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Technical Report Overview

Report: Elk Valley Regional Seep Monitoring: 2022 Annual Report

Overview: This report summarizes the findings of the 2022 regional seep monitoring program. This monitoring program was designed to address an information gap identified during 2017 inspections of Elk Valley Teck Coal Limited (Teck) Operations by EMLI.

This report was prepared for Teck by SRK Consulting (Canada) Inc.

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FINAL

Elk Valley Regional Seep Monitoring: 2022 Annual Report

CAPR002058, Elk Valley, BC, Canada Teck Coal Limited

FINAL

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CAPR002058, Elk Valley, BC, Canada

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Definitions

This list contains definitions of symbols, units, abbreviations, and terminology that may be unfamiliar to the reader.

FWAL BCWQG British Columbia Water Quality Guideline for Freshwater Aquatic Life (approved and working)

CCR Coarse coal reject
DL Detection limit

DO Dissolved oxygen (milligrams per litre, mg/L)

DOC Dissolved organic carbon (milligrams per litre, mg/L)

EC Electrical conductivity (micro siemens per centimeter, μS/cm)

EMLI Ministry of Energy, Mines, and Low Carbon Innovation

EMPR BC Ministry of Energy and Petroleum Resources

High Flow March 15th to July 15th
MF Morrissey Formation

ORP Oxidation reduction potential (millivolts, mV)

PAG Potentially acid-generating

The Plan Regional Seep Monitoring Plan – Phase 3

QA/QC Quality assurance/quality control

RPD Relative percent difference

RSMP Regional Seep Monitoring Program

SI Saturation indices
Teck Teck Coal Limited

TDS Total dissolved solids (milligrams per litre, mg/L)
TOC Total organic carbon (milligrams per litre, mg/L)
TSS Total suspended solids (milligrams per litre, mg/L)

WR Waste rock

Executive Summary

This report presents the 2022 results of the Elk Valley Regional Seep Monitoring Program (RSMP). The objectives of the RSMP are to improve understanding of source loading and aid in water management planning. Seep monitoring occurs across Teck Coal Limited's (Teck) five Elk Valley operations: Fording River Operations (FRO), Greenhills Operations (GHO), Line Creek Operations (LCO), Elkview Operations (EVO), and Coal Mountain Mine (CMm) (previously called Coal Mountain Operations [CMO] and currently in care and maintenance). Teck's RSMP began in 2018. Seeps were visited at least twice during 2022; during high flows (between March 15, 2022 and July 15, 2022) and low flows (between September 1, 2022 and December 31, 2022). In 2022, Teck Coal personnel sampled 86 seeps during high flow and 76 during low flow (Table 4).

A conformity review of the 2022 RSMP to commitments in previous reports and letters was conducted. A QA/QC review found that the data quality of the 2022 dataset is acceptable for annual reporting. Samples collected in 2022 were screened against the BC Water Quality Guidelines (BCWQG) for Freshwater Aquatic Life (FWAL).

A geochemical review was conducted to develop interpretations based on the five years of accumulated data. Mann-Kendall trend analysis was conducted. PHREEQC was used to evaluate solubility controls by interpreting saturation indices and calcite controls. Seeps were compared to nearby permitted surface water monitoring location using sulfate as a conservative tracer and suboxic indicator ratios.

Saturation indices (SI) for calcite are essential to evaluate the potential for calcite to form. Ferrihydrite can help understand disequilibrium with oxygen and the potential for sequestration of metals. Gypsum can potentially control sulfate concentrations. Apart from CMm, seeps at FRO, GHO, LCO, and EVO do not show apparent spatial trends in calcite saturation indices. At CMm, seeps to the east of the site have been categorized as undersaturated and seeps to the west as oversaturated. About half of all the RSMP seeps had a calcite SI above 0.6 and may exhibit a predisposition to precipitate calcite. No seeps had a gypsum SI above zero and therefore are not likely to be precipitating gypsum, and most seeps are in equilibrium or precipitating ferrihydrite.

During the initial seep prioritization by SRK in 2019, seeps were categorized based on Zn/Cd and sulfate concentration to estimate source conditions related to the Morrissey Formation (MF). Parts of the MF are known to be potentially acid-generating (PAG), and seeps showing possible MF influences may indicate areas where future changes in water quality might be expected. Seeps were also categorized based on Se/SO₄ and sulfate concentration to evaluate the influence of low-oxygen conditions on seeps originating from waste materials.

- One seep at FRO, FR_FRVWSEEP3, has been classified as potentially possibly MF influenced. To date, FR_FRVWSEEP3 is pH neutral. One seep at FRO, FR_HENSSEEP1, has been classified as suboxic.
- At GHO, GH_E1 in the GH_CCR group has been categorized as possibly MF influenced. To date,
 GH_E1 is pH neutral. Several GHO seeps downstream of the GHO CCR storage facility have been

classified as potentially suboxic or suboxic, indicating possible suboxic zones within the GHO CCR storage facility.

- No LCO seeps have been categorized as suboxic or possibly MF influenced.
- At EVO, EV_SEEP_ERICKSON1 and EV_SEEP_PLANT23 continue to be categorized as possibly MF influenced. To date, both seeps are pH neutral. All seeps at EVO except EV_SEEP_PLANT10, have been categorized as oxic.
- At CMm, CM_PLANT-SEEP1 is categorized as possibly MF influenced and is pH neutral to date.
 Six seeps at CMm have been classified as potentially suboxic or suboxic.

Two seeps (FR_SHNSEEP1 and FR_FSEAMWSEEP4) have been formally retired from the RSMP after being covered over with waste rock. One new seep (CM_WD9-SOURCE) was identified at CMm.

1 Introduction

1.1 Background

Teck Coal Limited carried out monitoring under the Regional Seep Monitoring Program (RSMP) within the Elk Valley (Figure 1) during high flows (March 15 to July 15, 2022) and low flows (September 1 to December 31, 2022). The purpose of the RSMP is to comply with a directive from the Ministry of Energy, Mines, and Low Carbon Innovation (EMLI). In addition, the RSMP can improve Teck's understanding of source loading, provide early warning of site water quality changes, assess potential effects to surface and groundwater, and track trends in water quality and quantity over time. The purpose of this report is to demonstrate Teck's compliance with monitoring commitments of the RSMP for 2022.

This report summarizes results collected under the RSMP in 2022 and provides an initial geochemical interpretation of all the data collected under the RSMP thus far. Sampling was conducted by Teck personnel, and annual reporting provided herein was prepared using information and data supplied by Teck.

The report has been structured as follows:

Section 1	Introduction
Section 2	Conformity Review : The implementation of the RSMP in 2022 was assessed for conformity with recommendations and commitments made in the SRK 2018 seep assessment (SRK 2019), 2019 annual RSMP report (SRK 2020), 2020 annual RSMP report (SRK 2021), EMPR's (now the Ministry of Energy, Mines and Low Carbon Innovation [EMLI]) review letter, and Teck's response to EMLI.
Section 3	Review Methods: Summary of methods applied to review the water chemistry of seeps.
Section 4	Quality Assurance/Quality Control (QAQC): Summary of QAQC of all seep samples collected in 2022.
Section 5	Site-Specific Interpretation : The water chemistry review compared seep water quality results against the BC Approved and Working Water Quality Guidelines (BCWQGs) and water chemistry criteria described in SRK (2019). In addition, site-specific seepage geochemical interpretations are provided.
	The tables below summarize each seep's main characteristics during high flow and low flow seasons that have been identified thus far. Table 7 – Fording River Operations (FRO), Table 11 – Greenhills Operations (GHO), Table 15 – Line Creek Operations (LCO), Table 19 – Elkview Operations (EVO), Table 23 – Coal Mountain Mine (CMm)
Section 6	Regional Interpretation: The geochemical review builds on interpretations from previous years and summarizes key geochemical controls that affect water chemistry both at the seeps monitoring within the RSMP and at downstream permitted surface water locations. This section will summarize controls and trends that apply in a regional context to the Elk Valley.
Section 7	Seep Dataset Modifications: New seeps review and seep retirement review.
Section 8	Summary: Summary of the results of the 2021 review.

1.2 Regulatory Context

Teck operates four steelmaking coal mines in the Elk Valley: Fording River Operations (FRO), Greenhills Operations (GHO), Line Creek Operations (LCO), and Elkview Operations (EVO), and Coal Mountain mine (CMm) (formerly Coal Mountain Operations [CMO]), which is currently in the care and maintenance stage of closure. These are referred to collectively herein as the Elk Valley Operations. Teck monitored select seeps at mine site facilities at these operations; however, based on an inspection in 2017, the Ministry of Energy, Mines, and Low Carbon Innovation (EMLI) ordered Teck to develop a Regional Seep Monitoring Plan for the Elk Valley Operations. In response, Teck (2018) proposed to implement the Plan in three phases:

- Phase 1: Identification of seep locations, development of sampling procedures, and collection of samples.
- Phase 2: Technical evaluation of seep water quality and quantity data collected during Phase 1. The assessment completed in Phase 2 aided in determining the sampling locations and frequency for seeps in Phase 3 (SRK 2019). Future monitoring would also consider the following:
 - Comparison of monitoring data to the BCWQGs freshwater aquatic life median to understand the potential risk to aquatic health
 - The classification of seeps and the potentially associated discharge point to the receiving environment (via ground infiltration, surface water sediment pond, directly to receiving environment, etc.)
 - Mining related constituent concentrations relative to discharge water in the case where the seep flows into existing mine infrastructure
 - Unexpected changes in water quality in seeps, associated discharges, or the receiving environment
- Phase 3: A longer-term Regional Seep Monitoring Program was developed and implemented, including reducing redundant seep sampling and sampling of seeps collected by existing site infrastructure (Teck 2019b). Phase 3 described any changes to the water quality analyses for seep monitoring and the locations and frequencies for ongoing seep monitoring.

Previous RSMP annual reports were submitted with that year's Annual Reclamation Report (ARR) for each operation. The 2022 Elk Valley Regional Seep Monitoring Program Report will be submitted with the 2022 ARR in March 2023. In addition, data from the Elk Valley Regional Seep Monitoring Reports may be discussed in other studies, such as the Regional Groundwater Monitoring Program (RGMP), the Site-Specific Groundwater Monitoring Program (SSGMPs), and the Mine Water Management Plans (MWMP) at each operation or in other monitoring program reporting, as appropriate.

2 Conformity Review

Table 1 summarizes commitments from previous reports or letters and reviews and whether the 2022 RSMP met these commitments. The Elk Valley Regional Seep Monitoring 2019 and 2021 Annual reports did not include any new recommendations in addition to those previously stated.

Table 1: Commitment Review

Category	Commitment	Source	Implementation Review	Additional Recommendations
Sampling Procedure	Samples will be collected (or attempted to be collected) for all seeps identified in the Plan two times per year, once during high flows (between March 15 and July 15)	Regional Seep Monitoring Plan – Phase 3	Commitment met.	
	and once during low flows (Between September 1 and December 31).	SRK (2019)		-
	A standardized field form will collect field information to ensure appropriate and consistent information is collected across all operations.	Regional Seep Monitoring Plan – Phase 3	Commitment met.	-
		SRK (2019)		
	Blanks and duplicates will each account for 10% of the sampling.	Regional Seep Monitoring Plan – Phase 3	Commitment met.	Prepare QAQC samples before beginning sampling
		SRK (2019)		
	Field parameters will be measured at the time of seep sampling.	Regional Seep Monitoring Plan – Phase 3	Commitment met.	-
		SRK (2019)		
	Field filtering and preservation of samples will occur at the collection point to determine element concentrations for dissolved metals analysis.	Regional Seep Monitoring Plan – Phase 3	Commitment met.	-
	for dissolved metals analysis.	SRK (2019)		
	Seep samples collected will be analyzed for water quality parameters outlined in Section 3.8 of the Plan.	Regional Seep Monitoring Plan – Phase 3	Commitment met.	-
	When possible and safe to do so, flow measurements will be taken at each location at the time of sample, following the Teck Coal Flow Monitoring Protocol.	Regional Seep Monitoring Plan – Phase 3	Commitment met.	-
	The direction of flow of the seeps will be noted in the field sheets to help map and track possible changes to seep water quality.	Regional Seep Monitoring Plan – Phase 3	Commitment met.	
	ooop nato quanty.	SRK (2019)		-
		EMLI Review (April 2019)		
	Observations of calcite precipitate presence will be noted in the field sheets if observed at seep locations.	Regional Seep Monitoring Plan – Phase 3	Calcite precipitate presence notes were not completed at GHO during	Use a standardized field form when collecting
		EMLI Review (April 2019)	low flow sampling. Other sites met commitment.	samples.

Category	Commitment	Source	Implementation Review	Additional Recommendations
New Seep Identification	General site surveys will be conducted annually to identify any new seeps.	Regional Seep Monitoring Plan – Phase 3	Commitment met.	-
		EMLI Review (April 2019)		
	Newly identified seeps will be sampled (or attempted to be sampled) two times in the first year, once during high flow (March 15 to July 15) and once during low flow (September 1 to December 31).	Regional Seep Monitoring Plan – Phase 3	Commitment met.	-
Seep Retirement	When seeps are found to be dry or covered by mined- out material, the seep retirement framework will be used to determine if a seep can be retired from the RSMP.	SRK (2021)	Commitment met.	-
QAQC	Data will be reviewed in a timely manner upon receipt from the laboratory to rectify any discrepancies to initiate resampling if required. Teck's data quality objectives (DQOs) are implemented.	Regional Seep Monitoring Plan – Phase 3	Commitment met.	-

3 Review Methods

The purpose of review in this report is to conduct an initial screening of seep water quality and relative flow contributions of seeps. Natural variability can exaggerate the scale of minor changes within a small dataset of two samples each year over five years. All annual RSMP reports have reported on the constituents of interest identified in the *Environmental Management Act* (EMA) Permit 107517 (dissolved selenium¹, dissolved cadmium, sulfate, and nitrate-N, called Order Constituents [OC]). In addition, the 2019 annual report reported on field pH, dissolved cobalt, and dissolved nickel.

In 2020, the annual report reported on the OCs and on nitrite as nitrogen (nitrite-N), total dissolved solids (TDS), dissolved antimony, dissolved molybdenum, and dissolved uranium. Consistent with the findings of the Background Assessment conducted as part of the 2020 Regional Groundwater Monitoring Program Update (RGMP BGA; SNC-Lavalin 2020), this report will assess seepage water quality for ten constituents, the four OCs and the following non-Order Constituents (non-OCs): dissolved antimony, dissolved cobalt, dissolved nickel, nitrite-N, TDS, and dissolved uranium. The six non-OCs assessed have been identified as mine-related constituents by SNC-Lavalin (SNC-Lavalin 2020). The list of mine-related constituents in groundwater will be reassessed, as needed, every three years as part of the RGMP update. Field pH has also been evaluated yearly because of its relationship with many water quality constituents.

3.1 Seep Quality Screening Criteria

Seep water quality results were screened against the British Columbia Water Quality Guidelines (BCWQG) for Freshwater Aquatic Life (FWAL; ENV 2019, 2022). The purpose of screening seep water quality results against the BC FWAL guidelines is to identify seeps with changing water quality that may influence water chemistry in the downstream receiving environment. Seepages with changing BCWQG categorization may indicate where further monitoring or water management should potentially be considered.

Seeps were highlighted if the BCWQG screening categorization for field pH, sulfate, nitrate-N, dissolved cadmium, total selenium, total cobalt, total nickel, nitrite-N, or total uranium changed. The BCWQG screening guidelines are presented in Table 2.

¹ Selenium is an Order Constituent where screening is performed on the total fraction. However, it is more appropriate to use dissolved selenium for geochemical interpretation of seeps.

 Table 2:
 BC Water Quality Guidelines for Freshwater Aquatic Life

Parameter	Rationale	Unit	BCWQG FWAL		Notes
Field pH	RSMP specific parameter	pH units	Minimum Maximum	6.5 9	-
Sulfate	Order Constituent	mg/L	Chronic	128 to 429	Hardness dependent ¹
Nitrate-N	Order Constituent	mg-N/L	Chronic Acute	3 32.8	-
Dissolved Cadmium	Order Constituent	mg/L	Chronic Acute	0.004 to 2.5 0.003 to 18.5	Hardness dependent ²
Total Selenium	Order Constituent	μg/L	Chronic	2	-
Antimony	GW mine-related CI ³	mg/L	-	-	-
Total Cobalt	GW mine-related CI	μg/L	Chronic Acute	4 110	-
Total Nickel	GW mine-related CI	μg/L	Chronic	25 to 150	Working Guideline Hardness dependent
Nitrite-N	GW mine-related CI	mg-N/L	Chronic Acute	0.02 to 0.2 0.06 to 0.6	Chloride dependent
Total Dissolved Solids	GW mine-related CI	mg/L	-	-	-
Total Uranium	GW mine-related CI	mg/L	Chronic	0.0085	Working Guideline

¹ If water hardness exceeds 250 mg/L, a site-specific assessment may be required.

3.2 Statistical Trend Analysis

Concentration trends for OCs were evaluated based on available analytical data using Mann-Kendall analysis. Statistical tests help identify quantifiable concentration patterns over time; however, a statistical test should be used along with other lines of evidence to confirm patterns over time. The Mann-Kendall test has a high probability of not finding a trend when one would be present if more points were provided. This approach was conducted with a limited dataset and potential trends will continue to be assessed in the future as more data becomes available. Seeps showing notable trending in OCs and/or field pH have been highlighted within their respective site-specific sections below. Summary tables of the Mann-Kendall analysis results for all the RSMP seeps are available in Appendix D.

The Mann-Kendall statistical test is a non-parametric trend analysis test that identifies changes in environmental conditions (Gilbert, 1987). The analysis tests the null hypothesis of no trend against the alternative hypothesis of a significant trend. The same methods applied in the RGMP and SSGMP programs were applied to the RSMP seeps for consistency:

Sampling locations with less than seven sampling events were not selected for assessment.

Short-term acute WQG applies to water hardness below 455 mg/L, the long-term chronic WQG applies to water hardness below 285 mg/L. When water hardness exceeds the upper bound, a site-specific assessment may be required.

³ GW mine-related CI = Groundwater mine-related constituent of interest

- Where field duplicates were collected, the higher value was selected for analysis.
- Concentrations below the method detection limit (MDL) were assigned the MDL concentration.
- Where the sample size of a dataset exceeded 40 samples, the trend analysis was completed for the 40 most recent samples, based on probability available in the Kendall table.
- Trend analysis was not completed for parameters where concentrations were consistently less than or within five times the MDL.
- The analytical results were reviewed before completing trend analysis, and any obvious outliers were removed from the dataset based on the below equation and the judgement of the qualified professional.

Outliers were defined as values below [$lower\ quartile - (IQR * 3)$] or above [$upper\ quartile + (IQR * 3)$]. Where IQR is the interquartile range.

The analysis for each parameter is determined by calculating the Mann-Kendall Statistic (S), the percent confidence of a significant trend, and the coefficient of variance (COV). The percent confidence of a significant trend is calculated using a Kendall probability table, which requires the S value of the test and the number of samples (n). The Kendall table identifies the probability of rejecting a null hypothesis (no trend) of a given level of significance. The confidence level is subsequently calculated by subtracting the probability from 1 (Newell et al., 2007). A COV value is the standard deviation divided by the average and presented as a percent. A COV below 100% can be used to infer stability in concentrations. In contrast, a value above 100% indicates a non-stable trend and a greater degree of scatter. The process of determining a significant trend and stability is in Table 3 (Aziz et al., 2003).

"No trend" and "stable" indicate that neither an increasing nor a decreasing trend could be discerned within the specified confidence limit. A "stable" result also signifies that the data had minimal scatter (less than 100% COV), further emphasizing that concentrations are relatively unchanging over time.

Table 3: Mann-Kendall Analysis Decision Matrix

Mann-Kendall Statistic (S)	Trend Confidence	Concentration Trend
S>0	> 95%	Increasing
S>0	90 – 95%	Probably Increasing
S>0	< 90%	No Trend
S≤0	< 90% and COV¹ ≥ 100%	No Trend
S≤0	< 90% and COV < 100%	Stable
S<0	90 – 95%	Probably Decreasing
S<0	> 95%	Decreasing

Source: SNC-Lavalin (2022)

¹ COV - coefficient of variance

3.3 Water Chemistry Criteria

During seep prioritization in 2019, seeps were categorized based on Zn/Cd and sulfate concentration to estimate source conditions related to the Morrissey Formation (MF). Parts of the MF are potentially acid generating (PAG), and seeps showing possible MF influences may indicate areas where future changes in water quality might be expected. Based on experience with acid rock drainage in the Elk Valley, seeps with a Zn/Cd above 200 mg/mg and a sulfate concentration greater than 100 mg/L are considered possibly influenced by the MF.

Seeps were also classified as suboxic or oxic during the 2019 seep prioritization based on the sulfate concentration and Se/SO₄ ratios. Se/SO₄ was used to evaluate the influence of low-oxygen conditions on seeps originating from waste materials (Hay et al., 2016). Based on experience primarily with evaluating waters in saturated backfills, Se/SO₄ of about 1x10⁻⁴ mol/mol represents dominantly oxidizing conditions. It is consistent with the typical characteristics of unsaturated oxidizing waste rock. In comparison, ratios below 1x10⁻⁵ mol/mol are considered to show selenium attenuation under oxygen-deficient conditions, including backfills, reject spoils, suboxic zones in waste rock or along groundwater flow pathways.

Seeps with a sulfate concentration greater than 500 mg/L and a Se/SO₄ less than 1x10⁻⁵ mol/mol are considered to be suboxic. Seeps where the oxidation or MF influence classification has changed between 2019 and 2020 were highlighted in the results section for each operation (Section 5).

3.4 PHREEQC Modelling Methods

Saturation indices (SI) for gypsum (CaSO₄·2H₂O), calcite (CaCO₃), and ferrihydrite (Fe(OH)₃) were modelled using PHREEQC with the minteq.v4 database. Gypsum is considered due to its potential to control sulfate concentrations. Calcite is considered due to the potential for calcite concretions to form. Ferrihydrite can help understand disequilibrium with oxygen and the potential for the sequestration of metals. Modelling inputs included field pH, oxidation-reduction potential (ORP) (corrected to Eh), and temperature. Seeps that did not include a field ORP measurement were not modelled. All remaining seeps had field pH and field temperature measurements. Concentrations below the detection limit were modelled using the detection limit concentration.

An SI value of zero conventionally indicates the mineral is at equilibrium (neither forming nor dissolving); however, this might change due to dilution, dissolution of other minerals, and changes in the gas phases. An evaluation of calcite precipitates and water chemistry in the Elk Valley shows that calcite has a practical SI reference value of 0.6 (i.e., an SI of at least 0.6 is needed before calcite precipitates) (SRK 2011). This is inferred to be due to the slow kinetics of calcite nucleation resulting from dissolved magnesium in the waters. Samples with a modelled calcite SI of 0.6 were considered at equilibrium. Any seeps below or above the reference value were considered undersaturated or oversaturated, respectively. If oversaturated, the seep has the potential to precipitate calcite given the right environmental conditions.

No gypsum or ferrihydrite SI reference values have been established for the Elk Valley. An SI value of zero generally represents equilibrium for gypsum and ferrihydrite. It was assumed that seeps with

gypsum or ferrihydrite SIs below -0.5 indicated undersaturation, values between -0.5 and 0.5 indicated near equilibrium, and values above 0.5 indicated oversaturation.

3.5 Relative Flow and Loading Comparisons

Seep flow and loading estimates were compared to a permitted surface water monitoring location. Comparison permitted surface water monitoring locations were selected based on proximity and suspected connectivity to each seep. Based on professional judgement, seep estimated flow or load greater than 15% compared to the permitted surface water monitoring flow or load have been considered as significant and have been highlighted in the site-specific sections below.

Seep flow estimates were taken during the field surveys following the Teck Coal Flow Monitoring Protocol. However, due to the often-diffuse nature of seeps, flow measurements are inherently imprecise. In many cases, it is not possible to capture flow from the whole seep in one measurement. In addition, because seep flows are only measured during seepage surveys, it is difficult to determine if the measured flow is representative of "low" or "high" flow conditions in the annual hydrological cycle at each location. Therefore, loadings calculated here should be regarded as semi-quantitative. Seasonal flow and loading averages at the seep monitoring locations were estimated using flow and analytical data collected between 2018 and 2022. The 2022 analytical results at the seep monitoring locations are in Appendix B.

Permitted surface water monitoring locations were selected based on proximity and relationship to seeps. When possible, the nearest downstream permitted surface water monitoring location was used as a comparison point. Seasonal flow and loading averages at the permitted surface water monitoring locations were estimated using flow and analytical data collected between 2018 and 2022. The 2022 analytical results at the permitted surface water monitoring locations are in Appendix C.

4 Quality Assurance/Quality Control

QA/QC is essential for establishing data reliability. Teck provided field and lab quality control data to SRK, which were reviewed regarding the QA/QC program in the Plan and using SRK's internal chemical analysis quality control systems. Separate memos summarizing SRK's QAQC findings can be found in Appendix B, and Appendix F for the high flow and low flow seep surveys, respectively.

During the high flow seep survey, there were ten paired field duplicates and eight field blank samples, representing 21% of all samples collected compared to a target of 10%.

During the low flow seep survey, eight paired field duplicates and six field blanks, represented 19% of all samples collected compared to a target of 10%.

SRK's opinion is that data quality is acceptable for 2022 annual reporting.

5 Site-Specific Interpretation

The analysis and review detailed below were conducted on the seeps recommended by SRK for carryover from 2018 through 2021. Table 4 summarizes the number of seeps identified and sampled during 2022. Some RSMP seeps were dry or covered by mined-out material (spoiled over) and could not be sampled in 2022.

The number of seeps recommended by SRK (2022) in Table 4 includes:

- The number of seeps initially identified for inclusion in the RSMP
- The addition of any newly identified seeps assessed for inclusion since 2018
- The removal of any seeps that have been formally retired following the seep retirement framework in SRK (2022)

The number of seeps identified and sampled during high flows in Table 4 refers to all seeps revisited and sampled between March 15 and July 15, 2022, following Teck's formal definition of the high flows monitoring period (Appendix 3 of Permit 107517). The number of seeps identified and sampled during low flows in Table 4 refers to all the seeps revisited and sampled between September 1, 2022, and December 31, 2022.

The results of the review are discussed below by operation.

Table 4: Summary of Seep Samples Collected by Operation

	Number of seeps recommended for	Seeps Revis	sited in 2022	Seeps Sampled in 2022		
Operation	continued sampling in RSMP (SRK 2022)	High Flow ¹	Low Flow ²	High Flow ¹	Low Flow ²	
FRO	24	22	22 ³	22	19 ⁴	
GHO	20	19 ⁵	19	15	12	
LCO	12	12	12	12	11	
EVO	20	20	20	19	17	
CMm	16	16	16	18	17	
All	92	89	89	86	76	

¹ High flow includes samples collected between March 15, 2022, and July 15, 2022.

The group name associated with each seep ID in the seep tables for each operation is a product of the seep grouping conducted by SRK (2019). Seeps were assigned a sub-area/material type on an operation-by-operation basis to help identify each seep based on the general area and upstream material type related to each seep. The groupings were used for graphing purposes to evaluate the geochemical influence of different material types. In addition, each group of seeps was assigned a

² Low flow includes samples collected between September 1, 2022, and December 31, 2022.

Two seeps at FRO (FR_FSEAMWSEEP4 and FR_SHNSEEP1) were unsafe to access during sampling.

⁴ Three seeps were dry at FRO during low flow sampling.

⁵ One seep at GHO, RG_ERSP3, was unsafe to access during both sampling events.

downstream comparison point, either a surface water monitoring location or an authorized discharge location. Grouping seeps to a nearby comparison point was used to make concentration comparisons, evaluate the overall significance of a given seep to a group, and evaluate seepage water for possible attenuation.

Seeps in groupings ending with the WR suffix have been assigned to a sub-area that is assumed to be downstream of a waste rock dump. Seeps in groupings ending with the CCR suffix have been assigned to a sub-area that is assumed to be downstream of a coarse coal reject (CCR) pile. Seeps in groupings ending with the PIT suffix have been assigned to a sub-area that is assumed to be downstream of a pit. Seeps in groupings ending with the TAILINGS suffix have been assigned to a sub-area downstream of a tailings storage facility. Seeps in groupings ending with the PLANT suffix have been assigned to a sub-area downstream of a plant facility.

5.1 Fording River Operation

5.1.1 Overview

Seep monitoring locations at the FRO mine site facilities are presented in Figure 2. Seeps are color-coded by the comparison permitted surface water sampling location. Table 5 summarizes the seeps visited during the 2022 RSMP.

FR_SHNSEEP1 and FR_FSEAMWSEEP4 have been formally retired from the RSMP, effective December 31, 2022, after undergoing a seep retirement assessment (Section 7.2).

Mann-Kendall trend analyses were completed for OCs and field pH for seep samples with seven or more sampling events and are summarized in Table 6. A summary of Mann-Kendall trend analysis for all COIs is available in Appendix D.

The oxidation and MF influence categorization of seeps and modelled calcite and ferrihydrite saturation at FRO are summarised in Table 7.

Table 5: 2022 FRO Seeps

Seep ID	Group Name	Comparison Permitted Surface Water Sampling Location	Permitted Surface Water Sampling Location Type	Notes	Seep Status
FR_HENSEEP3	FR_HEN_WR	FR_FR1	SW	-	ACTIVE
FR_HENSSEEP1	FR_HEN_WR	FR_FR1	SW	Dry Sept 2022	ACTIVE
FR_TURNSEEP1	FR_TURNBULLWREAST_WR	FR_FR1	SW	-	ACTIVE
FR_TBWSEEP1	FR_TURNBULLWRWEST_WR	FR_PP1	DL	-	ACTIVE
FR_TURNSEEP2	FR_TURNBULLWRWEST_WR	FR_PP1	DL	-	ACTIVE
FR_FCSEEP2	FR_TURNBULLWREAST_WR	FR_CC1	DL	-	ACTIVE
FR_CCSEEPE1	FR_CLODECR_WR	FR_CC1	DL	-	ACTIVE
FR_CCSEEPSE1	FR_CLODECR_WR	FR_CC1	DL	-	ACTIVE
FR_LMCWSEEP5	FR_LAKEMTN_WR_PITS	FR_LMP1	DL	-	ACTIVE
FR_EAGLENORTH	FR_EAGLE_WR	FR_EC1	DL	-	ACTIVE
FR_ASPSEEP1	FR_A_CCR	FR_LP1	DL	-	ACTIVE
FR_DOKASEEP1	FR_DOKA_WR	FR_NL1	DL	-	ACTIVE
FR_FSEAMSEEP7	FR_DOKA_UNKNOWN	FR_NL1	DL	Dry Sept 2022	ACTIVE
FR_SPRWSEEP1	FR_BLAIN_CCR	FR_NL1	DL	-	ACTIVE
FR_BLAKESEEP1	FR_BLAIN_CCR	FR_FR2	SW	-	ACTIVE
FR_FRVWSEEP3	FR_SMITH_WR	FR_SP1	DL	-	ACTIVE
FR_STPNSEEP	FR_SOUTHTAILS_TAILINGS	FR_FR2	SW	Dry Sept 2022	ACTIVE
FR_BLAINESEEP1	FR_BLAIN_CCR	FR_FR2	SW	-	ACTIVE
FR_STPWSEEP	FR_SOUTHTAILS_TAILINGS	FR_FR2	SW	-	ACTIVE
FR_STPSWSEEP	FR_SOUTHTAILS_TAILINGS	FR_FR2	SW	-	ACTIVE
FR_BLAINESEEP5	FR_BLAIN_CCR	FR_FR2	SW	-	ACTIVE
FR_SCRDSEEP1	FR_SWIFTWR_ROCKDRAIN_WR	FR_SCOUT	DL	-	ACTIVE

Notes: Permitted surface water sampling location types are surface water (SW) or discharge location (DL).

Table 6: FRO – Summary of Mann-Kendall Trend Analysis for OC

Parameter Site ID	Dissolved Cadmium	Nitrate-N	Dissolved Selenium	Sulfate	Field pH
FR_HENSEEP3	Stable	Stable	Decreasing	No Trend	No Trend
FR_HENSSEEP1	-	Increasing	No Trend	Prob. Increasing	-
FR_TURNSEEP1	Decreasing	Stable	No Trend	No Trend	-
FR_TBWSEEP1	Decreasing	Stable	Prob. Increasing	Increasing	No Trend
FR_TURNSEEP2	No Trend	Stable	Increasing	Increasing	Prob. Decreasing
FR_FCSEEP2	No Trend	Stable	Stable	Stable	Stable
FR_CCSEEPE1	No Trend	Increasing	Increasing	Increasing	Prob. Increasing
FR_CCSEEPSE1	Stable	Stable	Decreasing	Prob. Decreasing	Decreasing
FR_LMCWSEEP5	Prob. Increasing	No Trend	No Trend	No Trend	Decreasing
FR_EAGLENORTH	No Trend	No Trend	Decreasing	Stable	Prob. Decreasing
FR_ASPSEEP1	No Trend	Prob. Decreasing	Decreasing	No Trend	No Trend
FR_DOKASEEP1	-	-	-	-	-
FR_FSEAMSEEP7	Stable	Decreasing	Decreasing	Stable	-
FR_SPRWSEEP1	Stable	No Trend	No Trend	Decreasing	No Trend
FR_BLAKESEEP1	-	No Trend	No Trend	No Trend	No Trend
FR_FRVWSEEP3	Prob. Increasing	No Trend	Increasing	Stable	Stable
FR_STPNSEEP	Decreasing	Stable	No Trend	Stable	No Trend
FR_BLAINESEEP1	Prob. Increasing	Prob. Decreasing	Stable	Stable	No Trend
FR_STPWSEEP	Decreasing	No Trend	No Trend	Decreasing	No Trend
FR_STPSWSEEP	Decreasing	No Trend	No Trend	Decreasing	Stable
FR_BLAINESEEP5	Stable	Stable	No Trend	Prob. Decreasing	No Trend
FR_SCRDSEEP1	Increasing	Increasing	Prob. Increasing	Increasing	No Trend

Notes: "-" denotes trend analysis was not completed because of insufficient data or because concentrations of parameter have been consistently less than, or marginally greater than the detection limit. Where increasing trends are noted (except for field pH), the cell is shaded in orange. Decreasing trends in field pH at shaded orange.

Table 7: Summary of Trends and Controls on Water Quality for Seeps at FRO

Seep ID	Group Name	Flow Period	Oxidation Category	MF Influence	Calcite Status (CaCO₃ aq)	Calcite (CaCO₃ aq) SI	Calcite Precipitate Presence (2022) ¹	Ferrihydrite Status	OC and field pH Mann- Kendall Trend ²	Seasonality ³	Parameters Above FWAL BCWQGs ³	
FR HENSEEP3	FR_HEN_WR	High Flow	Oxic	Not MF Influenced	Potentially Undersaturated	0.54	-	Not determined	Stable or decreasing	-	- SO ₄ , NO ₃ -N, Se-T	
FK_HENGLEFS	FR_HEN_WK	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.38	No	Potentially Oversaturated	Stable of decreasing	Higher SO ₄		
FR_HENSSEEP1	FR_HEN_WR	High Flow	Potentially Suboxic	Not MF Influenced	Oversaturated	0.97	-	Oversaturated	Increasing NO₃-N	_	SO ₄ , NO ₃ -N, Se-T,	
TK_HENOOLLI T	TIV_TILIN_VVIV	Low Flow	Suboxic	Not MF Influenced	No Samples	-	No	No Samples	Prob. Increasing SO ₄		U-T	
FR_TURNSEEP1	FR_TURNBULLWREAST_WR	High Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.73	-	Potentially Oversaturated	Stable or decreasing		SO ₄ , NO ₃ -N, Se-T,	
FK_TOKNOLLFT	FR_TORNBOLLWREAST_WR	Low Flow	Oxic	Not MF Influenced	Oversaturated	0.67	No	Oversaturated	Stable of decreasing	-	U-T	
FR_TBWSEEP1	FR_TURNBULLWRWEST_WR	High Flow	Oxic	Not MF Influenced	Undersaturated	-0.13	-	Oversaturated	Increasing SO ₄			
FK_IBWSEEFI	FK_TURNBULLWRWEST_WR	Low Flow	Oxic	Not MF Influenced	No Samples	-	No	No Samples	Prob. Increasing Se-D	-	-	
FR_TURNSEEP2	FR_TURNBULLWRWEST_WR	High Flow	Oxic	Not MF Influenced	Undersaturated	-0.052	-	Oversaturated	Increasing SO ₄ and Se-D		NO₃-N, Se-T	
FK_TURNSEEP2	FR_TURNBULLWRWEST_WR	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.074	No	Not determined	Prob. Decreasing field pH.	-	NO3-N, Se-1	
FD		High Flow	Oxic	Not MF Influenced	Undersaturated	-0.091	No	Oversaturated	 Stable or decreasing 	-		
FR_FCSEEP2 FR_TURNBULLWREAST_WR	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.12	-	Oversaturated	Stable of decreasing	Higher NO ₃ -N, SO ₄ , Se-D, U-D	-		
ED 000EEDE4		High Flow	Oxic	Not MF Influenced	Potentially Oversaturated	1.2	No	Oversaturated	 Increasing NO₃-N, Se-D, SO₄ 	-		
FR_CCSEEPE1	FR_CLODECR_WR	Low Flow	Oxic	Not MF Influenced	Oversaturated	1.2	No	Oversaturated		Higher SO ₄ , Cd-D, Ni- D, U-D		
ED 000EED0E4	ED CLODEOD WD	High Flow	Oxic	Not MF Influenced	Undersaturated	0.47	No	Oversaturated	Decrees in a field all		O- T	
FR_CCSEEPSE1	FR_CLODECR_WR	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.56	No	Oversaturated	Decreasing field pH	<u>-</u>	Se-T	
FR_LMCWSEEP5	FR_LAKEMTN_WR_PITS	High Flow	Oxic	Not MF Influenced	Undersaturated	0.093	No	Oversaturated	Prob. Increasing Cd-D	-	_ SO ₄ , NO ₃ -N, Se-T, U-T	
FR_LINCWSEEPS	FR_LAKEMIN_WK_PIIS	Low Flow	Oxic	Not MF Influenced	Not determined	0.45	No	Not determined	Decreasing field pH	Higher NO ₃ -N, NO ₂ -N, SO ₄ , Se-D, U-D		
FR_EAGLENORTH	FR_EAGLE_WR	High Flow	Oxic	Not MF Influenced	Not determined	0.7	No	Oversaturated	Prob. decreasing field pH	-		
TR_EAGLENORTH	T N_LAGLL_WIX	Low Flow	Oxic	Not MF Influenced	Not determined	0.72	No	Oversaturated	1 10b. decreasing held pri	Higher Ni-D	-	
ED ACROSEDA		High Flow	Oxic	Not MF Influenced	Potentially Undersaturated	0.38	No	Potentially Oversaturated	Stable or degracing	-		
FR_ASPSEEP1 FR_A_CCR	FN_A_OOR	Low Flow	Oxic	Not MF Influenced	Not determined	0.59	No	Potentially Oversaturated	Stable or decreasing	Higher NO ₃ -N, SO ₄ , Se-D, U-D	- <u>-</u>	
FR_DOKASEEP1	FR_DOKA_WR	High Flow	Oxic	Not MF Influenced	Oversaturated	0.81	No	Oversaturated				
I N_DONASEEF I	FN_DONA_WK	Low Flow	Oxic	Not MF Influenced	Not determined	1.1	No	Not determined	- 	-	<u>-</u>	
FR_FSEAMSEEP7	FR_DOKA_UNKNOWN	High Flow	Oxic	Not MF Influenced	Oversaturated	0.86	No	Oversaturated	Stable or decreasing	Higher Cd-D	<u>-</u>	
TIN_I SEAIVISEEFI FR_DONA_UINNINOV		Low Flow	Oxic	Not MF Influenced	Not determined	0.82	No	Oversaturated	Stable of decreasing	-		

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Seep ID	Group Name	Flow Period	Oxidation Category	MF Influence	Calcite Status (CaCO₃ aq)	Calcite (CaCO₃ aq) SI	Calcite Precipitate Presence (2022) ¹	Ferrihydrite Status	OC and field pH Mann- Kendall Trend ²	Seasonality ³	Parameters Above FWAL BCWQGs ³
ED 000/W05504	ED DIAIN COD	High Flow	Oxic	Not MF Influenced	Not determined	0.28	No	Oversaturated	0:11	-	SO ₄ , NO ₃ -N, NO ₂ -N, Se-T, U-T
FR_SPRWSEEP1	FR_BLAIN_CCR	Low Flow	Oxic	Not MF Influenced	Not determined	0.73	No	Oversaturated	 Stable or decreasing 		
ED DI AKEGEEDA	ED DIAIN COD	High Flow	Oxic	Not MF Influenced	Oversaturated	1	No	Oversaturated	Otable and annualing		0. T
FR_BLAKESEEP1	FR_BLAIN_CCR	Low Flow	Oxic	Not MF Influenced	Oversaturated	0.94	-	Not determined	 Stable or decreasing 	-	Se-T
		High Flow	Oxic	Potentially Possibly MF Influenced	Oversaturated	0.81	No	Oversaturated	Increasing Se-D	-	— Se-T
FR_FRVWSEEP3	FR_SMITH_WR	Low Flow	Oxic	Potentially Possibly MF Influenced	Oversaturated	0.92	-	Potentially Oversaturated	Prob. Increasing Cd-D	Higher SO ₄	
ED CEDNICEED	ED COUTUTAILS TAILINGS	High Flow	Oxic	Not MF Influenced	Undersaturated	0.012	No	Oversaturated	Otable on decreasing	-	
FR_STPNSEEP	FR_SOUTHTAILS_TAILINGS	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.3	No	Oversaturated	 Stable or decreasing 		-
		High Flow	Oxic	Not MF Influenced	Oversaturated	0.92	-	Oversaturated		-	
FR_BLAINESEEP1	FR_BLAIN_CCR	Low Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.98	No	Oversaturated	Prob. Increasing Cd-D		-
		High Flow	Oxic	Not MF Influenced	Not determined	0.55	No	Oversaturated		-	
FR_STPWSEEP	FR_SOUTHTAILS_TAILINGS	Low Flow	Oxic	Not MF Influenced	Not determined	0.5	No	Potentially Oversaturated	Stable or decreasing		SO ₄ , Se-T, U-T
FR STPSWSEEP	FR SOUTHTAILS TAILINGS	High Flow	Oxic	Not MF Influenced	Undersaturated	0.41	No	Potentially Oversaturated	Stable or decreasing	_	SO ₄
TIX_OTT OWOLLT	111_000111171120_17112111400	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.37	No	Oversaturated	_ Glable of decreasing		30 4
ED DI AINECEEDS	ED DIAIN COD	High Flow	Oxic	Not MF Influenced	Oversaturated	0.83	No	Oversaturated	Otable on decreasing		CO C-T !! T
FR_BLAINESEEP5	FR_BLAIN_CCR	Low Flow	Oxic	Not MF Influenced	Oversaturated	0.87	Dry	Oversaturated	 Stable or decreasing 	-	SO ₄ , Se-T, U-T
FR SCRDSEEP1	ED CIMIETIMO DOCUDAMI IMO	High Flow	Oxic	Not MF Influenced	Potentially Undersaturated	0.69	No	Potentially Oversaturated	Increasing Cd-D, NO ₃ -N, SO ₄		SO. So T
	FR_SWIFTWR_ROCKDRAIN_WR	Low Flow	Oxic	Potentially Not MF Influenced	Oversaturated	1.1	No	Oversaturated	Prob. Increasing Se-D	- -	SO₄, Se-T

Notes: Categorizations labelled as "Not Determined" indicate a seep where an equal number of instances occurred for each category, so classification could not be determined.

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[&]quot;-" calcite precipitate presence (2022) denotes that the seep was visited, but no calcite presence field notes were made. Low flow calcite observations were conducted in July 2022.

² "Stable or decreasing" indicates that Cd-D, NO₃-N, Se-D, and SO₄ concentrations show stable, no trend, or decreasing trends while field pH shows a stable trend or no trend. "-" denotes that there was insufficient data to conduct trend analysis.

³ "-" for seasonality denotes that no seasonality has been visually identified and for parameters above FWAL BCWQGs "-" indicates that no COIs were identified as above FWAL BCWQGs.

5.1.2 Discussion

Summary

There are 22 RSMP seeps at FRO. The seeps will be discussed from upstream to downstream along the Fording River.

All seeps at FRO (except FR_HENSSEEP1, as discussed below) were categorized as oxic, and all seeps (except for FR_FRVWSEEP3 discussed below) were categorized as not MF influenced (Table 7). Ferrihydrite was modelled and classified as oversaturated or potentially oversaturated for all seeps at FRO. Maps of modelled calcite saturation and field presence during high and low flows in Figure 3 and Figure 4, respectively, show no apparent spatial trends for calcite saturation at FRO.

A comparison of average flows during high and low flows at each FRO seep and its associated comparison permitted surface water monitoring location is reported in Table 8. Four FRO seeps are estimated to contribute at least 15% of the flow to their corresponding downstream surface water monitoring station: FR_TURNSEEP2, FR_CCSEEPE1, FR_FCSEEP2, and FR_EAGLENORTH.

Henretta Seeps

FR_HENSEEP3 and FR_HENSSEEP1 are downstream of the Henretta waste rock dump area and upstream of the FR_FR1 surface water monitoring location. Neither seep appears to significantly contribute flow or load to FR_FR1.

FR_HENSEEP3 has the highest dissolved selenium concentrations (average 560 μ g/L) among all the FRO RSMP seeps (average 180 μ g/L), however, Mann-Kendall analysis indicates that dissolved selenium concentrations are decreasing. Dissolved selenium concentrations at FR_HENSSEEP1 are significantly lower compared to FR_HENSEEP3 and closer to the 2 μ g/L BC FWAL guideline. Total selenium concentrations at FR_FR1 (average 15 μ g/L) are above the BC FWAL guideline.

Nitrate-N concentrations at FR_HENSEEP3 (average 85 mg/L-N) are some of the highest of the FRO seeps (average 45 mg/L-N). However, nitrate-N concentrations at FR_FR1 (2.4 mg/L-N) are below the BC FWAL guideline (3.0 mg/L-N chronic and 33 mg/L-N acute). Sulfate concentrations at FR_HENSSEEP1 (average 840 mg/L) are probably increasing and may be related to recent reclamation activity upstream to the east of the Henretta Pit Lake. Based on calcite modelling, FR_HENSSEEP1 has been categorized as oversaturated during high flows; however, no field presence has been historically noted.

Turnbull Seeps

FR_TURNSEEP1 is downstream of the Turnbull waste rock area and upstream of the FR_FR1 surface water monitoring location. Mann-Kendall analysis indicates stable or no trends thus far. Like FR_HENSEEP3 and FR_HENSSEEP1 upstream of FR_FR1, FR_TURNSEEP1 does not appear to significantly contribute flow or load to FR_FR1 (Table 8). Calcite modelling indicates that

FR_TURNSEEP1 is potentially oversaturated; however, no field presence has been historically observed.

FR_TBWSEEP1 and FR_TURNSEEP2 are also downstream of the Turnbull waste rock area but upstream of the FR_PP1 surface water monitoring location. The semi-quantitative load comparison in Table 8 indicates that FR_TURNSEEP2 may contribute up to 23% of the flow and 27% of the sulfate load at FR_PP1, depending on the time of year. Both seeps' nitrate concentrations are above the chronic BC FWAL guideline. Average nitrate concentrations at FR_TBWSEEP1 and FR_TURNSEEP2 are 13 and 19 mg/L-N, respectively, compared to the 3 mg/L-N chronic BC FWAL and 33 mg/L-N acute guidelines. Downstream at FR_PP1, nitrate-N concentrations are also above the nitrate BC FWAL guidelines, averaging 35 mg/L-N. Total selenium concentrations at FR_TBWSEEP1 (average 68 μ g/L), FR_TURNSEEP2 (average 92 μ g/L), and FR_PP1 (average 120 μ g/L) are above the chronic total selenium BC FWAL guideline of 2 μ g/L. In addition, dissolved selenium concentrations are increasing at FR_TURNSEEP2 and probably increasing at FR_TBWSEEP1. Field pH at FR_TBWSEEP1 (average 7.2) and FR_TURNSEEP2 (average 7.1) is the lowest of all the FRO RSMP seeps (average 7.7) and shows a probably decreasing trend at FR_TURNSEEP2 in Mann-Kendall analysis.

FR_FCSEEP2 is also downstream of the Turnbull waste rock area, but upstream of the FR_CC1 surface water monitoring location. The semi-quantitative load comparison in Table 8 indicates that FR_FCSEEP2 may contribute up to 18% of the flow but only up to 1% of the sulfate load at FR_CC1, depending on the time of year. Nitrate-N, sulfate, dissolved selenium, and dissolved uranium concentrations show a seasonal pattern at FR_FCSEEP2, with higher concentrations during low flows. FR_FCSEEP2 has the lowest TDS and sulfate concentrations (260 mg/L and 84 mg/L, respectively), compared to all the FRO RSMP seeps (1,600 mg/L and 770 mg/L, respectively).

Clode Catchment Seeps

Clode Catchment Seeps FR_CCSEEPE1 and FR_CCSEEPSE1 are also upstream of the FR_CC1 surface water monitoring location, downstream of the Clode waste rock area. Semi-quantitative flow and load calculations estimate that FR_CCSEEPE1 could contribute up to 38% of the flow and 41% of the sulfate load at FR_CC1, depending on the time of year.

Nitrate-N concentrations at FR_CCSEEPE1 are some of the highest of the FRO RSMP seeps (61 mg/L-N compared to 45 mg/L-N) and above the BC FWAL. FR_CCSEEPE1 and FR_CCSEEPSE1 also have the highest dissolved cadmium (1.0 and 1.4 µg/L, respectively) and dissolved nickel (0.07 and 0.07 mg/L, respectively) concentrations of the FRO RSMP seeps (0.5 µg/L average cadmium and 0.03 mg/L average nickel). In addition, Mann-Kendall analysis indicates that nitrate-N, dissolved selenium, sulfate, dissolved cobalt, dissolved nickel, dissolved uranium, and TDS are increasing at FR_CCSEEPE1. Dissolved selenium, and sulfate concentrations at FR_CCSEEPSE1 are decreasing. No COIs are exhibiting notable trends at FR_CCSEEPSE1, aside from field pH, which is decreasing (becoming more acidic). Downstream at FR_CC1, nitrate-N, total selenium, and sulfate concentrations are above the BC FWAL guidelines. Based on calcite modelling, FR_CCSEEPE1 is calcite oversaturated. However, calcite presence in the field has not been noted since 2020.

Lake Mountain Seeps

FR_LMCWSEEP5 is downstream of the Lake Mountain area and upstream of the FR_LMP1 surface water monitoring location. FR_LMCWSEEP5 does not appear to significantly contribute flow or load to FR_LMP1 (Table 8). Mann-Kendall analysis shows dissolved cadmium and nickel concentrations are probably increasing, and field pH is decreasing. OC concentrations show seasonality trends, with higher concentrations during low flows at FR_LMCWSEEP5.

FRO CCR Seeps

FR_ASPSEEP1 is downstream of a CCR area and upstream of the FR_LP1 surface water monitoring location. There was increased sampling at FR_ASPSEEP1 in 2022 to support pumping plan development. Mann-Kendall analysis indicates no increasing trends. At FR_ASPSEEP1, sulfate, nitrate, and total selenium concentrations are consistently above BC FWAL guidelines. The same constituent concentrations are above the BC FWAL guidelines at FR_LP1, however, FR_ASPSEEP1 does not appear to significantly contribute flow or load to FR_LP1 (Table 8).

Eagle Catchment Seeps

FR_EAGLENORTH is downstream of the Eagle waste rock area and upstream of the FR_EC1 surface water monitoring location. During high flows, FR_EAGLENORTH is estimated to contribute up to 30% of flows and 56% of sulfate load to FR_EC1. Sulfate, nitrate-N and total selenium concentrations are consistently above the BC FWAL guidelines; however, Mann-Kendall analysis shows no trend for these OCs. Field pH is probably decreasing at FR_EAGLENORTH based on Mann-Kendall analysis. FR_EAGLENORTH has the highest TDS (average 3,340 mg/L) of all FRO RSMP seeps (average 1,610 mg/L) and relatively elevated sulfate, dissolved cadmium, dissolved nickel, dissolved selenium, and dissolved uranium concentrations.

There are three seeps upstream of the FR_NL1² surface water monitoring location: FR_FSEAMSEEP7, FR_DOKASEEP1, and FR_SPRWSEEP1. All three seeps do not appear to significantly contribute flow or load to FR_NL1. FR_FSEAMSEEP7 and FR_DOKASEEP1 are downstream of the Doka waste rock area. FR_SPRWSEEP1 is downstream of the Blain CCR area. Nitrate-N concentrations at consistently above the BC FWAL guideline at FR_FSEAMSEEP7 (13 mg/L-N) and FR_SPRWSEEP1 (7.6 mg/L). Total selenium concentrations are also above the BC FWAL guideline at these two seeps (average of 140 µg/L at FR_FSEAMSEEP7, 35 µg/L at FR_SPRWSEEP1). However, Mann-Kendall analysis indicates no increasing trends for all OCs and COIs at all three seeps. During high flows, FR_FSEAMPSEEP7 and FR_DOKASEEP1 have been categorized as calcite oversaturated; however, calcite presence has not been noted in the field since 2019.

² FR_NL1 did not discharge in 2022 (pers. comm. David Burroughs January 16, 2022).

Smith Seeps

FR_FRVWSEEP3 is downstream of the Smith waste rock area and upstream of the FR_SP1 surface water monitoring location. FR_FRVWSEEP3 does not appear to significantly contribute flow or load to FR_SP1 (Table 8). Total selenium and sulfate concentrations are consistently above the BC FWAL guideline (80 µg/L and 510 mg/L, respectively). In addition, Mann-Kendall analysis indicates that dissolved selenium concentrations are increasing, and dissolved cadmium and antimony concentrations are probably increasing at FR_FRVWSEEP3. FR_FRVWSEEP3 is the only seep at FRO that has been categorized as potentially³ possibly MF influenced. Sulfate concentrations are consistently above 100 mg/L (average 510 mg/L), and Zn/Cd has been mostly above 200 mg/mg (average 300 mg/mg). However, to date, pH is neutral (average 8.0 pH units).

Blaine CCR Seeps

There are six seeps in the FRO RSMP that are upstream of the FR_FR2 surface water monitoring location. Three seeps (FR_BLAKESEEP1, FR_BLAINESEEP1 and FR_BLAINSEEP5) are downstream of the Blaine CCR area. Three seeps (FR_STPNSEEP, FR_STPWSEEP, and FR_STPSWSEEP) are downstream of the South Tailings Pond (see section below). The three seeps downstream of the Blaine CCR area do not appear to significantly contribute flow or load to FR_FR2.

Sulfate, total selenium, and nitrate-N concentrations are above the BC FWAL guideline at all three seeps downstream of the Blaine CCR area. In addition, total uranium concentrations are above the BC FWAL guideline at FR_ BLAINESEEP1 and FR_ BLAINESEEP5. Nitrite-N concentrations are also above the guideline at FR_ BLAINESEEP5. The OC concentrations at these three seeps are stable or show no trend, apart from probably increasing dissolved cadmium concentrations at FR_BLAINESEEP1. The TDS is relatively elevated at FR_BLAINESEEP1 and FR_BLAINESEEP5 (average of 2,860 mg/L and 3,340 mg/L, respectively) compared to all the FRO RSMP seeps (average of 1,610 mg/L). Likewise, FR_BLAINESEEP1 shows relatively elevated sulfate, dissolved nickel, dissolved selenium, and dissolved uranium concentrations compared to all the FRO RSMP seeps. FR_BLAINESEEP5 also shows relatively elevated sulfate and dissolved uranium concentrations. The three seeps downstream of the Blaine CCR area have all been categorized as oversaturated or potentially oversaturated for calcite. However, calcite has not been observed at these seeps.

South Tailings Pond Seeps

The three seeps downstream of the South Tailings Pond do not appear to significantly contribute flow or load to FR_FR2. FR_STPNSEEP is the only seep of the three seeps downstream of the South Tailings Pond with concentrations above a BC FWAL guideline for total selenium (18 μ g/L) and nitrate-N (5.6 mg/L-N). The OC concentrations at all three seeps are stable or decreasing based on Mann-Kendall analysis.

³ Seeps categorized as potentially possibly MF influenced indicate that the majority but not all samples indicate possible MF influenced conditions.

Swift Seeps

FR_SCRDSEEP1 is downstream of the Swift waste rock area and upstream of the FR_SCOUT surface water monitoring location. Based on the qualitative flow and sulfate loading analysis, FR_SCRDSEEP1 does not have significant flow or sulfate loading rates relative to FR_SCOUT. Sulfate, nitrate-N, nitrite-N, total cobalt, and total selenium concentrations are consistently above BC FWAL guidelines. In addition, Mann-Kendall analysis indicates that all COI concentrations (except field pH) are increasing at FR_SCRDSEEP1 (Figure 5). Several COIs have shown a relatively significant concentration increase in recent years, including nitrate-N, nitrite-N, dissolved antimony, dissolved cobalt, dissolved nickel, and dissolved selenium. FR_SCRDSEEP1 has been classified as calcite oversaturated during low flows; however, calcite has not been observed in the field since 2019.

Table 8: Average seasonal flow and SO₄ load for FRO seeps and comparison permitted surface water monitoring locations

	Permitted Surface Water Monitoring Location Flow		Permitted Surface Water			Seep Flow ¹							
Permitted Surface Water Monitoring Location		ocation Flow 3/d)	Monitoring Location SO₄ Load (kg/d)		Seep Location	High Flow		Lo	ow Flow	High Flow		Low Flow	
	High Flow	Low Flow	High Flow	Low Flow	·	Flow (m ³ /d)	% of Permitted Location Flow	Flow (m ³ /d)	% of Permitted Location Flow	SO ₄ Load (kg/d)	% of Permitted Location Load	SO ₄ Load (kg/d)	% of Permitted Location Load
FR_CC1	9,200	4,800	6,100	3,000	FR_CCSEEPE1	3,500	38%	650	14%	2,500	41%	650	22%
				_	FR_CCSEEPSE1	84	0.91%	46	0.97%	110	1.8%	70	2.3%
				_	FR_FCSEEP2	1,700	18%	240	5.1%	57	0.94%	38	1.3%
FR_EC1	520	350	500	380	FR_EAGLENORTH	150	30%	10	2.9%	280	56%	19	5.0%
FR_FR1	180,000	31,000	15,000	3,600	FR_HENSEEP3	29	0.02%	4	0.01%	38	0.25%	5	0.14%
					FR_HENSSEEP1	51	0.03%	1	0.002%	48	0.32%	1	0.02%
					FR_TURNSEEP1	28	0.02%	1	0.002%	11	0.07%	0	0.01%
FR_FR2	170,000	71,000	28,000	18,000	FR_BLAINESEEP1	150	0.09%	210	0.30%	250	0.89%	370	2.1%
					FR_BLAINESEEP5	15	0.01%	0	0.001%	36	0.13%	1	0.004%
					FR_BLAKESEEP1	61	0.04%	20	0.03%	30	0.11%	21	0.12%
					FR_STPNSEEP	330	0.19%	-	-	41	0.14%	-	-
				_	FR_STPSWSEEP	82	0.05%	67	0.10%	28	0.10%	22	0.12%
					FR_STPWSEEP	450	0.26%	390	0.55%	140	0.50%	110	0.59%
FR_LMP1	24,000	4,800	5,100	1,900	FR_LMCWSEEP5	430	1.7%	150	3.2%	35	0.68%	62	3.3%
FR_LP1	2,400	2,000	890	900	FR_ASPSEEP1	230	9.4%	120	6.0%	110	12%	91	10%
					FR_FSEAMWSEEP4	160	6.5%	-	-	21	2.4%	-	-
					FR_SHNSEEP1	160	6.7%	-	-	20	2.3%	-	-
FR_NL1	1,700	4,200	460	1,500	FR_DOKASEEP1	32	1.9%	14	0.34%	2	0.43%	1	0.05%
				_	FR_FSEAMSEEP7	22	1.3%	1	0.03%	9	1.9%	1	0.03%
					FR_SPRWSEEP1	23	1.3%	20	0.48%	8	1.8%	8	0.51%
FR_PP1	5,800	2,100	1,400	1,300	FR_TBWSEEP1	460	7.9%	140	6.6%	130	9.5%	31	2.3%
				_	FR_TURNSEEP2	1,000	17%	490	23%	380	27%	170	13%
FR_SCOUT	5,400	3,900	4,200	7,900	FR_SCRDSEEP1	99	1.8%	170	4.4%	40	1.0%	-	-
FR_SP1	3,500	2,500	860	790	FR_FRVWSEEP3	35	1.0%	15	0.59%	17	2.0%	8	1.0%

¹ Due to the often-diffuse nature of seeps, seep flow measurements are inherently imprecise. The comparisons reported here should be regarded as semi-quantitative.

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5.2 Greenhills Operation

5.2.1 Overview

Seep monitoring locations at GHO are presented in Figure 6. Seeps are color-coded by the comparison permitted surface water sampling location. Table 9 summarizes the seeps visited during the 2022 RSMP.

Mann-Kendall trend analyses were completed for OC for seep samples with seven or more sampling events and are summarized in Table 10. A summary of Mann-Kendall trend analysis for all COIs is available in Appendix D.

The oxidation and MF influence categorization of seeps and modelled calcite and ferrihydrite saturation at GHO is summarised in Table 11. Calcite precipitate presence was not noted down during the 2022 low flow sampling survey.

Table 9: 2022 GHO Seeps

Seep ID	Group Name	Comparison Permitted Surface Water Sampling Location	Permitted Surface Water Sampling Location Type	Notes	Seep Status
GH_SEEP_12	GH_PORTER_CREEK	GH_PC1	DL	-	ACTIVE
GH_SEEP_76	GH_LEASK_WR	GH_LC1	DL	-	ACTIVE
GH_SEEP_77	GH_WOLFRAM_WR	GH_WC1	DL	-	ACTIVE
GH_SEEP_79	GH_WOLFRAM_WR	GH_TC2	DL	-	ACTIVE
GH_SEEP_60	GH_THOMPSON_WR	GH_TC2	DL	Dry Sept 2022	ACTIVE
GH_SEEP_46	GH_THOMPSON_WR	GH_TC2	DL	Dry Sept 2022	ACTIVE
GH_SEEP_5	GH_THOMPSON_WR	GH_TC2	DL	-	ACTIVE
GH_SEEP_50	GH_UPSTREAM_CCR	GH_TC2	DL	Dry Sept 2022	ACTIVE
GH_SEEP_15	GH_UPSTREAM_CCR	GH_FC1	SW	Dry Sept 2022	ACTIVE
GH_SEEP_30	GH_UPSTREAM_CCR	GH_FC1	SW	Dry June & Sept 2022	ACTIVE
GH_WTDS	GH_CCR	GH_FC1	SW	-	ACTIVE
GH_SEEP_16	GH_CCR	GH_GH1	DL	Dry June 2022	ACTIVE
GH_SEEP_21	GH_CCR	GH_GH1	DL	-	ACTIVE
GH_SEEP_22	GH_CCR	GH_GH1	DL	-	ACTIVE

Seep ID	Group Name	Comparison Permitted Surface Water Sampling Location	Permitted Surface Water Sampling Location Type	Notes	Seep Status
GH_SEEP_26	GH_CCR	GH_GH1	DL	Dry June & Sept 2022	ACTIVE
GH_W-SEEP	GH_CCR	GH_GH1	DL	Dry June & Sept 2022	ACTIVE
GH_E1	GH_CCR	GH_GH1	DL	-	ACTIVE
GH_E3	GH_CCR	GH_GH1	DL	-	ACTIVE
GH_SEEP_98	GH_RAILLOOP	GH_FR1	SW	-	ACTIVE

Notes: Permitted surface water sampling location types are surface water (SW) or discharge location (DL).

Table 10: GHO – Summary of Mann-Kendall Trend Analysis for OC

	-							
Parameter Site ID	Dissolved Cadmium	Nitrate-N	Dissolved Selenium	Sulfate	Field pH			
GH_SEEP_12	Stable	-	Stable	Stable	Prob. Decreasing			
GH_SEEP_76	No Trend	Decreasing	No Trend	Increasing	No Trend			
GH_SEEP_77	Prob. Decreasing	Stable	Stable	Stable	No Trend			
GH_SEEP_79	-	Stable	Stable	No Trend	Stable			
GH_SEEP_60	-	-	-	-	-			
GH_SEEP_46	-	-	-	-	-			
GH_SEEP_5	No Trend	Increasing	Increasing	Increasing	-			
GH_SEEP_50	-	-	-	-	-			
GH_SEEP_15	-	-	=	-	-			
GH_SEEP_30	-	-	-	-	-			
GH_WTDS	Decreasing	Prob. Decreasing	Stable	Decreasing	Stable			
GH_SEEP_16	-	-	Decreasing	Stable	-			
GH_SEEP_21	Stable	Stable	Decreasing	Stable	No Trend			
GH_SEEP_22	Decreasing	Stable	Decreasing	Stable	Stable			
GH_SEEP_26	-	-	-	-	-			
GH_W-SEEP	-	-	No Trend	Prob. Decreasing	No Trend			
GH_E1	Prob. Increasing	No Trend	No Trend	Stable	Stable			
GH_E3	Stable	Stable	Decreasing	No Trend	Prob. Decreasing			
GH_SEEP_98	-	-	-	-	-			
RG_ERSP3	-	-	-	-	-			

Notes: "-" denotes trend analysis was not completed because of insufficient data or because concentrations of parameter have been consistently less than, or marginally greater than the detection limit. Where increasing trends are noted (except for field pH), the cell is shaded in orange. Decreasing trends in field pH at shaded orange.

5.2.2 Discussion

Summary

There are 20 RSMP seeps at GHO. The seeps will be discussed from upstream to downstream along the Fording River and then from upstream to downstream along the Elk River.

Several GHO seeps downstream of the GHO CCR storage facility were categorized as potentially suboxic or suboxic (Table 11). All seeps (except for GH_E1, discussed below) were categorized as not MF influenced. Ferrihydrite was modelled and classified as oversaturated for all seeps at GHO. Maps of modelled calcite saturation and field presence during high and low flows in Figure 7 and Figure 8, respectively, show no apparent spatial trends for calcite saturation at GHO.

A comparison of average instantaneous flows during high and low flows at each GHO seep and its associated permitted surface water monitoring location is reported in Table 12. No GHO seeps (except GH_WTDS and GH_SEEP_15 discussed below) contribute significantly to their comparison permitted surface water monitoring location counterparts.

Porter Creek Seeps

GH_SEEP_12 is downstream of the Porter Creek area and upstream of the GH_PC1 surface water monitoring location. When flow measurements are available for GH_SEEP_12, it does not appear to significantly contribute flow or sulfate load to GH_PC1. Total selenium concentrations (average 3.2 $\mu g/L$) are above the BC FWAL guideline (2 $\mu g/L$), however, selenium concentrations are not likely to increase further above the BC FWAL guideline as Mann-Kendall analysis indicates a stable trend for dissolved selenium concentrations. Downstream, total selenium concentrations are also above the BC FWAL guideline at FR_PC1 (average 65 $\mu g/L$). GH_SEEP_12 has the lowest TDS (average 250 mg/L) and sulfate (average 24 mg/L) concentrations of all the GHO RSMP seeps (average 1,380 mg/L TDS and 680 mg/L sulfate). According to the Mann-Kendall analysis, field pH is probably decreasing, however GH_SEEP_12 field pH is still neutral-alkaline, the last and lowest measurement was 7.8 in September 2022.

Leask Seeps

GH_SEEP_76 is downstream of the West Spoil area and upstream of the GH_LC1 surface water monitoring location. GH_SEEP_76 does not appear to significantly contribute flow or sulfate load to GH_LC1. Sulfate, nitrate-N, nitrite-N, total selenium, and total uranium concentrations are above the BC FWAL guidelines. In addition, sulfate and dissolved uranium concentrations show increasing trends based on Mann-Kendall analysis. GH_SEEP_76 has the highest nitrate-N (average 130 mg/L-N), nitrite-N (0.06 mg/L-N), and dissolved selenium (570 μ g/L) concentrations of the GHO RSMP seeps (9.9 mg/L-N nitrate, 0.01 mg/L-N nitrite, and 54 μ g/L selenium). Downstream at GH_LC1, nitrate-N and total selenium are above the BC FWAL guidelines. This seep has also has relatively elevated levels of dissolved antimony, dissolved cobalt, dissolved nickel, and dissolved uranium compared to the other GHO RSMP seeps. Active spoiling above this seep may be contributing to the higher-than-average concentrations compared to other GHO RSMP seeps. Concentrations at GH_SEEP_76 show a strong

seasonal pattern, with higher concentrations during high flows. Calcite modelling indicates that GH_SEEP_76 may be potentially oversaturated during high flows and oversaturated during low flows. Calcite precipitate presence has also been observed in the field during high flow sampling events.

Wolfram Seeps

GH_SEEP_77 is also downstream of the West Spoil area and upstream of the GH_WC1 surface water monitoring location. GH_SEEP_77 does not appear to significantly contribute flow or sulfate load to GH_WC1. Sulfate, nitrate-N, nitrite-N, total selenium, and total uranium concentrations are above the BC FWAL guidelines; however, no further increases above the guidelines are expected as no COI concentrations show an increasing trend based on Mann-Kendall analysis. Like GH_SEEP_76, GH_SEEP_77 has relatively elevated concentrations of dissolved uranium, dissolved selenium, dissolved nickel, dissolved antimony, nitrite-N, and nitrate-N compared to the whole GHO RSMP seep group. Downstream at GH_WC1, sulfate, nitrate, total selenium, and total uranium concentrations are above the BC FWAL guidelines. GH_SEEP_77 has also been categorized as calcite oversaturated, and calcite precipitate presence has been consistently observed in the field since 2021.

GH_SEEP_79 is also downstream of the West Spoil area but upstream of the GH_TC2 surface water monitoring location. Based on a semi-quantitative estimate, GH_SEEP_79 does not appear to significantly contribute flow or sulfate load to downstream GH_TC2. No COIs are above BC FWAL guidelines at this seep, and OC concentrations based on Mann-Kendall analysis are stable or show no trending. Only TDS shows a probably increasing trend. Compared to the other seeps downstream of the West Spoil area, GH_SEEP_79 has relatively low concentrations for COIs. Based on calcite SI modelling, GH_SEEP_79 has been categorized as potentially oversaturated. The first occurrence of calcite presence at this seep was recently noted during 2022 high flow sampling.

West Spoil Seeps

GH_SEEP_5, GH_SEEP_46, and GH_SEEP_60 are also upstream of GH_TC2 but downstream of the West Spoil area. It is estimated that these seeps do not significantly contribute flow or sulfate load to GH_TC2 (Table 12). Total selenium concentrations are above the BC FWAL guideline at GH_SEEP_5 (average 2.3 μ g/L) and GH_SEEP_46 (average 160 μ g/L). Sulfate and nitrate-N concentrations are also above BC FWAL guidelines at GH_SEEP_46 (averages of 410 mg/L sulfate and 6.1 mg/L-N nitrate). In addition to having concentrations above BC FWAL guidelines, Mann-Kendall analysis indicates that nitrate-N, dissolved selenium, and sulfate concentrations are increasing at GH_SEEP_5 (Figure 9). Not enough data was available at GH_SEEP_46 or GH_SEEP_60 for Mann-Kendall analyses. Of the three seeps in this group, GH_SEEP_46 shows the highest concentrations when data is available. At the downstream GH_TC2, sulfate, nitrate, total selenium, and uranium concentrations are above BC FWAL guidelines.

GHO CCR Seeps

GH_SEEP_50 is upstream of GH_TC2, and downstream of the GHO CCR area. Calcite SI modelling indicates that GH_SEEP_50 may be oversaturated during low flows; however, no calcite presence has been observed in the field.

Three seeps (GH_SEEP_15, GH_SEEP_30 and GH_WTDS) downstream of the GHO CCR area are compared to the GH_FC1 surface water monitoring location. In Table 12 below, the relative sulfate loading is estimated to be 190% from GH_SEEP_15 and 1500% from GH_WTDS compared to sulfate loadings at GH_FC1 during low flows. The relative flow is estimated to be 5% from GH_SEEP_15 and 1500% from GH_WTDS compared to GH_FC1 during low flows. GH_WTDS is also estimated to have 150% sulfate loading compared to GH_FC1 during high flows.

Total selenium concentrations are consistently above the BC FWAL guideline at GH_WTDS (average $9.2~\mu g/L$); however, selenium concentrations are not likely to increase further above the BC FWAL guideline as Mann-Kendall analysis indicates no trend for dissolved selenium concentrations. No COI concentrations are above the BC FWAL guidelines at the downstream GH_FC1 monitoring location. Based on calcite SI modelling, all three seeps have been categorized as potentially oversaturated or oversaturated. Field calcite presence has historically been observed at GH_SEEP_15 and GH_WTDS but not at GH_SEEP_30.

Seven RSMP seeps are downstream of the GHO CCR area and upstream of the GH_GH1 surface water monitoring location. None of the seeps in this group appear to significantly contribute flow or sulfate load to GH GH1. Sulfate, total selenium, and total uranium are often above BC FWAL guidelines at these seeps (group averages of 940 mg/L for sulfate, 5.2 µg/L for total selenium, and 68 µg/L for total uranium). Concentrations for these parameters are often above the BC FWAL guidelines downstream at GH_GH1 (averages of 590 mg/L for sulfate, 120 μg/L for total selenium, and 66 μg/L for total uranium). Mann-Kendall analysis indicates that GH_E1 has probably increasing dissolved cadmium concentrations and GH_E3 has decreasing field pH. As in previous years, several of the seeps downstream of the GHO CCR have been categorized as potentially suboxic or suboxic. This could indicate possible suboxic zones within the GHO CCR storage facility. GH_SEEP_15 is the only seep in this group that was categorized as oxic. GH E1 has been categorized as possibly MF influenced. Sulfate concentrations at GH_E1 are consistently above 100 mg/L (average 1,200 mg/L) and Zn/Cd is consistently above 200 mg/mg (average 710 mg/mg). The field pH at GH E1 continues to be neutral (average 7.8 pH units). The calcite status of this group of seeps varies. All the seeps in this group, except for GH_SEEP_16 and GH_SEEP_22, have been categorized as potentially oversaturated or oversaturated. Calcite presence in the field has been consistently observed at GH_E1, GH_E3, GH_SEEP_21 and GH_SEEP_22.

GH_SEEP_98 is upstream of the GH_FR1 surface water monitoring location. Samples collected thus far since GH_SEEP_98's addition to the RSMP have been above the sulfate and total selenium BC FWAL guidelines. There is insufficient data to conduct statistical trend analysis on this seep.

