MP-EFF. AS STATED EARLIER IN THIS REPORT, THIS QC INVESTIGATION AIDED IN THE SELECTION OF THE NEW AUTOSAMPLER INTAKE COUPLED WITH FIELD RECONNAISSANCE WITH RESIDENT ENVIRONMENTAL STAFF. 38

RESULTS OF QC HAS PROVIDED INSIGHT ON SAMPLING TECHNIQUES AND HYGIENE OF EQUIPMENT AND HAVE ALREADY ENHANCED ATTENTION TO STORAGE, HANDLING MAINTENANCE AND CLEANING OF ENVIRONMENTAL EQUIPMENT UTILIZED ON SITE. UPCOMING GOALS OF THE DEPARTMENT INCLUDE MAXIMIZING REPRODUCIBILITY OF SAMPLING TECHNIQUE AND HYGIENE FACILITATED THROUGH TRAINING SESSIONS, AWARENESS, AND RAPID EVALUATION OF TARGETED QUALITY CONTROL SAMPLES USING GUIDANCE FROM THE LATEST EDITION OF THE BC FIELD SAMPLING MANUAL. 39

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Introduction

Scope of Report

The following report details the environmental monitoring activities pertaining to the effluent permit PE-06858 issued under the Environmental Management Act and administered by the British Columbia Ministry of Environment and Climate Change Strategy (BC ENV) at the Myra Falls Mine from October 1 – December 31, 2021 (Q4). The report includes description of site environmental management systems, a data review report as required under PE-06858 Section 4.1, and a summary of unusual events occurring on site throughout the quarter.

Nyrstar Myra Falls Overview

Regional Environmental/Ecological Conditions

Location and Topography

The footprint of the Nyrstar Myra Falls mine site straddles the Myra Valley and the lower reaches of Myra Creek (Figure 2). Myra Creek flows from west to east through a steep-sided hanging valley and discharges over Myra Falls into Buttle Lake.

The slopes of Myra Valley climb steeply with an average gradient of 1.5H:1V. To the south, the slope rises to 1814 meters above sea level (MASL) at the summit of Mount Myra from the average valley bottom elevation of 307 MASL. Topography in the area exerts a strong influence on air mass movement and wind directions. Winds blow predominantly along the axis of the Myra Valley. At night, air masses are drawn down the mountains, continue along the valley floor and out over Buttle Lake. During the day, winds up cast along the mountainsides with air masses typically moving up the valley. Wind velocities at Nyrstar Myra Falls are generally low, typical of sites in protected valleys.

Myra Creek Drainage System

Myra Creek has a total length of 16 km and drains an area of 72 km^2 into Buttle Lake. Approximately 2km of Myra creek runs through the active mine site through an engineered channel. Myra Creek and its tributaries are characterized by steep, cascading mountain streams bounded by rock. The creek descends in elevation from 1,814 m to 221 m at Buttle Lake. Its three major tributaries are Tennent Creek, Arnica Creek and Webster Creek.

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Myra Falls has three major clean water diversion ditches diverting water from upslope areas to Arnica Creek, Cascade Creek and Myra Creek from the north side of the site.

Flow Monitoring

There are two continuous streamflow monitoring stations.

- MYR-BDG-US, and
- MYR-BDG.

Station MYR-BDG-US is the original monitoring station for Myra Creek and is located beneath the main access road bridge. MYR-BDG is the new, long-term streamflow monitoring station installed in 2019. This station is located on the pipe bridge that crosses Myra Creek approximately 1 km downstream of MYR-BDG-US.

The new gauge is downstream of the effluent discharge point (MP-EFF) and Webster Creek. The new gauge instrumentation consists of a Campbell Scientific datalogger and radio telemetry system. The stage sensor is a non-contact FTS radar sensor, installed in the center of the pipe bridge overlooking the creek. The gauge conforms to RISC (2018) Grade A data quality standards and was installed by Swiftwater Consulting Ltd. ("Swiftwater").

Average daily flow rates in cubic metres per second for the quarter can be seen on the following table:

Table 1: Daily Flow Rates in m^3/s - MP-EFF & MYRA-BDG

Date	MP-EFF	MYR-BDG	Date	MP-EFF	MYR-BDG	Date	MP-EFF	MYR-BDG
01-Oct	0.40550	11.90419	**01-Nov**	0.52847	5.31989	**01-Dec**	1.04117	53.62131
02-Oct	0.45016	11.97428	**02-Nov**	0.60203	12.09596	**02-Dec**	0.65818	21.75251
03-Oct	0.42421	11.60708	**03-Nov**	0.98670	48.04575	**03-Dec**	0.48991	11.12558
04-Oct	0.41269	5.81145	**04-Nov**	1.00306	51.33877	**04-Dec**	0.45174	7.72909
05-Oct	0.40434	5.72413	**05-Nov**	0.76963	24.19454	**05-Dec**	0.45759	5.83000
06-Oct	0.28693	5.41259	**06-Nov**	0.69512	13.39941	**06-Dec**	0.44045	5.07081
07-Oct	0.31842	4.11210	**07-Nov**	0.68181	9.82067	**07-Dec**	0.40747	4.70356
08-Oct	0.25689	3.49360	**08-Nov**	0.62153	8.02760	**08-Dec**	0.39872	5.76284
09-Oct	0.33039	7.11244	**09-Nov**	0.78321	9.06639	**09-Dec**	0.35354	4.39699
10-Oct	0.33836	8.41306	**10-Nov**	0.58865	7.65657	**10-Dec**	0.33460	4.14148
11-Oct	0.29453	4.34883	**11-Nov**	0.57094	7.54864	**11-Dec**	0.56914	6.82562
12-Oct	0.37935	4.55116	**12-Nov**	0.65724	24.75862	**12-Dec**	0.42118	4.89365

13-Oct	0.32615	4.43859	**13-Nov**	0.47406	12.71435	**13-Dec**	0.43552	4.27766
14-Oct	0.30314	4.59095	**14-Nov**	0.88003	38.56877	**14-Dec**	0.51733	3.79253
15-Oct	0.50937	29.27368	**15-Nov**	0.74794	21.81642	**15-Dec**	0.41165	3.37879
16-Oct	0.65621	42.93980	**16-Nov**	0.55720	12.16599	**16-Dec**	0.38729	3.04543
17-Oct	0.59398	20.60100	**17-Nov**	0.55655	8.02870	**17-Dec**	0.34149	2.75417
18-Oct	0.45627	10.31084	**18-Nov**	0.41828	6.15019	**18-Dec**	0.33425	2.73557
19-Oct	0.54219	6.75627	**19-Nov**	0.41008	4.97337	**19-Dec**	0.28698	2.52684
20-Oct	0.51727	10.40994	**20-Nov**	0.38653	4.37256	**20-Dec**	0.18859	2.21614
21-Oct	0.74690	37.50079	**21-Nov**	0.40983	3.98221	**21-Dec**	0.18176	2.06770
22-Oct	0.76240	27.89675	**22-Nov**	0.38923	4.22679	**22-Dec**	0.31228	7.07333
23-Oct	0.53598	15.22942	**23-Nov**	0.38493	4.62204	**23-Dec**	0.49372	5.40662
24-Oct	0.65262	22.71328	**24-Nov**	0.42036	3.95801	**24-Dec**	0.39895	3.70716
25-Oct	1.17998	49.54663	**25-Nov**	0.82087	22.86827	**25-Dec**	0.26600	2.99611
26-Oct	1.02776	37.56568	**26-Nov**	0.53875	15.05159	**26-Dec**	0.26794	2.62249
27-Oct	0.77780	23.52389	**27-Nov**	0.79601	22.45894	**27-Dec**	0.26783	2.35165
28-Oct	0.60501	13.78977	**28-Nov**	0.86639	44.92732	**28-Dec**	0.26976	2.27439
29-Oct	0.54908	9.44286	**29-Nov**	0.66177	24.30728	**29-Dec**	0.45116	2.40572
30-Oct	0.58631	7.14341	**30-Nov**	0.83701	33.18511	**30-Dec**	0.42919	2.29255
31-Oct	0.56021	5.72364				**31-Dec**	0.43562	2.17262

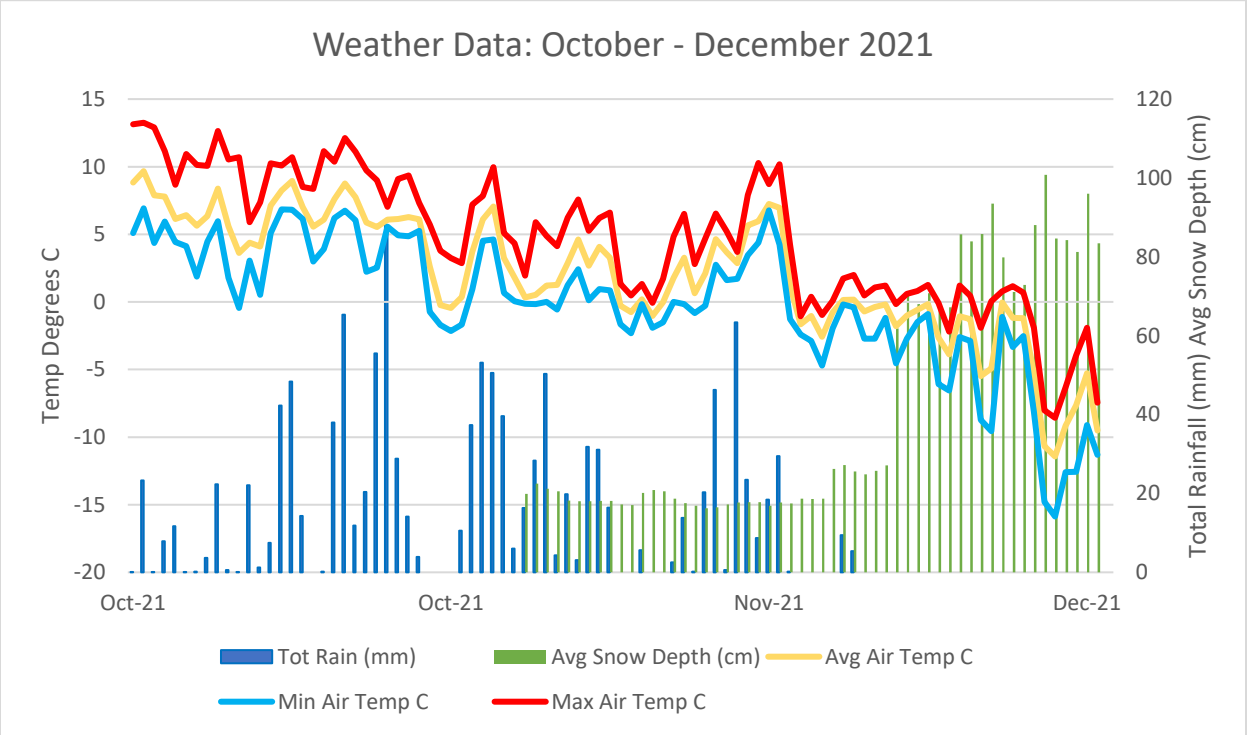
Climate

The climate in the Myra Valley and surrounding areas is classified as Marine West Coast as per the Köppen Climate Classification System. Weather patterns are typical of other coastal regions of British Columbia. Frequent fronts from the Pacific Ocean and Gulf of Alaska combine with orographic influences to produce abundant precipitation. Prevailing westerly winds and the moderating influence of the Pacific Ocean result in generally mild winters and warm summers, producing a relatively narrow annual temperature range. Freezing conditions can be expected to occur anytime from October through May. Records indicate that the site should average 160 frost-free days per year.