Table 11: Summary of Trends and Controls on Water Quality for Seeps at GHO

Seep ID	Group Name	Flow Period	Oxidation Category	MF Influence	Calcite Status (CaCO₃ aq)	Calcite (CaCO₃ aq) SI	Calcite Precipitate Presence (2022) ¹	Ferrihydrite Status	OC and field pH Mann-Kendall Trend ²	Seasonality ³	Parameters Above FWAL BCWQGs ³
GH_SEEP_12	GH_PORTER_CREEK —	High Flow	Oxic	Not MF Influenced	Undersaturated	0.39	No	Potentially Oversaturated	Prob. Decreasing field		Se-T
011_0221 _12	on_, onten_onee.	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.4	-	Oversaturated	рН		00 .
GH_SEEP_76	GH_LEASK_WR —	High Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.72	Yes	Oversaturated	- Increasing SO ₄	Higher Sb-D, Co-D, Ni-D, Se-D	SO ₄ , NO ₃ -N, NO ₂ -N,
		Low Flow	Oxic	Not MF Influenced	Oversaturated	0.82	-	Oversaturated	g c c .	-	Se-T, U-T
		High Flow	Oxic	Not MF Influenced	Oversaturated	1	Yes	Oversaturated			
GH_SEEP_77	GH_WOLFRAM_WR —	Low Flow	Oxic	Potentially Not MF Influenced	Oversaturated	0.98	-	Oversaturated	-	-	SO ₄ , NO ₃ -N, Se-T
GH_SEEP_79	GH_WOLFRAM_WR —	High Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.77	Yes	Oversaturated	_	_	Se-T
OH_OLEH_FO	GH_WOLFROWN_WIX	Low Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.71	-	Oversaturated			00 1
GH_SEEP_60	GH_THOMPSON_WR —	High Flow	Oxic	Not MF Influenced	Undersaturated	0.3	Yes	Potentially Oversaturated		_	Ni-T, Se-T, U-T
011_0221 _00	0.1_11.0.m. 001	Low Flow	Oxic	Not MF Influenced	Not determined	0.45	-	Not determined			, 35 ., 5 .
GH_SEEP_46	GH_THOMPSON_WR —	High Flow	Oxic	Not MF Influenced	Potentially Undersaturated	0.47	No	Oversaturated		_	SO ₄ , NO ₃ -N, Se-T
OH_OLLI _40	GII_IIIOWII GGIN_WIN	Low Flow	No Samples	No Samples	No Samples	-	-	No Samples			304, NO3-IN, GE-1
GH_SEEP_5	GH_THOMPSON_WR —	High Flow	Oxic	Not MF Influenced	Undersaturated	-0.061	No	Potentially Oversaturated	Increasing NO ₃ -N,	_	Se-T
0.1_0220	0.1_11.0.m. 001	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.32	-	Oversaturated	Se-D, SO ₄		00 .
GH_SEEP_50	GH_UPSTREAM_CCR —	High Flow	Oxic	Not MF Influenced	Potentially Undersaturated	0.22	No	Oversaturated		-	-
51. <u>_</u> 1 _51		Low Flow	Oxic	Not MF Influenced	Oversaturated	0.63	-	Oversaturated			
OU SEED 45	CH UDCTDEAM CCD	High Flow	Potentially Oxic	Not MF Influenced	Not determined	0.69	No	Oversaturated			
GH_SEEP_15	GH_UPSTREAM_CCR —	Low Flow	Suboxic	Not MF Influenced	Oversaturated	0.87	-	Oversaturated		-	-
OH OFFE CO	CH UDCTDEAM CCD	High Flow	Oxic	Not MF Influenced	Oversaturated	1.1	No	Oversaturated			
GH_SEEP_30	GH_UPSTREAM_CCR —	Low Flow	No Samples	No Samples	No Samples	-	-	No Samples		-	-
GH_WTDS	GH_CCR —	High Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.84	No	Oversaturated		_	Se-T
311_VV 1D0	3H_00K	Low Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.85	-	Potentially Oversaturated	-	-	06-1

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Seep ID	Group Name	Flow Period	Oxidation Category	MF Influence	Calcite Status (CaCO₃ aq)	Calcite (CaCO₃ aq) SI	Calcite Precipitate Presence (2022) ¹	Ferrihydrite Status	OC and field pH Mann-Kendall Trend ²	Seasonality ³	Parameters Above FWAL BCWQGs ³
OH CEED 40	CII CCD	High Flow	Oxic	Not MF Influenced	No Samples	-	-	No Samples			CO. Co.T.U.T.
GH_SEEP_16	GH_CCR	Low Flow	Oxic	Not Determined	Undersaturated	0.49	-	Oversaturated		-	SO ₄ , Se-T, U-T
		High Flow	Suboxic	Not MF Influenced	Oversaturated	0.96	Yes	Oversaturated			
GH_SEEP_21	GH_CCR	Low Flow	Suboxic	Not MF Influenced	Potentially Undersaturated	0.54	-	Oversaturated	-	-	SO ₄ , Se-T, U-T
		High Flow	Not Determined	Not MF Influenced	Not determined	0.61	Yes	Oversaturated			
GH_SEEP_22	GH_CCR	Low Flow	Potentially Suboxic	Not MF Influenced	Potentially Undersaturated	0.44	-	Oversaturated	-	-	U-T
GH_SEEP_26	CII COD	High Flow	Suboxic	Not MF Influenced	Oversaturated	0.83	-	Oversaturated	rated		
GH_SEEP_26	GH_CCR	Low Flow	No Samples	No Samples	No Samples	-	-	No Samples		-	-
GH_W-SEEP	CH CCD	High Flow	Suboxic	Not MF Influenced	Oversaturated	0.94	-	Oversaturated			SO ₄ , Se-T
GH_W-SEEP	GH_CCR	Low Flow	Suboxic	Not MF Influenced	Oversaturated	0.79	-	Oversaturated	-	-	SO4, Se-1
GH_E1	GH_CCR	High Flow	Suboxic	Possibly MF Influenced	Potentially Oversaturated	0.99	Yes	Oversaturated	Drob Ingressing Cd D		SO ₄ , Se-T
GH_E1	GH_CCK	Low Flow	Suboxic	Potentially Possibly MF Influenced	Potentially Oversaturated	0.84	-	Oversaturated	—— Prob. Increasing Cd-D	-	3O4, 3e-1
GH_E3	GH_CCR	High Flow	Potentially Oxic	Not MF Influenced	Potentially Oversaturated	1	Yes	Oversaturated	Prob. Decreasing field		SO ₄
Gn_E3	GH_CCK	Low Flow	Potentially Suboxic	Not MF Influenced	Potentially Oversaturated	0.78	-	Potentially Oversaturated	рН	-	304
CH SEED 62	CH BAILLOOD	High Flow	Oxic	Not MF Influenced	Undersaturated	0.35	Yes	Oversaturated			
GH_SEEP_98	GH_RAILLOOP	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.33	-	Oversaturated	-	-	SO ₄ , Se-T

Notes: Categorizations labelled as "Not Determined" indicate a seep where an equal number of instances occurred for each category, so classification could not be determined.

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^{1 &}quot;-" calcite precipitate presence (2022) denotes that the seep was visited, but no calcite presence field notes were made. Low flow calcite observations were conducted in July 2022.

² "Stable or decreasing" indicates that Cd-D, NO₃-N, Se-D, and SO₄ concentrations show stable, no trend, or decreasing trends while field pH shows a stable trend or no trend. "-" denotes that there was insufficient data to conduct trend analysis.

³ "-" for seasonality denotes that no seasonality has been visually identified and for parameters above FWAL BCWQGs "-" indicates that no COIs were identified as above FWAL BCWQGs.

Table 12: Average seasonal flow and SO₄ load for GHO seeps and comparison permitted surface water monitoring locations

	Permitted Su			urface Water					Seep F	low ¹			
Permitted Surface Water Monitoring	Monitoring L (m ³	ocation Flow ³ /d)	Monitoring Loc (kg	ation SO₄ Load g/d)	Seep Location	———————Hiç	h Flow	Lo	ow Flow	Hi	gh Flow	Lo	ow Flow
Location	High Flow	Low Flow	High Flow	Low Flow		Flow (m ³ /d)	% of Permitted Location Flow	Flow (m ³ /d)	% of Permitted Location Flow	SO ₄ Load (kg/d)	% of Permitted Location Load	SO ₄ Load (kg/d)	% of Permitted Location Load
GH_FC1	890	76	19	2	GH_SEEP_15	36	4.0%	3.8	5.0%	0.45	2.4%	2.9	190%
					GH_SEEP_30	1.2	0.13%	-	-	0.07	0.4%	-	-
					GH_WTDS	140	16%	130	170%	28	150%	22	1500%
GH_FR1	-	-	-	-	GH_SEEP_98	-	-	-	-	-	-	-	-
GH_GH1	16,000	4,500	6,200	3,400	GH_E1	30	0.18%	78	1.7%	25	0.40%	72	2.1%
					GH_E3	820	5.1%	70	1.6%	480	7.8%	42	1.2%
					GH_SEEP_16	-	-	-	-	-	-	-	-
					GH_SEEP_21	54	0.34%	22	0.49%	61	0.99%	27	0.78%
					GH_SEEP_22	41	0.26%	24	0.54%	76	1.2%	28	0.84%
					GH_SEEP_26	3.4	0.02%	-	-	7	0.11%	-	-
					GH_W-SEEP	3.4	0.02%	-	-	6.3	0.10%	-	-
GH_LC1	2,900	640	500	390	GH_SEEP_76	43	1.5%	12	1.9%	33	6.5%	6	1.5%
GH_PC1	1,300	1,400	420	540	GH_SEEP_12	-	-	3.9	0.27%	-	-	0.14	0.03%
GH_TC2	12,000	2,300	5,800	2,000	GH_SEEP_46	2	0.02%	-	-	0.91	0.02%	-	-
					GH_SEEP_5	36	0.30%	20	0.90%	4.8	0.08%	2	0.10%
					GH_SEEP_50	17	0.14%	8.2	0.36%	1.3	0.02%	1.7	0.09%
					GH_SEEP_60	18	0.15%	-	-	30	0.52%	-	-
					GH_SEEP_79	34	0.3%	8.7	0.38%	2.3	0.04%	0.69	0.04%
GH_WC1	1,900,000	2,100	1,600,000	2,200	GH_SEEP_77	530	0.03%	150	6.9%	660	0.04%	210	10%

¹ Due to the often-diffuse nature of seeps, seep flow measurements are inherently imprecise. The comparisons reported here should be regarded as semi-quantitative.

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5.3 Line Creek Operation

5.3.1 Overview

Seep monitoring locations at LCO at presented in Figure 10. Seeps are color-coded by the comparison permitted surface water sampling location. Table 13 summarizes the seeps visited during the 2022 RSMP.

Table 13: 2022 LCO Seeps

Seep ID	Group Name	Comparison Permitted Surface Water Sampling Location	Permitted Surface Water Sampling Location Type	Notes	Seep Status
LC_UDHP	LC_DC_WR	LC_DCDS	SW	-	ACTIVE
LC_UDP1	LC_DC_WR	LC_DCDS	SW	-	ACTIVE
LC_SEEP8	LC_DC_WR	LC_DCDS	SW	-	ACTIVE
LC_SEEP19	LC_HSP_WR	LC_LC12	DL	-	ACTIVE
LC_3KM	LC_MSA_WR	LC_LC9	DL	-	ACTIVE
LC_SEEP1	LC_MSA_WR	LC_LC9	DL	-	ACTIVE
LC_WLC_LOT2	LC_WLC_WR	LC_WLC	DL	-	ACTIVE
LC_SEEP2	LC_MAXAM	LC_LCDSSLCC	DL	-	ACTIVE
LC_SEEP15	LC_DISTURBEDWSLOPE	LC_LCDSSLCC	DL	-	ACTIVE
LC_SEEP14	LC_DISTURBEDWSLOPE	LC_LCDSSLCC	DL	Dry Sept 2022	ACTIVE
LC_SEEP10	LC_PLANT	EV_ER4	DL	-	ACTIVE
LC_SEEP11	LC_PLANT	EV_ER4	DL	-	ACTIVE

Notes: Permitted surface water sampling location types are surface water (SW) or discharge location (DL).

Mann-Kendall trend analyses were completed for OC for seep samples with seven or more sampling events and are summarized in Table 14. A summary of Mann-Kendall trend analysis for all COIs is available in Appendix D.

The oxidation and MF influence categorization of seeps and modelled calcite and ferrihydrite saturation at LCO is summarised in Table 15.

	-		-		
Parameter Site ID	Dissolved Cadmium	Nitrate-N	Dissolved Selenium	Sulfate	Field pH
LC_UDHP	No Trend	No Trend	No Trend	No Trend	Stable
LC_UDP1	Stable	No Trend	Stable	Stable	Stable
LC_SEEP8	No Trend	-	Stable	-	-
LC_SEEP19	No Trend	Stable	No Trend	No Trend	Stable
LC_3KM	Decreasing	Prob. Decreasing	Decreasing	Stable	No Trend
LC_SEEP1	-	-	Decreasing	Stable	No Trend
LC_WLC_LOT2	Stable	Prob. Decreasing	Stable	Prob. Increasing	-
LC_SEEP2	No Trend	No Trend	Stable	Stable	Stable
LC_SEEP15	-	Decreasing	Decreasing	Stable	Stable
LC_SEEP14	Decreasing	-	No Trend	No Trend	-
LC_SEEP10	Prob. Decreasing	No Trend	Stable	No Trend	Prob. Decreasing

Table 14: LCO – Summary of Mann-Kendall Trend Analysis for OC

Notes: "-" denotes trend analysis was not completed because of insufficient data or because concentrations of parameter have been consistently less than, or marginally greater than the detection limit. Where increasing trends are noted, the cell is shaded in orange.

No Trend

No Trend

Decreasing

Stable

5.3.2 Discussion

Summary

LC_SEEP11

No Trend

There are 12 RSMP seeps at LCO. The seeps will be discussed from upstream to downstream along Line Creek.

All seeps at LCO were categorized as oxic and all seeps (except for LC_SEEP1 discussed below) were categorized as not MF influenced (Table 15). Ferrihydrite was modelled and classified as oversaturated for all seeps at LCO. Modelled calcite SIs were categorized as oversaturated for five seeps (LC_SEEP8, LC_SEEP1, LC_3KM, LC_WLC_LOT2, and LC_SEEP15). Calcite presence has not been noted at any of these seeps. Maps of modelled calcite saturation and presence during high and low flows in Figure 11 and Figure 12, respectively, show no apparent spatial trends for calcite saturation at LCO.

A comparison of average flows during high and low flows at each LCO seep and its associated permitted surface water monitoring location is reported in Table 16. Several permitted surface water monitoring locations at LCO do not have flow measurements against which to compare because the location was not discharging or has not been measured over the monitoring period. No LCO seeps (except LC_WLC_LOT2 and LC_3KM discussed below) contribute significantly to their comparison permitted surface water monitoring location counterparts.

Table 15: Summary of Trends and Controls on Water Quality for Seeps at LCO

Seep ID	Group Name	Flow Period	Oxidation Category	MF Influence	Calcite Status (CaCO₃ aq)	Calcite (CaCO₃ aq) SI	Calcite Precipitate Presence (2022) ¹	Ferrihydrite Status	OC and field pH Mann-Kendall Trend ²	Seasonality ³	Parameters Above FWAL BCWQGs ³
I O LIDUD	10 DO WD	High Flow	Oxic	Not MF Influenced	Undersaturated	-0.19	No	Oversaturated		-	NO N O- T
LC_UDHP	LC_DC_WR	Low Flow	Oxic	Not MF Influenced	Undersaturated	-0.056	No	Oversaturated	•	Higher SO ₄ , Se, U-D	– NO₃-N, Se-T
LO LIDDA	1.0. DO WD	High Flow	Oxic	Not MF Influenced	Undersaturated	-0.12	No	Oversaturated		Higher Sb-D	O- T
LC_UDP1	LC_DC_WR	Low Flow	Oxic	Not MF Influenced	Undersaturated	-0.17	No	Oversaturated	· -	-	- Se-T
10.05500	10 00 140	High Flow	Oxic	Not MF Influenced	Oversaturated	0.99	No	Oversaturated			0. T
LC_SEEP8	LC_DC_WR	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.37	No	Oversaturated	- -	- -	Se-T
10.055040	LO LIOD WD	High Flow	Oxic	Not MF Influenced	Undersaturated	0.11	No	Oversaturated		-	00 NO N 0- T
LC_SEEP19	LC_HSP_WR	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.28	No	Oversaturated	· -	All studied parameters.	− SO₄, NO₃-N, Se-T
1.0.01/14	LC MOA WD	High Flow	Oxic	Not MF Influenced	Oversaturated	1.0	No	Potentially Oversaturated		Higher SO ₄ , Sb-D, Se	O- T
LC_3KM	LC_MSA_WR	Low Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.76	No	Oversaturated	- -	-	- Se-T
10.05504	LC MOA WD	High Flow	Oxic	Potentially Not MF Influenced	Oversaturated	0.7	No	Oversaturated		Higher Ni-D	
LC_SEEP1	LC_MSA_WR	Low Flow	Oxic	Potentially Not MF Influenced	Oversaturated	0.92	No	Oversaturated	· -	-	
1.C. WILC. I.O.T.	LC MIC MD	High Flow	Oxic	Not MF Influenced	Undersaturated	0.33	No	Oversaturated	Prob. Increasing		00 0-111
LC_WLC_LOT2	LC_WLC_WR	Low Flow	Oxic	Not MF Influenced	Oversaturated	0.88	No	Oversaturated	SO ₄	·	SO ₄ , Se-T, U-T
LC CEEDS	LC MAYAM	High Flow	Oxic	Not MF Influenced	Undersaturated	0.056	No	Oversaturated		Higher TDS, NO ₃ -N, SO ₄ , Se, U-D	
LC_SEEP2	LC_MAXAM	Low Flow	Oxic	Not MF Influenced	Potentially Undersaturated	0.16	No	Oversaturated	· -	-	– NO₃-N, Se-T
10 055045	LO DISTUDDEDWOLODE	High Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.76	No	Oversaturated			NO N O- T
LC_SEEP15	LC_DISTURBEDWSLOPE	Low Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.73	No	Oversaturated	- -	- -	NO₃-N, Se-T
LC CEED44	LC DISTURBEDWSLOPE	High Flow	Oxic	Not MF Influenced	Undersaturated	0.37	No	Oversaturated			NO N C. T
LC_SEEP14	LC_DISTURBEDWSLOPE	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.44	No	Oversaturated	· -	-	NO₃-N, Se-T
10.055040	LODIANT	High Flow	Oxic	Not MF Influenced	Undersaturated	0.11	No	Oversaturated	Prob. Decreasing	Higher Zn-D	
LC_SEEP10	LC_PLANT	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.017	No	Equilibrium	field pH	-	
LC OFFD44	I C DI ANT	High Flow	Oxic	Not MF Influenced	Undersaturated	0.11	No	Oversaturated	Decreasing field		C- T
LC_SEEP11	LC_PLANT	Low Flow	Oxic	Not MF Influenced	Potentially Undersaturated	0.44	No	Potentially Oversaturated	рН	-	Se-T

Notes: Categorizations labelled as "Not Determined" indicate a seep where an equal number of instances occurred for each category, so classification could not be determined.

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[&]quot;-" calcite precipitate presence (2022) denotes that the seep was visited, but no calcite presence field notes were made. Low flow calcite observations were conducted in July 2022.

² "Stable or decreasing" indicates that Cd-D, NO₃-N, Se-D, and SO₄ concentrations show stable, no trend, or decreasing trends while field pH shows a stable trend or no trend. "-" denotes that there was insufficient data to conduct trend analysis.

^{3 &}quot;-" for seasonality denotes that no seasonality has been visually identified and for parameters above FWAL BCWQGs "-" indicates that no COIs were identified as above FWAL BCWQGs.

Phase I (Line Creek)

There are nine RSMP seeps in the Line Creek watershed. The seeps will be discussed from upstream to downstream along Line Creek.

Horseshoe Ridge Seeps

LC_SEEP19 is located on the north facing Horseshoe Ridge, downstream of previous waste rock dump areas and upstream of Horseshoe Ridge Pond and the LC_LC12 surface water monitoring location. LC_SEEP19 shows the most seasonality within the LCO RSMP seeps, with all COIs showing higher concentrations during low flows. Total selenium concentrations at LC_SEEP19 (average 47 $\mu g/L$) are consistently above the BC FWAL guideline; however, concentrations are consistently below the BC FWAL guideline at the downstream LC_LC12 surface monitoring location (average 28 $\mu g/L$). COI concentrations at LC_SEEP19 are stable based on Mann-Kendall analysis.

Mine Service Area Seeps

LC_3KM and LC_SEEP1 are downstream of the Mine Service Area (MSA) waste rock dump area and upstream of the Line Creek Rock Drain and LC_LC9 surface water monitoring location. Based on semi-quantitative analysis, LC_3KM is estimated to contribute up to 35% of the flow and 12% of the sulfate load to LC_LC9, depending on the time of the year (Table 16). Before 2020, total selenium concentrations at LC_3KM were consistently above the BC FWAL guideline. However, total selenium concentrations have since decreased to below the BC FWAL guideline. No COI concentrations at LC_LC9 are above the BC FWAL guidelines. Mann-Kendall analysis indicates no trend for the OC concentrations at LC_3KM or LC_SEEP1. However, dissolved uranium concentrations are showing an increasing trend (Appendix D). LC_SEEP1 is the only RSMP seep at LCO that has been categorized as potentially not MF influenced. However, the field pH at LC_SEEP1 is neutral (average 8.0 pH), and the seep has been categorized as not MF influenced since 2020. Based on PHREEQC modelling, LC_3KM and LC_SEEP1 were classified as calcite oversaturated; however, calcite precipitate presence has not been consistently observed at either location.

West Line Creek Seeps

LC_WLC_LOT2 is downstream of the West Line Creek waste rock dump area and upstream of the LC_WLC surface water monitoring location. Based on semi-quantitative analysis, LC_WLC_LOT2 is estimated to contribute up to 26% of the flow and 20% of the sulfate load to LC_WLC, depending on the time of the year (Table 16). Sulfate and total selenium concentrations at LC_WLC_LOT2 have been consistently above the BC FWAL guidelines (averages of 650 mg/L sulfate and 190 µg/L total selenium). In addition, Mann-Kendall analysis indicates sulfate concentrations are probably increasing. At LC_WLC, sulfate, nitrate-N, total selenium and total uranium concentrations are above the BC FWAL guidelines (averages of 920 mg/L sulfate, 15 mg/L-N nitrate, 380 µg/L total selenium and 15 µg/L total uranium). Modelled calcite saturation changed seasonally at LC_WLC_LOT2 from undersaturated during high flows (average calcite SI of 0.33) to oversaturated during low flows (average calcite SI of 0.88). No calcite presence has been observed at this seep since 2018.

LCO Valley Seeps

LC_SEEP2, LC_SEEP14, and LC_SEEP15 are located in the Line Creek valley bottom, upstream of the surface water monitoring location LC_LCDSSLCC. These three seeps do not appear to significantly contribute flow or load to LC_LCDSSLCC. Total selenium and nitrate-N concentrations are consistently above the BC FWAL guideline at LC_SEEP14 (average 4 µg/L selenium and 8.2 mg/L-N nitrate) and LC_SEEP15 (average 140 µg/L selenium and 8.0 mg/L-N nitrate). Total selenium and nitrate-N concentrations fluctuate around the guideline at LC_SEEP2. Total selenium concentrations at LC_SEEP2 were measured at 4.8 and 1.6 µg/L during high flows and low flows, respectively, and nitrate-N concentrations were measured at 12 and 0.53 mg/L-N, respectively. Mann-Kendall analysis show no increasing trends for COI concentration at all three seeps. Downstream at LC_LCDSSLCC, total selenium and nitrate-N concentrations are above BC FWAL guidelines (averages of 39 µg/L selenium, and 8.6 mg/L-N nitrate). LC_SEEP15 is modelled to be potentially oversaturated for calcite, and historically some calcite presence has been noted. However, no calcite was noted at this seep in 2022. No calcite presence has been observed at LC_SEEP2 or LC_SEEP14 and neither seep has been categorized as potentially oversaturated or oversaturated.

LCO Plant Seeps

LC_SEEP10 and LC_SEEP11 are in the plant processing area upstream of the EV_ER4 surface water monitoring location. Based on Mann-Kendall analysis, field pH is decreasing at LC_SEEP10 and probably decreasing at LC_SEEP11. In addition, dissolved uranium is probably increasing (Appendix D).

Phase II (LCO Dry Creek)

Three seeps in the RSMP are located in the LCO Dry Creek watershed downstream of the LCO Dry Creek Spoil: LC_UDHP, LC_UDP1, and LC_SEEP8. All three seeps have been classified as oxic and not MF influenced. Modelled calcite SIs indicate an increasing trend going downstream, leading to a higher potential for calcite precipitate formation. However, no calcite presence has been noted at any of these locations. These three seeps do not appear to significantly contribute flow or load to LC_DCDS.

Mann-Kendall analysis indicates that OC concentrations at these three seeps are either stable or show no trend. However, dissolved antimony and dissolved uranium are increasing, dissolved nickel and TDS are probably increasing at LC_UDHP (Figure 13 and Appendix D). TDS is also probably increasing at LC_UDP1. Field pH measurements show that LC_SEEP8 pH (average 8.3 pH) is generally one pH unit higher compared to pH at LC_UDP1 (average 7.5 pH) and LC_UDHP (average 7.4 pH). Nitrate-N concentrations are significantly higher at the most upstream seep (LC_UDHP) (range 3.7 to 40 mg/L-N) compared to LC_UDP1 and LC_SEEP8 (range 0.01 to 0.45 mg/L-N). Nitrate-N concentrations at LC_UDHP are consistently above the BC FWAL guideline and consistently below the guideline downstream at LC_UDP1 and LC_SEEP8. Sulfate and dissolved selenium concentrations are also significantly higher at LC_UDHP (sulfate ranges from 30 to 250 mg/L, and selenium ranges from 10 to 110 μ g/L) compared to LC_UDP1 an LC_SEEP8 (sulfate ranges from 0.30 to 8.5 mg/L and dissolved selenium ranges from 0.14 to 3.2 μ g/L). Total selenium concentrations are

consistently above the BC FWAL guideline at LC_UDHP, vary around the guideline at LC_UDP1, and are consistently below the guideline at LC_SEEP8. Downstream at LC_DCDS, nitrate-N and total selenium concentrations are above the BC FWAL guidelines (average 24 mg/L-N nitrate and 44 μ g/L selenium).

Table 16: Average seasonal flow and SO₄ load for LCO seeps and comparison permitted surface water monitoring locations

		urface Water		urface Water					Seep F	low ¹			
Permitted Surface Water Monitoring		ocation Flow 3/d)		ation SO₄ Load g/d)	Seep Location	Hig	h Flow	Lo	ow Flow	Hi	gh Flow	Lo	ow Flow
Location	High Flow	Low Flow	High Flow	Low Flow	·	Flow (m ³ /d)	% of Permitted Location Flow	Flow (m ³ /d)	% of Permitted Location Flow	SO ₄ Load (kg/d)	% of Permitted Location Load	SO ₄ Load (kg/d)	% of Permitted Location Load
LC_DCDS	48,000	11,000	3,500	1,800	LC_SEEP8	-	-	-	-	-	-	-	-
					LC_UDHP	270	0.56%	130	1.1%	12	0.34%	18	1.0%
					LC_UDP1	11	0.02%	3	0.03%	0	0.002%	0	0.001%
EV_ER4	-	-	-	-	LC_SEEP10	110	-	88	-	16	-	12	-
					LC_SEEP11	110	-	150	-	10	-	12	-
LC_WLC	7,300	3,800	5,800	3,700	LC_WLC_LOT2	1,900	26%	380	10%	1,200	20%	230	6.1%
LC_LC12	-	-	-	-	LC_SEEP19	160	-	370	-	24	-	110	-
LC_LCDSSLCC	250,000	120,000	50,000	32,000	LC_SEEP15	110	0.05%	19	0.02%	31	0.06%	6	0.02%
					LC_SEEP2	180	0.07%	9	0.01%	5	0.01%	0	0.001%
				_	LC_SEEP14	8	0.003%	9	0.01%	1	0.003%	1	0.004%
LC_LC9	1,000	-	150	-	LC_3KM	360	35%	96	-	18	12%	4	-
				_	LC_SEEP1	10	1.0%	52	-	1	0.8%	5	-

 $Sources: https://srk.sharepoint.com/sites/NACAPR002058/Internal/Task\%20200\%20-\%20Interpretation/CAPR002058_Loading_Calculations_rev0_amd.xlsx$

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¹ Due to the often-diffuse nature of seeps, seep flow measurements are inherently imprecise. The comparisons reported here should be regarded as semi-quantitative.

5.4 Elkview Operation

5.4.1 Overview

Seep monitoring locations at EVO at presented in Figure 14:. Seeps are color-coded by the comparison permitted surface water sampling location. Table 17 summarizes the seeps visited during the 2022 RSMP.

Table 17: 2022 EVO Seeps

Seep ID	Group Name	Comparison Permitted Surface Water Sampling Location	Permitted Surface Water Sampling Location Type	Notes	Seep Status
EV_SEEP_CFI3	EV_CCR	EV_LC1	DL	Dry June & Sept 2022	ACTIVE
EV_SEEP_CFI2	EV_CCR	EV_LC1	SW	-	ACTIVE
EV_SEEP_CFI1	EV_CCR	EV_LC1	SW	-	ACTIVE
EV_SEEP_10MILE9	EV_CEDARWR	EV_LC1	SW	-	ACTIVE
EV_SEEP_10MILE5	EV_CEDARWR	EV_LC1	SW	-	ACTIVE
EV_CN1	EV_CEDARWR	EV_LC1	SW	-	ACTIVE
EV_SEEP_PLANT23	EV_PLANT	EV_GC2	DL	-	ACTIVE
EV_SEEP_BREAKERLAKE	EV_BALDYRIDGEWR	EV_GC2	DL	-	ACTIVE
EV_SEEP_PLANT10	EV_PLANT	EV_GC2	DL	Dry Sept 2022	ACTIVE
EV_WLAGC	EV_CCR/TP	EV_GC2	DL	-	ACTIVE
EV_SEEP_PLANT11	EV_PLANT	EV_OC1	SW	-	ACTIVE
EV_SEEP_PLANT1	EV_PLANT	EV_OC1	SW	Dry Sept 2022	ACTIVE
EV_SPR1B	EV_SPARWOOD_RIDGE	EV_MC2	SW	-	ACTIVE
EV_SEEP_TURCON1	EV_BALDYRIDGEWR	EV_AQ6	DL	-	ACTIVE
EV_SEEP_HOPPER2	EV_BALDYRIDGEWR	EV_BC1	DL	-	ACTIVE
EV_SEEP_SOUTHPIT4	EV_SOUTHSLOPE	EV_TC1	SW	-	ACTIVE
EV_SEEP_SOUTHPIT3	EV_SOUTHSLOPE	EV_TC1	SW	-	ACTIVE
EV_SEEP_ERICKSON2	EV_ERICKSON_WR	EV_EC1	SW	-	ACTIVE
EV_SEEP_SOUTHPIT6	EV_SOUTHPIT_PIT	EV_SP1	DL	-	ACTIVE
EV_SEEP_ERICKSON1	EV_ERICKSON_WR	EV_EC1	SW	-	ACTIVE

Notes: Permitted surface water sampling location types are surface water (SW) or discharge location (DL).

Mann-Kendall trend analyses were completed for OC for seep samples with seven or more sampling events and are summarized in Table 18. A summary of Mann-Kendall trend analysis for all COIs is available in Appendix D.

The oxidation and MF influence categorization of seeps and modelled calcite and ferrihydrite saturation at EVO is summarised in Table 19.

Table 18: EVO – Summary of Mann-Kendall Trend Analysis for OC

Parameter Site ID	Dissolved Cadmium	Nitrate-N	Dissolved Selenium	Sulfate	Field pH
EV_SEEP_CFI3	-	-	-	-	-
EV_SEEP_CFI2	-	-	-	-	-
EV_SEEP_CFI1	-	No Trend	Stable	-	No Trend
EV_SEEP_10MILE9	Prob. Increasing	No Trend	No Trend	Increasing	Stable
EV_SEEP_10MILE5	No Trend	Stable	No Trend	Stable	Stable
EV_CN1	No Trend	Stable	Increasing	No Trend	Stable
EV_SEEP_PLANT23	Stable	No Trend	No Trend	Stable	Prob. Increasing
EV_SEEP_BREAKERLAKE	Stable	Stable	Stable	No Trend	Stable
EV_SEEP_PLANT10	-	-	No Trend	No Trend	Stable
EV_WLAGC	-	Prob. Increasing	-	Stable	No Trend
EV_SEEP_PLANT11	No Trend	-	Stable	No Trend	No Trend
EV_SEEP_PLANT1	No Trend	-	No Trend	Stable	Prob. Increasing
EV_SPR1B	No Trend	No Trend	No Trend	Stable	No Trend
EV_SEEP_TURCON1	-	No Trend	No Trend	Stable	No Trend
EV_SEEP_HOPPER2	No Trend	Stable	No Trend	No Trend	Prob. Decreasing
EV_SEEP_SOUTHPIT4	-	-	No Trend	No Trend	Stable
EV_SEEP_SOUTHPIT3	Stable	-	Decreasing	No Trend	No Trend
EV_SEEP_ERICKSON2	Stable	Prob. Decreasing	No Trend	Stable	No Trend
EV_SEEP_SOUTHPIT6	No Trend	No Trend	Decreasing	No Trend	Stable
EV_SEEP_ERICKSON1	No Trend	-	-	Prob. Increasing	Stable

Notes: "-" denotes trend analysis was not completed because of insufficient data or because concentrations of parameter have been consistently less than, or marginally greater than the detection limit. Where increasing trends are noted, the cell is shaded in orange.

5.4.2 Discussion

Summary

There are 20 RSMP seeps at EVO. The seeps will be discussed from North to South.

All seeps at EVO (except for EV_SEEP_PLANT10 discussed below) were categorized as oxic (Table 19). All seeps (except for EV_SEEP_ERICKSON1 and EV_SEEP_PLANT23 discussed below) were categorized as not MF influenced. Ferrihydrite was modelled and classified as oversaturated for all seeps at EVO except at EV_SEEP_TURCON1, EV_SEEP_PLANT10, and EV_SEEP_10MILE9. Modelled calcite SI indicate several seeps at EVO are categorized as oversaturated. Calcite precipitate presence in the field does not consistently correlate with calcite saturation categorization. Maps of modelled calcite saturation and presence during high and low flows in Figure 15 and Figure 16, respectively, show no apparent spatial trends for calcite saturation at EVO.

A comparison of average flows during high and low flows at each EVO seep, and its associated permitted surface water monitoring location is reported in Table 20. Five EVO seeps (EV_CN1, EV_SEEP_CFI1, EV_SEEP_CFI2, EV_SEEP_HOPPER2, and EV_SEEP_PLANT11 discussed below) have significant flow and loading estimates compared to their comparison permitted surface water monitoring location counterpart.

Erickson Seeps

EV_SEEP_ERICKSON1 and EV_SEEP_ERICKSON2 are downstream of the South Pit Spoil area and are compared to the EV_EC1 surface water monitoring location. Neither seep appears to have significantly high flow or sulfate load estimates compared to EV_EC1. EV_SEEP_ERICKSON2 has the highest dissolved uranium (average 17 μ g/L) concentrations of the EVO RSMP seeps (averages of 2.9 μ g/L uranium). In addition, EV_SEEP_ERICKSON2 has relatively elevated concentrations for the OCs and other COIs in comparison to the other EVO RSMP seeps. Apart from dissolved cobalt, EV_SEEP_ERICKSON1 (average 1.7 μ g/L) has lower concentrations compared to EV_SEEP_ERICKSON2 (average 0.39 μ g/L). Sulfate, nitrate-N, total selenium, and total uranium are consistently above the BC FWAL guidelines at both seeps (Appendix B). The same four parameters are also above BC FWAL guidelines at EV_EC1. Mann-Kendall analysis indicates that sulfate concentrations are probably increasing at EV_SEEP_ERICKSON1. EV_SEEP_ERICKSON1 has also been categorized as possibly MF influenced during low flows. Sulfate concentrations are concisely above 100 mg/L (average 460 mg/L) and Zn/Cd fluctuates close to 200 mg/mg (average 220 mg/mg). The field pH at EV_SEEP_ERICKSON1 is neutral (average 7.5 pH units).

South Pit Seeps

EV_SEEP_SOUTHPIT6 is downstream of the South Pit Spoil and compared to the EV_SP1 surface water monitoring location. EV_SEEP_SOUTHPIT6 estimated sulfate load comes up to 15% compared to EV_SP1 (Table 20). Sulfate (1,650 mg/L) and total selenium (140 μ g/L) concentrations are consistently above the BC FWAL guidelines. Sulfate and total selenium concentrations are also above the BC FWAL guidelines at EV_SP1. Dissolved selenium concentrations indicate a decreasing trend

based on Mann-Kendall analysis. Based on calcite SI modelling, EV_SEEP_SOUTHPIT6 has been categorized as oversaturated and potentially oversaturated during high and low flows, respectively. Calcite presence has historically been observed at this seep and was observed during 2022 high flows sampling. EV_SEEP_SOUTHPIT6 has relatively elevated TDS (2,560 mg/L), sulfate (1,650 mg/L), and dissolved uranium (6.5 μ g/L) concentrations compared to other EVO RSMP seeps (averages of 1,010 mg/L TDS, 460 mg/L sulfate, and 2.9 μ g/L uranium).

EV_ SEEP_SOUTHPIT3 and EV_ SEEP_SOUTHPIT4 are downstream of the South Slope area and compared to the EV_TC1 surface water monitoring location. Based on a semi-quantitative analysis, neither seep has relatively high flows or sulfate load compared to EV_TC1 estimates. Total selenium concentrations are above the BC FWAL guideline at EV_ SEEP_SOUTHPIT3 (average 5.3 μ g/L). selenium concentrations are not likely to increase further above the BC FWAL guideline as Mann-Kendall analysis indicates a decreasing trend for dissolved selenium concentrations at EV_ SEEP_SOUTHPIT3. Total selenium concentrations are above the BC FWAL guideline at EV_TC1 (average 9.5 μ g/L).

Baldy Ridge Seeps

EV_SEEP_HOPPER2 is downstream of the Sunshine Spoil area and compared to the EV_BC1 surface water monitoring location. The semi-quantitative loading and flow analysis indicates that EV_SEEP_HOPPER2 high flow average sulfate loadings are 18% compared to EV_BC1 high flow average sulfate loadings. Sulfate, total cobalt, total selenium, and total uranium concentrations are consistently above the BC FWAL guidelines. Concentrations for these parameters at EV_BC1 are also above the BC FWAL guidelines. Field pH shows a probably decreasing trend based on Mann-Kendall analysis, no other notable trends are noted. Besides EV_SEEP_ERICKSON2, EV_SEEP_HOPPER2 has the highest concentrations of TDS (average 2,870 mg/L), nitrate (20 mg/L-N), sulfate (1,830 mg/L), dissolved cadmium (9.0 μ g/L), dissolved cobalt (2.4 μ g/L), dissolved nickel (37 μ g/L), dissolved selenium (570 μ g/L), and dissolved uranium (15 μ g/L) compared to the other EVO RSMP seeps. Concentrations are relatively elevated for all COI. Calcite SI modelling indicates that EV_SEEP_HOPPER2 is potentially oversaturated during high flows. However, calcite presence has never been observed in the field at this seep.

EV_SEEP_TURCON1 is also downstream of the Baldy Ridge waste rock area but upstream of the EV_AQ6 surface water monitoring location. Concentrations are relatively low at this seep, Mann-Kendall analysis indicates dissolved uranium concentrations are probably increasing.

EV_SEEP_BREAKERLAKE also lies within the Baldy Ridge waste rock area, upstream of the EV_GC2 surface water monitoring location. All OC concentrations are stable or not trending based on Mann-Kendall analysis. Field pH shows a seasonal trend at EV_SEEP_BREAKERLAKE, with lower pH during low flows. Higher dissolved nickel concentrations coincide with lower pH values. In contrast, dissolved antimony concentrations are higher during high flows at EV_SEEP_BREAKERLAKE. EV_SEEP_BREAKERLAKE was categorized as oversaturated based on calcite SI modelling. No calcite precipitate presence has been historically observed at this seep.

EVO Plant Seeps

One seep within the EVO plant area (EV_SEEP_PLANT23) is compared to the EV_GC2 surface water monitoring location. Sulfate concentrations (average 430 mg/L) are consistently above the BC FWAL guideline at EV_SEEP_PLANT23 and total selenium concentrations (average 14 µg/L) are also above the BC FWAL guideline. At EV_GC2, total selenium concentrations (50 µg/L) are consistently above the BC FWAL guideline. All OC concentrations show a stable trend, or no trend based on Mann-Kendall analysis. Field pH shows a probably increasing trend. EV_SEEP_PLANT23 has been consistently categorized as potentially MF influenced. Sulfate concentrations are consistently above 100 mg/L (average 430 mg/L) and Zn/Cd is consistently above 200 mg/mg (4,600 mg/mg). However, the field pH at EV_SEEP_PLANT23 continues to be neutral (average 7.5 pH units). Calcite SI modelling has also categorized EV_SEEP_PLANT23 as potentially oversaturated during low flows. Calcite presence in the field has been consistently noted each year since 2019.

Three seeps in the EVO Plant area (EV_SEEP_PLANT1, EV_SEEP_PLANT10, and EV_SEEP_PLANT11) are upstream of the EV_OC1 surface water location. EV_SEEP_PLANT1 and EV_SEEP_PLANT10 do not appear to significantly contribute flow or sulfate load to EV_OC1. Low flow average sulfate loading at EV_SEEP_PLANT11 is estimated to be 20% compared to low flow average sulfate loading at EV_OC1. No OC concentrations show increasing trends based on Mann-Kendall analysis. Field pH shows a probably increasing trend. Based on calcite SI modelling, EV_SEEP_PLANT1 is potentially oversaturated during high flows and EV_SEEP_PLANT11 is potentially oversaturated during high flows. Calcite presence in the field has not been consistently noted at either seep. EV_SEEP_PLANT10 was categorized as potentially suboxic during high flows.

EVO CCR Seeps

EV_WLAGC is downstream of the EVO CCR area compared to the EV_GC2 surface water monitoring location. Based on Mann-Kendall analysis, nitrate-N concentrations are probably increasing; however, nitrate-N concentrations are relatively low (average 0.02 mg/L-N).

Three seeps (EV_CFI1, EV_CFI2, and EV_CFI3) within the EVO CCR area are compared to the EV_LC1 surface water monitoring location. In Table 20, EV_SEEP_CFI1 and EV_SEEP_CFI2 are estimated to have a relatively large portion of flow and sulfate load compared to EV_LC1. EV_SEEP_CFI1 has flows up to 44% compared to EV_LC1 flows and EV_SEEP_CFI2 has flows up to 33% and sulfate loads up to 44% compared to EV_LC1 estimate flows and sulfate loading. No OC concentrations show increasing trends based on Mann-Kendall analysis. Calcite SI modelling indicates that all three seeps are oversaturated. Calcite presence has been observed at each seep, but not consistently each year.

Cedar Seeps

There are three seeps (EV_CN1, EV_SEEP_10MILE5, EV_SEEP_10MILE9) within the Cedar waste rock area, upstream of the EV_LC1 surface water monitoring location. In Table 20, EV_CN1 is estimated to contribute over 100% of flow and sulfate load to the downstream EV_LC1 location. As

with other seeps that are estimated to contribute a significant percentage of flow and/or load, flow rates at these seeps may have a high degree of uncertainty due to the challenge of measuring diffuse flow accurately. Total selenium concentrations at EV_CN1 and EV_SEEP_10MILE5 are consistently above the BC FWAL guideline (averages of 170 and 47 µg/L, respectively). Dissolved selenium concentrations at EV_CN1 are increasing based on Mann-Kendall analysis. At EV_SEEP_10MILE9, dissolved cadmium concentrations are probably increasing, and sulfate concentrations are increasing. Dissolved uranium concentrations are increasing at all three seeps. Downstream at EV_LC1, total selenium concentrations are sometimes above the BC FWAL guideline (average 3.3 µg/L). EV_SEEP_10MILE9 has the lowest field pH of the EVO RSMP seeps (average 6.4 pH units). However, this seep has not been categorized as potentially MF influenced. EV_SEEP_10MILE9 does show relatively elevated dissolved cadmium concentrations. Based on calcite SI modelling, EV_CN1 has been categorized as potentially oversaturated during low flows and EV_SEEP_10MILE5 has been categorized as potentially oversaturated during high flows and oversaturated during low flows. Calcite precipitate has historically been observed at both seeps, but no precipitate was observed during 2022 sampling.

Sparwood Ridge Seeps

EV_SPR1B is a new seep added to the RSMP in 2021, upstream of the EV_MC2 surface water monitoring location. Total selenium concentrations are sometimes above the BC FWAL guideline (average 6.0 μg/L). However, Mann-Kendall analysis indicates no dissolved selenium trending. Total selenium concentration downstream at EV_MC2 are above the BC FWAL guideline (average 12 μg/).

Table 19: Summary of Trends and Controls on Water Quality for Seeps at EVO

Seep ID	Group Name	Flow Period	Oxidation Category	MF Influence	Calcite Status (CaCO₃ aq)	Calcite (CaCO₃ aq) SI	Calcite Precipitate Presence (2022) ¹	Ferrihydrite Status	OC and field pH Mann-Kendall Trend ²	Seasonality ³	Parameters Above FWAL BCWQGs ³
EV_SEEP_CFI3	EV_CCR	High Flow	Oxic	Not MF Influenced	Oversaturated	1	-	Oversaturated	_	_	_
LV_SLLF_OFIS	EV_CON	Low Flow	No Samples	No Samples	No Samples	-	-	No Samples	•	-	-
EV_SEEP_CFI2	EV_CCR	High Flow	Oxic	Not MF Influenced	Oversaturated	1.1	Yes	Oversaturated			
EV_SEEP_CFI2	EV_CCR	Low Flow	Oxic	Not MF Influenced	Oversaturated	0.93	Yes	Oversaturated	- -	-	-
EV_SEEP_CFI1	EV CCB	High Flow	Oxic	Not MF Influenced	Oversaturated	0.92	No	Oversaturated			
EV_SEEP_CFII	EV_CCR	Low Flow	Oxic	Not MF Influenced	Not determined	0.67	-	Potentially Oversaturated	- -	-	-
EV SEED 40MILEO	EV CEDADWD	High Flow	Oxic	Not MF Influenced	Undersaturated	-1.5	No	Potentially at Equilibrium	Increasing SO ₄		
EV_SEEP_10MILE9	EV_CEDARWR	Low Flow	Oxic	Not MF Influenced	Undersaturated	-1.1	No	Potentially at Equilibrium	Prob. Increasing Cd-D	-	-
EV CEED AOMILEE	EV CEDADADA	High Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.82	No	Oversaturated			Co T
EV_SEEP_10MILE5	EV_CEDARWR	Low Flow	Oxic	Not MF Influenced	Oversaturated	0.97	No	Not determined	- -	-	Se-T
		High Flow	Oxic	Not MF Influenced	Not determined	0.56	No	Potentially Oversaturated		-	
EV_CN1	EV_CEDARWR	Low Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.63	No	Oversaturated	Increasing Se-D	Higher TDS, NO ₃ -N, SO ₄ , Ni-D, Se-D, U-D	SO ₄ , Se-T
EV CEED DI ANITOS	EV DI ANT	High Flow	Oxic	Possibly MF Influenced	Potentially Undersaturated	0.47	Yes	Potentially Oversaturated	Prob. Decreasing	-	00 C- T
EV_SEEP_PLANT23	EV_PLANT	Low Flow	Oxic	Possibly MF Influenced	Potentially Oversaturated	0.75	Yes	Oversaturated	field pH	Higher Sb	- SO ₄ , Se-T
EV OFER RREALENIAVE	EV DALDVDIDGEWD	High Flow	Oxic	Not MF Influenced	Oversaturated	0.7	No	Oversaturated		Higher Sb	
EV_SEEP_BREAKERLAKE	EV_BALDYRIDGEWR	Low Flow	Oxic	Not MF Influenced	Potentially Undersaturated	0.54	No	Oversaturated	<u>-</u>	Lower pH, Higher Ni	
EV CEED DI ANITAO	EV DI ANT	High Flow	Potentially Suboxic	Potentially Not MF Influenced	Potentially Undersaturated	0.48	No	Potentially at Equilibrium		-	
EV_SEEP_PLANT10	EV_PLANT	Low Flow	Potentially Oxic	Not MF Influenced	Undersaturated	0.46	-	Not determined	<u>-</u>	Higher Ni-D	-
		High Flow	Oxic	Not MF Influenced	Undersaturated	0.54	No	Oversaturated	Prob. Increasing	Higher TDS, SO ₄	
EV_WLAGC	EV_CCR/TP	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.32	No	Oversaturated	NO ₃ -N	Higher NO ₃ -N, Co-D, Ni-D	-
EV_SEEP_PLANT11	EV_PLANT	High Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.7	Yes	Oversaturated		Higher U-D	
EV_SEEP_PLAINTTI	EV_PLANT	Low Flow	Oxic	Potentially Not MF Influenced	Potentially Oversaturated	0.82	No	Not determined	<u>-</u>	-	- -
EV CEED DI ANTA	EV DI ANT	High Flow	Oxic	Potentially Not MF Influenced	Potentially Oversaturated	0.71	No	Oversaturated	Prob. Decreasing		
EV_SEEP_PLANT1	EV_PLANT	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.5	-	Oversaturated	field pH	-	-
EV ODDAD	EV ODADWOOD DIDOE	High Flow	Oxic	Potentially Not MF Influenced	Undersaturated	0.39	-	Oversaturated		Higher Se-D	O- T
EV_SPR1B	EV_SPARWOOD_RIDGE	Low Flow	Oxic	Not MF Influenced	Potentially Undersaturated	0.49	-	Potentially Oversaturated		Higher TDS	- Se-T
EV OFFR TUROCNY	EV DALDVOIDOEVE	High Flow	Oxic	Not MF Influenced	Undersaturated	0.065	No	Equilibrium			
EV_SEEP_TURCON1	EV_BALDYRIDGEWR	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.076	No	Potentially Undersaturated	-	-	-
	EV DAI DV2:= 0=:	High Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.6	No	Oversaturated	Prob. Decreasing	-	SO ₄ , NO ₃ -N,
EV_SEEP_HOPPER2	EV_BALDYRIDGEWR	Low Flow	Oxic	Not MF Influenced	Potentially Undersaturated	0.5	No	Oversaturated	field pH	Higher NO ₃ -N, Co-D	- Se-T, U-T, Co- T

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Seep ID	Group Name	Flow Period	Oxidation Category	MF Influence	Calcite Status (CaCO₃ aq)	Calcite (CaCO₃ aq) SI	Calcite Precipitate Presence (2022) ¹	Ferrihydrite Status	OC and field pH Mann-Kendall Trend ²	Seasonality ³	Parameters Above FWAL BCWQGs ³
EV_SEEP_SOUTHPIT4	EV_SOUTHSLOPE	High Flow	Oxic	Not MF Influenced	Undersaturated	0.23	No	Oversaturated		Higher U-D	
EV_SEEP_SOUTHFIT4	EV_3001H3LOPE	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.25	-	Oversaturated		-	- -
EV SEED SOUTUDITS	EV_SOUTHSLOPE	High Flow	Oxic	Not MF Influenced	Potentially Undersaturated	0.55	No	Oversaturated		Higher Se-D	
EV_SEEP_SOUTHPIT3	EV_SOUTHSLOPE	Low Flow	Oxic	Not MF Influenced	Not determined	0.69	-	Oversaturated		-	- -
EV SEED EDICKSONS	EV_ERICKSON_WR	High Flow	Oxic	Potentially Not MF Influenced	Potentially Undersaturated	0.78	No	Oversaturated		-	SO ₄ , NO ₃ -N,
EV_SEEP_ERICKSON2	EV_ERICKSON_WR	Low Flow	Oxic	Potentially Not MF Influenced	Potentially Undersaturated	0.41	No	Oversaturated		Higher Cd-D	Se-T, U-T
EV CEED COUTURITO	EV COLITIIDIT DIT	High Flow	Oxic	Not MF Influenced	Oversaturated	1	Yes	Oversaturated		-	00 Ca T
EV_SEEP_SOUTHPIT6	EV_SOUTHPIT_PIT	Low Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.71	No	Oversaturated		Lower pH, SO ₄ , Cd-D	SO ₄ , Se-T
EV SEED EDICKSONA	EV EDICKSON WD	High Flow	Potentially Oxic	Not Determined	Undersaturated	0.16	No	Oversaturated			SO ₄
EV_SEEP_ERICKSON1	EV_ERICKSON_WR	Low Flow	Oxic	Possibly MF Influenced	Undersaturated	0.15	-	Potentially Oversaturated		-	30 ₄

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Notes: Categorizations labelled as "Not Determined" indicate a seep where an equal number of instances occurred for each category, so classification could not be determined.

1 "-" calcite presence (2022) denotes that the seep was visited, but no calcite presence field notes were made. Low flow calcite observations were conducted in July 2022.

2 "Stable or decreasing" indicates that Cd-D, NO₃-N, Se-D, and SO₄ concentrations show stable, no trend, or decreasing trends while field pH shows a stable trend or no trend. "-" denotes that there was insufficient data to conduct trend analysis.

3 "-" for seasonality denotes that no seasonality has been visually identified and for parameters above FWAL BCWQGs "-" indicates that no COIs were identified as above FWAL BCWQGs.

Table 20: Average seasonal flow and SO₄ load for EVO seeps and comparison permitted surface water monitoring locations

Permitted		Surface Water		Surface Water					Seep	Flow ¹			
Surface Water		Location Flow 1 ³ /d)		Location SO ₄ d (kg/d)	Seep Location	High	n Flow	Lov	v Flow	High	Flow	Low	Flow
Monitoring Location	High Flow	Low Flow	High Flow	Low Flow	·	Flow (m ³ /d)	% of Permitted Location Flow	Flow (m ³ /d)	% of Permitted Location Flow	SO ₄ Load (kg/d)	% of Permitted Location Load	SO ₄ Load (kg/d)	% of Permitted Location Load
EV_AQ6	-	-	-	-	EV_SEEP_TURCON1	40	-	52	-	2.5	-	6.1	-
EV_BC1	770	930	580	700	EV_SEEP_HOPPER2	49	6.5%	33	3.5%	110	18%	81	12%
EV_EC1	20,000	14,000	14,000	10,000	EV_SEEP_ERICKSON1	150	0.72%	210	1.5%	70	0.49%	100	1.0%
				-	EV_SEEP_ERICKSON2	67	0.33%	15	0.11%	110	0.76%	28	0.28%
EV_GC2	5,100	2,900	1,100	830	EV_SEEP_BREAKERLAKE	-	-	-	-	-	-	-	-
				-	EV_SEEP_PLANT23	17	0.33%	12	0.41%	6.9	0.63%	5.5	0.66%
				_	EV_WLAGC	260	5.1%	130	4.4%	7.8	0.71%	3.1	0.38%
EV_LC1	240	200	16	13	EV_CN1	1600	700%	1700	840%	390	2400%	670	5000%
				-	EV_SEEP_10MILE5	3.5	1.5%	0.9	0.45%	1.2	7.4%	0.36	2.7%
				-	EV_SEEP_10MILE9	8.3	3.5%	27	14%	0.1	0.61%	0.31	2.3%
				_	EV_SEEP_CFI1	100	44%	57	29%	0.064	0.39%	0.049	0.37%
				-	EV_SEEP_CFI2	77	33%	59	29%	7.1	44%	3	23%
				-	EV_SEEP_CFI3	3.3	1.4%	-	-	0.5	3.1%	-	-
EV_MC2	1,500,000	220,000	130,000	32,000	EV_SPR1B	3.2	0.0002%	9.3	0.004%	0.37	0.0003%	1.2	0.004%
EV_OC1	800	360	61	15	EV_SEEP_PLANT10	1.3	0.17%	1.7	0.49%	0.85	1.4%	0.72	4.7%
				-	EV_SEEP_PLANT1	14	1.7%	3.7	1.0%	1.3	2.1%	0.39	2.6%
				_	EV_SEEP_PLANT11	26	3.2%	15	4.1%	4.7	7.7%	3	20%
EV_SP1	910	670	560	470	EV_SEEP_SOUTHPIT6	51	5.6%	43	6.5%	77	14%	70	15%
EV_TC1	1,200	430	60	30	EV_SEEP_SOUTHPIT3	20	1.7%	8.7	2.1%	1.3	2.2%	0.73	2.5%
					EV_SEEP_SOUTHPIT4	28	2.3%	27	6.3%	0.11	0.18%	0.022	0.07%

¹ Due to the often-diffuse nature of seeps, seep flow measurements are inherently imprecise. The comparisons reported here should be regarded as semi-quantitative.

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5.5 Coal Mountain Mine

5.5.1 Overview

Seep monitoring locations at CMm are presented in Figure 17. Seeps are color-coded by the comparison permitted surface water sampling location. Table 21 summarizes the seeps visited during the 2022 RSMP.

Table 21: 2022 CMm Seeps

Seep ID	Group Name	Comparison Permitted Surface Water Sampling Location	Permitted Surface Water Sampling Location Type	Notes	Seep Status
CM_37PIT-SEEP-E	CM_37PIT	CM_SPD	DL	-	ACTIVE
CM_37PIT-SEEP-W	CM_37PIT	CM_SPD	DL	-	ACTIVE
CM_WD4	CM_WESTWR	CM_SPD	DL	-	ACTIVE
CM_WD7	CM_WESTWR	CM_SPD	DL	-	ACTIVE
CM_WD15-SOURCE	CM_WESTWR	CM_SPD	DL	-	ACTIVE
CM_WD18	CM_WESTWR	CM_SPD	DL	-	ACTIVE
CM_WD19	CM_WESTWR	CM_SPD	DL	-	ACTIVE
CM_MM-SEEP3	CM_MMCCR	CM_SPD	DL	-	ACTIVE
CM_NS1	CM_EASTWR	CM_SPD	DL	-	ACTIVE
CM_NS7	CM_MMCCR	CM_SPD	DL	-	ACTIVE
CM_NS4	CM_MMCCR	CM_SPD	DL	-	ACTIVE
CM_MM-SEEP1	CM_MMCCR	CM_CC1	DL	-	ACTIVE
CM_MM-SEEP5	CM_MMCCR	CM_SPD	DL	-	ACTIVE
CM_PLANT-SEEP1	CM_EASTWR	CM_SPD	DL	-	ACTIVE
CM_CCDS	CM_EASTWR	CM_CCOFF	DL	Dry Sept 2022	ACTIVE
CM_CS1	CM_EASTWR	CM_CCOFF	DL	-	ACTIVE

Notes: Permitted surface water sampling location types are surface water (SW) or discharge location (DL).

Mann-Kendall trend analyses were completed for OC for seep samples with seven or more sampling events and are summarized in Table 22. A summary of Mann-Kendall trend analysis for all COIs is available in Appendix D.

The oxidation and MF influence categorization of seeps and modelled calcite and ferrihydrite saturation at CMm are summarised in Table 23.

Table 22: CMm – Summary of Mann-Kendall Trend Analysis for OC

Parameter Site ID	Dissolved Cadmium	Nitrate-N	Dissolved Selenium	Sulfate	Field pH
CM_37PIT-SEEP-E	Stable	Stable	No Trend	Decreasing	Prob. Increasing
CM_37PIT-SEEP-W	Decreasing	No Trend	No Trend	Decreasing	Increasing
CM_WD4	No Trend	Stable	Stable	No Trend	Stable
CM_WD7	Stable	No Trend	Stable	No Trend	No Trend
CM_WD15-SOURCE	-	-	-	-	-
CM_WD18	No Trend	No Trend	Stable	Stable	No Trend
CM_WD19	Stable	Stable	Stable	No Trend	No Trend
CM_MM-SEEP3	-	-	Stable	Stable	No Trend
CM_NS1	Decreasing	No Trend	No Trend	No Trend	No Trend
CM_NS7	Stable	No Trend	No Trend	No Trend	No Trend
CM_NS4	Stable	Stable	Prob. Decreasing	Stable	Stable
CM_MM-SEEP1	Prob. Increasing	Stable	Stable	Stable	No Trend
CM_MM-SEEP5	-	-	-	-	-
CM_PLANT-SEEP1	-	-	Stable	Decreasing	No Trend
CM_CCDS	-	-	-	-	-
CM_CS1	Prob. Increasing	No Trend	No Trend	No Trend	Stable
CM_MM-SEEP5	-	-	-	-	-

Notes: "-" denotes trend analysis was not completed because of insufficient data or because concentrations of parameter have been consistently less than, or marginally greater than the detection limit. Where increasing trends are noted, the cell is shaded in orange.

5.5.2 Discussion

Summary

Six CMm seeps were categorized as potentially suboxic or suboxic (Table 23). Seven seeps were categorized as potentially MF influenced. Ferrihydrite was modelled and classified as oversaturated for all seeps at CMm. Modelled calcite saturated was categorized as oversaturated at ten CMm seeps. Maps of modelled calcite saturation and field presence during high and low flows in Figure 18 and Figure 19, respectively, show a spatial east-west divide of calcite saturation categorization during low flows at CMm, with more calcite observed along the west side of the facility.

A comparison of average flows during high and low flows at each CMm seep, and its associated permitted surface water monitoring location is reported in Table 24. No CMm seeps contribute significantly to their comparison permitted surface water monitoring location counterparts.

37 Pit Seeps

Two seeps (CM_37PIT-SEEP-E and CM_37PIT-SEEP-W) are downstream of CMm's 37 Pit and upstream of CM_SPD. Sulfate (average of 560 mg/L at CM_37PIT-SEEP-E and 450 mg/L at CM_37PIT-SEEP-W) and total cobalt concentrations (average of 41 μg/L at CM_37PIT-SEEP-E and 30 μg/L at CM_37PIT-SEEP-W) are consistently above the BC FWAL guideline at both these seeps. Concentrations for sulfate and total cobalt are also above BC FWAL guidelines downstream at CM_SPD (average 710 mg/L for sulfate and 23 μg/L for total cobalt). CM_37PIT-SEEP-E has been categorized as potentially suboxic during high and low flows. Sulfate concentrations fluctuate around 500 mg/L (average 550 mg/L) and Se/SO₄ is consistently below 1x10⁻⁵ mol/ml (average 8.6x10⁻⁷ mol/mol). CM_37PIT-SEEP-E and CM_37PIT-SEEP-W have been categorized as potentially possibly MF influenced or possibly MF influenced. Field pH at both seeps continues to be neutral (CM_37PIT-SEEP-E average 7.4 and CM_37PIT-SEEP-W average 7.6 pH units). Sulfate concentrations at both seeps are consistently above 100 mg/L, averaging 450 mg/L at CM_37PIT-SEEP-W and 560 mg/L at CM_37PIT-SEEP-E. Zn/Cd fluctuates around 200 mg/mg (average 430 mg/mg) at CM_37PIT-SEEP-E, and is consistently above (average 510 mg/mg) at CM_37PIT-SEEP-W.

West Seeps

Five seeps (CM_WD4, CM_WD7, CM_WD15-SOURCE, CM_WD18, CM_WD19) are downstream of the CMm West waste rock area and upstream of CM_SPD. Sulfate and total selenium concentrations at all five seeps are consistently above the BC FWAL guidelines. CM_WD15-SOURCE was categorized as suboxic during both high and low flows. CM_WD19 was categorized as potentially suboxic during both high and low flows. Sulfate concentrations are consistently above 500 mg/L at all both seeps (average 1,420 mg/L at CM_WD15-SOURCE and 1,040 mg/L at CM_WD19). Se/SO4 is consistently below 1x10⁻⁵ mol/mol at CM_WD19 (average 7.9x10⁻⁵ mol/mol) and CM_WD15-SOURCE (average 8.4 x10⁻⁶ mol/mol). Based on calcite SI modelling, all five seeps are oversaturated during low flows. Calcite presence has not been observed at CM_WD4 but has been consistently observed at the four other seeps in this area.

East Seeps

Two seeps (CM_PLANT-SEEP1 and CM_NS1) are downstream of CMm's East waste rock area and upstream of CM_SPD. Sulfate and total selenium concentrations at CM_NS1 are consistently above BC FWAL guidelines (average 1,400 mg/L sulfate and 18 µg/L total selenium). Total cobalt concentrations are above BC FWAL guidelines at CM_PLANT-SEEP1 (average 5.2 µg/L). CM_PLANT-SEEP1 has been categorized as possibly MF influenced. Sulfate concentrations are consistently above 100 mg/L (average 370 mg/L) and Zn/Cd is consistently above 200 mg/mg (average 1,880 mg/mg). The field pH at CM_PLANT-SEEP1 is neutral (average 7.2 pH units). Calcite SI modelling indicates that CM_PLANT-SEEP1 is potentially oversaturated and CM_NS1 is

oversaturated. Calcite presence has been reported at this CM_NS1 during 2021 low flow sampling and 2022 high flow sampling. Calcite precipitate presence has not been consistently observed at CM_PLANT-SEEP1.

CM_CS1 and CM_CCDS are downstream of the East waste rock area and upstream of the CM_CCOFF surface water monitoring location. Total selenium and nitrate-N concentrations are above the BC FWAL guidelines (average 130 mg/L sulfate and 5.2 µg/L total selenium) at CM_CS1. Total selenium concentrations are above the BC FWAL guidelines (5.4 µg/L) at CM_CCDS. Nitrate-N concentrations at CM_CS1 are the highest across the CMm RSMP seeps (average 3.0 mg/L-N at CM_CS1 compared to 0.56 mg/L-N). In contrast, dissolved metal concentrations at CM_CS1 are relatively low compared to the other CMm RSMP seeps. Mann-Kendall analysis indicates that dissolved cadmium concentrations at CM_CS1 are probably increasing.

CMm CCR Seeps

Five seeps (CM_NS4, CM_NS7, CM_MM-SEEP1, CM_MM-SEEP3, and CM_MM-SEEP5) are downstream of the CCR area. CM_MM-SEEP1 is upstream of CM_CC1. CM_NS4, CM_NS7, and CM_MM-SEEP5 are upstream of CM_SPD. CM_MM-SEEP3 is not upstream of CM_SPD. However, CM_SPD is still the most appropriate permitted surface water comparison point for CM_MM-SEEP3. All five seeps have sulfate concentrations above the BC FWAL guideline. CM_NS4, CM_NS7 and CM_MM-SEEP1 have total selenium concentrations above the BC FWAL guideline. Total cobalt concentrations at CM_MM-SEEP5 are above the BC FWAL guideline. Mann-Kendall analysis indicates that dissolved cadmium concentrations are probably increasing at CM_MM-SEEP1. CM_MM-SEEP3 is the only seep within the area with a suboxic categorization. CM_MM-SEEP3 sulfate concentrations are consistently above 500 mg/L (average 770 mg/L) and Se/SO₄ is consistently below 1x10⁻⁵ mol/mol (average 5.3x10⁻⁷ mol/mol). Calcite SI modelling indicates oversaturation at CM_NS4, CM_NS7 and CM_MM-SEEP3. Calcite presence has been observed at every seep except CM_NS7.

Table 23: Summary of Trends and Controls on Water Quality for Seeps at CMm

Seep ID	Group Name	Flow Period	Oxidation Category	MF Influence	Calcite Status (CaCO₃ aq)	Calcite (CaCO₃ aq) SI	Calcite Precipitate Presence (2022) ¹	Ferrihydrite Status	OC and field pH Mann-Kendall Trend ²	Seasonality ³	Parameters Above FWAL BCWQGs ³	
0M 07DIT 055D 5	OM OZDIT	High Flow	Potentially Suboxic	Potentially Not MF Influenced	Undersaturated	0.086	No	Oversaturated		Lower pH, Higher TDS, Cd-D, Co-D, Ni-D	20 0 7	
CM_37PIT-SEEP-E	CM_37PIT	Low Flow	Potentially Suboxic	Potentially Possibly MF Influenced	Potentially Undersaturated	0.46	-	Potentially Oversaturated	-	-	SO ₄ , Co-T	
CM_37PIT-SEEP-W	CM_37PIT	High Flow	Potentially Oxic	Possibly MF Influenced	Potentially Undersaturated	0.47	Yes	Potentially Oversaturated		_	Co-T	
OW_OTT TO DEET W	OW_07111	Low Flow	Not Determined	Potentially Not MF Influenced	Potentially Undersaturated	0.55	-	Potentially Oversaturated			00 1	
CM_WD4	CM_WESTWR	High Flow	Oxic	Not MF Influenced	Undersaturated	0.4	No	Oversaturated	_	Higher Cd-D, Ni-D, Se-D	SO ₄ , Se-T	
CIM_VVD4	CW_WESTWK	Low Flow	Oxic	Not MF Influenced	Oversaturated	0.93	No	Not determined	-	Higher TDS	304, 3e-1	
CM_WD7	CM_WESTWR	High Flow	Oxic	Not MF Influenced	Undersaturated	0.39	No	Oversaturated	_	Lower pH, Higher Sb-D, Cd-D, Se-D	Se-T	
OW_WD7	OM_WEGTWIK	Low Flow	Oxic	Not MF Influenced	Oversaturated	1.1	-	Oversaturated		-	OC-1	
CM WD45 COURCE	CM WESTMD	High Flow	Suboxic	Not MF Influenced	Undersaturated	-	Yes	Undersaturated				
CM_WD15-SOURCE	CM_WESTWR Low Flow		Suboxic	Not Determined	Oversaturated	1	Yes	Oversaturated	-	-	-	
CM WD40	High Flow		Oxic	Not MF Influenced	Oversaturated	0.89	Yes	Oversaturated		Higher Cd-D	CO C- T	
CM_WD18	CM_WESTWR	Low Flow	Oxic Not MF Influenced C		Oversaturated	1	Yes	Oversaturated	-	Higher U-D	SO ₄ , Se-T	
	CM_WESTWR	· ·		Potentially Suboxic	Potentially Not MF Influenced	Potentially Oversaturated	1.1	Yes	Oversaturated		Higher Cd-D	20. C- T
CM_WD19		Low Flow Pote		Potentially Possibly MF Influenced	Oversaturated	0.96	Yes	Oversaturated	-	Higher TDS	SO ₄ , Se-T	
CM_MM-SEEP3	CM_MMCCR	High Flow	Suboxic	Not MF Influenced	Oversaturated	0.93	Yes	Oversaturated		Higher SO ₄	80.	
CIVI_IVIIVI-SEEFS	CIVI_IVIIVICCR	Low Flow	Suboxic	Not MF Influenced	Oversaturated	1	Yes	Potentially Undersaturated	-	-	SO ₄	
CM_NS1	CM FACTIME	High Flow	Oxic	Not MF Influenced	Potentially Oversaturated	0.69	Yes	Oversaturated		Higher Cd-D, Se-D	20. So T	
CIM_NST	CM_EASTWR	Low Flow	Potentially Oxic	Not MF Influenced	Oversaturated	0.99	No	Oversaturated	-	Higher TDS, SO ₄	SO ₄ , Se-T	
		High Flow	Oxic	Not MF Influenced	Oversaturated	0.84	No	Oversaturated		Higher Sb-D, Cd-D, Se-D		
CM_NS7	CM_MMCCR	Low Flow	Potentially Suboxic	Potentially Possibly MF Influenced	Oversaturated	0.91	No Oversaturated		-	Higher U-D	SO ₄ , Se-T	
CM NSA	CM_MMCCR	High Flow	Oxic	Not MF Influenced	Oversaturated	0.88	Yes	Oversaturated	_	Higher NO ₃ -N, Sb-D, Se- D	SO ₄ , Se-T	
CIVI_INO4		Low Flow	Potentially Suboxic	Not MF Influenced	Oversaturated	0.94	No	Potentially Oversaturated	-	Higher TDS	3U4, 3E-1	
CM_MM-SEEP1	CM_MMCCR	High Flow	Oxic	Not MF Influenced	Undersaturated	0.41	Yes	Oversaturated	Prob. Increasing		Se-T	
GIVI_IVIIVI-GEEF I	OWI_WINGOR	Low Flow	Oxic	Not MF Influenced	Potentially Undersaturated	0.48	Yes	Oversaturated Cd-D				
CM MM-SEEDS		High Flow	Oxic	Not MF Influenced	Undersaturated	0.099	Yes	Oversaturated			SO, Co T	
CM_MM-SEEP5 CM_MMCCR —		Low Flow	Oxic Possibly MF Influenced Unders		Undersaturated	0.56 Yes Oversaturated		-	-	SO ₄ , Co-T		

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Seep ID	Group Name	Flow Period	Oxidation Category	MF Influence	Calcite Status (CaCO₃ aq)	Calcite (CaCO₃ aq) SI	Calcite Precipitate Presence (2022) ¹	Ferrihydrite Status	OC and field pH Mann-Kendall Trend ²	Seasonality ³	Parameters Above FWAL BCWQGs ³
CM DIANT CEEDA	CM_PLANT-SEEP1 CM_EASTWR —	High Flow	Oxic	Possibly MF Influenced	Undersaturated	0.28	No	Potentially Oversaturated			0.7
CM_PLANT-SEEPT		Low Flow	Oxic	Possibly MF Influenced	Undersaturated	0.24	No	Potentially Oversaturated	-	-	Co-T
CM CCDS	CM_CCDS CM_EASTWR	High Flow	Oxic	Not MF Influenced	Undersaturated	-0.052	-	Oversaturated		-	Se-T
CIM_CCDS		Low Flow	No Samples	No Samples	No Samples	-	-	No Samples	-		
CM_CS1 CM_EASTWR	High Flow	Oxic	Not MF Influenced	Undersaturated	0.27	No	Oversaturated	Prob. Increasing	Higher Se-D	– Se-T, NO ₃ -N	
	CIVI_EASTWR	Low Flow	Oxic	Not MF Influenced	Undersaturated	0.27	No	Oversaturated Cd-D			Higher NO₃-N, Co-D

Notes: Categorizations labelled as "Not Determined" indicate a seep where an equal number of instances occurred for each category, so classification could not be determined.

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^{1 &}quot;-" calcite precipitate presence (2022) denotes that the seep was visited, but no calcite presence field notes were made. Low flow calcite observations were conducted in July 2022.

² "Stable or decreasing" indicates that Cd-D, NO₃-N, Se-D, and SO₄ concentrations show stable, no trend, or decreasing trends while field pH shows a stable trend or no trend. "-" denotes that there was insufficient data to conduct trend analysis.

³ "-" for seasonality denotes that no seasonality has been visually identified and for parameters above FWAL BCWQGs "-" indicates that no COIs were identified as above FWAL BCWQGs.

Table 24: Average seasonal flow and SO₄ load for CMm seeps and comparison permitted surface water monitoring locations

Permitted Surface Water		Permitted Surface Water			Seep Flow ¹								
Permitted Surface Water Monitoring		ocation Flow 3/d)		ation SO₄ Load g/d)	Seep Location	Hig	h Flow	Lo	ow Flow	H	gh Flow	Lo	ow Flow
Location	High Flow	Low Flow	High Flow	Low Flow	·	Flow (m ³ /d)	% of Permitted Location Flow	Flow (m ³ /d)	% of Permitted Location Flow	SO ₄ Load (kg/d)	% of Permitted Location Load	SO ₄ Load (kg/d)	% of Permitted Location Load
CM_CC1	61,000	22,000	37,000	16,000	CM_MM-SEEP1	28	0.0%	13	0.1%	5.3	0.01%	2	0.01%
CM_CCOFF	33,000	12,000	23,000	9,500	CM_CCDS	920	3%	-	-	140	1%	-	-
				_	CM_CS1	67	0%	6.1	0%	9.2	0%	0.62	0%
CM_SPD	16,000	6,400	11,000	4,800	CM_37PIT-SEEP-E	380	2.3%	-	-	200	1.8%	-	-
				_	CM_37PIT-SEEP-W	27	0%	0.36	0%	7.4	0%	0.035	0%
				_	CM_MM-SEEP3	7.2	0.04%	3.9	0.1%	5.8	0.051%	2.7	0.06%
				_	CM_MM-SEEP5	9.9	0%	17	0%	3.8	0%	5.1	0%
				_	CM_NS1	84	1%	18	0%	98	1%	28	1%
				_	CM_NS4	48	0%	6.6	0.1%	30	0%	5.5	0%
				_	CM_NS7	110	1%	18	0%	85	1%	17	0%
				_	CM_PLANT-SEEP1	3.4	0.02%	3.4	0.1%	1.3	0.01%	1.2	0.03%
				_	CM_WD15-SOURCE	380	2.3%	69	1.1%	490	4.30%	100	2.10%
				_	CM_WD18	150	0.9%	21	0.3%	210	1.8%	33	0.7%
				_	CM_WD19	120	1%	34	0.5%	120	1%	38	0.8%
				_	CM_WD4	1000	6%	170	2.7%	380	3%	95	2%
				_	CM_WD7	4.6	0.03%	13	0.2%	0.54	0.0%	1.9	0.0%

¹ Due to the often-diffuse nature of seeps, seep flow measurements are inherently imprecise. The comparisons reported here should be regarded as semi-quantitative.

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6 Regional Interpretation

6.1 Seasonality and Year-on-Year Trends

No consistent year-on-year trends were identified during the Mann-Kendall analysis across all seeps at any one operation or across the Elk Valley as a whole. As previously discussed in the operation-specific sections above, some individual seeps were identified to be showing potential seasonality or year-on-year trends.

6.2 Solubility Controls

6.2.1 pH

Across the Elk Valley, pH greater than 7 continues to dominate seepages due to the strong control exerted by the dissolution of carbonate minerals. However, pH has been observed to be below 6 in some areas. pH measured in the seeps during 2022 ranged from 6.5 to 9 except for at EV_SEEP_10MILE9. The low pH measurements (2022 samples ranged from 6.2 to 6.7) reported at EV_SEEP_10MILE9 showed no other indicators of acidity, such as relatively elevated metal or sulfate concentrations (see Section 5.4.2). Therefore, these low pH measurements are likely not influenced by local PAG materials.

The dominant circumneutral to alkaline pH measured in the seepages across the Elk Valley operations is inferred to act as a solubility control on select parameters. For example, molybdenum shows a positive qualitative correlation with pH in Figure 20. As pH increases, molybdenum is expected to increase (i.e., become more mobile). Dissolved selenium shows no qualitative correlation with pH in Figure 21. Therefore, changes to pH in the range observed across the Elk Valley are not expected to impact dissolved selenium mobility. Dissolved cobalt shows a qualitative negative correlation with pH in Figure 22. As pH increases, dissolved cobalt concentrations are expected to decrease (i.e., become less mobile). The graphs for dissolved molybdenum and dissolved cobalt are examples of elements for which pH may act as a solubility control.

Out of 88 seeps, Mann-Kendall analysis indicates that five seeps show an increasing field pH trend, and nine seeps show a decreasing field pH trend. At FRO, probably increasing field pH at FR_CCSEEPE1 corresponds with increasing uranium concentrations. At CMm, increasing pH at CM_37PIT-SEEP-E and CM_37PIT-SEEP-W corresponds with decreasing cobalt concentrations. Apart from the trends noted at these three seeps, the valley-wide trend of pH acting as a control on select parameters is not reflected at a local seep scale.