Weather

The meteorological station is situated on-site approximately 250m south of the mill near the bunkhouse parking lot. This station recorded an approximate total of 1178.5mm of rainfall this quarter with an additional ~2.5m of snowfall. The highest precipitation day was experienced on October 25th, where 88.0mm was recorded. No precipitation events were observed over an expected 1:1 annual exceedance probability event.

Figure 1: Meteorological Data



Tailings Disposal Facilities

From 1967-1984, tailings were deposited sub-aqueously into the south end of Buttle Lake. Since 1984, the mine has utilized surface tailings disposal facilities (TDF) for its tailing's impoundments, starting with the Myra Tailings Disposal Facility (now referred to as the Old TDF), which was filled to completion in 2011. In 2008, an additional impoundment named the "Lynx TDF" became the main depositional facility for tailings. At final design elevation of 382.5m, the Lynx TDF will provide storage for approximately 1.5 Mt of pasted tailings equating to 8 additional years of surface deposition requirements at current production projections. Included in this design is the ability to store the 1:200 Annual Exceedance Probability (AEP) event 24-hour Environmental Design Flood (EDF) of 226,000 m^3, with flood waters in excess of that volume directed out of the facility through the Emergency Spillway to Myra Creek. As of late October 2021, the elevation of the facility is 373.5 MASL after completion of this year's lift.

Lime Addition Water Treatment System

The water treatment system at Myra Falls collects and treats contaminated groundwater, surface runoff, mill effluent, tailings decant water, mine water and sewage treatment plant effluent. Contaminated water is directed to a ditch just

upstream of the primary reaction pond, (Superpond) where the pH is increased to a target pH of 10.2, (effective range between 10 and 10.5 pH) through the addition of lime slurry ($Ca(OH)_2$). The elevated pH causes metals to become insoluble and precipitate out of solution primarily as metal hydroxide sludge. The Superpond discharges into the Myra Polishing Ponds System, consisting of a series of 6 settling ponds that allow any remaining suspended solids to settle out of solution.

Except for Myra 3, which only decants to Myra Out, there are two potential discharge points for each settling pond. By adding or removing check boards, decant outflows can be increased, decreased, or ponds isolated completely in response to changing operational or environmental circumstances. A CO_2 sparger located immediately downstream of pond confluence adjusts the treated effluent's pH back down within permitted limits and is monitored continuously to maintain a target pH of 8.5 (effective operating range between 8.3 and 8.7 pH). The treated water is then discharged to Myra Creek via a 30" Parshall flume equipped with an ultrasonic device that continuously monitors flow rates.

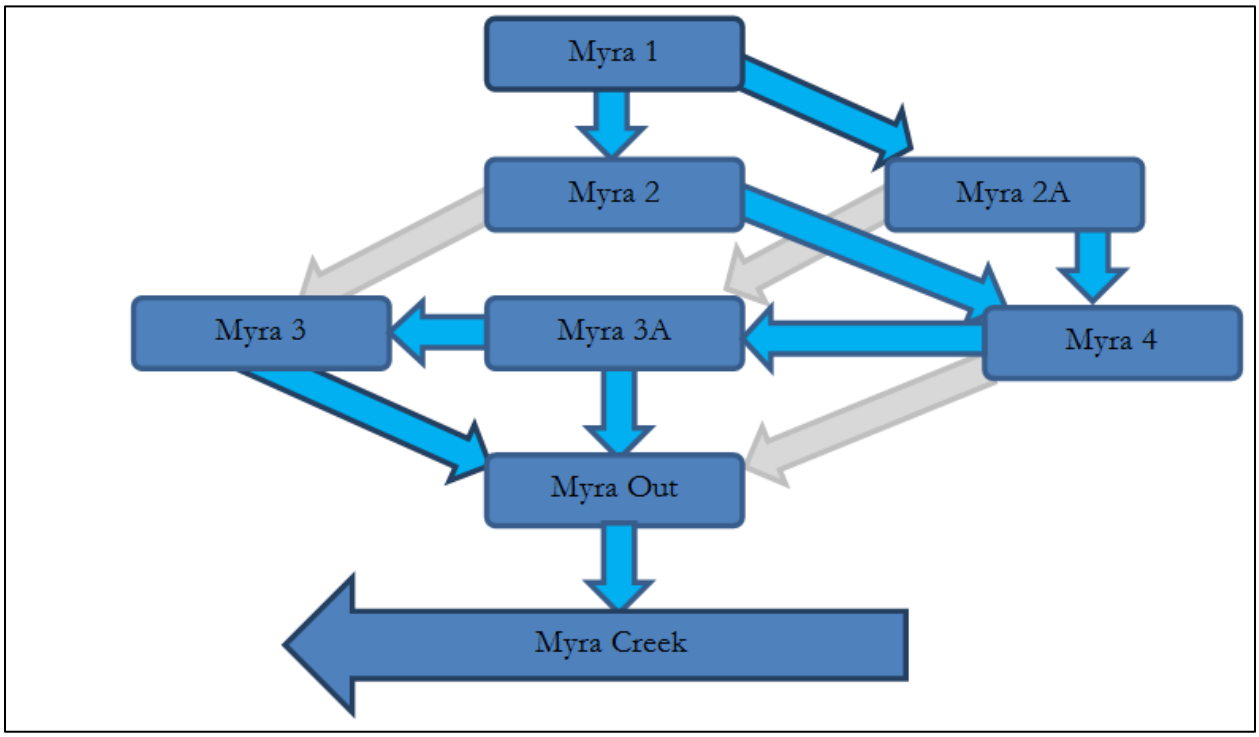


Figure 2: Treatment Ponds Configuration

Treatment ponds must be regularly cleaned of settled solids to maintain settling capacity and thus retention time to maintain operational effectiveness. The Superpond is equipped with an automated traversing barge and pump system (Mudcat) which

pumps sediment laden water to the active Tailings Disposal Facility (Lynx TDF) thereby slowing the rate of sludge build up in the Superpond and operating to maintain treatment capacity and residence time. The Myra Polishing Ponds have received a similar system as the Superpond for removing sludge but is operated on an "as needed" basis. The system was commissioned in Q2 2021 for removal of sludge from Ponds 1, 2 & 2A. Efforts to remove sludge ceased in the last half of Q4 2021 due to freezing conditions. Dredging efforts will continue in 2022.

Water Quality Monitoring

The water quality monitoring program at Myra falls is outlined in the Effluent Permit PE-06858 Section 3; monitoring locations are described in Table 2; sampling frequencies and analytical requirements are detailed in Table 3. Results of this monitoring program are discussed in the following sections.

A permit amendment was received July 5th, 2018 that changed some monitoring requirements resulting in additional sampling locations and, changes to some methodologies. These changes are discussed in the following section on sampling methodology and depicted in the tables below.

Table 2: Monitoring Requirements

Site Name / SNR	Monitoring Purpose
Tailings Impoundment Decant Effluent **TDF-EFF** **SRN: E207740**	Monitored for quality to determine compliance with effluent limits as per PE-06858. This water is currently routed to treatment as the decant structure to allow flows to creek has not yet been constructed.
Outlet at Superpond Inlet Ditch (eastern mine footprint) **TDF Dissipater Outlet** **E311488**	Monitored for quality to determine the concentrations of influent to the treatment system. Aids in assessing the effectiveness of treatment, characterizing the incoming contaminants from the Eastern portion of the surface footprint of the mine, as well as the Lynx Spring Drain and the Myra Tailings Dam (Old TDF) Underdrain system.
Outlet at Superpond Inlet Ditch (western mine footprint) **Mill Run - Off Collection Ditch** **E311028**	Monitored for quality to determine the concentrations of influent to the treatment system. Aids in assessing the effectiveness of treatment, characterizing the incoming contaminants from the Western portion of the surface footprint of the mine, as well as the Mill Effluent and the Outflow from the sewage treatment systems.
Mine contact water effluent outfall **MP-EFF** **E100666**	Monitored for quality to ensure treatment system is operating within expected parameters and to determine compliance with effluent limits as per PE-06858. This water is monitored at the decant location to Myra Creek.
Price Pond, below Portal #13 **PR-13L** **E100662**	Monitored for quality to determine compliance with effluent limits as per PE-06858. This facility is an infiltration basin, infiltrating to ground and does not allow surface flow out of the facility as designed.

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Site Name / SNR	Monitoring Purpose
Sewage effluent from HW treatment plant **HW STP E311008**	Monitored to ensure compliance with permit limits and effectiveness of treatment.
Sewage effluent from Myra treatment plant **Myra STP E311009**	Monitored to ensure compliance with permit limits and effectiveness of treatment
Myra Creek, 30 m upstream from Tennent Hydro Plant **MC-M1** **EMS-0124784**	This location serves as the upstream reference site to determine the relative impacts on Myra Creek by the Myra Falls Operations. The hardness as measured at MC-M1 Monitoring Location is used to determine the hardness based WQG for all Myra Creek Monitoring Sites.
Myra Creek, 1.3 km downstream from Lower Lynx Diversion Ditch **MC-M2 EMS-0124785**	This location is the furthest downstream monitoring location in Myra Creek and is downstream of all mine-related inputs. This site is also downstream of the clean-fill quarries used by the mine as reclamation cover materials.
Myra Creek, below Pumphouse #4 **MC-TP4D/M** **EMS- E206805**	Located immediately downstream of Pumphouse 4, downstream of the seepage collection system, upstream of the Lower Lynx Diversion Ditch. This site monitors the immediate impacts of the mine to Myra Creek.
Mid lake off Henshaw Creek depths @ 0 m, 10 m, 20 m, 40 m, 60 m and 100 m **HENSHAW** **EMS-0130082**	Buttle Lake approximately 2.8 km downstream of the base of Myra Falls This site monitors the water quality impacts of the mine to Buttle Lake both at surface and at depth.
Mid lake off Karst Creek depths @ 0 m, 10 m, 20 m, 40 m, 60 m and 100 m **KARST** **EMS-0130090**	Mid lake off Ralph River Boat Launch. Approx. 600m from boat launch.
Buttle Lake off Gold River Bridge depth @ surface **BL-GOLD** **EMS-0130080**	This is the sample site located furthest downstream from the mine. It is sampled in conjunction with the Myra Creek samples at the Buttle Narrows.