6.2.2 Mineral Saturation Indices

Across the Elk Valley, 55% of seeps had modelled calcite saturation above 0.6, indicating oversaturation (calcite precipitation may be occurring) for one or both flow regimes. Calcite SIs during low flow were generally higher than in high flows, reflecting the more dilute conditions resulting from snowmelt. Across all operations, calcite saturation for 19% of seeps changed seasonally in 2022. Just over half of the seeps that had a seasonal change in calcite saturation changed from undersaturated

during high flows to oversaturated during low flow (10% of all Elk Valley seeps). The remaining seeps seasonally changed calcite saturation in the opposite direction (9% of all Elk Valley seeps).

Figure 23 shows modelled calcite SI compared to the modelled partial pressure of carbon dioxide (pCO₂). pCO₂ above $10^{-3.4}$ atm indicates CO₂ is over-pressurized (dashed vertical line in Figure 23). As seeps equilibrate with atmospheric pressure, dissolved CO₂ will decrease along the flow path (White 2020). pH will increase as a result, and calcite may become oversaturated and precipitate. Most seeps in the Elk Valley have pCO₂ > $10^{-3.4}$, indicating over-pressurization (Figure 23).

No seeps in the Elk Valley had a gypsum SI above zero (-0.41 to -0.11); hence they are not likely to precipitate gypsum. Most seeps (99%) are in equilibrium or oversaturated with ferrihydrite. This may be because iron is commonly non-detect and ferrihydrite SIs are a function of the detection limit. However, the alkaline pH and dominantly oxidizing conditions of the area support the finding that the majority of seeps are in equilibrium or oversaturated with ferrihydrite.

6.3 Effect of Low Oxygen Conditions

In reducing environments, iron and manganese may be released through the reductive dissolution of oxyhydroxides. Other metals (e.g., cobalt, nickel, and zinc) adsorbed or co-precipitated with iron, and manganese minerals may also be released. Lower manganese concentrations tended to be associated with higher field DO concentrations (Figure 24). In contrast, higher manganese concentrations were spread across the field DO range measured during the seep sampling events. Qualitatively, a similar relationship between iron and field DO was observed, but to a lesser extent because iron was not detected in many samples (Figure 25). Seeps did not show a correlation of concentrations of other metals with field DO.

Figure 26 shows the suboxic indicator ratio Se/SO₄ compared to field DO measurements. There is a cluster of data points where field DO and Se/SO₄ are relatively elevated and scatter across the range of Se/SO₄ at lower field DO. The scatter is generally consistent with expectations, and it is conceivable that low Se/SO₄ can be present under a wide range of DO because water can reoxygenate after being reduced. Still, higher Se/SO₄ is less likely to be present in suboxic waters. The criterium previously set by SRK (2019) for identifying suboxic conditions, where Se/SO₄ is less than 1x10⁻⁵ mol/mol, appear to continue to provide a generally reliable indication of waters affected by suboxic conditions.

7 Seep Dataset Modifications

7.1 New Seeps Review

This section describes the methodology used to evaluate new seep(s) identified in 2022. Teck identified one new seep at CMm in 2022 (Table 25). No new seeps were identified at FRO, GHO, LCO, or EVO in 2022.

The newly identified seeps were compared to the nearest seep sampled in 2022 based on the seep groupings developed by SRK (2019). Seeps were compared based on oxidation categorization, MF categorization, and BCWQG exceedances for sulfate, selenium, and nitrate-N. The new seeps were considered different from the closest historical seep if the categorization of oxidation and MF influence were different, or the new seeps had more or different BCWQG exceedances for sulfate, selenium, or nitrate-N than the comparison seeps' water quality results.

Table 26 summarizes the oxidation, MF influence categorization, and the BCWQG exceedance screening of the newly identified seep to their RSMP seep counterparts sampled in 2022.

Table 25: New seep identified in 2022 in relation to historical seep location

Operation	Group Name	Seep ID	Sampling Dates	Nearest Historical Seep Sampled in 2022 in Same Group	Distance to 2022 Seep (m)
CMm	CM_WESTWR	CM_WD9-SOURCE	Oct 28, 2022	CM_WD7	350

Table 26: New seep: Oxidation, MF Influence, and BCWQGs comparison

		High	Flows	Low	Flows	BCWQG
Туре	Seep ID	Oxidation	MF Influence	Oxidation	MF Influence	Exceedances of SO ₄ , Se, and NO ₃ in 2022
New	CM_WD9- SOURCE	N/A	N/A	Suboxic	No MF Influence	1 Exceedance for SO ₄ and Se-T for 1 sample
Existing	CM_WD7	Oxic	No MF Influence	Oxic	No MF Influence	2 Exceedances for Se-T for 2 samples

Notes: Italicized rows indicate historical seeps

CM_WD9-SOURCE should be added to the current set of seeps to be monitored during 2023 because it was categorized as suboxic during 2022 low flows, which is different from the closest historical seep (CM_WD7), which has been consistently categorized as oxic since 2018.

7.2 Seep Retirement Review

Following the seep retirement framework laid out in SRK (2021), the following two seeps at FRO listed in Table 27 have been retired from the RSMP, effective January 2, 2023.

Table 27: RSMP seeps identified for retirement in 2022

Seep ID	Seep Group	Reason for Retirement
FR_SHNSEEP1	FR_SHANDLEY_WR	Covered over by a road.
FR_FSEAMWSEEP4	FR_FSEAM_WR	Spoiled over and last sampled in 2018.

FRO personnel conducted a retirement survey in 2022 to confirm the retirement of FR_SHNSEEP1 and FR_FSEAMWSEEP4 from the RSMP.

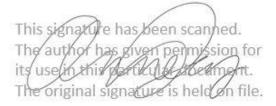
8 Summary

The following are noted for the 2022 Elk Valley RSMP:

- The RSMP has been implemented with an approach consistent with that used for RGMP, follow-up requirements from EMLI, and previous recommendations made by SRK.
- Data quality was found to be acceptable based on the findings of a QA/QC assessment conducted in support of this report.
- Several parameters' year-on-year trends were identified based on a quantitative review of water quality time-series.
- Valley-wide geochemical interpretations show broad consistency with expected trends. Metals generally become more mobile as pH decreases except when speciated as an oxyanion (i.e., molybdenum and uranium). Evidence for sub-oxic conditions is shown by lower Se/SO₄, and higher iron and manganese concentrations when dissolved
- One new seep (CM_WD19-SOURCE) was identified at CMm in 2022.
- Two seeps at FRO (FR_SHNSEEP1 and FR_FSEAMWSEEP4) have been retired from the RSMP, effective January 1, 2023.
- One new seep at CMm (CM_WD9-SOURCE) has been added to the RSMP for sampling in 2023 and onwards.

Closure

This report, Elk Valley Regional Seep Monitoring: 2022 Annual Report, was prepared by



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and reviewed by



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All data used as source material plus the text, tables, figures, and attachments of this document have been reviewed and prepared in accordance with generally accepted professional engineering and environmental practices.

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Figures

Figure 1: Teck Operations Map

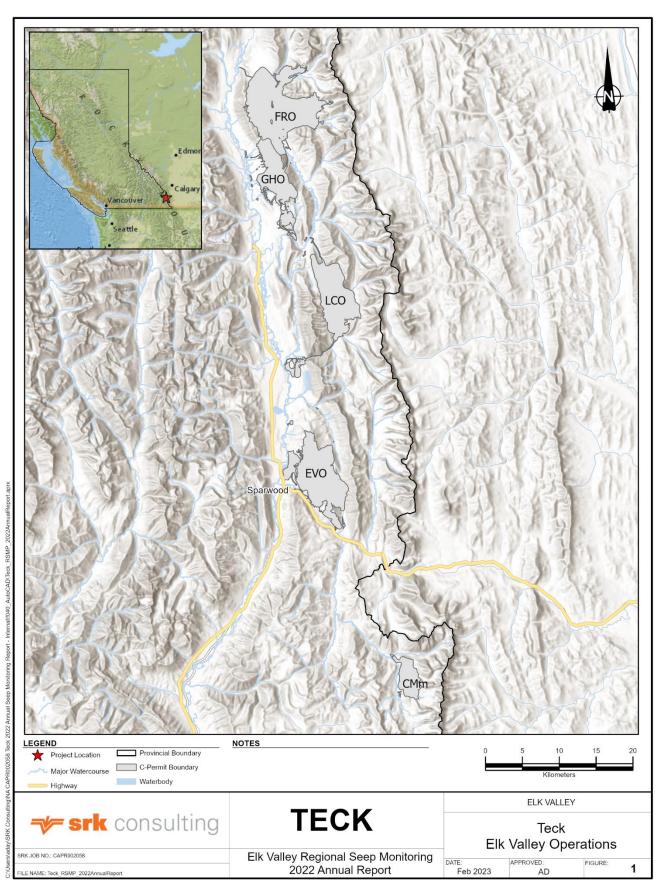


Figure 2: 2022 Seeps and Selected Surface Water Monitoring Locations - FRO

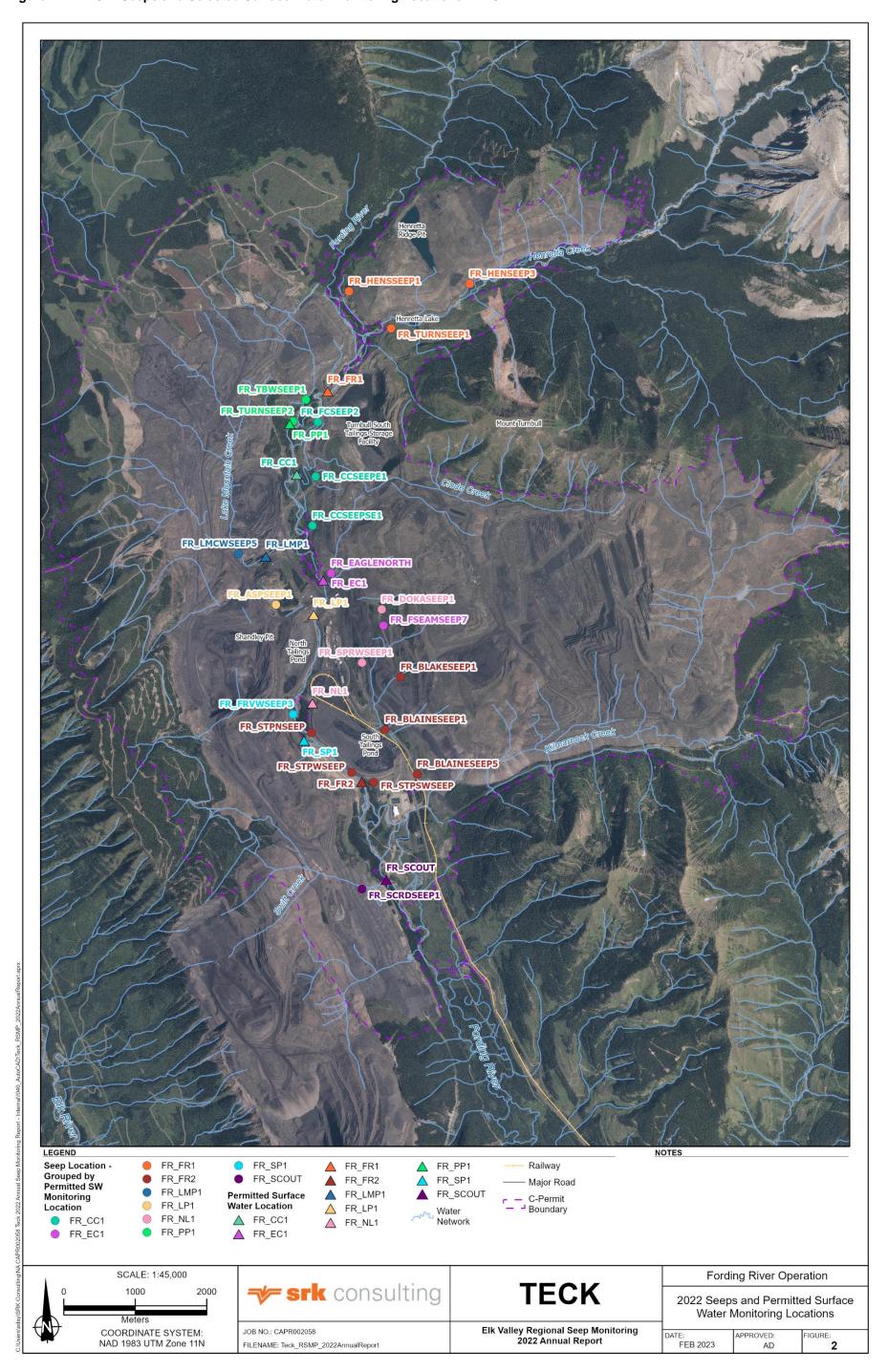


Figure 3: High Flow Calcite Saturation - FRO

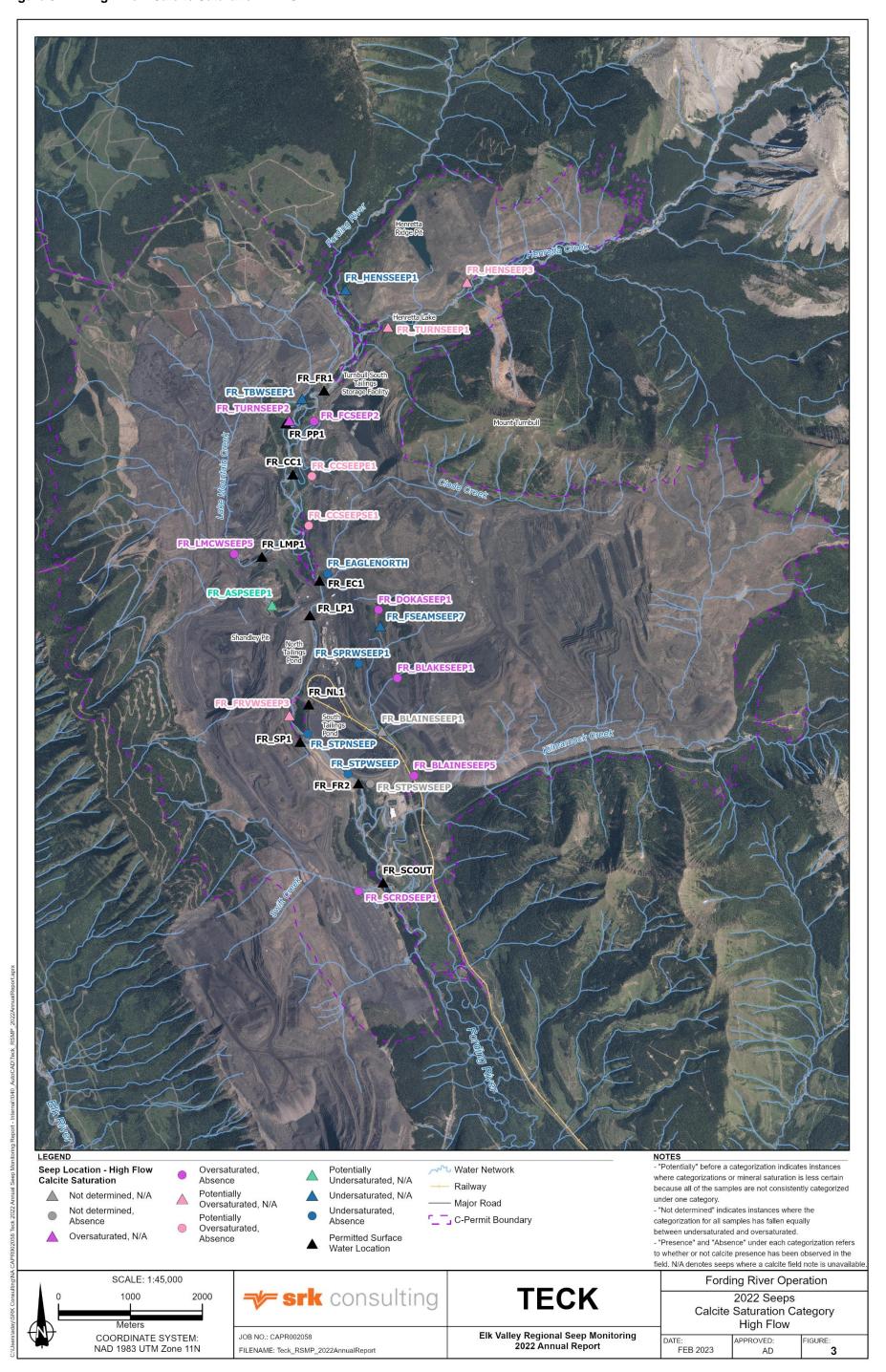


Figure 4: Low Flow Calcite Saturation - FRO

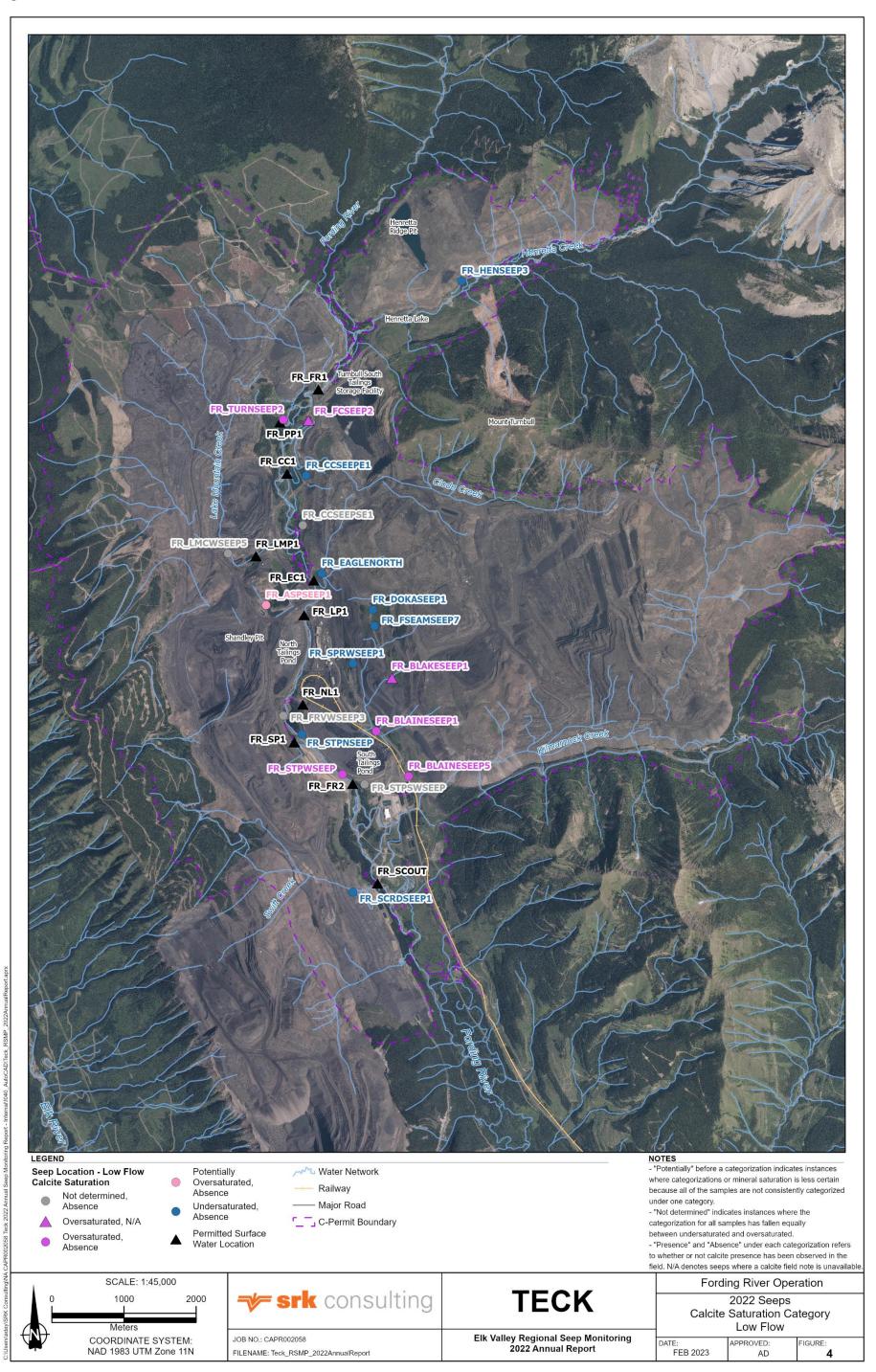


Figure 5: Constituents of Interest Concentration Timeseries at FR_SCRDSEEP1

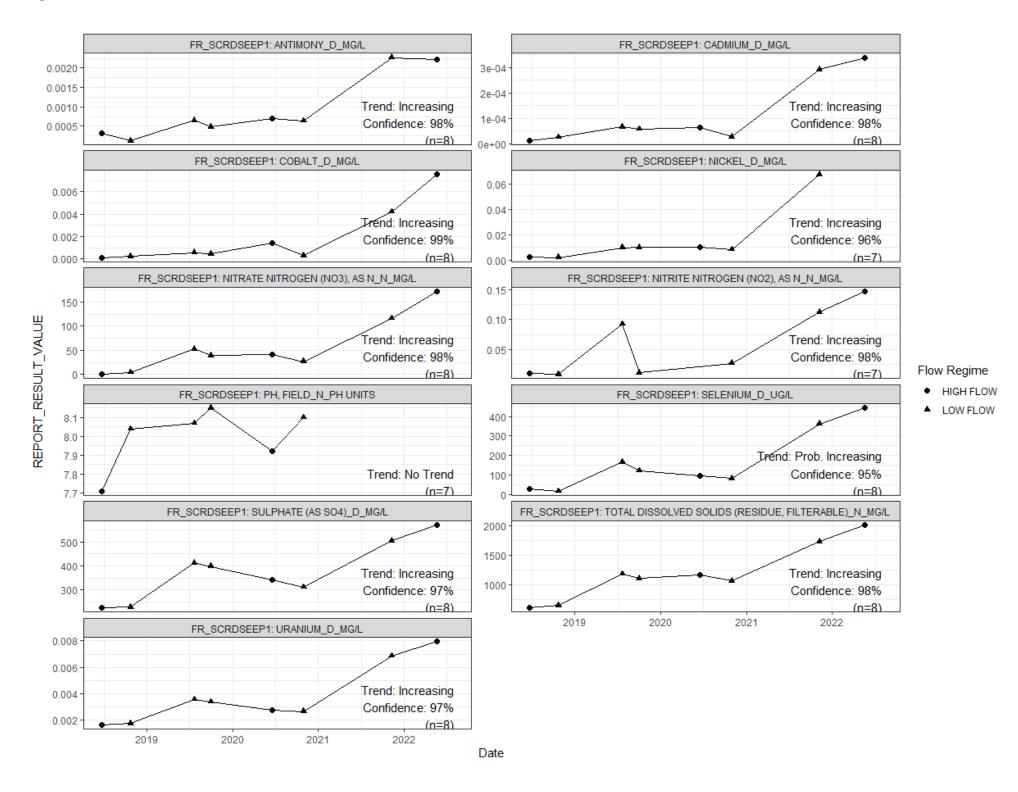


Figure 6: 2022 Seeps and Selected Surface Water Monitoring Locations - GHO

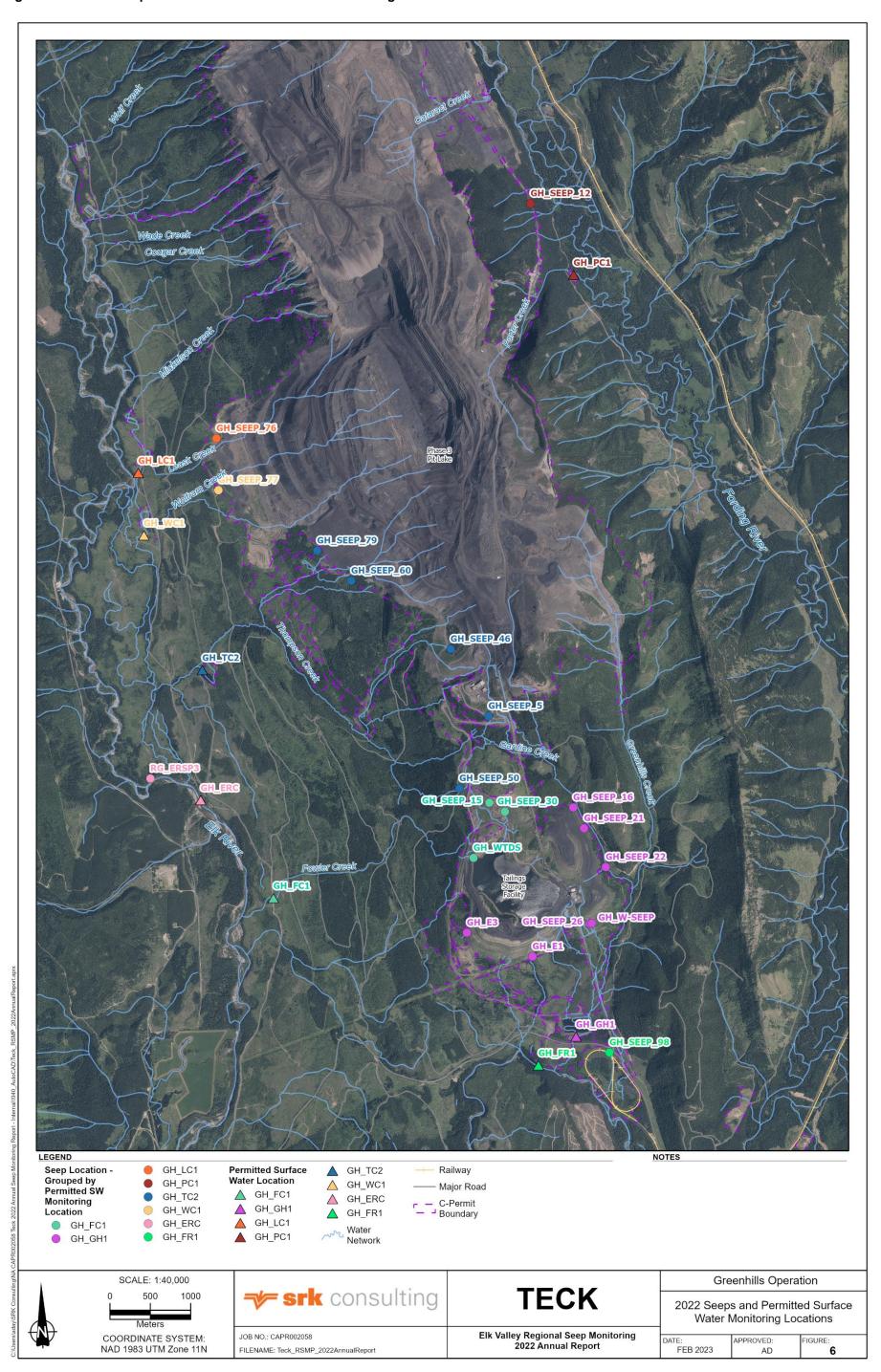


Figure 7: High Flow Calcite Saturation - GHO

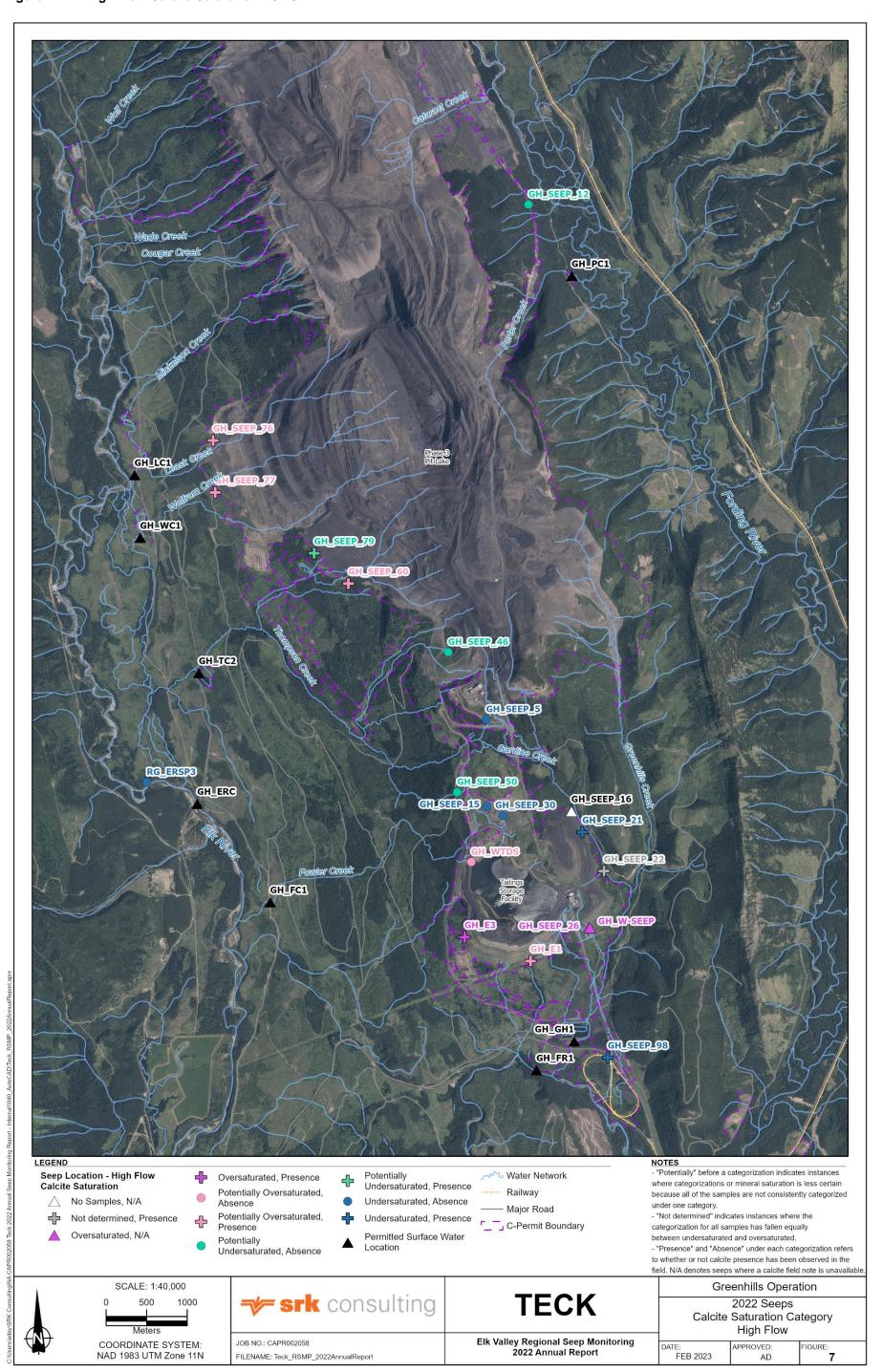


Figure 8: Low Flow Calcite Saturation - GHO

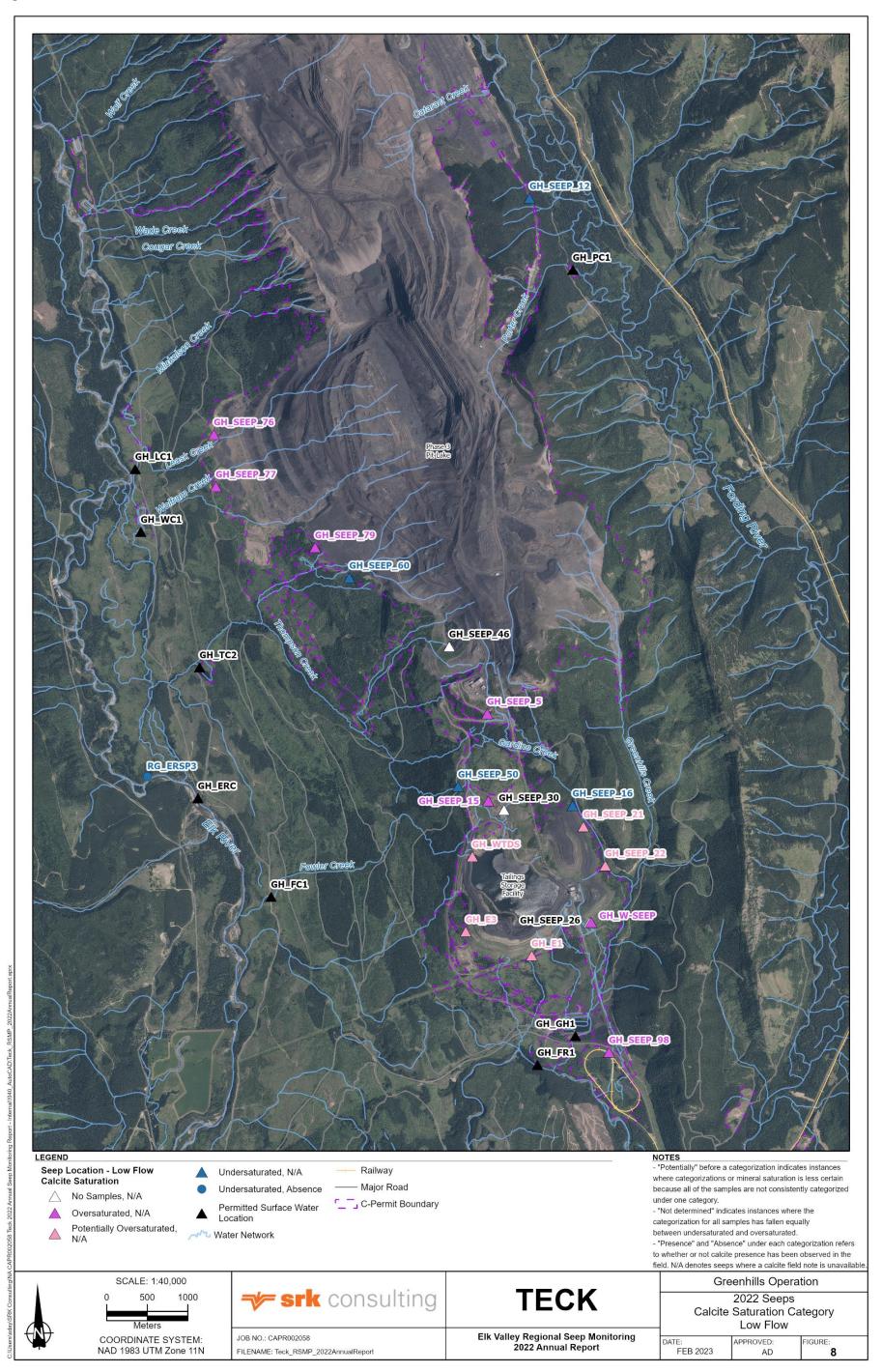


Figure 9: Constituents of Interest Concentration Timeseries at GH_SEEP_5

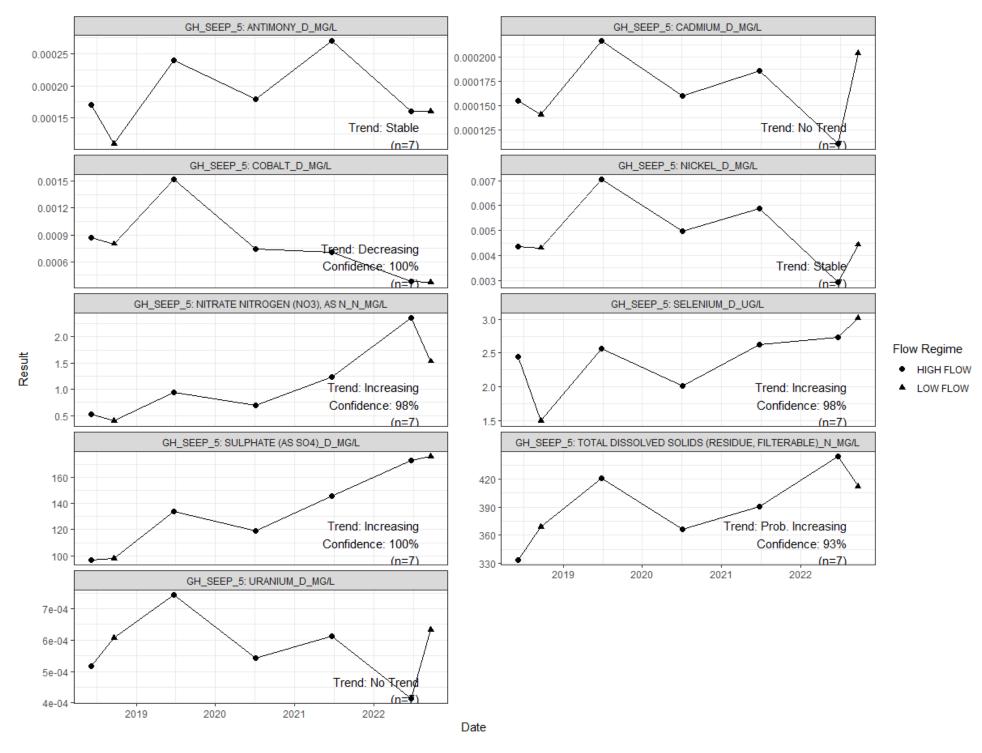


Figure 10: 2022 Seeps and Selected Surface Water Monitoring Locations - LCO

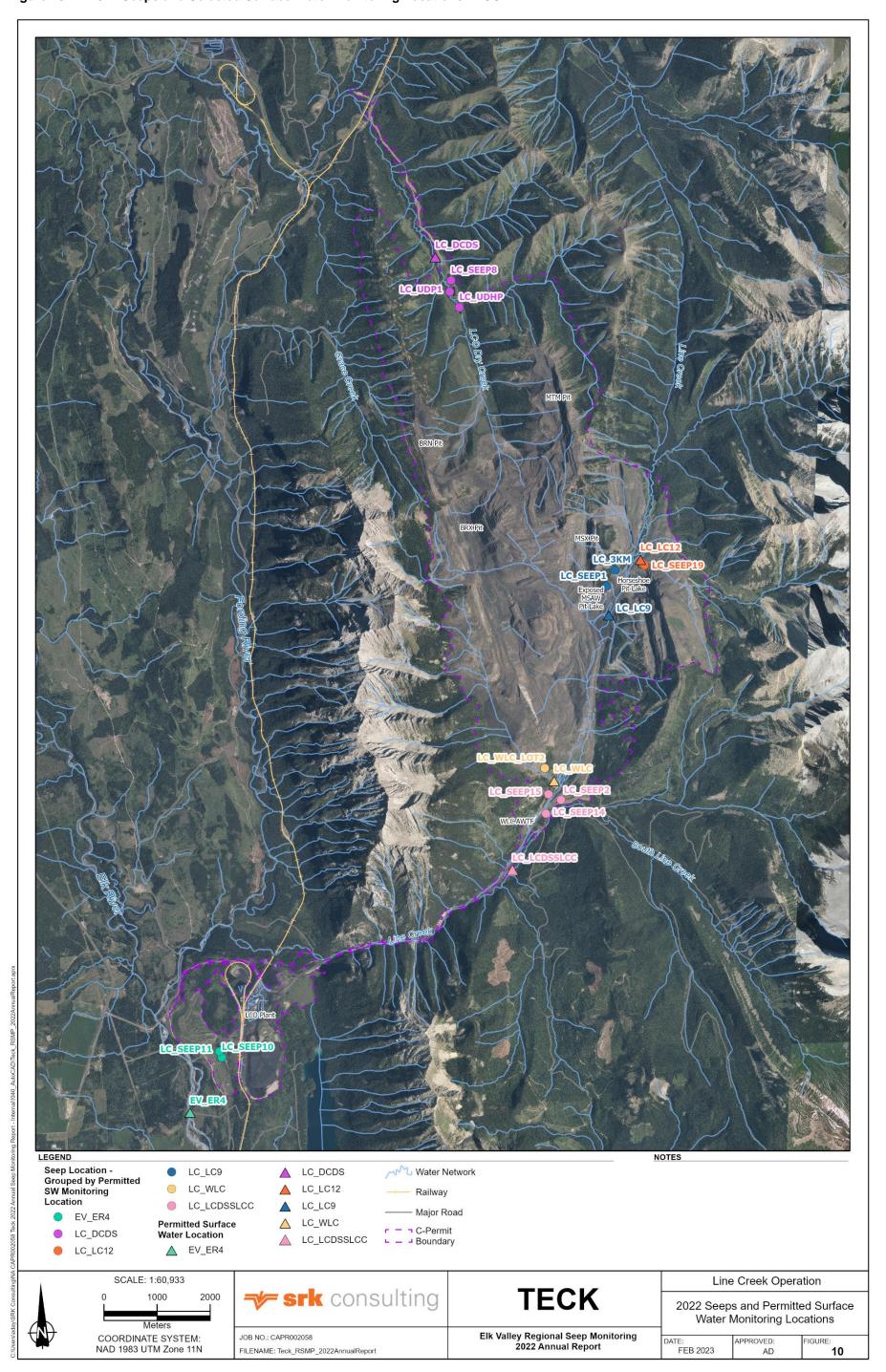


Figure 11: High Flow Calcite Saturation - LCO

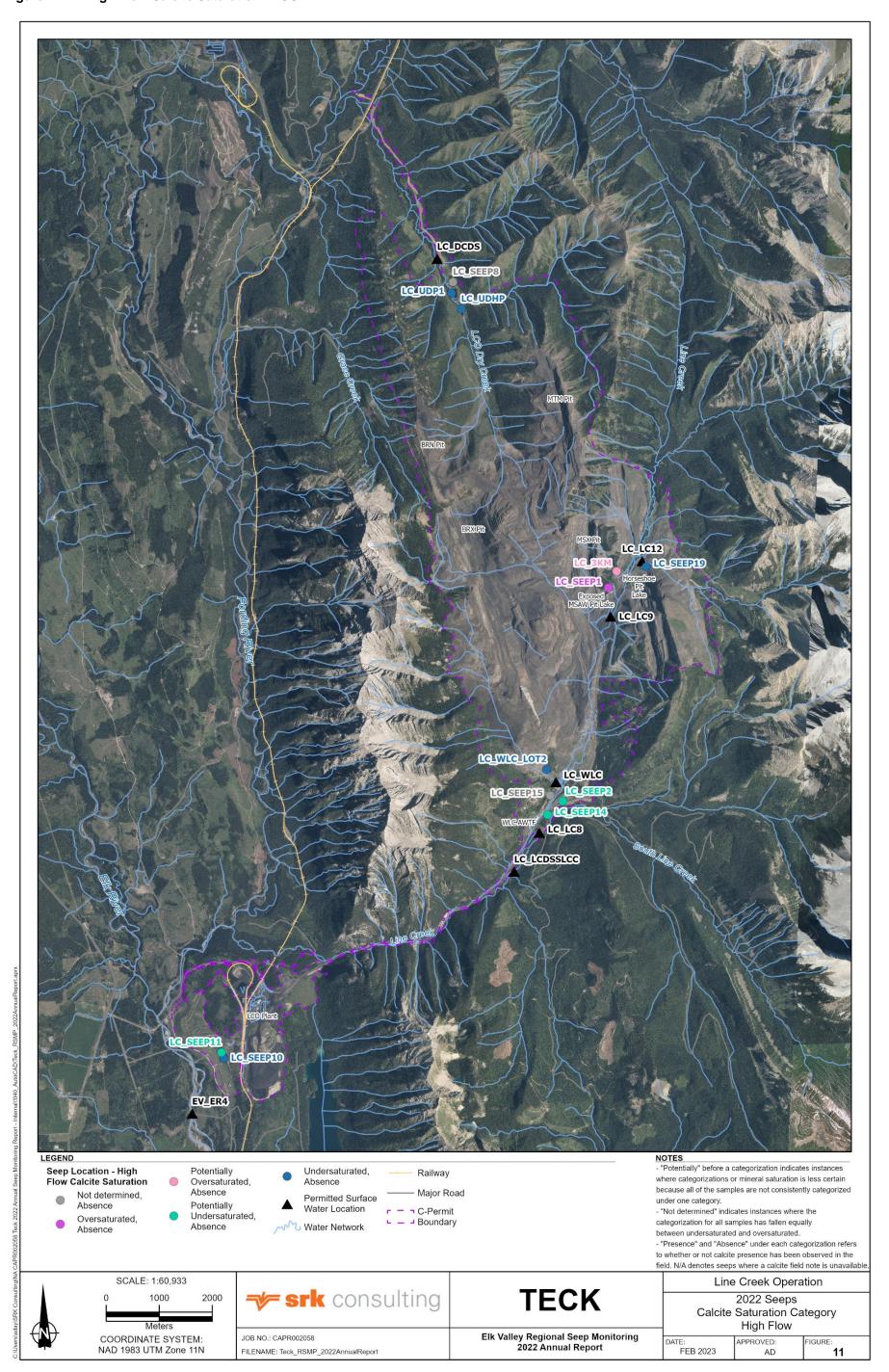


Figure 12: Low Flow Calcite Saturation - LCO

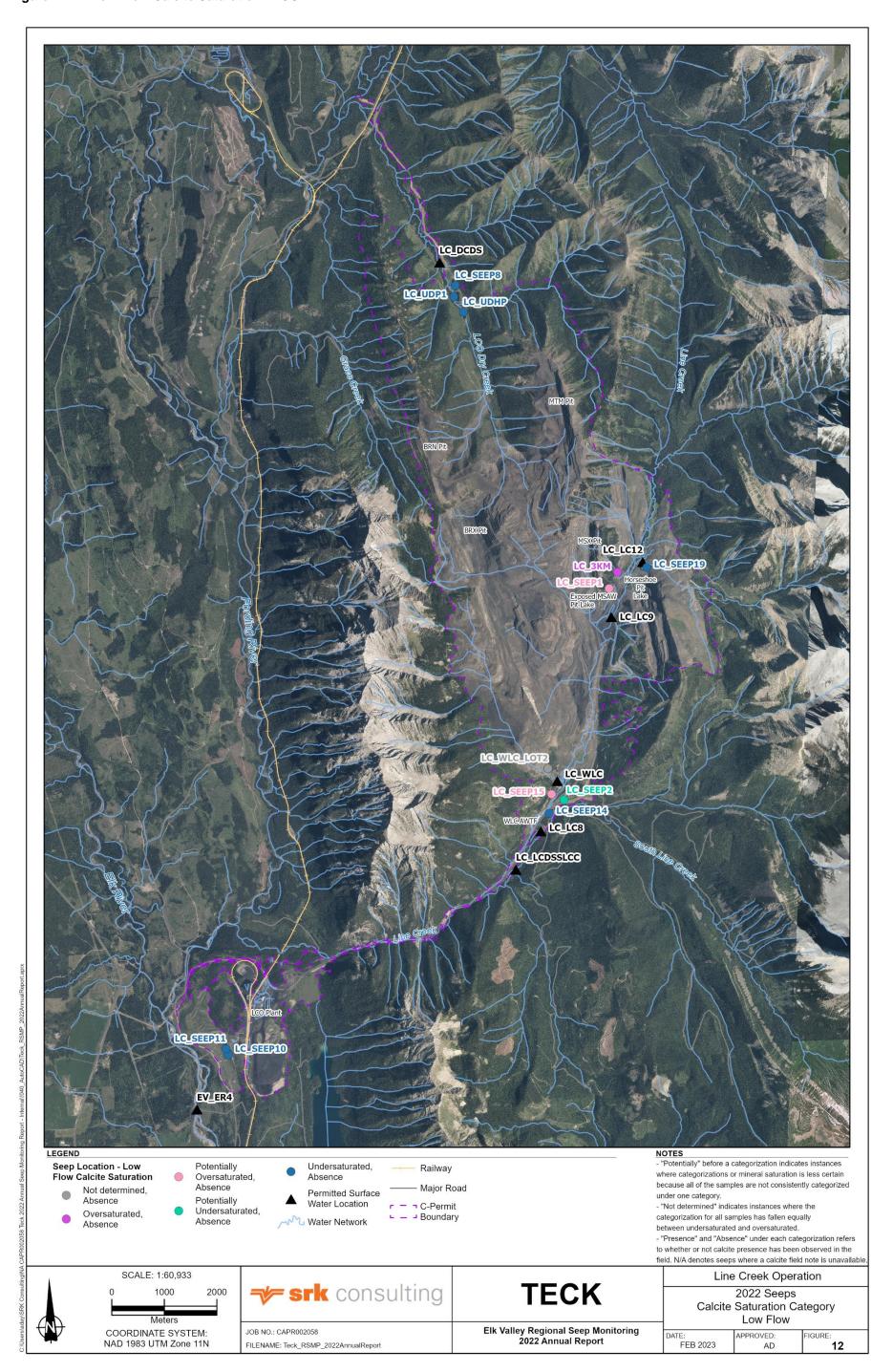


Figure 13: Constituents of Interest Concentration Timeseries at LC_UDHP

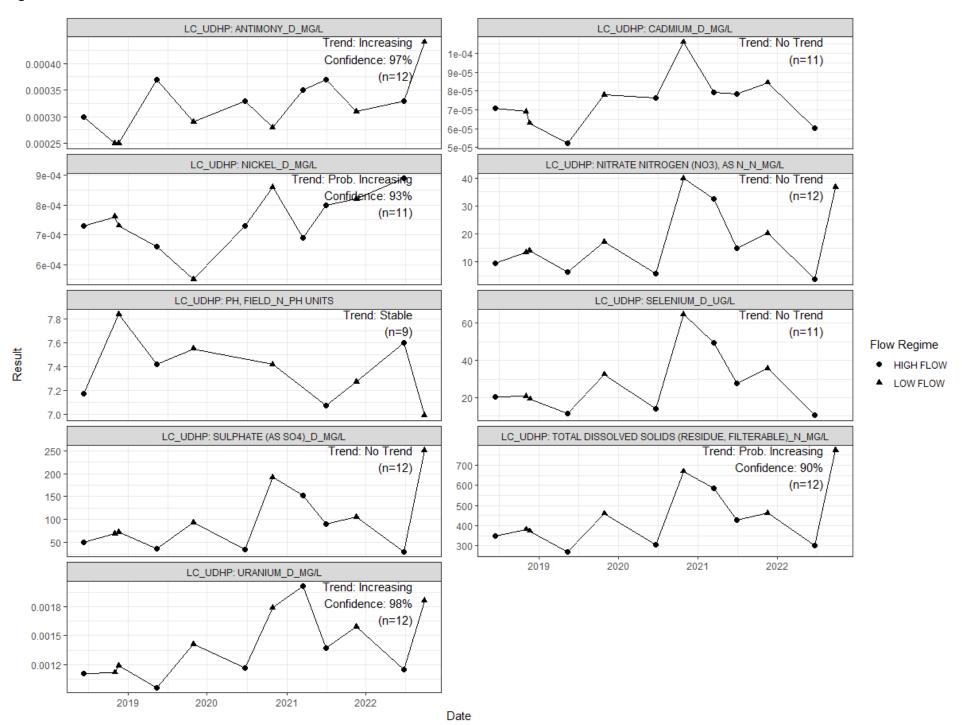


Figure 14: 2022 Seeps and Selected Surface Water Monitoring Locations - EVO

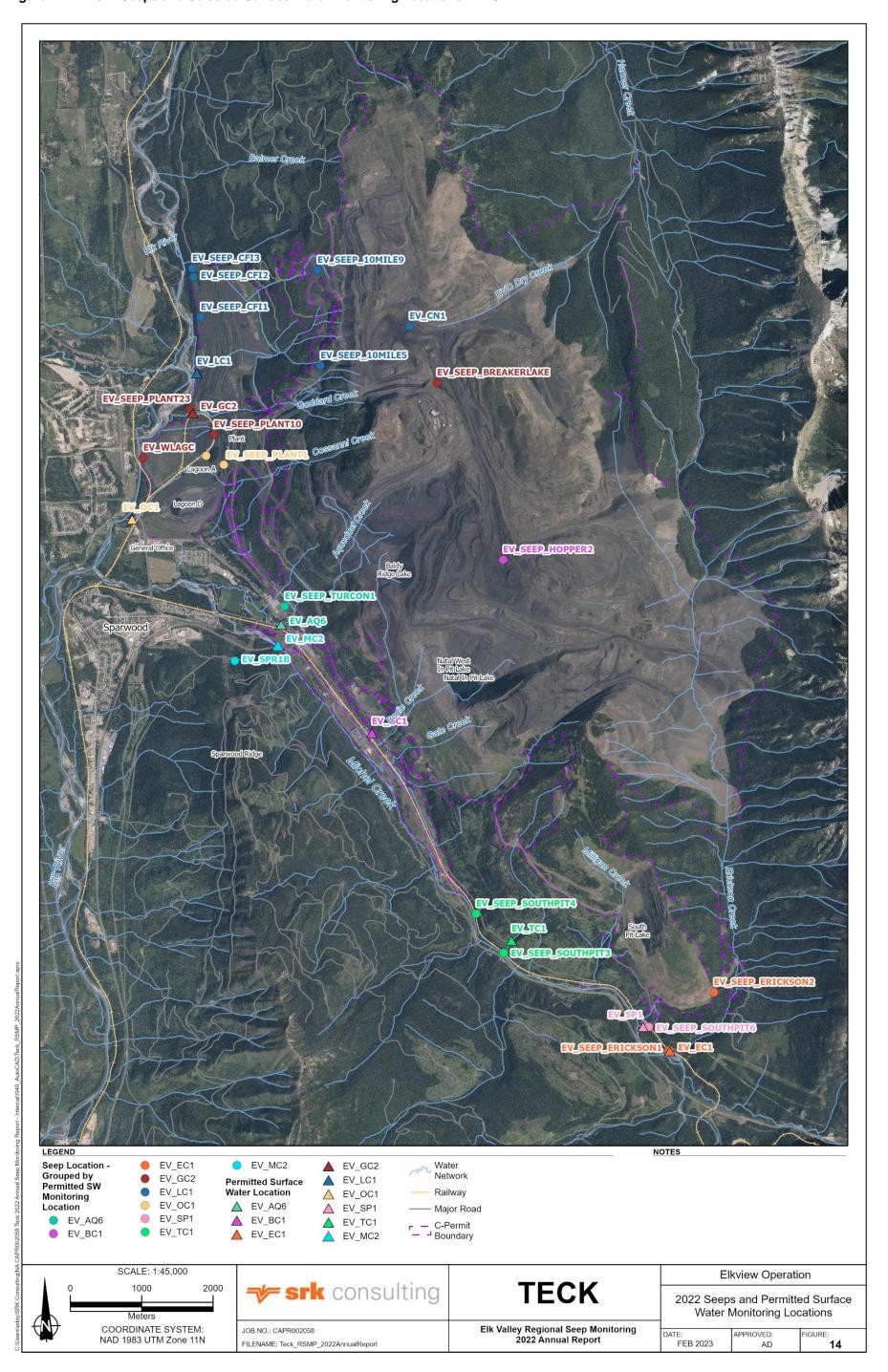


Figure 15: High Flow Calcite Saturation - EVO

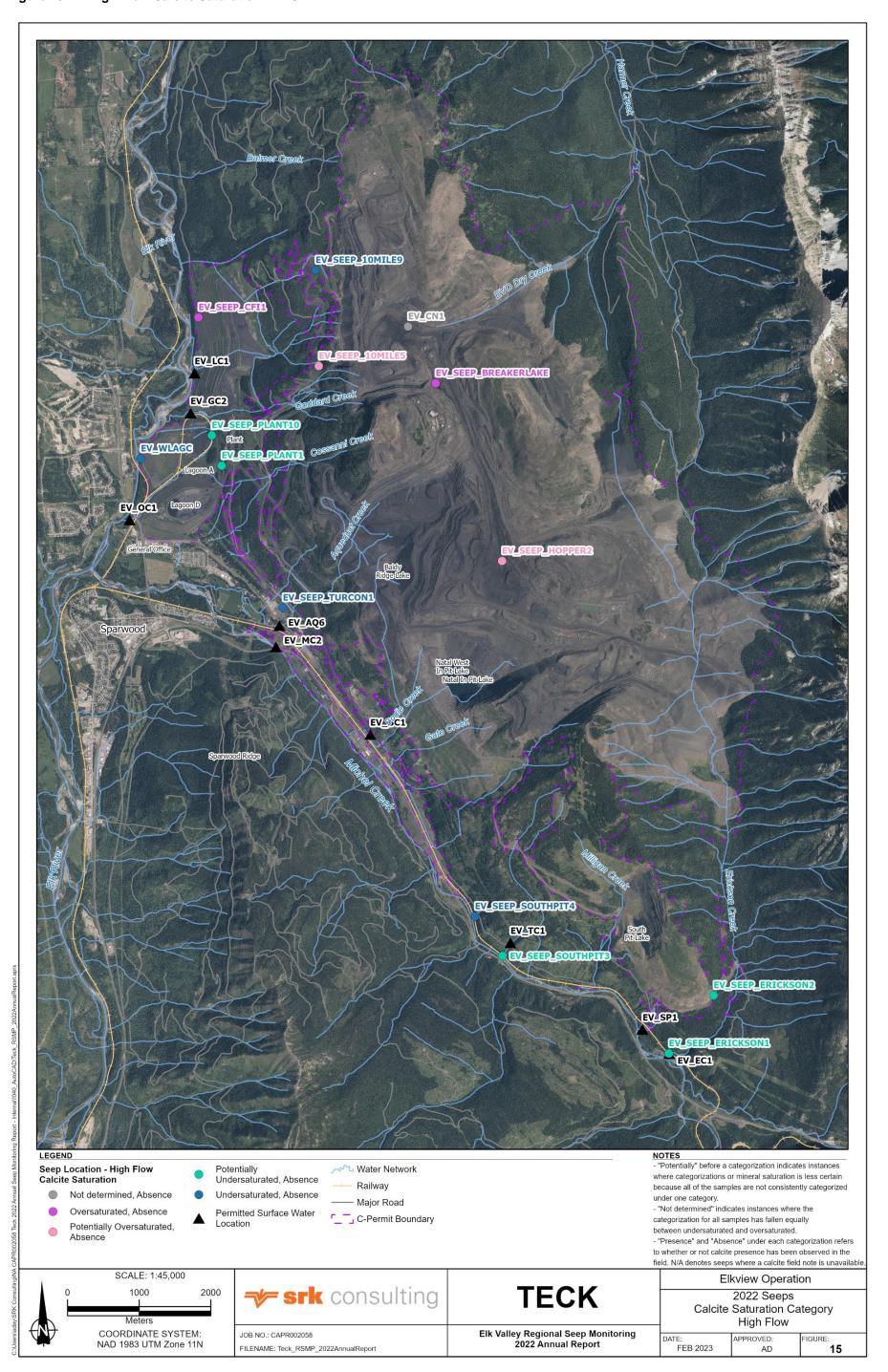


Figure 16: Low Flow Calcite Saturation - EVO

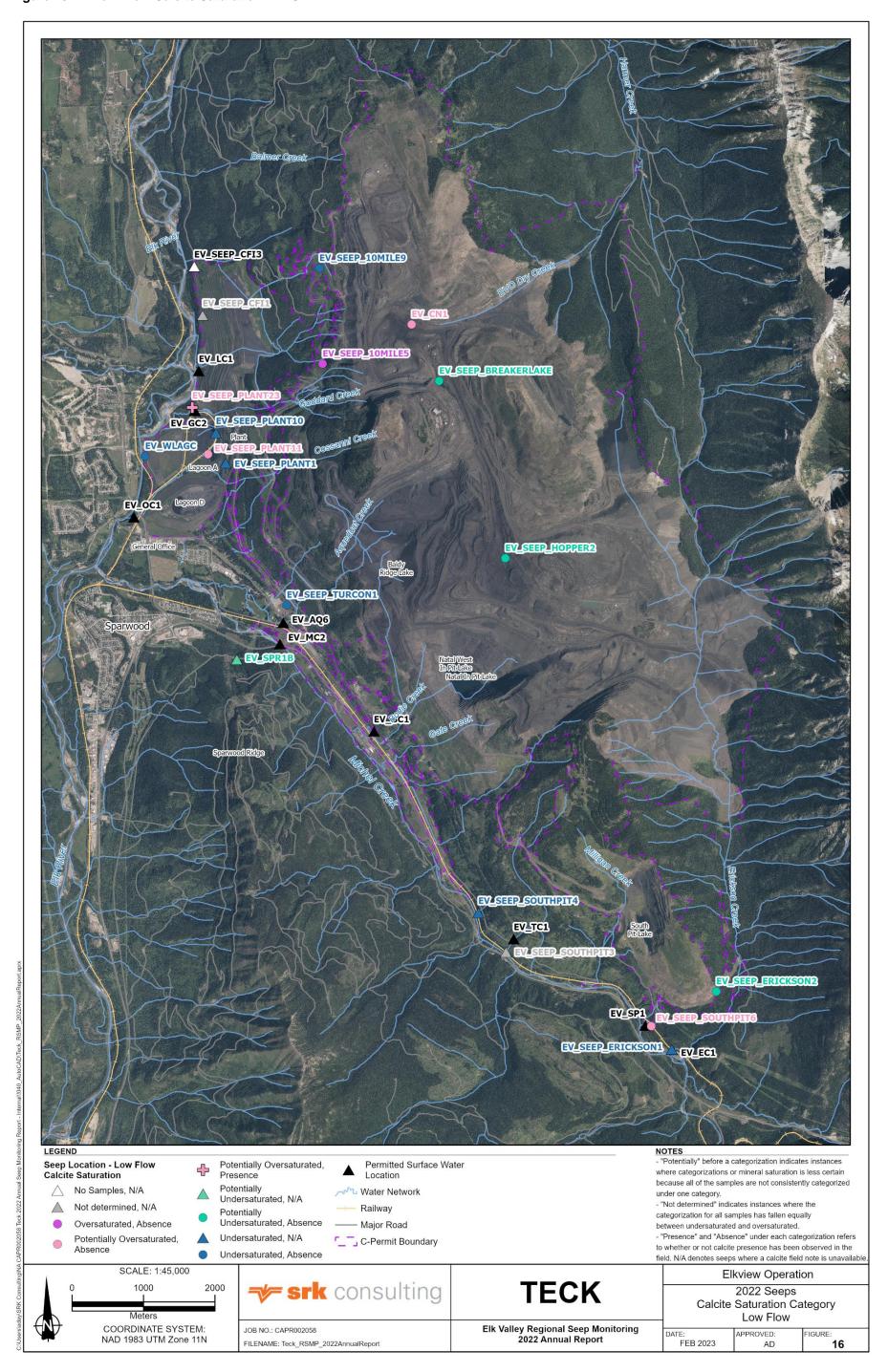


Figure 17: 2022 Seeps and Selected Surface Water Monitoring Locations - CMm

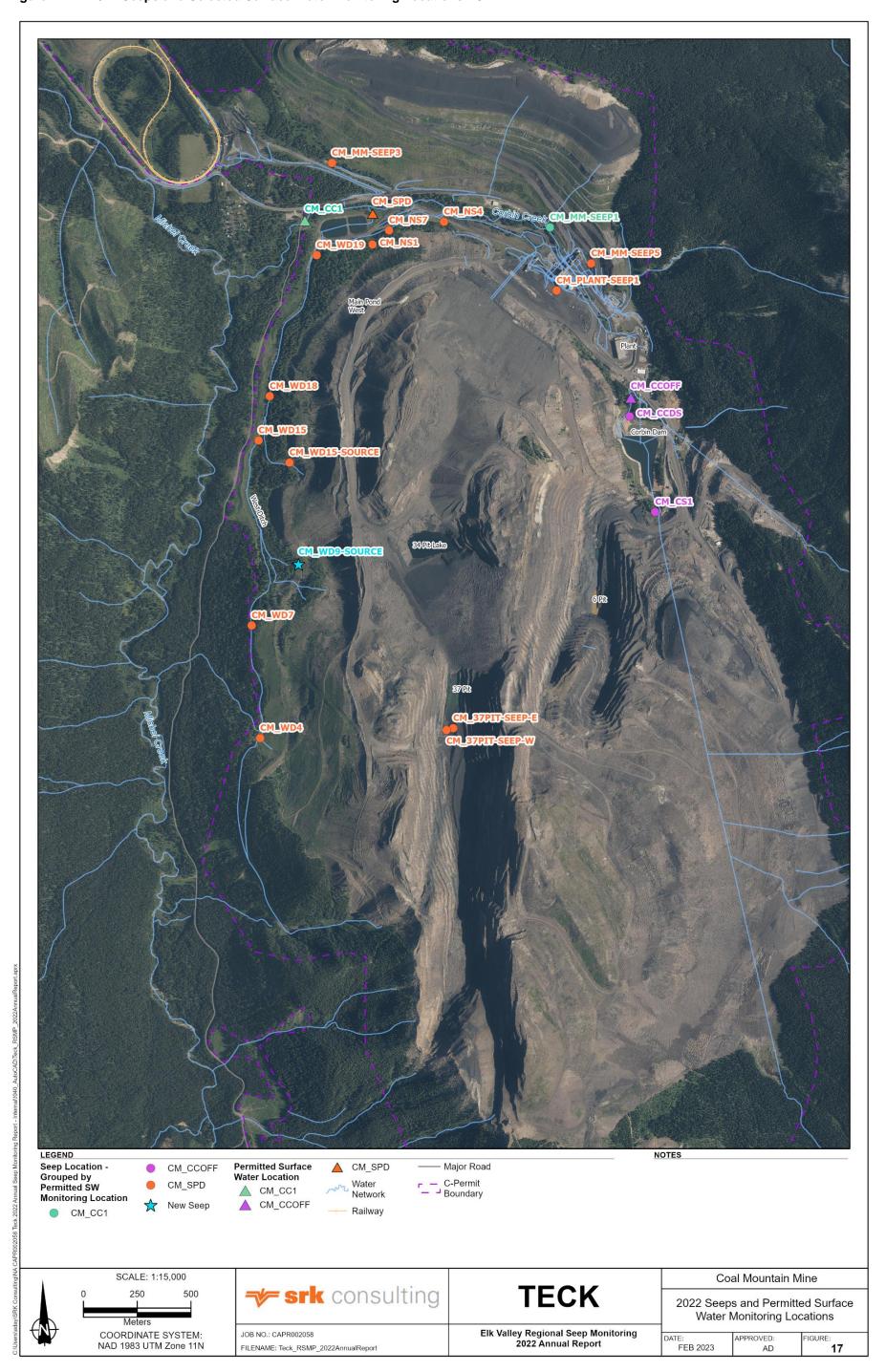


Figure 18: High Flow Calcite Saturation - CMm

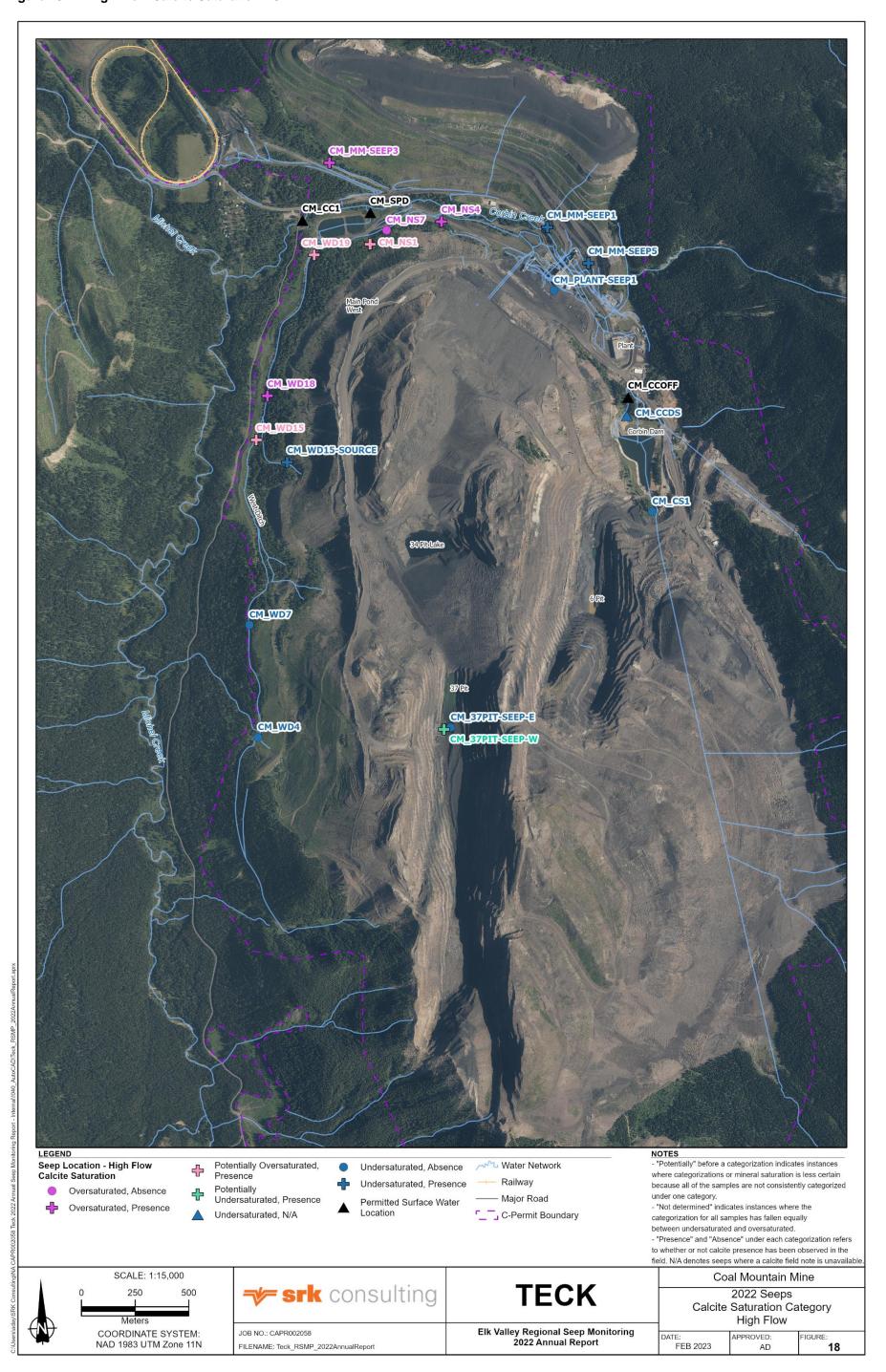


Figure 19: Low Flow Calcite Saturation - CMm

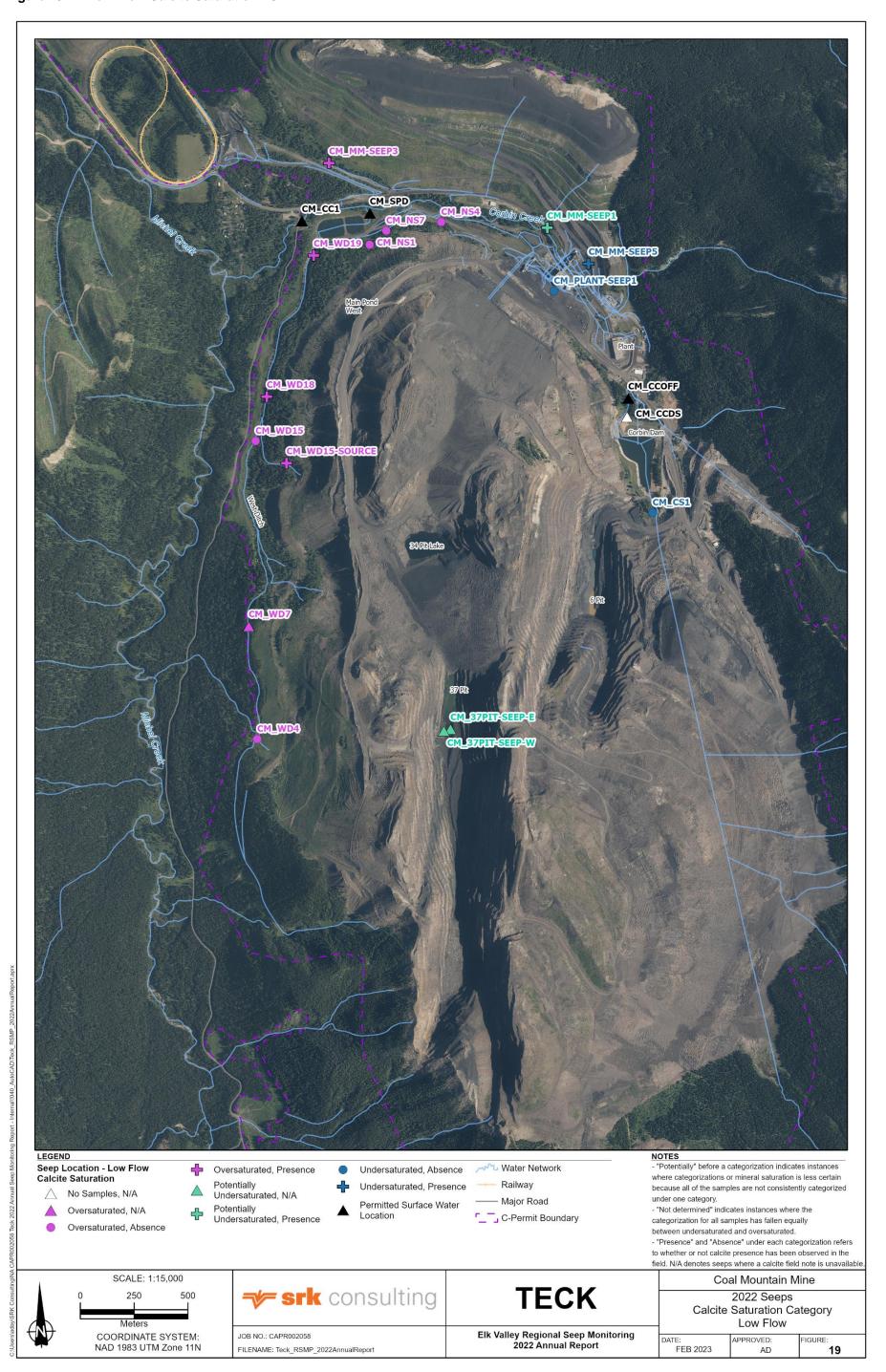


Figure 20: Dissolved molybdenum versus field pH across the Elk Valley

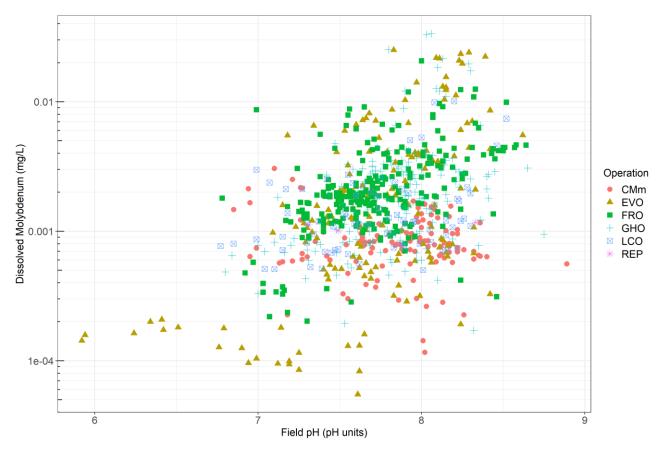


Figure 21: Dissolved selenium versus field pH across the Elk Valley

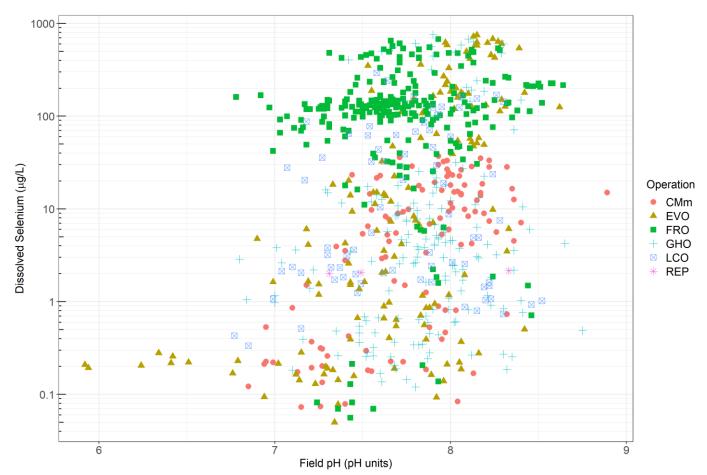
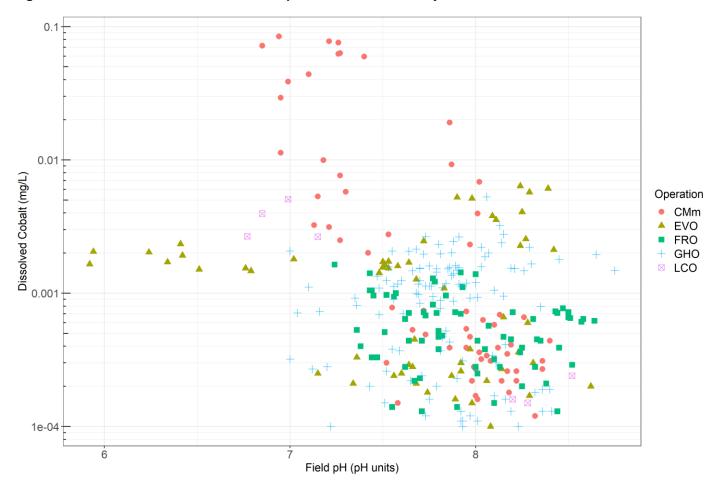


Figure 22: Dissolved cobalt versus field pH across the Elk Valley



Oversaturated <u>Equilibrium</u> HIGH FLOW Undersaturated Operation CMm Calcite SI EVO FRO + GHO Oversaturated * REP <u>Equilibrium</u> LOW FLOW Undersaturated pCO2

Figure 23: Modelled calcite SI compared to partial pressure (pCO₂) of carbon dioxide across all operations in the Elk Valley

Notes: The vertical dashed line indicates pCO₂ commonly at atmospheric pressure (10^{-3.4} atm). The horizontal dashed line indicates calcite equilibrium.

Figure 24: Dissolved manganese concentrations versus dissolved oxygen measurements across all operations in the Elk Valley

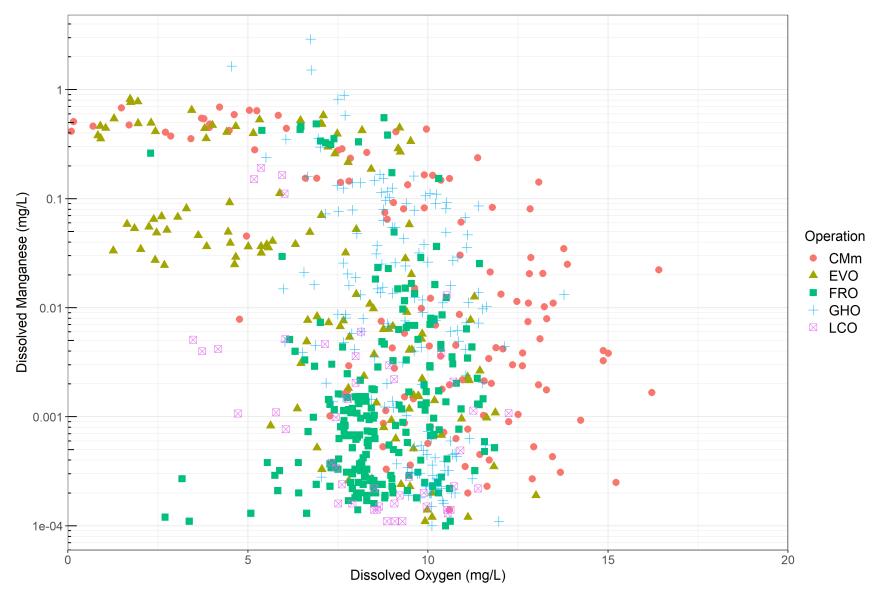
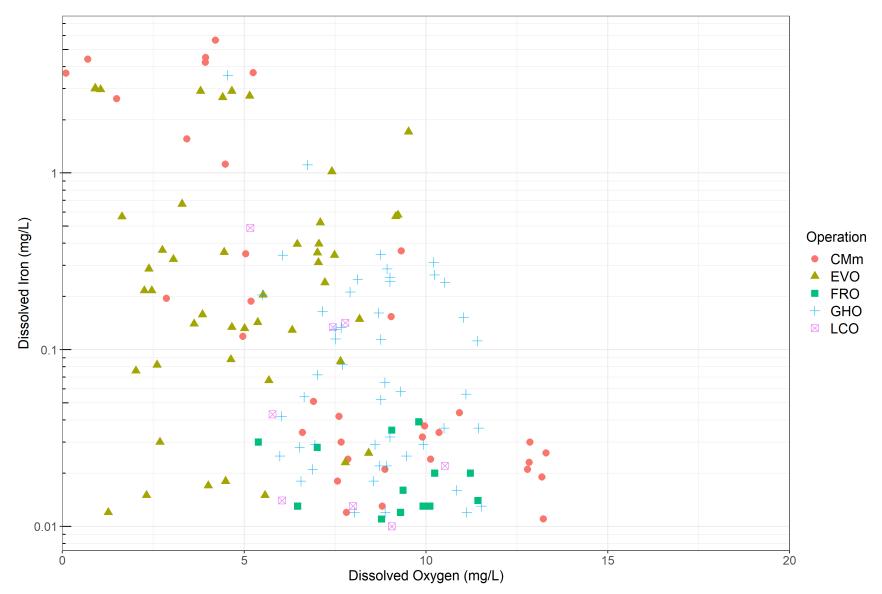


Figure 25: Dissolved iron concentrations versus dissolved oxygen measurements across all operations in the Elk Valley



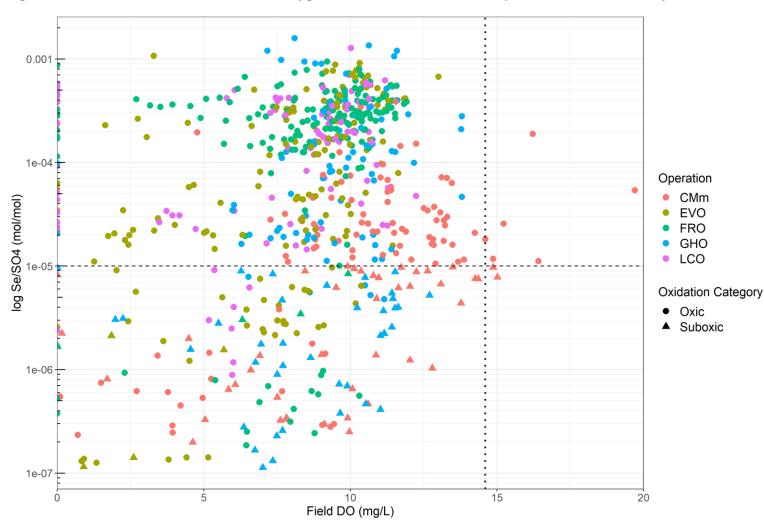


Figure 26: Se/SO₄ versus field dissolved oxygen measurements across all operations in the Elk Valley

Notes: The horizontal dashed line delimetes the Se/SO₄ criterium that is applied to categorize seeps as suboxic/oxic. The vertical dashed line delimits the 14.6 mg/L limit for acceptable field DO readings.

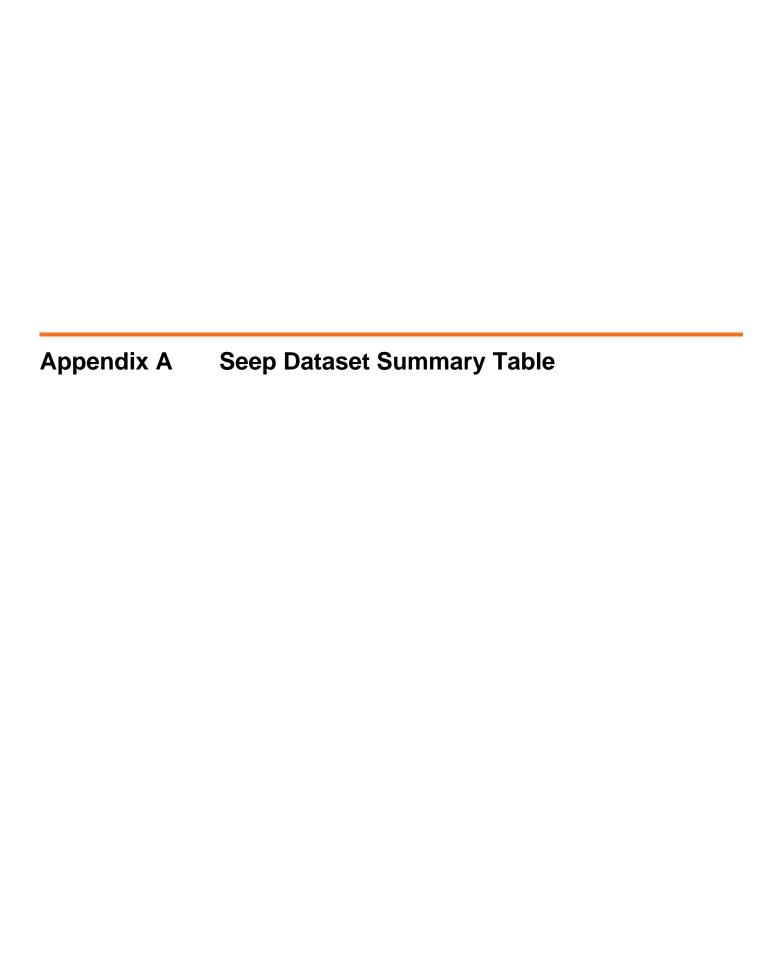


Table 1: Regional Seep Monitoring Program – Summary of Seep Monitoring Program Locations

Area	Seep ID	Group Name	Comparison Permitted Monitoring Location	Easting	Northing	Elevation ¹	Rationale for inclusion in RSMP at time of inclusion
СМО	CM_37PIT-SEEP-E	CM_37PIT	CM_SPD	669241	5485019	2,035	Selected in 2018. Potential MF influence and suboxic with high percent rank group concentrations.
СМО	CM_37PIT-SEEP-W	CM_37PIT	CM_SPD	669210	5485010	2,018	Selected in 2018. Oxic with high percent rank group concentrations.
СМО	CM_WD4	CM_WESTWR	CM_SPD	668344	5484973	1,648	Selected in 2018. Added to provide spatial coverage.
СМО	CM_WD7	CM_WESTWR	CM_SPD	668304	5485497	1,639	Selected in 2018. Added to provide spatial coverage.
CMO	CM_WD15-SOURCE	CM_WESTWR	CM_SPD	668480	5486255	1,575	Selected in 2018. High relative nitrate loading during high flow.
CMO	CM_WD18	CM_WESTWR	CM_SPD	668388	5486564	1,536	Selected during 2018. Oxic with high percent rank group concentrations.
CMO	CM_WD19	CM_WESTWR	CM_SPD	668606	5487220	1,528	Selected in 2018. Added to provide spatial coverage.
CMO	CM_MM-SEEP3	CM_MMCCR	CM_SPD	668677	5487649	1,547	Selected in 2018. Added to provide spatial coverage.
CMO	CM_NS1	CM_EASTWR	CM_SPD	668866	5487270	1,534	Selected in 2018. High relative sulfate loadings, oxic with high percent rank group concentrations.
CMO	CM_NS7	CM_MMCCR	CM_SPD	668943	5487335	1,528	Selected in 2018. High relative group loadings. Oxic with high percent rank group concentrations.
СМО	CM_NS4	CM_MMCCR	CM_SPD	669198	5487375	1,531	Selected in 2018. Suboxic with high percent rang group concentrations.
СМО	CM_MM-SEEP1	CM_MMCCR	CM_CC1	669691	5487349	1,547	Selected in 2018. High relative group nitrate loadings.
CMO	CM_MM-SEEP5	CM_MMCCR	CM_SPD	669882	5487182	1,551	Added in 2020. Suboxic and sulfate concentrations above BCWGs for FWAL.
CMO	CM_PLANT-SEEP1	CM_EASTWR	CM_SPD	669722	5487055	1,561	Selected in 2018. Potential MF influence.
CMO	CM_CCDS	CM_EASTWR	CM_CCOFF	670061	5486470	1,577	Selected in 2018. Added to provide spatial coverage.
CMO	CM_CS1	CM_EASTWR	CM_CCOFF	670180	5486025	1,598	Added in 2018. High relative nitrate loadings.
CMm	CM_WD9-SOURCE	CM_WESTWR	CM_SPD	668347	5485897	1,586	Added in 2022.
EVO	EV_SEEP_CFI3	EV_CCR	EV_LC1	653180	5516139	1,188	Selected in 2018. Oxic with high group percent rank concentrations.
EVO	EV_SEEP_CFI2	EV_CCR	EV_LC1	653197	5516015	1,188	Added in 2022. Replacement for EV_SEEP_CFI3.
EVO	EV_SEEP_CFI1	EV_CCR	EV_LC1	653297	5515455	1,190	Selected in 2018. High relative group loadings.
EVO	EV_SEEP_10MILE9	EV_CEDARWR	EV_LC1	654933	5516114	1,647	Selected in 2018. Added to provide spatial coverage, high relative concentrations to compliance point.
EVO	EV_SEEP_10MILE5	EV_CEDARWR	EV_LC1	654977	5514775	1,581	Selected in 2018. Added to provide spatial coverage, high relative concentrations to compliance point.
EVO	EV_CN1	EV_CEDARWR	EV_LC1	656223	5515327	1,769	Selected in 2018. High group loadings and oxic with high percent rank concentrations during high flow.
EVO	EV_SEEP_PLANT23	EV_PLANT	EV_GC2	653153	5514163	1,134	Selected in 2018. Potential MF influence, high relative group loadings.
EVO	EV_SEEP_BREAKERLAKE	EV_BALDYRIDGEWR	EV_GC2	656609	5514535	1,752	Selected in 2018. Added to provide spatial coverage.
EVO	EV_SEEP_PLANT10	EV_PLANT	EV_GC2	653483	5513807	1,145	Selected in 2018. Potential MF influence, suboxic with high percent rank concentrations.
EVO	EV_WLAGC	EV_CCR/TP	EV_GC2	652492	5513481	1,127	Selected in 2018. High relative group loadings.
EVO	EV_SEEP_PLANT11	EV_PLANT	EV_OC1	653374	5513509	1,141	Selected in 2018. Potential MF influence.
EVO	EV_SEEP_PLANT1	EV_PLANT	EV_OC1	653620	5513384	1,189	Selected in 2018. Potential MF influence, oxic with high percent rank group concentrations.

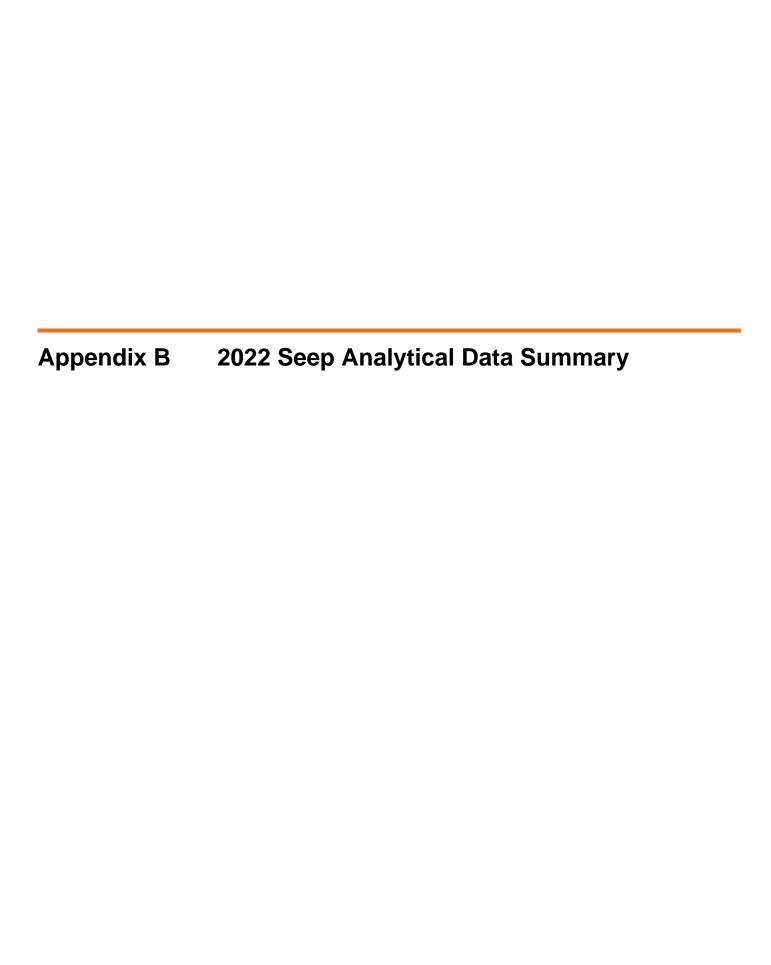
Area	Seep ID	Group Name	Comparison Permitted Monitoring Location	Easting	Northing	Elevation ¹	Rationale for inclusion in RSMP at time of inclusion
EVO	EV_SPR1B	EV_SPARWOOD_RIDGE	EV_MC2	653775	5510634	1,200	Added in 2022. Represents Sparwood Ridge area.
EVO	EV_SEEP_TURCON1	EV_BALDYRIDGEWR	EV_AQ6	654475	5511398	1,166	Selected in 2018. Potential MF influence.
EVO	EV_SEEP_HOPPER2	EV_BALDYRIDGEWR	EV_BC1	657535	5512053	1,689	Selected in 2018. Added to provide spatial coverage, concentrations above the BCWQG FWALs of selenium and nitrate.
EVO	EV_SEEP_SOUTHPIT4	EV_SOUTHSLOPE	EV_TC1	657156	5507088	1,199	Selected in 2018. High relative group loadings.
EVO	EV_SEEP_SOUTHPIT3	EV_SOUTHSLOPE	EV_TC1	657543	5506537	1,199	Selected in 2018. Oxic with high percent range group concentrations.
EVO	EV_SEEP_ERICKSON2	EV_ERICKSON_WR	EV_EC1	660488	5505986	1,345	Selected in 2018. High nitrate loadings, oxic with high percent rank nitrate concentrations.
EVO	EV_SEEP_SOUTHPIT6	EV_SOUTHPIT_PIT	EV_SP1	659577	5505500	1,217	Selected in 2018. Oxic with high percent range group concentrations.
EVO	EV_SEEP_ERICKSON1	EV_ERICKSON_WR	EV_EC1	659864	5505175	1,225	Selected in 2018. Potential MF influenced. High sulfate loadings
FRO	FR_HENSEEP3	FR_HEN_WR	FR_FR1	653292	5566949	1,742	Selected in 2018. High group loadings, suboxic with high percent rank group concentrations and parameter concentrations above the BCWQGs for FWAL
FRO	FR_HENSSEEP1	FR_HEN_WR	FR_FR1	651602	5566845	1,756	Selected in 2018. Added to provide spatial coverage.
FRO	FR_TURNSEEP1	FR_TURNBULLWREAST_WR	FR_FR1	652192	5566325	1,733	Selected in 2018. High relative group loadings, oxic with high percent rank group concentrations.
FRO	FR_TBWSEEP1	FR_TURNBULLWRWEST_WR	FR_PP1	650998	5565327	1,689	Selected in 2018. High relative group loadings during high flows, oxic with high percent rank group concentrations.
FRO	FR_TURNSEEP2	FR_TURNBULLWRWEST_WR	FR_PP1	650819	5565026	1,683	Selected in 2018. High relative group loadings during low flows, oxic with high percent rank group concentrations.
FRO	FR_FCSEEP2	FR_TURNBULLWREAST_WR	FR_CC1	651166	5565014	1,682	Selected in 2018. High relative group loadings, elevated parameters.
FRO	FR_CCSEEPE1	FR_CLODECR_WR	FR_CC1	651135	5564250	1,678	Selected in 2018. High group relative loadings.
FRO	FR_CCSEEPSE1	FR_CLODECR_WR	FR_CC1	651090	5563563	1,677	Selected in 2018. Oxic with high percent rank group concentrations.
FRO	FR_LMCWSEEP5	FR_LAKEMTN_WR_PITS	FR_LMP1	650054	5563169	1,711	Selected in 2018. High group loadings, oxic with high percent rank concentrations.
FRO	FR_EAGLENORTH	FR_EAGLE_WR	FR_EC1	651352	5562896	1,658	Selected in 2018. High group loadings, oxic with high percent rank group concentrations and parameter concentrations above the BCWQGs for FWAL.
FRO	FR_ASPSEEP1	FR_A_CCR	FR_LP1	650581	5562456	1,678	Selected in 2018. Oxic with high percent rank group concentrations and high group relative loadings.
FRO	FR_DOKASEEP1	FR_DOKA_WR	FR_NL1	652060	5562391	1,791	Selected in 2018. Added to provide spatial coverage. High percent rank concentrations and parameter concentrations above the BCWQGs for FWAL.
FRO	FR_FSEAMSEEP7	FR_DOKA_UNKNOWN	FR_NL1	652086	5562165	1,794	Selected in 2018. High group loadings, oxic with high percent rank group concentrations and parameter concentrations above the BCWQGs for FWAL.
FRO	FR_SPRWSEEP1	FR_BLAIN_CCR	FR_NL1	651785	5561644	1,719	Selected in 2018. Different catchment (north of CCR) to other group seeps. Highest cadmium loadings in group catchment.
FRO	FR_BLAKESEEP1	FR_BLAIN_CCR	FR_FR2	652324	5561442	1,776	Selected in 2018. Spatially different from other group selection.
FRO	FR_FRVWSEEP3	FR_SMITH_WR	FR_SP1	650821	5560922	1,645	Selected in 2018. Potential MF influence. Oxic, high loadings and group concentrations.
FRO	FR_STPNSEEP	FR_SOUTHTAILS_TAILINGS	FR_FR2	651078	5560665	1,628	Selected in 2018. High nitrate loadings, group concentrations and parameter concentrations above the BCWQGs for FWAL.
FRO	FR_BLAINESEEP1	FR_BLAIN_CCR	FR_FR2	652108	5560708	1,641	Selected in 2018. High group relative loadings.
FRO	FR_STPWSEEP	FR_SOUTHTAILS_TAILINGS	FR_FR2	651637	5560108	1,615	Selected in 2018. Located to the south of the STP. Oxic with high percent rank and high sulfate loadings in high flow.
FRO	FR_STPSWSEEP	FR_SOUTHTAILS_TAILINGS	FR_FR2	651946	5559971	1,607	Selected in 2018. Located to the south of the STP. High sulfate loadings in low flow.
FRO	FR_BLAINESEEP5	FR_BLAIN_CCR	FR_FR2	652556	5560083	1,636	Selected in 2018. Oxic with high percent rank group concentrations.
FRO	FR_SCRDSEEP1	FR_SWIFTWR_ROCKDRAIN_WR	FR_SCOUT	651785	5558475	1,618	Selected in 2018. Only seep in group, oxic with elevated parameters.

Area	Seep ID	Group Name	Comparison Permitted Monitoring Location	Easting	Northing	Elevation ¹	Rationale for inclusion in RSMP at time of inclusion
GHO	GH_SEEP_12	GH_PORTER_CREEK	GH_PC1	653013	5556192	1,642	Selected in 2018. Oxic with high percent rank group concentrations.
GHO	GH_SEEP_76	GH_LEASK_WR	GH_LC1	649122	5553280	1,460	Selected in 2018. Only seep in group with water quality data.
GHO	GH_SEEP_77	GH_WOLFRAM_WR	GH_WC1	649147	5552638	1,433	Selected in 2018. Added to provide spatial coverage. High relative group sulfate, nitrate, selenium, cobalt, and cadmium loadings.
GHO	GH_SEEP_79	GH_WOLFRAM_WR	GH_TC2	650369	5551888	1,601	Selected in 2018. Added to provide spatial coverage.
GHO	GH_SEEP_60	GH_THOMPSON_WR	GH_TC2	650791	5551514	1,625	Selected in 2018. Oxic with high percent rank group concentrations.
GHO	GH_SEEP_46	GH_THOMPSON_WR	GH_TC2	652023	5550668	1,875	Selected in 2018. Added to provide spatial coverage.
GHO	GH_SEEP_5	GH_THOMPSON_WR	GH_TC2	652491	5549837	1,920	Selected in 2018. Added to provide spatial coverage. High cadmium and cobalt loadings.
GHO	GH_SEEP_50	GH_UPSTREAM_CCR	GH_TC2	652132	5548940	1,755	Selected in 2018. Added to provide spatial coverage. High relative group loadings.
GHO	GH_SEEP_15	GH_UPSTREAM_CCR	GH_FC1	652502	5548763	1,778	Selected in 2018. Suboxic with high percent rang group concentrations.
GHO	GH_SEEP_30	GH_UPSTREAM_CCR	GH_FC1	652696	5548652	1,766	Selected in 2018. Added to provide spatial coverage.
GHO	GH_WTDS	GH_CCR	GH_FC1	652307	5548078	1,721	Selected in 2018. Added to provide spatial coverage.
GHO	GH_SEEP_16	GH_CCR	GH_GH1	653542	5548705	1,743	Selected in 2018. Potential MF influence.
GHO	GH_SEEP_21	GH_CCR	GH_GH1	653676	5548447	1,734	Selected in 2018. High relative group sulfate loading.
GHO	GH_SEEP_22	GH_CCR	GH_GH1	653945	5547966	1,680	Selected in 2018. High relative group nitrate and selenium loadings. Oxic with high percent rank group concentrations.
GHO	GH_SEEP_26	GH_CCR	GH_GH1	653749	5547262	1,673	Selected in 2018. Added to provide spatial coverage.
GHO	GH_W-SEEP	GH_CCR	GH_GH1	653772	5547268	1,670	Selected in 2018. Suboxic with high percent rank group concentrations.
GHO	GH_E1	GH_CCR	GH_GH1	653038	5546856	1,652	Selected in 2018. Potential MF influence.
GHO	GH_E3	GH_CCR	GH_GH1	652225	5547151	1,677	Selected in 2018. Potential MF influence.
GHO	GH_SEEP_98	GH_RAILLOOP	GH_FR1	653991	5545666	1,502	Added in 2021. Added to provide spatial coverage.
LCO	LC_UDHP	LC_DC_WR	LC_DCDS	658219	5541119	1,702	Added in 2019. Provides spatial coverage. Selenium and Nitrate concentrations above BCWQGs for FWAL.
LCO	LC_UDP1	LC_DC_WR	LC_DCDS	658040	5541412	1,680	Added in 2019. Provides spatial coverage. Selenium and Nitrate concentrations above BCWQGs for FWAL.
LCO	LC_SEEP8	LC_DC_WR	LC_DCDS	658065	5541627	1,675	Selected in 2018. Added to provide spatial coverage.
LCO	LC_SEEP19	LC_HSP_WR	LC_LC12	661708	5536262	1,598	Selected in 2018. High group loadings and oxic with high percent rank concentrations.
LCO	LC_3KM	LC_MSA_WR	LC_LC9	661151	5536174	1,625	Selected in 2018. High relative group cadmium and cobalt loadings.
LCO	LC_SEEP1	LC_MSA_WR	LC_LC9	660992	5535864	1,597	Selected in 2018. Potential MF influence.
LCO	LC_WLC_LOT2	LC_WLC_WR	LC_WLC	659828	5532439	1,496	Selected in 2018. Oxic with high percent rank group concentrations.
LCO	LC_SEEP2	LC_MAXAM	LC_LCDSSLCC	660133	5531841	1,443	Selected in 2018. Added to provide spatial coverage.
LCO	LC_SEEP15	LC_DISTURBEDWSLOPE	LC_LCDSSLCC	659898	5531949	1,464	Selected in 2018. Oxic with high percent rank group concentrations.
LCO	LC_SEEP14	LC_DISTURBEDWSLOPE	LC_LCDSSLCC	659849	5531582	1,427	Selected in 2018. Oxic with high percent rank group concentrations.
LCO	LC_SEEP10	LC_PLANT	EV_ER4	654861	5528350	1,303	Selected in 2018. Added to provide spatial coverage. High relative group loadings.

Area	Seep ID	Group Name	Comparison Permitted Monitoring Location	Easting	Northing	Elevation ¹	Rationale for inclusion in RSMP at time of inclusion
LCO	LC_SEEP11	LC_PLANT	EV_ER4	653702	5527103	1,217	Selected in 2018. High relative group nitrate and selenium loadings.

 $Sources: https://srk.sharepoint.com/sites/FS4639/Internal/!020_Site-Wide_Data/Seep_WQ_Database/Seeps_WQ_MASTER.xlsx$

¹ Elevations were estimated using Google Earth



APPENDIX B - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Eigl	d Param	otore		1		Dhysical Ba	ramotar			1		Diesa	dyad Ina	ganice		1			Nutriont	•				
		1	+	Field	a Param	eters		<u> </u>	- '	Physical Pa	ıı arrıeter	<u> </u>	1	1		DISSO	lved Inor	ganics		1		1	Nutrient	.s				
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Field ORP	Hd	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pН	mg/L	μS/cm	mV	pН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Minimum	Acute Chronic			Minimum Maximum			Acute Chronic		Acute Chronic					Acute Chronic	Acute	Chronic	Acute	Acute Chronic	Acute Chronic			Chronic		
BC WQG FWAL			n/a	6.5 9	1 5	n/a	n/a	6.5 9	n/a	n/a	25 5	n/a	8 2	n/a	n/a	n/a	n/a	600 150	0.4- ^a	128-429 ^a	0.681-28.7 ^b 0.102-2.	08 ^b 32.8 3.7	$0.06-0.60^{\circ} 0.02-0.20^{\circ}$	n/a	n/a	0.015	n/a	n/a
Coal Mountain Mine	<u> </u>		_						_			_																
CM_37PIT-SEEP-E	CM_37PIT-SEEP-E_WS_2022-07-07_NP	2022-07-07	14.8		8.3	-	6.12	8.31	709	1290	17.1	987	6.56	368	4.2		< 0.250		0.412		0.728	0.366	< 0.0050	0.87	< 0.0010		< 0.50	
CM_37PIT-SEEP-E	CM_37PIT-SEEP-E_WS_2022-09-02_NP	2022-09-28	13.1		9.82	-	71.2	8.19	476	1160	3.3	878	3.63	348	< 1.0	< 1.0	< 0.250	1.2	0.517		0.68	0.1	< 0.0050	0.982	< 0.0010		1.49	1.24
CM_37PIT-SEEP-W	CM_37PIT-SEEP-W_WS_2022-07-07_NP	2022-07-07	12.1		9.32	-	-129.1	8.37	458	1130	8.5	760	2.92		11	< 1.0	< 0.250	0.56	0.289		0.759	0.0746	< 0.0050	0.718	< 0.0010			
CM_37PIT-SEEP-W	CM_37PIT-SEEP-W_WS_2022-09-02_NP	2022-09-28	17.2		7.67	-	146.5		180	933	6.3	604	0.56		< 1.0		< 0.250	0.94	0.49		0.648	0.0948	0.0109	0.784	< 0.0010			
CM_CCDS	CM_CCDS_WS_2022-07-20_NP	2022-06-16	4.4		11.27	-	98.4	7.96	300	506	< 1.0	335	0.15		< 1.0	< 1.0	< 0.050	0.39	0.167	116	< 0.0050	0.776	< 0.0010	0.097	0.0056	0.005	0.98	0.95
CM_CS1	CM_CS1_WS_2022-07-20_NP	2022-06-16	5.5		11.03	-	57.3	8.02	365	596	< 1.0	445	0.35		< 1.0	< 1.0	< 0.050	2.16	0.238	152	< 0.0050	2.46	< 0.0010	0.173	0.0015	0.0027	0.64	0.6
CM_CS1	CM_CS1_WS_2022-09-02_NP	2022-09-15	7.1		11.11	-	119.2		314	569	< 1.0	388	0.99		< 1.0	< 1.0	< 0.050	2.83	0.358		< 0.0050	3.63	< 0.0010	0.269	0.002	0.0043		
CM_MM-SEEP1	CM_MM-SEEP1_WS_2022-07-20_NP	2022-06-16	6.3		11.44	-	91.9	7.98	614	973	< 1.0	694	0.15		< 1.0	< 1.0		2.42			< 0.0050	0.592	0.0099	0.118	< 0.0010		0.84	0.76
CM_MM-SEEP1	CM_MM-SEEP1_WS_2022-09-02_NP	2022-09-15	10.7		9.6	-	98	8.12	490	850	< 1.0	532	0.2	589	< 1.0	< 1.0	< 0.050	3.14	0.327	116	< 0.0050	0.307	< 0.0010	< 0.050	< 0.0010	< 0.0020	< 0.50	< 0.50
CM_MM-SEEP3 CM_MM-SEEP3	CM_MM-SEEP3_WS_2022-07-20_NP CM_MM-SEEP3_WS_2022-09-02_NP	2022-06-16	7.2 19.2		6.91	-	82.2	8.04	1020	1530	3.8	1320	1.4	459	< 1.0	< 1.0	< 0.250	1.18	< 0.100		0.0161	0.1 0.079	0.0052	0.337	< 0.0010 < 0.0010	0.0054	3.56	3.32
		2022-09-15			7.61 7.57	-	86.6	8.02	976	1580	9.6 12.2	1270	2.97	480	< 1.0	< 1.0	< 0.250	0.75 3.3	< 0.100		< 0.0050 0.0093	0.079	< 0.0050 < 0.0050	0.147			2.66	2.6
CM_MM-SEEP5	CM_MM-SEEP5_WS_2022-07-20_NP	2022-06-16	7.3			-	114.4		791	1170		981	2.85		< 1.0	< 1.0	< 0.250	0.93	0.203	481	< 0.0050	0.204	< 0.0050	0.083	< 0.0010		0.59	0.95
CM_MM-SEEP5	CM_MM-SEEP5_WS_2022-09-02_NP	2022-09-15 2022-06-16	4.5		8.7 13.23	-	92.6	7.9	581 1380	932	3.3	658	1.02	506	< 1.0	< 1.0	< 0.050	2.55	0.242		< 0.0050	0.0731	< 0.0010		< 0.0010 0.0031	< 0.0020 0.0066	< 0.50	< 0.50
CM_NS1 CM_NS1	CM_NS1_WS_2022-07-20_NP	2022-06-16	5.6		16.41	-	37.6 2.3	8.09 8.33	1650	1860	1.8 3.1	1720 2300	0.32		< 1.0 7.2	< 1.0 < 1.0	< 0.250	5.46	0.243	1140 1620	0.0050	0.246	< 0.0050	0.11 0.114	0.0031	0.0066	1.86 2.07	2.04 1.67
CM_NS1	CM_NS1_WS_2022-09-02_NP CM_NS4_WS_2022-07-20_NP	2022-09-14	7.9		11.27	-	70.6	8.13	768	2420 1200	1.5	997	0.23	356	< 1.0	< 1.0	< 0.250	1.74	0.252	506	< 0.0050	0.393	< 0.0050	< 0.050	< 0.0046	< 0.0097	0.94	0.93
CM_NS4	CM_NS4_WS_2022-07-20_NP CM_NS4_WS_2022-09-02_NP	2022-06-16	11.4		10.06	-	68.6	8.28	1100	1810	1.2	1540	0.8	390	< 1.0	< 1.0	< 0.250	1.74	0.252		< 0.0050	0.032	< 0.0050	< 0.050	0.0010	< 0.0020	< 0.50	< 0.50
			4.7		12.86	-							0.43		< 1.0	< 1.0		2.49		731	< 0.0050	0.032	< 0.0050	0.055				
CM_NS7 CM_NS7	CM_NS7_WS_2022-07-20_NP CM_NS7_WS_2022-09-02_NP	2022-06-16 2022-09-14	10.3		9.9	-	11.5 67.2	8.09 8.36	1020 1080	1500 1810	1.6 3.4	1250 1430	1.39		10	< 1.0	< 0.250	3.02	0.266		< 0.0050	0.0691	< 0.0050	0.055	0.003 0.0034	0.0066 0.0092	1.88 1.4	1.54 1.28
CM PLANT-SEEP1	CM_N37_W3_2022-09-02_NF CM_PLANT-SEEP1_WS_2022-07-20_NP	2022-09-14	18.1			-	23	7.97	756	1100	1.7	878	1.59		< 1.0		< 0.250	3.16	0.284		0.0226	< 0.0250	< 0.0050	0.17	< 0.0034	0.0032	1.63	0.98
CM_PLANT-SEEP1	CM PLANT-SEEP1 WS 2022-07-20 NP	2022-00-10	10.7		3.94	-	-103.6	7.83	800	1200	9.5	928	60.3	587	< 1.0	< 1.0	< 0.250	3.17	0.264	361	0.103	0.0262	< 0.0050	0.118	< 0.0010	0.0033	0.73	0.59
CM_PLANT-SEEPT	CM WD15 WS 2022-09-02 NP	2022-09-15	7.7		11.11	 	120.9	8.25	1250	1900	2	1830	0.27	262	< 1.0	< 1.0	< 0.250	3.17	0.20	1170	< 0.0050	1.08	< 0.0050	0.118	0.0010	0.0040	1.52	1.79
CM_WD15	CM_WD15_WS_2022-07-20_NP CM_WD15_WS_2022-09-02_NP	2022-06-15	8.4		11.64		160	8.32	1570	2350	2.7	2090	0.27		6.5	< 1.0	< 0.250	3.94	0.17		< 0.0050	0.337	< 0.0050	0.097	0.0012	0.0052	0.67	0.74
CM_WD15	CM_WD15_W3_2022-09-02_NF CM_WD15_WS_2022-09-19_NP	2022-09-14	5.4	7.00	11.04	 	- 100	8.32	1530	2330	< 1.0	2280	0.36		4.4	< 1.0	< 0.250	4.16	0.145		< 0.0050	0.35	< 0.0050	0.108	0.0042	0.0057	0.07	0.74
CM_WD15	CM_WD15_WS_2022-09-19_NP	2022-09-19	6		12.62	 	122.9		1330	1990	2	1770	0.13		5.6	< 1.0	< 0.250	2.55	0.143	1170	< 0.0050	1.19	< 0.0050	0.091	< 0.0037	0.0037	1.1	1.07
CM_WD15-SOURCE	CM_WD15-SOURCE_WS_2022-07-20_NP	2022-00-13	6.8		15.01	L -	143.3		1680	2380	1.5	2220	< 0.10		8.2	< 1.0	< 0.250	3.81	0.17		< 0.0050	0.474	< 0.0050	0.411	< 0.0010	< 0.0033	0.58	< 0.50
CM_WD15-SOURCE	CM WD15-SOURCE WS 2022-09-02 NP	2022-09-14	- 0.0	-	-	-	-	8.29	1640	2390	< 1.0	2370	0.21		< 1.0	< 1.0	< 0.250	3.85	0.140		0.0064	0.5	< 0.0050	0.112	0.0031	0.0020	0.61	0.97
CM WD18	CM WD18 WS 2022-09-19 NP	2022-09-19	6.3		12.5	-	111.4		1260	1880	3	1700	0.33		4.2	< 1.0	< 0.250	3.32	0.100		0.0088	0.661	< 0.0050	0.109	< 0.0031	0.005	1.46	1.34
CM WD18	CM WD18 WS 2022-09-02 NP	2022-00-13	9.6		11.49	-	113.7	8.38	1690	2460	4.1	2380	0.36		12.1	< 1.0	< 0.250	4.87	0.176	1640	< 0.0050	0.515	< 0.0050	0.219	0.0041	0.006	0.74	0.68
CM WD19	CM WD19 WS 2022-07-20 NP	2022-06-15	5.1	8.22	12.47	-	89	8.3	1000	1600	4	1420	0.51	276	4.6	< 1.0	< 0.250	3.44	0.213	871	< 0.0050	0.766	< 0.0050	0.103	< 0.0010	0.0051	1.45	1.35
CM WD19	CM WD19 WS 2022-09-02 NP	2022-09-14	6.8			-	90.9		1200	1920	1.8	1810	0.53		6.8	< 1.0		3.56	0.177		< 0.0050	0.111	< 0.0050	0.07	0.0026	0.0048		
CM WD4	CM WD4 WS 2022-03-02 NP	2022-06-15	5.4		12.35	-	106.3	8.28	503	881	1.4	694	1.18		< 1.0	< 1.0	< 0.250	0.39	0.177	336	< 0.0050	0.265	< 0.0010	< 0.050	0.0026	0.0040	2.02	1.73
CM WD4	CM WD4 WS 2022-09-02 NP	2022-09-14	6.2		14.6	-	246.4		718	1150	1.1	966	0.35	269	< 1.0	< 1.0	< 0.250	1.01	0.145		< 0.0050	0.166	< 0.0050	0.059	0.011	0.0119	0.84	0.74
CM WD7	CM WD7 WS 2022-07-20 NP	2022-06-15	5.3		11.54	-	107.8		354	634	10.6	417	2.7		7.3	< 1.0	< 0.050	0.19	0.238	104	0.0059	0.42	< 0.0010	0.301	0.004	0.013	2.68	2.18
CM WD7	CM WD7 WS 2022-09-02 NP	2022-09-14	9.2			-	204.2		480	765	10.2		5.41		9.2		< 0.050	0.32	0.194		< 0.0050	< 0.0050	< 0.0010	0.145	0.0017	0.0045	1.01	1.06
						1																						

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX B - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	l Parame	eters			Physical Pa	arameter	s				Disse	olved Ino	rganics					Nutrient	s				
																											pon
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Н	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbo
Location	ID	(yyyy-mm-dd)	С	pН	mg/L	μS/cm mV	рН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a	Minimum 6.5 Maximum	T Acute	n/a n/a	Minimum 6.5		n/a	52 Acute c Chronic		% Acute		n/a	n/a	n/a	00 Acute Chronic	Acute	20 Sinouri 20 Sinouri	Acute	Acute	O.06-0.60° 0.02-0.20°	n/a	n/a	Chronic 0.015	n/a	n/a
Elkview Operation				0.0 0		1,04 1,74	0.0	11/04		120 0	11/4	10 -	1.70		.,,	11/4	1000 .0.	,	1.20 .20	0.00 / 20.1	0 02.0 0	0.00 0.00 0.02 0.20	1.00	11/4	0.0.0	1.70	- 1,70
EV_CN1	EV_CN1_WS_2022-05-18_NP	2022-05-18	5.6						824	< 1.0		0.1		< 1.0		< 0.050			213	< 0.0050	1.61	0.0015	0.213	0.0032		< 0.50	
EV_CN1	EV_CN1_WS_2022-06-29_NP	2022-06-29	6.5		10.29				852	< 1.0		0.13		10.7		< 0.050			194	< 0.0050	1.46	< 0.0010	0.219	0.0027	0.0083		
EV_CN1 EV CN1	EV_CN1_WS_2022-07-14_NP EV_CN1_WS_2022-07-20_NP	2022-07-14 2022-07-20	4.9 7.6	7.94 8.03	10.27 9.81	- 169.7 - 97.1			916 938	< 1.0 1.2	699 732	0.18		< 1.0 < 1.0	< 1.0 < 1.0	< 0.050 < 0.250		0.172	267 303	< 0.0050 0.077	1.78 1.8	0.0011 < 0.0050	< 0.050 0.286	0.0074 0.0024	0.0085	< 0.50 < 0.50	
EV CN1	EV CN1 WS 2022-08-25 NP	2022-08-25	7.3	7.97		- 134.1	8.24		1040	< 1.0		0.2		< 1.0	< 1.0	< 0.250			401	< 0.0050	2.08	< 0.0050	-	0.008	0.0073	< 0.50	
EV_CN1	EV_CN1_WS_2022-09_SA_NP	2022-09-27	10.8	7.98		- 159.8	8.28	652	1100	2.3	859	0.32	376	< 1.0	< 1.0	< 0.250	2.64	0.183	419	< 0.0050	2.25	< 0.0050	0.098	0.0054	0.0076	< 0.50	< 0.50
EV_CN1	EV_CN1_WS_2022-10-20_NP	2022-10-20	-	-	-		8.18		1100	< 1.0		< 0.10		< 1.0	< 1.0	< 0.250		0.189		< 0.0050	2.26	< 0.0050	0.202	0.0071	0.0072		< 0.50
EV_SEEP_10MILE5 EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-05-18_NP EV_SEEP_10MILE5_WS_2022-06-29_NP	2022-05-18 2022-06-29	6 8.5	8.01	10.67 9.8	- 195.4 - 164.9			1000 1040	6.6	739 745	0.19		< 1.0 5	< 1.0 < 1.0	< 0.250 < 0.250	9.69 9.12	< 0.101		< 0.0050 0.0078	3.05 1.57	< 0.0050 < 0.0050	0.322 4.08	< 0.0010 < 0.0010	0.0078	1.26 1.29	1.26 0.87
EV_SEEP_TOMILES EV_SEEP_TOMILES	EV_SEEP_10MILE5_WS_2022-00-29_NP EV_SEEP_10MILE5_WS_2022-07-14_NP	2022-06-29	9.6	8.13	9.38	- 201.4	8.26		1040	4	803	1.59		< 1.0	< 1.0	< 0.250	11.6	0.198		< 0.0078	1.67	0.0121	0.274	0.0010	0.0029	< 0.50	
EV SEEP 10MILE5	EV SEEP 10MILE5 WS 2022-07-20 NP	2022-07-20	9.9	8.12	9.26	- 96.2			1030	< 1.0		0.31		1.1	< 1.0	< 0.250			341	0.0721	1.54	7.73	0.361	0.001	0.0027	0.78	1.09
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-08-24_NP	2022-08-24	8	7.9	9.8	- 116.9			1070	14.7		3.79		< 1.0	< 1.0	< 0.250	10.8	0.116		0.0954	1.62	< 0.0050	0.375	< 0.0010	0.01	0.72	0.58
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-09_SA_NP	2022-09-28	10.6	8.18		- 147.4			1080	74.3		18.5		< 1.0		0.00		0.125		< 0.0050	1.45	< 0.0050	0.328	< 0.0010	0.0389		
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-05-19_NP	2022-05-19	5.4	6.24		- 194.7			527	80.7		62		< 1.0	< 1.0	0.882	72.5		11.7	0.0111	0.221	0.0056	< 0.050	0.0951	0.336	2.54	
EV_SEEP_10MILE9 EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-06-29_NP EV_SEEP_10MILE9_WS_2022-07-20_NP	2022-06-29 2022-07-20	7.7	6.37 6.41		- 192 - 128.8	7.8 6.75		534 513	95 3.4	388 391	37.5 2.22		< 1.0 < 1.0	< 1.0 < 1.0	0.919	71.1 58.8	0.113	13.8 13.2	< 0.0050 0.0116	0.233 0.172	< 0.0010 < 0.0010	0.77 0.132	0.104 0.104	0.208 0.117	1.08	1.16
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-07-20_NP EV_SEEP_10MILE9_WS_2022-08-24_NP	2022-07-20	8.5	6.67	3.31	- 104.9			474	2	313	3.91		< 1.0	< 1.0	0.731	52.2	0.116		< 0.0050	0.172	< 0.0010	< 0.050	0.0994	0.0972	1.08	1.01
EV SEEP 10MILE9	EV SEEP 10MILE9 WS 2022-09 SA NP	2022-09-28	11.8	6.35		- 170			405	1.6	252	0.61		< 1.0	< 1.0	0.441	34.4	0.135		< 0.0050	0.175	< 0.0010	< 0.050	0.102	0.11	0.62	
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-10-20_NP	2022-10-20	-	-	-		6.81		368	10.5	178	3.8		< 1.0	< 1.0	0.382	28.7	0.125		< 0.0050	0.162	< 0.0010	< 0.050	0.107	0.0914	1.18	0.65
EV_SEEP_BREAKERLAKE	EV_SEEP_BREAKERLAKE_WS_2022-06_SA_NP	2022-07-14	15.6		7.75	- 151.9			513	10.8		7.94		< 1.0			67.8		13.2	< 0.0050	0.205	0.0061	0.079	0.104	0.104	0.93	
EV_SEEP_BREAKERLAKE	EV_SEEP_BREAKERLAKE_WS_2022-09_SA_NP	2022-09-27	9.2	7.68	5.88 7.48	- 161.5	8.19		952 838	31.4	700	35.4		< 1.0	< 1.0	< 0.250	12.1	0.243		0.0211 0.129	0.176 0.0339	< 0.0050 0.0025	0.24	< 0.0010	0.0371	7.75	1.29
EV_SEEP_CFI1 EV SEEP CFI1	EV_SEEP_CFI1_WS_2022-06_SA_NP EV_SEEP_CFI1_WS_2022-09_SA_NP	2022-07-07 2022-09-26	18.1 14.1	7.92 7.86	8.05	- 54 92.8	8.22 8.1	489 530	805	7.2 6.9	466 427	4.38 4.71		< 1.0 < 1.0	< 1.0 < 1.0	0.059	7.39 6.58	0.311	< 0.33	0.129	0.0339	0.0025	0.203	< 0.0010 < 0.0010	0.0039 0.0027	1.58 1.25	1.39
EV_SEEP_CFI2	EV SEEP CFI2 WS 2022-06 SA NP	2022-07-08	15.2	8.06	8.57	- 147.4			909	2.7		1.34		< 1.0		< 0.250			78.3	< 0.0050	< 0.0250	< 0.0050	0.084	< 0.0010	0.0027	1.66	1.63
EV_SEEP_CFI2	EV_SEEP_CFI2_WS_2022-09_SA_NP	2022-09-26	14.3	8.08	9.09	- 177.4	8.11	596	872	< 1.0	492	0.62		< 1.0	< 1.0	< 0.250			63.5	0.0107	< 0.0250	< 0.0050	0.252	< 0.0010	0.0186	1.62	1.43
EV_SEEP_ERICKSON1	EV_SEEP_ERICKSON1_WS_2022-06_SA_NP	2022-07-13	6.9			128.3			1050	7.9	870	43.9		< 1.0	< 1.0	< 0.250			528	0.0792	0.0259	< 0.0050	0.06	< 0.0010	0.0054	30	< 0.50
EV_SEEP_ERICKSON1	EV_SEEP_ERICKSON1_WS_2022-09_SA_NP	2022-10-05	7	7.5	1.34	102.2	7.95		1000	6.3	818	42.1		< 1.0	< 1.0	< 0.250	4.32	0.237		0.0815	0.364	< 0.0050	0.099	< 0.0010	0.0046	< 0.50	
EV_SEEP_ERICKSON2 EV SEEP ERICKSON2	EV_SEEP_ERICKSON2_WS_2022-06_SA_NP EV_SEEP_ERICKSON2_WS_2022-09_SA_NP	2022-07-07 2022-09-28	14.2 12.2	8.24 8.15	9.65	- 184.3 - 138.1	8.5 8.32		626 3050	< 1.0 5.3	432 3140	1.03		7.2	< 1.0 < 1.0	< 0.050 < 0.250		0.204	79.1 2060	0.0071 < 0.0050	0.564 13.8	0.0017 < 0.0050	0.222 0.455	0.0448 0.0386	0.0446 0.0405	11.8 3.06	4.12 2.94
EV_SEEP_ERICKSON2 EV SEEP HOPPER2	EV_SEEP_ERICKSON2_W3_2022-09_SA_NP EV_SEEP_HOPPER2_WS_2022-06_SA_NP	2022-09-28	16.8	8.27	7.9	- 158.5			3780	18.3	3800	1.17		< 1.0	< 1.0	< 0.500			2560	0.0141	30.9	0.0103	0.455	< 0.0010	0.0403	0.65	0.64
EV_SEEP_HOPPER2	EV_SEEP_HOPPER2_WS_2022-09_SA_NP	2022-09-27	12.6	7.98	9.1	- 215.6			2920	128	2780	23.7	351	< 1.0	< 1.0	< 0.250	7.29		1800	< 0.0050	18.9	0.0141	0.398	< 0.0010	< 0.0020	2.26	0.92
EV_SEEP_PLANT1	EV_SEEP_PLANT1_WS_2022-06_SA_NP	2022-07-08	13.1	8.08		- 138.1	8.12		1020	5.6	605	4.15		< 1.0	< 1.0	< 0.250	69.3	0.282		< 0.0050	< 0.0250	< 0.0050	0.165	< 0.0010	0.0124		2.46
EV_SEEP_PLANT10	EV_SEEP_PLANT10_WS_2022-06_SA_NP	2022-07-08	18.3			186.2	7.69		2490	286		227		< 1.0	< 1.0	< 0.250	103		859	0.921	0.0852	< 0.0050	2.92	< 0.0010	0.148	125	0.71
EV_SEEP_PLANT11 EV SEEP PLANT11	EV_SEEP_PLANT11_WS_2022-06_SA_NP EV_SEEP_PLANT11_WS_2022-09_SA_NP	2022-07-07 2022-09-26	18 9.7	7.99 7.88	6.92 7.73	- 168.4 - 152	8.3 8.13		1140 1180	1.4 3.1		0.2		< 1.0 < 1.0	< 1.0 < 1.0	0.668	93.9 88.8	0.174		< 0.0050 < 0.0050	< 0.0250 < 0.0250	< 0.0050 < 0.0050	0.208 0.148	0.0017 0.0013	0.0057 0.0044		3.03 2.87
EV_SEEP_PLANT11	EV SEEP PLANT23 WS 2022-06 SA NP	2022-09-20	13.1			- 187.7			1340	< 1.0		0.22		< 1.0	< 1.0	0.04	28.6	0.179		< 0.0050	0.349	< 0.0050	0.146	< 0.0013	0.0044	1.06	1.23
EV_SEEP_PLANT23	EV_SEEP_PLANT23_WS_2022-09_SA_NP	2022-09-26	13.9			- 196.9			1320	3.5	1030	0.84		< 1.0	< 1.0	< 0.250	23	0.164		< 0.0050	0.237	< 0.0050	< 0.050	< 0.0010	< 0.0020		0.98
EV_SEEP_SOUTHPIT3	EV_SEEP_SOUHTPIT3_WS_2022-06_SA_NP	2022-07-13	14.5	8.33	8.9	- 40.9	8.54		467	1.1	306	0.18		9.2	< 1.0	< 0.050	0.31	0.106		< 0.0050	0.0069	< 0.0010	0.059	0.0175	0.0191	2.9	2.82
EV_SEEP_SOUTHPIT3	EV_SEEP_SOUTHPIT3_WS_2022-09_SA_NP	2022-09-30	13.7	7.89		- 156			705	4.7	468	< 0.10		< 1.0	< 1.0	< 0.050			72.6	< 0.0050	0.0053	< 0.0010	0.327	0.0154	0.03	3.94	4.05
EV_SEEP_SOUTHPIT4 EV SEEP SOUTHPIT4	EV_SEEP_SOUTHPIT4_WS_2022-06_SA_NP EV_SEEP_SOUTHPIT4_WS_2022-09_SA_NP	2022-07-13 2022-09-30	9.2	7.29	2.25 4.82	743 50.3			688 665	5.5 3.2	413 389	0.69 1.56		< 1.0 < 1.0	< 1.0 < 1.0	< 0.050 < 0.050	1.29 1.14	0.742	7.01 0.97	0.844 1.1	0.0081	< 0.0010 0.0012	1.14 1.24	< 0.0010 < 0.0010	0.0364 0.0186	1.38	1.31 2.22
EV_SEEP_SOUTHPIT6	EV_SEEP_SOUTHPIT4_WS_2022-09_SA_NP EV_SEEP_SOUTHPIT6_WS_2022-06_SA_NP	2022-09-30	11.6	7.92	8.38	- 107.2			2600	3.6	2720	0.46		< 1.0	< 1.0	< 0.050	2		1780	0.0065	0.0096	< 0.0012	0.202	< 0.0010	0.0033	6.26	6.3
EV_SEEP_SOUTHPIT6	EV_SEEP_SOUTHPIT6_WS_2022-09_SA_NP	2022-10-04	14.4	7.51	6.86	- 186.8	7.78		2710	4.6	2650	0.74		< 1.0	< 1.0	< 0.250	2.32		1920	< 0.0050	0.294	< 0.0050	0.194	0.0012	0.0056	5.15	4.96
EV_SEEP_TURCON1	EV_SEEP_TURCON1_WS_2022-06_SA_NP	2022-07-08	9.5	7.19		77.1	7.48		920	< 1.0		0.51	415	< 1.0	< 1.0	0.406	66.1	0.248	111	0.127	0.15	0.0025	0.234	0.004	0.014	1.57	1.65
EV_SEEP_TURCON1	EV_SEEP_TURCON1_WS_2022-09_SA_NP	2022-09-27	7.7	7.14		149.1			910	1.9	577	1.19		< 1.0	< 1.0	0.329	41.8	0.253		0.339	0.126	< 0.0050	0.378	< 0.0010	0.01	< 0.50	
EV_SPR1B	EV_SPR1B_WS_2022-04_QRT_NP	2022-06-01	7.4	7.66	8.8	- 155.7			788	2.4		0.65		5	< 1.0	< 0.050	0.55	0.242		< 0.0050 < 0.0050	0.0155 < 0.0250	< 0.0010	0.3	< 0.0010	0.0312		
EV_SPR1B EV WLAGC	EV_SPR1B_WS_2022-07_QRT_NP EV_WLAGC_WS_2022-06_SA_NP	2022-09-01 2022-07-08	11.4 14.2	7.47 7.74	5.63 7.22	- 60.2 18			877 618	5.3	555 321	2.97 4.36		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250	0.98 15.9	0.233		< 0.0050 0.0572	0.0250	< 0.0050 < 0.0010	0.052 0.199	< 0.0010 < 0.0010	0.0048 < 0.0020	1.28 45	1.44 1.85
EV_WLAGC	EV WLAGC WS 2022-00 SA NP	2022-07-08	8.3	7.64		44.2		334	551	2.2	309	5.09		< 1.0	< 1.0	0.096	11.9	0.328		0.0966	0.0136	< 0.0010		< 0.0010	0.0020	1.2	1.24
																								2.22.0			

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX B - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

		Ī		Field	Parame	eters			Physical	Paramete	'S				Disse	olved Ino	rganics					Nutrient	s				
																											uo
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity Field ORP	Ha	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	рН	mg/L	μS/cm m\	рŀ	l mg/	L μS/cr	n mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a (9.9 Minimum 9.0 Maximum	Acute Chronic	n/a n/a	Winimum 6.5	9 n/a	n/a	S Acute Chronic	n/a	∞ Acute	2 n/a	n/a	n/a	n/a	Acute Chronic	Acute	Chronic	9 HO O,681-28.7 ^b 0.102-2.08	Acute	O.06-0.60° 0.02-0.20°	n/a	n/a	Chronic Chronic	n/a	n/a
Fording River Operation			II/a	0.5 9	1 3	11/4 11/4	0.5	3 II/a	11/4	25 5	II/a	10 4	I II/a	II/a	II/a	11/a	1000 130	0.4-	120-429	0.001-20.7 0.102-2.00	0 32.0 3.7	0.00-0.00 0.02-0.20	II/a	II/a	0.013	II/a	11/a
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-02_NP	2022-01-02	10.17	7.51	8.23	- 129	2 7.7	3 110	1760	1.1	1290	0.22	402	< 1.0	< 1.0	< 0.250	2.12	0.181	766	0.0068	21.4	< 0.0050	5.46	0.0086	0.011	2.71	2.6
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-05_NP	2022-01-05	10.89	7.55	7.92	- 87.7	_							< 1.0		< 0.250		0.131		0.0626	31.7	0.0065	0.483	0.107	0.094	0.66	0.72
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-07_NP	2022-01-07	11.6	7.6	7.6	- 78.:					_	_		< 1.0		< 0.250		0.175		0.0138	22.3	< 0.0050	< 0.050	0.0094	0.0103	2.57	2.11
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-12_NP FR_ASPSEEP1_WS_2022-01-14_NP	2022-01-12 2022-01-14		7.61 7.39	7.79	- 101. - 157.							002	< 1.0 < 1.0		< 0.250		0.148	835 796	< 0.0050 < 0.0050	23.1 24.1	< 0.0050 0.0504	< 0.050 0.248	0.0096 0.0095	0.0094 0.0107	1.63 2.42	1.93 1.89
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-14_NP FR_ASPSEEP1_WS_2022-01-19_NP	2022-01-14			8.16	- 103					1490 1580	_		< 1.0				0.145		0.0052	25.7	< 0.0050	0.246	0.0095	0.0107		2.14
FR ASPSEEP1	FR ASPSEEP1 WS 2022-01-19 NP	2022-01-19				- 99								< 1.0				0.118		< 0.0050	25.4	0.0136	< 0.050	0.0091	0.0094	2.12	
FR ASPSEEP1	FR ASPSEEP1 WS 2022-01-26 NP	2022-01-26		7.57	8.1	- 157				3.8	1520	_		< 1.0		< 0.250			800	0.0062	25.2	< 0.0050	< 0.050	0.0084	0.0146	2.27	1.87
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-29_NP	2022-01-29	9.66	7.9	8.31	- 116	7 7.9	120	1890	2.1	1490	0.99		< 1.0	< 1.0	< 0.250	1.66	0.134	784	0.0113	24.5	< 0.0050	< 0.050	0.0106	0.0114	2.76	2.2
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-02_NP	2022-02-02	9.54	6.78		- 69.								< 1.0		< 0.250			813	0.0226	25.4	< 0.0050	0.464	0.0058	0.0196		2.14
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-03_NP	2022-02-03	9.66	7.74		- 54					_			< 1.0		< 0.250		0.167		< 0.0050	25.4	< 0.0050	0.294	0.0095	0.0094	2.32	2.52
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-04_NP	2022-02-04	10.06	7.63		- 119	-				1550			< 1.0		< 0.250		0.163		0.0099 < 0.0050	25.6 25.8	0.0087	< 0.050	0.0099	0.0107	1.97	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-05_NP FR_ASPSEEP1_WS_2022-02-06_NP	2022-02-05 2022-02-06	12.54	7.7 7.51	7.52 7.92	- 86. - 69.					1520 1740			< 1.0 < 1.0		< 0.250		0.186	851 828	0.0050	25.3	< 0.0050 < 0.0050	< 0.050 0.567	0.0098 0.0067	0.012 0.0197	2.24	2.51
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-00 NP	2022-02-00	-	-	-	- 09.	7.7							< 1.0		< 0.250			780	0.0236	23	< 0.0050	0.381	0.0007	0.0159	2.46	1.99
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-08 NP	2022-02-08	-	-	-		7.6					_		< 1.0		< 0.250		0.205		< 0.0050	24.3	0.0058	< 0.050	0.008	0.0098		2.36
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-09_NP	2022-02-09	8.75	7.62	8.89	- 77.	7.8	7 984	1730	136	1540	257	392	< 1.0	< 1.0	< 0.250	1.91	0.258	728	0.0094	22.8	0.0082	0.526	0.018	0.445	75.2	2.03
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-10_NP	2022-02-10		7.62	7.66	- 82.					1560			< 1.0		< 0.250		0.265		0.0139	24.9	< 0.0050	0.4	0.0102	0.0207	3.33	3.52
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-11_NP	2022-02-11		7.62	7.79	- 119					1520			< 1.0		< 0.250		0.273		< 0.0050	24.4	< 0.0050	< 0.050	0.0093	0.0183	2.62	1.98
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-12_NP	2022-02-12		7.82	9.2	- 98.					1640			< 1.0		< 0.250			796	0.013 < 0.0050	24.2	< 0.0050	< 0.050	0.0107	0.0164	2.21	2.1
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-13_NP FR_ASPSEEP1_WS_2022-02-14_NP	2022-02-13 2022-02-14	10.14	7.4 7.55	8.26 7.76	- 157 - 179								< 1.0 < 1.0		< 0.250		0.144		< 0.0050	24.4	< 0.0050 0.0081	< 0.050 < 0.050	0.0097	0.0415 0.013	7.6 1.96	1.94 1.99
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-14_NP FR_ASPSEEP1_WS_2022-02-15_NP	2022-02-14	11.4	7.56	7.86	- 181					1590			< 1.0		< 0.250		0.144		< 0.0050	25.7	< 0.0050	0.251	0.0097	0.015	2.17	1.88
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-16 NP	2022-02-16	11.28	7.58	7.97	- 100								< 1.0		< 0.250		0.167		< 0.0050	26	< 0.0050	< 0.050	0.0094	0.0257	2.51	2.37
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-17 NP	2022-02-17		7.41	7.24	- 114						_		< 1.0					846	< 0.0050	25.4	< 0.0050	< 0.050	0.0098	0.0126		
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-18_NP	2022-02-18	7.67	7.67	9.27	- 100	2 7.9	3 120	1960	1.1	1600	0.82	421	< 1.0	< 1.0	< 0.250	1.98	0.35		< 0.0050	26.9	0.0314	< 0.050	0.0097	0.0122	2.34	2.11
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-19_NP	2022-02-19	8.87	7.73		- 117					1430			< 1.0					895	< 0.0050	26.1	< 0.0050	0.245	0.0104	0.0102		
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-20_NP	2022-02-20	10.3	7.6	8.13	- 105					1380			< 1.0		< 0.250			874	0.0083	25.5	< 0.0050	< 0.050	0.01	0.0096	2.02	2.4
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-21_NP FR_ASPSEEP1_WS_2022-02-22_NP	2022-02-21 2022-02-22	11.9 12	7.53	7.5 7.69	- 220 - 156					1790 1770			< 1.0 < 1.0		< 0.250		0.17	890 917	0.014 < 0.0050	28.1 26.9	< 0.0050 < 0.0050	< 0.050 0.417	0.01	0.0111	2.44	2.3 3.82
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-22 NP	2022-02-22	10.4	7.57	7.72	- 153					1740			< 1.0		< 0.250		0.174		< 0.0050	26.8	< 0.0050	< 0.050	0.009	0.012		1.91
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-24 NP	2022-02-24		7.76		- 99.	_							< 1.0		< 0.250			949	0.0066	28.3	< 0.0050	0.277	0.01	0.0114		2.49
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-25_NP	2022-02-25	11.38	7.7	8.04	- 104	7 7.7			9.6	1680	3.6		< 1.0	< 1.0	< 0.250		0.175		< 0.0050	27.4	< 0.0050	0.383	0.0106	0.0091	1.85	1.62
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-26_NP	2022-02-26	8.98	7.86	10.5	- 89.3					1860			< 1.0	< 1.0	< 0.250		0.169	903	< 0.0050	27.2	< 0.0050	0.327	0.0094	0.0117	4.7	2.22
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-27_NP	2022-02-27	9.8	7.86	9.39	- 124					_			< 1.0					901	< 0.0050	27.1	< 0.0050	< 0.050	0.0086	0.0102		
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-28_NP	2022-02-28		7.53	7.61	- 165					1760			< 1.0		< 0.250		0.148		< 0.0050 < 0.0050	26.9 27.2	0.0056	< 0.050	0.0085	0.0125		2.24
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-02_NP FR_ASPSEEP1_WS_2022-03-03_NP	2022-03-02 2022-03-03	12.84 11.75	7.66 7.7	7.53 7.83	- 119 - 160			_		1660 1680	_		< 1.0 < 1.0		< 0.250			900 886	< 0.0050	26.7	< 0.0050 < 0.0050	< 0.050 < 0.050	0.0096	0.01 0.0201	1.74 2.52	
FR_ASPSEEP1	FR ASPSEEP1 WS 2022-03-04 NP	2022-03-03	6.46		10.17	- 110					1540			< 1.0		< 0.250		0.166		< 0.0050	27.6	< 0.0050	< 0.050	0.0008	0.0201	2.37	1.94
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-05_NP	2022-03-05	11.9	7.63		- 164					1800	_		< 1.0		< 0.250			882	< 0.0050	27.3	< 0.0050	0.286	0.0063	0.0123	2.2	1.85
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-06_NP	2022-03-06	10.5			- 137					1700			< 1.0		< 0.250		0.157		< 0.0050	27.1	< 0.0050	< 0.050	0.0089	0.0125	2.3	2.36
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-07_NP	2022-03-07	11.73	7.93		- 107								< 1.0		< 0.250		0.157		< 0.0050	27.6	< 0.0050	0.384	0.01	0.054	5.74	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-08_NP	2022-03-08	10.85	7.8	8.06	- 101	_							< 1.0		< 0.250			900	< 0.0050	26.7	< 0.0050	0.301	0.0112	0.033	2.25	1.75
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-09_NP FR_ASPSEEP1_WS_2022-03-10_NP	2022-03-09 2022-03-10	11.5 12.4	8 7.6	8.07 7.82	- 139 - 115	_							< 1.0 < 1.0		< 0.250			920 910	0.0143 < 0.0050	28 27.5	< 0.0050 < 0.0050	< 0.050 0.41	0.0098 0.0062	0.0557 0.0114	2.93	1.79 2.04
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-10_NP FR_ASPSEEP1_WS_2022-03-11_NP	2022-03-10		7.62	9.58	- 115 - 113	_	1 129		3.6	1/20	1.32	447	< 1.0 -	< 1.0	< 0.250	4.2	0.166	910	< 0.0050	- 27.5	< 0.0050	0.41	0.0062	0.0114	2.24	2.04
FR ASPSEEP1	FR ASPSEEP1 WS 2022-03-11 NP	2022-03-11	12	7.6	7.4	- 66.	-				1600	_	_	< 1.0	_	< 0.250	3.13	0.194		< 0.0050	26	< 0.0050	0.356	0.0074	0.0119	2.17	2.62
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-13_NP	2022-03-13	11.4	7.7	7.9	- 140						19.3		< 1.0		< 0.250		0.162		< 0.0050	25	< 0.0050	0.548	0.006	0.046	4.59	2.1
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< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX B - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	Parame	eters			F	Physical Pa	arameter	'S				Disso	olved Inor	rganics					Nutrients	S				
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Field ORP	Нd	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pH	mg/L	μS/cm	mV	pH	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Minimum Maximum	Acute Chronic			Minimum Maximum			Acute Chronic		Acute					Acute Chronic	Acute	Chronic	Acute	Acute Chronic	Acute			Chronic		
BC WQG FWAL			n/a	6.5 9	1 5	n/a	n/a	6.5 9	n/a	n/a	25 5	n/a	8 2	n/a	n/a	n/a	n/a	600 150	0.4- ^a	128-429 ^a	0.681-28.7 ^b 0.102-2.08 ^b	32.8 3.7	$0.06-0.60^{\circ} 0.02-0.20^{\circ}$	n/a	n/a	0.015	n/a	n/a
Fording River Operation	ED 4000EED4 W0 0000 00 44 ND	0000 00 11	144451	7.00	0.00		00.4	7.54	1000	1010		1500	1 00	147			1 . 0 050	0.07	0.450		10.0050	07.4	10.0050	0.440	0.0044	0.0440		0.50
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-14_NP FR_ASPSEEP1_WS_2022-03-15_NP	2022-03-14 2022-03-15	11.15 13.54	7.69	8.08 7.28		83.1 116.7	7.54 7.61	1360 1200	1940 1900	3.9 4.4	1580 1680			< 1.0 < 1.0	< 1.0	< 0.250 < 0.250		0.156 0.16	897 856	< 0.0050 < 0.0050	27.4 25.7	< 0.0050 < 0.0050	0.442	0.0044	0.0118 0.0329	2.31 3.6	2.56
FR_ASPSEEP1	FR ASPSEEP1 WS 2022-03-16 NP	2022-03-15	10.24	7.7	8.51	-	99.9	7.68	1230	1950	11.8	1690			< 1.0	< 1.0	< 0.250		0.183	875	< 0.0050	26.1	< 0.0050	0.208	0.0069	0.0329	3.46	2.46
FR ASPSEEP1	FR ASPSEEP1 WS 2022-03-17 NP	2022-03-10	7.88	7.78	9.95		137.3	7.75	1370	1910	10.4	1840			< 1.0	< 1.0	< 0.250		0.158	861	< 0.0050	26	< 0.0050	< 0.050		0.0291	3.73	2.55
FR ASPSEEP1	FR ASPSEEP1 WS 2022-03-18 NP	2022-03-18	10.6	7.4	8.3	-	176	7.82	1180	1880	3	1650			< 1.0	< 1.0	< 0.250		0.165	842	< 0.0050	24.8	< 0.0050	< 0.050		0.0157	2.45	2.45
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-19_NP	2022-03-19	11.9	7.64	7.67	-	138.3	7.87	1160	1860	< 1.0	1570	3.43		< 1.0	< 1.0	< 0.250		0.159	817	< 0.0050	24.8	< 0.0050	0.376	0.0102	0.0098	2.59	2.55
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-20_NP	2022-03-20	11.6		7.66		126.3	7.83	1190	1850	1.1	896			< 1.0	< 1.0	< 0.250		0.15		< 0.0050	23.8	0.0103	0.46	0.009	0.027	4.69	2.22
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-21_NP	2022-03-21	12.12	7.66	7.7		143.9	7.78	1270	1980	14.6	1800			< 1.0	< 1.0	< 0.250		0.212	957	< 0.0050	28.4	< 0.0050	< 0.050	0.0085	0.019	3.03	2.52
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-22_NP	2022-03-22	10.26	7.7	8.5		104.6	7.82	1280	2060	7.5	1740			< 1.0		< 0.250		0.218		< 0.0050	26.8	0.0062	0.393	0.0104	0.0217	3.31	2.51
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-23_NP FR_ASPSEEP1_WS_2022-03-24_NP	2022-03-23 2022-03-24	13.11	7.73	7.57 8.13	-	162.2 155	7.72	1300	1950	5.6	1610	2.64	_	< 1.0	< 1.0	< 0.250		0.227	933	0.0108	25.8	0.0058	0.791	0.01	0.0169	3.56	2.8
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-24_NP FR_ASPSEEP1_WS_2022-03-25_NP	2022-03-24	12.01 14.2	8.15	7.5		247.8		-	-	-	+ -	+ -	-	-	+ -	-	-	-	-	-	-	-	-	-	-	-	-
FR ASPSEEP1	FR ASPSEEP1 WS 2022-03-25 NP	2022-03-26	13.4	7.69	9.72		168.5	7.73	1170	1900	7.1	1690	4.83	482	< 1.0	< 1.0		2.33	0.259	844	< 0.0050	19.7	< 0.0050	0.278	0.0106	0.0143	3.35	3.32
FR ASPSEEP1	FR ASPSEEP1 WS 2022-03-27 NP	2022-03-27	14.1	7.46	7.31		160.3	7.71	1090	1720	6.5	1510			< 1.0	< 1.0	< 0.250		0.251		< 0.0050	17.4	< 0.0050	0.42	0.010	0.0239	6.96	3.1
FR ASPSEEP1	FR ASPSEEP1 WS 2022-03-28 NP	2022-03-28	12.7	7.54	7.74		141.6	8.06	1060	1720	118	1390			< 1.0	< 1.0			0.248		< 0.0050	16.5	< 0.0050	0.591	0.0123	0.178	9.52	3.19
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-29_NP	2022-03-29	13.8	7.48	7.28		131.3	7.59	1020	1620	2.6	1360			< 1.0	< 1.0	< 0.250		0.25	664	< 0.0050	16.1	< 0.0050	< 0.050	0.0092	0.0136	3.04	2.88
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-30_NP	2022-03-30	13.14	7.5	7.38	-	133.1	7.79	1040	1590	4.2	1380	2.58	433	< 1.0	< 1.0	< 0.250	1.54	0.176	584	< 0.0050	15.6	< 0.0050	0.348	0.0095	0.0105	2.58	2.84
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-31_NP	2022-03-31	12	7.78	7.85	-	104.7	7.65	1030	1610	1.9	1330			< 1.0	< 1.0	< 0.250		0.238	656	0.0165	16.9	< 0.0050	0.345	0.0104	0.0142	2.79	2.74
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-01_NP	2022-04-01	10.69	7.87	8.92	-	114	7.86	1010	1610	7.3	1270			< 1.0	< 1.0	< 0.250		0.264	648	< 0.0050	17.1	0.0181	0.384	0.0104	0.0143	3.15	2.59
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-02_NP	2022-04-02	12.8	7.65	7.5	-	130.2	7.54	1090	1620	< 1.0	1330	0.45	443	< 1.0	< 1.0	< 0.250		0.235	653	< 0.0050	17.8	< 0.0050	0.373	0.0059	0.0092	2.55	2.4
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-07_NP FR_ASPSEEP1_WS_2022-04-08_NP	2022-04-07 2022-04-08	13.34 13.8	7.21 7.5	7.41	-	84.2 115.6	7.72	993	1620	10.8	1290	3.54	438	< 1.0	< 1.0	< 0.250	2.08	0.189	622	< 0.0050	17.5	< 0.0050	0.206	0.0075	0.0127	2.98	2.75
FR ASPSEEP1	FR ASPSEEP1 WS 2022-04-08_NP	2022-04-08	7.7	7.58	9.48		121.9	7.57	1020	1540	22	1300			< 1.0	< 1.0	< 0.250		0.103	613	< 0.0050	15	< 0.0050	0.12	0.0073	0.0121	2.84	2.73
FR ASPSEEP1	FR ASPSEEP1 WS 2022-04-14 NP	2022-04-14	11.2		8.24		127.1	7.83	985	1620	16.6	1310			< 1.0	< 1.0	< 0.250		0.21	654	< 0.0050	15.9	< 0.0050	0.487	0.0054	0.0181	2.79	2.89
FR ASPSEEP1	FR ASPSEEP1 WS 2022-04-21 NP	2022-04-21	8.13	7.86	9.43		116.1	8.06	915	1530	3.6	1230			< 1.0		< 0.250		0.171	562	< 0.0050	15.5	0.0377	0.407	0.0086	0.0087	2.23	2.14
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-22_NP	2022-04-22	11	7.51	7.89	-	110.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-26_NP	2022-04-26	11.12	7.4	7.8		137.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-27_NP	2022-04-27	11.3	7.37	7.73		170.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-02_NP	2022-05-02	13.7	7.5	7.9		179.9	8.18	932	1490	101	1280			< 1.0	< 1.0	< 0.250		0.179	614	< 0.0050	15.4	< 0.0050 < 0.0050	0.116	0.0036	0.0408	5.06	2.44
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-03_NP FR_ASPSEEP1_WS_2022-05-05_NP	2022-05-03 2022-05-05	11.17 10.64	7.59 7.43	8.13 8.03		194.7 140.6	8.28 7.65	916 1130	1480 1480	3.3 9	1130 1140			< 1.0 < 1.0	< 1.0 < 1.0	< 0.250		0.182	616 590	< 0.0050 < 0.0050	14.9 15	0.005	0.204	0.0049	0.0084 0.0148	2.29 4.07	2.4
FR ASPSEEP1	FR ASPSEEP1 WS 2022-05-05 NP	2022-05-06	10.64	7.55	8.06		148.7	7.98	875	1470	3.3	1140			< 1.0	< 1.0	< 0.250		0.193	571	< 0.0050	14.7	< 0.0050	0.374	0.0063	0.0097	2.01	2.06
FR ASPSEEP1	FR ASPSEEP1 WS 2022-05-07 NP	2022-05-07	10.2	7.3	8.05		155.5	7.62	888	1440	3.8	1110			< 1.0	< 1.0	< 0.250		0.191	592	< 0.0050	15.1	< 0.0050	0.399	0.0041	0.0119	2.4	1.9
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-08_NP	2022-05-08	9.9	7.31	8.01		210.4	7.56	857	1450	14.9	1190	3.06		< 1.0	< 1.0	< 0.250	1.27	0.187	578	0.0086	15	< 0.0050	0.439	0.0034	0.0152	3.41	2.32
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-09_NP	2022-05-09	10.74	7.5	7.91		137.9	7.94	816	1420	4.4	1150		_	< 1.0	< 1.0	< 0.250		0.189	556	< 0.0050	15.7	0.0069	0.378	0.0073	0.0098	2.15	2.17
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-10_NP	2022-05-10	9.7		8.3		112.2	7.66	870	1350	37.3	1230			< 1.0	< 1.0					< 0.0050	14.8	0.008	0.468	0.0034	0.0449	7.68	2.13
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-11_NP	2022-05-11	10.8	7.87	8.34		117.9	7.78	852	1360	15.6	1100			< 1.0	< 1.0	< 0.250	4.44	0.186	530	0.0355	14.2 14.8	< 0.0050	0.438	0.0055	0.0208	2.44	2.48
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-12_NP FR_ASPSEEP1_WS_2022-05-13_NP	2022-05-12	10.44		8.41	-	124	8.05 7.71	791	1340	1.6	1140			< 1.0						< 0.0050 < 0.0050	14.8	< 0.0050 < 0.0050	0.14	0.006	0.0064	2.19	2.24
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-13_NP FR_ASPSEEP1_WS_2022-05-14_NP	2022-05-13 2022-05-14	9.32 9.1	7.54 7.3	8.55 8.3		133.9 109.5		807 771	1340 1360	2.1	1020 1080	_		< 1.0 < 1.0	< 1.0	< 0.250 < 0.250		0.164 0.172	497 511	< 0.0050	15	< 0.0050	0.559	0.0039	0.0065 0.0082	1.95 1.87	2.02 1.74
FR_ASPSEEP1	FR ASPSEEP1 WS 2022-05-14 NP	2022-05-14		7.27				7.54					_			< 1.0			0.172		< 0.0050	14.2	< 0.0050		0.0034			
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-16_NP	2022-05-16	9.64		8.4		152.1		847							< 1.0			0.169		< 0.0050	14.4	0.006		0.0066	0.0194		2.45
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-17_NP	2022-05-17	12.25		8		137.4		853	1420	4.7			363	< 1.0		< 0.250			406	< 0.0050	11	< 0.0050	0.526		0.0113	2.28	1.97
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-19_NP	2022-05-19		7.78		-		7.45	820	1410	5.5			370	< 1.0		< 0.250		0.179		< 0.0050	15.2	< 0.0050	0.2		0.04	2.99	1.87
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-20_NP	2022-05-20		7.66			135.9		842	1410	7.2			347	< 1.0		< 0.250		0.175		< 0.0050	14.8	< 0.0050	0.311		0.0149	2.3	2.04
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-21_NP	2022-05-21	-	- 7.00	- 0.40	-	- 477.0	8.01	840	1390	1.3			364	< 1.0		< 0.250		0.184		< 0.0050	14.1	0.0316	0.224		0.0071	1.81	1.75
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-23_NP	2022-05-23	9.5	7.26	8.48				868	1370	1.9			359	< 1.0		< 0.250				< 0.0050	14.8	0.005	0.321		0.013	2	1.82
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-24_NP FR_ASPSEEP1_WS_2022-05-25_NP	2022-05-24 2022-05-25		7.28			151.3 174		850 847	1360 1380	6.6 3.6			346 354	< 1.0 < 1.0		< 0.250 < 0.250		0.176 0.17		< 0.0050 < 0.0050	15.4 14.6	0.0079 0.0083	0.242		0.0118	2.65 2.19	2.21
FR ASPSEEP1	FR_ASPSEEP1_WS_2022-05-25_NP FR_ASPSEEP1_WS_2022-05-26_NP	2022-05-26		7.25			140.3		857	1400	2.7			349	< 1.0		< 0.250			528	< 0.0050	14.4	< 0.0050	0.435		0.0106	1.59	1.44
FR ASPSEEP1	FR ASPSEEP1 WS 2022-05-27 NP	2022-05-27	9.8				130.3		837	1400				352	< 1.0			2.86			0.01	14.2	0.0053		0.0067	0.0076	2.26	2.05
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-28_NP	2022-05-28		7.18					823	1380				351			< 0.250			549	< 0.0050	14.3	0.0057	0.329		0.0083	1.71	1.9
		-																										