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Table 3: Analytical Requirements

Sampling Point Description	Mid Lake off Henshaw Creek (HENSHAW)	Mid Lake off Ralph River Boat Ramp (KARST)
Field Measurements and Frequency		
pH	ETM-G	ETM-G
Dissolved Oxygen	ETM-G	ETM-G
Temperature	ETM-G	ETM-G
Specific Conductivity	ETM-G	ETM-G
Secchi Disk	ETM-G	ETM-G
Analytical Parameters and Frequency		
pH	ETM-G	
Total Suspended Solids	ETM-G	
Turbidity	ETM-G	
Total Alkalinity	-	
Total and Dissolved Aluminium	ETM-G	
Total and Dissolved Cadmium	ETM-G	
Total and Dissolved Calcium	ETM-G	
Total and Dissolved Copper	ETM-G	
Total and Dissolved Iron	ETM-G	
Total and Dissolved Lead	ETM-G	
Total and Dissolved Phosphorus	ETM-G	
Total and Dissolved Manganese	ETM-G	
Nitrogen (as Ammonia)	ETM-G	
Nitrate/Nitrite	ETM-G	
Silica	ETM-G	
Sulphate	ETM-G	
Total and Dissolved Zinc	ETM-G	
Biological Parameters and Frequency		

Zooplankton, 25 m vertical haul, species identification and count	ETM-G
Phytoplankton, surface sample, species identification and count	ETM-G
Chlorophyll "a"	ETM- G

Sampling Point Description	Tailings Impoundment Decant Effluent	Outlet at Superpond Inlet Ditch (eastern mine footprint)	Outlet at Superpond Inlet Ditch (western mine footprint)	Mine contact water effluent outfall	Price Pond, below Portal #13	Sewage effluent from two treatment plants
Physical Parameters and Frequency						
Flow	D when discharging	-		Co	-	
Analytical Parameters and Frequency						
pH	Co-R	Q-G	Q-G	Co-R	M-G	-
TSS	M-G	Q-G	Q-G	M-G	-	BA-G
Total Zinc	D-G	Q-G	Q-G	D-C	M-G	-
Dissolved Zinc	M-G	Q-G	Q-G	M-G	-	
Total Copper	D-G (LDL)	Q-G	Q-G	D-C (LDL)	M-G	-
Dissolved Copper	D-G (LDL)	Q-G	Q-G	D-C (LDL)	-	
Total Cadmium	Q-G				-	
Dissolved Cadmium	Q-G				-	
Total Lead	W-G	Q-G	Q-G	W-G	-	
Dissolved Lead	M-G	Q-G	Q-G	M-G	-	
Sulphate	Q-G				-	
Total Nitrogen	Q-G				-	
Total Phosphorus	Q-G				-	
Bioassay Parameters and Frequency						
Toxicity Test[3]	Q-G	-		Q-G	-	
5-day Biochemical Oxygen Demand	-					**BA-G**

Sampling Point Description	Myra Creek, 30 m upstream from Hydro Plant	Myra Creek, 75 m downstream from Line Bridge crossing	Myra Creek, below Pumphouse #4
Analytical Parameters and Frequency			
pH	Q-G	M-G	D-C
Temperature	-	M	-
Total Zinc	Q-G	M-G	D-C
Dissolved Zinc	Q-G	M-G	M-G

Total and Dissolved Aluminium	Q-G		
Total and Dissolved Cadmium	-	M-G	M-G
Total and Dissolved Copper	Q-G	M-G	D-C (LDL)
Total and Dissolved Iron	Q-G		
Total and Dissolved Lead	Q-G	M-G	M-G
Total and Dissolved Phosphorus	-	M-G	-
Nitrogen (as Ammonia)	-	M-G	-
Nitrate/Nitrite	-	M-G	-
Sulphate	-	M-G	-

Sampling Methodology

Daily Composite Monitoring

Treated effluent is discharged from a point source location listed in the permit as Myra Ponds or MP-EFF (EMS-ID E100666). This location is sampled daily with a YSI pro sample P series composite autosampler, which takes 125mL samples every 3 hours (8 aliquots per day totalling one 1000 mL composite sample). Daily composites are collected weekly and shipped to an accredited off-site lab for analysis of total and dissolved metals analysis. Effluent pH and flow are continuously monitored through an automated logging system, with quality control checks performed by operational personnel every 6 hours. Daily composite samples at TP4 are collected with a Sigma SD900 autosampler, using the similar volumes and the same sampling frequency described above.

At MP-EFF, an additional instrumentation hut was constructed above the outlet ditch for the Myra Ponds (opposite side of original sampler) to change location of the current intake point. This system was put online on August 31st, 2021, with the naming convention MP-EFF (B) – DC while the existing location was named MP-EFF (A) - DC. The intake location at MP-EFF (B) DC is hosted within the centre of Myra Ponds outlet ditch; approximately 10m downstream of the CO_2 addition "sparger" and approximately 20m upstream of the Parshall Flume used to quantitate outflows. The new sampler intake has been suspended in a fixed elevation and guarded with grating to restrict large debris from interacting with the intake screen on the sampler. The Myra Falls Mine operated both autosamplers in these locations from August 31, 2021 to October 18, 2021 to evaluate chemical differences between the two locations.

Based on analytical data and observations, Myra Falls has chosen the new location (MP-EFF (B) – DC) as the sole autosampler site on October 19, 2021. The reasons Myra Falls Mine chose the pump-house location to the new sampling hut are::

- The original location was not able to be heat traced, and the autosampler has failed historically in freezing temperatures
- The original location uptake line is below the pumphouse in a protected pumping well and was not located in the direct flow of discharge waters
    - sediment from the water treatment tends to build up in the area the intake line was located
    - Roots of a nearby Himalayan blackberry bush have grown around the intake line location
    - Backflushing from the pumps in the pumphouse stirs the sediment in the pumping well where the intake line was and was believed to cause elevated solids in the sample results when the pumps are used frequently.

Variance between analytics reported at autosampler locations gave insight on the suggested influence from backflushing of the pumphouse 4 pumps and sampler intake location. These evaluation techniques are summarized in the Quality Control section of this report.
The new location is insulated, heated, clean, and the intake lines can be heat traced to prevent freezing during cold weather. Analytical results from this hut will be stated from October 19, 2021 onward..

The Myra Falls Mine has opted to complete the analyses for the full suite of dissolved and total metals for each daily composite collected. Full metals analyses provide more information used to improve the calibration of the Site-Wide Geochemical Model developed to determine the potential future impacts of different water management systems and to assess potential closure plan options prior to design work being completed for permitting.

Surface Grab Samples

Grab samples are collected weekly, monthly, bi-monthly, and quarterly and semi-annually as required by PE-06858. The samples are sent off-site for analyses of total suspended solids (TSS), total and dissolved metals, numerous anions, nutrients, and various other general chemical parameters. Acute and chronic toxicity tests and perform monthly and semi-annual respectively and include: 96-hr rainbow trout (RBT) LC_{50} (acute). While not displayed in this report, results from acute lethality for RBT were favourable and did not have survival of <50% in a 96-hour test.

Receiving Environment Depth Profile Samples (Buttle Lake)

Every second month, a depth profile for two separate sites on Buttle Lake is developed by collecting grab samples at various depth intervals with a Van Dorn or Kemmerer Sampler. The Henshaw Location is approximately 2.8 km downstream of the base of

Myra; the Karst Location is approximately 8.5 km downstream from the base of Myra Falls. Both sites are sampled at depths 0, 10, 20, 40, 60, and 100 meters. When the 100 m depth cannot be reached due to shallowness of the lake, a sample is collected 1 meter above the lakebed, as measured by a fish finder to prevent stirring of bottom sediments into the water column and skewing the results of the total metals analysis.

In addition to water chemistry, surface samples of phytoplankton and chlorophyll-a, and a 25 m vertical tow to sample zooplankton are collected as part of the Buttle Lake sampling program. Field physical parameters (temperature, pH, specific conductivity, and dissolved oxygen) are taken at in 5 m intervals from surface to depths of 50 meters using a Sonde. A secchi disk is deployed to determine clarity at each location.

During this quarter, 2 sampling events occurred for both lake sites during the months of October and December. Results for field measurements are as follows:

Table 4: Buttle Lake Physical Parameters - October 20th, 2021 & December 8th, 2021

		HENSHAW (BL-HEN)			
DEPTH	**DATE**	**PH-F**	**TEMP-F (Deg C)**	**SP-COND (us/cm)**	**DO-F (mg/L)**
0	2021-10-20	7.15	12.3	45	10.21
5	2021-10-20	7.03	12.3	46	10.21
10	2021-10-20	7.02	11.3	45	10.46
15	2021-10-20	6.84	11.0	47	10.59
20	2021-10-20	6.84	10.6	41	10.66
25	2021-10-20	6.79	9.4	41	10.83
30	2021-10-20	6.77	8.1	43	10.89
35	2021-10-20	6.69	6.5	45	10.60
40	2021-10-20	6.63	6.3	46	10.57
45	2021-10-20	6.60	6.1	47	10.58
50	2021-10-20	6.58	6.0	46	10.55
55	2021-10-20	6.55	5.9	46	10.48
60	2021-10-20	6.54	5.8	47	10.45

Lake Depth - 78m
Secchi - 7.5m

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KARST (BL-KARS)

DEPTH	DATE	PH-F	TEMP-F (Deg C)	SP-COND (us/cm)	DO-F (mg/L)
0	2021-10-20	7.2	12.4	45	10.33
5	2021-10-20	7.3	12.4	45	10.31
10	2021-10-20	7.3	12.2	45	10.31
15	2021-10-20	7.3	11.5	43	10.45
20	2021-10-20	7.3	10.7	41	10.59
25	2021-10-20	7.3	9.3	42	10.88
30	2021-10-20	7.2	7.0	41	11.17
35	2021-10-20	7.2	6.7	41	11.18
40	2021-10-20	7.1	6.5	41	11.16
45	2021-10-20	7.1	6.4	41	11.16
50	2021-10-20	7.1	6.3	41	11.18
55	2021-10-20	7.1	6.2	40	11.15
60	2021-10-20	7.1	6.1	40	11.13

Lake Depth - 132m
Secchi - 10.5m

HENSHAW (BL-HEN)

DEPTH	DATE	PH-F	TEMP-F (Deg C)	SP-COND (us/cm)	DO-F (mg/L)
0	2021-12-08	6.85	5.8	57.7	13.19
5	2021-12-08	6.95	5.9	57.7	13.60
10	2021-12-08	6.92	5.9	57.2	13.50
15	2021-12-08	6.92	5.7	57	13.01
20	2021-12-08	6.93	5.9	57.8	13.00
25	2021-12-08	6.94	5.9	57.7	12.98
30	2021-12-08	6.95	5.8	57.7	13.02
35	2021-12-08	6.95	5.8	56.4	12.98
40	2021-12-08	6.95	5.7	58.7	12.92
45	2021-12-08	6.91	5.7	59.3	12.95
50	2021-12-08	6.80	5.7	59.6	12.94
55	2021-12-08	6.77	5.7	59.7	12.92
60	2021-12-08	6.75	5.6	60.2	12.86

Lake Depth – N/A
Secchi - 7.5m

		KARST (BL-KARS)			
DEPTH	**DATE**	**PH-F**	**TEMP-F (Deg C)**	**SP-COND (us/cm)**	**DO-F (mg/L)**
0	2021-12-08	7.25	6.5	38.2	12.87
5	2021-12-08	7.25	6.5	38.2	12.80
10	2021-12-08	7.18	6.5	38.2	12.96
15	2021-12-08	7.26	6.5	38.8	12.73
20	2021-12-08	7.23	6.5	38.2	12.70
25	2021-12-08	7.18	6.5	38.2	12.67
30	2021-12-08	7.19	6.5	38.2	12.65
35	2021-12-08	7.20	6.5	32.0	12.69
40	2021-12-08	7.12	6.5	32.6	12.63
45	2021-12-08	7.16	6.4	32.2	12.65
50	2021-12-08	7.15	6.3	32.2	12.64
55	2021-12-08	7.13	6.3	37.1	12.63
60	2021-12-08	7.16	6.2	37.1	12.61

Lake Depth – N/A
Secchi - 8.5m

Results for required analytical parameters per the effluent permit are found in the tables below. Note that results below detection limits are prefixed by a "<", and all reported results are in mg/L unless otherwise stated. Lake depths were not acquired on December 8th, 2021.