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX B - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

			F	eld Paran	neters			Physical Pa	rameters	s		1		Disso	olved Inorg	ganics					Nutrient	s				
						1		.,														Ī I				5
Sample	Sample	Sample Date	Field Temperature pH (field)	Dissolved Oxygen	Field Conductivity	На	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	C pl	mg/L	μS/cm mV	pН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Minimum	Maximum Acute Chronic		Minimum Maximum			Acute Chronic		Acute Chronic					Acute Chronic	Acute	Chronic	Acute Chronic	Acute	Acute			Chronic		
BC WQG FWAL			n/a 6.5	9 1 5	n/a n/a	6.5 9	n/a	n/a	25 5	n/a	8 2	n/a	n/a	n/a	n/a	600 150	0.4- ^a	128-429 ⁶	0.681-28.7 ^b 0.102-2.08 ^b	32.8 3.7	0.06-0.60° 0.02-0.20°	n/a	n/a	0.015	n/a	n/a
Fording River Operation						. 1		1 46			0.00					4.65			.0.000							
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-29_NP		9.7 7.1				820	1360	1.2			348	< 1.0	< 1.0	< 0.250		0.175		< 0.0050	16.5	< 0.0050	0.261	0.0039	0.0066		
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-30_NP		9.8 7.4		- 189		808	1360	4.8	1110	1.44	334	< 1.0	< 1.0	< 0.250	1.2	0.167		< 0.0050	15	< 0.0050	0.247	0.0035	0.0124		2.06
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-01_NP FR_ASPSEEP1_WS_2022-06-02_NP		9.2 7.2 12.6 7.7		- 132.i		760 782	1300 1290	1.6 5.3	1040	0.32 1.05	341 357	< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250	1.12 1.16	0.168		< 0.0050 < 0.0050	15.5 14.2	< 0.0050 < 0.0050	0.064 0.268	0.0066 0.0106	0.0093 0.0192	1.99 2.08	1.95 2.12
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-02_NP FR_ASPSEEP1_WS_2022-06-03_NP		12.6 7.7				764	1220	5.3	986	1.67	338	< 1.0	< 1.0	< 0.250	1.15	0.162	469	< 0.0050	12.8	< 0.0050	0.298	0.0106	0.0192	1.76	1.63
FR ASPSEEP1	FR ASPSEEP1 WS 2022-06-04 NP	2022-06-04	9.4 7.1		- 127.		470	880	15.6	602	4.11	256	6.2	< 1.0	< 0.250	0.5	0.132		0.0088	5.52	0.0099	0.465	< 0.0010	0.015	3.41	2.53
FR ASPSEEP1	FR ASPSEEP1 WS 2022-06-05 NP	2022-06-05	9.3 7.2		- 121.		730	1300	< 1.0	1080	0.16	345	< 1.0	< 1.0	< 0.250	1.72	0.182		< 0.0050	14.5	< 0.0050	0.357	0.0047	0.0072	1.86	1.85
FR ASPSEEP1	FR ASPSEEP1 WS 2022-06-06 NP	2022-06-06	12.6 7.7		- 157		724	1300	3.3	973	0.55	330	< 1.0	< 1.0	< 0.250	1.58	0.179		< 0.0050	14.6	< 0.0050	0.436	0.0077	0.0104	2.4	2.06
FR ASPSEEP1	FR ASPSEEP1 WS 2022-06-07 NP		9.7 7.6		- 171.		781	1250	1.8	990	0.57	484	< 1.0	< 1.0	< 0.050	0.74	0.148		< 0.0050	12.8	< 0.0010	< 0.050	0.0069	0.0102	2.49	2.64
FR ASPSEEP1	FR ASPSEEP1 WS 2022-06-08 NP		11.57 7.6				724	1280	5.6	979	1.78	328	< 1.0	< 1.0	< 0.250	1.04	0.165	507	< 0.0050	13.8	< 0.0050	0.232	0.0064	0.0098	2.02	2.13
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-09_NP	2022-06-09	11.66 7.6	1 8.81	- 101	7.8	775	1280	2.8	968	0.25	306	< 1.0	< 1.0	< 0.250	0.94	0.134	416	< 0.0050	12.6	< 0.0050	0.341	0.0048	0.0082	2.15	2.08
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-10_NP	2022-06-10	11.5 7.4	7.97	- 180.	7.51	724	1280	2	958	0.6	343	< 1.0	< 1.0	< 0.250	1.01	0.146	459	< 0.0050	12.6	< 0.0050	0.499	0.0256	0.025	2.08	1.74
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-11_NP	2022-06-11	9.3 7.2	8.5	- 174.	7.67	714	1230	24.5	940	8.48	333	< 1.0	< 1.0	< 0.250	0.92	0.123	417	< 0.0050	12.1	< 0.0050	0.525	0.007	0.0264	3.63	2.18
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-12_NP		9.1 7.2		- 159.		726	1220	2.6	956	0.6	332	< 1.0	< 1.0	< 0.250	0.84	0.131	405	< 0.0050	11.8	< 0.0050	0.403	0.0078	0.0082	1.91	2.01
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-13_NP		10.6 7.6		- 185.		711	1260	5.4	896	1.39	336	< 1.0	< 1.0	< 0.250	1.5	0.146	444	< 0.0050	12.3	< 0.0050	0.54	0.0014	0.0144	2.86	1.84
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-20_NP		10.4 7.6		- 112.		648	1080	4.7	832	2.68	320	< 1.0	< 1.0	< 0.250	1.26	0.153		< 0.0050	10	0.0062	0.475	0.0058	0.0095	2.15	1.97
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-07-04_NP	2022-07-04	12.5 7.4		- 200.		743	1190	5.2	1010	1.14	386	< 1.0	< 1.0	< 0.250	1.08	0.146		0.009	10.4	< 0.0050	0.41	0.0367	0.0406	2.9	2.43
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-07-11_NP	2022-07-11	15 7.6		- 156.		760	1240	2.5	968	0.97	354	< 1.0	< 1.0	< 0.250	1.11	0.164		< 0.0050	10.5	< 0.0050	0.44	0.0025	0.0093	2.29	2.2
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-07-18_NP		12.9 7.7				823	1320	61.1	1110	7.2		< 1.0	< 1.0	< 0.250	1.46	0.193		< 0.0050	11.8	< 0.0050	0.46	0.0151	0.0307	3.86	2.02
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-07-25_NP		19.3 7.9	4 8.3	- 151.		887	1380	3.5	1300	1.78	500	< 1.0	< 1.0	< 0.250	1.33		572	< 0.0050	12.6	< 0.0050	0.486	0.0036	0.0072	2.3	2.21
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_SEEP_2022-07-01_NP	2022-08-03	15.5 7.1	6.9	- 141	7.62	897 959	1490 1460	3.9	1310 1360	0.25	374 377	< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.050	1.57 1.59	0.19		< 0.0050 < 0.0050	12.7 13.8	< 0.0050	0.399	0.0032 0.0067	0.0095 0.0139	1.94	1.4
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-08-11_NP FR_ASPSEEP1_WS_2022-08-18_NP	2022-08-11 2022-08-18	15.5 7.5 13.1 7.5		- 141.: - 155.:		1100	1640	< 1.0	1370	0.7	414	< 1.0	< 1.0	< 0.050	1.83	0.183	654 713	< 0.0050	15.0	< 0.0010 < 0.0050	1.05	0.0067	0.0069	1.94	1.82
FR_ASPSEEP1	FR ASPSEEP1 WS 2022-08-24 NP		13.48 7.4				1130	1670	7.7	1440	3.22		< 1.0	< 1.0	< 0.250	1.78		753	< 0.0050	16.8	< 0.0050	0.191	0.0029	0.0069	1.39	1.19
FR_ASPSEEP1	FR_ASFSEEF1_WS_2022-06-24_NF FR_ASPSEEP1_WS_2022-09-01_NP		13.46 7.4		- 138.		1160	1760	13.8	1510	6.81	429	< 1.0	< 1.0	< 0.250	1.76		748	< 0.0050	18	< 0.0050	0.191	0.0063	0.0167	2.43	2
FR ASPSEEP1	FR ASPSEEP1 WS 2022-09-05 NP	2022-09-05		9 9.43			1200		18.2				< 1.0	< 1.0	< 0.250	1.88		791	0.0124	20.1	< 0.0050	0.151	0.0076	0.0237		
FR BLAINESEEP1	FR BAINESEEP1 WS 2022-04-27 NP		9.07 8.1		- 140		2100	2880	4.9	2760	1.23	465	2.9	< 1.0	< 0.250	1.96		1700	< 0.0050	18.4	0.0051	< 0.050	0.0024	0.0054	2.01	1.92
FR BLAINESEEP1	FR BLAINESEEP1 SEEP 2022-07-01 NP		10.9 8.0		- 144.		1790	2620	5.2	2760	0.79	593	< 1.0	< 1.0	< 0.250	1.34	0.258	1430	< 0.0050	17.4	< 0.0050	< 0.050	0.0011	0.0085	1.21	1.42
FR_BLAINESEEP1	FR_BLAINESEEP1_SEEP_2022-09-01_NP		10.9 8.0		- 144.		2240	2800	6.7	2530	1.88	497	< 1.0	< 1.0	< 0.250	1.54		1740	< 0.0050	18.9	0.0066	< 0.050	0.0029	0.0121	1.4	1.29
FR_BLAINESEEP5	FR_BLAINESEEP5_SEEP_2022-04-11_NP	2022-06-10	20.4 7.7	7.26	- 128.	8.08	2340	3160	102	3100	64	439	< 1.0	< 1.0	< 0.250	0.73	0.117	1790	0.0132	15.5	0.0276	0.114	< 0.0010	0.0347	3.84	3.47
FR_BLAINESEEP5	FR_BLAINESEEP5_SEEP_2022-09-26_NP		20.3 7.6				2350	2960	80.6		45.5		< 1.0	< 1.0	< 0.250	0.85		1820	0.022	22.8	0.0252	< 0.050		0.157	12.4	
FR_BLAKESEEP1	FR_BLAKESEEP1_SEEP_2022-04-11_NP	2022-05-16	6 8.2		- 232.		729	1240	8	906	5.74		< 1.0	< 1.0	< 0.250	2.32	0.178		< 0.0050	6.01	0.0051	0.458	0.0079	0.023	2.52	2.1
FR_BLAKESEEP1	FR_BLAKESEEP1_SEEP_2022-09-22_NP			5 10.05			728	1250	6.9	988	3.71	324	< 1.0	< 1.0	< 0.250	1.87	0.153	544	< 0.0050	6.74	< 0.0050	0.446	0.0078	0.0167	3.36	1.58
FR_CCSEEPE1	FR_CCSEEPE1_2022-03-28_NP-E4F		5.6 7.9		- 14.6		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
FR_CCSEEPE1	FR_CCSEEPE1_SEEP_2022-04-11_NP	2022-06-10	5.6 7.4				1180	2040	< 1.0		< 0.10		3.1	< 1.0	< 0.250	2.19		654	< 0.0050	80	0.0129	< 0.050		< 0.0020		0.89
FR_CCSEEPE1	FR_CCSEEPE1_2022-06-17_N	2022-06-17	5.6 7.8				1240	2170	1.1	1830	< 0.10	364	< 1.0	< 1.0	< 0.250	2.37	0.177	691	< 0.0050	85.6	< 0.0050	< 0.050	< 0.0010	0.0034	0.74	0.81
FR_CCSEEPE1	FR_CCSEEPE1_2022-08-08_NP-E4F		5.7 7.6 18.6 7.8				1440	2500	10	2440		400	- 10	- 40	- 0.050	3.8	- 0.22	- 064	< 0.0050	126	- < 0.0050	- 0.050	- 0.0040	- 0.0000	- O FO	- O FO
FR_CCSEEPE1 FR_CCSEEPE1	FR_CCSEEPE1_SEEP_2022-07-01_NP FR_CCSEEPE1_2022-10-17_NP-E4F	2022-08-22 2022-10-17	6.3 7.7				1410	2590	1.8	2410	0.29	423	< 1.0	< 1.0	< 0.250	3.0	0.22	964	< 0.0050	120	< 0.0050	< 0.050	< 0.0010	< 0.0020	< 0.50	< 0.50
FR_CCSEEPE1	FR CCSEEPET 2022-10-17 NP-E4F FR CCSEEPSET 2022-03-28 N	2022-10-17	0.0 1.1	10.44	- 103.	8.01	2100	3140	2.1	2980	0.24	300	< 1.0	< 1.0	< 0.250	5.53		1140	< 0.0050	179	< 0.0050	< 0.050	< 0.0010	0.0021	< 0.50	
FR_CCSEEPSE1	FR CCSEEPSE1 SEEP 2022-04-11 NP	+	2.8 7.7	3 10.5	- 137.		1590	2530	5.5	2200	1.97	364	2.8	< 1.0	< 0.250	5.52	0.137	1020	< 0.0050	80.3	0.0158	< 0.050	0.0098	0.0021	1.93	1.32
FR CCSEEPSE1	FR CCSEEPSE1 SEEP 2022-07-01 NP			7.46			1590	2570	2.6	2600	0.35	407	< 1.0	< 1.0	< 0.250	5.31	0.184		< 0.0050	50.8	0.0061	< 0.050	0.0089	0.0084	0.56	0.86
00022.021				7.10	100.				_:>		0.00				0.200	0.0.	J T	7070	0.000		0.000.	0.000	0.0000	0.0004	0.00	0.00

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX B - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	l Param	eters			F	Physical Pa	rameter	s				Diss	olved Ino	rganics					Nutrient	s				
																											1	L.
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Field ORP	Ħ	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pН	mg/L	μS/cm	mV	рΗ	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a	Winimum 6.9 Maximum	1 Acute 9 Chronic	n/a	n/a	Minimum 9 9 Maximum	n/a	n/a	5 Acute Chronic	n/a	8 Acute	n/a	n/a	n/a	n/a	Acute Chronic	o.4-	20 Chronic 128-429	O.681-28.7 ^b 0.102-2.08 ^b	Acute Acute Ohronic	O.06-0.60° 0.02-0.20°	n/a	n/a	Ohronic 0.015	n/a	n/a
Fording River Operation																												
FR_DOKASEEP1	FR_DOKASEEP1_SEEP_2022-04-11_NP	2022-05-16	7.1	8.04	9.84	-	213.2	8.17	283	507		310					< 0.050			56.7	0.0057	0.0174	0.0014		0.0017	0.0197		
FR_DOKASEEP1	FR_DOKASEEP1_SEEP_2022-07-01_NP	2022-07-29	10.3	0.46	- 0.00	-	244.0	8.4	298	535	38.5		20.7		10.2	< 1.0	< 0.050			37.9	0.0071	0.0181	< 0.0010	0.17	0.0096	0.0546		2.83
FR_DOKASEEP1 FR_EAGLENORTH	FR_DOKASEEP1_SEEP_2022-09-21_NP FR_EAGLENORTH_SEEP_2022-04-11_NP	2022-09-21 2022-05-16	10.3 4.8	8.46 7.47	9.89	-	241.8 2159	8.5 7.86	260 2370	529 3340	19.6 3.1	362 2880	8.95		12 < 1.0	< 1.0 < 1.0	< 0.050 < 0.250		0.118	56 1740	< 0.0050 < 0.0050	0.009 68.3	< 0.0010 < 0.0050	0.133	< 0.0010 0.0054	0.0121	5.99 1.25	3.1 1.19
FR_EAGLENORTH	FR_EAGLENORTH_SEEP_2022-04-11_NP FR_EAGLENORTH_SEEP_2022-07-01_NP	2022-05-16	4.0	7.47	9.59	-	2159	8.08	2310	3210	3.1	3590	0.14		< 1.0	< 1.0	< 0.250		0.133		< 0.0050	57.6	< 0.0050	< 0.050	0.0054	0.0062	0.96	0.92
FR EAGLENORTH	FR EAGLE NORTH SEEP 2022-09-22 NP	2022-07-00	7.2			-	176.3	7.85	2340	3290	79.6	1680	10.1		< 1.0	< 1.0	< 0.250	10.8		1850	0.0224	47.9	< 0.0050	0.722	0.0016	0.063	11.8	1.76
FR FCSEEP2	FR FCSEEP2 SEEP 2022-04-11 NP	2022-06-10	4.4			-	101.5	7.77	159	304	< 1.0		0.3	156	< 1.0	< 1.0	< 0.050	0.12	0.193		< 0.0050	0.707	0.0011	0.159	0.0015	0.0027	1.45	1.35
FR FCSEEP2	FR FCSEEP2 SEEP 2022-09-22 NP	2022-09-22	10.7			- 1	190.9	8.06	241	474	< 1.0		0.11		< 1.0	< 1.0				120	< 0.0050	2.38	< 0.0010	0.186	0.0018	< 0.0020		
FR FRVWSEEP3	FR FRVWSEEP3 SEEP 2022-04-11 NP	2022-06-16	10.2	7.8	9.4	-	114	8.33	765	1200	1.1	927	0.56		9.2	< 1.0				380	0.0118	0.888	< 0.0050	0.17	0.002	0.004	0.98	0.94
FR FRVWSEEP3	FR FRVWSEEP3 SEEP 2022-09-08 NP	2022-09-08	9.8	7.79	9.37	-	99.4	8.19	1010	1460	3.6	1170	1.09	557	< 1.0	< 1.0	< 0.250	2.18	0.177	523	< 0.0050	0.987	< 0.0050	0.148	< 0.0010	0.0039	1.26	1.16
FR FSEAMSEEP7	FR FSEAMSEEP7 SEEP 2022-04-11 NP	2022-05-16	8.9	8.36	9.15	-	217.6	8.45	441	801	106	566	41.8		8.5	< 1.0	< 0.050	1.56	0.335	234	< 0.0050	6.3	0.0053	0.424	< 0.0010	0.007	2.54	2.76
FR_FSEAMSEEP7	FR_FSEAMSEEP7_SEEP_2022-07-01_NP	2022-07-20	-	-	-	-	-	8.26	368	776	190	634	50.7	255	< 1.0	< 1.0	< 0.050	0.84	0.28	235	0.0091	4.56	0.004	0.457	< 0.0010	0.0294	5.24	3.69
FR_FSEAMWSEEP4	FR_FSEAMWSEEP4_SEEP_2022-04-11_NP	2022-06-16	9.14	8	10.17	-	95.8	8.03	505	903	37.6	664	< 0.10	227	< 1.0	< 1.0	< 0.250	< 0.50	0.379	209	0.0204	31.6	0.0325	0.441	< 0.0010	0.037	6.81	< 0.50
FR_HENSEEP3	FR_HENSEEP3_SEEP_2022-04-11_NP	2022-04-11	4.26	8.28	9.81	-	103.6	8.01	1710	2490	5.2	2070	1.23		< 1.0	< 1.0	< 0.250			1310	0.0062	60.6	0.0063	< 0.050	0.0065	0.0163	1.57	1.47
FR_HENSEEP3	FR_HENSEEP3_SEEP_2022-05-16_NP	2022-05-16	-	-	-	-	-	8.08	1860	2700	4	2330	0.48		< 1.0	< 1.0	< 0.250			1440	< 0.0050	73	0.0106	0.429	< 0.0010	0.0037	1.33	1.32
FR_HENSEEP3	FR_HENSEEP3_SEEP_2022-07-01_NP	2022-07-14	-	-	-	-	-	7.71	1580	2320	4.4	2400			< 1.0	< 1.0				1210	0.0055	55.9	0.0063	0.4	0.0049	0.008	1.14	1.02
FR_HENSEEP3	FR_HENSEEP3_SEEP_2022-09-21_NP	2022-09-21	4.7		8.11	-	162.9	8.11	1590	2660	4.6	2540	0.43		< 1.0	< 1.0	< 0.250	0.91	0.17		0.006	80.7	0.0143	< 0.050	< 0.0010	0.0181	2.17	1.67
FR_HENSSEEP1	FR_HENSEEP1_SEEP_2022-04-11_NP	2022-04-11	3.04	7.9	9.92	-	117.2	7.71	1030	1590	27.4		15.2		< 1.0	< 1.0	< 0.250	0.62	< 0.100		0.0113	2.34	< 0.0050	0.523	0.0029	0.0256	4.34	3.81
FR_HENSSEEP1	FR_HENSSEEP1_SEEP_2022-07-01_NP	2022-07-14	-	-	-	-	-	7.92	1360	1930	4.8	1810			< 1.0	< 1.0				1100	< 0.0050	1.64	< 0.0050	0.15	< 0.0010	0.0032	2.83	
FR_LMCWSEEP5 FR_LMCWSEEP5	FR_LMCWSEEP5_SEEP_2022-04-11_NP	2022-06-16	7.2	8	9.8	-	94.6	8.21 8.36	271	492	51.1	328	23		< 1.0	< 1.0	< 0.050	0.16	0.12		< 0.0050 < 0.0050	5.36 8.6	< 0.0010 0.0016	0.363	0.0094	0.0324	7.13	1.91
	FR_LMCWSEEP5_SEEP_2022-07-01_NP	2022-07-06		7.6	10.16		170		316	586	5.4	474	4.9		3.8	< 1.0	< 0.050	0.3			< 0.0050	29.5	< 0.0016	0.311	0.0074	0.0147	3	< 0.50
FR_LMCWSEEP5 FR_SCRDSEEP1	FR_LMCWSEEP5_SEEP_2022-09-22_NP FR_SCRDSEEP1_SEEP_2022-04-11_NP	2022-09-22 2022-05-19	5.3 2.3	7.6 7.78	10.16 9.21	-	173 148.8	8.15 8	664 1430	1160 2530	66.9	894 2020	1.18 4.77		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250		0.125	387 570	0.0050	172	0.0050 0.147	< 0.050	0.0091 0.0014	0.0094 0.0158	1.87 3.6	1.76 4.02
FR_SCRDSEEP1	FR_SCRDSEEF1_SEEF_2022-04-11_NP	2022-03-19	5.9			-	221.1	8.14	1820	2730	6.6				< 1.0	< 1.0				1490	0.0065	35.6	0.0093	< 0.050	0.0014	0.0158		2.1
FR SPRWSEEP1	FR SPRPSEEP1 WS 2022-04-27 NP	2022-09-21	10.07		8.38	 -	130.9	8.2	636	1110	32.8	874	21	434	< 1.0	< 1.0	< 0.250		0.104		0.0065	8.34	< 0.0050	0.322	0.0072	0.0337	12	1.23
FR SPRWSEEP1	FR SPRWSEEP1 SEEP 2022-07-01 NP	2022-04-27	-		-	-	-	8.08	642	1085	57.9	836.5			< 1.0	< 1.0	< 0.250		0.124		< 0.0050	7.45	< 0.0050	0.4155	< 0.002	0.02685	16.385	
FR STPNSEEP	FR STPNSEEP SEEP 2022-04-11 NP	2022-05-19	3.5	7.55	9.38	-	160.8	7.89	493	892	< 1.0		0.18		< 1.0	< 1.0	< 0.250		0.136		< 0.0050	16.8	< 0.0050	0.156	< 0.0010	0.0028	0.81	2.12
FR STPNSEEP	FR STPNSEEP SEEP 2022-07-01 NP	2022-07-15	-	-	-	-	-	7.91	279	523	2.2	376	0.24		< 1.0	< 1.0	< 0.050	7.74	0.172		< 0.0050	5.12	0.0034	0.433	< 0.0010	0.0034	1.04	1.07
FR_STPSWSEEP	FR_STPSWEEP_WS_2022	2022-01-25	-	-	-	-	-	8.13	617	1120	< 1.0		0.16		< 1.0	< 1.0	< 0.450		0.25		< 0.0050	0.344	< 0.0090	-	0.0012	< 0.0020	<u> </u>	0.58
FR_STPSWSEEP	FR_STPSWSEEP_WS_2022	2022-02-22	-	-	-	-	-	8.04	622.5	1080	2	788.5	_		< 1.0	< 1.0	< 0.250			313.5	< 0.0050	0.07795	< 0.0050	0.053	< 0.0010	< 0.0020	0.78	< 0.50
FR_STPSWSEEP	FR_STPSWSEEP_SEEP_2022-04-11_NP	2022-05-19	9	7.54	7.2	-	141.8	7.98	610	1060	8.1	764	0.34	432	< 1.0	< 1.0	< 0.250	7.89	0.267	294	< 0.0050	0.296	< 0.0050	0.091	< 0.0010	< 0.0020	1.01	0.83
FR_STPSWSEEP	FR_STPSWSEEP_SEEP_2022-07-01_NP	2022-07-15		_ = _		- 1	-	7.74	597	1040	1.7	759	0.36		< 1.0	< 1.0	< 0.250			274	< 0.0050	0.134	0.0079	0.162	< 0.0010	0.0029	1.47	0.96
FR_STPSWSEEP	FR_STPSWSEEP_SEEP_2022-09-23_NP	2022-09-23	9.4	7.44		-	193	8.2	628	968	< 1.0	723	0.11		< 1.0	< 1.0	< 0.250		0.349		< 0.0050	0.361	< 0.0050	0.056	< 0.0010	< 0.0020	< 0.50	< 0.50
FR_STPWSEEP	FR_STPWSEEP_SEEP_2022-04-11_NP	2022-05-19	8.2	7.85	9.07	-	145.6	8.12	566	1040	6.4	703	0.35		< 1.0	< 1.0	< 0.250			237	< 0.0050	0.118	< 0.0050	< 0.050	0.00.0	< 0.0020	0.77	0.7
FR_STPWSEEP	FR_STPWSEEP_SEEP_2022-07-01_NP	2022-07-15	- 0.1	- 7.44	- 0.07	-	- 0.400	8.01	575	997	6.2		0.99		< 1.0	< 1.0				232	0.009	0.0912	0.0072	0.106		0.0024	1.51	1.15
FR_STPWSEEP	FR_STPSWSEEP_SEEP_2022-09-12_NP	2022-09-12	9.4	7.44	8.07		0.193	8.07	637	1030	2.8	697	0.5 < 0.10		< 1.0	< 1.0				268	< 0.0050 < 0.0050	0.275 0.0923	< 0.0050	0.116	0.0018	0.0033	0.82	1.02
FR_STPWSEEP	FR_STPWSEEP_SEEP_2022-09-23_NP	2022-09-23	19.5		8.9 10.6	-	136.5 179.8	8.28 7.69	625	966 1210	2.3 1.2	669 907	0.73		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250		0.38		< 0.0050	0.0923 16.7	< 0.0050 < 0.0050	0.068	< 0.0010	< 0.0020	< 0.50	
FR_TBWSEEP1 FR_TBWSEEP1	FR_TBWSEEP1_SEEP_2022-04-11_NP FR_TBWSEEP1_SEEP_2022-07-01_NP	2022-04-11 2022-07-20	3.12	6.09	10.0	-	179.8	7.745	728 688	1210	< 1.0		0.73		< 1.0 < 1.0	< 1.0	< 0.250			383.5	< 0.0050	13.2	< 0.0050	< 0.050	0.0032	0.007	0.68	0.73
FR_IBWSEEP1	FR TURNSEEP1 SEEP 2022-04-11 NP	2022-07-20	4.3	8.13	10.3		207.3	8.1	1030	1690	6.8	1190	1.76		< 1.0	< 1.0	< 0.250	0.77	0.197		< 0.0050	53.4	0.0147	0.522	< 0.0042	0.0048	1.45	1.2
FR TURNSEEP1	FR_TURNSEEP1_SEEP_2022-04-11_NP	2022-04-11	4.3	-	-	-	207.3	8.12	681	1160	2.7		1.01		< 1.0	< 1.0			0.197		0.0030	25.5	0.0147	0.322	< 0.0010	0.0036	1.53	1.54
FR TURNSEEP1	FR TURNSEEP1 SEEP 2022-09-21 NP	2022-07-14	6.9		10.37		151.7	8.02	929	1520	18.4	1330	0.5		< 1.0	< 1.0	< 0.250	0.72	0.168		0.0001	41.6	0.0200	0.552	< 0.0010	0.0030	6.11	1.74
FR TURNSEEP2	FR TURNSEEP2 SEEP 2022-04-11 NP	2022-09-21	4.69	8.11			215.5	7.76	831	1370	1.3	1080	0.54		< 1.0	< 1.0	< 0.250	0.72	< 0.100		< 0.0050	21.7	< 0.0050	< 0.050	< 0.0010	0.0074	1.5	1.45
FR TURNSEEP2	FR TURNSEEP2 SEEP 2022-07-01 NP	2022-04-11	4.03	-	-	1 - 1	-	7.825	782.5	1290	5.55		_	357.5	< 1.0	< 1.0			< 0.100		< 0.0050	20.75	< 0.0050	0.4015		0.0074	0.775	
. 1010100000	3.1110 2_0 27-01_111	2022 01 17	1	1					, 02.0	1200	0.00	1.00	0.010	007.0	- 1.0	- 1.0	- 0.200	0.00	- 0.100	1 771	0.0000		0.0000	3.7010	3.00000	0.0000		0.73

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX B - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	Param	eters			Р	hysical Pa	rameter	s				Disse	olved Ino	rganics					Nutrient	s				
			ure		gen	vity					ed Solids	3 Solids									den	u	_	en-N	ıte	otal	Carbon	ınic Carbon
Sample	Sample	Sample Date	Field Temperat	(field)	Dissolved Oxy	Field Conducti	Field ORP	Нd	Hardness	Conductivity	Total Suspend	Total Dissolved	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitro	Nitrate Nitroge	Nitrite Nitroger	Kjeldahl Nitrog	Ortho-Phospha	Phosphorus, T	Total Organic (Dissolved Organic
Location	ID	(yyyy-mm-dd)	С	pН	mg/L	μS/cm	mV	pH	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Minimum Maximum	Acute Chronic		Minimum	Maximum			Acute Chronic		Acute					Acute Chronic	Acute	Chronic	Acute	Acute Chronic	Acute			Chronic		
BC WQG FWAL			n/a	6.5 9	1 5	n/a	n/a 6.	5 9	n/a	n/a	25 5	n/a	8 2	n/a	n/a	n/a	n/a	600 150	0.4- ^a	128-429°	0.681-28.7 ^b 0.102-2.08	32.8 3.7	0.06-0.60° 0.02-0.20°	n/a	n/a	0.015	n/a	n/a
Greenhills Operation	CH E4 WC 2022 04 02 ND	2022.04.24	1 2 6	7 16	0.01	T 1	20 E -	7 0 1	1110	2460	24.2	1760	11 2	400	-10	-10	- 0 0E0	1 4 40	- 0 100	4040	0.0085	0.184	< 0.0050	0.070	< 0.0010	0.0106	1 70	1 100
GH_E1 GH_E1	GH_E1_WS_2022-01-03_NP GH_E1_WS_2022-02-07_NP	2022-01-24 2022-02-14	2	7.16 8	11.04			7.81 3.33	1440 828	2160 1310	< 1.0	1760 1010	0.18		< 1.0 5.3	< 1.0 < 1.0	< 0.250 < 0.250		< 0.100	1040 435	< 0.0050	0.164	< 0.0050	0.079	< 0.0010 < 0.0010	0.0106	1.78	1.92 1.19
GH_E1	GH_E1_WS_2022-03-07_NP	2022-03-09	0.9	7.97	11.63			7.97	790	1310	2.2	942	0.23		< 1.0	< 1.0	< 0.250		< 0.100		< 0.0050	0.0809	< 0.0050	0.074	0.0018	0.0091	1.15	1.12
GH_E1	GH_E1_WS_2022-04-04_NP	2022-04-20	3.4	7.52	10.23			3.01	1750	2540	1.6	2460	1.1		< 1.0	< 1.0	< 0.250			1340	0.0052	< 0.0250	< 0.0050	0.084	< 0.0010	0.0032	2.18	2.16
GH_E1 GH E1	GH_E1_WS_2022-05-09_NP GH_E1_WS_2022-06-07_NP	2022-05-12 2022-06-20	14.9 15.9	8.08	8.29			3.24 3.23	868 921	1450 1480	< 1.0	1150 1160	0.17	_	< 1.0 < 1.0	< 1.0 < 1.0	< 0.250		< 0.100	534 518	< 0.0050 0.0116	0.0529 < 0.0250	< 0.0050 < 0.0050	0.07 0.172	< 0.0010 0.0014	0.0036 0.0049	2.09	1.69 2.23
GH E1	GH E1 WS 2022-07-04 NP	2022-00-20	19.8	7.91	7.65			3.09	911	1430	1.3	1160	0.26		< 1.0	< 1.0	< 0.250		< 0.100		0.0115	< 0.0250	< 0.0050	0.172	< 0.0014	0.0049	2.10	2.23
GH_E1	GH_E1_WS_2022-08-01_NP	2022-08-10	14.8	7.6	7.91		16.7	3.11	1840	2370	3.6	2160	2.65	469	< 1.0	< 1.0	< 0.250	3.99	0.159	1300	0.007	0.286	0.0092	0.074	< 0.0010	< 0.0020	1.35	1.17
GH_E1	GH_E1_WS_2022-09-05_NP	2022-09-22	9.2	7.1	8.93			3.15	1680	2270	3.5	2260	1.02		< 1.0	< 1.0	< 0.250			1280	0.009	1.16	< 0.0050	0.082	< 0.0010	< 0.0020		1.22
GH_E1 GH E3	GH_E1_WS_2022-10-03_NP GH_E3_WS_2022-01-03_NP	2022-10-07 2022-01-24	10.7 7.7	7.56 7.22	8.87			3.09 7.74	1710 1240	2240 1860	3.5	2150 1460	1.12	_	< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.450			1380 604	< 0.0050 < 0.0050	0.401 0.479	< 0.0050 < 0.0090	0.056	< 0.0010 < 0.0010	< 0.0020 0.0057	1.1 1.64	1.05
GH E3	GH E3 WS 2022-07-07 NP	2022-01-24	1.9	7.9	10.85			3.22	901	1420	1.5	1120	0.63	_	< 1.0	< 1.0	< 0.450			507	< 0.0050	0.473	< 0.0050	0.186	< 0.0010	0.0037	1.04	1.15
GH_E3	GH_E3_WS_2022-03-07_NP	2022-03-09	5	7.61	8.91	- 7		7.8	913	1500	87.2	1230	28.1		< 1.0	< 1.0	< 0.250			548	< 0.0050	0.044	< 0.0050	0.116	< 0.0010	0.069	1.06	1.27
GH_E3	GH_E3_WS_2022-05-02_NP	2022-05-11	14.2	8.16	8.72			3.21	1270	1770	3.2	1470	0.96		< 1.0	< 1.0	< 0.250			806	< 0.0050	0.27	< 0.0050	0.078	< 0.0010	0.0055	1.49	1.59
GH_E3 GH_E3	GH_E3_WS_2022-06-07_NP GH_E3_WS_2022-07-04_NP	2022-06-23 2022-07-08	13.6 21	7.99 8.06	8.93 11.12			3.13 7.98	1160 1310	1700 1830	159 15.6	1480 1470	12.1 4.9	_	< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250			720 972	< 0.0050 < 0.0050	< 0.0250 0.0941	< 0.0050 < 0.0050	0.117 0.178	< 0.0010 < 0.0010	0.0127 0.0127	1.75 2.68	1.71 2.38
GH E3	GH E3 WS 2022-07-04_NP	2022-07-08	17.9		9.75			3.04	1630	2040	4.3	1710	1.2	_	< 1.0	< 1.0	< 0.250		< 0.100		0.0085	< 0.0250	< 0.0050		< 0.0010	0.0065	1.29	1.36
GH_E3	GH_E3_WS_2022-09-05_NP	2022-09-27	14.1	7.88	9.83			8.2	1720	2150	10.7	1980	2.36	_	< 1.0	< 1.0	< 0.250			1130	0.0055	0.193	< 0.0050	0.14		0.0045	1.31	1.2
GH_E3	GH_E3_WS_2022-10-03_NP	2022-10-07	9.3	7.51				8.1	1510	2020	5	1860	3.38		< 1.0		< 0.250			1070	< 0.0050	0.0272	< 0.0050		< 0.0010	0.009	1.15	
GH_SEEP_12 GH_SEEP_12	GH_SEEP_12_WS_2022-06-07_NP GH_SEEP_12_WS_2022-09-06_NP	2022-06-21 2022-09-20	6 6.7	7.96 7.8	11.97 9.1			3.21 3.26	237 240	429 424	< 1.0 10.7	248 252	0.13 1.64		< 1.0 1.6	< 1.0 < 1.0	< 0.050 < 0.050		0.192	12.4 21	< 0.0050 < 0.0050	0.0162 < 0.0050	< 0.0010 < 0.0010	< 0.050	< 0.0010 < 0.0010	< 0.0020 0.0087	3.07 1.55	2.95
GH SEEP 16	GH SEEP 16 WS 2022-09-06 NP	2022-09-20	13.2	7.9	13.9			3.16	473	831	1	606	1.11	_	< 1.0	< 1.0	< 0.050			312	< 0.0050	< 0.0050	< 0.0010	0.137	< 0.0010	0.0007	2.78	2.54
GH_SEEP_21	GH_SEEP_21_WS_2022-06-07_NP	2022-06-28	9.4	7.31			78.2	7.27	1600	2320	67.8	2120	6.97	784	< 1.0	< 1.0	< 0.250		0.172	942	< 0.0050	0.303	0.0066	0.06	< 0.0010	0.0068	2.13	2.11
GH_SEEP_21	GH_SEEP_21_WS_2022-09-06_NP	2022-09-20	12.4	7	7.5			7.95	1790	2500	4.6	2370	1.94		< 1.0	< 1.0	< 0.250			1310	< 0.0050	0.0278	< 0.0050	0.076	< 0.0010	< 0.0020	2	2.06
GH_SEEP_22 GH_SEEP_22	GH_SEEP_22_WS_2022-06-07_NP GH_SEEP_22_WS_2022-09-06_NP	2022-06-28 2022-09-20	15.3 12.2	6.84	4.55 5.5			7.32 7.83	1380 1680	2170 2450	13.3 3.7	1740 2320	32.6 13.8		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250		0.156	816 1240	0.135 0.184	0.0438 < 0.0250	< 0.0050 < 0.0050	0.235	< 0.0010 < 0.0010	0.0139 0.0203	2.45 1.92	2.36
GH SEEP 46	GH SEEP 46 WS 2022-06-07 NP	2022-06-24	3.1		11.23			3.33	572	1100	2.4		1.08		< 1.0	< 1.0	< 0.250		0.113		< 0.0050	5.02	< 0.0050	0.276	0.0717	0.0697	1.9	1.5
GH_SEEP_5	GH_SEEP_5_WS_2022-06-07_NP	2022-06-23	7.6	7.55	7.72	- 1	75.9	7.94	328	630	2.2	444	2.21		< 1.0	< 1.0	< 0.050		0.094	173	< 0.0050	2.36	< 0.0010	0.422	0.0741	0.074	1.53	1.23
GH_SEEP_5	GH_SEEP_5_WS_2022-09-06_NP	2022-09-22	6.8	7.81	8.15			3.23	368	651	4.9	412	5.12		< 1.0	< 1.0	< 0.050		0.128		< 0.0050	1.53	< 0.0010	0.09	0.0662	0.0752	1.28	0.56
GH_SEEP_50 GH_SEEP_60	GH_SEEP_50_WS_2022-06-07_NP GH SEEP 60 WS 2022-06-07 NP	2022-06-28 2022-06-29	18.1 8.6	7.82 7.2	6.52			7.96 7.94	174 73.3	429 155	5.5 29.2	276 122	18.6 13.2		< 1.0 < 1.0	< 1.0 < 1.0	< 0.050		0.109	52.6 9.96	< 0.0050 < 0.0050	< 0.0050 0.0121	< 0.0010 < 0.0010	0.296 0.573	0.0073 0.0028	0.0372 0.034	8.95 11.1	7.68 8.84
GH_SEEP_76	GH_SEEP_76_WS_2022-06-07_NP	2022-06-29	10.6		8.86			3.41	959	1600	2.7	1320	1.35		8.8	< 1.0	< 0.050		0.206		< 0.0050	34.7	< 0.0010	< 0.500	< 0.0028	0.0062	1.54	1.42
GH_SEEP_76	GH_SEEP_76_WS_2022-09-06_NP	2022-09-27	14.3	8.1	8.8	- 1	75.5	3.24	1360	1930	2.5	1720	0.59	279	< 1.0	< 1.0	< 0.250	0.67	0.163	909	0.0072	47.1	0.0214	0.504	< 0.0010	0.0033	0.92	0.85
GH_SEEP_77	GH_SEEP_77_WS_2022-06-07_NP	2022-06-29	7.3	7.9	9.85			3.36	1240	2080	1	1700	0.15		6.2	< 1.0	< 0.250		0.115		< 0.0050	89	< 0.0050	< 0.050		0.0032	1.28	1.28
GH_SEEP_77 GH_SEEP_79	GH_SEEP_77_WS_2022-09-06_NP GH_SEEP_79_WS_2022-06-07_NP	2022-09-27 2022-06-29	23.7 7.1	8.19 7.96	13.78 9.63			3.18 3.13	1390 1610	2080 2390	108 38.1	1910 2010	21.6		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250			1070 1180	0.0643 < 0.0050	42.6 23.8	0.0598 < 0.0050	1.69	< 0.0010 < 0.0010	0.0714 0.0284	7.72 3.28	3.42 1.87
GH_SEEP_79	GH_SEEP_79_WS_2022-09-06_NP	2022-00-23	12.4	8.3	9.46			3.46	208	893	318	554	117		13.7	< 1.0	0.231	66.3		61.3	0.0322	0.0208	0.003	2.71		0.308	5.11	0.75
GH_SEEP_98	GH_SEEP_98_WS_2022-06-07_NP	2022-06-29	12.1		5.98			8.3	666	1250	6.7	896	1.25		3.8	< 1.0	< 0.250		0.155		< 0.0050	1.15	< 0.0050	0.321	< 0.0010	0.0061	1.45	1.15
GH_SEEP_98	GH_SEEP_98_WS_2022-09-06_NP	2022-09-28	11.5	7.3 7.98	6.03			7.94 3.18	739	1250	43.3	987	2.9	_	< 1.0	< 1.0	< 0.250		0.143		0.04 < 0.0050	0.419 0.449	0.0089 < 0.0050	0.612	< 0.0010	0.0299	2.75	1.2 2.7
GH_W-SEEP GH W-SEEP	GH_W_SEEP_WS_2022-04-04_NP GH_W-SEEP_WS_2022-08-01_NP	2022-04-20 2022-08-23	0.7 12.9	6.45					1790 3040	2490 3490		2490 3470		455 1020	< 1.0 < 1.0		< 0.250 < 0.250		0.198	1450 2100	1.24	< 0.0250	< 0.0050	0.284 1.44	0.0037 < 0.0010	0.0413 0.167		
GH_WTDS	GH_WTDS_WS_2022-01-03_NP	2022-01-26	4.55	8.02	10.41	-	72	-	-	-	-	-	-	-			-	-	-		-	-	-	-	-	-	-	-
GH_WTDS	GH_WTDS_WS_2022-02-07_NP	2022-02-14		7.76			93.1 8			952				530	< 1.0		< 0.250			149	< 0.0050	0.341	< 0.0050		< 0.0010			
GH_WTDS GH WTDS	GH_WTDS_WS_2022-03-07_NP GH_WTDS_WS_2022-04-04_NP	2022-03-07 2022-04-06		7.75 7.92			91 7			962 945				516 460						139 174	< 0.0050 < 0.0050	0.214 0.97	< 0.0010 < 0.0050		< 0.0010 < 0.0010			
GH WTDS	GH WTDS WS 2022-04-04 NP	2022-04-06		7.77			38.2			952				516						172	< 0.0050	0.669	0.0055		0.0024			
GH_WTDS	GH_WTDS_WS_2022-06-06_NP	2022-06-09	7.2	7.88	9.79	- 1	20.7 8	3.25	496	946	4.2	637	0.27	490	< 1.0	< 1.0	< 0.250	13.5	0.154	160	< 0.0050	0.776	< 0.0050	0.19	< 0.0010	0.0036	1.07	
GH_WTDS	GH_WTDS_WS_2022-07-04_NP	2022-07-19		7.97			66.7		587	967				528						190	0.011	1.36	< 0.0050		< 0.0010			
GH_WTDS GH_WTDS	GH_WTDS_WS_2022-08-01_NP GH_WTDS_WS_2022-09-05_NP	2022-08-05 2022-09-20		7.81 7.7			171 8 69.4 8			937 917				0 478 515					0.164 < 0.400	190	< 0.0050 < 0.0050	0.878 0.397	< 0.0050 < 0.0200		< 0.0010 < 0.0010			
GH WTDS	GH_WTDS_WS_2022-09-05_NP GH_WTDS_WS_2022-10-03_NP	2022-09-20		7.69			155 8			885				0 526						136	< 0.0050	0.397	< 0.0050		< 0.0010			
						<u> </u>	`		0			, ,,,,		320			, 5.250							00				3.00

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX B - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	d Param	eters			-	hvsical Pa	rameter	s				Disse	olved Inor	ganics					Nutrient	s				
			+	1 1610	a i aiaiii	10.013			<u></u>	nyaicai Fe	ameter	-		+		D1331	J. 164 IIIOI	guilles				1	Hallielli	Ĭ				
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Field ORP	Нd	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbor
Location	ID	(yyyy-mm-dd)	С	pН	mg/L	μS/cm	mV	pH_	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Minimum Maximum	Acute Chronic			Minimum Maximum			Acute Chronic		Acute Chronic					Acute Chronic	Acute	Chronic	Acute	Acute Chronic	Acute Chronic			Chronic		
BC WQG FWAL			n/a	6.5 9	1 5	n/a	n/a	6.5 9	n/a	n/a	25 5	n/a	8 2	n/a	n/a	n/a	n/a	600 150	0.4- a	128-429 ⁶	0.681-28.7 ^b 0.102-2.08	b 32.8 3.7	0.06-0.60° 0.02-0.20°	n/a	n/a	0.015	n/a	n/a
Line Creek Operation																												
LC_3KM	LC_3KM_WS_SPRING-2022_NP	2022-06-29	19.12		-	-	123.98	8.6	277	574	< 1.0		0.54		14	< 1.0			0.098		0.005	1.75	0.0029	< 0.500		0.0137	2.25	
LC_3KM	LC_3KM_WS_FALL-2022_NP	2022-09-26	13.2		9.02	-	349	8.53	313	595	2.8	350	0.5		12.4	< 1.0	< 0.050	1.46	0.078		0.0085	1.62	0.002	< 0.500		0.0069	1.36	1.4
LC_SEEP1	LC_SEEP1_WS_FALL-2022_NP	2022-09-23	14.4		8.51	-	52	8.22	329	767	117	469		508	< 1.0		< 0.050	1.32	0.255		0.005	0.0115	0.001	0.061		0.0054	1.8	1.82
LC_SEEP10	LC_SEEP10_WS_SPRING-2022_NP	2022-07-08	11.2		-	-	-2.845	7.92	782	1400	1.8	969	7.99		< 1.0	< 1.0	1.27	192	0.129		0.0341	0.0565	0.005	< 0.050		0.0223	1.54	1.47
LC_SEEP10	LC_SEEP10_WS_FALL-2022_NP	2022-09-16	9.2		6.01	-	-14	7.74	843	1540	2.1	1060	7.92		< 1.0	< 1.0	1.76	208	0.15		0.0389	0.0488	0.005	< 0.500		0.0157	1.83	2.98
LC_SEEP11	LC_SEEP11_WS_SPRING-2022_NP	2022-07-08	10.1		-	-	45.925	8.13	603	1170	< 1.0	768	0.37	407	< 1.0	< 1.0	1.16	174	0.249		0.005	0.497	0.005			0.01	< 0.50	
LC_SEEP11	LC_SEEP11_WS_FALL-2022_NP	2022-09-16	9.6			-	100	7.73	608	1180	3.9	752	1.15	426	< 1.0	< 1.0	1.46	160	0.278		0.005	0.53	0.005		< 0.0010		< 0.50	
LC_SEEP14	LC_SEEP14_WS_SPRING-2022_NP	2022-06-29	6.2			-	244	7.98	468	804	3.4	562		247	< 1.0		< 0.050	5.34	0.183		0.005	7.2	0.001	< 0.500		0.0068	0.66	< 0.50
LC_SEEP15	LC_SEEP15_WS_SPRING-2022_NP	2022-06-29	7.1		10.53		136	7.74	530	833	10.6	632	3.97		< 1.0		< 0.250	2.04	0.175		0.005	6.09	0.005	0.4	< 0.0010	0.0121	0.68	< 0.50
LC_SEEP15	LC_SEEP15_WS_FALL-2022_NP	2022-09-23	6.5		10.53	-	212	8.23	568	847	19.9	698	4.1		< 1.0		< 0.250	1.13		309	0.005	6.29	0.005			0.0244	1.26	< 0.50
LC_SEEP19	LC_SEEP19_WS_SPRING-2022_NP	2022-06-29	5.3			-	259	7.9	332	601	< 1.0		0.24		< 1.0	< 1.0	< 0.050	0.2	0.164		0.005	1.55	0.0016	0.52	0.0035	0.0062	0.89	0.68
LC_SEEP19	LC_SEEP19_WS_FALL-2022_NP	2022-09-26	5.6			-	282	8.22	742	1070	1.5	843	0.21		< 1.0	< 1.0	< 0.250	0.63	0.198		0.005	4.26	0.005	0.216	0.0046	0.0059	< 0.50	< 0.50
LC_SEEP2	LC_SEEP2_WS_SPRING-2022_NP	2022-06-29	7.5			-	284	7.96	337	623	12.7	402	7.86		< 1.0	< 1.0	0.084	14.4	0.161		0.005	12.4	0.0033	1.76	< 0.0010	0.015	1.23	8.0
LC_SEEP2	LC_SEEP2_WS_FALL-2022_NP	2022-09-26	6.5			-	261	8.17	255	428	3.7	274	0.21		< 1.0		< 0.250	1.05	0.227		0.005	0.525	0.005	0.067	< 0.0010	0.0057	< 0.50	
LC_SEEP8	LC_SEEP8_WS_SPRING-2022_NP	2022-06-28	22.9		10.02	-	185	8.45	169	303	4.6	170	15.1		9.2	< 1.0	< 0.050	< 0.10		0.47	0.0094	0.0068	0.001	< 0.500		0.0189	6.8	6.15
LC_SEEP8	LC_SEEP8_WS_FALL-2022_NP	2022-09-20	11.7		7.78	-	186	7.93	138	243	566	394	850		< 1.0	< 1.0	< 0.050	0.73	0.291		0.456	0.354	0.0088	3.54	0.0083	0.795	44.1	14.2
LC_UDHP	LC_UDHP_WS_SPRING-2022_NP	2022-06-23	3.9		7.61	-	268	7.89	259	513	< 1.0		1.72		< 1.0	< 1.0	< 0.050	1.56		30.3	0.0053	3.68	0.001	< 0.500		0.0208	3.25	3.2
LC_UDHP	LC_UDHP_WS_FALL-2022_NP	2022-09-26	7.8			-	234	7.96	552	993	2.3	774	1.35		< 1.0		< 0.250	15.8	< 0.100		0.005	36.6	0.0069	0.449	0.0188	0.0197	1.12	1.32
LC_UDP1	LC_UDP1_WS_SPRING-2022_NP	2022-06-23	5.5			-	292	8	272	530	1.5	286		356	< 1.0		< 0.050	0.5		4.52	0.005	0.452	0.001	< 0.500		0.0117	2.13	
LC_UDP1	LC_UDP1_WS_FALL-2022_NP	2022-09-26	11.8		9.07	-	256	8.15	204	364	6.8	223	3.12		< 1.0	< 1.0	< 0.050	0.23	0.119		0.005	0.133	0.001	0.085	0.011	0.0189	0.83	0.9
LC_WLC_LOT2	LC_WLC_LOT2_WS_SPRING-2022_NP	2022-07-08	4.3		-	-	92.54	8.31	995	1500	< 1.0	1220	0.12		< 1.0	< 1.0	< 0.250	3.38	0.14		0.005	7.45	0.005	0.062	0.002	0.0063	0.98	1.03
LC WLC LOT2	LC WLC LOT2 WS FALL-2022 NP	2022-09-23	5.2	7.93	10.72	-	193	8.08	1100	1510	3.8	1490	1.04	387	< 1.0	< 1.0	< 0.250	5.03	0.213	813	0.005	1.64	0.005	0.765	0.0182	0.036	1.37	1.42

< Denotes concentration less than indicated detection limit

Denotes analysis not conducted
 n/a denotes no applicable standard

BOLD ITALIC Concentrate greater than the chronic (30-Day average) BCWQG for FWAL Concentrate greater than the acute (short term) BCWQG for FWAL

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX B - TABLE 2: Summary of Analytical Results for Dissolved Metals

			Г							Dissolve	ed Metals						
Sample	Sample	Sample Date	Hardness	ei ei		Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron			Calcium	Chromium	Cobalt	Copper
Location	ID	(mm/dd/yyyy)	mg/L	mg	ı/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	m	g/L	mg/L	mg/L	mg/L	mg/L
				Acute	Chronic		J	Ĭ			J	Acute	Chronic		Ü	ŭ	Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a	0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Coal Mountain Mine							1										
CM_37PIT-SEEP-E	CM_37PIT-SEEP-E_WS_2022-07-07_NP	2022-07-07		0.0		0.00012	0.00018	0.0215	< 0.020	< 0.000050	0.232		00939	191	< 0.00010	0.0191	< 0.00020
CM_37PIT-SEEP-E	CM_37PIT-SEEP-E_WS_2022-09-02_NP	2022-09-28	476	< 0.0		< 0.00010	0.00019	0.0207	< 0.020	< 0.000050	0.307		0050	114	< 0.00010	0.00063	0.00028
CM_37PIT-SEEP-W	CM_37PIT-SEEP-W_WS_2022-07-07_NP	2022-07-07	458	< 0.0		< 0.00010	0.00025	0.0318	0.000025	< 0.000050	0.327		00086	128	< 0.00010	0.00397	< 0.00020
CM_37PIT-SEEP-W	CM_37PIT-SEEP-W_WS_2022-09-02_NP	2022-09-28		< 0.0		< 0.00010	0.00016	0.0334	< 0.020	< 0.000050	0.295		0050	33.9	< 0.00010	0.00066	0.0002
CM_CCDS	CM_CCDS_WS_2022-07-20_NP	2022-06-16		0.0		< 0.00010	0.00031	0.0401	< 0.020	< 0.000050	0.012		00315	72.5	0.0003	< 0.10	< 0.00020
CM_CS1	CM_CS1_WS_2022-07-20_NP	2022-06-16		0.0		< 0.00010	0.0004	0.0397	< 0.020	< 0.000050	0.011		00162	90.9	0.00027	< 0.10	< 0.00020
CM_CS1	CM_CS1_WS_2022-09-02_NP	2022-09-15	314	0.0		< 0.00010	0.00029	0.0527	< 0.020	< 0.000050	< 0.010		00182	82.4	0.00019	< 0.10	< 0.00020
CM_MM-SEEP1	CM_MM-SEEP1_WS_2022-07-20_NP	2022-06-16	614	0.0		0.00022	< 0.00010	0.0604	< 0.020	< 0.000050	0.086		00407	120	< 0.00010	< 0.10	0.00022
CM_MM-SEEP1	CM_MM-SEEP1_WS_2022-09-02_NP	2022-09-15	490	< 0.0		0.00021	< 0.00010	0.0817	< 0.020	< 0.000050	0.084		00286	106	< 0.00010	< 0.10	0.00036
CM_MM-SEEP3	CM_MM-SEEP3_WS_2022-07-20_NP	2022-06-16	1020	0.0		< 0.00010	0.00044	0.0596	< 0.020	< 0.000050	0.073		0050	252	< 0.00010	0.00032	0.00029
CM_MM-SEEP3	CM_MM-SEEP3_WS_2022-09-02_NP	2022-09-15		0.0		< 0.00010	0.00063	0.0586	< 0.020	< 0.000050	0.082		0050	231	< 0.00010	0.00039	< 0.00020
CM_MM-SEEP5	CM_MM-SEEP5_WS_2022-07-20_NP	2022-06-16	791	0.0		< 0.00010	< 0.00010	0.0314	0.000093	< 0.000050	0.061		0844	184	< 0.00010	0.00995	0.00119
CM_MM-SEEP5	CM_MM-SEEP5_WS_2022-09-02_NP	2022-09-15	581	0.0		< 0.00010	< 0.00010	0.0349	0.000024	< 0.000050	0.06		0143	137	< 0.00010	0.0003	0.00042
CM_NS1	CM_NS1_WS_2022-07-20_NP	2022-06-16		0.0		0.00022	0.00016	0.0287	< 0.020	< 0.000050	0.026		0152	247	< 0.00010	0.00016	0.00033
CM_NS1	CM_NS1_WS_2022-09-02_NP	2022-09-14	1650	< 0.0		0.00024	< 0.00020	0.0183	< 0.040	< 0.000100	0.029		0157	293	< 0.00020	0.00026	0.00059
CM_NS4	CM_NS4_WS_2022-07-20_NP	2022-06-16	768	< 0.0		0.00026	< 0.00010	0.0297	< 0.020	< 0.000050	0.058		0014	169	< 0.00010	< 0.10	0.00024
CM_NS4	CM_NS4_WS_2022-09-02_NP	2022-09-14	1100	0.0		< 0.00010	0.00016	0.0326	< 0.020	< 0.000050	0.101	0.00	0103	268	< 0.00010	0.00102	0.00024 0.00025
CM_NS7	CM_NS7_WS_2022-07-20_NP	2022-06-16	1020			0.00029	0.00022	0.0293	< 0.020	< 0.000050	0.04			198	< 0.00010	0.00022	
CM_NS7	CM_NS7_WS_2022-09-02_NP	2022-09-14	11.4	0.0		0.00019	0.00032	0.0345	< 0.020	< 0.000050	0.049		00206	218	< 0.00010	0.00058	0.00026
CM_PLANT-SEEP1	CM_PLANT-SEEP1_WS_2022-07-20_NP	2022-06-16	-	< 0.0		< 0.00010	< 0.00010	0.0502	< 0.020	< 0.000050	0.065		00094 0050	169	< 0.00010	0.00201	< 0.00020
CM_PLANT-SEEP1	CM_PLANT-SEEP1_WS_2022-09-02_NP	2022-09-15		0.0		< 0.00010	0.00026	0.0423	< 0.020	< 0.000050	0.068		0030	194	< 0.00010	0.00533	< 0.00020 < 0.00020
CM_WD15	CM_WD15_WS_2022-07-20_NP	2022-06-15		0.0		0.00021	0.00013	0.0196	< 0.020	< 0.000050	0.051		0025	245	< 0.00010	< 0.10	< 0.00020
CM_WD15	CM_WD15_WS_2022-09-02_NP	2022-09-14		0.0		< 0.00020	< 0.00020	0.0192	< 0.040	< 0.000100	0.053		0025	290	< 0.00020 < 0.00020	< 0.20	< 0.00040
CM_WD15 CM_WD15-SOURCE	CM_WD15_WS_2022-09-19_NP CM_WD15-SOURCE_WS_2022-07-20_NP	2022-09-19		0.0		< 0.00020 0.0002	< 0.00020 0.00014	0.0175 0.0142	< 0.040 < 0.020	< 0.000100 < 0.000050	0.05 0.046		00204	293 269	< 0.00020	< 0.20 0.00041	0.00040
CM_WD15-SOURCE CM_WD15-SOURCE	CM_WD15-SOURCE_WS_2022-07-20_NP CM_WD15-SOURCE_WS_2022-09-02_NP	2022-06-15	10.8	0.0		< 0.0002	< 0.00014	0.0142	< 0.020	< 0.000050	0.046		00234	321	< 0.00010	0.00041	< 0.00023
CM_WD15-SOURCE CM_WD15-SOURCE	CM_WD15-SOURCE_WS_2022-09-02_NP CM_WD15-SOURCE_WS_2022-09-19_NP	2022-09-14	10.8	0.0		< 0.00020	< 0.00020	0.0129	< 0.040	< 0.000100	0.058		00455	321	< 0.00020	0.00031	< 0.00040
	CM WD15-SOURCE_WS_2022-09-19_NP CM WD18 WS_2022-07-20_NP	2022-09-19	- 6	0.0		0.00019	0.00020			< 0.000100	0.05		0014 0014	253	< 0.00020		< 0.00040
CM_WD18 CM_WD18	CM_WD18_WS_2022-07-20_NP CM_WD18_WS_2022-09-02_NP	2022-06-15	6 8.5	0.0		< 0.00019	< 0.00011	0.0171 0.0191	< 0.020 < 0.040	< 0.000050	0.016		0014	326	< 0.00010	< 0.10 0.00022	< 0.00020
CM_WD18 CM_WD19	CM_WD18_WS_2022-09-02_NP CM_WD19_WS_2022-07-20_NP	2022-09-14		0.0		0.00020	0.00020	0.0191	< 0.040	< 0.000100	0.02		00386	224	< 0.00020	0.00022	< 0.00040
CM_WD19 CM_WD19	CM_WD19_WS_2022-07-20_NP CM_WD19_WS_2022-09-02_NP	2022-06-15		0.0		< 0.00015	< 0.00014	0.0198	< 0.020	< 0.000050	0.032		00386	270	< 0.00010	0.00026	< 0.00020
CM_WD19 CM_WD4	CM_WD19_WS_2022-09-02_NP CM_WD4_WS_2022-07-20_NP	2022-09-14	8.9	0.0		0.00020	0.00020	0.0234	< 0.040	< 0.000100	0.044		0108	105	< 0.00020	< 0.10	0.00023
CM_WD4	CM_WD4_WS_2022-07-20_NP CM_WD4_WS_2022-09-02_NP	2022-06-15	10.6	0.00		0.00021	0.00014	0.0321	< 0.020	< 0.000050	0.016	0.00		157	< 0.00010	< 0.10	0.00023
CM_WD4 CM_WD7	CM_WD4_WS_2022-09-02_NP CM_WD7_WS_2022-07-20_NP	2022-09-14	5.4	0.0		0.00015	0.00013	0.0508	< 0.020	< 0.000050	0.025		0135	72	< 0.00010	< 0.10	0.0002
CM_WD7	CM_WD7_WS_2022-07-20_NP CM_WD7_WS_2022-09-02_NP	2022-06-15	9	0.0		0.00034	0.00012	0.044	< 0.020	< 0.000050	0.011		00974	104	< 0.00010	< 0.10	0.00034
CIVI_VVD/	CIVI_VVD1_VV3_ZUZZ-U3-UZ_NP	2022-09-14	9	0.0	פוע	0.00010	0.00011	U.U404	<u> </u>	~ U.UUUU3U	0.010	0.000	JU814	104	~ U.UUU IU	∼ 0.10	0.00027

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX B - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals							
		ness		7	E n	nesium	ganese	le:	ıssium	nium	10	ium	ntium	lium		mnir	ium	
Sample	Sample	Sample Date	uo.	o a	Ē	lag	ם	<u>:</u>	ote	99	Ě	ро	ļ ģ	<u>a</u>	.⊑	<u>i</u> ta	<u>ra</u>	<u>i.i.</u>
Location	Sample	(mm/dd/yyyy) mg/L	<u>=</u> mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	⊢ mg/L	⊢ mg/L	⊢ mg/L	mg/L	mg/L
Location	שו	[(IIIII/dd/yyyy)] IIIg/L	ilig/L	IIIg/L	IIIg/L	IIIg/L	IIIg/L	mg/L	mg/L	µg/∟	ilig/L	mg/L	mg/L	ilig/L	IIIg/L	mg/L	IIIg/L	ilig/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Coal Mountain Mine		•					•			•	•				•	•		
CM_37PIT-SEEP-E	CM_37PIT-SEEP-E_WS_2022-07-07_NP	2022-07-07 709	< 0.010	< 0.000050	0.0859	56.3	0.265	0.0662	3.36	1.26	< 0.000010	70.1	1.76	0.000066	< 0.00010	< 0.00030	0.00265	0.0118
CM_37PIT-SEEP-E	CM_37PIT-SEEP-E_WS_2022-09-02_NP	2022-09-28 476	0.039	< 0.000050	0.0984	46.4	0.00986	0.00614	3.61	0.084	< 0.000010	88.1	1.67	0.000012	< 0.00010	< 0.00030	0.00556	< 0.0010
CM_37PIT-SEEP-W	CM_37PIT-SEEP-W_WS_2022-07-07_NP	2022-07-07 458	0.362	< 0.000050	0.146	33.5	0.0808	0.0141	3.3	< 0.050	< 0.000010	128	2.62	0.000014	< 0.00010	< 0.00030	0.000411	0.0068
CM_37PIT-SEEP-W	CM_37PIT-SEEP-W_WS_2022-09-02_NP	2022-09-28 180	0.03	< 0.000050	0.175	23.1	0.00162	0.00648	3.59	< 0.050	< 0.000010	157	1.61	0.000014	< 0.00010	< 0.00030	0.000713	< 0.0010
CM_CCDS	CM_CCDS_WS_2022-07-20_NP	2022-06-16 300	< 0.010	< 0.000050	0.005	28.9	< 0.00010	0.001	0.793	6.49	< 0.000010	6.58	0.178	0.000016	< 0.00010	< 0.00030	0.000942	0.0017
CM_CS1	CM_CS1_WS_2022-07-20_NP	2022-06-16 365	< 0.010	< 0.000050	0.0029	33.5	0.00035	0.00099	0.788	8.95	< 0.000010	10.7	0.171	0.000016	< 0.00010	< 0.00030	0.000539	0.0015
CM_CS1	CM_CS1_WS_2022-09-02_NP	2022-09-15 314	< 0.010	< 0.000050	0.005	26.2	0.00066	0.00096	0.692	7.73	< 0.000010	6.49	0.16	0.000018	< 0.00010	< 0.00030	0.000506	0.0018
CM_MM-SEEP1	CM_MM-SEEP1_WS_2022-07-20_NP	2022-06-16 614	< 0.010	< 0.000050	0.0269	76.4	0.00045	0.00307	3.23	5.25	< 0.000010	27.8	0.894	< 0.000010	< 0.00010	< 0.00030	0.00286	0.0025
CM_MM-SEEP1	CM_MM-SEEP1_WS_2022-09-02_NP	2022-09-15 490	< 0.010	< 0.000050	0.0206	54.7	0.00146	0.00212	3.03	2.49	< 0.000010	22.2	0.769	< 0.000010	< 0.00010	< 0.00030	0.00182	0.0022
CM_MM-SEEP3	CM_MM-SEEP3_WS_2022-07-20_NP	2022-06-16 1020	0.051	< 0.000050	0.0053	95.4	0.154	0.00082	1.34	0.806	< 0.000010	47.2	0.902	< 0.000010	< 0.00010	< 0.00030	0.00141	< 0.0010
CM_MM-SEEP3	CM_MM-SEEP3_WS_2022-09-02_NP	2022-09-15 976	0.042	< 0.000050	0.0058	97	0.286	0.00104	1.51	0.186	< 0.000010	63.1	0.844	< 0.000010	< 0.00010	< 0.00030	0.000983	< 0.0010
CM_MM-SEEP5	CM_MM-SEEP5_WS_2022-07-20_NP	2022-06-16 791	0.018	< 0.000050	0.0167	80.6	0.141	0.0623	2.31	1.51	< 0.000010	15.5	1.04	0.000038	< 0.00010	< 0.00030	0.00182	0.14
CM_MM-SEEP5	CM_MM-SEEP5_WS_2022-09-02_NP	2022-09-15 581	< 0.010	< 0.000050	0.0131	58	0.00751	0.0114	2.15	0.295	< 0.000010	13.6	0.685	0.000017	< 0.00010	< 0.00030	0.00133	0.0318
CM_NS1	CM_NS1_WS_2022-07-20_NP	2022-06-16 1380	0.011	< 0.000050	0.0138	185	0.0102	0.00733	3.91	23.2	< 0.000010	13.6	0.475	0.000013	< 0.00010	< 0.00030	0.00474	0.0134
CM_NS1	CM_NS1_WS_2022-09-02_NP	2022-09-14 1650	< 0.020	< 0.000100	0.0191	223	0.0223	0.00969	3.93	14.9	< 0.000020	20	0.617	< 0.000020	< 0.00020	< 0.00060	0.00617	0.0141
CM_NS4	CM_NS4_WS_2022-07-20_NP	2022-06-16 768	< 0.010	< 0.000050	0.0222	84.1	0.00122	0.00487	3.61	17.3	< 0.000010	24.2	0.533	0.000012	< 0.00010	< 0.00030	0.00278	0.0056
CM_NS4	CM_NS4_WS_2022-09-02_NP	2022-09-14 1100	< 0.010	< 0.000050	0.0325	105	0.0718	0.0101	3.94	0.529	< 0.000010	37.7	1.05	0.000035	< 0.00010	< 0.00030	0.00249	0.0068
CM_NS7	CM_NS7_WS_2022-07-20_NP	2022-06-16 1020	0.03	< 0.000050	0.0176	129	0.0289	0.00845	3.75	22.4	< 0.000010	26.6	0.452	< 0.000010	< 0.00010	< 0.00030	0.00377	0.01
CM_NS7	CM_NS7_WS_2022-09-02_NP	2022-09-14 11.4	0.032	< 0.000050	0.0185	129	0.165	0.00817	3.44	8.33	< 0.000010	28	0.554	0.000012	< 0.00010	< 0.00030	0.00384	0.0051
CM_PLANT-SEEP1	CM_PLANT-SEEP1_WS_2022-07-20_NP	2022-06-16 -	0.188	< 0.000050	0.025	81	0.281	0.00599	2.98	0.425	< 0.000010	16.4	0.74	0.000025	< 0.00010	< 0.00030	0.0024	0.0101
CM_PLANT-SEEP1	CM_PLANT-SEEP1_WS_2022-09-02_NP	2022-09-15 5.6	4.5	< 0.000050	0.0274	76.6	0.483	0.00998	2.9	0.073	< 0.000010	18.7	0.752	< 0.000010	< 0.00010	< 0.00030	0.00218	0.006
CM_WD15	CM_WD15_WS_2022-07-20_NP	2022-06-15 6.5	< 0.010	< 0.000050	0.0291	155	0.0002	0.0078	3.87	12.3	< 0.000010	17.4	0.699	< 0.000010	< 0.00010	< 0.00030	0.00492	0.0012
CM_WD15	CM_WD15_WS_2022-09-02_NP	2022-09-14 4.9	< 0.020	< 0.000100	0.0298	206	0.00023	0.0108	4.07	7.04	< 0.000020	19.8	0.902	< 0.000020	< 0.00020	< 0.00060	0.00652	< 0.0020
CM_WD15	CM_WD15_WS_2022-09-19_NP	2022-09-19 7.6	< 0.020	< 0.000100	0.0355	194	< 0.00020	0.00982	4.24	7.92	< 0.000020	18.8	0.83	< 0.000020	< 0.00020	< 0.00060	0.00602	< 0.0020
CM_WD15-SOURCE	CM_WD15-SOURCE_WS_2022-07-20_NP	2022-06-15 7.3	< 0.010	< 0.000050	0.0288	159	0.00293	0.0171	3.85	16.2	< 0.000010	16.4	0.735	0.000012	< 0.00010	< 0.00030	0.00532	0.0061
CM_WD15-SOURCE	CM_WD15-SOURCE_WS_2022-09-02_NP	2022-09-14 10.8	< 0.020	< 0.000100	0.0325	213	0.00382	0.0191	4.05	9.91	< 0.000020	18.2	0.877	< 0.000020	< 0.00020	< 0.00060	0.00724	0.0041
CM_WD15-SOURCE	CM_WD15-SOURCE_WS_2022-09-19_NP	2022-09-19 -	< 0.020	< 0.000100	0.0353	200	0.00684	0.0185	4.03	10.1	< 0.000020	18	0.813	< 0.000020	< 0.00020	< 0.00060	0.00655	0.0078
CM_WD18	CM_WD18_WS_2022-07-20_NP	2022-06-15 6	< 0.010	< 0.000050	0.0097	154	0.00105	0.00597	3.09	33.4	< 0.000010	5.07	0.418	0.000013	< 0.00010	< 0.00030	0.00487	0.0056
CM_WD18	CM_WD18_WS_2022-09-02_NP	2022-09-14 8.5	< 0.020	< 0.000100	0.0142	212	0.00653	0.00798	3.53	28.3	< 0.000020	6.87	0.62	0.00002	< 0.00020	< 0.00060	0.00788	0.0049
CM_WD19	CM_WD19_WS_2022-07-20_NP	2022-06-15 9.6	< 0.010	< 0.000050	0.0221	107	0.0114	0.00677	3.06	19.2	< 0.000010	16.2	0.595	< 0.000010	< 0.00010	< 0.00030	0.00233	0.0058
CM_WD19	CM_WD19_WS_2022-09-02_NP	2022-09-14 9.9	< 0.020	< 0.000100	0.0331	129	0.0348	0.00711	2.97	4.22	< 0.000020	23.2	0.836	< 0.000020	< 0.00020	< 0.00060	0.00201	0.0027
CM_WD4	CM_WD4_WS_2022-07-20_NP	2022-06-15 8	< 0.010	< 0.000050	0.0047	58.4	0.003	0.0029	1.68	19.3	< 0.000010	1.81	0.278	< 0.000010	< 0.00010	< 0.00030	0.002	0.0066
CM_WD4 CM_WD7	CM_WD4_WS_2022-09-02_NP	2022-09-14 10.6	< 0.010	< 0.000050	0.0077	79.1	0.00365	0.00272 0.00336	1.95	8.25	< 0.000010 < 0.000010	3.61	0.475	< 0.000010	< 0.00010 < 0.00010	< 0.00030	0.00215	0.0109
CM_WD7	CM_WD7_WS_2022-07-20_NP CM_WD7_WS_2022-09-02_NP	2022-06-15 5.4 2022-09-14 9	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0058	42.3 53.5	0.00103	0.00336	1.56 0.625	33.2 9.9	< 0.000010	1.59 3.06	0.232 0.393	< 0.000010 < 0.000010	< 0.00010	< 0.00030 < 0.00030	0.00278 0.00216	0.0095 0.008
CIVI_VVD/	CIVI_VVD7_VVS_ZUZZ-U9-UZ_NP	2022-09-14 9	< 0.010	VC000050	0.0082	ეკ.ე	0.00279	0.00344	U.020	9.9	< 0.000010	3.00	0.393	< 0.000010	< 0.00010	< 0.00030	0.00216	0.008

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX B - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals						
Quarte	Quarter (Samuela Bata	ardness	luminum		ntimony	rsenic	arium	eryllium	ismuth	Boron	admium		alcium	Chromium	Cobalt	opper
Sample	Sample ID	Sample Date	T ma/l	∢ mg/	1	∢	⋖	<u>ma/l</u>	ma/l	<u></u>		mg/l		ma/l			mg/L
Location	lD ID	(mm/dd/yyyy)	mg/L	nig/	. <u>.</u>	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	l liig/i	. <u>.</u>	mg/L	mg/L	mg/L	
				Acute	Chroni							Acute	Chroni				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a	0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Elkview Operation						1											
EV_CN1	EV_CN1_WS_2022-05-18_NP	2022-05-18		0.00		0.00055	< 0.00010	0.0166	< 0.020	< 0.000050	< 0.010	0.0001		80.9	0.00014	< 0.10	0.00022
EV_CN1	EV_CN1_WS_2022-06-29_NP	2022-06-29	11.8	0.00		0.00053	0.0001	0.0168	< 0.020	< 0.000050	< 0.010	0.0001		82.3	0.00011	< 0.10	< 0.00020
EV_CN1	EV_CN1_WS_2022-07-14_NP	2022-07-14	-	< 0.00		0.0006	0.00013	0.0201	< 0.020	< 0.000050	< 0.010	0.0001		94.6	0.00012	< 0.10	0.00026
EV_CN1	EV_CN1_WS_2022-07-20_NP	2022-07-20	15.6	< 0.00		0.00069	0.00013	0.0233	< 0.020	< 0.000050	< 0.010	0.0002		106	0.00014	< 0.10	< 0.00020
EV_CN1	EV_CN1_WS_2022-08-25_NP	2022-08-25	9.2	0.00		0.00057	0.00011	0.0225	< 0.020	< 0.000050	< 0.010	0.0001		113	0.00013	< 0.10	0.0003
EV_CN1	EV_CN1_WS_2022-09_SA_NP		18.1	< 0.00		0.00059	0.00011	0.02	< 0.020	< 0.000050	< 0.010	0.000		101	0.00012	< 0.10	< 0.00020
EV_CN1	EV_CN1_WS_2022-10-20_NP	2022-10-20	14.1	0.00		0.00057	0.0001	0.022	< 0.020	< 0.000050	< 0.010	0.000		123	0.0001	< 0.10	0.00023
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-05-18_NP	2022-05-18	15.2	< 0.00		< 0.00010	< 0.00010	0.0404	< 0.020	< 0.000050	0.011	0.0000		137	< 0.00010	< 0.10	< 0.00020
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-06-29_NP	2022-06-29	594	0.00		< 0.00010	< 0.00010	0.0396	< 0.020	< 0.000050	0.012	0.0000		134	< 0.00010	< 0.10	< 0.00020
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-07-14_NP	2022-07-14	6.9	< 0.00		< 0.00010	< 0.00010	0.0444	< 0.020	< 0.000050	0.014	0.0000		140	< 0.00010	< 0.10	0.00044
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-07-20_NP	2022-07-20	-	< 0.00		< 0.00010	< 0.00010	0.048	< 0.020	< 0.000050	0.013	0.0000		150	< 0.00010	< 0.10	< 0.00020
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-08-24_NP		10.2	< 0.00		< 0.00010	< 0.00010	0.0439	< 0.020	< 0.000050	0.012	0.000		145	< 0.00010	< 0.10	< 0.00020
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-09_SA_NP		10.9	< 0.00		< 0.00010	< 0.00010	0.0467	< 0.020	< 0.000050	0.012	0.0000		156	< 0.00010	< 0.10	< 0.00020
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-05-19_NP	2022-05-19	11.6	0.00		< 0.00010	0.00013	0.446	< 0.020	< 0.000050	< 0.010	0.0009		65.9	< 0.00010	0.00203	< 0.00020
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-06-29_NP	2022-06-29		0.00		< 0.00010	0.00015	0.45	< 0.020	< 0.000050	< 0.010	0.0009		63.1	< 0.00010	0.00216	< 0.00020
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-07-20_NP	2022-07-20		< 0.00		< 0.00010	0.00014	0.507	< 0.020	< 0.000050	< 0.010	0.001		66.3	< 0.00010	0.00234	< 0.00020
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-08-24_NP		10.4	< 0.00		< 0.00010	0.00015	0.438	< 0.020	< 0.000050	< 0.010	0.0008		58.2	< 0.00010	0.00205	0.00023
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-09_SA_NP	2022-09-28	10.3	0.00		< 0.00010	0.00013	0.39	< 0.020	< 0.000050	< 0.010	0.0007		52.9	< 0.00010	0.00187	< 0.00020
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-10-20_NP	2022-10-20	10.5	0.00		< 0.00010	0.00016	0.366	< 0.020	< 0.000050	< 0.010	0.0007		51	< 0.00010	0.00171	< 0.00020
EV_SEEP_BREAKERLAKE			9.66	< 0.00		< 0.00010	0.00014	0.472	< 0.020	< 0.000050	< 0.010	0.0009		63.9	< 0.00010	0.00227	< 0.00020
	EV_SEEP_BREAKERLAKE_WS_2022-09_SA_NP		9.54	< 0.00		0.00069	0.00017	0.0267	< 0.020	< 0.000050	0.017	0.0003		96.8	< 0.00010	0.00127	0.0005
EV_SEEP_CFI1	EV_SEEP_CFI1_WS_2022-06_SA_NP	2022-07-07	9.66	< 0.00	010	< 0.00010	< 0.00010	2.67	< 0.020	< 0.000050	0.051	0.0000		94	< 0.00010	0.0003	0.0002
EV_SEEP_CFI1	EV_SEEP_CFI1_WS_2022-09_SA_NP		10.1	< 0.00		< 0.00010	0.00011	2.78	< 0.020	< 0.000050	0.045	< 0.00		108	< 0.00010	0.00024	< 0.00020
EV_SEEP_CFI2	EV_SEEP_CFI2_WS_2022-06_SA_NP	2022-07-08	12.5	0.00	13	< 0.00010	0.00012	0.478	< 0.020	< 0.000050	0.054	< 0.00		97.2	< 0.00010	< 0.10	0.00041
EV_SEEP_CFI2	EV_SEEP_CFI2_WS_2022-09_SA_NP	2022-09-26	11	< 0.00	010	< 0.00010	0.00012	0.415	< 0.020	< 0.000050	0.052	< 0.00	50	89.4	< 0.00010	< 0.10	< 0.00020
EV_SEEP_ERICKSON1	EV_SEEP_ERICKSON1_WS_2022-06_SA_NP	2022-07-13	-	< 0.00	010	< 0.00010	0.00167	0.0258	< 0.020	< 0.000050	0.01	0.0000	112	160	< 0.00010	0.00172	< 0.00020
EV_SEEP_ERICKSON1	EV_SEEP_ERICKSON1_WS_2022-09_SA_NP	2022-10-05	-	0.00		< 0.00010	0.00164	0.0254	< 0.020	< 0.000050	0.01	0.0000		176	< 0.00010	0.00183	< 0.00020
EV_SEEP_ERICKSON2	EV_SEEP_ERICKSON2_WS_2022-06_SA_NP	2022-07-07	8.75	0.004	42	0.00061	0.00095	0.186	< 0.020	< 0.000050	0.012	0.0000	764	92.8	0.00024	< 0.10	0.00107
EV_SEEP_ERICKSON2	EV_SEEP_ERICKSON2_WS_2022-09_SA_NP	2022-09-28	11.7	< 0.00	020	0.0014	0.00054	0.0211	< 0.040	< 0.000100	0.03	0.0003	88	391	< 0.00020	0.00066	0.00095
EV_SEEP_HOPPER2	EV_SEEP_HOPPER2_WS_2022-06_SA_NP	2022-07-14	11.3	0.00	28	0.00145	< 0.00020	0.00982	< 0.040	< 0.000100	0.108	0.0007	95	333	0.00211	0.00255	0.0008
EV_SEEP_HOPPER2	EV_SEEP_HOPPER2_WS_2022-09_SA_NP	2022-09-27	8.65	< 0.00	020	0.00158	< 0.00020	0.0101	< 0.040	< 0.000100	0.145	0.0005	34	325	0.0012	0.00514	0.00118
EV_SEEP_PLANT1	EV_SEEP_PLANT1_WS_2022-06_SA_NP	2022-07-08	10.1	0.00	31	0.00024	0.00029	0.106	< 0.020	< 0.000050	0.204	0.0000	584	110	< 0.00010	0.0001	0.00078
EV_SEEP_PLANT10	EV_SEEP_PLANT10_WS_2022-06_SA_NP	2022-07-08	1	0.004	45	< 0.00020	0.00021	0.0254	< 0.040	< 0.000100	0.506	< 0.01	00	162	< 0.00020	< 0.20	< 0.00040
EV_SEEP_PLANT11	EV_SEEP_PLANT11_WS_2022-06_SA_NP	2022-07-07		< 0.00		< 0.00010	0.00026	0.166	< 0.020	< 0.000050	0.249	0.0000		116	< 0.00010	< 0.10	0.00023
EV_SEEP_PLANT11	EV_SEEP_PLANT11_WS_2022-09_SA_NP	2022-09-26	11.3	< 0.00	010	< 0.00010	0.0003	0.148	< 0.020	< 0.000050	0.211	0.0000	186	123	< 0.00010	< 0.10	0.00035
EV_SEEP_PLANT23	EV_SEEP_PLANT23_WS_2022-06_SA_NP	2022-07-07	10.9	< 0.00	010	0.00036	0.00024	0.0328	< 0.020	< 0.000050	0.079	0.0000	178	156	< 0.00010	< 0.10	0.00051
EV_SEEP_PLANT23	EV_SEEP_PLANT23_WS_2022-09_SA_NP	2022-09-26	7.67	< 0.00	010	0.00038	0.00024	0.0298	< 0.020	< 0.000050	0.092	0.0000	067	183	< 0.00010	< 0.10	0.00035
EV_SEEP_SOUTHPIT3	EV_SEEP_SOUHTPIT3_WS_2022-06_SA_NP	2022-07-13	-	0.00	52	0.00035	0.00037	0.0885	< 0.020	< 0.000050	< 0.010	0.0000	518	59.3	< 0.00010	< 0.10	0.00052
EV_SEEP_SOUTHPIT3	EV SEEP SOUTHPIT3 WS 2022-09 SA NP	2022-09-30	3.6	< 0.00	010	0.0004	0.00039	0.144	< 0.020	< 0.000050	0.013	0.0001	05	102	< 0.00010	< 0.10	0.00053
EV_SEEP_SOUTHPIT4	EV_SEEP_SOUTHPIT4_WS_2022-06_SA_NP	2022-07-13	2	0.00)1	< 0.00010	0.00017	3.27	< 0.020	< 0.000050	0.101	< 0.00	50	89	< 0.00010	< 0.10	< 0.00020
EV_SEEP_SOUTHPIT4	EV_SEEP_SOUTHPIT4_WS_2022-09_SA_NP	2022-09-30	0.9	0.00	63	< 0.00010	0.00014	3.8	< 0.020	< 0.000050	0.101	< 0.00		93.5	< 0.00010	< 0.10	< 0.00020
EV_SEEP_SOUTHPIT6	EV_SEEP_SOUTHPIT6_WS_2022-06_SA_NP	2022-07-13	3.4	< 0.00	050	< 0.00050	< 0.00050	0.0389	< 0.100	< 0.000250	< 0.050	0.0000	86	378	< 0.00050	< 0.50	0.00111
EV_SEEP_SOUTHPIT6	EV_SEEP_SOUTHPIT6_WS_2022-09_SA_NP	2022-10-04	14.9	0.002	27	0.0005	0.00031	0.0324	< 0.040	< 0.000100	0.027	0.0001	34	477	< 0.00020	< 0.20	0.00086
EV SEEP TURCON1	EV SEEP TURCON1 WS 2022-06 SA NP	2022-07-08	15.9	0.00	21	< 0.00010	0.00017	0.135	< 0.020	< 0.000050	0.053	< 0.00	50	126	< 0.00010	< 0.10	< 0.00020
EV_SEEP_TURCON1	EV_SEEP_TURCON1_WS_2022-09_SA_NP	2022-09-27	19.8	< 0.00	010	< 0.00010	< 0.00010	0.0912	< 0.020	< 0.000050	0.077	< 0.00	50	109	< 0.00010	< 0.10	< 0.00020
EV SPR1B	EV SPR1B WS 2022-04 QRT NP	2022-06-01	14.8	< 0.00	010	0.00023	< 0.00010	0.0607	< 0.020	< 0.000050	0.031	0.0000	181	89.5	< 0.00010	< 0.10	0.00024
EV SPR1B	EV SPR1B WS 2022-07 QRT NP	2022-09-01	9.2	0.00)3	0.0002	0.00012	0.0752	< 0.020	< 0.000050	0.035	0.0000	17	113	< 0.00010	< 0.10	0.00023
EV WLAGC	EV WLAGC WS 2022-06 SA NP	2022-07-08	10.7	< 0.00	010	< 0.00010	0.00078	0.342	< 0.020	< 0.000050	0.036	< 0.00	50	75.5	< 0.00010	0.00018	0.00021
EV WLAGC	EV WLAGC WS 2022-09 SA NP	2022-09-26	7.7	< 0.00	010	< 0.00010	0.00087	0.322	< 0.020	< 0.000050	0.03	< 0.00	50	80.3	< 0.00010	0.00029	< 0.00020
			····	5.00	-	0.00010	0.00001	J.JLL	0.020	. 0.000000	0.00	0.00		55.0	. 0.00010	0.00020	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX B - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolve	ed Metals							
Sample	Sample	Sample Date H	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID ID	(mm/dd/yyyy) mg/L	. mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation		T T		T I			T							T				
EV_CN1	EV_CN1_WS_2022-05-18_NP	2022-05-18 8.5		< 0.000050	0.0153	62.8	< 0.00010	0.00364	1.68	126	< 0.000010	2.18	0.0682	0.000016	< 0.00010	< 0.00030	0.00415	0.0048
EV_CN1 EV_CN1	EV_CN1_WS_2022-06-29_NP EV_CN1_WS_2022-07-14_NP	2022-06-29 11.8 2022-07-14 -	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0168 0.0179	71.6 76.2	< 0.00010 < 0.00010	0.00428 0.00502	1.86 2.08	131 180	< 0.000010 < 0.000010	2.54 2.68	0.07 0.083	0.000016 0.000019	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00449 0.00558	0.0058 0.0068
EV_CN1	EV_CN1_WS_2022-07-14_NP EV_CN1_WS_2022-07-20_NP	2022-07-14 -		< 0.000050	0.0179	93.3	< 0.00010	0.00502	2.06	201	< 0.000010	3.05	0.003	0.000019	< 0.00010	< 0.00030	0.00556	0.0068
EV_CN1	EV CN1 WS 2022-07-20 NP	2022-07-20 13.0	< 0.010	< 0.000050	0.0209	102	< 0.00010	0.00558	2.07	217	< 0.000010	3.5	0.0933	0.00002	< 0.00010	< 0.00030	0.0065	0.0074
EV CN1	EV CN1 WS 2022-09 SA NP	2022-09-27 18.1		< 0.000050	0.0196	97	< 0.00010	0.00564	1.88	237	< 0.000010	2.51	0.107	0.000017	< 0.00010	< 0.00030	0.00659	0.0074
EV CN1	EV CN1 WS 2022-10-20 NP	2022-10-20 14.1	< 0.010	< 0.000050	0.0209	101	< 0.00010	0.00581	2.06	224	< 0.000010	2.99	0.0966	0.000017	< 0.00010	< 0.00030	0.0065	0.0065
EV SEEP 10MILE5	EV SEEP 10MILE5 WS 2022-05-18 NP	2022-05-18 15.2	< 0.010	< 0.000050	0.0179	60	< 0.00010	0.00055	1.54	39.2	< 0.000010	5.95	0.291	< 0.000010	< 0.00010	< 0.00030	0.00192	< 0.0010
EV SEEP 10MILE5	EV SEEP 10MILE5 WS 2022-06-29 NP	2022-06-29 594	< 0.010	< 0.000050	0.0184	63.1	< 0.00010	0.00055	1.45	43.5	< 0.000010	6.32	0.284	< 0.000010	< 0.00010	< 0.00030	0.00176	< 0.0010
EV SEEP 10MILE5	EV SEEP 10MILE5 WS 2022-07-14 NP	2022-07-14 6.9	< 0.010	< 0.000050	0.0191	61	0.00279	0.00071	1.51	47.5	< 0.000010	6.19	0.316	< 0.000010	< 0.00010	< 0.00030	0.00189	< 0.0010
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-07-20_NP	2022-07-20 -	< 0.010	< 0.000050	0.0213	70	< 0.00010	0.00064	1.69	52.3	< 0.000010	6.67	0.342	< 0.000010	< 0.00010	< 0.00030	0.00196	0.0035
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-08-24_NP	2022-08-24 10.2	< 0.010	< 0.000050	0.0186	69.4	< 0.00010	0.00058	1.46	52.8	< 0.000010	6.18	0.311	< 0.000010	< 0.00010	< 0.00030	0.00183	< 0.0010
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-09_SA_NP	2022-09-28 10.9	< 0.010	< 0.000050	0.0173	71.8	0.00038	0.00052	1.55	59.4	< 0.000010	6.51	0.33	< 0.000010	< 0.00010	< 0.00030	0.00196	0.0019
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-05-19_NP	2022-05-19 11.6		< 0.000050	0.0023	20.1	0.778	0.00395	0.864	0.205	< 0.000010	3.24	0.118	0.000011	< 0.00010	< 0.00030	0.000162	0.0076
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-06-29_NP	2022-06-29 12.1		< 0.000050	0.0026	21.8	0.808	0.0042	0.892	0.254	< 0.000010	3.73	0.119	0.000012	< 0.00010	< 0.00030	0.000184	0.0076
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-07-20_NP	2022-07-20 11.5		< 0.000050	0.0028	22.5	0.821	0.00456	0.971	0.218	< 0.000010	3.81	0.134	0.000014	< 0.00010	< 0.00030	0.000194	0.0075
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-08-24_NP	2022-08-24 10.4		< 0.000050	0.0025	19.6	0.685	0.00399	0.885	0.181	< 0.000010	3.59	0.114	0.000014	< 0.00010	< 0.00030	0.000161	0.0056
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-09_SA_NP	2022-09-28 10.3		< 0.000050	0.0023	17.3	0.621	0.00341	0.884	0.202	< 0.000010	3.45	0.101	0.000013	< 0.00010	< 0.00030	0.000116	0.0064
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-10-20_NP	2022-10-20 10.5		< 0.000050	0.0023	15.6	0.544	0.0035	0.807	0.28	< 0.000010	3.21	0.0954	0.000014	< 0.00010	< 0.00030	0.000095	0.0054
EV_SEEP_BREAKERLAKE	EV_SEEP_BREAKERLAKE_WS_2022-06_SA_NF			< 0.000050	0.0026	20	0.789	0.00449	0.958	0.23	< 0.000010	3.6	0.126	0.000014	< 0.00010	< 0.00030	0.000186	0.0071
EV_SEEP_BREAKERLAKE	EV_SEEP_BREAKERLAKE_WS_2022-09_SA_NF			< 0.000050	0.0251	71.3	0.112	0.0092	2.4	33.8	< 0.000010	6.42	0.154	0.000048	< 0.00010	< 0.00030	0.0052	0.0067
EV_SEEP_CFI1 EV_SEEP_CFI1	EV_SEEP_CFI1_WS_2022-06_SA_NP	2022-07-07 9.66 2022-09-26 10.1		< 0.000050	0.0488	61.7 63.2	0.394	0.00085	4.5	0.093 0.084	< 0.000010	5.77	0.449	< 0.000010	< 0.00010	< 0.00030	0.000201	0.0034
EV_SEEP_CFI1	EV_SEEP_CFI1_WS_2022-09_SA_NP EV_SEEP_CFI2_WS_2022-06_SA_NP			< 0.000050 < 0.000050	0.0526 0.0538	91.4	0.29 0.00134	0.00072 0.00064	4.82 4.18	0.084	< 0.000010 < 0.000010	6.02 5.16	0.468 0.514	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00015 0.000356	0.0068 0.0024
EV_SEEP_CFI2	EV SEEP CFI2 WS 2022-06 SA NP EV SEEP CFI2 WS 2022-09 SA NP	2022-07-08 12.5 2022-09-26 11	< 0.010	< 0.000050	0.0538	91.4	0.00134	< 0.00050	4.18	0.369	< 0.000010	5.16	0.514	< 0.000010	< 0.00010	< 0.00030	0.000356	0.0024
EV_SEEP_CFI2 EV SEEP ERICKSON1	EV_SEEP_CFI2_WS_2022-09_SA_NP EV_SEEP_ERICKSON1_WS_2022-06_SA_NP	2022-09-26 11	3.01	< 0.000050	0.052	48.6	0.00015	0.00244	1.17	< 0.050	< 0.000010	2.24	0.465	0.000010	< 0.00010	< 0.00030	0.000264	0.0029
EV SEEP ERICKSON1	EV SEEP ERICKSON1 WS 2022-00 SA NP	2022-07-13 -	2.91	< 0.000050	0.0103	54.3	0.529	0.00244	1.17	< 0.050	< 0.000010	2.24	0.324	0.000013	< 0.00010	< 0.00030	0.000133	0.0010
EV SEEP ERICKSON2	EV SEEP ERICKSON2 WS 2022-09 SA NP	2022-10-03		< 0.000050	0.0075	28.5	0.00093	0.00203	1.96	5.17	< 0.000010	3.4	0.159	0.000013	< 0.00010	< 0.00030	0.00245	0.0022
EV SEEP ERICKSON2	EV SEEP ERICKSON2 WS 2022-09 SA NP	2022-09-28 11.7		< 0.000100	0.0653	333	0.0394	0.0408	6.09	750	< 0.000010	2.91	0.235	0.000052	< 0.00010	< 0.00060	0.0269	0.0721
EV SEEP HOPPER2	EV SEEP HOPPER2 WS 2022-06 SA NP	2022-07-14 11.3		< 0.000100	0.953	459	0.00115	0.037	21.2	638	< 0.000020	50.5	0.657	0.000043	< 0.00020	< 0.00060	0.012	0.0281
EV SEEP HOPPER2	EV SEEP HOPPER2 WS 2022-09 SA NP	2022-09-27 8.65		< 0.000100	0.388	291	0.00063	0.031	18.4	585	< 0.000020	22.2	0.911	0.000047	< 0.00020	< 0.00060	0.0116	0.0328
EV SEEP PLANT1	EV SEEP PLANT1 WS 2022-06 SA NP	2022-07-08 10.1		< 0.000050	0.127	46.1	0.00981	0.00199	3.4	1.94	< 0.000010	69.1	2.15	0.000011	< 0.00010	< 0.00030	0.00085	0.0087
EV_SEEP_PLANT10	EV_SEEP_PLANT10_WS_2022-06_SA_NP	2022-07-08 1	0.082	< 0.000100	0.443	88	0.0687	< 0.00100	3.4	< 0.100	< 0.000020	350	9.01	< 0.000020	< 0.00020	< 0.00060	0.00007	< 0.0020
EV_SEEP_PLANT11	EV_SEEP_PLANT11_WS_2022-06_SA_NP	2022-07-07 11.4	< 0.010	< 0.000050	0.138	47.3	0.00833	0.00081	2.59	1.18	< 0.000010	74.3	2.28	< 0.000010	< 0.00010	< 0.00030	0.000327	< 0.0010
EV_SEEP_PLANT11	EV_SEEP_PLANT11_WS_2022-09_SA_NP	2022-09-26 11.3		< 0.000050	0.168	57.6	0.0541	0.00125	3.02	0.435	< 0.000010	87.8	2.32	< 0.000010	< 0.00010	< 0.00030	0.000131	0.0016
EV_SEEP_PLANT23	EV_SEEP_PLANT23_WS_2022-06_SA_NP	2022-07-07 10.9		< 0.000050	0.0631	93.8	0.00021	0.0024	2.8	20.2	< 0.000010	23.8	1.68	< 0.000010	< 0.00010	< 0.00030	0.00227	0.114
EV_SEEP_PLANT23	EV_SEEP_PLANT23_WS_2022-09_SA_NP	2022-09-26 7.67		< 0.000050	0.071	99.9	< 0.00010	0.00211	2.87	16.9	< 0.000010	25.5	1.92	< 0.000010	< 0.00010	< 0.00030	0.00199	0.0222
EV_SEEP_SOUTHPIT3	EV_SEEP_SOUHTPIT3_WS_2022-06_SA_NP	2022-07-13 -	< 0.010	< 0.000050	0.0018	28.2	< 0.00010	0.00096	0.893	6.1	< 0.000010	0.913	0.0622	0.000011	< 0.00010	< 0.00030	0.000935	0.0013
EV_SEEP_SOUTHPIT3	EV_SEEP_SOUTHPIT3_WS_2022-09_SA_NP	2022-09-30 3.6		< 0.000050	0.0028	44.5	< 0.00010	0.00101	0.675	1.62	< 0.000010	1.26	0.101	0.000016	< 0.00010	< 0.00030	0.000884	< 0.0010
EV_SEEP_SOUTHPIT4	EV_SEEP_SOUTHPIT4_WS_2022-06_SA_NP	2022-07-13 2	0.216	< 0.000050	0.106	37.6	0.0552	< 0.00050	6.17	0.199	< 0.000010	4.62	0.323	< 0.000010	< 0.00010	< 0.00030	0.0004	0.0014
EV_SEEP_SOUTHPIT4	EV SEEP SOUTHPIT4 WS 2022-09 SA NP	2022-09-30 0.9	0.324	< 0.000050	0.116	37.3	0.0537	< 0.00050	7.06	0.458	< 0.000010	5.1	0.348	< 0.000010	< 0.00010	< 0.00030	0.000241	0.0016
EV_SEEP_SOUTHPIT6	EV SEEP SOUTHPITE WS 2022-06 SA NP	2022-07-13 3.4		< 0.000250	0.0284	217	0.0108	< 0.00250	3.51	64.4	< 0.000050	4.05	0.452	< 0.000050	< 0.00050	< 0.00150	0.00581	0.0057
EV_SEEP_SOUTHPIT6	EV_SEEP_SOUTHPIT6_WS_2022-09_SA_NP	2022-10-04 14.9		< 0.000100	0.0293	231	0.00459	0.00202	3.97	93	< 0.000020	4.48	0.51	< 0.000020	< 0.00020	< 0.00060	0.00659	0.008
EV_SEEP_TURCON1 EV SEEP TURCON1	EV SEEP_TURCON1_WS_2022-06_SA_NP EV SEEP_TURCON1_WS_2022-09_SA_NP	2022-07-08 15.9 2022-09-27 19.8		< 0.000050	0.0358 0.0438	48.6 49.8	0.025	< 0.00050	2.28	1.65 7.09	< 0.000010	14.4 15.1	1.17	< 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.000388	0.0024
EV_SEEP_TURCONT EV_SPR1B	EV SPR1B WS 2022-04 QRT NP	2022-09-27 19.8 2022-06-01 14.8		< 0.000050 < 0.000050	0.0438	51.2	0.0461 < 0.00010	< 0.00050 0.00083	2.33	12	< 0.000010 < 0.000010	5.09	1.66 0.447	< 0.000010 < 0.000010	< 0.00010	< 0.00030	0.000164 0.00159	< 0.0010 0.0013
EV_SPR1B	EV SPR1B WS 2022-04 QR1 NP	2022-06-01 14.8	< 0.010	< 0.000050	0.0166	68.7	0.00083	0.00083	2.49	0.667	< 0.000010	8.52	0.535	< 0.000010	< 0.00010	< 0.00030	0.00159	0.0013
EV_SPRIB EV WLAGC	EV WLAGC WS 2022-06 SA NP	2022-09-01 9.2	0.24	< 0.000050	0.0258	35.2	0.00083	0.00107	2.20	0.007	< 0.000010	9.8	0.433	0.00008	< 0.00010	< 0.00030	0.00152	< 0.0013
EV_WLAGC EV WLAGC	EV_WLAGC_WS_2022-00_SA_NP	2022-07-08 10.7		< 0.000050	0.0233	32.3	0.484	0.0013	1.9	< 0.050	< 0.000010	8.26	0.433	0.000116	< 0.00010	< 0.00030	0.00048	< 0.0010
LV_VILAGO		2022-00-20 1.1	0.007	. 0.000000	0.0270	02.0	0.707	3.00107	1.0	- 0.000	- 0.000010	0.20	0.711	0.000110	. 0.00010	- 0.00000	3.000024	10.0010

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX B - TABLE 2: Summary of Analytical Results for Dissolved Metals

Service Serv										Dissolv	red Metals					
Control Cont										Diocoit	T Inotalo					
Control Cont				တ္တ	Ę	>			Ε	_		Ε		重		
Company Comp				nes	ļi ļi		ij	Ę	Ē	ig#	<u> </u>	nie.	i i	Ē	Ħ	per
Company Comp	Commis	Commite	Commis Data	ard	l III	ŧ	- Se	ari	ery	isi	o o	adı	alc	brd.	o p	<u>d</u>
RE WOLF WALL RE	•	·			ma/L	∢ mg/l	Ma/I		ma/l	ma/l	ma/l	ma/L		ma/l		
STOCK 1985	Location		(IIIIII/aa/yyyy)	ilig/L	, and the second	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	
STOCK 1985					ro lite							ron				ron
Company Comp					SA F							G Ac				
## APPERP P APPER N \$222 O N				n/a	0.020-0.10 ^a 0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM
Fig. Agriculture Fig. Agricu		FR ASPSEED1 WS 2022-01-02 NP	2022-01-02	5	< 0.0010	0.00029	0.00017	0.0423	< 0.020	< 0.000050	0.025	0.00023	102	< 0.00010	< 0.10	0.0008
Frace Practical Content Practical Conten									_	-	-		_		-	
PA PROPERTY				_												
HAPPEN PART OF ADVISOR DE CONTROL DE CONTROL C																
PRI APPRETT PRI APPRETT W. (2023-12) Pri 2023-12 5 1 1 1 1 1 1 1 1 1				_												
PR APPERED PR APPERED NO 02001-00 No 0200-00 No 020			_			_			_	+						
PR APPROPRIED PR APPROPRIED NO. 10.00000 10.000000 10.00000 10.00000 10.00000 10.00000 10.00000 10.000000 10.000000 10.000000 10.000000 10.000000 10.0000000 10.000000 10.000000 10.000000 10.000000 10.000000 10.000000 10.000000 10.000000 10.000000 10.000000 10.0000000 10.0000000000																
PR ASPREPRIN NO ADDITION PR ASPREPRIN NO ADDITION NO ADDITION PR ASPREPRIN NO ADDITION NO ADDITI			_													
PR ASPECEPT PR ASPECEPT NO 2020 625 by 20 2020 6 103 0.0001 0.0001 0.0001 0.0000 0.0000 0.0000 0.0000 0.000000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.0000000 0.0000000 0.0000000 0.00000000				_												
PR ABPSEPT PR ABPSEPT NR ABPSEPT NR 2022-2026 NP 2022-2026 N		FR_ASPSEEP1_WS_2022-02-04_NP			0.0013	_			< 0.020	< 0.000050		0.000248		< 0.00010	< 0.00010	0.00078
FR ASPECEPT IR ASPECEPT WE 2022 GOV 74 P 2022 GOV 75 P 00012 0.00024 0.0003 0.0003 194 0.00003 0.00003 195 0.00000 0.00000 0.000000 0.000000				_												
FR ABSEEP FR ABSEEP W. SPAZ-620 N. P. 2022-620 N. P									_	+						
FR_ABSEEPI P RAPSEEPI NS_2022_0-10 NP 2022_0-10 18.1																
RR ABSSEPT	FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-09_NP	2022-02-09			0.00031		0.0704	< 0.020	< 0.000050	0.022				0.00012	
FR_ASPRECEPI FR_ASPRECEPI NR_2022-021-13, PM = 2022-021-13				_												
## ASPSEEPH FR ASPSEEPH WS 2022-02-18 P 2022-02-18 12 0.00018 0.00038 0.00038 0.			_						_	+						
FR. ASPSEEPT FR. ASPSEEPT WS. 2022-02-16 NP 2022-02-16 NP 0.00033 0.00013 0.00013 0.00014 0.00014 0.00014 0.00015 0.000014 0.00014				_												
FR. ASPSEEPI FR. ASPSEEPI WS. 2022-02-18 NP 2022-02-16 19-10 0.0023	FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-14_NP	2022-02-14	7.3		0.00032	0.00019	0.0492			0.031		206			
FR ASPSEEP! FR ASPSEEP! WS 2022-02-17 NP 202				-												
FR. ASPSEEPT FR. ASPSEEPT WS 2002-02-18 NP 2002-02-02 11-2 0.00024 0.00031 0.00014 0.00069 0.0032 0.000058 212 0.000014 0.000076 0.00076 0									_	+						
FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-02-20 P2 202-02-20 10.1 0.0014 0.00031 0.00016 0.0052 c.0.000 0.00031 0.00032 20.000046 225 0.00000 0.00000 0.000075 PR_ASPSEEP1 FR_ASPSEEP1 WS_2022-02-22 P0 2022-02-22 8.6 0.0012 0.00031 0.00019 0.00053 0.00019 0.00050 0.00131 0.000048 229 0.000010 0.00075 PR_ASPSEEP1 FR_ASPSEEP1 WS_2022-02-22 P0 2022-02-22 8.6 0.0016 0.00033 0.00019 0.0058 c.0.00005 0.031 0.000048 229 0.000010 0.00071 0.00051 PR_ASPSEEP1 FR_ASPSEEP1 WS_2022-02-23 P0 2022-02-22 P1 0.0016 0.00033 0.00017 0.0058 c.0.00050 0.031 0.000024 220 6.000010 0.00071 0.00051 PR_ASPSEEP1 WS_2022-02-23 P0 2022-02-22 P1 0.00018 0.00033 c.0.00017 0.00058 c.0.00050 0.0031 0.000024 220 6.000010 0.00071 0.00051 PR_ASPSEEP1 WS_2022-02-23 P0 2022-02-22 P1 0.00018 0.00033 c.0.00034 0.00014 0.00014 0.00014 0.00014 0.00014 220 6.000010 0.00016 0.00015 PR_ASPSEEP1 WS_2022-02-24 P1 0.00018 0.00034 0.00034 0.00014 0.00014 0.00014 0.00014 220 6.000010 0.00016 0.00016 PR_ASPSEEP1 WS_2022-02-24 P1 0.00018 0.00034 0.00034 0.00014																
FR ASPSEEP1				_												
FR ASPSEEP1 FR ASPSEEP1 WS 2022-02-22 NP 2022-02-22 8.2 0.0012 0.00013 0.00019 0.0504 < 0.020 < 0.000050 0.031 0.000248 229 < 0.00010 0.00010 0.00012 PR ASPSEEP1 WS 2022-02-23 NP 2022-02-22 8.2 0.0016 0.00033 0.00017 0.0053 < 0.000050 0.053				_												
FR ASPSEEPH FR ASPSEEPH WS 2022-02-22-30 PP 2022-02-24 P1 0.00016 0.00033			_													
FR ASPSEEP1 FR ASPSEEP1 WS 2022-02-22 NP 2022-02-28 11.2				_												
FR ASPSEEP1 FR ASPSEEP1 WS 2022-02-26 NP 2022-02-27 NP 2022-02-28 NP 202																
FR ASPSEEP1 FR ASPSEEP1 WS 2022-022 NP 2022-022-02 NP 2022-02-02-02-02-02-02-02-02-02-02-02-02				_												
FR ASPSEEP1 FR ASPSEEP1 WS 2022-03-02 NP 2022-03-02 10.6 0.0011 0.00031 0.00015 0.0493 < 0.020 < 0.000050 0.033 0.000231 233 < 0.000010 < 0.000010 0.00007 FR ASPSEEP1 WS 2022-03-02 NP 2022-03-02 10.6 0.0012 0.00032 0.00018 0.0503 < 0.020 < 0.000050 0.032 0.0000249 224 < 0.000010 < 0.00001																
FR ASPSEEP! FR ASPSEEP! WS 2022-03-04 NP 2022-03-04 116 0.0016 0.00034 0.00015 0.0433 <0.00010 0.00024 228 0.00013 <0.00013 <0.00010 0.00078				_	0.0011								233			0.00087
FR ASPSEEP1 FR ASPSEEP1 WS 2022-03-04 NP 2022-03-05 NP 2022-03-05 12 1 0.003 0.0033 0.00037 0.0057 < 0.020 < 0.000050 0.031 0.000262 230 < 0.00010 < 0.010 0.00067																
FR ASPSEEP1 FR ASPSEEP1 WS 2022-03-05 NP 2022-03-06 12 1 0.003 0.0016 0.00031 0.0002																
FR ASPSEEP1 FR ASPSEEP1 WS 2022-03-07 NP 2022-03-07 13.1 0.0018 0.00034 0.00019 0.0567 < 0.020 < 0.000050 0.033 0.000239 230 < 0.00010 < 0.001 0.001			_							+						
FR ASPSEEP1 FR ASPSEEP1 WS 2022-03-08 NP 2022-03-08 12 0.0014 0.00028 0.00017 0.0504 < 0.020 < 0.000050 0.028 0.000219 231 < 0.00010 0.000010 0.00002										+						
FR ASPSEEP1 FR ASPSEEP1 WS 2022-03-10 NP 2022-03-09 14.2 0.0012 0.00032 0.0002 0.055 < 0.020 < 0.000050 0.03 0.000249 229 0.00013 < 0.10 0.00077 FR ASPSEEP1 WS 2022-03-10 NP 2022-03-10 13.4 0.0018 0.00034 0.00017 0.0517 < 0.020 < 0.000050 0.029 0.000253 23 1 < 0.00001 < 0.00010 0.00078 FR ASPSEEP1 WS 2022-03-12 NP 2022-03-12 12.7 0.0016 0.00028 0.00017 0.0491 < 0.020 < 0.000050 0.026 0.000253 23 1 < 0.00014 194 < 0.00010 < 0.00017 0.00078 FR ASPSEEP1 WS 2022-03-13 NP 2022-03-13 13.8 0.0037 0.00032 0.00019 0.0523 < 0.020 < 0.000050 0.029 0.000239 215 < 0.00010 < 0.010 0.00078 FR ASPSEEP1 WS 2022-03-14 NP 2022-03-14 13.1 < 0.0010 0.00031 0.00017 0.0508 < 0.020 < 0.000050 0.029 0.000239 215 < 0.00010 < 0.10 0.00032 FR ASPSEEP1 WS 2022-03-15 NP 2022-03-15 12 0.003 0.00031 0.00017 0.0508 < 0.020 < 0.000050 0.028 0.000245 229 < 0.00010 < 0.10 0.00038 FR ASPSEEP1 WS 2022-03-16 NP 2022-03-16 10.7 0.0008 0.00032 0.00018 0.00017 0.0508 < 0.020 < 0.000050 0.029 0.000238 213 < 0.00010 < 0.00018 FR ASPSEEP1 WS 2022-03-16 NP 2022-03-17 12.8 0.0001 0.00031 0.00017 0.0505 < 0.020 < 0.000050 0.029 0.000235 212 < 0.00010 < 0.10 0.00078 FR ASPSEEP1 WS 2022-03-18 NP 2022-03-18 13.3 0.0013 0.00031 0.00019 0.0511 < 0.00031 0.00019 0.0511 < 0.00031 0.00019 0.0511 < 0.00031 0.00019 0.0511 < 0.00031 0.00033 22 0.00016 0.00033 22 0.00033 22 0.00013 22 0.00033 22 0.000																
FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-03-10 NP 2022-03-10 13.4 0.0018 0.00034 0.00017 0.0517 < 0.020 < 0.000050 0.029 0.000253 231 < 0.00010 < 0.10 0.00076 FR_ASPSEEP1 WS_2022-03-12 NP 2022-03-12 NP 2022-03-13 13.8 0.00017 0.00017 0.00017 0.00017 0.00010 0.0000000000																
FR ASPSEEP1 FR ASPSEEP1 WS 2022-03-13 NP 2022-03-14 NP 2022-03-13 13.8 0.0037 0.00032 0.00019 0.0523 < 0.020 < 0.000050 0.029 0.000239 215 < 0.00010 < 0.10 0.00082 FR ASPSEEP1 WS 2022-03-14 NP 2022-03-14 NP 2022-03-14 NP 2022-03-15 NP 2022-03-15 NP 2022-03-15 NP 2022-03-15 NP 2022-03-15 NP 2022-03-15 NP 2022-03-16 NP 2022-03-17 NP 2022-03-18 NP 2022-03-19 NP 2022-03-20 NP 2022-03-20 NP 2022-03-20 NP 2022-03-21 NP 2022-03-22 NP 2022-03-23 NP 2022-03-23 NP 2022-03-23 NP 2022-03-23 NP 2022-03-23 NP 2022-03-23 NP 2022-03-26 NP 2022-									_	+						
FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-03-14_NP 2022-03-15 NP 2022-03-15 12 0.003 0.00031 0.00017 0.0508 < 0.020 < 0.000050 0.032 0.000245 229 < 0.00010 < 0.10 0.00078 FR_ASPSEEP1 WS_2022-03-15 NP 2022-03-15 NP 2022-03-15 12 0.003 0.00031 0.00017 0.0514 < 0.020 < 0.000050 0.026 0.000238 213 < 0.00010 < 0.00010 0.00078 FR_ASPSEEP1 WS_2022-03-16 NP 2022-03-16 NP 2022-03-16 NP 2022-03-17 NP 2022-03-18 NP 2022-03-19 NP 2022-03-20 NP 2022-03-20 NP 2022-03-20 NP 2022-03-20 NP 2022-03-20 NP 2022-03-21 NP 2022-03-22 NP 2022-03-23			_						_	+			_			
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FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-03-16 NP 2022-03-16 10.7 0.008 0.00032 0.0016 0.0505 < 0.020 < 0.000050 0.029 0.00035 212 < 0.00010 < 0.10 0.00078 FR_ASPSEEP1 WS_2022-03-17 NP 2022-03-17 12.8 0.0021 0.00031 0.00019 0.0518 < 0.020 < 0.000050 0.03 0.000238 228 < 0.00010 < 0.10 0.00081 FR_ASPSEEP1 WS_2022-03-18 NP 2022-03-18 13.3 0.0013 0.00032 0.0018 0.0511 < 0.020 < 0.000050 0.029 0.00033 215 < 0.00010 < 0.00010 0.00078 FR_ASPSEEP1 WS_2022-03-19 NP 2022-03-19 13.8 0.001 0.00032 0.0016 0.0482 < 0.020 < 0.000050 0.029 0.00011 214 < 0.00010 < 0.00010 0.00073 FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-03-20 NP 2022-03-20 7.7 0.0019 0.00033 0.00017 0.051 < 0.020 < 0.000050 0.03 0.00010 0.00033 20.00018 FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-03-21 NP 2022-03-21 11.2 0.0017 0.00033 0.00018 0.0563 < 0.020 < 0.000050 0.03 0.00050 0.03 0.00023 20.00010 0.00073 FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-03-21 NP 2022-03-21 11.2 0.0017 0.00033 0.00018 0.0563 < 0.020 < 0.000050 0.03 0.00050 0.03 0.00023 20.00010 0.00079 FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-03-22 NP 2022-03-22 8.13 0.0032 0.00016 0.0563 < 0.020 < 0.000050 0.035 0.00050 0.035 0.000263 221 < 0.00010 < 0.00010 0.00099 FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-03-23 NP 2022-03-23 11 0.0011 < 0.00011 < 0.00050 < 0.00050 0.0588 < 0.100 < 0.00050 0.0568 < 0.00050 0.00074 212 < 0.00050 < 0.00050 0.00113 FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-03-26 NP 2022-03-26 13.7 0.0018 0.00011 0.00021 0.0566 < 0.000 < 0.00050 0.0074 0.00050 0.0010 0.00010 0.00019																
FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-03-18 NP 2022-03-19 13.8 0.0013 0.00032 0.00018 0.0511 < 0.020 < 0.000050 0.029 0.000233 215 < 0.00010 < 0.00010 0.00078 FR_ASPSEEP1 WS_2022-03-19 NP 2022-03-19 13.8 0.001 0.00032 0.0016 0.0482 < 0.020 < 0.000050 0.029 0.00011 214 < 0.00010 < 0.00010 0.00073 FR_ASPSEEP1 WS_2022-03-20 NP 2022-03-20 7,7 0.0019 0.00033 0.0017 0.051 < 0.020 < 0.000050 0.03 0.0017 0.051 FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-03-21 NP 2022-03-21 11.2 0.0017 0.00033 0.0018 0.0563 < 0.020 < 0.000050 0.03 0.00050 0.03 0.00023 20 0.00010 < 0.00010 0.00079 FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-03-22 NP 2022-03-22 8.13 0.0032 0.00016 0.0539 < 0.020 < 0.000050 0.035 0.00050 0.035 0.000263 220 < 0.00010 < 0.00010 0.00099 FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-03-23 NP 2022-03-23 11 0.0011 < 0.00011 < 0.00011 < 0.00011 < 0.00011 < 0.00011 < 0.00011 < 0.00011 FR_ASPSEEP1 WS_2022-03-26 NP 2022-03-26 13.7 0.0018 0.00011 0.00021 0.0566 < 0.020 < 0.00050 0.047 0.00050 0.047 0.00063 198 < 0.00010 < 0.00010 0.0010 0.00109 FR_ASPSEEP1 WS_2022-03-26 NP 2022-03-26 13.7 0.0018 0.00011 0.00021 0.0566 < 0.020 < 0.00050 0.0050 0.047 0.00063 198 < 0.00010 < 0.00010 0.0010 0.00109 FR_ASPSEEP1 WS_2022-03-26 NP 2022-03-26 13.7 0.0018 0.00011 0.00021 0.0566 < 0.020 < 0.00050 0.0050 0.047 0.00063 198 < 0.00010 < 0.00010 0.00109 0.00109 FR_ASPSEEP1 WS_2022-03-26 NP 2022-03-26 13.7 0.0018 0.00011 0.00021 0.0566 < 0.020 < 0.00050 0.0050 0.047 0.00063 198 < 0.00010 < 0.00010 0.00109 0.00	FR_ASPSEEP1								_			0.000235				
FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-03-19_NP 2022-03-20 7.7 0.0019 0.00032 0.0016 0.0482 < 0.020 < 0.000050 0.029 0.00011 214 < 0.00010 < 0.00010 0.00073									_	+						
FR_ASPSEEP1 WS_2022-03-20_NP 2022-03-20_NP 2022-03-20_NP 2022-03-20_NP 2022-03-20_NP 2022-03-20_NP 2022-03-20_NP 2022-03-21_NP 2022-03-21_NP 2022-03-21_NP 2022-03-21_NP 2022-03-21_NP 2022-03-21_NP 2022-03-21_NP 2022-03-20_NP 2																
FR_ASPSEEP1 WS_2022-03-21_NP 2022-03-21 11.2 0.0017 0.00033 0.0018 0.0563 < 0.020 < 0.00050 0.035 0.00053 220 < 0.00010 < 0.00010 0.00088 FR_ASPSEEP1 WS_2022-03-22_NP 2022-03-22_NP 2022-03-22_NP 2022-03-22_NP 2022-03-22_NP 2022-03-23_NP 2022-03-26_NP 2				_												
FR_ASPSEEP1 FR_ASPSEEP1 WS_2022-03-23 NP 2022-03-23 11 0.0011 <0.00050 <0.00050 0.0588 <0.100 <0.000250 <0.050 0.00074 212 <0.00050 <0.00050 0.00113 FR_ASPSEEP1 WS_2022-03-26 NP 2022-03-26 13.7 0.0018 0.00041 0.00021 0.0566 <0.020 <0.00050 0.047 0.000263 198 <0.00010 <0.00010 0.00109	FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-21_NP	2022-03-21	11.2	0.0017	0.00033	0.00018	0.0563	< 0.020	< 0.000050	0.035	0.000253	220	< 0.00010	< 0.00010	0.00088
FR_ASPSEEP1 FR_ASPSEEP1_WS_2022-03-26_NP 2022-03-26 13.7 0.0018 0.00041 0.00021 0.0566 < 0.020 < 0.000050 0.047 0.000263 198 < 0.00010 < 0.00010 0.00109			_							+			_			
				_					_	+						
	FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-27_NP				0.00039	0.00021	0.0488	< 0.020	< 0.000050	0.047	0.000248	178	< 0.00010	< 0.10	0.00103

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX B - TABLE 2: Summary of Analytical Results for Dissolved Metals

											Dissolve	ed Metals							
Sample	Sample	Sample Date	Hardness	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Acute															
BC WQG FWAL			n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Fording River Operation	ED 4000EED4 WO 0000 04 00 ND	0000 04 00	_	. 0.040	. 0 000050	0.0504	450	. 0 00040	0.00000	0.00	405	. 0 000040	4.4	0.400	. 0 000010	. 0 00040	- 0 00000	0.0000	0.0000
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-02_NP FR_ASPSEEP1_WS_2022-01-05_NP	2022-01-02 2022-01-05	5 14.2	< 0.010 < 0.010	< 0.000050	0.0501 0.0851	150 67.6	< 0.00010 0.00243	0.00083 0.00774	3.82 2.13	135 92.9	< 0.000010 < 0.000010	4.4 3.22	0.193 0.217	< 0.000010 < 0.000010	< 0.00010	< 0.00030 < 0.00030	0.0039 0.00414	0.0082 0.005
FR ASPSEEP1	FR ASPSEEP1 WS 2022-01-05 NP	2022-01-05	13.6	< 0.010	< 0.000050	0.0503	152	0.00243	0.00774	3.95	154	< 0.000010	4.36	0.217	< 0.000010	< 0.00010	< 0.00030	0.00414	0.005
FR ASPSEEP1	FR ASPSEEP1 WS 2022-01-12 NP	2022-01-12	21	< 0.010	< 0.000050	0.0527	150	0.00017	0.00108	3.75	134	< 0.000010	4.6	0.195	< 0.000010	< 0.00010	< 0.00030	0.00392	0.0082
FR ASPSEEP1	FR ASPSEEP1 WS 2022-01-14 NP	2022-01-14	17.9	< 0.010	< 0.000050	0.048	152	0.00019	0.00105	3.85	137	< 0.000010	4.57	0.195	0.00001	< 0.00010	< 0.00030	0.00425	0.0079
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-19_NP	2022-01-19	14.1	< 0.010	< 0.000050	0.0596	164	0.00038	0.00113	4.15	134	< 0.000010	4.89	0.204	0.000012	< 0.00010	< 0.00030	0.00424	0.009
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-22_NP	2022-01-22	9.3	< 0.010	< 0.000050	0.054	159	0.00045	0.00111	3.95	139	< 0.000010	4.89	0.207	< 0.000010	< 0.00010	< 0.00030	0.00431	0.0131
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-26_NP	2022-01-26	6	< 0.010	< 0.000050	0.054	167	0.00068	0.00119	3.86	124	< 0.000010	4.82	0.202	0.000012	< 0.00010	< 0.00030	0.004	0.0094
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-29_NP	2022-01-29	6.7	< 0.010	< 0.000050	0.0571	160	0.00074	0.00114	3.96	136	< 0.000010	4.92	0.204	0.000011	< 0.00010	< 0.00030	0.00399	0.0074
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-02_NP FR_ASPSEEP1_WS_2022-02-03_NP	2022-02-02 2022-02-03	13.2 9.4	< 0.010 0.04	< 0.000050 < 0.000050	0.0559 0.0582	169 163	0.00063 0.0012	0.00115 0.00107	4.08 4.02	161 135	< 0.000010 < 0.000010	5.06 4.74	0.209 0.203	0.000011 < 0.000010	< 0.00010 0.00011	< 0.00030 < 0.00090	0.00423 0.00375	0.008 0.0122
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-04 NP	2022-02-03	12.4	< 0.04	< 0.000050	0.0362	167	0.0012	0.00107	4.02	132	< 0.000010	4.74	0.203	< 0.000010	< 0.00011	< 0.00030	0.00375	0.0122
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-05 NP	2022-02-05	15.3	< 0.010	< 0.000050	0.056	163	0.00041	0.00108	3.77	126	< 0.000010	4.7	0.198	< 0.000010	< 0.00010	< 0.00030	0.00402	0.0083
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-06 NP	2022-02-06	12.2	< 0.010	< 0.000050	0.0562	165	0.00068	0.00113	3.95	128	< 0.000010	4.88	0.208	< 0.000010	< 0.00010	< 0.00030	0.00414	0.0075
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-07_NP	2022-02-07	3.1	< 0.010	< 0.000050	0.0544	149	0.0122	0.00422	4.25	118	< 0.000010	4.6	0.216	0.000014	< 0.00010	< 0.00030	0.00401	0.0112
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-08_NP	2022-02-08	7.6	< 0.010	< 0.000050	0.0636	174	0.00742	0.00242	4.5	143	< 0.000010	5.2	0.225	0.000014	< 0.00010	< 0.00030	0.00439	0.0118
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-09_NP	2022-02-09	6.8	0.011	< 0.000050	0.0439	134	0.00302	0.00102	3.32	109	< 0.000010	4.01	0.166	< 0.000010	< 0.00010	< 0.00030	0.00343	0.0058
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-10_NP FR_ASPSEEP1_WS_2022-02-11_NP	2022-02-10 2022-02-11	18.1 8.6	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0592 0.0527	169 149	0.00114 0.00116	0.00111 0.00105	3.98 3.75	143 123	< 0.000010 < 0.000010	4.79 4.6	0.212 0.202	0.000011 0.000011	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00437 0.00386	0.0073 0.0073
FR ASPSEEP1	FR_ASPSEEPI_WS_2022-02-11_NP FR_ASPSEEP1_WS_2022-02-12_NP	2022-02-11	10.6	< 0.010	< 0.000050	0.0528	151	0.00118	0.00105	3.78	130	< 0.000010	4.6	0.202	0.000011	< 0.00010	< 0.00030	0.00366	0.0073
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-12 NP	2022-02-12	12.8	< 0.010	< 0.000050	0.0594	163	0.00153	0.0011	4.1	144	< 0.000010	4.67	0.134	0.000011	0.00094	< 0.00030	0.00404	0.0091
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-14 NP	2022-02-14	7.3	< 0.010	< 0.000050	0.059	166	0.0015	0.00113	4.16	148	< 0.000010	4.84	0.198	0.000011	< 0.00010	< 0.00030	0.00404	0.0072
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-15_NP	2022-02-15	-	< 0.010	< 0.000050	0.0571	159	0.00109	0.00112	3.88	144	< 0.000010	4.95	0.211	0.000012	< 0.00010	< 0.00030	0.00414	0.0078
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-16_NP	2022-02-16	19.1	< 0.010	0.000082	0.0592	164	0.00152	0.00118	4.03	150	< 0.000010	5.09	0.213	0.000012	< 0.00010	< 0.00030	0.00431	0.0105
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-17_NP	2022-02-17	13.2	0.012	< 0.000050	0.0594	166	0.00144	0.00122	4.06	152	< 0.000010	5.07	0.222	0.000012	< 0.00010	< 0.00030	0.00442	0.0102
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-18_NP	2022-02-18 2022-02-19	14.4	< 0.010	< 0.000050 < 0.000050	0.056	162 167	0.00118	0.00115	3.95 4.08	151 154	< 0.000010	5.1 5.23	0.213 0.215	0.000012	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00419	0.0074
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-19_NP FR_ASPSEEP1_WS_2022-02-20_NP	2022-02-19	9.2	< 0.010 < 0.020	< 0.000100	0.056 0.0636	180	0.00083	0.00115 < 0.00100	3.98	129	< 0.000010 < 0.000020	5.23	0.215	0.000012 < 0.000020	< 0.00010	< 0.00030	0.00426 0.00413	0.009 0.0083
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-21 NP	2022-02-20	10.1	< 0.020	< 0.000100	0.0646	171	0.00061	0.0010	4.18	155	< 0.000010	5.1	0.219	0.000011	< 0.00010	< 0.00030	0.00357	0.0073
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-22 NP	2022-02-22	9.6	< 0.010	< 0.000050	0.0632	185	0.00067	0.00113	4.33	160	< 0.000010	5.18	0.223	0.00001	< 0.00010	< 0.00030	0.00416	0.0084
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-23_NP	2022-02-23	6.2	< 0.010	< 0.000050	0.0644	170	0.00068	0.00109	4.03	143	< 0.000010	4.94	0.214	0.000012	< 0.00010	< 0.00030	0.00432	0.0082
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-24_NP	2022-02-24	7.1	< 0.020	< 0.000100	0.0641	183	0.00089	0.0013	4.24	127	< 0.000020	5.2	0.226	< 0.000020	< 0.00020	< 0.00060	0.00452	0.0083
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-25_NP	2022-02-25	11.2	< 0.010	< 0.000050	0.0679	169	0.00065	0.00113	4.23	134	< 0.000010	5.09	0.211	0.000012	< 0.00010	< 0.00030	0.00458	0.0074
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-26_NP FR_ASPSEEP1_WS_2022-02-27_NP	2022-02-26 2022-02-27	13.5 10.2	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0632 0.0647	170 171	0.00137 0.00072	0.00123 0.00121	4.26 4.36	134 136	< 0.000010 < 0.000010	5.3 5.35	0.217 0.224	0.000012 0.000013	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.0046 0.0046	0.0086 0.0105
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-28 NP	_	7.88	< 0.010	< 0.000050	0.0666	180	0.00072	0.00121	4.17	138	< 0.000010	5.13	0.224	0.000013	< 0.00010	< 0.00030	0.0040	0.0103
FR ASPSEEP1	FR ASPSEEP1 WS 2022-03-02 NP	2022-03-02	10.6	< 0.010	< 0.000050	0.0634	174	0.00063	0.00117	4.47	161	< 0.000010	5.24	0.22	0.000011	< 0.00010	< 0.00030	0.0041	0.0071
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-03_NP		11.9	< 0.010	< 0.000050	0.0648	168	0.00067	0.00108	3.95	137	< 0.000010	4.73	0.22	< 0.000010	< 0.00010	< 0.00030	0.00408	0.0084
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-04_NP	2022-03-04	11.6	< 0.010	< 0.000050	0.0655	180	0.00069	0.00104	4.03	141	< 0.000010	5.16	0.213	0.000011	< 0.00010	< 0.00030	0.00383	0.0079
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-05_NP	2022-03-05	12.1	< 0.010	< 0.000050	0.0646	187	0.00074	0.00107	4.22	145	< 0.000010	5.35	0.216	0.000011	< 0.00010	< 0.00030	0.00394	0.0085
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-06_NP FR_ASPSEEP1_WS_2022-03-07_NP	2022-03-06	10.3	< 0.010	< 0.000050 < 0.000050	0.0674 0.0672	178	0.00073	0.00107	4.81 4.62	147 163	< 0.000010 < 0.000010	5.16 5.31	0.216 0.222	< 0.000010 0.000014	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00424 0.0042	0.0077 0.0071
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-07_NP FR_ASPSEEP1_WS_2022-03-08_NP	2022-03-07	13.1 12	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0672	179 179	0.00124	0.00119 0.00104	4.62 4.17	163 146	< 0.000010 < 0.000010	5.31 4.87	0.222	< 0.000014	< 0.00010 < 0.00010	< 0.00030	0.0042	0.0071
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-06_NP FR_ASPSEEP1_WS_2022-03-09_NP		14.2	< 0.010	< 0.000050	0.0602	181	0.00143	0.00104	4.17	150	< 0.000010	5.35	0.22	0.000010	< 0.00010	< 0.00030	0.00374	0.0066
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-10_NP	2022-03-10		< 0.010	< 0.000050	0.064	174	0.0016	0.00111	4.28	144	< 0.000010	5.11	0.215	0.000011	< 0.00010	< 0.00030	0.0043	0.0069
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-12_NP	2022-03-12	12.7	< 0.010	< 0.000050	0.0569	162	0.00116	0.00106	4.06	120	< 0.000010	4.91	0.185	0.00001	< 0.00010	< 0.00030	0.00362	0.0067
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-13_NP		13.8	< 0.010	< 0.000050	0.0613	179	0.00119	0.0011	4.35	133	< 0.000010	4.9	0.212	0.000011	< 0.00010	< 0.00030	0.00402	0.0071
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-14_NP	2022-03-14		< 0.010	< 0.000050	0.0688	192	0.00132	0.00114	4.54	144	< 0.000010	5.43	0.222	0.000012	< 0.00010	< 0.00030	0.00424	0.007
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-15_NP FR_ASPSEEP1_WS_2022-03-16_NP	2022-03-15 2022-03-16		< 0.010 < 0.010	< 0.000050 < 0.000050	0.0574	162 170	0.0013	0.00109	4.21 4.22	144 147	< 0.000010 < 0.000010	4.75 5.03	0.197	0.00001	< 0.00010	< 0.00030	0.00409	0.0081
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-16_NP FR_ASPSEEP1_WS_2022-03-17_NP	2022-03-16		< 0.010	< 0.000050	0.0617 0.0639	194	0.00177 0.00134	0.00127 0.00108	4.22	133	< 0.000010	5.03	0.216 0.218	0.00001 0.00001	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00396 0.00393	0.0076 0.0078
FR ASPSEEP1	FR ASPSEEP1 WS 2022-03-17 NP	2022-03-17		< 0.010	< 0.000050	0.0599	157	0.00134	0.00108	4.01	129	< 0.000010	4.64	0.210	< 0.00001	< 0.00010	< 0.00030	0.00393	0.0078
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-19_NP	2022-03-19		< 0.010	< 0.000050	0.0601	152	0.00092	0.00086	3.92	129	< 0.000010	4.6	0.2	< 0.000010	< 0.00010	< 0.00030	0.00374	0.0065
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-20_NP	2022-03-20	7.7	< 0.010	< 0.000050	0.059	165	0.00085	0.00106	4.24	137	< 0.000010	4.95	0.195	< 0.000010	< 0.00010	< 0.00030	0.00387	0.0065
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-21_NP	2022-03-21		< 0.010	< 0.000050	0.0701	175	0.00083	0.00113	4.38	148	< 0.000010	5.22	0.216	0.000011	< 0.00010	< 0.00030	0.00416	0.0073
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-22_NP	2022-03-22		< 0.010	< 0.000050	0.0755	178	0.00073	0.00114	4.22	131	< 0.000010	4.98	0.213	0.000011	< 0.00010	< 0.00030	0.0039	0.0075
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-23_NP FR_ASPSEEP1_WS_2022-03-26_NP	2022-03-23	11	< 0.050 < 0.010	< 0.000250 < 0.000050	0.0786 0.0784	187	0.00081	< 0.00250	4.5	126 124	< 0.000050	5.56	0.22 0.19	< 0.000050 0.000015	< 0.00050 < 0.00010	< 0.00150 < 0.00030	0.00394 0.00464	0.0162 0.0092
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-26_NP FR_ASPSEEP1_WS_2022-03-27_NP		13.7 11.2	< 0.010	< 0.000050	0.0784	165 157	0.00031 0.00034	0.00129 0.00131	4.5 4.3	112	< 0.000010 < 0.000010	5.31 4.97	0.19	0.000015	< 0.00010	< 0.00030	0.00464	0.0092
I IN_AGEGEEFT	1 N_AOI OLLI 1_VVO_2022-00-21_NP	2022-03-21	11.2	~ U.U IU	~ 0.000000	0.0080	131	0.00034	0.00131	٠.٠	114	~ U.UUUU IU	7.51	0.171	0.000012	\ 0.00010	· 0.00030	0.00420	0.0070

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX B - TABLE 2: Summary of Analytical Results for Dissolved Metals

Sempto S										Dissolv	ed Metals					
The Company	Sample	Sample	Sample Date	lardness	Aluminum	Antimony	Arsenic	Sarium	3eryllium	Sismuth	Boron	Sadmium	Salcium	Shromium	Sobalt	Sopper
No. Control		·			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	<u> </u>	_		mg/L	
Fig.					Chr.							Chr				
Proceedings				n/a	0.020-0.10" 0.005-0.05"	n/a	na	na	na	n/a	n/a	0.00004-0.0028" 0.00002-0.00173"	n/a	n/a	n/a	BLM°
PR APPERPEN PR APPERPEN NO 2020-00-10 PR APPERPEN NO		ED ASDSEED1 WS 2022 02 28 ND	2022 02 20	10.6	0.0017	0.00030	0.00019	0.0464	< 0.020	< 0.000050	0.044	0.000242	17/	< 0.00010	< 0.10	0.00100
11. ASPERATE 11. ASPERATE 10. GEOGRA 10. CO. CO. CO. CO. CO. CO. CO. CO. CO. CO													_			
Fig. Application Fig.	FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-30_NP														
P. APPELLEY T. APPELLY T. APPELLEY T																
PR APPROXECT PR APPROXECT W/S 2002-04-00 PR 2002-04-00 PR APPROXECT PR				_								1 1 1				
## APPROPRIA R. ASPERPY IV. 2023-14 PM 2023-1																
Fig.				_												
PH APPRENT PH APPRENT WS 2020-0-10 PH APPRENT WS 2020-0-20 PH				_									_			
FR ASPECT! IF PASSEC! W3 2026-60 NP 2026-65 S	FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-21_NP	2022-04-21	_	0.001	0.00047	0.00016	0.0376	< 0.020	< 0.000050	0.031	0.000213	157	< 0.00010	0.00011	0.00092
FR ASPECEP FR ASPECEP W 2022-66 NP 2022-66 NF 2000			_	10.2		_							_			
FR ASPECEP! FR ASPECEP! WS 2022-569 MP 202				-												
FR ASPSEEPT FR ASPSEEPT WE 2022-6507 MP 2022-6507 MP 7 4-00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000				_												
FR ABSECPT PR ASSECPT WS 2022-569 NP 2022-			_													
FR ASPECEP I FR ASPECEP WS 2002-05-00 8 8 00011 0.00042 0.00015 0.0004 0.00005 0.0008 0.000277 444 0.000006 0.000 0.0001 0.00001 0.0000 0.0001 0.00001 0.0000 0.0001 0.00001 0																
FR ASPSEEPT PF ASPSEEPT WS 2022-69-11 N7 2022-69-11 0.7 0.0016 0.0004 0.00012 0.0008 0.00009 0.0006 0.00009 0.00001 0.00010 0.00007 1.0 0.00007 1.0 0.00009 0.00001 0.00009 0.00009 0.00001 0.00009 0.00009 0.00009 0.00009 0.000009 0.000009 0.00009 0.00009 0.00009 0.00009 0.00009 0.00009 0.00009 0.00009 0.00009 0.00009 0.000009				9.8	0.0011	_						0.000204	_		< 0.10	0.00079
FR ASPSEEP1 FR ASPSEEP1 WS 2022-05-13 NP 2022-05-13 0 0.0016 0.00014 0.00012 0.0003 0.00005 0.0006 0.00005 0.00005 0.00005 150 0.000000 1 150 0.000072 150 0.000000 0.000000				_												
FR ASPSEEPT FR ASPSEEPT WS 2022-06-13 NP 2022-06-14 (a) 0.00016 0.000034 0.00013 0.00034 0.00005 0.0005 0.0005 0.0005 0.000077 144 0.00010 0.0005 0.0				_												
FR_ASPSEEPH FR_ASPSEEPH WS_2022-05-14, NP 2022-05-16 Q4 0.00012 0.00004 < 0.00010 0.0005 0.00005 0.0024 0.000011 156 < 0.000010 0.10 0.000071 FR_ASPSEEPH FR_ASPSEEPH WS_2022-05-16 Q4 0.00012 0.00004 < 0.00010 0.00014 < 0.00010 0.000071 FR_ASPSEEPH WS_2022-05-16 Q4 0.00012 0.00004 0.00011 0.00014 0.00012 0.000071 FR_ASPSEEPH FR_ASPSEEPH WS_2022-05-16 Q4 0.00012 0.00004 0.00011 0.00017 0.00017 FR_ASPSEEPH FR_ASPSEEPH WS_2022-05-16 0.00014 0.00016 0.00016 0.00016 0.00017 0.00017 0.00017 FR_ASPSEEPH FR_ASPSEEPH WS_2022-05-10 0.00014 0.00016 0.000				_												
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FR. ASPSEEPI FR. ASPSEEPI WS. 2022-05-19 NP	_			_	0.0027							0.000193				
FR ASPSEEP FR ASPSEEP WS 2022-05-20 NP	FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-17_NP	2022-05-17	9.3	0.001	0.00038	0.00015	0.0342	< 0.020	< 0.000050	0.026	0.000234	147	< 0.00030	< 0.10	0.00089
FR ASPSEEP1 FR ASPSEEP1 WE 2022-05-21 NP 2022-05-23 11.7 < 0.0010													_			
FR ASPSEEP1 FR ASPSEEP1 W 2022-05-23 NP 2022-05-23 11.7 < 0.0010 0.00039 0.00014 0.0338 < 0.020 < 0.000050 0.025 0.000231 158 < 0.00010 < 0.010 0.00037 FR ASPSEEP1 W 2022-05-25 NP 2022-05-25 9.3 < 0.00010 0.00037 0.00014 0.0333 < 0.020 < 0.000050 0.024 0.000224 14.8 < 0.00010 < 0.010 0.00077 FR ASPSEEP1 FR ASPSEEP1 WS 2022-05-26 NP 2022-05-26 9.1 < 0.0011 0.00037 0.00014 0.0333 < 0.020 < 0.000050 0.024 0.000224 14.8 < 0.00010 < 0.10 0.00077 FR ASPSEEP1 WS 2022-05-26 NP 2022-05-26 9.1 < 0.0011 0.00038 0.00014 0.0332 < 0.020 < 0.000050 0.024 0.000224 14.8 < 0.00010 < 0.10 0.00077 FR ASPSEEP1 WS 2022-05-27 NP 2022-05-27 10.8 0.0017 0.00034 0.00013 0.00014 0.00032 < 0.000050 0.024 0.000224 15.2 < 0.00010 < 0.10 0.00078 FR ASPSEEP1 WS 2022-05-27 NP 2022-05-27 10.8 0.0017 0.00034 0.00013 0.00034 0.00013 0.00038 0.00014 0.000038 0.00014 0.00038 0.00014 0.00038 0.00014 0.00038 0.00014 0.00038 0.00014 0.00			_													
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FR ASPSEEPH FR ASPSEEPH WS 2022-05-26 NP 2022-05-29 9.3				_												
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FR ASPSEEPI FR ASPSEEPI WS 2022-0528 NP 2022-0528 10.4				_												
FR ASPSEEPT FR ASPSEEPT WS 2022-05-29 NP 2022-05-30 15 < 0.0010	_			_												
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			_										_			
			_		0.002	0.00034		0.0468	< 0.020			0.000278	_	0.00013	< 0.10	0.00088

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX B - TABLE 2: Summary of Analytical Results for Dissolved Metals