Table 5: Buttle Lake Chemical Parameters - October 20th, 2021 & December 8th, 2021

	HENSHAW October 20, 2021					
Parameter	**0m**	**10m**	**20m**	**40m**	**60m**	**100m**
pH	7.31	7.29	7.25	7.3	7.3	n/a
TSS (mg/L)	2.4	<2.0	<2.0	<2.0	<2.0	n/a
Turbidity (NTU)	0.61	0.35	0.51	0.27	0.19	n/a
Al-D	0.0149	0.0221	0.0295	0.0123	0.0128	n/a
Al-T	0.104	0.0304	0.0428	0.0217	0.024	n/a
Cd-D	0.000024	0.000028	0.000026	0.000039	0.000036	n/a
Cd-T	0.000029	0.000012	0.000034	0.000032	0.000011	n/a
Ca-D	8.8	9.12	8.66	10.4	10.8	n/a

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Ca-T	9.08	9.22	8.79	10.7	11.5	n/a
Cu-D	0.00056	0.0007	0.00069	0.00067	0.00064	n/a
Cu-T	0.00135	0.00084	0.00098	0.00087	0.00112	n/a
Fe-D	<0.010	<0.010	<0.010	0.017	<0.010	n/a
Fe-T	0.015	0.015	0.02	0.013	0.035	n/a
Pb-D	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	n/a
Pb-T	0.00039	<0.00020	<0.00020	<0.00020	<0.00020	n/a
P-D	<0.050	<0.050	<0.050	<0.050	<0.050	n/a
P-T	<0.050	<0.050	<0.050	<0.050	<0.050	n/a
Mn-D	0.00048	0.00058	0.00106	0.00122	0.00219	n/a
Mn-T	0.00246	0.00215	0.00276	0.00425	0.00626	n/a
Nitrogen as ammonia (mg/L)	0.052	<0.050	0.053	0.084	0.053	n/a
Nitrate/Nitrite (mg/L)	0.0578	0.0256	0.0275	0.0515	0.0584	n/a
Silica	3.23	2.9	2.98	3.56	3.69	n/a
Sulfate (mg/L)	4.7	5.9	5.8	7.1	7.7	n/a
Zn-D	0.009	0.0118	0.0111	0.0118	0.0124	n/a
Zn-T	0.0104	0.0118	0.0127	0.013	0.0148	n/a

	KARST October 20					
Parameter	**0m**	**10m**	**20m**	**40m**	**60m**	**100m**
pH	7.5	7.22	7.24	7.35	7.34	7.32
TSS (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Turbidity (NTU)	0.61	0.28	0.47	0.16	0.14	0.17
Al-D	0.013	0.0194	0.0223	0.0114	0.0143	0.0103
Al-T	0.0195	0.0214	0.0423	0.0151	0.0155	0.0203
Cd-D	0.000019	0.000021	0.000025	0.00002	0.000022	0.00002
Cd-T	0.000024	0.000022	0.000026	0.000016	0.000017	0.000023
Ca-D	9.35	9	8.53	9.38	9.66	9.73
Ca-T	8.98	8.96	8.6	9.69	9.61	9.85
Cu-D	0.00054	0.00062	0.00064	0.00062	0.0021	0.00057
Cu-T	0.0105	0.00072	0.00081	0.0007	0.00058	0.0006
Fe-D	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fe-T	0.01	0.012	0.022	<0.010	<0.010	<0.010
Pb-D	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Pb-T	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
P-D	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
P-T	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Mn-D	0.00023	0.00027	0.00061	0.00022	0.00024	0.00109
Mn-T	0.00127	0.00118	0.0025	0.00128	0.00146	0.00307
Nitrogen as ammonia (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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Nitrate/Nitrite (mg/L)	<0.0200	0.021	0.0271	0.0432	0.045	0.0443
Silica	3.03	3.15	3.15	3.81	3.81	3.85
Sulfate (mg/L)	4.2	4.4	4.9	4.1	4.1	4.2
Zn-D	0.0057	0.0106	0.0079	0.0069	0.0062	0.0082
Zn-T	0.0079	0.0101	0.0094	0.0071	0.0069	0.0064

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	HENSHAW December 8					
Parameter	**0m**	**10m**	**20m**	**40m**	**60m**	**100m**
pH	6.94	6.97	6.95	6.95	6.96	n/a
TSS (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	n/a
Turbidity (NTU)	0.45	0.39	0.53	0.4	0.41	n/a
Al-D	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	n/a
Al-T	0.06	0.0455	0.0452	0.0432	0.0333	n/a
Cd-D	0.000045	0.000053	0.000028	0.000053	0.000044	n/a
Cd-T	0.000074	0.000038	0.000024	0.000049	0.000062	n/a
Ca-D	8.89	8.98	8.97	9.02	9.31	n/a
Ca-T	9.21	9.31	9.07	9.12	9.37	n/a
Cu-D	0.00113	0.00113	0.00131	0.00116	0.00132	n/a
Cu-T	0.00227	0.00137	0.00541	0.00143	0.00121	n/a
Fe-D	<0.010	0.01	<0.010	<0.010	0.016	n/a
Fe-T	0.037	0.03	0.066	0.021	<0.010	n/a
Pb-D	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	n/a
Pb-T	0.00105	<0.00020	<0.00020	<0.00020	<0.00020	n/a
P-D	<0.050	0.08	0.065	<0.050	<0.050	n/a
P-T	<0.050	<0.050	<0.050	0.097	<0.050	n/a
Mn-D	0.00192	0.0019	0.00201	0.0021	0.00409	n/a
Mn-T	0.00424	0.00353	0.00394	0.00369	0.00285	n/a
Nitrogen as ammonia (mg/L)	0.059	<0.050	<0.050	<0.050	<0.050	n/a
Nitrate/Nitrite (mg/L)	0.0309	0.18	0.0424	0.0313	0.036	n/a
Silica	3.19	3.19	3.19	3.27	3.32	n/a
Sulfate (mg/L)	5.6	5.6	5.6	5.6	6.3	n/a
Zn-D	0.0173	0.0146	0.0148	0.0156	0.0218	n/a
Zn-T	0.0367	0.0151	0.0219	0.0195	0.0186	n/a

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	KARST December 8					
Parameter	**0m**	**10m**	**20m**	**40m**	**60m**	**100m**
pH	6.99	6.99	6.88	6.96	6.98	7.01
TSS (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Turbidity (NTU)	0.29	0.3	0.38	0.39	0.47	0.25
Al-D	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Al-T	0.0271	0.0248	0.0237	0.0269	0.0328	0.0145
Cd-D	0.000017	0.000027	0.000026	0.000029	0.00002	0.000028
Cd-T	0.000027	0.000014	0.000029	0.000024	0.000022	0.000037
Ca-D	8.4	9.29	9.34	9.07	9.22	9.82
Ca-T	9.93	9.56	9.57	9.17	9.34	9.87
Cu-D	0.00065	0.00055	0.00064	0.00071	0.0007	0.00103
Cu-T	0.00111	0.00084	0.0008	0.00077	0.0012	0.00084
Fe-D	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fe-T	0.017	0.017	0.019	0.017	0.018	0.011
Pb-D	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Pb-T	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
P-D	<0.050	0.056	<0.050	0.076	<0.050	<0.050
P-T	<0.050	0.059	<0.050	<0.050	0.059	0.102
Mn-D	0.00069	0.00071	0.00062	0.00088	0.00105	0.00112
Mn-T	0.00168	0.00153	0.00154	0.00182	0.00257	0.00287
Nitrogen as ammonia (mg/L)	<0.050	<0.050	<0.050	<0.050	0.053	<0.050
Nitrate/Nitrite (mg/L)	0.0321	0.0326	0.0333	0.0372	0.0341	0.0455
Silica	3.65	3.65	3.65	3.69	3.52	3.85
Sulfate (mg/L)	3.9	4	4	4.7	4.4	4.3
Zn-D	0.0059	0.0066	0.0079	0.0156	0.0091	0.0122
Zn-T	0.0083	0.0079	0.0075	0.0074	0.0105	0.0082

Water Treatment Monitoring and Performance

Flows through the water treatment system come from multiple sources, including surface run-off, groundwater recovery systems, underground mine dewatering systems and process water from the mill, amongst other inputs.

A reclaim pump is located just upstream from the final effluent discharge point to collect treated water for use in processing or dust suppression to reduce the site requirement for fresh water from Tennent, Arnica and Myra Creeks.

Influent

Routine monitoring of influent to the water treatment system is required by permit PE-06858. Grab samples are to be collected from two stations:

- MILL DITCH station. Primarily consists of flows from the Lynx 10L East adit, the Lynx Ditch, and decant flows from the Lynx TDF.
- DISSIPATER station. Primarily consists of groundwater flows from the Old TDF under-drains via Pumphouse No. 4 and flows from the Surge Pond and Springs Drain during high flow periods

Effluent

Effluent flow is monitored continuously by a 30" Parshall flume with an ultrasonic flow measuring device, located approximately 5 m downstream from the reclaim pumps. The flow rate is recorded every minute in the mill historian, and this information is used to calculate the daily flow.

The TDF-Effluent location monitors the quality of the flows entering the TDF that may be released to the receiving environment without treatment when permit limits are met, all flows from the Old TDF are currently treated for pH and metals concentration through the Superpond and are not discharged to the receiving environment as the infrastructure required to allow this to occur has not yet been constructed. No direct discharges from TDF-Effluent were observed in Q4; however, it was sampled a total of 5 times when flows were visible on surface to our treatment system.

Flows from the Price 13 Level Portal are directed to an exfiltration basin referred to as Price Pond. This flow is measured periodically to ensure compliance via a manual measurement taken by measuring the time it takes to fill a container of known volume and calculating the flow rate using the average time of three or more tests. Flows to the Price Pond are authorized at a rate of 3,450 m^3/day.

Table 6: Permitted Effluent Concentrations

Site Parameter	Tailings Pond Effluent	Myra Pond Effluent	Price Pond (east side)
pH		6.5-10 pH Units	6.5-8.5 pH Units
Total suspended solids <110,000 m^3/day	20	25 mg/L	25mg/L
Total suspended solids>110 000 m^3/ day		50 mg/L	
Total Zinc	0.5 mg/L	1.0 mg/L	1.0 mg/L
Dissolved Zinc	0.25mg/L	0.5 mg/L	0.5 mg/L
Total Copper	0.30mg/L	0.6 mg/L	0.6 mg/L
Dissolved Copper	0.10 mg/L	0.2 mg/L	0.2 mg/L
Dissolved Cadmium	0.003 mg/L	0.005 mg/L	0.005 mg/L
Dissolved Lead	0.030 mg/L	0.05 mg/L	0.05 mg/L
Toxicity (96 hr LC_{50})		100%	

Effluent and Receiving Environment Results

The following section provides analyses of results comparing the receiving environment water quality to the BC Water Quality Guidelines for Freshwater Aquatic Life (WQGs) for the parameters listed in the permit PE-06858. Cells highlighted in pink indicate an exceeded maximum (acute) total water quality guideline, cells highlighted in orange indicate an exceeded 30-day average (chronic) total water quality guideline.

Most of the water quality grab samples have been taken at a frequency of less than 5 times in 30 days, and therefore a comparison to the 30-day average (chronic) water quality guideline is not directly applicable. However, the chronic guideline has been included in the charts for reference. Effluent concentration limits are outlined in PE-06858 by authorized discharge location and are summarized in Table 8.

For all parameters with hardness-based water quality guidelines discussed in this report, sample site Gold River (Buttle Lake at Buttle Narrows) calculated using in situ hardness, as there are no upstream analogues appropriate for this location. Sample site MC-M1 (Myra Creek upstream of Tennent Creek) is used for all Myra Creek sampling locations; this sample site is only sampled quarterly, so the average hardness for this location is used in months where a direct measurement is not available.

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Daily Composite Results

The following tables display analytical results from daily composites. All metals results are stated in mg/L:

Table 7: October Composite Results

DATE	MP-EFF-D (T-Zn)	MP-EFF-D (T-Cu)	MP-EFF-D (D-Cu)	MC-TP4-D (T-Zn)	MC-TP4-D (T-Cu)	MC-TP4-D (D-Cu)	Precip. (mm) [1]
2021-10-01	0.17500	0.01060	0.02330	0.1030	0.00471	0.00245	0.10
2021-10-02	0.15100	0.01260	0.00305	0.1290	0.00000	0.00274	23.30
2021-10-03	0.12300	0.00907	0.00287	0.1460	0.00000	0.00235	0.10
2021-10-04	0.17300	0.01430	0.00474	0.1410	0.00000	0.00159	7.90
2021-10-05	0.63000	0.05770	0.00765	0.1530	0.00000	0.00255	11.70
2021-10-06	0.41200	0.03300	0.00502	0.1380	0.00000	0.00216	0.10
2021-10-07	0.19700	0.01080	0.00295	0.1450	0.00000	0.00229	0.20
2021-10-08	0.14300	0.00701	0.00260	0.1240	0.00000	0.00217	3.70
2021-10-09	0.11300	0.00845	0.00202	0.1360	0.00000	0.00226	22.30
2021-10-10	0.11600	0.01230	0.00276	0.1460	0.00000	0.00250	0.60
2021-10-11	0.08910	0.01230	0.00415	0.1400	0.00000	0.00290	0.10
2021-10-12	0.06970	0.00723	0.00493	0.1270	0.00000	0.00177	22.10
2021-10-13	0.07480	0.00766	0.00382	0.1340	0.00000	0.00161	1.20
2021-10-14	0.10100	0.00805	0.00335	0.1240	0.00000	0.00179	7.50
2021-10-15	0.27200	0.01080	0.00304	0.1130	0.00000	0.00320	42.30
2021-10-16	0.29400	0.02030	0.00333	0.1190	0.00000	0.00314	48.40
2021-10-17	0.28500	0.02890	0.00246	0.1500	0.00000	0.00310	14.30
2021-10-18	0.15900	0.01710	0.00197	0.1320	0.00000	0.00236	0.00
2021-10-19	0.04100	0.00671	0.00245	0.1190	0.00000	0.00429	0.20
2021-10-20	0.02640	0.00527	0.00253	0.0851	0.00000	0.00155	38.00
2021-10-21	0.05560	0.00801	0.00315	0.1190	0.00000	0.00260	65.30
2021-10-22	0.27200	0.03230	0.00277	0.1060	0.00000	0.00168	11.90
2021-10-23	0.18200	0.01940	0.00134	0.1000	0.00000	0.00126	20.40
2021-10-24	0.12800	0.00907	0.00170	0.1000	0.00000	0.00174	55.50
2021-10-25	0.36500	0.08350	0.00267	0.0969	0.00000	0.00259	88.00
2021-10-26	0.43700	0.05670	0.00256	0.1120	0.00000	0.00230	28.80
2021-10-27	0.35800	0.03970	0.00260	0.1060	0.00000	0.00222	14.10
2021-10-28	0.32700	0.03480	0.00230	0.0993	0.00000	0.00135	3.90
2021-10-29	0.21500	0.02070	0.00312	0.1280	0.00000	0.00160	0.00

2021-10-30	0.33300	0.03180	0.00554	0.1310	0.00000	0.00201	0.10
2021-10-31	0.60100	0.05500	0.00770	0.1230	0.00000	0.00165	0.30
Average	0.22318	0.02229	0.00401	0.1234	0.00015	0.00225	17.1742
Max	0.63000	0.08350	0.02330	0.1530	0.00471	0.00429	88.0000
Min	0.02640	0.00527	0.00134	0.0851	0.00000	0.00126	0.0000
Criteria	Permit Limit (PE-06858)			BC WQG			
Max	1.00	0.60	0.20	0.0330	n/a	0.0042	
30 Day Average	n/a	n/a	n/a	0.0075	n/a	0.00110	
Exceedance of Max				Exceedance of 30-Day avg.			

There were no missed samples in October 2021 and all reported results were within permit limits for MP-EFF composites. As expected, all composite samples obtained at MC-TP4 exceeded max WQG for total Zinc including the 30-day average. MC-TP4 saw an exceedance of the max WQG for dissolved copper on October 19, 2020 as well as 30-day avg.

Table 8: November Daily Composite Results

DATE	MP-EFF-D (T-Zn)	MP-EFF-D (T-Cu)	MP-EFF-D (D-Cu)	MC-TP4-D (T-Zn)	MC-TP4-D (T-Cu)	MC-TP4-D (D-Cu)	Precip. (mm) [1]
2021-11-01	0.51400	0.04520	0.00771	0.1240	0.00515	0.00216	10.60
2021-11-02	0.18900	0.01330	0.00323	0.1080	0.00532	0.00309	37.30
2021-11-03	0.32600	0.03520	0.00181	0.0841	0.00317	0.00206	53.20
2021-11-04	0.41200	0.04840	0.00182	0.0756	0.00304	0.00224	50.60
2021-11-05	0.32100	0.03970	0.00107	0.1090	0.00270	0.00214	39.60
2021-11-06	0.28800	0.03400	0.00150	0.1120	0.00346	0.00136	6.00
2021-11-07	0.16200	0.01820	0.00238	0.1080	0.00276	0.00166	16.30
2021-11-08	0.13900	0.01870	0.00254	0.1130	0.00271	0.00184	28.30
2021-11-09	0.07000	0.00752	0.00339	0.1040	0.00134	0.00136	50.30
2021-11-10	0.12200	0.01380	0.00264	0.1080	0.00231	0.00146	4.30
2021-11-11	0.11500	0.01200	0.00306	0.1010	0.00381	0.00203	19.80
2021-11-12	0.06560	0.00788	0.00306	0.0861	0.00238	0.00177	3.10
2021-11-13	0.10200	0.01120	0.00326	0.0960	0.00456	0.00115	31.80
2021-11-14	0.19800	0.02310	0.00324	0.0835	0.00425	0.00169	31.10
2021-11-15	0.20800	0.02620	0.00420	0.0962	0.00432	0.00273	16.40

2021-11-16	0.12500	0.01090	0.00409	0.1110	0.00326	0.00252	0.00
2021-11-17	0.18500	0.01410	0.00486	0.1150	0.00228	0.00188	0.00
2021-11-18	0.15200	0.01350	0.00507	0.1120	0.00204	0.00189	0.00
2021-11-19	0.08870	0.01150	0.00454	0.1130	0.00201	0.00174	0.00
2021-11-20	0.09070	0.01210	0.00424	0.1150	0.00207	0.00171	0.00
2021-11-21	0.08740	0.01200	0.00502	0.1130	0.00320	0.00243	0.00
2021-11-22	0.09610	0.01330	0.00527	0.1170	0.00779	0.00238	0.00
2021-11-23	0.07870	0.00855	0.00686	0.0957	0.00352	0.00171	0.00
2021-11-24	0.09530	0.01060	0.00673	0.0943	0.00381	0.00222	0.00
2021-11-25	0.25900	0.03010	0.00551	0.0590	0.00385	0.00218	0.00
2021-11-26	0.10800	0.01670	0.00544	0.0750	0.00378	0.00278	0.00
2021-11-27	0.18200	0.02660	0.00490	0.0647	0.00424	0.00254	0.00
2021-11-28	0.17400	0.02870	0.00443	0.0546	0.00396	0.00196	0.00
2021-11-29	0.17800	0.02380	0.00399	0.0769	0.00658	0.00276	0.00
2021-11-30	0.04530	0.00531	0.00145	0.0556	0.00407	0.00343	0.00
Average	0.17256	0.01974	0.00391	0.09601	0.00359	0.00210	13.2900
Max	0.51400	0.04840	0.00771	0.12400	0.00779	0.00343	53.2000
Min	0.04530	0.00531	0.00107	0.05460	0.00134	0.00115	0.0000
Criteria	Permit Limit (PE-06858)			BC WQG			
Max	1.00	0.60	0.20	0.0330	n/a	0.0042	
30 Day Average	n/a	n/a	n/a	0.0075	n/a	0.00110	

Exceedance of Max | Exceedance of 30-Day avg.

There were no missed samples in November 2021 and all reported results were within permit limits for MP-EFF composites. As expected, all composite samples obtained at MC-TP4 exceeded max WQG for total Zinc including the 30-day average. The 30-day average for dissolved Copper at MC-TP4 was also exceeded.

Table 9: December Daily Composites

DATE	MP-EFF-D (T-Zn)	MP-EFF-D (T-Cu)	MP-EFF-D (D-Cu)	MC-TP4-D (T-Zn)	MC-TP4-D (T-Cu)	MC-TP4-D (D-Cu)	Precip. (mm) [1]
2021-12-01	0.03900	0.00200	0.01040	0.0660	0.00241	0.00184	0.00
2021-12-02	0.13500	0.01520	0.00275	0.1020	0.00226	0.00192	0.00
2021-12-03	0.09630	0.00955	0.00366	0.1060	0.00229	0.00150	0.00
2021-12-04	0.09180	0.25700	0.00459	0.1030	0.00250	0.00169	0.00
2021-12-05	0.08450	0.00986	0.00408	0.1230	0.00386	0.00189	0.00
2021-12-06	0.06320	0.00892	0.00456	0.1080	0.00219	0.00257	0.00

2021-12-07	0.07130	0.00979	0.00468	0.1080	0.00395	0.00160	0.00
2021-12-08	0.08350	0.01060	0.00437	0.0858	0.00188	0.00111	0.00
2021-12-09	0.05310	0.00956	0.00498	0.0941	0.00291	0.00172	0.00
2021-12-10	0.20600	0.02280	0.00322	0.0890	0.00201	0.00139	0.00
2021-12-11	0.14000	0.01880	0.00275	0.0860	0.00234	0.00181	0.00
2021-12-12	0.05230	0.00805	0.00350	0.0900	0.00236	0.00162	0.00
2021-12-13	0.09510	0.00745	0.00284	0.0916	0.00130	0.00131	0.00
2021-12-14	0.09180	0.00825	0.00430	0.1020	0.00183	0.00122	0.00
2021-12-15	0.07300	0.00978	0.00562	0.0996	0.00191	0.00168	0.00
2021-12-16	0.05300	0.00819	0.00508	0.1060	0.00176	0.00172	0.00
2021-12-17	0.05600	0.01010	0.00532	0.1020	0.00163	0.00137	0.00
2021-12-18	0.05430	0.01110	0.00636	0.1080	0.00235	0.00167	0.00
2021-12-19	0.07330	0.01240	0.00730	0.1070	0.00247	0.00223	0.00
2021-12-20	0.05110	0.00949	0.00628	NO SPL	NO SPL	NO SPL	0.00
2021-12-21	0.06100	0.00731	0.00448	0.0990	0.00151	0.00124	0.00
2021-12-22	0.06240	0.00586	0.00312	0.0850	0.00534	0.00392	0.00
2021-12-23	0.13900	0.01460	0.00679	0.0891	0.00345	0.00296	0.00
2021-12-24	0.20400	0.01530	0.00613	0.0911	0.00402	0.00335	0.00
2021-12-25	0.15400	0.01270	0.00421	0.0865	0.00278	0.00207	0.00
2021-12-26	0.14000	0.01330	0.00307	0.0980	0.00374	0.00278	0.00
2021-12-27	0.13400	0.01420	0.00336	0.1180	0.00617	0.00450	0.00
2021-12-28	0.08360	0.00810	0.00105	0.0950	0.00259	0.00193	0.00
2021-12-29	0.11100	0.01050	0.00296	0.1080	0.00267	0.00189	0.00
2021-12-30	0.15100	0.01620	0.00532	0.1030	0.00423	0.00328	0.00
2021-12-31	0.13700	0.01240	0.00435	0.1280	0.00322	0.00252	0.00
Average	0.09808	0.01901	0.00456	0.09926	0.00280	0.00208	0.0000
Max	0.20600	0.25700	0.01040	0.12800	0.00617	0.00450	0.0000
Min	0.03900	0.00200	0.00105	0.06600	0.00130	0.00111	0.0000
Criteria	Permit Limit (PE-06858)			BC WQG			
Max	1.00	0.60	0.20	0.0330	n/a	0.0042	
30 Day Average	n/a	n/a	n/a	0.0075	n/a	0.00110	

Exceedance of Max

Exceedance of 30-Day avg.