											Dissolve	ed Metals							
Sample	Sample	Sample Date	Hardness	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Ē	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
DO WOO FINA				Acute	,	,		,	,										
BC WQG FWAL			n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Fording River Operation		1 1																	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-28_NP		10.6	< 0.010	< 0.000050	0.0693	151	0.00031	0.00126	4.11	110	< 0.000010	4.66	0.165	0.000012	< 0.00010	< 0.00030	0.00403	0.0072
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-29_NP	2022-03-29	10.6	< 0.010	< 0.000050	0.0643	148	0.00023	0.00115	4.11	112	< 0.000010	4.56	0.153	0.000011	< 0.00010	< 0.00030	0.00383	0.0079
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-30_NP	2022-03-30	10.2	< 0.010	< 0.000050	0.0729	146	0.00038	0.00126	4	95.6	< 0.000010	4.36	0.154	0.000017	< 0.00010	< 0.00030	0.00362	0.0081
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-31_NP	2022-03-31	9.9	< 0.010 0.011	< 0.000050	0.0646	151	0.00025 0.00055	0.00121	4.21 3.97	137	< 0.000010	4.73 4.48	0.16 0.153	0.000012 0.000012	< 0.00010 0.00011	< 0.00030 < 0.00030	0.00357 0.0038	0.0078
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-01_NP FR_ASPSEEP1_WS_2022-04-02_NP	2022-04-01 2022-04-02	10.7 9.7	< 0.050	< 0.000050 < 0.000250	0.0617 0.0588	148 158		0.00125 < 0.00250	3.85	105 111	< 0.000010	4.46	0.153	< 0.000050	< 0.00011	< 0.00030	0.00365	0.0136
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-02_NP FR_ASPSEEP1_WS_2022-04-08_NP	2022-04-02	10.4	< 0.050	< 0.000250	0.058	132	< 0.00050 < 0.00050	< 0.00250	3.85	114	< 0.000050 < 0.000050	3.81	0.161	< 0.000050	< 0.00050	< 0.00150	0.00365	0.0084 0.0098
FR_ASPSEEP1	FR ASPSEEP1 WS 2022-04-06 NP	2022-04-08	9.32	< 0.030	< 0.000250	0.0582	135	0.00030	0.00250	3.62	135	< 0.000030	3.79	0.177	< 0.000030	< 0.00030	< 0.00130	0.00374	0.0098
FR ASPSEEP1	FR ASPSEEP1 WS 2022-04-14 NP	2022-04-13	9.1	< 0.010	< 0.000050	0.0549	135	0.00029	0.00119	3.65	136	< 0.000010	3.94	0.175	< 0.000010	< 0.00010	< 0.00030	0.00357	0.0088
FR ASPSEEP1	FR ASPSEEP1 WS 2022-04-14 NP	2022-04-14	9.4	< 0.010	< 0.000050	0.059	127	0.00029	0.00123	3.87	114	< 0.000010	4.1	0.165	0.000011	< 0.00010	< 0.00030	0.00361	0.0083
FR ASPSEEP1	FR ASPSEEP1 WS 2022-05-02 NP	2022-05-02	10.2	< 0.010	< 0.000050	0.0509	127	0.00052	0.00131	4.22	128	< 0.000010	3.89	0.179	0.000011	< 0.00010	< 0.00030	0.00372	0.0096
FR ASPSEEP1	FR ASPSEEP1 WS 2022-05-03 NP	2022-05-03	-	< 0.010	< 0.000050	0.0508	120	0.00032	0.00117	3.82	134	< 0.000010	3.42	0.19	0.000011	< 0.00010	< 0.00030	0.0035	0.0096
FR ASPSEEP1	FR ASPSEEP1 WS 2022-05-05 NP	2022-05-05	9.5	0.017	< 0.000050	0.0599	156	0.00108	0.00152	4.7	182	< 0.000010	4.42	0.229	0.000014	< 0.00010	< 0.00030	0.00421	0.0124
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-06_NP	2022-05-06	9.5	< 0.010	< 0.000050	0.0469	116	0.00025	0.00116	3.57	146	< 0.000010	3.36	0.174	< 0.000010	< 0.00010	< 0.00030	0.00327	0.0091
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-07_NP	2022-05-07	11.1	< 0.010	< 0.000050	0.0473	118	0.00014	0.00097	3.52	150	< 0.000010	3.4	0.171	< 0.000010	< 0.00010	< 0.00030	0.00323	0.0081
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-08_NP	2022-05-08	9.7	< 0.010	< 0.000050	0.0449	116	0.0002	0.0011	3.53	147	< 0.000010	3.31	0.163	< 0.000010	< 0.00010	< 0.00030	0.00312	0.0083
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-09_NP	2022-05-09	9.8	< 0.010	< 0.000050	0.0425	112	0.0003	0.00113	3.59	123	< 0.000010	3.19	0.161	0.000011	< 0.00010	< 0.00030	0.00324	0.0106
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-10_NP	2022-05-10	9.6	< 0.010	< 0.000050	0.0418	121	0.00033	0.00127	3.49	133	< 0.000010	3.37	0.166	< 0.000010	< 0.00010	< 0.00030	0.00307	0.0096
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-11_NP	2022-05-11	9.7	< 0.010	< 0.000050	0.0401	116	0.00054	0.0014	3.46	129	< 0.000010	3.22	0.166	< 0.000010	< 0.00010	< 0.00030	0.00287	0.0102
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-12_NP	2022-05-12	9.8	< 0.010	< 0.000050	0.0414	106	0.00027	0.00129	3.39	122	< 0.000010	3.27	0.157	< 0.000010	< 0.00010	< 0.00030	0.00307	0.0085
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-13_NP	2022-05-13	9.2	< 0.010	< 0.000050	0.042	105	0.0002	0.00113	3.43	131	< 0.000010	3.08	0.155	0.00001	< 0.00010	< 0.00030	0.00301	0.009
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-14_NP	2022-05-14	12.6	< 0.010	< 0.000050	0.0407	100	0.00019	0.00113	3.37	132	< 0.000010	3.01	0.145	< 0.000010	< 0.00010	< 0.00030	0.00295	0.0122
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-15_NP	2022-05-15	12.6	< 0.010	< 0.000050	0.0396	109	0.0002	0.00112	3.17	129	< 0.000010	2.84	0.16	< 0.000010	< 0.00010	< 0.00030	0.00316	0.0099
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-16_NP FR_ASPSEEP1_WS_2022-05-17_NP	2022-05-16	9.4	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0403 0.0438	111 118	0.00026 0.00062	0.0011 0.00153	3.16 3.53	124 133	< 0.000020 < 0.000010	2.76 3.33	0.159 0.159	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00323 0.00327	0.0099 0.0101
FR_ASPSEEP1	FR_ASPSEEP1_W3_2022-05-17_NP FR_ASPSEEP1_WS_2022-05-19_NP	2022-05-17 2022-05-19	12.6	< 0.010	< 0.000050	0.0433	107	0.00062	0.00153	3.59	133	< 0.000010	3.38	0.159	< 0.000010	< 0.00010	< 0.00030	0.00327	0.009
FR_ASPSEEP1	FR ASPSEEP1 WS 2022-05-19 NP	2022-05-19	9.7	< 0.010	< 0.000050	0.0433	113	0.00027	0.0012	3.45	134	< 0.000010	3.26	0.165	< 0.000010	< 0.00010	< 0.00030	0.00334	0.0102
FR ASPSEEP1	FR ASPSEEP1 WS 2022-05-21 NP		11.6	< 0.010	< 0.000050	0.0435	113	0.00043	0.00086	3.47	129	< 0.000020	3.24	0.161	< 0.000010	< 0.00010	< 0.00030	0.00332	0.0102
FR ASPSEEP1	FR ASPSEEP1 WS 2022-05-23 NP		11.7	< 0.010	< 0.000050	0.0408	115	0.00023	0.00122	3.41	125	< 0.000010	3.21	0.157	< 0.000010	< 0.00010	< 0.00030	0.00324	0.0097
FR ASPSEEP1	FR ASPSEEP1 WS 2022-05-24 NP		11.5	< 0.010	< 0.000050	0.0461	110	0.00024	0.00124	3.49	128	< 0.000010	3.36	0.161	< 0.000010	< 0.00010	< 0.00030	0.00319	0.0098
FR ASPSEEP1	FR ASPSEEP1 WS 2022-05-25 NP	2022-05-25	9.3	< 0.010	< 0.000050	0.0394	116	0.00024	0.0014	3.35	122	< 0.000010	3.24	0.159	< 0.000010	< 0.00010	< 0.00030	0.00306	0.0093
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-26_NP	2022-05-26	9.1	< 0.010	< 0.000050	0.041	116	0.0002	0.00132	3.28	120	< 0.000010	3.23	0.163	< 0.000010	< 0.00010	< 0.00030	0.00314	0.0092
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-27_NP	2022-05-27	10.6	< 0.010	< 0.000050	0.0428	111	0.00022	0.0009	3.44	120	< 0.000010	3.26	0.161	< 0.000010	< 0.00010	< 0.00030	0.003	0.0103
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-28_NP	2022-05-28	10.4	< 0.010	< 0.000050	0.0422	109	0.00026	0.00074	3.38	119	< 0.000010	3.23	0.158	< 0.000010	< 0.00010	< 0.00060	0.00306	0.0097
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-29_NP	2022-05-29	12.5	< 0.010	< 0.000050	0.0436	110	0.0002	0.00121	3.4	135	< 0.000010	3.28	0.152	< 0.000010	< 0.00010	< 0.00030	0.00298	0.0101
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-30_NP	2022-05-30	15	< 0.010	< 0.000050	0.0422	110	0.00024	0.00114	3.44	131	< 0.000010	3.32	0.153	< 0.000010	< 0.00010	< 0.00030	0.00293	0.0092
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-01_NP	2022-06-01	12.9	< 0.010	< 0.000050	0.0397	102	0.00018	0.00107	3.36	119	< 0.000010	3.08	0.145	< 0.000010	< 0.00010	< 0.00030	0.00294	0.0084
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-02_NP	2022-06-02	19.3	< 0.010	< 0.000050	0.0402	105	0.00036	0.00112	3.33	107	< 0.000010	3.1	0.15	< 0.000010	< 0.00010	< 0.00030	0.00261	0.0089
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-03_NP	2022-06-03	1E E	< 0.050 < 0.010	< 0.000250	0.0384 0.0241	105 62.1	< 0.00050 0.00104	< 0.00250 0.00223	3.16 2.49	90.7 58.6	0.000062	2.8 1.86	0.14 0.097	< 0.000050 0.000012	< 0.00050 < 0.00010	< 0.00150 < 0.00030	0.00258 0.00178	0.0089 0.0054
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-04_NP FR_ASPSEEP1_WS_2022-06-05_NP	2022-06-04 2022-06-05	15.5 13.1	< 0.010	< 0.000050 < 0.000050	0.0241	97.8	0.00104	0.00223	3.03	102	< 0.000010 < 0.000020	2.84	0.097	< 0.000012	< 0.00010	< 0.00030	0.00178	0.0054
FR ASPSEEP1	FR ASPSEEP1 WS 2022-06-06 NP	2022-06-06	13.5	< 0.010	< 0.000050	0.0359	96.5	0.00021	0.00114	3.13	104	< 0.000020	2.89	0.139	< 0.000010	< 0.00010	< 0.00030	0.00267	0.009
FR_ASPSEEP1	FR ASPSEEP1 WS 2022-06-07 NP	2022 00 00	13.2	< 0.010	< 0.000050	0.0339	106	0.00022	0.00100	3.16	99.7	< 0.000010	3.09	0.142	< 0.000010	< 0.00010	< 0.00030	0.00287	0.0099
FR ASPSEEP1	FR ASPSEEP1 WS 2022-06-08 NP	2022-06-08	17	< 0.010	< 0.000050	0.0392	95.8	0.00029	0.001	3.24	103	< 0.000010	2.92	0.132	< 0.000010	< 0.00010	< 0.00030	0.00256	0.0099
FR ASPSEEP1	FR ASPSEEP1 WS 2022-06-09 NP	2022-06-09		< 0.010	< 0.000050	0.0433	104	0.00019	0.00111	3.5	102	< 0.000010	3.18	0.148	< 0.000010	< 0.00010	< 0.00030	0.00287	0.0105
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-10_NP	2022-06-10		0.016	< 0.000050	0.0374	98.2	0.00018	0.00105	3.22	102	< 0.000010	2.86	0.133	< 0.000010	< 0.00010	< 0.00030	0.00244	0.0088
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-11_NP	2022-06-11	10.9	< 0.010	< 0.000050	0.0365	96.5	0.00016	0.00104	3.14	99.4	< 0.000010	2.87	0.131	< 0.000010	< 0.00010	< 0.00030	0.0024	0.0086
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-12_NP	2022-06-12	20.4	< 0.010	< 0.000050	0.0368	97.6	0.00022	0.00097	3.12	97.2	< 0.000010	2.86	0.13	< 0.000010	< 0.00010	< 0.00030	0.00248	0.0093
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-13_NP	2022-06-13		< 0.010	< 0.000050	0.038	95.6	< 0.00020	0.00103	3.14	102	0.000016	2.82	0.134	< 0.000010	< 0.00010	< 0.00030	0.00258	0.0086
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-20_NP	2022-06-20	6	< 0.010	< 0.000050	0.0348	89.5	0.00026	0.001	2.9	86.7	< 0.000010	2.66	0.114	< 0.000010	< 0.00010	< 0.00030	0.00235	0.0089
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-07-04_NP	2022-07-04		< 0.010	< 0.000050	0.0403	97.3	0.00033	0.00112	3.08	101	< 0.000010	2.89	0.136	< 0.000010	< 0.00010	< 0.00030	0.0026	0.0092
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-07-11_NP		5.6	< 0.010	< 0.000050	0.042	102	0.00033	0.00126	3.22	89.5	< 0.000010	3.11	0.138	< 0.000010	< 0.00010	< 0.00030	0.00274	0.0093
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-07-18_NP	2022-07-18		< 0.010	< 0.000050	0.0472	109	0.00042	0.00134	3.43	108	< 0.000010	3.21	0.146	< 0.000010	< 0.00010	< 0.00030	0.00289	0.0117
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-07-25_NP	2022-07-25		< 0.010	< 0.000050	0.0455	122	0.00019	0.001	3.55	102	< 0.000010	3.58	0.15	< 0.000010	< 0.00010	< 0.00030	0.00296	0.0098
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_SEEP_2022-07-01_NP FR_ASPSEEP1_WS_2022-08-11_NP	2022-08-03 2022-08-11		< 0.010 < 0.010	0.000086 < 0.000050	0.053 0.0468	122 134	0.00031 0.00024	0.00142 0.0013	3.72 3.71	115	< 0.000010 < 0.000010	3.94 4	0.161 0.161	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00294 0.0034	0.0133
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-08-11_NP FR_ASPSEEP1_WS_2022-08-18_NP	2022-08-11	18.6 6.3	< 0.010	< 0.000050	0.0468	156	0.00024	0.0013	3.71	112 122	< 0.000010	4.54	0.161	< 0.000010	< 0.00010	< 0.00030	0.0034	0.0114 0.0112
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-08-18_NP FR_ASPSEEP1_WS_2022-08-24_NP	2022-08-18	- 0.3	< 0.010	< 0.000050	0.0533	162	0.00028	0.00144	3.91	126	< 0.000010	4.54	0.181	0.000010	< 0.00010	< 0.00030	0.00358	0.0112
TICAGI GELI I	. N_AOI OLLI I_V/O_2022-00-24_INF	2022-00-24		- 0.010	- 0.000000	0.0010	102	0.00001	0.00147	0.0	120	- 0.000010	7.71	0.100	0.000012	- 0.00010	- 0.00000	0.00010	0.0114

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX B - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissolv	ed Metals					
				_									_		
			ess	un u	ony	<u>:</u>	E	Ë	Ę	_	m m	E	jä		5
			F	Ë E	Ē	sen	Ę	Σ	smı	ron	ad m	Calcium	ron	pal	<u>d</u>
Sample	Sample ID	Sample Date		₹ mg/L	₹	¥	<u>8</u>	<u>8</u>	<u></u>	<u>8</u>	ຼື ຫg/L		<u>5</u>	<u>წ</u>	ကg/L
Location	ID .	(mm/dd/yyyy)	mg/L	Ÿ	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	<u>*</u>	mg/L	mg/L	mg/L	_
				Acute							Acute				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a 0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Fording River Operation FR ASPSEEP1	FR ASPSEEP1 WS 2022-09-01 NP	2022-09-01	2.8	< 0.0010	0.00032	0.00014	0.0507	< 0.020	< 0.000050	0.029	0.000267	194	< 0.00010	< 0.10	0.00077
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-09-05_NP	2022-09-05	19.7	< 0.0020	0.00034	< 0.00014	0.0501	< 0.040	< 0.000100	0.023	0.00032	214	< 0.00010	< 0.20	0.00083
FR_BLAINESEEP1	FR_BAINESEEP1_WS_2022-04-27_NP	2022-04-27	7.1	0.0023	0.00053	< 0.00020	0.015	< 0.040	< 0.000100	0.037	0.000121	318	< 0.00020	< 0.20	0.00054
FR_BLAINESEEP1 FR_BLAINESEEP1	FR BLAINESEEP1 SEEP 2022-07-01 NP FR BLAINESEEP1 SEEP 2022-09-01 NP	2022-07-19 2022-09-15	10.3	0.0028 < 0.0020	0.0006 0.00054	< 0.00020 < 0.00020	0.0142 0.0251	< 0.040 < 0.040	< 0.000100 < 0.000100	0.033 0.041	0.000935 0.000753	287 348	< 0.00020 < 0.00020	< 0.20 < 0.20	0.00076 0.00074
FR_BLAINESEEP5	FR_BLAINESEEP5_SEEP_2022-04-11_NP	2022-06-10	4.8	0.007	0.00066	< 0.00050	0.0254	< 0.100	< 0.000100	0.08	0.000164	383	< 0.00050	< 0.50	< 0.0014
FR_BLAINESEEP5	FR_BLAINESEEP5_SEEP_2022-09-26_NP	2022-09-26	-	0.0027	0.00059	0.00045	0.0292	< 0.040	< 0.000100	0.062	0.000153	391	< 0.00020	0.00022	0.00062
FR_BLAKESEEP1 FR_BLAKESEEP1	FR_BLAKESEEP1_SEEP_2022-04-11_NP FR_BLAKESEEP1_SEEP_2022-09-22_NP	2022-05-16 2022-09-22	7.2 4.4	0.0024 0.0027	0.00035 0.00037	0.0002 0.00016	0.0438 0.0416	< 0.020 < 0.020	< 0.000050 < 0.000050	0.024 0.028	0.0000814 0.0000984	171 167	< 0.00010 < 0.00010	0.00027 0.0002	0.00036 0.00026
FR CCSEEPE1	FR CCSEEPE1 SEEP 2022-09-22 NP	2022-09-22	10.2	< 0.0027	0.00037	< 0.00010	0.0410	< 0.020	< 0.000050	0.028	0.001	247	< 0.00010	0.0002	0.00049
FR_CCSEEPE1	FR_CCSEEPE1_2022-06-17_N	2022-06-17	9.8	0.0031	0.00092	< 0.00010	0.0138	< 0.020	< 0.000050	0.035	0.00103	263	< 0.00010	0.00047	0.00053
FR_CCSEEPE1	FR_CCSEEPE1_SEEP_2022-07-01_NP FR_CCSEEPSE1_2022-03-28_N	2022-08-22	4.26	< 0.0020 < 0.0020	0.00085	< 0.00020	0.0129	< 0.040	< 0.000100	0.041	0.00118 0.00101	297 444	< 0.00020	0.00047	0.0008 0.00042
FR_CCSEEPSE1 FR_CCSEEPSE1	FR_CCSEEPSE1_2022-03-28_N FR_CCSEEPSE1_SEEP_2022-04-11_NP	2022-03-28 2022-06-10	4.20	0.0020	0.00097 0.00081	< 0.00020 0.00035	0.0142 0.016	< 0.040 < 0.040	< 0.000100 < 0.000100	0.043	0.00101	302	< 0.00020 < 0.00020	0.00064 0.0002	0.00042
FR_CCSEEPSE1	FR_CCSEEPSE1_SEEP_2022-07-01_NP	2022-08-22	-	< 0.0020	0.00083	0.00024	0.0136	< 0.040	< 0.000100	0.02	0.00125	289	< 0.00020	0.00023	0.00082
FR_DOKASEEP1	FR_DOKASEEP1_SEEP_2022-04-11_NP	2022-05-16	4.7	< 0.0040	0.00012	0.00013	0.091	< 0.020	< 0.000050	0.026	0.0000061	78.4	< 0.00010	< 0.10	0.00042
FR_DOKASEEP1 FR_DOKASEEP1	FR_DOKASEEP1_SEEP_2022-07-01_NP FR_DOKASEEP1_SEEP_2022-09-21_NP	2022-07-29 2022-09-21	3.04	0.0054 0.0043	0.00012 < 0.00010	0.00022 0.00018	0.101 0.0839	< 0.020 < 0.020	< 0.000050 < 0.000050	0.038 0.024	< 0.0050 < 0.0050	81.5 68.9	< 0.00010 < 0.00010	< 0.10 < 0.10	0.00032 0.00026
FR_EAGLENORTH	FR_EAGLENORTH_SEEP_2022-04-11_NP	2022-05-16	7.2	0.0051	0.00055	< 0.00050	0.0134	< 0.100	< 0.000250	< 0.050	0.000546	399	< 0.00050	< 0.50	< 0.00100
FR_EAGLENORTH	FR_EAGLENORTH_SEEP_2022-07-01_NP	2022-07-06	-	< 0.0050	< 0.00050	< 0.00050	0.0152	< 0.100	< 0.000250	< 0.050	0.000905	382	< 0.00050	< 0.50	< 0.00100
FR_EAGLENORTH FR FCSEEP2	FR_EAGLE NORTH_SEEP_2022-09-22_NP FR_FCSEEP2_SEEP_2022-04-11_NP	2022-09-22 2022-06-10	5.3 2.3	< 0.0020 0.0017	0.00048 0.0001	< 0.00020 < 0.00010	0.0143 0.0395	< 0.040 < 0.020	< 0.000100 < 0.000050	0.025 < 0.010	0.000898 0.0000078	363 39	< 0.00020 0.00011	< 0.20 < 0.10	0.00054 0.00022
FR_FCSEEP2	FR FCSEEP2 SEEP 2022-04-11 NP FR FCSEEP2 SEEP 2022-09-22 NP	2022-09-22	5.9	< 0.0017	< 0.0001	< 0.00010	0.0395	< 0.020	< 0.000050	< 0.010	0.0000078	58.7	< 0.00011	< 0.10	< 0.00022
FR_FRVWSEEP3	FR_FRVWSEEP3_SEEP_2022-04-11_NP	2022-06-16	10.1	0.0014	0.00049	< 0.00010	0.0222	< 0.020	< 0.000050	< 0.010	0.0000514	125	< 0.00010	0.00038	0.00033
FR_FRVWSEEP3 FR_FSEAMSEEP7	FR_FRVWSEEP3_SEEP_2022-09-08_NP FR_FSEAMSEEP7_SEEP_2022-04-11_NP	2022-09-08 2022-05-16	3.5	0.0036 0.008	0.00029 0.0008	< 0.00010 0.00024	0.0208 0.0627	< 0.020 < 0.020	< 0.000050 < 0.000050	0.015 0.015	0.0000409 0.0000216	164 95.5	< 0.00010 < 0.00010	< 0.10 0.00011	0.00026 0.00081
FR FSEAMSEEP7	FR FSEAMSEEP7 SEEP 2022-07-01 NP	2022-03-16	3.5	0.008	0.0008	0.00024	0.0627	< 0.020	< 0.000050	0.013	< 0.0100	75	< 0.00010	0.00011	0.00081
FR_FSEAMWSEEP4	FR_FSEAMWSEEP4_SEEP_2022-04-11_NP	2022-06-16	-	0.0034	0.00136	0.00012	0.0651	< 0.020	< 0.000050	0.026	0.00016	121	< 0.00010	0.00139	0.00034
FR_HENSEEP3	FR_HENSEEP3_SEEP_2022-04-11_NP	2022-04-11	-	0.0033	0.00029	< 0.00020	0.0353	< 0.040	< 0.000100	< 0.020	0.00013	319	< 0.00020	< 0.20	0.0004
FR_HENSEEP3 FR_HENSEEP3	FR_HENSEEP3_SEEP_2022-05-16_NP FR_HENSEEP3_SEEP_2022-07-01_NP	2022-05-16 2022-07-14	9	0.0021 0.0022	< 0.00020 0.00022	< 0.00020 < 0.00020	0.0459 0.0319	< 0.040 < 0.040	< 0.000100 < 0.000100	0.02 < 0.020	0.0000948 0.000147	390 319	< 0.00020 < 0.00020	< 0.20 < 0.20	< 0.00040 < 0.00040
FR_HENSEEP3	FR_HENSEEP3_SEEP_2022-09-21_NP	2022-09-21	9.4	< 0.0020	< 0.00020	< 0.00020	0.0291	< 0.040	< 0.000100	< 0.020	0.000125	325	< 0.00020	< 0.20	< 0.00040
FR_HENSSEEP1	FR_HENSEEP1_SEEP_2022-04-11_NP	2022-04-11	8.2	0.0054	0.00022	0.00016	0.0741	< 0.020	< 0.000050	< 0.010	0.000211	252	< 0.00010	< 0.10	0.0007
FR_HENSSEEP1 FR_LMCWSEEP5	FR_HENSSEEP1_SEEP_2022-07-01_NP FR_LMCWSEEP5_SEEP_2022-04-11_NP	2022-07-14 2022-06-16	9.4	< 0.0020 0.0026	0.00026 0.00024	< 0.00020 0.00016	0.0493 0.0242	< 0.040 < 0.020	< 0.000100 < 0.000050	< 0.020 < 0.010	0.000238 0.000063	335 52.5	< 0.00020 < 0.00010	< 0.20 < 0.10	0.00076 0.00068
FR LMCWSEEP5	FR LMCWSEEP5 SEEP 2022-07-01 NP	2022-07-06	19.5	0.0039	0.00025	0.00016	0.0262	< 0.020	< 0.000050	< 0.010	0.0000848	62.6	< 0.00010	< 0.10	0.00064
FR_LMCWSEEP5	FR_LMCWSEEP5_SEEP_2022-09-22_NP	2022-09-22	3.12	< 0.0010	0.00029	0.00017	0.0564	< 0.020	< 0.000050	< 0.010	0.000187	128	< 0.00010	< 0.10	0.00056
FR_SCRDSEEP1 FR_SCRDSEEP1	FR_SCRDSEEP1_SEEP_2022-04-11_NP FR_SCRDSEEP1_SEEP_2022-09-21_NP	2022-05-19 2022-09-21	4.3	0.0045 0.0016	0.00222 0.00114	0.00088 0.00017	0.0926 0.0218	< 0.040 < 0.020	< 0.000100 < 0.000050	0.02 < 0.010	0.00034 0.00133	328 318	< 0.00020 < 0.00010	0.00755 0.00063	0.00172 0.0012
FR_SCRUSEEF1	FR SPRPSEEP1 WS 2022-04-27 NP	2022-09-21	-	0.0064	0.00114	0.00017	0.0218	< 0.020	< 0.000050	0.038	0.00133	147	< 0.00010	< 0.10	0.00058
FR_SPRWSEEP1	FR_SPRWSEEP1_SEEP_2022-07-01_NP	2022-07-14	6.9	0.00205	0.000455	0.000145	0.04455	< 0.020	< 0.000050	0.0765	0.000462	144.5	< 0.00010	< 0.10	0.00067
FR_STPNSEEP	FR STPNSEEP SEEP 2022-04-11 NP FR STPNSEEP SEEP 2022-07-01 NP	2022-05-19	4.69	< 0.0010 < 0.0010	0.00016	< 0.00010	0.106	< 0.020	< 0.000050	0.012	0.0000595 0.0000332	117	0.00011	< 0.10	< 0.00020 0.00026
FR_STPNSEEP FR_STPSWSEEP	FR_STPNSEEP_SEEP_2022-07-01_NP FR_STPSWEEP_WS_2022	2022-07-15 2022-01-25	-	< 0.0010	0.0002 < 0.00010	< 0.00010 < 0.00010	0.0599 0.0717	< 0.020 < 0.020	< 0.000050 < 0.000050	0.012 0.031	0.000332	66.1 124		< 0.10 0.0004	< 0.00020
FR_STPSWSEEP	FR_STPSWSEEP_WS_2022	2022-02-22	3.6	< 0.0010	< 0.00010	< 0.00010	0.07135	< 0.020	< 0.000050	0.0295	0.0002125	126.5	< 0.00010	0.00041	< 0.00020
FR_STPSWSEEP	FR_STPSWSEEP_SEEP_2022-04-11_NP	2022-05-19	2	< 0.0010	< 0.00010	< 0.00010	0.0604	< 0.020	< 0.000050	0.03	0.0000858	120	< 0.00010	0.00033	< 0.00020
FR_STPSWSEEP FR_STPSWSEEP	FR STPSWSEEP SEEP 2022-07-01 NP FR STPSWSEEP SEEP 2022-09-23 NP	2022-07-15 2022-09-23	0.9 3.4	< 0.0010 0.0037	< 0.00010 < 0.00010	< 0.00010 < 0.00010	0.0613 0.066	< 0.020 < 0.020	< 0.000050 < 0.000050	0.032 0.029	0.000216 0.000295	120 124	< 0.00010 < 0.00010	0.0003 0.00033	< 0.00020 < 0.00020
FR_STPWSEEP	FR_STPWSEEP_SEEP_2022-04-11_NP	2022-05-19		< 0.0010	< 0.00010	< 0.00010	0.0553	< 0.020	< 0.000050	0.023	0.000338	105	< 0.00010	0.0006	< 0.00020
FR_STPWSEEP	FR_STPWSEEP_SEEP_2022-07-01_NP	2022-07-15	15.9	< 0.0010	< 0.00010	< 0.00010	0.0643	< 0.020	< 0.000050	0.031	0.000141	112	< 0.00010	0.00054	< 0.00020
FR_STPWSEEP FR_STPWSEEP	FR_STPSWSEEP_SEEP_2022-09-12_NP FR_STPWSEEP_SEEP_2022-09-23_NP	2022-09-12	19.8 14.8	0.0026 < 0.0010	< 0.00010 < 0.00010	< 0.00010 < 0.00010	0.0644 0.0782	< 0.020 < 0.020	< 0.000050 < 0.000050	0.031 0.031	0.000263 0.000324	126 127	0.00025 < 0.00010	0.00032 0.00039	< 0.00020 < 0.00020
FR_STPWSEEP FR_TBWSEEP1	FR_STPWSEEP_SEEP_2022-09-23_NP FR_TBWSEEP1_SEEP_2022-04-11_NP	2022-09-23	9.2	0.0010	0.00010	< 0.00010	0.0782	< 0.020	< 0.000050	0.031	0.000324	178	0.00010	< 0.10	< 0.00020
FR_TBWSEEP1	FR_TBWSEEP1_SEEP_2022-07-01_NP	2022-07-20	10.7	< 0.0010	0.00011	< 0.00010	0.08485	< 0.020	< 0.000050	0.018	0.00006235	166	0.000165	< 0.10	0.00025
FR_TURNSEEP1	FR_TURNSEEP1_SEEP_2022-04-11_NP	2022-04-11	7.7	0.0036	0.00072	0.00011	0.0562	< 0.020	< 0.000050	0.023	0.000432	225	< 0.00010	< 0.10	0.00043
FR_TURNSEEP1 FR_TURNSEEP1	FR_TURNSEEP1_SEEP_2022-07-01_NP FR_TURNSEEP1_SEEP_2022-09-21_NP	2022-07-14 2022-09-21	1.9 5	< 0.0010 < 0.0010	0.0008 0.00061	< 0.00010 0.00011	0.041 0.046	< 0.020 < 0.020	< 0.000050 < 0.000050	0.019 0.016	0.000266 0.0000247	152 189	< 0.00010 < 0.00010	< 0.10 < 0.10	0.00039 0.00026
FR_TURNSEEP2	FR_TURNSEEP2_SEEP_2022-04-11_NP	2022-03-21	14.2	0.0015	0.00001	< 0.00011	0.187	< 0.020	< 0.000050	0.013	0.0000784	206	0.00014	< 0.10	0.00028
FR_TURNSEEP2	FR_TURNSEEP2_SEEP_2022-07-01_NP	2022-07-14	13.6	< 0.0010	0.000145	< 0.00010	0.1785	< 0.020	< 0.000050	0.015	0.0000808	198	0.000145	< 0.10	0.00036

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX B - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolve	ed Metals							
Sample	Sample	Sample Date	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Fording River Operation FR ASPSEEP1	FR ASPSEEP1 WS 2022-09-01 NP	2022-09-01 2.8	< 0.010	< 0.000050	0.0500	165	0.00061	0.00144	3.79	400	< 0.000010	4.36	0.174	0.000044	< 0.00010	< 0.00030	0.0032	0.0404
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-09-01_NP FR_ASPSEEP1_WS_2022-09-05_NP	2022-09-01 2.8	< 0.010	< 0.000050	0.0528 0.0659	161	0.00061	0.00144	3.79	123 134	< 0.000010	4.85	0.174	0.000011 < 0.000020	< 0.00010	< 0.00030	0.0032	0.0104 0.0112
FR BLAINESEEP1	FR BAINESEEP1 WS 2022-04-27 NP	2022-03-03 13:1	< 0.020	< 0.000100	0.12	316	0.0115	0.0539	6.18	479	< 0.000020	3.85	0.25	0.000038	< 0.00020	< 0.00060	0.0236	0.0067
FR_BLAINESEEP1	FR_BLAINESEEP1_SEEP_2022-07-01_NP	2022-07-19 -	< 0.020	< 0.000100	0.096	260	0.0128	0.0457	5.06	427	< 0.000020	2.88	0.229	0.00004	< 0.00020	< 0.00060	0.0216	0.0326
FR_BLAINESEEP1	FR_BLAINESEEP1_SEEP_2022-09-01_NP	2022-09-15 10.3	< 0.020	< 0.000100	0.112	333	0.0149	0.0563	6.09	478	< 0.000020	3.53	0.27	0.000037	< 0.00020	< 0.00060	0.0276	0.0288
FR_BLAINESEEP5	FR_BLAINESEEP5_SEEP_2022-04-11_NP	2022-06-10 4.8	< 0.050	< 0.000250	0.172	336	0.00734	0.00908	6.33	200	< 0.000050	3.06	0.229	< 0.000050	< 0.00050	< 0.00150	0.0212	0.0084
FR_BLAINESEEP5	FR_BLAINESEEP5_SEEP_2022-09-26_NP	2022-09-26 -	< 0.020 < 0.010	< 0.000100	0.152 0.0304	334 73.4	0.00303	0.00328 0.00544	6.84 2.32	264 114	< 0.000020	2.96 5.64	0.251 0.668	0.000026 < 0.000010	< 0.00020 < 0.00010	< 0.00060	0.0235	0.005
FR_BLAKESEEP1 FR_BLAKESEEP1	FR_BLAKESEEP1_SEEP_2022-04-11_NP FR_BLAKESEEP1_SEEP_2022-09-22_NP	2022-05-16 7.2 2022-09-22 4.4	< 0.010	< 0.000050 < 0.000050	0.0363	75.5	0.00318 0.00293	0.00544	2.34	149	< 0.000010 < 0.000010	6.87	0.839	< 0.000010	< 0.00010	< 0.00030 < 0.00030	0.0024 0.00222	0.003 0.0038
FR CCSEEPE1	FR CCSEEPE1 SEEP 2022-04-11 NP	2022-06-10 10.2	< 0.010	< 0.000050	0.375	137	0.00233	0.0425	7.53	176	< 0.000010	11.3	0.37	0.000049	< 0.00010	< 0.00030	0.013	0.0553
FR_CCSEEPE1	FR_CCSEEPE1_2022-06-17_N	2022-06-17 9.8	< 0.010	< 0.000050	0.411	143	0.00023	0.043	7.23	157	< 0.000010	12	0.406	0.000051	< 0.00010	< 0.00030	0.0141	0.0559
FR_CCSEEPE1	FR_CCSEEPE1_SEEP_2022-07-01_NP	2022-08-22 -	< 0.020	< 0.000100	0.522	163	0.00025	0.0598	7.4	178	< 0.000020	15.3	0.46	0.000056	< 0.00020	< 0.00060	0.0181	0.0633
FR_CCSEEPSE1	FR_CCSEEPSE1_2022-03-28_N	2022-03-28 4.26		< 0.000100	0.609	241	0.00033	0.0856	9.85	239	< 0.000020	14.8	0.715	0.000066	< 0.00020	< 0.00060	0.0203	0.0686
FR_CCSEEPSE1	FR_CCSEEPSE1_SEEP_2022-04-11_NP	2022-06-10 -	< 0.020	< 0.000100	0.241	203	0.00244	0.0388	6.25	277	< 0.000020	13.8	0.301	0.000043	< 0.00020	< 0.00060	0.0139	0.0556
FR_CCSEEPSE1 FR_DOKASEEP1	FR_CCSEEPSE1_SEEP_2022-07-01_NP FR_DOKASEEP1_SEEP_2022-04-11_NP	2022-08-22 - 2022-05-16 4.7	< 0.020 < 0.010	< 0.000100 < 0.000050	0.162 0.0084	210 21.2	0.00414 0.00026	0.0519 0.00052	5 1.21	312 3.44	< 0.000020 < 0.000010	11.5 3.46	0.289 0.36	0.000052 < 0.000010	< 0.00020 < 0.00010	< 0.00060 < 0.00030	0.0162 0.000427	0.101 < 0.0010
FR DOKASEEP1	FR DOKASEEP1 SEEP 2022-04-11 NP	2022-03-10 4.7	0.02	< 0.000050	0.0064	23	0.00020	< 0.00050	1.26	0.74	0.000064	3.77	0.428	< 0.000010	< 0.00010	< 0.00030	0.000427	< 0.0010
FR DOKASEEP1	FR DOKASEEP1 SEEP 2022-09-21 NP	2022-09-21 -	< 0.010	< 0.000050	0.0096	21.3	0.00196	< 0.00050	1.06	0.711	< 0.00001	3.5	0.341	< 0.000010	< 0.00010	< 0.00030	0.000247	< 0.0010
FR_EAGLENORTH	FR_EAGLENORTH_SEEP_2022-04-11_NP	2022-05-16 7.2	< 0.050	< 0.000250	0.174	334	< 0.00050	0.0207	5.33	383	< 0.000050	15	0.29	< 0.000050	< 0.00050	< 0.00150	0.021	0.0242
FR_EAGLENORTH	FR_EAGLENORTH_SEEP_2022-07-01_NP	2022-07-06 -	< 0.050	< 0.000250	0.171	329	0.00071	0.0252	5.54	376	< 0.000050	16.1	0.281	< 0.000050	< 0.00050	< 0.00150	0.0237	0.0393
FR_EAGLENORTH	FR_EAGLE NORTH_SEEP_2022-09-22_NP	2022-09-22 5.3	< 0.020	< 0.000100	0.151	349	< 0.00020	0.0265	5.94	418	< 0.000020	15.3	0.262	0.000042	< 0.00020	< 0.00060	0.027	0.0386
FR_FCSEEP2	FR_FCSEEP2_SEEP_2022-04-11_NP	2022-06-10 2.3	< 0.010 < 0.010	< 0.000050	0.0071 0.0079	14.9 22.9	< 0.00010	< 0.00050 < 0.00050	0.617 0.818	5.7 21.9	< 0.000010	0.524	0.0652 0.119	< 0.000010	< 0.00010 < 0.00010	< 0.00030	0.000694 0.00097	< 0.0010
FR_FCSEEP2 FR_FRVWSEEP3	FR_FCSEEP2_SEEP_2022-09-22_NP FR_FRVWSEEP3_SEEP_2022-04-11_NP	2022-09-22 5.9 2022-06-16 10.1	< 0.010	< 0.000050 < 0.000050	0.0079	110	< 0.00010 0.00332	0.00481	2.97	100	< 0.000010 < 0.000010	0.574 4.14	0.119	< 0.000010 < 0.000010	< 0.00010	< 0.00030 < 0.00030	0.00097	< 0.0010 0.0032
FR FRVWSEEP3	FR FRVWSEEP3 SEEP 2022-09-08 NP	2022-09-08 -	0.016	< 0.000050	0.0328	147	0.0151	0.00261	3.26	107	< 0.000010	5.43	0.14	< 0.000010	< 0.00010	< 0.00030	0.00574	0.0126
FR_FSEAMSEEP7	FR_FSEAMSEEP7_SEEP_2022-04-11_NP	2022-05-16 3.5	0.016	< 0.000050	0.0296	49.2	0.00155	0.00197	2.83	92.4	< 0.000010	3.5	0.275	< 0.000010	< 0.00010	< 0.00030	0.00369	< 0.0010
FR_FSEAMSEEP7	FR_FSEAMSEEP7_SEEP_2022-07-01_NP	2022-07-20 -	0.021	< 0.000050	0.0457	44	0.00127	0.00287	4.46	33.1	< 0.000010	6.65	0.314	< 0.000010	< 0.00010	0.0004	0.00315	< 0.0010
FR_FSEAMWSEEP4	FR_FSEAMWSEEP4_SEEP_2022-04-11_NP	2022-06-16 -	< 0.010	< 0.000050	0.066	49.2	0.00775	0.0228	5.77	106	< 0.000010	1.08	0.109	0.000037	< 0.00010	< 0.00030	0.00519	0.0108
FR_HENSEEP3 FR_HENSEEP3	FR_HENSEEP3_SEEP_2022-04-11_NP FR_HENSEEP3_SEEP_2022-05-16_NP	2022-04-11 - 2022-05-16 9	< 0.020 < 0.020	< 0.000100 < 0.000100	0.0586 0.0629	222 216	0.00129	0.00318 0.00292	3.54	516 517	< 0.000020	1.74 2.46	0.209 0.276	< 0.000020 < 0.000020	< 0.00020 < 0.00020	< 0.00060 < 0.00060	0.00551 0.00431	0.0066 0.005
FR_HENSEEP3	FR HENSEEP3 SEEP 2022-05-10 NP	2022-05-16 9 2022-07-14 -	< 0.020	< 0.000100	0.0629	191	0.00119 0.00189	0.00292	3.02	437	< 0.000020 < 0.000020	1.83	0.276	< 0.000020	< 0.00020	< 0.00060	0.00431	0.0064
FR HENSEEP3	FR HENSEEP3 SEEP 2022-09-21 NP	2022-09-21 9.4	< 0.020	< 0.000100	0.0554	190	0.00037	0.00234	2.85	457	< 0.000020	2.38	0.234	< 0.000020	< 0.00020	< 0.00060	0.00343	0.0063
FR_HENSSEEP1	FR_HENSEEP1_SEEP_2022-04-11_NP	2022-04-11 8.2	0.013	< 0.000050	0.008	98	0.00115	0.00232	2.32	53.3	< 0.000010	1.37	0.177	0.000013	< 0.00010	< 0.00030	0.00313	0.0206
FR_HENSSEEP1	FR_HENSSEEP1_SEEP_2022-07-01_NP	2022-07-14 -	< 0.020	< 0.000100	0.0115	126	0.0181	0.00435	3.02	7.62	< 0.000020	1.62	0.226	0.000024	< 0.00020	< 0.00060	0.00458	0.0158
FR_LMCWSEEP5	FR_LMCWSEEP5_SEEP_2022-04-11_NP	2022-06-16 9.4	< 0.010	< 0.000050	0.0074	34	0.0004	0.00215	1.53	41.1	< 0.000010	0.516	0.0407	0.000014	< 0.00010	< 0.00030	0.00127	0.0077
FR_LMCWSEEP5	FR_LMCWSEEP5_SEEP_2022-07-01_NP FR_LMCWSEEP5_SEEP_2022-09-22_NP	2022-07-06 19.5	< 0.010	< 0.000050	0.0085	38.7	0.00037	0.0025	1.6	55.1	< 0.000010	0.542	0.0544	0.000012	< 0.00010	< 0.00030	0.00162	0.0041
FR_LMCWSEEP5 FR_SCRDSEEP1	FR SCRDSEEP1 SEEP 2022-09-22 NP	2022-09-22 3.12 2022-05-19 -	< 0.010 < 0.020	< 0.000050 < 0.000100	0.0161 0.0826	83.7 148	0.00097 0.0128	0.00502 0.0993	2.33 7.78	167 443	< 0.000010 < 0.000020	0.798 2.5	0.108 0.342	0.000017 0.000053	< 0.00010 < 0.00020	< 0.00030 < 0.00060	0.00372 0.00794	0.0085 0.0386
FR SCRDSEEP1	FR SCRDSEEP1 SEEP 2022-09-21 NP	2022-09-21 4.3	< 0.010	< 0.000050	0.0784	248	0.00337	0.0632	4.38	239	< 0.000010	1.95	0.202	0.000036	< 0.00010	< 0.00030	0.0144	0.0703
FR_SPRWSEEP1	FR_SPRPSEEP1_WS_2022-04-27_NP	2022-04-27 -	0.011	< 0.000050	0.0381	65.2	0.00268	0.00822	2.64	35.5	< 0.000010	9.43	0.258	0.000095	< 0.00010	< 0.00030	0.00412	0.0178
FR_SPRWSEEP1	FR_SPRWSEEP1_SEEP_2022-07-01_NP	2022-07-14 6.9	< 0.010	< 0.000050	0.0379	68.25	0.00462	0.00922	2.63	38.5	< 0.000010	10.5	0.5675	0.0001565	< 0.00010	< 0.00030	0.00223	0.02435
FR_STPNSEEP	FR_STPNSEEP_SEEP_2022-04-11_NP	2022-05-19 4.69		< 0.000050	0.0519	48.8	0.00036	< 0.00050	1.96	61.7	< 0.000010	4.78	0.196	< 0.000010	< 0.00010	< 0.00030	0.00283	0.0012
FR_STPNSEEP FR_STPSWSEEP	FR_STPNSEEP_SEEP_2022-07-01_NP FR_STPSWEEP_WS_2022	2022-07-15 - 2022-01-25 -	< 0.010 0.016	< 0.000050 < 0.000050	0.0312 0.0848	27.6 74.6	0.0013 0.395	< 0.00050 0.00409	1.46 5	22.8 0.071	< 0.000010 < 0.000010	3.28 6.53	0.126 0.211	< 0.000010 0.000024	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00168 0.00568	< 0.0010 0.0013
FR STPSWSEEP	FR STPSWEEP WS 2022	2022-01-25 -	0.016	< 0.000050	0.08275	74.55	0.395	0.00409	5.755	0.071	< 0.000010	7.15	0.211	0.000024	< 0.00010	< 0.00030	0.00566	0.0013
FR_STPSWSEEP	FR_STPSWSEEP_SEEP_2022-04-11_NP	2022-05-19 2		< 0.000050	0.091	75.3	0.448	0.00384	5.91	0.074	< 0.000010	6.9	0.217	< 0.000010	< 0.00010	< 0.00030	0.00528	0.0019
FR_STPSWSEEP	FR_STPSWSEEP_SEEP_2022-07-01_NP	2022-07-15 0.9	< 0.010	< 0.000050	0.0907	72.2	0.311	0.00378	4.93	0.167	< 0.000010	6.77	0.226	0.00003	< 0.00010	< 0.00030	0.00588	0.003
FR_STPSWSEEP	FR_STPSWSEEP_SEEP_2022-09-23_NP	2022-09-23 3.4	< 0.010	< 0.000050	0.0968	77.4	0.332	0.00438	5.31	0.082	< 0.000010	7.47	0.204	0.000028	< 0.00010	< 0.00030	0.00671	0.0017
FR_STPWSEEP FR_STPWSEEP	FR STPWSEEP SEEP 2022-04-11 NP FR STPWSEEP SEEP 2022-07-01 NP	2022-05-19 14.9		< 0.000050	0.102	73.7	0.0371	0.004	5.98	0.184	< 0.000010	7.14	0.206	< 0.000010	< 0.00010	< 0.00030	0.00662	0.0017
FR_STPWSEEP FR_STPWSEEP	FR_STPWSEEP_SEEP_2022-07-01_NP FR_STPSWSEEP_SEEP_2022-09-12_NP	2022-07-15 15.9 2022-09-12 19.8		< 0.000050 < 0.000050	0.0901 0.101	71.7 78.4	0.47 0.324	0.00406 0.00434	5.6 5.28	0.189 0.127	< 0.000010 < 0.000010	6.73 7.16	0.23 0.214	0.000019 0.000028	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00621 0.00684	0.0027 0.0017
FR_STPWSEEP	FR STPWSEEP SEEP 2022-09-12 NP	2022-09-12 19.8		< 0.000050	0.101	74.8	0.324	0.00434	5.67	0.127	< 0.000010	6.9	0.214	0.000028	< 0.00010	< 0.00030	0.00599	< 0.0017
FR_TBWSEEP1	FR_TBWSEEP1_SEEP_2022-04-11_NP	2022-03-23 14:0		< 0.000050	0.0403	68.9	0.00022	0.00099	1.77	116	< 0.000010	1.58	0.176	< 0.000010	< 0.00010	< 0.00030	0.00463	0.003
FR_TBWSEEP1	FR_TBWSEEP1_SEEP_2022-07-01_NP	2022-07-20 10.7	< 0.010	< 0.000050	0.05225	66.5	0.00028	0.00108	2	114.75	< 0.000010	1.72	0.1635	< 0.000010	< 0.00010	< 0.00030	0.0046	0.00275
FR_TURNSEEP1	FR_TURNSEEP1_SEEP_2022-04-11_NP	2022-04-11 7.7	0.017	< 0.000050	0.105	114	0.00173	0.00826	3.59	378	< 0.000010	2.15	0.197	0.000031	< 0.00010	< 0.00030	0.00968	0.0188
FR_TURNSEEP1	FR_TURNSEEP1_SEEP_2022-07-01_NP	2022-07-14 1.9		< 0.000050	0.0747	73.3	0.00082	0.00636	2.7	220	< 0.000010	1.56	0.139	0.00003	< 0.00010	< 0.00030	0.00565	0.0129
FR_TURNSEEP1 FR_TURNSEEP2	FR_TURNSEEP1_SEEP_2022-09-21_NP FR_TURNSEEP2_SEEP_2022-04-11_NP	2022-09-21 5 2022-04-11 14.2	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0908 0.0472	111 76.9	0.00028 0.00018	0.00528 0.00146	3.16 2.16	347 157	< 0.000010 < 0.000010	1.84 2.03	0.17 0.196	0.000014 < 0.000010	< 0.00010 0.00016	< 0.00030 < 0.00030	0.00671 0.00388	0.0018 0.003
FR_TURNSEEP2	FR_TURNSEEP2_SEEP_2022-04-11_NP FR_TURNSEEP2_SEEP_2022-07-01_NP	2022-04-11 14.2		< 0.000050	0.0472	76.9	0.00018	0.00146	2.10	155.5	< 0.000010	2.03	0.196	< 0.000010	< 0.00010	< 0.00030	0.003565	0.003
I II_I ONNOLLI Z	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2022-01-14 13.0	- 0.010	- 0.000000	U.U -1 U I	, , ,	0.000110	0.00101	۷.11	100.0	- 0.000010	2.03	0.130	- 0.000010	- 0.00010	- 0.00000	0.000000	0.0021

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX B - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissolv	ed Metals						
Sample	Sample	Sample Date	Hardness	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron		Cadmium	Calcium	Chromium	Cobalt	Copper
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	m	ıg/L	mg/L	mg/L	mg/L	mg/L
		1		Acute							Acute	Chronic		J		Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a 0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a	0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Greenhills Operation		T							T			0.100				
GH_E1	GH_E1_WS_2022-01-03_NP	2022-01-24		< 0.0020	< 0.00020	< 0.00020	0.0132	< 0.040	< 0.000100	0.023		.0100	278	< 0.00050	0.00073	< 0.00040
GH_E1 GH_E1	GH_E1_WS_2022-02-07_NP	2022-02-14	9.3	< 0.0010 0.0017	0.00014	0.0001 0.00014	0.0236 0.0248	< 0.020 < 0.020	< 0.000050 < 0.000050	0.02 0.018		00112 00159	152 148	< 0.00010 < 0.00010	< 0.00010	< 0.00020 < 0.00020
GH_E1	GH_E1_WS_2022-03-07_NP GH_E1_WS_2022-04-04_NP	2022-03-09	6	< 0.0017	< 0.00010 < 0.00020	< 0.00014	0.0246	< 0.020	< 0.000030	0.018		00139	347	< 0.00010	< 0.10 0.00124	< 0.00020
GH_E1	GH E1 WS 2022-04-04 NF	2022-04-20	6.7	0.0020	0.00020	0.00014	0.0190	< 0.040	< 0.000100	0.023		00144	163	< 0.00020	< 0.10	0.00021
GH E1	GH E1 WS 2022-06-07 NP	2022-06-20	13.2	< 0.0010	0.00023	0.00014	0.0353	< 0.020	< 0.000050	0.032		00144	161	< 0.00010	< 0.10	0.00021
GH E1	GH E1 WS 2022-07-04 NP	2022-07-08	9.4	< 0.0010	0.00014	0.00019	0.039	< 0.020	< 0.000050	0.027		00166	157	< 0.00010	< 0.10	0.00022
GH E1	GH E1 WS 2022-08-01 NP	2022-08-10	12.4	< 0.0020	< 0.00010	< 0.00020	0.02	< 0.040	< 0.000100	0.03		.0100	325	< 0.00020	0.00124	< 0.00040
GH E1	GH E1 WS 2022-09-05 NP	2022-09-22	15.3	0.0024	< 0.00020	< 0.00020	0.0164	< 0.040	< 0.000100	0.027		.0100	324	< 0.00020	0.00111	< 0.00040
GH E1	GH E1 WS 2022-10-03 NP	2022-10-07	12.2	< 0.0010	< 0.00010	0.00012	0.017	< 0.020	< 0.000050	0.029		.0050	337	< 0.00010	0.00114	< 0.00020
GH E3	GH E3 WS 2022-01-03 NP	2022-01-24	3.1	< 0.0010	0.00019	< 0.00010	0.0281	< 0.020	< 0.000050	0.021		00248	230	< 0.00050	0.0001	0.00076
GH E3	GH E3 WS 2022-02-07 NP	2022-02-14	7.6	< 0.0010	0.00026	0.00012	0.0219	< 0.020	< 0.000050	0.021	0.00	00501	173	< 0.00010	< 0.00010	0.00043
GH E3	GH E3 WS 2022-03-07 NP	2022-03-09	6.8	0.0019	0.00025	0.00017	0.0209	< 0.020	< 0.000050	0.02	0.00	00748	176	< 0.00010	< 0.10	0.0005
GH_E3	GH_E3_WS_2022-05-02_NP	2022-05-11	18.1	0.0021	0.00022	0.0002	0.0331	< 0.020	< 0.000050	0.022	0.00	00152	197	< 0.00010	0.00016	0.00041
GH_E3	GH_E3_WS_2022-06-07_NP	2022-06-23	8.6	0.0015	0.00016	0.00026	0.0285	< 0.020	< 0.000050	0.026	0.00	00062	183	< 0.00010	0.00012	0.00032
GH_E3	GH_E3_WS_2022-07-04_NP	2022-07-08	10.6	0.0019	0.00017	0.00037	0.0377	< 0.020	< 0.000050	0.032	0.00	00085	185	< 0.00010	< 0.10	0.00043
GH_E3	GH_E3_WS_2022-08-01_NP	2022-08-10	14.3	0.0027	< 0.00020	0.0005	0.0394	< 0.040	< 0.000100	0.034	< 0	.0100	215	< 0.00020	< 0.20	< 0.00040
GH_E3	GH_E3_WS_2022-09-05_NP	2022-09-27	7.3	0.0029	< 0.00020	0.00031	0.0354	< 0.040	< 0.000100	0.033	< 0	.0100	219	< 0.00020	< 0.20	0.00128
GH_E3	GH_E3_WS_2022-10-03_NP	2022-10-07	23.7	< 0.0010	0.00017	0.00043	0.0417	< 0.020	< 0.000050	0.027		.0050	234	< 0.00010	0.00015	< 0.00020
GH_SEEP_12	GH_SEEP_12_WS_2022-06-07_NP	2022-06-21	7.1	< 0.0010	< 0.00010	0.00019	0.12	< 0.020	< 0.000050	< 0.010		00129	55.8	0.00096	< 0.10	0.00027
GH_SEEP_12	GH_SEEP_12_WS_2022-09-06_NP	2022-09-20	12.4	< 0.0010	< 0.00010	0.00011	0.116	< 0.020	< 0.000050	< 0.010		00377	57.3	0.0005	< 0.10	< 0.00020
GH_SEEP_16	GH_SEEP_16_WS_2022-09-06_NP	2022-09-20	12.1	< 0.0010	< 0.00010	0.00021	0.058	< 0.020	< 0.000050	0.014		.0050	115	< 0.00010	< 0.10	< 0.00020
GH_SEEP_21	GH_SEEP_21_WS_2022-06-07_NP	2022-06-28	11.5	< 0.0020	< 0.00020	< 0.00020	0.0207	< 0.040	< 0.000100	< 0.020		00383	301	< 0.00020	< 0.20	0.001
GH_SEEP_21	GH_SEEP_21_WS_2022-09-06_NP	2022-09-20	0.7	< 0.0020	< 0.00020	< 0.00020	0.0202	< 0.040	< 0.000100	< 0.020		00252	362	< 0.00020	0.00032	< 0.00040
GH_SEEP_22	GH_SEEP_22_WS_2022-06-07_NP	2022-06-28	12.9	< 0.0020	< 0.00020	0.00024	0.0367	< 0.040	< 0.000100	< 0.020		00123	261	< 0.00020	0.00594	< 0.00040
GH_SEEP_22	GH_SEEP_22_WS_2022-09-06_NP	2022-09-20	4.55	< 0.0020	< 0.00020	< 0.00020	0.0152	< 0.040	< 0.000100	< 0.020		00384	324	< 0.00020	< 0.20	< 0.00040
GH_SEEP_46	GH_SEEP_46_WS_2022-06-07_NP	2022-06-24	4.1 5	0.0016 0.0012	0.0003	0.00027	0.0892	< 0.020	< 0.000050	< 0.010		00304 00111	131	< 0.00010	< 0.10 0.00038	0.00024 0.00023
GH_SEEP_5	GH_SEEP_5_WS_2022-06-07_NP	2022-06-23		0.0012	0.00016	0.00023	0.112	< 0.020	< 0.000050	0.015		00204	79.2	< 0.00010	0.00038	0.00023
GH_SEEP_5 GH_SEEP_50	GH_SEEP_5_WS_2022-09-06_NP GH_SEEP_50_WS_2022-06-07_NP	2022-09-22 2022-06-28	5.4 5.2	0.0015	0.00016 < 0.00020	0.0003 0.00025	0.094 0.0937	< 0.020 < 0.040	< 0.000050 < 0.000100	0.016 < 0.020		00271	89.9 48.5	< 0.00010 < 0.00020	< 0.20	0.00033
GH_SEEP_50 GH_SEEP_60	GH SEEP 50_WS_2022-06-07_NP	2022-06-29	7.2	0.026	< 0.00020	< 0.00025	0.0937	< 0.040	< 0.000100	< 0.020		00349	20.1	< 0.00020	< 0.20	0.00108
GH SEEP 76	GH SEEP 76 WS 2022-06-07 NP	2022-06-29	6.6	0.0024	0.00020	0.00020	0.0657	< 0.040	< 0.000100	< 0.020		00349	20.1	< 0.00020	0.00221	< 0.00040
GH SEEP 76	GH SEEP 76 WS 2022-06-07 NP	2022-06-29	6.4	0.0024	0.0017	0.00022	0.0037	< 0.040	< 0.000100	< 0.020		00173	257	< 0.00020	0.00221	0.00053
GH SEEP 77	GH SEEP 77 WS 2022-06-07 NP	2022-06-29	5.8	< 0.0020	0.00099	< 0.00021	0.0727	< 0.040	< 0.000100	< 0.020		00173	290	< 0.00020	0.00103	0.00046
GH SEEP 77	GH SEEP 77 WS 2022-00-07 NF	2022-09-27	6.4	0.0059	< 0.00099	0.00020	0.0733	< 0.040	< 0.000100	0.032		00088	322	< 0.00020	0.000143	0.00065
GH SEEP 79	GH SEEP 79 WS 2022-06-07 NP	2022-06-29	-	0.0032	0.00054	0.00021	0.0494	< 0.040	< 0.000100	0.002		00451	275	< 0.00020	< 0.20	< 0.00040
GH SEEP 79	GH SEEP 79 WS 2022-09-06 NP	2022-09-27	19.1	0.0281	0.00024	0.00039	0.0962	< 0.020	< 0.000100	0.481		.0050	41.8	< 0.00010	< 0.10	0.00074
GH SEEP 98	GH SEEP 98 WS 2022-06-07 NP	2022-06-29	13.2	< 0.0020	< 0.00020	< 0.00020	0.0439	< 0.040	< 0.000100	< 0.020		00326	170	< 0.00020	< 0.20	< 0.00040
GH SEEP 98	GH SEEP 98 WS 2022-09-06 NP	2022-09-28	14.4	< 0.0010	< 0.00010	0.00014	0.0277	< 0.020	< 0.000050	0.015		00301	190	< 0.00010	< 0.10	< 0.00020
GH_W-SEEP	GH_W_SEEP_WS_2022-04-04_NP	2022-04-20	11.2	0.0024	< 0.00020	< 0.00020	0.00963	< 0.040	< 0.000100	< 0.020	< 0	.0100	261	< 0.00020	< 0.20	< 0.00040
GH_W-SEEP	GH_W-SEEP_WS_2022-08-01_NP	2022-08-23	9.2	0.0068	< 0.00050	0.00137	0.0284	< 0.100	< 0.000250	< 0.050	< 0	.0250	462	< 0.00050	0.00116	< 0.00100
GH_WTDS	GH_WTDS_WS_2022-01-03_NP	2022-01-26	10.1	-	-	-	-		-			-		-	-	
GH_WTDS	GH_WTDS_WS_2022-02-07_NP	2022-02-14	9.6	< 0.0010	0.00025	< 0.00010	0.0365	< 0.020	< 0.000050	0.046		0031	139	< 0.00010	0.00113	0.00042
GH_WTDS	GH_WTDS_WS_2022-03-07_NP	2022-03-07		0.0014	0.00013	< 0.00010	0.0359	< 0.020	< 0.000050	0.042		00283	136			0.00052
GH_WTDS	GH_WTDS_WS_2022-04-04_NP	2022-04-06		0.0017	0.0002	< 0.00010	0.0344	< 0.020	< 0.000050	0.047		00271	134	< 0.00010	0.00113	0.00052
GH_WTDS	GH_WTDS_WS_2022-05-02_NP	2022-05-06	6.5	0.0044	0.00017	< 0.00010	0.0342	< 0.020	< 0.000050	0.045		00273	137	< 0.00010	0.00094	0.00054
GH_WTDS	GH_WTDS_WS_2022-06-06_NP	2022-06-09		< 0.0010	0.00014	< 0.00010	0.0327	< 0.020	< 0.000050	0.042		00253	128	< 0.00010	0.00087	0.00039
GH_WTDS	GH_WTDS_WS_2022-07-04_NP	2022-07-19		< 0.0010	0.00017	0.00011	0.0406	< 0.020	< 0.000050	0.047		00337	143	< 0.00010	0.00092	0.00057
GH_WTDS	GH_WTDS_WS_2022-08-01_NP	2022-08-05		< 0.0010	0.00013	< 0.00010	0.0372	< 0.020	< 0.000050	0.05		00556	130	< 0.00010	0.00088	0.00057
GH_WTDS	GH_WTDS_WS_2022-09-05_NP	2022-09-20		< 0.0010	0.00011	< 0.00010	0.0344	< 0.020	< 0.000050	0.047		0024	128			0.0003
GH_WTDS	GH_WTDS_WS_2022-10-03_NP	2022-10-07	22.9	< 0.0010	0.00011	< 0.00010	0.037	< 0.020	< 0.000050	0.05	0.00	00117	128	< 0.00010	0.00098	0.00027

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX B - TABLE 2: Summary of Analytical Results for Dissolved Metals

										DISSOIVE	ed Metals							ļ
Sample	Sample	Sample Date H	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/	L mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Greenhills Operation GH E1	GH E1 WS 2022-01-03 NP	2022-01-24 17.9	0.243	< 0.000100	0.0478	182	0.0544	0.00799	3.64	0.389	< 0.000020	8.25	0.37	< 0.000020	< 0.00020	< 0.00060	0.00697	0.0023
GH E1	GH E1 WS 2022-01-03 NP	2022-01-24 14.1	_	< 0.000100	0.0532	109	0.00413	0.00733	4.14	4.54	< 0.000010	8.9	0.294	< 0.000010	< 0.00010	< 0.00030	0.0074	< 0.0010
GH_E1	GH_E1_WS_2022-03-07_NP	2022-03-09 9.3		< 0.000050	0.0487	102	0.0102	0.00265	4	1.89	< 0.000010	9.22	0.29	< 0.000010	< 0.00010	< 0.00030	0.00798	0.0015
GH_E1	GH_E1_WS_2022-04-04_NP	2022-04-20 6	0.265	< 0.000100	0.0485	214	0.11	0.0125	4.02	0.256	< 0.000020	8.24	0.485	< 0.000020	< 0.00020	< 0.00060	0.00892	0.0093
GH_E1	GH_E1_WS_2022-05-09_NP	2022-05-12 6.7	_	< 0.000050	0.0656	112	0.0197	0.00264	4.64	4.18	< 0.000010	8.63	0.315	0.000015	< 0.00010	< 0.00030	0.0078	< 0.0010
GH_E1	GH_E1_WS_2022-06-07_NP GH_E1_WS_2022-07-04_NP	2022-06-20 13.2 2022-07-08 9.4	_	< 0.000050 < 0.000050	0.0588 0.0708	126 126	0.0181 0.0256	0.00265 0.00288	4.18 4.75	4.36 4.16	< 0.000010 < 0.000010	8.78 9.47	0.298 0.327	< 0.000010 0.000024	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00672 0.00706	< 0.0010 < 0.0010
GH E1	GH E1 WS 2022-07-04 NP	2022-07-06 9.4		< 0.000100	0.0708	250	0.0256	0.00288	4.75	0.168	< 0.000010	9.47	0.327	< 0.000024	< 0.00010	< 0.00060	0.00706	0.0054
GH E1	GH E1 WS 2022-09-05 NP	2022-09-22 15.3	_	< 0.000100	0.06	212	0.102	0.00878	4.28	0.182	< 0.000020	8.54	0.435	< 0.000020	< 0.00020	< 0.00060	0.00791	0.0039
GH_E1	GH_E1_WS_2022-10-03_NP	2022-10-07 12.2	0.065	< 0.000050	0.0617	211	0.116	0.00911	4.52	0.321	< 0.000010	9.74	0.463	< 0.000010	< 0.00010	< 0.00030	0.00817	0.0018
GH_E3	GH_E3_WS_2022-01-03_NP	2022-01-24 3.1	_	< 0.000050	0.0548	162	0.0058	0.00404	4.57	2.19	< 0.000010	7.36	0.29	0.000015	< 0.00010	< 0.00030	0.00941	0.0068
GH_E3	GH_E3_WS_2022-02-07_NP	2022-02-14 7.6		< 0.000050	0.0514	114	0.0049	0.00363	3.26	14.8	< 0.000010	5.92	0.338	< 0.000010	< 0.00010	< 0.00030	0.00585	0.0024
GH_E3 GH E3	GH_E3_WS_2022-03-07_NP GH_E3_WS_2022-05-02_NP	2022-03-09 6.8 2022-05-11 18.1	_	< 0.000050 < 0.000050	0.0499 0.0618	115 190	0.00671 0.0252	0.00392 0.00362	3.39 4.74	12.6 2.95	< 0.000010 < 0.000020	6.13 7.27	0.33 0.335	0.000011 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.007 0.00903	0.002 < 0.0010
GH E3	GH E3 WS 2022-06-07 NP	2022-05-11 10.	_	< 0.000050	0.0637	170	0.0232	0.00302	4.49	2.05	< 0.000020	6.9	0.306	0.000010	< 0.00010	< 0.00030	0.0076	< 0.0010
GH_E3	GH_E3_WS_2022-07-04_NP	2022-07-08 10.6		< 0.000050	0.0701	207	0.0112	0.00354	4.95	1.31	< 0.000010	7.86	0.312	0.000019	< 0.00010	< 0.00030	0.00744	< 0.0010
GH_E3	GH_E3_WS_2022-08-01_NP	2022-08-10 14.3	< 0.020	< 0.000100	0.0832	266	0.0317	0.00475	6.46	0.6	< 0.000020	9.59	0.331	0.000023	< 0.00020	< 0.00060	0.00855	< 0.0020
GH_E3	GH_E3_WS_2022-09-05_NP	2022-09-27 7.3		< 0.000100	0.0877	284	0.00198	0.00354	6.3	0.453	< 0.000020	9.77	0.398	< 0.000020	< 0.00020	< 0.00060	0.0101	< 0.0020
GH_E3	GH_E3_WS_2022-10-03_NP	2022-10-07 23.7		< 0.000050	0.0812	225	0.0785	0.00444	5.85	0.686	< 0.000010	9.25	0.345	< 0.000010	< 0.00010	< 0.00030	0.0089	< 0.0010
GH_SEEP_12 GH_SEEP_12	GH_SEEP_12_WS_2022-06-07_NP GH_SEEP_12_WS_2022-09-06_NP	2022-06-21 7.1 2022-09-20 12.4	_	< 0.000050 < 0.000050	< 0.0010 < 0.0010	23.8 23.6	0.00011 0.00094	0.0009 0.00112	0.362 0.344	2.98 5.37	< 0.000010 < 0.000010	0.531 0.522	0.036 0.0423	< 0.000010 0.000016	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00133 0.00183	0.0078 0.0048
GH SEEP 16	GH SEEP 16 WS 2022-09-06 NP	2022-09-20 12.1		< 0.000050	0.0084	45.1	0.0286	0.00073	0.933	25.2	< 0.000010	2.84	0.226	< 0.000010	< 0.00010	< 0.00030	0.00046	< 0.0010
GH_SEEP_21	GH_SEEP_21_WS_2022-06-07_NP	2022-06-28 11.5		< 0.000100	0.0622	206	< 0.00020	0.00349	4.99	96.9	< 0.000020	4.66	0.212	0.000023	< 0.00020	< 0.00060	0.00826	0.0227
GH_SEEP_21	GH_SEEP_21_WS_2022-09-06_NP	2022-09-20 0.7		< 0.000100	0.0698	215	0.817	0.0115	5.74	0.97	< 0.000020	6.67	0.266	0.000026	< 0.00020	< 0.00060	0.00473	0.0138
GH_SEEP_22	GH_SEEP_22_WS_2022-06-07_NP	2022-06-28 12.9	_	< 0.000100	0.0521	176	1.64	0.0107	4.94	1.05	< 0.000020	6.61	0.168	0.00004	< 0.00020	< 0.00060	0.00468	0.0098
GH_SEEP_22	GH_SEEP_22_WS_2022-09-06_NP	2022-09-20 4.55		< 0.000100	0.0588	211 59.6	0.239	0.00293 0.00164	5.18	4.28 190	< 0.000020	8.07 4.1	0.201 0.176	< 0.000020	< 0.00020 < 0.00010	< 0.00060	0.00764	0.0054
GH_SEEP_46 GH_SEEP_5	GH_SEEP_46_WS_2022-06-07_NP GH_SEEP_5_WS_2022-06-07_NP	2022-06-24 4.1 2022-06-23 5		< 0.000050 < 0.000050	0.0077	31.6	0.00027 0.00805	0.00164	1.65 1.92	2.73	< 0.000010 < 0.000010	5.48	0.176	0.000033 0.000018	< 0.00010	< 0.00030 < 0.00030	0.00196 0.000415	0.0038 0.0036
GH SEEP 5	GH SEEP 5 WS 2022-09-06 NP	2022-09-22 5.4		< 0.000050	0.0164	34.8	0.006	0.00443	1.88	3.02	< 0.000010	5.2	0.194	0.000016	< 0.00010	< 0.00030	0.000633	0.0057
GH_SEEP_50	GH_SEEP_50_WS_2022-06-07_NP	2022-06-28 5.2		< 0.000100	0.0052	12.8	0.00389	0.00151	1.26	0.34	< 0.000020	17.3	0.21	< 0.000020	< 0.00020	< 0.00060	0.000325	< 0.0020
GH_SEEP_60	GH_SEEP_60_WS_2022-06-07_NP	2022-06-29 7.2		< 0.000100	< 0.0020	5.61	0.00453	< 0.00100	0.539	0.296	< 0.000020	1.65	0.0866	< 0.000020	< 0.00020	< 0.00060	0.000033	< 0.0020
GH_SEEP_76	GH_SEEP_76_WS_2022-06-07_NP	2022-06-29 6.6		< 0.000100	0.137	108	0.00202	0.0354	2.85	476	< 0.000020	8.37	0.526	< 0.000020	< 0.00020	< 0.00060	0.0114	0.007
GH_SEEP_76 GH_SEEP_77	GH_SEEP_76_WS_2022-09-06_NP GH_SEEP_77_WS_2022-06-07_NP	2022-09-27 6.4 2022-06-29 5.8	_	< 0.000100 < 0.000100	0.169 0.0904	174 125	0.00123 0.0118	0.0604 0.0409	4.26 3.03	676 443	< 0.000020 < 0.000020	7.4 7.53	0.811 0.893	< 0.000020 < 0.000020	< 0.00020 < 0.00020	< 0.00060 < 0.00060	0.0158 0.00834	< 0.0020 0.007
GH SEEP 77	GH SEEP 77 WS 2022-00-07 NP	2022-00-29 5.6		< 0.000100	0.0904	142	0.0118	0.00063	1.3	185	< 0.000020	26.1	1.3	0.000027	< 0.00020	< 0.00030	0.00834	< 0.0020
GH_SEEP_79	GH_SEEP_79_WS_2022-06-07_NP	2022-06-29 -	< 0.020	< 0.000100	0.162	225	0.0123	0.0282	4.63	87.1	< 0.000020	30.2	0.437	< 0.000020	< 0.00020	< 0.00060	0.0143	0.0026
GH_SEEP_79	GH_SEEP_79_WS_2022-09-06_NP	2022-09-27 19.1	_	< 0.000050	0.37	25.1	0.00019	< 0.00050	2.38	0.838	< 0.000010	169	2.28	0.000023	< 0.00010	0.00107	0.000506	< 0.0010
GH_SEEP_98	GH_SEEP_98_WS_2022-06-07_NP	2022-06-29 13.2	_	< 0.000100	0.0132	58.6	0.0149	< 0.00100	1.63	11.6	< 0.000020	19.6	0.302	< 0.000020	< 0.00020	< 0.00060	0.00193	< 0.0020
GH_SEEP_98 GH_W-SEEP	GH_SEEP_98_WS_2022-09-06_NP GH_W_SEEP_WS_2022-04-04_NP	2022-09-28 14.4 2022-04-20 11.2		< 0.000050 < 0.000100	0.0111 0.0326	64.2 277	0.00826 0.0133	0.00058 < 0.00100	1.63 6.44	14.9 2.66	< 0.000010 < 0.000020	13.6 4.38	0.376 0.175	< 0.000010 < 0.000020	< 0.00010 < 0.00020	< 0.00030 < 0.00060	0.00184 0.00332	< 0.0010 < 0.0020
GH_W-SEEP	GH_W_SEEP_WS_2022-04-04_NP GH_W-SEEP_WS_2022-08-01_NP	2022-04-20 11.2		< 0.000100	0.0555	458	3.68	0.00516	7.96	< 0.250	< 0.000020	4.36	0.175	< 0.000050	< 0.00020	< 0.00060	0.00332	< 0.0020
GH WTDS	GH WTDS WS 2022-01-03 NP	2022-00-26 10.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_WTDS	GH_WTDS_WS_2022-02-07_NP	2022-02-14 9.6		0.000089	0.0497	49	0.00021	0.00737	2.43	5.3	< 0.000010	15.8	0.761	0.000043	< 0.00010	< 0.00030	0.00325	0.014
GH_WTDS	GH_WTDS_WS_2022-03-07_NP	2022-03-07 6.2		0.000075	0.0472	46.7	0.00016	0.00702	2.5	4.35	< 0.000010	16.4	0.708	0.000026	< 0.00010	< 0.00030	0.00338	0.0126
GH_WTDS	GH_WTDS_WS_2022-04-04_NP	2022-04-06 7.1		0.000082	0.0532	51.7	0.00046	0.00784	2.75	21.6	< 0.000010	16.6	0.738	0.000029	< 0.00010	< 0.00030	0.00364	0.0126
GH_WTDS GH_WTDS	GH_WTDS_WS_2022-05-02_NP GH_WTDS_WS_2022-06-06_NP	2022-05-06 6.5 2022-06-09 5.3		0.000078 0.000068	0.0475 0.0477	45.5 42.9	0.0002 0.00018	0.00768 0.00674	2.42	10.1 7.82	< 0.000010 < 0.000010	14.5 14.8	0.746 0.69	0.000032 0.000028	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.0034 0.00323	0.0128 0.012
GH WTDS	GH WTDS WS 2022-06-06 NP	2022-06-09 5.5		0.000068	0.0477	55.8	0.00018	0.00674	2.46	18.1	< 0.000010	15.7	0.763	0.000028	< 0.00010	< 0.00030	0.00323	0.012
GH_WTDS	GH_WTDS_WS_2022-08-01_NP	2022-08-05 7.5		0.00007	0.0478	52.8	0.0132	0.0139	2.4	9.57	< 0.000010	15.1	0.695	0.000051	< 0.00010	< 0.00030	0.00356	0.0329
GH_WTDS	GH_WTDS_WS_2022-09-05_NP	2022-09-20 6.5		< 0.000050	0.0485	48.4	0.00266	0.00994	2.44	8.66	< 0.000010	14.6	0.704	0.000045	< 0.00010	< 0.00030	0.00342	0.0102
GH WTDS	GH WTDS WS 2022-10-03 NP	2022-10-07 22.9	< 0.010	< 0.000050	0.0528	48.1	0.00025	0.00799	2.64	8.39	< 0.000010	17.4	0.71	0.000043	< 0.00010	< 0.00030	0.00328	0.0043

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX B - TABLE 2: Summary of Analytical Results for Dissolved Metals