There was one missed sample for MC-TP4 on December 20th, 2021. All reported results were within permit limits for MP-EFF daily composites.

On December 20th, 2021 the autosampler at MC-TP4 failed due to insufficient backup power. All auto samplers on site are hard wired and have a 12v battery as a backup in the case of power outage. Following investigation, it was found that the battery no longer held an adequate charge to run the autosampler. The sampler has since been brought back online and is running normally. The environmental department has completed an audit on equipment inspection procedures to minimize power issues to mitigate future incidents.

Exceedances of the WQG for total zinc was observed in all daily composites from MC-TP4 including the 30-day average (chronic). Dissolved copper was reported above Max WQG on December 27th, 2021. The 30-day average was above the chronic guideline.

Monthly/Quarterly Grab Sample Results

Results for required parameters are tabulated below and are in mg/L unless otherwise stated. While more sampling has been conducted as per PE 06858 for frequency, only results requiring comparison to permissible limits have been listed. Receiving environment locations have been compared to WQG for reference. Cells highlighted in pink indicate an exceeded maximum (acute) total water quality guideline, cells highlighted in orange indicate an exceeded 30-day average (chronic) total water quality guidelines.

Table 10: pH Results

pH	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
October	7.19	7.61			7.22	7.23	8.02	7.44
November	7.03	7.65	7.07	4.57	7.22	7.16	7.44	7.54
December		7.24			6.89	7.06	7.8	7.08
Permit Requirement	n/a	6.5-10	n/a	n/a	n/a	n/a	6.5-8.5	n/a

*Myra Ponds have continuous pH readings, readings obtained from grab samples are listed.

No Permit limits were exceeded for pH in the grab samples taken.

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Table 11: Zinc Results

Total Zinc (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
October	<0.004	0.0939			0.0547	0.0618	0.292	0.0044
November	<0.004	0.235	15.7	7.61	0.0503	0.0729	0.0716	0.0068
December		0.303			0.141	0.137	0.145	0.0086
Limit (WQG Max or P-06858)	0.033	1	n/a	n/a	0.033	0.033	1	0.033
BC WQG 30 day	0.0075	n/a	n/a	n/a	0.0075	0.0075	n/a	0.0075
Dissolved Zinc (mg/L)	**MC M-1 0124784**	**Myra Ponds E100666**	**Mill Ditch E311028**	**Dissipater E311488**	**MC TP4 E206805**	**MC M-2 0124785**	**Price 13L E100662**	**Gold River Bridge 0130080**
October	<0.004	0.0042			0.052	0.0549	0.128	0.0041
November	<0.004	0.0527	7.33	7.07	0.0474	0.0595	0.0619	<0.0040
December		0.0693			0.119	0.121	0.0981	0.0046
Limit (WQG Max or P-06858)	n/a	0.5	n/a	n/a	n/a	n/a	0.5	n/a

No Permit limits were exceeded for total or dissolved zinc in the grab samples taken. Total Zinc concentrations exceeded acute & chronic water quality guidelines in all three months at the MC-TP4 and MC-M2 locations. Chronic water quality guidelines were exceeded for Total Zinc at Gold River Bridge in December.

Table 12: Copper Results

Total Copper (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
October	<0.00040	0.0181			0.00355	0.00338	0.0155	0.00052
November	<0.00040	0.0348	1.47	1.03	0.00368	0.00471	0.00361	0.00099
December		0.0323			0.00924	0.00863	0.00725	0.0012
Limit (WQG Max or P-06858)	n/a	0.6	n/a	n/a	n/a	n/a	0.6	n/a
Dissolved Copper (mg/L)	**MC M-1 0124784**	**Myra Ponds E100666**	**Mill Ditch E311028**	**Dissipater E311488**	**MC TP4 E206805**	**MC M-2 0124785**	**Price 13L E100662**	**Gold River Bridge 0130080**
October	<0.00040	0.00712			0.00284	0.00274	0.00101	0.0005
November	<0.00040	0.00303	0.271	0.885	0.00128	0.00169	0.00208	<0.00040
December		0.00638			0.00538	0.00529	0.0009	0.00058
Limit (WQG Max or P-06858)	0.0011	0.2	n/a	n/a	0.0011	0.0011	0.2	0.0011
BC WQG 30 day	0.0002	n/a	n/a	n/a	0.0002	0.0002	n/a	0.0002

There were no permit limits exceeded for total copper. Dissolved copper concentrations exceeded the acute water quality guideline in all three months at the MC-TP4 and MC-M2 locations. The chronic guideline was exceeded at Gold River Bridge for October and December.

Table 13: Lead Results

Total Lead (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
October	<0.00020	0.00422			0.00044	0.00037	0.0768	<0.00020
November	<0.00020	0.0066	0.776	0.116	0.0003	0.00096	0.00621	<0.00020
December		0.00227			0.00039	0.00038	0.0313	<0.00020
BC WQG Max	Calc.	n/a	n/a	n/a	Calc.	Calc.	n/a	Calc.
BC WQG 30 Day	Calc.	n/a	n/a	n/a	Calc.	Calc.	n/a	Calc.
Dissolved Lead (mg/L)	**MC M-1 0124784**	**Myra Ponds E100666**	**Mill Ditch E311028**	**Dissipater E311488**	**MC TP4 E206805**	**MC M-2 0124785**	**Price 13L E100662**	**Gold River Bridge 0130080**
October	<0.00020	<0.00005			<0.00020	<0.00020	0.00377	<0.00020
November	<0.00020	<0.00020	0.00096	0.0671	<0.00020	<0.00020	0.0031	<0.00020
December		<0.00020			<0.00020	<0.00020	0.00465	<0.00020
Permit Limit	n/a	0.05	n/a	n/a	n/a	n/a	0.05	n/a

There were no permit limits or WQGs exceeded for Lead.

Table 14: Iron Results

Total Iron (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
October	<0.010	0.208			0.017	0.016	1.03	<0.010
November	<0.010	0.184	5.64	8.52	0.017	0.198	0.04	0.011
December		0.172			0.037	0.028	0.341	0.016
BC WQG Max	1	n/a	n/a	n/a	1	1	n/a	1
Dissolved Iron (mg/L)	**MC M-1 0124784**	**Myra Ponds E100666**	**Mill Ditch E311028**	**Dissipater E311488**	**MC TP4 E206805**	**MC M-2 0124785**	**Price 13L E100662**	**Gold River Bridge 0130080**
October	<0.010	0.0029			<0.010	<0.010	0.01	<0.010
November	<0.010	<0.010	0.034	4.01	<0.010	<0.010	<0.010	<0.010
December		<0.010			<0.010	<0.010	<0.010	<0.010
BC WQG Max	0.35	n/a	n/a	n/a	0.35	0.35	n/a	n/a

There were no exceeded permit limits or WQG for Iron; total or dissolved.

Table 15: Cadmium Results

Total Cadmium (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
October	<0.000010	0.000428			0.000141	0.00015	0.00135	0.000012
November	<0.000010	0.000987	0.0538	0.0302	0.000138	0.000213	0.000264	0.00002
December		0.000992			0.000328	0.00039	0.000809	0.00003
Dissolved Cadmium (mg/L)	**MC M-1 0124784**	**Myra Ponds E100666**	**Mill Ditch E311028**	**Dissipater E311488**	**MC TP4 E206805**	**MC M-2 0124785**	**Price 13L E100662**	**Gold River Bridge 0130080**
October	<0.000010	0.0000551			0.000131	0.000151	0.000683	0.000016
November	<0.000010	0.000366	0.0264	0.0272	0.000144	0.000164	0.000256	<0.000010
December		0.000276			0.000325	0.000373	0.000574	0.00002
BC WQG Max	0.00012	n/a	n/a	n/a	0.00012	0.00012	n/a	0.00012
BC WQG 30-Day	0.00007	0.005	n/a	n/a	0.00007	0.00007	0.005	0.00007

No permit limits were exceeded during this quarter for cadmium in grab samples. Dissolved cadmium was above maximum hardness-based water quality guidelines at MC-TP4 and MC-M2 in all 3 months.

Table 16: Phosphorus Results

Total Phosphorus (mg/L)	MC M-1 0124784	Myra Ponds E100666	Mill Ditch E311028	Dissipater E311488	MC TP4 E206805	MC M-2 0124785	Price 13L E100662	Gold River Bridge 0130080
October	<0.05	<0.01			<0.05	<0.05	<0.05	<0.05
November	<0.05	<0.05	0.124	<0.05	<0.05	<0.05	<0.05	<0.05
December		<0.05			<0.05	<0.05	<0.05	0.053
BC WQG	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dissolved Phosphorus (mg/L)	**MC M-1 0124784**	**Myra Ponds E100666**	**Mill Ditch E311028**	**Dissipater E311488**	**MC TP4 E206805**	**MC M-2 0124785**	**Price 13L E100662**	**Gold River Bridge 0130080**
October	<0.05	<0.01			<0.05	<0.05	<0.05	<0.05
November	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
December		<0.05			<0.05	<0.05	<0.05	<0.05
BC WQG	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Phosphorus, both total and dissolved were below detection limits for all samples taken in the quarter except one sample at the Mill Ditch and Gold River Bridge (total phosphorus).

TDF-EFF Results

The Old TDF (TDF-EFF) discharge was sampled a total of 5 times throughout the quarter; however, this water is directed to treatment and is not released to the creek. The TDF-EFF location will be constructed to be released directly to Myra Creek in the summer of 2022. The following table displays analytical parameters from TDF-EFF for the quarter. Yellow results indicate an exceedance of Permit 6858 if the water was discharged directly to Myra Creek. These results are only informational and do not indicate permit non-compliance.

Table 17: TDF-EFF Results

Date	Total Copper (mg/L)	Dissolved Copper (mg/L)	Total Zinc (mg/L)	Dissolved Zinc (mg/L)	Dissolved Cadmium (mg/L)	Dissolved Lead (mg/L)
2021-10-25	0.0471	0.0408	0.355	0.357	0.00147	0.000057
2021-10-26	0.0262	0.0173	0.149	0.144	0.000703	0.000106
2021-11-05	0.162	0.0631	0.95	0.609	0.00271	0.00324
2021-11-28	0.0237	0.02	0.173	0.161	0.000773	0.000052
2021-12-01	0.0491	0.0374	0.266	0.223	0.00103	0.000056

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Quality Control

Throughout the quarter, various quality control (QC) samples were obtained to assist in evaluating precision of sampling/processing techniques, and analytical results along with evaluation of site sampling locations and sample stream homogeneity. Samples obtained included hand duplicates, equipment duplicates, equipment blanks and filter blanks.

Relative Percent Difference (RPD) is calculated between a duplicate sample and "parent" sample to measure how similar each parameter is to one another. The RPD between parameters indicates how reproducible the sampling technique is between parent and duplicate sample; the lower the RPD, the more reproducible and therefore suitable the evaluated sampling technique. A value of 20% or lower RPD has been deemed "acceptable" for sample reproducibility. One or more of the sample results must be reported at a level 2 times greater than the reported detection limit to minimize mathematical percent error when evaluating results near detection limits for a valid RPD calculation. Blank samples are generated using laboratory supplied deionized water suitable for the selected chemical analyses requested. Samples are either passed through equipment to evaluate equipment hygiene and technique or placed into a bottle and caried through the routine sampling procedures. Blanks have been evaluated by comparing reported analytical results to reported detection limits. Targets of an acceptable blank are all parameters below two times the reported detection limit. Other considerations include number of parameters reporting higher levels of increase from detection limits and parameters routinely reporting numbers in concerning levels indicating contamination.

A total of 1588 parameters were evaluated for hand and equipment duplicates using of the analytical results from QC samples. Of these parameters, 49 were found above 20% RPD. Stirring of nearby sediments near shores is thought to be a leading cause of increased variability between samples. Mitigation techniques implemented include use of a swing sampler, greater care with hand filtering and proper selection of sample stream location(s).

A total of 150 parameters were evaluated for equipment blanks using analytical results and reported detection limits. Of the 150 values, only 5 reported values above acceptable limits. None of the parameters used were parameters of concern on site with prescribed permit limits. Ongoing attention to details while using equipment and persistent hygiene will continue to control potential contamination.

Evaluation of the usage of the two MP-EFF autosampler locations was performed by comparing as duplicates and calculating RPD. During the quarter, a total of 1500 parameters were compared with a total of 212 indicating unacceptable variance. This triggered the need for an internal investigation on the reason for sample variance and the most representative location for an autosampler intake at MP-EFF. As stated earlier in this report, this QC investigation aided in the selection of the new autosampler intake coupled with field reconnaissance with resident environmental staff.

Results of QC has provided insight on sampling techniques and hygiene of equipment and have already enhanced attention to storage, handling maintenance and cleaning of environmental equipment utilized on site. Upcoming goals of the department include maximizing reproducibility of sampling technique and hygiene facilitated through training sessions, awareness, and rapid evaluation of targeted quality control samples using guidance from the latest edition of the BC Field Sampling Manual.

Events Outside of Normal Operational Parameters

There were 2 events in Q4 2021, where usual or unexpected events resulted in permit non-compliances:

- Unauthorized bypass of the works on October 25th, 2021, - DGIR 212856. Supplemental information regarding this bypass has been submitted to regulatory agencies.
- On December 20th, 2021 the auto sampler at MC-TP4 failed due to insufficient backup power. Subsequently, there is no daily composite sample for this date. The sampler was brought back online immediately, and maintenance procedures have been reviewed to ensure issues like this are caught before an incident occurs.

Ethan Zarchikoff

Ethan Zarchikoff
Environmental Technician

Appendix J

2021 Spill Reports and Other Correspondence

Myra Falls Mine
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October 18, 2021

To whom it may concern,

Re: DGIR 212283, September 17, 2021

Please find enclosed the final report for a September 17, 2021 non-compliance event at Myra Falls Mine Ltd, which was initially reported on Sept 18, 2021. The event was related to highly turbid road-runoff entering Myra Creek during a high intensity precipitation event. The Dangerous Goods Incident Report number associated with this event is 212283.

Description of Events

Myra Falls Mine had not recorded a significant rain event (>20 mm/ 24 hours) since May 28, 2021, and the site had been under a prolonged dry period prior to the event. Weather preparations for fall had started, however the roadways and other surfaces were dusty from the dry summer.

On September 17, 2021 Myra Falls Mine recorded a high-intensity precipitation event, with 34.4 mm of measured rainfall between 13:00 and 17:00 (1:00 pm and 5:00 pm). Any precipitation measured at site over 4 mm/hour is considered moderate, rainfall over 8 mm/hr is considered high, and above 15 mm/hr is considered extreme, based on the performance of the infrastructure at site following an event.

Table 1: Precipitation Data

Intensity Precipitation Interval	1 Hour	1 Hour	1 Hour	1 Hour	Peak 24 hr Intensity
Precipitation (mm)	6.2	8.6	9.2	10.4	82.0
Time measured	13:59	14:59	15:59	16:59	Sept 16 23:00 – Sept 17 22:59

At approximately 14:30 it was observed by the Environmental Staff that turbid water was running down the packed gravel section of the public road and entering Myra Creek between the car bridge and 25 sump (see Figure 1). The road run-off was measured to be flowing at a rate of 5 L/s.

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The source water was entering the creek at the approximate location of the orange star and was sampled at this location. The mixing zone was sampled just under the conveyor, at approximately the location marked by the blue star in Figure 1.



Figure 1: Sampling locations September 17, 2021

Figure 2 shows the water flowing down the road near 25 sump (horizontal arrow), with the drainage ditch indicated in the background by the vertical blue arrow.
Figure 3 shows the 25 sump inlet ditch berm (horizontal arrow) in the background, with the pooled water in the foreground. The vertical arrow shows the location the water was draining to Myra Creek.

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Figure 2: Water running down road, with ditch in background



Figure 3: Water discharge location, with ditch berm in background

Myra Falls Mine Response

Upon observing the discharge, the Environmental staff member contacted the surface crew for assistance. While waiting for the surface crew to mobilize to the location, samples were collected for Acute Toxicity and general chemistry, and field parameters were measured in both the discharge flow and Myra Creek, approximately 10 m downstream of the inflow.

When the equipment arrived at the discharge location, the Environmental Staff member directed the operator to create water bars and cross trenches from the road surface to the existing storm ditch network to direct the turbid water into the water treatment system. In addition, the operator removed any sills left by the grader, which were preventing water from flowing into the ditch upslope of the discharge.

Following the changes to the water flow, the discharge continued at a reduced rate between 1.5 and 2 hours from the build-up in the pool that could not be re-routed and *in situ* rain. The duration of the flow is estimated to be 3 hours (14:30 – 17:30). Using the 5 L/s flow rate measured, it is estimated that the spill was between 50,000 L and 54,000 L in total.

Analytical Results

Results of the water chemistry analysis compared to the prescribed limits of Schedule 4 of the Metal and Diamond Mines Effluent Regulations (MDMER) are presented below in Table 2. Please see schedule A for a PDF copy of the sample results.

The samples taken on September 17 from the discharge and Myra Creek did not show toxicity at 100% concentration. Please see Schedule B for a PDF copy of the toxicity report.

Table 2: Sample Results relative to MDMER and BC Water Quality Guidelines

Parameter	Total concentration (mg/L)				
	MDMER Limit	Lab Results			BC Max WQG
		Discharge	MC - Mix Zone	MC-TP4 site	
Arsenic	0.6	0.05870	0.00079	<0.00050	0.005
Copper	0.6	1.31000	*0.00212*	*0.00648*	*0.0002*
Lead	0.2	1.7400	0.0158	0.0010	0.00447
Nickel	1	0.0395	0.000388	0.00053	0.025
Zinc	1	6.6000	0.0552	0.1120	0.033
Suspended Solids	30	980	27	N/C	-
Un-iodized Ammonia	1	0.051	<0.050	N/C	8.24

The chemical results indicate that the discharge was above MDMER definitions for a deleterious release to an aquatic environment for copper, lead, zinc and suspended solids. Recorded concentrations within the Myra Creek mixing zone (10 meters from the discharge site) were elevated above the BC short-term water quality guideline for copper (dissolved), lead (total) and zinc (total).

It is noted that the concentrations noted for zinc and copper are consistent with similar values during high flows, and higher concentrations were measured for both parameters in a composite sample collected at the MC-TP4 site 1 kilometer downstream. Accordingly, it is difficult to determine if the elevated levels of copper and zinc are a direct result of the discharge, or a combination with other sources in Myra Creek during the event.

Mitigating Actions

The following measures have been taken, or are intended to be taken, to prevent any similar occurrence of an unauthorized deposit:

- Myra Falls Mine has cleaned out the road ditching network, including cut-outs in the berm that drain water from the roadway, in order to ensure flows are channeled to the ditching network instead of the roadway;

- Myra Falls Mine will increase the frequency of inspections of the ditching network; and

- Myra Falls Mine is working to identify opportunities to improve water management across site, directing water away from the public road upslope of this area, and opening the downslope ditching to allow passive flow into the existing works.

If you require any additional information with respect to this matter, please do not hesitate to contact us at your convenience.

Sincerely,

Nicole Pesonen
Environmental Superintendent
Myra Falls Mine Ltd.

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November 24, 2021

To whom it may concern,

Re: DGIR 212856, October 25, 2021

Please find enclosed the final report for the October 25, 2021 non-compliance event at Myra Falls Mine Ltd, which was initially reported on October 25, 2021. The event was related to the overtopping of "25-Sump" to Myra Creek during a high intensity precipitation event. The Dangerous Goods Incident Report number associated with this event is 212856.

Description of Events

Myra Falls Mine was experiencing a significant rain event (>20 mm/ 24 hours) that started on the evening of October 24th, and continued through to mid-day October 27th. During the event a total of 185.8 mm fell, with a maximum hourly intensity of 7.6 mm / hour (measured between 3 and 4 pm October 25th) and a maximum 24 hour intensity of 95mm / 24 hours (occurred between 4 an 5 pm October 25th). During this time frame it was observed that high intensity precipitation would occur for short durations (10 minutes or so) by employees out in the field.

Any precipitation measured at site over 4 mm/hour is considered moderate, rainfall over 8 mm/hr is considered high, and above 15 mm/hr is considered extreme, based on the performance of the infrastructure at site following an event.

Table 1: Precipitation Data

Intensity Precipitation Interval	1 Hour	1 Hour	1 Hour	Peak 24 hr Intensity
Precipitation (mm)	6.0	7.6	6.3	95.00
Time measured	14:59	15:59	16:59	Oct 24 17:00 – Oct 25 16:59

At approximately 16:20 it was observed by the Environmental Superintendent that turbid water was entering the overflow channel for 25 sump (see Figure 1). Turbidity was not observed in Myra Creek upon initial observation. A small turbidity cloud had formed in Myra Creek at the confluence with the overflow ditch by the time the Environmental Superintendent had arrived at the 25 sump location.

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The sump water was entering the creek at the approximate location of the orange star and was sampled directly from the sump. The mixing zone was sampled just under the conveyor, at approximately the location marked by the blue star in Figure 1.



Figure 1: Sampling locations October 25, 2021

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Myra Falls Mine Response

Upon observing the discharge, the Environmental Superintendent immediately attended the scene to respond, and were joined by the tailings operator almost immediately upon arrival. The tailings operator was alerted to the high level alarm on the sump and was on his way to start the emergency back-up pump. A second member of the environmental team (Environmental Technician) joined shortly after the Tailings Operator arrived, having seen the vehicles in the location.

Upon arrival, the Environmental Superintendent measured the depth of the flow over the weir in the sump. The Environmental Superintendent then collected samples from the mixing zone in Myra Creek, while the Environmental Technician collected samples from the sump discharge. During this time the tailings operator started the back-up pump and left the scene once the discharge had ceased to continue his rain-event rounds.

The discharge from the sump ceased shortly after the pump started (1 – 2 minutes), and samples from the sump flow were taken partially from the outflow from the weir, partly from the ponded water in the sump box as a result.

It is estimated that the sump overtopped for approximately 15 minutes, from the initial observation to when the water flow ceased. In the initial observation the flow had not yet reached Myra Creek, indicating it was observed very close to the start of the overflow. Based on the duration of the spill and the depth of the water over the rectangular weir it is estimated that the total flow to Myra Creek was between 3000 and 3500 L in total.

The flow rate for Myra Creek during the event was relatively high. It was measured at 49.017 m^3/s at 14:15 and at 53.215 m^3/s at 14:30. For the timeframe of the sump overtopping, approximately 60,231 m^3 flowed through the Myra Creek Channel at the measurement location at the Red Pipe Bridge (downstream of 25 Sump, Effluent and HW Sump). The outflow from the sump would have been approximately 0.006% of the total flow of Myra Creek at the measurement point.

Analytical Results

Results of the water chemistry analysis compared to the prescribed limits of Schedule 4 of the Metal and Diamond Mines Effluent Regulations (MDMER) are presented below in Table 2. Please see Schedule A for a PDF copy of the sample results.

The samples taken on October 25 from Myra Creek did not show toxicity at 100% concentration, however the 100% concentration was acutely toxic from the 25 Sump sample (taken from the sump after flow had ceased). Please see Schedule B for a PDF copy of the toxicity report.

Table 2: Sample Results relative to MDMER and BC Water Quality Guidelines

Parameter	Total concentration (mg/L)				
	MDMER Limit	Lab Results			BC Max WQG
		Discharge	MC - Mix Zone	MC-TP4 site	
Arsenic	0.6	0.04750	<0.00050	<0.00050	0.005
Copper	0.6	1.18000	*0.00170*	*0.00259*	*0.0002*
Lead	0.2	0.98700	0.00165	0.000587	0.00447
Nickel	1	0.02200	<0.00040	0.000343	0.025
Zinc	1	7.96	0.0705	0.0969	0.033
Suspended Solids	30	487	2.2	N/C	-
Un-iodized Ammonia	1	0.102	<0.050	N/C	8.24

The results indicate that the discharge was above MDMER definitions for a deleterious release to an aquatic environment for aquatic toxicity, copper, lead, zinc and suspended solids. Recorded concentrations within the Myra Creek mixing zone (10 meters from the discharge site) were elevated above the BC short-term water quality guideline for copper (dissolved) and zinc (total).

It is noted that the concentrations noted for zinc and copper are consistent with similar values during high flows, and higher concentrations were measured for both parameters in a composite sample collected at the MC-TP4 site 1 kilometer downstream. Accordingly, it is difficult to determine if the elevated levels of copper and zinc are a direct result of the discharge, or a combination with other sources in Myra Creek during the event.

Contributing Factors

The pumps and alarms in the 25 sump are triggered by floating switches. It appears the time between the high alarm and the overtopping was shorter than previously experienced.

- Debris had washed into the sump and may have impacted the float switch for the high level alarms the trigger turning on the emergency back-up pumps.
- Additional flows from the project office area have been routed a into the road ditching that leads to 25 sump, this may have lead to increased flow rates and shortened response times.

Mitigating Actions

The following measures have been taken, or are intended to be taken, to prevent any similar occurrence of an unauthorized deposit:

- Myra Falls Mine ordered additional emergency back-up pumps for all locations that the overflow discharge would flow to Myra Creek directly.

- Myra Falls Mine did a full service on the pumps, alarms and other components of the sump and water treatment systems to ensure all starter and alarm floats were properly staged and pumps are functioning as designed.

- Additional pumps were ordered for flows that are directed to 25 Sump during high flow events, and are staged in such a way to discharge to either to Superpond directly or to the mine's Tailings Disposal Facility (currently has upward of a 1:1000 return event probability storage), to reduce pressure on 25 sump during these events. One of these pumps is located at the mill yard where the flows from the project office area and the concentrate load-out area pools prior to entering the road ditches. This water is now directed to the tailings facility through the mill pumping systems.

If you require any additional information with respect to this matter, please do not hesitate to contact us at your convenience.

Sincerely,



Nicole Pesonen
Environmental Superintendent
Myra Falls Mine Ltd.

Myra Falls Mine
A Trafigura Group Company

Schedule A
Laboratory Results from CARO Analytical

Myra Falls Mine
A Trafigura Group Company

Schedule B
Laboratory Results from Nautilus Environmental.

Appendix K

Summary of WQG Exceedances for Myra Creek and Buttle Lake, 2021

Station	Exceedance	Lab pH	Lab pH	Al-t	Al-d	Al-d	Cd-d	Cd-d	Cd-t	Cd-t	Cu-d	Cu-d	Cu-t	Fe-t	Ag-t	Ag-t	Se-t	Se-t	Se-t	Zn-d	Zn-d	Zn-t	Zn-t	Pb-t	Pb-t	NO_2^-
		BC WQG (Lower)	BC WQG (Upper)	CCME WQG (long-term)	BC WQG (Chronic)	BC WQG (Acute)	BC WQG (Chronic)	BC WQG (Acute)	CCME WQG (long-term)	CCME WQG (short-term)	BC WQG (Chronic)	BC WQG (Acute)	CCME WQG (long-term)	CCME WQG (long-term)	BC WQG (Chronic)	BC WQG (Acute)	BC WQG (Chronic)	BC WQG (Acute)	CCME	CCME WQG (long-term)	CCME WQG (short-term)	BC WQG (Chronic)	BC WQG (Acute)	BC WQG (Chronic)	CCME WQG (long-term)	BC WQG (Chronic)
MC-M1	Factor	-	-	-	-	1.03	4.06	2.60	29.75	4.18	2.15	-	-	-	-	-	-	-	-	-	-	1.97	-	-	-	-
MC-M1	Frequency	-	-	-	-	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	-	-	-	-	-	-	-	-	-	-	12.5%	-	-	-	-
MC-TP4	Factor	1.11	1.11	1.62	-	1.21	6.71	4.30	8.74	1.61	14.47	4.21	2.22	-	1.24	-	-	1.34	1.34	19.10	7.96	16.95	3.93	-	1.27	1.05
MC-TP4	Frequency	7.1%	7.1%	11.9%	-	19.0%	97.6%	97.6%	100.0%	59.5%	100.0%	97.6%	88.1%	-	2.4%	-	-	4.8%	4.8%	100.0%	97.6%	100.0%	97.6%	-	11.9%	100.0%
MC-TP4-DC	Factor	-	-	2.49	1.40	1.53	5.37	3.44	7.10	1.46	12.02	3.43	1.71	1.49	1.90	-	1.72	3.09	3.09	14.66	5.98	12.90	2.93	1.60	1.81	-
MC-TP4-DC	Frequency	-	-	4.3%	0.3%	1.4%	100.0%	100.0%	100.0%	31.5%	100.0%	100.0%	64.1%	0.6%	0.3%	-	2.0%	2.6%	2.6%	100.0%	100.0%	100.0%	100.0%	0.3%	3.4%	-
MC-M2	Factor	1.01	1.01	2.15	1.02	1.49	4.10	2.78	5.36	1.27	17.03	4.86	2.35	-	3.18	1.59	-	1.57	1.57	12.82	5.23	11.67	2.79	-	-	-
MC-M2	Frequency	7.7%	7.7%	7.7%	7.7%	23.1%	100.0%	92.3%	100.0%	23.1%	100.0%	100.0%	92.3%	-	7.7%	7.7%	-	7.7%	7.7%	100.0%	100.0%	100.0%	92.3%	-	-	-
Thelwood Creek	Factor	-	-	-	-	-	-	-	-	-	2.625	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thelwood Creek	Frequency	-	-	-	-	-	-	-	-	-	50.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HENSHAW-0	Factor	-	-	1.04	-	-	-	-	1.36	-	5.48	1.66	1.14	-	-	-	-	-	-	2.02	-	1.93	1.11	-	1.05	-
HENSHAW-0	Frequency	-	-	14.3%	-	-	-	-	14.3%	-	100.0%	57.1%	14.3%	-	-	-	-	-	-	78.6%	-	85.7%	14.3%	-	14.3%	-
HENSHAW-10	Factor	-	-	-	-	-	-	-	-	-	4.41	1.47	-	-	-	-	-	-	-	2.16	-	1.58	-	-	-	-
HENSHAW-10	Frequency	-	-	-	-	-	-	-	-	-	100.0%	28.6%	-	-	-	-	-	-	-	100.0%	-	100.0%	-	-	-	-
HENSHAW-20	Factor	-	-	-	-	-	-	-	-	-	4.80	1.31	2.71	-	-	-	-	-	-	2.32	-	1.93	-	-	-	-
HENSHAW-20	Frequency	-	-	-	-	-	-	-	-	-	100.0%	57.1%	14.3%	-	-	-	-	-	-	100.0%	-	100.0%	-	-	-	-
HENSHAW-40	Factor	-	-	-	-	-	-	-	1.15	-	5.09	1.28	-	-	-	-	-	-	-	2.57	-	2.24	-	-	-	-
HENSHAW-40	Frequency	-	-	-	-	-	-	-	28.6%	-	100.0%	71.4%	-	-	-	-	-	-	-	100.0%	-	100.0%	-	-	-	-
HENSHAW-60	Factor	-	-	-	-	-	-	-	1.09	-	5.46	1.39	-	-	-	-	-	-	-	2.78	-	2.40	-	-	-	-
HENSHAW-60	Frequency	-	-	-	-	-	-	-	42.9%	-	100.0%	71.4%	-	-	-	-	-	-	-	100.0%	-	100.0%	-	-	-	-
KARST-0	Factor	-	-	-	-	-	-	-	-	-	3.20	-	-	-	-	-	-	-	-	1.17	-	-	-	-	-	-
KARST-0	Frequency	-	-	-	-	-	-	-	-	-	100.0%	-	-	-	-	-	-	-	-	100.0%	-	-	-	-	-	-
KARST-10	Factor	-	-	-	-	-	-	-	-	-	3.95	-	18.35	-	-	-	-	-	-	1.32	-	4.56	1.04	-	1.67	-
KARST-10	Frequency	-	-	-	-	-	-	-	-	-	100.0%	-	100.0%	-	-	-	-	-	-	100.0%	-	100.0%	100.0%	-	100.0%	-
KARST-100	Factor	-	-	-	-	-	-	-	-	-	3.30	-	-	-	-	-	-	-	-	1.32	-	1.15	-	-	-	-
KARST-100	Frequency	-	-	-	-	-	-	-	-	-	100.0%	-	-	-	-	-	-	-	-	100.0%	-	100.0%	-	-	-	-
KARST-20	Factor	-	-	-	-	-	-	-	-	-	2.80	-	-	-	-	-	-	-	-	1.11	-	-	-	-	-	-
KARST-20	Frequency	-	-	-	-	-	-	-	-	-	100.0%	-	-	-	-	-	-	-	-	50.0%	-	-	-	-	-	-
KARST-40	Factor	-	-	-	-	-	-	-	-	-	3.15	-	-	-	-	-	-	-	-	1.17	-	-	-	-	-	-
KARST-40	Frequency	-	-	-	-	-	-	-	-	-	100.0%	-	-	-	-	-	-	-	-	100.0%	-	-	-	-	-	-
KARST-60	Factor	-	-	-	-	-	-	-	-	-	3.00	-	-	-	-	-	-	-	-	1.20	-	-	-	-	-	-
KARST-60	Frequency	-	-	-	-	-	-	-	-	-	100.0%	-	-	-	-	-	-	-	-	50.0%	-	-	-	-	-	-
BL-GOLD	Factor	-	-	1.05	-	-	-	-	-	-	3.25	1.12	1.33	-	-	-	-	-	-	1.14	-	1.52	-	-	1.20	-
BL-GOLD	Frequency	-	-	7.7%	-	-	-	-	-	-	84.6%	15.4%	7.7%	-	-	-	-	-	-	15.4%	-	38.5%	-	-	7.7%	-