			Г						Dissolve	ed Metals						
Sample	Sample	Sample Date	Hardness	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	-	Cadmium	Calcium	Chromium	Cobalt	Copper
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	m	g/L	mg/L	mg/L	mg/L	mg/L
				Acute							Acute	Chronic				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a 0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a	0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Line Creek Operation	LO OVAL WO OPPINO COOL ND	0000 00 00		0.0153	0.00007	0.00000	0.500	. 0 000	. 0 000050	0.040	0.000	00093	1 04	. 0 00040	.040	0.00029
LC_3KM LC_3KM	LC 3KM_WS_SPRING-2022_NP LC 3KM_WS_FALL-2022_NP	2022-06-29 2022-09-26	3.9 7.8	0.0153	0.00037 0.00033	0.00028 0.00033	0.566 0.697	< 0.020 < 0.020	< 0.000050 < 0.000050	0.043 0.048		0050	64 61.8	< 0.00010 < 0.00010	< 0.10 < 0.10	0.00029
LC_SKW LC_SEEP1	LC SKM WS FALL-2022 NP	2022-09-28		0.0015	0.00033	0.00033	0.097	< 0.020	< 0.000050	0.046		0050	66.8	< 0.00010	< 0.10	0.00024
LC SEEP10	LC SEEP10 WS SPRING-2022 NP	2022-03-23	11.8	< 0.0010	< 0.00010	0.00013	0.125	< 0.020	< 0.000050	0.034		00385	209	< 0.00010	0.00417	0.00032
LC SEEP10	LC SEEP10 WS FALL-2022 NP	2022-07-00	4.3	0.0013	< 0.00010	0.00029	0.162	< 0.020	< 0.000050	0.032		00278	219	< 0.00010	0.00362	< 0.00020
LC SEEP11	LC SEEP11 WS SPRING-2022 NP	2022-07-08	5.2	< 0.0010	< 0.00010	< 0.00010	0.162	< 0.020	< 0.000050	0.021		00119	150	< 0.00010	< 0.10	< 0.00020
LC SEEP11	LC SEEP11 WS FALL-2022 NP	2022-09-16	-	0.0011	< 0.00010	< 0.00010	0.157	< 0.020	< 0.000050	0.02	0.00	00083	148	< 0.00010	< 0.10	< 0.00020
LC SEEP14	LC SEEP14 WS SPRING-2022 NP	2022-06-29	-	0.0073	0.00024	< 0.00010	0.052	< 0.020	< 0.000050	0.014	0.00	00263	103	0.00014	< 0.10	< 0.00020
LC_SEEP15	LC_SEEP15_WS_SPRING-2022_NP	2022-06-29	- 1	0.0014	< 0.00010	< 0.00010	0.0508	< 0.020	< 0.000050	< 0.010	0.00	00196	128	0.00016	< 0.10	0.00024
LC_SEEP15	LC_SEEP15_WS_FALL-2022_NP	2022-09-23	-	< 0.0010	< 0.00010	< 0.00010	0.0421	< 0.020	< 0.000050	< 0.010	0.00	00074	130	0.00014	< 0.10	< 0.00020
LC_SEEP19	LC_SEEP19_WS_SPRING-2022_NP	2022-06-29	-	0.0011	0.00017	0.00012	0.0329	< 0.020	< 0.000050	< 0.010		0118	75.2	0.00012	< 0.10	0.00026
LC_SEEP19	LC_SEEP19_WS_FALL-2022_NP	2022-09-26	-	< 0.0010	0.00022	0.00015	0.0685	< 0.020	< 0.000050	0.014		00287	152	0.00022	< 0.10	< 0.00020
LC_SEEP2	LC_SEEP2_WS_SPRING-2022_NP	2022-06-29	-	< 0.0010	< 0.00010	< 0.00010	0.203	< 0.020	< 0.000050	< 0.010		00287	93.8	0.00019	< 0.10	0.00021
LC_SEEP2	LC_SEEP2_WS_FALL-2022_NP	2022-09-26	-	< 0.0010	< 0.00010	< 0.00010	0.141	< 0.020	< 0.000050	< 0.010		00158	67.6	0.00032	< 0.10	< 0.00020
LC_SEEP8	LC_SEEP8_WS_SPRING-2022_NP	2022-06-28	-	0.0163	0.00034	0.00043	0.131	< 0.020	< 0.000050	< 0.010		00369	40.6	0.00014	0.0001	0.00128
LC_SEEP8	LC_SEEP8_WS_FALL-2022_NP	2022-09-20	-	0.0804	0.00065	0.00091	0.135	< 0.040	< 0.000100	< 0.020		00612	30	0.0004	< 0.20	0.00481
LC_UDHP	LC_UDHP_WS_SPRING-2022_NP	2022-06-23	-	0.0025	0.00033	0.00034	0.194	< 0.020	< 0.000050	< 0.010		00604	70	0.00014	< 0.10	0.00042
LC_UDHP	LC_UDHP_WS_FALL-2022_NP	2022-09-26	-	0.001	0.00044	0.00031	0.444	< 0.020	< 0.000050	0.014		0014	137	< 0.00010	< 0.10	< 0.00020
LC_UDP1	LC_UDP1_WS_SPRING-2022_NP	2022-06-23	-	0.0013	0.00019	0.00034	0.217	< 0.020	< 0.000050	< 0.010		00105	77.1	0.0003	< 0.10	0.00046
LC_UDP1	LC_UDP1_WS_FALL-2022_NP	2022-09-26	-	< 0.0010	0.00023	0.00043	0.202	< 0.020	< 0.000050	0.014		00226	55.5	0.00042	< 0.10	0.00023
LC_WLC_LOT2	LC_WLC_LOT2_WS_SPRING-2022_NP	2022-07-08	-	0.0011	0.00046	0.00018	0.0192	< 0.020	< 0.000050	0.023		0158	194	< 0.00010	< 0.10	0.00082
LC_WLC_LOT2	LC_WLC_LOT2_WS_FALL-2022_NP	2022-09-23	-	0.0014	0.0005	0.00031	0.0613	< 0.020	< 0.000050	0.052	0.00	0489	263	< 0.00010	< 0.10	0.00058

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX B - TABLE 2: Summary of Analytical Results for Dissolved Metals

											Dissolve	ed Metals							
Sample Location	Sample ID	Sample Date		<u>02</u>	Lead	E Cithic ma/L	Magnesium	Manganese	Mickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium Tranium	Zinc
Location	10	(mm/dd/yyyy) m	y/L	mg/L	mg/L	IIIg/L	iiig/L	mg/L	IIIg/L	mg/L	μg/L	mg/L	mg/L	IIIg/L	mg/L	mg/L	mg/L	mg/∟	mg/L
BC WQG FWAL		n	/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Line Creek Operation		•	•				•								•		•		
LC_3KM	LC_3KM_WS_SPRING-2022_NP	2022-06-29 3	.9	< 0.010	< 0.000050	0.154	28.4	0.00017	0.00087	6.86	1.83	< 0.000010	15.8	0.227	0.000019	< 0.00010	< 0.00030	0.0025	< 0.0010
LC_3KM	LC_3KM_WS_FALL-2022_NP	2022-09-26 7	.8	< 0.010	< 0.000050	0.227	38.5	< 0.00010	0.00074	9.48	0.886	< 0.000010	26.4	0.277	0.000017	< 0.00010	< 0.00030	0.00334	< 0.0010
LC_SEEP1	LC_SEEP1_WS_FALL-2022_NP	2022-09-23 5	.5	< 0.010	< 0.000050	0.424	39.3	0.00022	0.00083	4.28	0.794	< 0.000010	72.4	0.294	< 0.000010	< 0.00010	< 0.00030	0.002	0.0026
LC_SEEP10	LC_SEEP10_WS_SPRING-2022_NP	2022-07-08 11	1.8	0.912	< 0.000050	0.0413	63.1	0.237	0.00731	3.34	0.27	< 0.000010	16.6	0.516	< 0.000010	< 0.00010	< 0.00030	0.00128	0.0049
LC_SEEP10	LC_SEEP10_WS_FALL-2022_NP		.3	0.843	< 0.000050	0.0365	71.9	0.252	0.00741	3.72	0.152	< 0.000010	17.8	0.529	< 0.000010	< 0.00010	< 0.00030	0.00137	0.0032
LC_SEEP11	LC_SEEP11_WS_SPRING-2022_NP			< 0.010	< 0.000050	0.0238	55.4	0.00357	< 0.00050	2.04	2.36	< 0.000010	18.7	0.519	< 0.000010	< 0.00010	< 0.00030	0.00312	< 0.0010
LC_SEEP11	LC_SEEP11_WS_FALL-2022_NP	2022-09-16		< 0.010	< 0.000050	0.0232	57.9	0.00418	< 0.00050	2.07	2.36	< 0.000010	19.1	0.531	< 0.000010	< 0.00010	< 0.00030	0.0029	< 0.0010
LC_SEEP14	LC_SEEP14_WS_SPRING-2022_NP	2022-06-29		< 0.010	< 0.000050	0.0374	51.2	< 0.00010	0.00073	1.49	62.6	< 0.000010	6.65	0.191	< 0.000010	< 0.00010	< 0.00030	0.00323	< 0.0010
LC_SEEP15	LC_SEEP15_WS_SPRING-2022_NP	2022-06-29	_	< 0.010	< 0.000050	0.0092	51	0.00014	< 0.00050	0.905	126	< 0.000010	1.31	0.108	< 0.000010	< 0.00010	< 0.00030	0.00257	< 0.0010
LC_SEEP15	LC_SEEP15_WS_FALL-2022_NP	2022-09-23		< 0.010	< 0.000050	0.009	59.2	< 0.00010	< 0.00050	0.968	143	< 0.000010	1.33	0.105	< 0.000010	< 0.00010	< 0.00030	0.00304	< 0.0010
LC_SEEP19	LC_SEEP19_WS_SPRING-2022_NP	2022-06-29	_	< 0.010	< 0.000050	0.0093	35	< 0.00010	0.00642	1.08	44.4	< 0.000010	0.896	0.121	< 0.000010	< 0.00010	< 0.00030	0.00375	0.008
LC_SEEP19	LC_SEEP19_WS_FALL-2022_NP	2022-09-26	_	< 0.010	< 0.000050	0.0165	88.1	< 0.00010	0.0167	1.93	87.4	< 0.000010	1.9	0.243	< 0.000010	< 0.00010	< 0.00030	0.00843	0.0169
LC_SEEP2	LC_SEEP2_WS_SPRING-2022_NP	2022-06-29	_	< 0.010	< 0.000050	0.0067	24.9	0.00028	< 0.00050	0.829	5.55	< 0.000010	4	0.166	< 0.000010	< 0.00010	< 0.00030	0.00114	0.0014
LC_SEEP2	LC_SEEP2_WS_FALL-2022_NP	2022-09-26		< 0.010	< 0.000050	0.0049	20.9	0.00014	< 0.00050	0.694	2.05	< 0.000010	2.72	0.124	< 0.000010	< 0.00010	< 0.00030	0.000951	< 0.0010
LC_SEEP8	LC_SEEP8_WS_SPRING-2022_NP	2022-06-28	-	0.022	< 0.000050	0.001	16.5	0.00115	0.00184	0.787	0.495	0.000013	0.964	0.0647	< 0.000010	< 0.00010	0.00143	0.00121	< 0.0010
LC_SEEP8	LC_SEEP8_WS_FALL-2022_NP	2022-09-20	-	0.142	0.000133	< 0.0020	15.2	0.00145	0.00644	1.52	0.874	0.000023	1.5	0.051	0.000039	< 0.00020	0.0167	0.00122	0.0024
LC_UDHP	LC_UDHP_WS_SPRING-2022_NP	2022-06-23		< 0.010	< 0.000050	0.0086	20.4	0.00024	0.00089	1.56	10.4	< 0.000010	1.67	0.0886	< 0.000010	< 0.00010	< 0.00030	0.00115	0.0014
LC_UDHP	LC_UDHP_WS_FALL-2022_NP	2022-09-26		< 0.010	< 0.000050	0.0269	51	0.00205	0.00126	2.71	105	< 0.000010	7.68	0.198	< 0.000010	< 0.00010	< 0.00030	0.00186	0.0026
LC_UDP1	LC_UDP1_WS_SPRING-2022_NP	2022-06-23	_	< 0.010	< 0.000050	0.0078	19.3	0.00016	< 0.00050	1.4	1.57	< 0.000010	1.8	0.107	< 0.000010	< 0.00010	< 0.00030	0.00116	0.0022
LC_UDP1	LC_UDP1_WS_FALL-2022_NP	2022-09-26		< 0.010	< 0.000050	0.0148	15.8	0.00016	< 0.00050	1.25	3.2	< 0.000010	2.53	0.0726	< 0.000010	< 0.00010	< 0.00030	0.000529	< 0.0010
LC_WLC_LOT2	LC_WLC_LOT2_WS_SPRING-2022_NP	2022-07-08		< 0.010	< 0.000050	0.0307	124	0.00047	0.0264	2.52	256	< 0.000010	3.34	0.249	0.00003	< 0.00010	< 0.00030	0.00876	0.065
LC_WLC_LOT2	LC_WLC_LOT2_WS_FALL-2022_NP	2022-09-23	-	< 0.010	< 0.000050	0.0584	108	0.00023	0.0119	2.41	105	< 0.000010	16.5	1.55	0.000017	< 0.00010	< 0.00030	0.00409	0.0199

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX B - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						
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Sample	Sample	Sample Date	Har	ā	Ę.	ĽŠ	a	l e	3isr	Ď	ad	ĕ	Ė	Š	ğ	l e	e a
Location	ID	(mm/dd/yyyy)		mg/L	mg/L	ma/L	ma/L	ma/L	ma/L	mg/L	mg/L	mg/L	mg/L	mg/L	ma	<u> </u>	ma/L
Location	ib	(IIIII/dd/yyyy)	mg/L	IIIg/∟	mg/L	IIIg/L	ilig/L ပ	.ug/L	IIIg/L	ilig/L	IIIg/L	my/L	IIIg/L		mg		ilig/L
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BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Coal Mountain Mine	OM 27DIT CEED E MIC 2022 07 27 ND	2022 07 07	700	0.0440	4.0.00000	0.00001	0.0005	- 0 040	10.000400	0.050	0.000400	404	10,00000	0.0202	10.00400	0.000	< 0.000100
CM_37PIT-SEEP-E	CM_37PIT-SEEP-E_WS_2022-07-07_NP CM_37PIT-SEEP-E_WS_2022-09-02_NP	2022-07-07	709 476	0.0112 0.0067	< 0.00020 < 0.00010	0.00031	0.0235	< 0.040	< 0.000100 < 0.000050	0.256 0.289	0.000108	194 123	< 0.00020	0.0202 0.00088	< 0.00100	0.828	< 0.000100 < 0.000050
CM_37PIT-SEEP-E CM_37PIT-SEEP-W	CM_37PIT-SEEP-E_WS_2022-09-02_NP CM_37PIT-SEEP-W_WS_2022-07-07_NP	2022-09-28	476	< 0.0067	< 0.00010	0.0003	0.0253 0.0361	< 0.020 < 0.040	< 0.000050	0.289	0.0000089 0.0000253	123	< 0.00010 < 0.00020	0.00088 0.00474	< 0.00050 < 0.00100	0.517 0.886	< 0.000050 < 0.000100
CM_37PIT-SEEP-W	CM_37PIT-SEEP-W_WS_2022-07-07_NP CM_37PIT-SEEP-W_WS_2022-09-02_NP	2022-07-07	180	< 0.0060	< 0.00020	0.00032	0.0361	< 0.040	< 0.000100	0.363	< 0.0050	60.5	< 0.00020	0.00474	< 0.00100	0.886	< 0.000100
CM_37PIT-SEEP-W	CM_37PIT-SEEP-W_WS_2022-09-02_NP CM_CCDS_WS_2022-07-20_NP	2022-09-28	300	0.006	0.00010	0.00017	0.0432	< 0.020	< 0.000050	0.285	0.0000283	69.2	0.00029	< 0.10	< 0.00050	< 0.010	< 0.000050
CM CS1	CM CS1 WS 2022-07-20 NP	2022-06-16	365	0.006	< 0.00014	0.00034	0.0365	< 0.020	< 0.000050	< 0.012	0.0000283	82.4	0.00029	< 0.10	< 0.00050	0.016	< 0.000050
CM CS1	CM CS1 WS 2022-07-20 NP	2022-00-10	314	0.007	< 0.00010	0.00043	0.0503	< 0.020	< 0.000050	< 0.010	0.0000103	65.9	0.00027	< 0.10	< 0.00050	< 0.010	< 0.000050
CM MM-SEEP1	CM_CS1_WS_2022-03-02_N1 CM_MM-SEEP1_WS_2022-07-20_NP	2022-09-15	614	0.0032	0.00022	0.0003	0.0583	< 0.020	< 0.000050	0.083	0.000019	116	< 0.00023	< 0.10	< 0.00050	< 0.010	< 0.000050
CM MM-SEEP1	CM MM-SEEP1 WS 2022-09-02 NP	2022-09-15	490	0.0032	0.00022	< 0.00010	0.0791	< 0.020	< 0.000050	0.003	0.0000333	99.4	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
CM MM-SEEP3	CM MM-SEEP3 WS 2022-07-20 NP	2022-06-16	1020	0.0194	0.00022	0.00063	0.0602	< 0.020	< 0.000050	0.069	0.0000131	242	0.00010	0.0003	< 0.00050	0.195	< 0.000050
CM MM-SEEP3	CM MM-SEEP3 WS 2022-09-02 NP	2022-09-15	976	0.006	< 0.0001	0.00058	0.053	< 0.020	< 0.000050	0.073	< 0.0050	213	< 0.00010	0.0004	< 0.00050	0.099	< 0.000050
CM MM-SEEP5	CM MM-SEEP5 WS 2022-07-20 NP	2022-06-16	791	0.0704	< 0.00010	0.00023	0.0293	0.00014	< 0.000050	0.06	0.000817	174	< 0.00010	0.00913	0.00163	0.144	< 0.000050
CM MM-SEEP5	CM MM-SEEP5 WS 2022-09-02 NP	2022-09-15	581	0.0139	< 0.00010	0.00015	0.0316	0.000033	< 0.000050	0.064	0.000147	135	< 0.00010	0.00048	< 0.00050	0.025	< 0.000050
CM NS1	CM NS1 WS 2022-07-20 NP	2022-06-16	1380	0.01	0.00024	0.00026	0.0281	< 0.020	< 0.000050	0.028	0.000153	246	0.0001	0.00019	< 0.00050	0.042	< 0.000050
CM NS1	CM NS1 WS 2022-09-02 NP	2022-09-14	1650	0.0109	0.00021	0.0002	0.0184	< 0.040	< 0.000100	0.03	0.00017	270	< 0.00020	0.00037	< 0.00100	0.069	< 0.000100
CM NS4	CM NS4 WS 2022-07-20 NP	2022-06-16	768	0.0112	0.00026	0.0002	0.026	< 0.020	< 0.000050	0.059	0.00013	160	0.00011	< 0.10	< 0.00050	0.013	< 0.000050
CM_NS4	CM_NS4_WS_2022-09-02_NP	2022-09-14	1100	< 0.0060	< 0.00020	< 0.00020	0.0305	< 0.040	< 0.000100	0.111	0.000133	235	< 0.00020	0.00098	< 0.00100	< 0.020	< 0.000100
CM_NS7	CM_NS7_WS_2022-07-20_NP	2022-06-16	1020	0.0157	0.00028	0.00036	0.025	< 0.020	< 0.000050	0.043	0.000124	191	0.00012	0.00031	< 0.00050	0.098	< 0.000050
CM_NS7	CM_NS7_WS_2022-09-02_NP	2022-09-14	1080	0.011	< 0.00020	0.00031	0.0332	< 0.040	< 0.000100	0.049	0.0000529	209	< 0.00020	0.00064	< 0.00100	0.143	< 0.000100
CM_PLANT-SEEP1	CM_PLANT-SEEP1_WS_2022-07-20_NP	2022-06-16	756	0.0116	< 0.00010	0.00021	0.0472	< 0.020	< 0.000050	0.062	0.0000142	166	< 0.00010	0.00186	< 0.00050	0.306	< 0.000050
CM_PLANT-SEEP1	CM_PLANT-SEEP1_WS_2022-09-02_NP	2022-09-15	800	0.0052	< 0.00010	0.00033	0.039	< 0.020	< 0.000050	0.062	0.0000108	177	< 0.00010	0.005	< 0.00050	4.5	< 0.000050
CM_WD15	CM_WD15_WS_2022-07-20_NP	2022-06-15	1250	0.0075	0.00023	0.00021	0.021	< 0.020	< 0.000050	0.056	0.0000403	244	< 0.00010	< 0.10	< 0.00050	0.015	< 0.000050
CM_WD15	CM_WD15_WS_2022-09-02_NP	2022-09-14	1570	0.0335	< 0.00020	< 0.00020	0.0212	< 0.040	< 0.000100	0.061	0.0000325	340	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.000100
CM_WD15	CM_WD15_WS_2022-09-19_NP	2022-09-19	1530	0.008	< 0.00020	0.00022	0.0186	< 0.040	< 0.000100	0.056	0.0000335	354	0.00039	< 0.20	< 0.00100	< 0.020	< 0.000100
CM_WD15-SOURCE	CM_WD15-SOURCE_WS_2022-07-20_NP	2022-06-15	1330	0.0181	0.0002	0.00025	0.0138	< 0.020	< 0.000050	0.048	0.0000454	278	0.00011	0.00045	< 0.00050	< 0.010	< 0.000050
CM_WD15-SOURCE	CM_WD15-SOURCE_WS_2022-09-02_NP	2022-09-14	1680	0.0251	< 0.00020	< 0.00020	0.0123	< 0.040	< 0.000100	0.057	0.0000232	370	< 0.00020	0.00029	< 0.00100	< 0.020	< 0.000100
CM_WD15-SOURCE	CM_WD15-SOURCE_WS_2022-09-19_NP	2022-09-19	1640	0.0276	< 0.00020	< 0.00020	0.0143	< 0.040	< 0.000100	0.056	0.0000389	386	< 0.00020	0.00048	< 0.00100	< 0.020	< 0.000100
CM_WD18	CM_WD18_WS_2022-07-20_NP	2022-06-15	1260	0.0092	0.00017	0.0003	0.0164	< 0.020	< 0.000050	0.017	0.00017	264	0.00011	0.00014	< 0.00050	0.017	< 0.000050
CM_WD18	CM_WD18_WS_2022-09-02_NP	2022-09-14	1690	0.0187	< 0.00020	< 0.00020	0.0177	< 0.040	< 0.000100	0.022	0.000104	385	< 0.00020	0.00026	< 0.00100	0.025	< 0.000100
CM_WD19	CM_WD19_WS_2022-07-20_NP	2022-06-15	1000	0.0076	0.00016	0.00032	0.0189	0.00006	< 0.000050	0.032	0.0000871	233	0.00014	0.00043	< 0.00050	0.053	< 0.000050
CM_WD19	CM_WD19_WS_2022-09-02_NP	2022-09-14	1200	0.0152	< 0.00020	< 0.00020	0.0226	< 0.040	< 0.000100	0.05	0.0000187	342	< 0.00020	0.00044	< 0.00100	0.048	< 0.000100
CM_WD4	CM_WD4_WS_2022-07-20_NP	2022-06-15	503	0.0176	0.0002	0.00021	0.0294	< 0.020	< 0.000050	0.016	0.000108	108	0.00012	< 0.10	< 0.00050	0.027	< 0.000050
CM_WD4 CM WD7	CM_WD4_WS_2022-09-02_NP CM_WD7_WS_2022-07-20_NP	2022-09-14 2022-06-15	718 354	0.0104 0.0899	0.00013 0.00035	0.00015 0.00028	0.0395 0.0429	< 0.020 0.000029	< 0.000050 < 0.000050	0.023 0.012	0.000116	167 76.7	< 0.00010 0.00015	< 0.10 0.00018	< 0.00050	0.011	< 0.000050 0.00013
CM_WD7	CM_WD7_WS_2022-07-20_NP CM_WD7_WS_2022-09-02_NP	2022-06-15	480	0.0899	0.00035	0.00028	0.0429	< 0.000	< 0.000050	0.012	0.000217 0.000131	114	< 0.00015	0.00018	0.0008 < 0.00050	0.082	0.00013
CIVI_VVD/	CIVI_VVD1_VVS_ZUZZ-U9-UZ_NP	2022-09-14	480	0.0515	0.00014	0.0001	0.0458	< 0.020	V.0000000	0.018	0.000131	114	< 0.00010	0.00013	< 0.00050	0.04	0.000054

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX B - TABLE 3: Summary of Analytical Results for Total Metals

Sample Sample Sample Date # # # # # # # # # # # # # # # # # # #												Total Metals								
EWOG FWAL Na Na Na Na Na Na Na N				Hardness					Ē	Potassium	Š			Strontiu	Thallium	Ē	Titanium			
Coal Mountain Mine Coal Mo	Location	ID	(mm/dd/yyyy)	mg/L	. mg/L	mg/L	m	g/L	mg/L	mg/L			mg/L	mg/L	mg/L	mg/L	mg/L		m	ıg/L
Commonstration Comm							Acute	Chronic	Chronic		6	Acute						Chronic	Acute	hron
CM 37PIT-SEEP-E CM 37PIT-SEEP-E WS 2022-09-20 NP 2022-09-88 476 0.098 53.6 0.0161 0.00707 452 0.076 4 0.000010 1.78 0.000014 0.000010 0.00037 0.00030 CM 37PIT-SEEP-W CM 37PIT-SEEP-W WS 2022-09-20 NP 2022-09-81 876 0.0967 0.0171 3.82 0.0100 0.000010 1.78 0.000010 0.00030 0.000012 0.00030 0.00031 0.00030 CM 37PIT-SEEP-W WS 2022-09-20 NP 2022-09-81 800 0.005 1.79 5.94 0.000010 1.78 0.000010 0.00030 0.000012 0.00030 0.000013 0.00030 CM 37PIT-SEEP-W WS 2022-09-20 NP 2022-09-81 800 0.005 1.79 5.00030 0.00099 0.753 5.94 0.000010 1.62 0.00030 0.000081 0.00030 0.000892 0.00030 0.00081 0.00030 0.00081 0.00030 0.00081 0.00030 0.00081 0.00030 0.00082 0.00030				n/a	n/a	n/a	0.001-0.03 ^a	0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a	0.0075-2 ^a
CM 37PIT-SEEP-W CM 37PIT-SEEP-W WS 2022-09-20707 482 0.0968 0.0064 0.00707 462 0.0766 0.000010 100 1.78 0.000014 0.00003 0.00532 0.00532 0.00667 0.00																1				
CM 37FIT-SEEP-W CM 37FIT-SEEP-W S2022-07-07 NP 2022-09-18 NB 0.147 25.9 0.0256 0.011 3.82 < 0.100 < 0.0000020 150 3.01 < 0.000020 < 0.000020 < 0.000010 < 0.00004																				
CM_3PFT-SEEP-W CM_3PFT-SEEP-W CDS_022-09-02_NP 2022-09-18 180 0.147 25.9								-												
CM CCDS																				
CM CS1 CM CS1 WS 2022-07-20 NP 2022-06-16 386 0.003 29.4 0.000053 0.000067 0.722 7.92 < 0.000010 9.20 1.15 0.000018			_											_						
CM CS1 CM CS1 WS 2022-09-02 NP 2022-09-15 314 0.004 23.8 0.00084 0.00091 0.662 5 < 0.000010 6.07 0.13 0.000016 < 0.00010 0.00038 0.000406 < 0.00030 CM MM-SEEP1 CM MM-SEEP1 WS 2022-09-20 NP 2022-09-15 490 0.021 50.4 0.00021 0.00214 2.82 1.67 < 0.000010 1 24.9 0.87 < 0.000010 < 0.00030 0.00030 0.0038 0.000406 < 0.00030 CM MM-SEEP1 CM MM-SEEP1 WS 2022-09-20 NP 2022-09-15 490 0.021 50.4 0.00212 0.00214 2.82 1.67 < 0.000010 1 21.2 0.73 < 0.000010 < 0.00030 0.00181 < 0.00030 CM MM-SEEP3 WS 2022-09-20 NP 2022-09-15 976 0.005 86.3 0.277 0.00031 1.35 0.146 < 0.000010 1 57.2 0.79 < 0.000010 < 0.00030 0.00181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000187 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000181 < 0.00030 0.000													_	_						
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CM_WD18 WS_2022-09-02 NP 2022-09-14 1690 0.017 252 0.00761 0.00805 3.82 26.7 < 0.000020 7.98 0.65 0.00025 < 0.00020 < 0.00060 0.00809 < 0.0060 CM_WD19 WS_2022-07-20 NP 2022-06-15 1000 0.023 106 0.0176 0.00749 2.98 17.4 < 0.000010 16 0.62 0.00004 < 0.00010 < 0.00030 0.00237 0.0062	_																			
CM WD19	_																			
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CM WD4																				
CM WD4																				
CM WD7 CM WD7 WS 2022-07-20 NP 2022-06-15 354 0.006 42.6 0.00138 0.00433 1.55 28.3 < 0.000010 1.61 0.25 0.000037 < 0.00110 0.00119 0.00305 0.0112														-						
CM WD7 CM WD7 WS 2022-09-12 4 480 0.01 63.7 0.0075 0.00434 0.696 8.39 < 0.000010 3.61 0.39 < 0.000010 0.00041 0.00028 0.0085																				

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX B - TABLE 3: Summary of Analytical Results for Total Metals

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			sec	. <u>⊇</u>	و	nic	*E	iii		_	.≣	<u> </u>	朣	<u>=</u>	er		
			호	minum	Ē	Ser		_ ≥	l Ē	ē	μp	5	5	balt	Copper	_	ag
Sample	Sample	Sample Date	Ŧ	¥	Ā	Ą	Ba	B	ig.	Bo	Š	Cal	5	Cop	ပ္ပ	<u>ē</u>	, Fe
Location	ID .	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/	/L	mg/L
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						Acute	<u>ਵ</u> ੰ	Ę		ਤੌ				Acute Chronic		₽ CI	Chr Chr
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation			1114	11/4	I II U	0.000		0.00010	1174		100	1174	1	0.11 0.004	1110		0.000 0.0 0.0 0.0
EV CN1	EV CN1 WS 2022-05-18 NP	2022-05-18	461	0.008	0.00054	0.00012	0.0182	< 0.020	< 0.000050	< 0.010	0.000136	83.4	0.00013	< 0.10	< 0.00050	0.012	< 0.000050
EV_CN1	EV_CN1_WS_2022-06-29_NP	2022-06-29	500	< 0.0030	0.00054	0.00013	0.0174	< 0.020	< 0.000050	< 0.010	0.000156	80	0.00011	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_CN1	EV_CN1_WS_2022-07-14_NP	2022-07-14	550	0.0035	0.00052	0.00021	0.0184	< 0.020	< 0.000050	< 0.010	0.000177	86.5	0.00013	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_CN1	EV_CN1_WS_2022-07-20_NP	2022-07-20	649	< 0.0030	0.00057	0.00018	0.0194	< 0.020	< 0.000050	< 0.010	0.000179	93	0.00016	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_CN1	EV_CN1_WS_2022-08-25_NP	2022-08-25	702	0.0075	0.00054	0.00017	0.0205	0.000022	< 0.000050	< 0.010	0.000206	103	0.00017	< 0.10	< 0.00050	< 0.010	0.000079
EV_CN1	EV_CN1_WS_2022-09_SA_NP	2022-09-27	652	< 0.0030	0.00056	0.0001	0.0204	< 0.020	< 0.000050	< 0.010	0.000187	107	0.00014	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_CN1	EV_CN1_WS_2022-10-20_NP	2022-10-20	723	< 0.0030	0.00054	< 0.00010	0.0208	< 0.020	< 0.000050	< 0.010	0.000169	126	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-05-18_NP	2022-05-18	589	0.185	< 0.00010	0.00023	0.0563	0.000031	< 0.000050	0.013	0.000174	154	0.00028	0.00028	0.00079	0.338	0.000394
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-06-29_NP	2022-06-29	594	0.0052	< 0.00010	< 0.00010	0.0395	< 0.020	< 0.000050	0.013	0.0000205	132	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-07-14_NP	2022-07-14	601	0.0047	< 0.00010	0.00013	0.0442	< 0.020	< 0.000050	0.012	0.0000279	130	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-07-20_NP	2022-07-20	663	0.0053	< 0.00010	0.00016	0.0423	< 0.020	< 0.000050	0.013	0.0000254	134	< 0.00010	< 0.10	< 0.00050	0.01	< 0.000050
EV_SEEP_10MILE5 EV SEEP 10MILE5	EV_SEEP_10MILE5_WS_2022-08-24_NP EV_SEEP_10MILE5_WS_2022-09_SA_NP	2022-08-24	648 685	0.0287 0.0822	< 0.00010 < 0.00010	0.00012 0.00014	0.0443 0.0471	< 0.020 < 0.020	< 0.000050 < 0.000050	0.011	0.0000276	157 140	< 0.00010 0.00014	< 0.10 0.0002	< 0.00050 < 0.00050	0.076 0.192	0.000065 0.000198
EV SEEP_10MILE9	EV_SEEP_10MILE5_WS_2022-09_SA_NP EV_SEEP_10MILE9_WS_2022-05-19_NP	2022-09-28 2022-05-19	247	1.35	0.00010	0.00014	0.0471	0.000209	< 0.000050	< 0.011	0.0000463 0.00166	66.1	0.00014	0.0002	0.005	2.1	0.00229
EV SEEP 10MILE9	EV SEEP 10MILE9 WS 2022-05-19 NP	2022-06-29	247	0.261	0.00018	0.0013	0.458	0.000203	< 0.000050	< 0.010	0.00100	65.2	0.00203	0.00342	0.003	0.921	0.00229
EV SEEP 10MILE9	EV SEEP 10MILE9 WS 2022-00-29 NP	2022-00-29	258	0.261	< 0.0001	0.00041	0.438	< 0.000	< 0.000050	< 0.010	0.000977	63.5	0.00038	0.00201	< 0.00130	0.059	0.000704
EV SEEP 10MILE9	EV SEEP 10MILE9 WS 2022-08-24 NP	2022-08-24	226	0.0198	< 0.00010	0.00024	0.43	< 0.020	< 0.000050	< 0.010	0.000919	64.2	< 0.00010	0.00218	< 0.00050	0.035	0.000076
EV SEEP 10MILE9	EV SEEP 10MILE9 WS 2022-09 SA NP	2022-09-28	203	0.0115	< 0.00010	0.00014	0.392	< 0.020	< 0.000050	< 0.010	0.000738	52.8	< 0.00010	0.00197	< 0.00050	0.014	< 0.000050
EV SEEP 10MILE9	EV SEEP 10MILE9 WS 2022-10-20 NP	2022-10-20	192	0.0235	< 0.00010	0.00014	0.358	< 0.020	< 0.000050	< 0.010	0.000672	50.7	< 0.00010	0.00166	< 0.00050	0.034	0.000082
EV SEEP BREAKERLAKE	EV SEEP BREAKERLAKE WS 2022-06 SA NP	2022-07-14	242	0.0371	< 0.00010	0.00021	0.446	< 0.020	< 0.000050	< 0.010	0.000933	60.7	< 0.00010	0.00226	< 0.00050	0.063	0.000146
EV SEEP BREAKERLAKE	EV SEEP BREAKERLAKE WS 2022-09 SA NP	2022-09-27	535	0.0815	0.00077	0.00034	0.0431	< 0.020	< 0.000050	0.02	0.000412	105	0.00016	0.00155	0.00129	0.237	0.000528
EV_SEEP_CFI1	EV_SEEP_CFI1_WS_2022-06_SA_NP	2022-07-07	489	0.0031	< 0.00010	0.00013	2.86	< 0.020	< 0.000050	0.056	0.0000076	99.4	< 0.00010	0.00032	< 0.00050	1.66	< 0.000050
EV_SEEP_CFI1	EV_SEEP_CFI1_WS_2022-09_SA_NP	2022-09-26	530	0.0037	< 0.00010	0.00018	2.29	< 0.020	< 0.000050	0.038	< 0.0050	95.1	0.0001	0.0002	< 0.00050	1.43	< 0.000050
EV_SEEP_CFI2	EV_SEEP_CFI2_WS_2022-06_SA_NP	2022-07-08	619	0.039	< 0.00010	0.00018	0.472	< 0.020	< 0.000050	0.054	0.0000069	98.6	< 0.00010	< 0.10	< 0.00050	0.046	0.000054
EV_SEEP_CFI2	EV_SEEP_CFI2_WS_2022-09_SA_NP	2022-09-26	596	0.0048	< 0.00010	0.00017	0.38	< 0.020	< 0.000050	0.041	< 0.0050	78.1	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_SEEP_ERICKSON1	EV_SEEP_ERICKSON1_WS_2022-06_SA_NP	2022-07-13	600	< 0.0060	< 0.00020	0.00179	0.0242	< 0.040	< 0.000100	< 0.020	0.0000123	160	< 0.00020	0.00179	< 0.00100	3.2	< 0.000100
EV_SEEP_ERICKSON1	EV_SEEP_ERICKSON1_WS_2022-09_SA_NP	2022-10-05	663	0.0068	< 0.00010	0.0017	0.026	< 0.020	< 0.000050	0.01	0.0000162	177	< 0.00010	0.00182	< 0.00050	3.26	< 0.000050
EV_SEEP_ERICKSON2	EV_SEEP_ERICKSON2_WS_2022-06_SA_NP	2022-07-07	349	0.0241	0.00064	0.00099	0.192	< 0.020	< 0.000050	0.014	0.0000876	99.1	0.00026	< 0.10	0.00112	0.015	< 0.000050
EV_SEEP_ERICKSON2	EV_SEEP_ERICKSON2_WS_2022-09_SA_NP	2022-09-28	2350	0.012	0.00144	0.00069	0.0196	< 0.040	< 0.000100	0.027	0.000408	365	< 0.00020	0.00076	0.00105	< 0.020	< 0.000100 < 0.000100
EV_SEEP_HOPPER2 EV SEEP HOPPER2	EV SEEP HOPPER2 WS 2022-06 SA NP EV SEEP HOPPER2 WS 2022-09 SA NP	2022-07-14 2022-09-27	2720 2010	0.0104 0.188	0.0014 0.00171	0.00032 0.00057	0.0111 0.0545	< 0.040 0.000045	< 0.000100 < 0.000100	0.084 0.148	0.000794 0.00079	329 303	0.00226 0.0016	0.00265 0.00603	< 0.00100 0.00421	0.066 0.495	0.00100
EV_SEEP_HOPPER2 EV_SEEP_PLANT1	EV SEEP PLANT1 WS 2022-06 SA NP	2022-09-27	464	0.188	0.00171	0.00057	0.0545	< 0.00045	< 0.000100	0.148	0.00079	107	< 0.0016	0.00603	0.00421	0.495	0.00136
EV_SEEP_PLANT10	EV_SEEP_PLANT1_WS_2022-06_SA_NP EV_SEEP_PLANT10_WS_2022-06_SA_NP	2022-07-08	767	0.0456	0.00026	0.00036	0.106	0.00009	< 0.000050	0.22	0.000162	178	0.00094	0.00018	0.00117	1.73	0.000095
EV SEEP PLANT11	EV SEEP PLANT10_WS_2022-00_SA_NP	2022-07-08	484	< 0.0030	< 0.00038	0.00071	0.0408	< 0.000	< 0.000100	0.344	0.000102	125	< 0.00094	0.0003	< 0.00165	0.012	< 0.00229
EV SEEP PLANT11	EV SEEP PLANT11 WS 2022-00 SA NP	2022-07-07	544	0.0032	< 0.00010	0.00020	0.103	< 0.020	< 0.000050	0.182	0.0000101	112	< 0.00010	< 0.10	< 0.00050	0.012	< 0.000050
EV SEEP PLANT23	EV SEEP PLANT23 WS 2022-06 SA NP	2022-07-07	776	0.0035	0.00037	0.00032	0.0333	< 0.020	< 0.000050	0.102	0.0000100	161	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_SEEP_PLANT23	EV_SEEP_PLANT23_WS_2022-09_SA_NP	2022-09-26	868	0.0032	0.00032	0.00036	0.0276	< 0.020	< 0.000050	0.075	0.0000088	169	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_SEEP_SOUTHPIT3	EV_SEEP_SOUHTPIT3_WS_2022-06_SA_NP	2022-07-13	264	< 0.0060	0.00042	0.00046	0.0832	< 0.040	< 0.000100	< 0.020	0.0000458	59.8	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.000100
EV_SEEP_SOUTHPIT3	EV_SEEP_SOUTHPIT3_WS_2022-09_SA_NP	2022-09-30	438	0.0076	0.00039	0.00044	0.116	< 0.020	< 0.000050	0.011	0.000028	77	< 0.00010	< 0.10	0.0006	0.011	0.000052
EV_SEEP_SOUTHPIT4	EV_SEEP_SOUTHPIT4_WS_2022-06_SA_NP	2022-07-13	377	0.0264	< 0.00020	0.0003	3.14	< 0.040	< 0.000100	0.098	0.0000163	90.8	0.00022	< 0.20	< 0.00100	0.984	0.000743
EV_SEEP_SOUTHPIT4	EV_SEEP_SOUTHPIT4_WS_2022-09_SA_NP	2022-09-30	387	800.0	< 0.00010	0.00017	4.15	< 0.020	< 0.000050	0.106	< 0.0050	96.7	< 0.00010	< 0.10	< 0.00050	0.53	< 0.000050
EV_SEEP_SOUTHPIT6	EV_SEEP_SOUTHPIT6_WS_2022-06_SA_NP	2022-07-13	1840	0.0142	0.0004	0.00044	0.0368	< 0.040	< 0.000100	0.02	0.0000947	395	< 0.00020	< 0.20	0.001	0.061	0.00024
EV_SEEP_SOUTHPIT6	EV_SEEP_SOUTHPIT6_WS_2022-09_SA_NP	2022-10-04	2140	0.0109	0.00048	0.00037	0.033	< 0.040	< 0.000100	0.027	0.000164	542	< 0.00020	< 0.20	0.00106	0.054	0.00015
EV_SEEP_TURCON1	EV_SEEP_TURCON1_WS_2022-06_SA_NP	2022-07-08	515	< 0.0030	< 0.00010	0.00022	0.134	< 0.020	< 0.000050	0.058	0.0000052	127	< 0.00010	< 0.10	< 0.00050	0.089	< 0.000050
EV_SEEP_TURCON1	EV_SEEP_TURCON1_WS_2022-09_SA_NP	2022-09-27	477	< 0.0030	< 0.00010	< 0.00010	0.0925	< 0.020	< 0.000050	0.083	< 0.0050	118	< 0.00010	< 0.10	0.0009	0.152	< 0.000050
EV_SPR1B	EV_SPR1B_WS_2022-04_QRT_NP	2022-06-01	434	0.0095	0.00026	0.00014	0.0597	< 0.020	< 0.000050	0.033	0.0000438	92.6	< 0.00010	0.00016	< 0.00050	0.096	0.000063
EV_SPR1B	EV_SPR1B_WS_2022-07_QRT_NP	2022-09-01	565	0.02	0.00023	< 0.00050	0.0747	< 0.020	< 0.000050	0.038	0.0000357	114	< 0.00010	< 0.10	< 0.00050	0.032	0.000056
EV_WLAGC	EV_WLAGC_WS_2022-06_SA_NP	2022-07-08	333	< 0.0030	< 0.00010	0.00098	0.343	< 0.020	< 0.000050	0.038	< 0.0050	77	< 0.00010	0.00021	< 0.00050	0.798	< 0.000050
EV_WLAGC	EV_WLAGC_WS_2022-09_SA_NP	2022-09-26	334	0.0117	< 0.00010	0.00204	0.296	< 0.020	< 0.000050	0.024	0.000009	68.8	< 0.00010	0.00052	< 0.00050	2.75	< 0.000050

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX B - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals							
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			둳	.≘		Ē	ķe	as	Selenium	Silver		o	∰		Ē	<u> </u>	ပ္
Sample	Sample	Sample Date	표	三	Mag	Ma	Ë	Pot	Sel	- -	Sodi	Stro	Ĕ	⊨	#	٦	Į į
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/l	_mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation																	
EV_CN1	EV_CN1_WS_2022-05-18_NP	2022-05-18		0.016		0.00037	0.00393	1.89	127	< 0.000010		0.07		< 0.00010	< 0.00030	0.00455	0.0045
EV_CN1	EV_CN1_WS_2022-06-29_NP	2022-06-29		0.016		< 0.00010	0.00434	1.98	117	< 0.000010	_	0.07	0.000015	< 0.00010	< 0.00030	0.00456	0.0057
EV_CN1	EV_CN1_WS_2022-07-14_NP	2022-07-14		0.018		< 0.00010	0.00485	1.93	145	< 0.000010		0.07	0.000016	< 0.00010	< 0.00030	0.00487	0.006
EV_CN1 EV CN1	EV_CN1_WS_2022-07-20_NP	2022-07-20 2022-08-25		0.018		< 0.00010 0.00033	0.00494 0.00545	1.98	162 189	< 0.000010 < 0.000010		0.08	0.000018 0.000016	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.0056 0.00646	0.0064 0.0078
EV_CN1	EV_CN1_WS_2022-08-25_NP EV_CN1_WS_2022-09_SA_NP	2022-08-25	652			< 0.00033	0.00545	1.84	196	< 0.000010		0.09	0.000016	< 0.00010	< 0.00030	0.00646	0.0078
EV_CN1	EV CN1 WS 2022-09 SA NF	2022-10-20	723			< 0.00010	0.0038	2.07	191	< 0.000010		0.1	0.000017	< 0.00010	< 0.00030	0.0064	0.0061
EV SEEP 10MILE5	EV SEEP 10MILE5 WS 2022-05-18 NP	2022-05-18	589	0.019		0.0126	0.00219	1.58	39.3	< 0.000010		0.31	< 0.000011	< 0.00010	< 0.00150	0.00184	0.0032
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-06-29_NP	2022-06-29		0.018		0.0003	0.00059	1.55	42	< 0.000010		0.3	< 0.000010	< 0.00010	< 0.00030	0.00182	< 0.0030
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-07-14_NP	2022-07-14	601	0.019	62.8	0.00384	0.00069	1.47	40.3	< 0.000010	6.05	0.29	< 0.000010	< 0.00010	< 0.00030	0.00173	< 0.0030
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-07-20_NP	2022-07-20		0.019		0.0003	0.00064	1.46	42.9	< 0.000010		0.3	< 0.000010	< 0.00010	< 0.00030	0.00182	< 0.0030
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-08-24_NP	2022-08-24		0.019		0.00204	0.00065	1.48	43.5	< 0.000010		0.31		< 0.00010	0.00037	0.0019	< 0.0030
EV_SEEP_10MILE5	EV_SEEP_10MILE5_WS_2022-09_SA_NP	2022-09-28	685			0.00698	0.00141	1.45	49.9	< 0.000010		0.36		< 0.00010	0.001	0.00204	< 0.0030
EV_SEEP_10MILE9	EV_SEEP_10MILE9_WS_2022-05-19_NP	2022-05-19		0.003		0.878	0.00849	1.47	0.336	0.00008		0.12		< 0.00010	0.00677	0.00052	0.0249
EV_SEEP_10MILE9 EV SEEP 10MILE9	EV SEEP 10MILE9 WS 2022-06-29 NP EV SEEP 10MILE9 WS 2022-07-20 NP	2022-06-29 2022-07-20	247 258			0.821 0.771	0.00559 0.0045	1.08 0.959	0.247 0.184	0.000013 < 0.000010		0.13	0.000025 0.000016	< 0.00010 < 0.00010	< 0.00270 0.00062	0.000299	0.0118 0.0077
EV SEEP 10MILE9	EV SEEP 10MILE9 WS 2022-07-20 NP EV SEEP 10MILE9 WS 2022-08-24 NP	2022-07-20		0.003		0.734	0.0043	0.897	0.104	< 0.000010		0.13	0.000016	< 0.00010	< 0.00030	0.000203	0.0077
EV SEEP 10MILE9	EV SEEP 10MILE9 WS 2022-09 SA NP	2022-09-28		0.003		0.595	0.0038	0.814	0.347	< 0.000010		0.11	0.000014	< 0.00010	0.00042	0.000176	0.006
EV SEEP 10MILE9	EV SEEP 10MILE9 WS 2022-10-20 NP	2022-10-20		0.002		0.563	0.00353	0.839	0.282	< 0.00010		0.09	0.000014	< 0.00010	< 0.00030	0.00014	0.0054
EV_SEEP_BREAKERLAKE	EV_SEEP_BREAKERLAKE_WS_2022-06_SA_NP	2022-07-14	242	0.003	20.1	0.73	0.00444	0.91	0.16	< 0.000010	3.45	0.12	0.000016	< 0.00010	0.00033	0.000185	0.0069
EV_SEEP_BREAKERLAKE	EV_SEEP_BREAKERLAKE_WS_2022-09_SA_NP	2022-09-27	535			0.128	0.0102	2.48	27.8	0.000013		0.14	0.000059	< 0.00010	0.00088	0.00524	0.0089
EV_SEEP_CFI1	EV_SEEP_CFI1_WS_2022-06_SA_NP	2022-07-07	489			0.422	0.00092	4.79	0.148	< 0.000010		0.46	< 0.000010	< 0.00010	< 0.00030	0.000201	0.0048
EV_SEEP_CFI1	EV_SEEP_CFI1_WS_2022-09_SA_NP	2022-09-26	530			0.259	0.00056	4.13	0.06	< 0.000010	_	0.4	< 0.000010	< 0.00010	< 0.00030	0.000133	0.0061
EV_SEEP_CFI2 EV SEEP CFI2	EV_SEEP_CFI2_WS_2022-06_SA_NP EV_SEEP_CFI2_WS_2022-09_SA_NP	2022-07-08 2022-09-26	596	0.052		0.0028 0.00013	0.00072 < 0.00050	3.76 3.99	0.151 0.107	< 0.000010 < 0.000010		0.49		< 0.00010 < 0.00010	0.00075 < 0.00030	0.00035 0.000266	0.0059 < 0.0030
EV_SEEP_CFIZ EV_SEEP_ERICKSON1	EV SEEP ERICKSON1 WS 2022-06 SA NP	2022-09-26		0.048		0.00013	0.00261	1.16	< 0.107	< 0.000010		0.42		< 0.00010	< 0.00030	0.000266	< 0.0060
EV SEEP ERICKSON1	EV SEEP ERICKSON1 WS 2022-00 SA NP	2022-10-05	663			0.562	0.00296	1.11	< 0.050	< 0.000020		0.32	0.000020	< 0.00010	< 0.00030	0.000101	0.0036
EV SEEP ERICKSON2	EV SEEP ERICKSON2 WS 2022-06 SA NP	2022-07-07	349			0.00132	0.00366	2.1	4.76	< 0.000010		0.17	0.000028	< 0.00010	< 0.00060	0.00232	< 0.0030
EV SEEP ERICKSON2	EV SEEP ERICKSON2 WS 2022-09 SA NP	2022-09-28	2350	0.077		0.0386	0.046	6.09	725	< 0.000020		0.28	0.000051	< 0.00020	< 0.00060	0.0292	0.0707
EV_SEEP_HOPPER2	EV_SEEP_HOPPER2_WS_2022-06_SA_NP	2022-07-14	2720	0.849	489	0.00222	0.0378	21.5	621	< 0.000020	51.6	0.65	0.00004	< 0.00020	< 0.00060	0.0115	0.0279
EV_SEEP_HOPPER2	EV_SEEP_HOPPER2_WS_2022-09_SA_NP	2022-09-27	2010		290	0.0143	0.0349	19.4	552	0.000031		0.83	0.000064	< 0.00020	0.0021	0.0118	0.0463
EV_SEEP_PLANT1	EV_SEEP_PLANT1_WS_2022-06_SA_NP	2022-07-08		0.128		0.0116	0.00212	3.26	1.63	< 0.000010		2.09		< 0.00010	< 0.00090	0.000843	0.0097
EV_SEEP_PLANT10	EV_SEEP_PLANT10_WS_2022-06_SA_NP	2022-07-08		0.454		0.102	0.00329	3.21	0.139	< 0.000020		8.93		< 0.00020	0.00446	0.000122	0.0724
EV_SEEP_PLANT11 EV SEEP PLANT11	EV SEEP PLANT11 WS 2022-06 SA NP EV SEEP PLANT11 WS 2022-09 SA NP	2022-07-07 2022-09-26		0.151 0.158		0.00927 0.0499	0.0009 0.00107	2.7	1.03 0.328	< 0.000010 < 0.000010		2.41	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00031 0.000129	< 0.0030 < 0.0030
EV_SEEP_PLANT11 EV_SEEP_PLANT23	EV SEEP PLANT11 WS 2022-09 SA NP EV SEEP PLANT23 WS 2022-06 SA NP	2022-09-26	776			0.0499	0.00107	2.54	17.2	< 0.000010		1.72		< 0.00010	< 0.00030	0.000129	0.106
EV SEEP PLANT23	EV SEEP PLANT23 WS 2022-00 SA NP	2022-07-07	868			< 0.00010	0.00203	2.8	14.4	< 0.000010		1.72		< 0.00010	< 0.00030	0.00214	0.0184
EV SEEP SOUTHPIT3	EV SEEP SOUHTPIT3 WS 2022-06 SA NP	2022-07-13		< 0.002		< 0.00020	< 0.00100	0.89	5.47	< 0.000020		0.06		< 0.00020	< 0.00060	0.000985	< 0.0060
EV_SEEP_SOUTHPIT3	EV_SEEP_SOUTHPIT3_WS_2022-09_SA_NP	2022-09-30	438	0.003	45.7	0.00038	0.00153	0.365	1.28	< 0.000010	1.43	0.1	0.000017	< 0.00010	< 0.00030	0.00111	< 0.0030
EV_SEEP_SOUTHPIT4	EV_SEEP_SOUTHPIT4_WS_2022-06_SA_NP	2022-07-13	_	0.105		0.0572	< 0.00100	6.25		< 0.000020		0.32		< 0.00020	< 0.00060	0.000442	< 0.0060
EV_SEEP_SOUTHPIT4	EV_SEEP_SOUTHPIT4_WS_2022-09_SA_NP	2022-09-30	387			0.0588	< 0.00050	7.33	0.122	< 0.000010		0.36		< 0.00010	< 0.00030	0.000253	< 0.0030
EV_SEEP_SOUTHPIT6	EV_SEEP_SOUTHPIT6_WS_2022-06_SA_NP	2022-07-13	1840		223	0.0114	0.00226	3.58	73.6	< 0.000020		0.45		< 0.00020	< 0.00060	0.00608	< 0.0060
EV_SEEP_SOUTHPIT6	EV_SEEP_SOUTHPIT6_WS_2022-09_SA_NP	2022-10-04	2140			0.00562 0.025	0.00231	4.07	87.2	< 0.000020 < 0.000010	_	0.58	0.000023	< 0.00020	< 0.00060	0.00804	0.0073 0.0033
EV_SEEP_TURCON1 EV_SEEP_TURCON1	EV_SEEP_TURCON1_WS_2022-06_SA_NP EV_SEEP_TURCON1_WS_2022-09_SA_NP	2022-07-08 2022-09-27		0.036		0.025	< 0.00050 < 0.00050	2.26	0.142	< 0.000010		1.12		< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.000382 0.000157	< 0.0030
EV_SEEP_TURCONT EV_SPR1B	EV SPR1B WS 2022-09 SA NP	2022-09-27		0.048		0.0363	0.00050	2.44	10.9	< 0.000010		0.46		< 0.00010	< 0.00030	0.000157	< 0.0030
EV_SPR1B	EV SPR1B WS 2022-04 QRT NP	2022-09-01	565			0.00813	0.00134	2.35	0.55	< 0.000010		0.40	0.000010	< 0.00010	0.00055	0.00171	0.0038
EV WLAGC	EV WLAGC WS 2022-06 SA NP	2022-07-08	333			0.32	0.00135	1.96	0.138	< 0.000010	9.56		0.000082	< 0.00010	< 0.00030	0.000508	< 0.0030
EV_WLAGC	EV_WLAGC_WS_2022-09_SA_NP	2022-09-26		0.022	25.8	0.88	0.00214	1.66	0.058	< 0.000010	6.45	0.34	0.000091	< 0.00010	< 0.00030	0.000536	< 0.0030
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< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

d Guideline varies with pH

APPENDIX B - TABLE 3: Summary of Analytical Results for Total Metals

			Г								Total Metals							
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Sample	Sample	Sample Date	포	- Ē	A	Ā	Ba	å	ä	B	Cad	Ca	ភ	ပိ	ŭ	<u>lr</u> on	٦	
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L .ပ	mg/L	mg/L	mg/L	mg/L	mg	/L	mg/L	
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						Acute	Chror	Ş		Ş				Acute		Acute	Acu	Š
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5ª	3.3-3.5 ^a
Fording River Operation		1	1					1		1	1	1	1	1	1			
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-02_NP FR_ASPSEEP1_WS_2022-01-05_NP	2022-01-02 2022-01-05	1100 673	0.0129 0.0066	0.00032 0.00028	0.00019 0.00016	0.0445 0.0966	< 0.020 < 0.020	< 0.000050 < 0.000050	0.028 0.011	0.000239 0.0000989	214 155	< 0.00010 0.00016	< 0.10 0.00015	0.00094 < 0.00050	0.012 0.012	< 0.0000 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-05_NP FR_ASPSEEP1_WS_2022-01-07_NP	2022-01-05	1120	0.006	0.00028	0.00016	0.0966	< 0.020	< 0.000050	0.011	0.0000969	212	< 0.00010	0.00015	0.00091	0.012	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-12_NP	2022-01-12	1100	0.0033	0.0003	0.0002	0.0471	< 0.020	< 0.000050	0.029	0.000245	202	< 0.00010	< 0.10	0.00078	< 0.010	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-14_NP	2022-01-14	1120	0.386	0.00034	0.00035	0.0615	< 0.020	< 0.000050	0.029	0.000325	203	0.00088	0.00062	0.00136	0.24	0.00017	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-19_NP FR_ASPSEEP1_WS_2022-01-22_NP	2022-01-19 2022-01-22	1230 1170	0.0108 0.0161	0.00031 0.00032	0.0002 0.00017	0.0454 0.0475	< 0.020 < 0.020	< 0.000050 < 0.000050	0.032 0.031	0.00026 0.000254	213 206	< 0.00010 < 0.00010	< 0.10 < 0.10	0.00083 0.00091	< 0.010 0.018	< 0.0000 < 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-22_NP FR_ASPSEEP1_WS_2022-01-26_NP	2022-01-22	1200	0.0161	0.00032	0.00017	0.0475	< 0.020	< 0.000050	0.031	0.000254	214	< 0.00010	0.0001	0.00091	0.018	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-29_NP	2022-01-29	1200	0.0203	0.00032	0.0002	0.0624	< 0.020	< 0.000050	0.032	0.000262	225	0.00017	< 0.10	0.00096	0.018	< 0.0000	0050
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-02_NP	2022-02-02	1240	0.693	0.00042	0.00082	0.0748	0.000064	< 0.000050	0.035	0.000643	229	0.00126	0.00165	0.00478	1.31	0.0012	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-03_NP FR_ASPSEEP1_WS_2022-02-04_NP	2022-02-03 2022-02-04	1230 1190	0.0235 0.0048	0.00031 0.00037	0.0002 0.00024	0.048 0.0514	< 0.020 < 0.020	< 0.000050 < 0.000050	0.032	0.000266 0.00027	228 222	0.00014 0.00012	< 0.10 < 0.10	0.00084 0.00086	0.028 < 0.010	< 0.0000 < 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-04_NP FR_ASPSEEP1_WS_2022-02-05_NP	2022-02-04	1190	0.0048	0.00037	0.00024	0.0314	< 0.020	< 0.000050	0.03	0.00027	234	< 0.00012	< 0.10	0.0008	< 0.010	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-06_NP	2022-02-06	1200	0.0102	0.00032	0.00018	0.0461	< 0.020	< 0.000050	0.03	0.00025	212	0.00342	< 0.10	0.00086	0.026	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-07_NP	2022-02-07	1100	0.0445	0.00051	0.00027	0.154	< 0.020	< 0.000050	0.031	0.000246	196	0.00013	0.00061	0.00097	0.103	0.0001	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-08_NP	2022-02-08 2022-02-09	1260 984	0.0117 4.18	0.00038 0.00076	0.00021 0.00287	0.0502 0.159	< 0.020 0.000284	< 0.000050 0.00006	0.034 0.03	0.000239 0.00106	224 198	< 0.00010 0.00659	0.00016 0.00431	0.00077 0.012	< 0.010 5.87	< 0.0000 0.0053	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-09_NP FR_ASPSEEP1_WS_2022-02-10_NP	2022-02-09	1250	1.87	0.00076	0.00287	0.159	0.000284	< 0.000050	0.035	0.00106	238	0.0039	0.00431	0.012	2.43	0.0053	
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-11 NP	2022-02-11	1120	0.116	0.00034	0.00023	0.0468	< 0.020	< 0.000050	0.032	0.000249	208	0.0003	< 0.10	0.00102	0.068	0.00006	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-12_NP	2022-02-12	1120	0.195	0.00035	0.0003	0.0498	< 0.040	< 0.000100	0.034	0.000284	211	0.0004	0.00031	0.00166	0.305	0.00030	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-13_NP	2022-02-13	1200	0.303	0.00037	0.00031	0.0517	< 0.040	< 0.000100	0.033	0.000314	218	0.00099	0.00037	0.0017	0.427	0.00030	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-14_NP FR_ASPSEEP1_WS_2022-02-15_NP	2022-02-14 2022-02-15	1200 1170	0.0498	0.00033 0.00032	0.0002 0.00022	0.0475 0.0533	< 0.040 < 0.020	< 0.000100 < 0.000050	0.038 0.032	0.000273 0.00026	215 242	0.00021 0.00015	< 0.20 0.00014	0.00108 0.00095	0.035	< 0.0001 < 0.0000	
FR_ASPSEEP1	FR_ASPSEEF1_WS_2022-02-15_NF FR_ASPSEEP1_WS_2022-02-16_NP	2022-02-15	1200	0.0330	0.00032	0.00022	0.0552	< 0.020	< 0.000050	0.032	0.00020	244	0.00013	< 0.10	0.00093	0.036	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-17_NP	2022-02-17	1230	0.0216	0.00038	0.00019	0.0535	< 0.020	< 0.000050	0.035	0.000273	234	0.00011	< 0.10	0.0009	0.021	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-18_NP	2022-02-18	1200	0.0148	0.00034	< 0.00020	0.0532	< 0.040	< 0.000100	0.035	0.000266	231	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.0001	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-19_NP	2022-02-19	1230	0.0084	0.00033	< 0.00020	0.0507	< 0.040	< 0.000100	0.031	0.000252	215	< 0.00020	< 0.20	< 0.00100	0.024	< 0.0001	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-20_NP FR_ASPSEEP1_WS_2022-02-21_NP	2022-02-20 2022-02-21	1300	0.807 0.0122	0.00041 0.00032	0.00059 0.00018	0.0681 0.0501	0.000043 < 0.020	< 0.000050 < 0.000050	0.036 0.033	0.000507 0.00025	254 244	0.00191 0.00018	0.00158 < 0.10	0.00306 0.00082	0.812 0.011	0.00080	
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-22 NP	2022-02-21	1330	0.0128	0.00032	0.00018	0.0504	< 0.020	< 0.000050	0.033	0.00025	238	< 0.00010	< 0.10	0.00084	0.012	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-23_NP	2022-02-23	1260	0.0136	0.00034	0.00021	0.0511	< 0.040	< 0.000100	0.034	0.000287	234	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.0001	100
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-24_NP	2022-02-24	1320	0.0138	0.00033	< 0.00020	0.0504	< 0.040	< 0.000100	0.032	0.000251	222	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.0001	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-25_NP FR_ASPSEEP1_WS_2022-02-26_NP	2022-02-25 2022-02-26	1240 1250	0.0083	0.00033 0.00036	0.00025 0.00023	0.0536 0.0529	< 0.040 < 0.020	< 0.000100 < 0.000050	0.032 0.036	0.000276 0.000263	226 234	< 0.00020 0.00013	< 0.20 < 0.10	< 0.00100 0.00117	< 0.020 0.044	< 0.0001 0.00022	
FR_ASPSEEP1	FR_ASPSEEPT_WS_2022-02-26_NP FR_ASPSEEPT_WS_2022-02-27_NP	2022-02-26	1250	0.0181	0.00035	< 0.00023	0.0529	< 0.020	< 0.000100	0.035	0.000263	239	< 0.00013	< 0.20	< 0.00117	< 0.020	< 0.0002	
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-28 NP	2022-02-28	1320	0.0125	0.00035	< 0.00020	0.0507	< 0.040	< 0.000100	0.035	0.000252	243	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.0001	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-02_NP	2022-03-02	1280	0.0067	0.00034	0.00018	0.0532	< 0.020	< 0.000050	0.031	0.000275	225	< 0.00010	< 0.10	0.0009	< 0.010	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-03_NP	2022-03-03	1260	0.305	0.00041	0.00048	0.0549	< 0.040	< 0.000100	0.034	0.00041	256	0.00056	0.00068	0.00221	0.505	0.0006	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-04_NP FR_ASPSEEP1_WS_2022-03-05_NP	2022-03-04 2022-03-05	1320 1350	0.0353 0.0124	0.00037 0.00034	0.00019 < 0.00020	0.0534 0.0508	< 0.020 < 0.040	< 0.000050 < 0.000100	0.034 0.033	0.000285 0.000274	241 237	0.00018 < 0.00020	0.00014 < 0.20	0.00099 0.00116	0.033 < 0.020	< 0.0000 < 0.0001	
FR_ASPSEEP1	FR ASPSEEFT WS 2022-03-05 NP	2022-03-06	1300	0.0124	0.00034	0.00019	0.0508	< 0.040	< 0.000100	0.035	0.000274	238	< 0.00020	< 0.10	0.000110	< 0.020	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-07_NP	2022-03-07	1310	0.271	0.00034	0.00029	0.0555	< 0.020	< 0.000050	0.034	0.0003	217	0.00034	0.00027	0.00138	0.405	0.0002	24
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-08_NP		1310	0.19	0.00034	0.00033	0.0593	< 0.020	< 0.000050	0.034	0.000313	250	0.00037	0.00031	0.00135	0.269	0.00025	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-09_NP FR_ASPSEEP1_WS_2022-03-10_NP	2022-03-09 2022-03-10	1320 1290	0.374 0.0314	0.0004 0.00034	0.00047 0.0002	0.0632 0.054	0.000027 < 0.020	< 0.000050 < 0.000050	0.033	0.000362 0.000282	232 243	0.00094 0.00012	0.0005 < 0.10	0.00193 0.00094	0.562 0.022	0.0005 < 0.0000	
FR_ASPSEEP1	FR_ASPSEEPT_WS_2022-03-10_NP FR_ASPSEEPT_WS_2022-03-12_NP	2022-03-10	1150	0.0314	0.00034	0.00024	0.054	< 0.020	< 0.000050	0.033	0.000282	243	0.00012	< 0.10	0.00094	0.022	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-13_NP	2022-03-12	1270	0.503	0.00039	0.00056	0.0633	0.000037	< 0.000050	0.03	0.000386	218	0.00089	0.00086	0.00246	0.821	0.0006	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-14_NP	2022-03-14	1360	0.0399	0.00033	0.00017	0.0523	< 0.020	< 0.000050	0.033	0.00027	235	0.00015	< 0.10	0.00094	0.039	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-15_NP	2022-03-15	1200	0.183	0.00035	0.00025	0.0567	< 0.020	< 0.000050	0.03	0.000288	220	0.00048	0.00023	0.00129	0.186	0.0002	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-16_NP FR_ASPSEEP1_WS_2022-03-17_NP	2022-03-16 2022-03-17	1230 1370	0.078 0.322	0.00035 0.00033	0.00021 0.00028	0.0518 0.0559	< 0.020 < 0.020	< 0.000050 < 0.000050	0.032 0.035	0.000264 0.000275	225 244	0.00024 0.00052	0.00011 0.00022	0.00117 0.00127	0.079 0.182	0.00008	
FR_ASPSEEP1	FR_ASPSEEPT_WS_2022-03-17_NP FR_ASPSEEPT_WS_2022-03-18_NP	2022-03-17	1180	0.322	0.00035	0.00028	0.0539	< 0.020	< 0.000050	0.033	0.000275	220	0.00032	< 0.10	0.00127	0.162	0.00000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-19_NP	2022-03-19	1160	0.0537	0.00032	0.00018	0.0509	< 0.020	< 0.000050	0.034	0.000237	223	0.00016	< 0.10	0.00085	0.04	< 0.0000	0050
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-20_NP	2022-03-20	1190	0.0571	0.00034	0.0002	0.0517	< 0.020	< 0.000050	0.033	0.000243	215	0.00046	< 0.10	0.00089	0.05	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-21_NP FR_ASPSEEP1_WS_2022-03-22_NP	2022-03-21	1270	0.0758	0.00037	0.00021	0.056	< 0.020	< 0.000050	0.038	0.000267	232	0.00022	0.0001	0.00104	0.07	0.00007	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-22_NP FR_ASPSEEP1_WS_2022-03-23_NP	2022-03-22 2022-03-23	1280 1300	0.108 0.0726	0.00034 < 0.00050	0.00025 < 0.00050	0.0567 0.056	< 0.020 < 0.100	< 0.000050 < 0.000250	0.035 < 0.050	0.000274 0.000258	216 216	0.00015 < 0.00050	0.00017 < 0.50	0.00109 < 0.00250	0.096 0.084	0.0001° < 0.0002	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-26_NP	2022-03-26	1170	0.0456	0.00042	0.00025	0.058	< 0.020	< 0.000250	0.048	0.000230	199	0.00030	< 0.10	0.00230	0.042	< 0.0002	
		•						•										

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX B - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals							
					Ε	e S		E				_					
			ess	Ε	sic	ane	*_	Sin	Selenium		Ε	ntiun	ᄠ		mium	<u>*</u>	
			臣	hium	gue	ınga	ě	tas	leni	Ver	Sodium	out	allit	_	anir	anic (ဋ
Sample	Sample	Sample Date	На	Ĕ	Ma	Ma	ž	Po		Silve		Stro	Ţ	Ė	Ĕ	'n	Zinc
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
						cute	on ř		onic	cute						hronic	onic
						Acute	į		Chroni	Ghr.						ğ	Chr.
BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2a 0.0075-2a
Fording River Operation		•															
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-02_NP FR_ASPSEEP1_WS_2022-01-05_NP	2022-01-02 2022-01-05		0.056	154 66.3	0.00148 0.0032	0.00098 0.00826	3.89	115 83.6	< 0.000010 0.000012		0.21	< 0.000010 < 0.000010	< 0.00010	< 0.00030 < 0.00030	0.00425 0.00428	0.0078 0.0056
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-05_NP FR_ASPSEEP1_WS_2022-01-07_NP	2022-01-05		0.066	148	0.0032	0.00826	2.54 3.73	118	< 0.000012	4.53		< 0.000010	< 0.00010 < 0.00010	< 0.00030	0.00428	0.0085
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-12_NP	2022-01-12		0.054	151	0.0004	0.0011	3.81	125	< 0.000010		0.21	0.00001	< 0.00010	< 0.00030	0.0039	0.0085
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-14_NP	2022-01-14		0.052	157	0.0187	0.00173	4.03	132	0.000012		0.2	0.000027	< 0.00010	< 0.0123	0.00416	0.0111
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-19_NP FR_ASPSEEP1_WS_2022-01-22_NP	2022-01-19 2022-01-22		0.055	158 161	0.00117 0.0014	0.00118 0.00123	3.93 3.99	129 130	< 0.000010 < 0.000010		0.2	0.000011 0.000011	< 0.00010 0.0001	< 0.00060 < 0.00060	0.00426 0.00428	0.0086 0.0103
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-26_NP	2022-01-26		0.056	165	0.00261	0.00123	3.74	123	< 0.000010		0.21	0.000011	< 0.0001	< 0.00090	0.0041	0.009
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-01-29_NP	2022-01-29		0.058	168	0.0017	0.00128	4.11	129	< 0.000010		0.21	0.000012	< 0.00010	0.00053	0.00429	0.0082
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-02_NP FR_ASPSEEP1_WS_2022-02-03_NP	2022-02-02 2022-02-03		0.063	176 174	0.0528 0.0017	0.00445 0.00109	4.44 4.24	132 130	0.000038 < 0.000010		0.22	0.000048 < 0.000010	< 0.00010 < 0.00010	0.0134 0.00059	0.0045 0.00385	0.0273 0.0104
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-03_NP FR_ASPSEEP1_WS_2022-02-04_NP	2022-02-04		0.053	174	0.00082	0.00109	4.24	121	< 0.000010		0.21	< 0.000010	< 0.00010	< 0.00039	0.00365	0.0091
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-05_NP	2022-02-05		0.063	178	0.00081	0.00113	4.39	132	< 0.000010		0.22	0.000011	< 0.00010	< 0.00030	0.00423	0.0075
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-06_NP	2022-02-06		0.057	168	0.00144 0.0225	0.00125	4	126	< 0.000010 < 0.000010		0.2	< 0.000010	< 0.00010	< 0.00030	0.00403	0.0075 0.0132
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-07_NP FR_ASPSEEP1_WS_2022-02-08_NP	2022-02-07 2022-02-08		0.057	158 167	0.00587	0.0049 0.00205	4.45 4.07	108 121	< 0.000010		0.22	0.000017 0.000013	0.0001 0.0001	0.00107 < 0.00030	0.00406 0.00432	0.0132
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-09_NP	2022-02-09		0.052	150	0.137	0.0145	4.46	112	0.000222	4.2		0.000197	0.00012	0.0604	0.00423	0.0735
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-10_NP	2022-02-10		0.066	187	0.0493	0.00673	4.79	121	0.00011		0.22	0.000086	< 0.00010	0.0425	0.00462	0.0404
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-11_NP FR_ASPSEEP1_WS_2022-02-12_NP	2022-02-11 2022-02-12		0.057	159 163	0.00305 0.0107	0.00121 0.00188	3.87 3.88	116 117	< 0.000010 < 0.000020		0.2	0.000013 < 0.000020	< 0.00010 < 0.00020	0.0034 0.00414	0.00412 0.00417	0.0077 0.0114
FR ASPSEEP1	FR ASPSEEP1 WS 2022-02-13 NP	2022-02-12		0.061	171	0.0116	0.002	4.08	120	< 0.000020	_	0.21	0.000024	< 0.00020	0.00648	0.00417	0.0126
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-14_NP	2022-02-14		0.061	174	0.00226	0.00126	4	119	< 0.000020		0.21	< 0.000020	< 0.00020	0.00139	0.00435	0.0084
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-15_NP FR_ASPSEEP1_WS_2022-02-16_NP	2022-02-15 2022-02-16		0.065	190 197	0.00382 0.00246	0.00131 0.00126	4.27 4.42	131 137	< 0.000010 < 0.000010		0.22	0.000013 0.000012	< 0.00010 < 0.00010	< 0.00090 < 0.00030	0.00414 0.00414	0.0091 0.0099
FR ASPSEEP1	FR ASPSEEPT WS 2022-02-16 NP FR ASPSEEPT WS 2022-02-17 NP	2022-02-16		0.065	185	0.00240	0.00126	4.42	146	< 0.000010		0.24	0.000012	< 0.00010	< 0.00030	0.00414	0.0099
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-18_NP	2022-02-18		0.064	178	0.00169	0.00127	4.23	138	< 0.000020	5.44	0.24	< 0.000020	< 0.00020	< 0.00060	0.00458	0.0084
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-19_NP	2022-02-19		0.059	171	0.00152	0.0352	4.04	131	< 0.000020		0.23	< 0.000020	< 0.00020	< 0.00060	0.00434	0.0081
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-20_NP FR_ASPSEEP1_WS_2022-02-21_NP	2022-02-20 2022-02-21		0.069	190 174	0.0556 0.00154	0.00336 0.00123	4.7 4.28	137 140	0.00003 < 0.000010		0.23	0.000037 0.000013	< 0.00010 < 0.00010	0.0251 < 0.00060	0.00456 0.00371	0.0196 0.0075
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-22_NP	2022-02-22		0.066	188	0.00132	0.00122	4.5	138	< 0.000010		0.23	0.00001	< 0.00010	< 0.00030	0.00435	0.0077
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-23_NP	2022-02-23		0.069	196	0.00131	0.00122	4.41	134	< 0.000020		0.23	< 0.000020	< 0.00020	< 0.00060	0.00442	0.0081
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-24_NP FR_ASPSEEP1_WS_2022-02-25_NP	2022-02-24 2022-02-25		0.062	185 193	0.00128 0.00094	0.00122 0.00116	4.2 4.23	120 128	< 0.000020 < 0.000020		0.22	< 0.000020 < 0.000020	< 0.00020 < 0.00020	0.0007 < 0.00060	0.00446 0.00453	0.0078 0.0093
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-26_NP	2022-02-26		0.07	181	0.0022	0.00148	4.55	140	0.000012		0.22	0.000013	< 0.00010	< 0.00030	0.0049	0.0101
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-27_NP	2022-02-27		0.062	194	0.00096	0.00122	4.26	128	< 0.000020		0.23	< 0.000020	< 0.00020	< 0.00060	0.00463	0.0094
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-02-28_NP FR_ASPSEEP1_WS_2022-03-02_NP	2022-02-28 2022-03-02		0.069	193 187	0.00117 0.00092	0.00114 0.00107	4.35 4.34	132 135	< 0.000020 < 0.000010		0.22	< 0.000020 0.000011	< 0.00020 < 0.00010	< 0.00060 < 0.00060	0.00462 0.00439	0.0083 0.0081
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-02_NP FR_ASPSEEP1_WS_2022-03-03_NP	2022-03-02		0.064	176	0.00092	0.00248	4.08	123	0.000010		0.23	0.000011	< 0.00010	0.00588	0.00459	0.0081
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-04_NP	2022-03-04	1320	0.07	194	0.00283	0.00123	4.4	133	< 0.000010	5.53	0.22	0.000014	< 0.00010	< 0.00210	0.00398	0.009
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-05_NP	2022-03-05		0.072	189	0.00182 0.00114	0.00121	4.29	127	< 0.000020 < 0.000010		0.22	< 0.000020	< 0.00020	< 0.00060	0.004	0.009 0.0086
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-06_NP FR_ASPSEEP1_WS_2022-03-07_NP	2022-03-06 2022-03-07		0.073	186 188	0.00114 0.0107	0.00116 0.00163	4.89 4.69	137 137	0.000010	- 00	0.22	0.00001 0.000014	< 0.00010 < 0.00010	< 0.00030 0.00706	0.00428 0.00411	0.0086
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-08_NP	2022-03-08	1310	0.065	201	0.0104	0.00185	4.58	141	0.000012	5.59	0.23	0.00002	0.00013	0.00488	0.00405	0.0109
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-09_NP	2022-03-09		0.07	186	0.0174	0.00256	4.71	138	0.000024		0.24		< 0.00010	0.00895	0.00473	0.0149
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-10_NP FR_ASPSEEP1_WS_2022-03-12_NP	2022-03-10 2022-03-12		0.068		0.00228 0.00235	0.0013 0.00116	4.56 4.13	131 125	< 0.000010 < 0.000010		0.23	0.000012 0.000013	< 0.00010 < 0.00010	< 0.00120 < 0.00090	0.00441 0.0045	0.0081 0.007
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-13_NP	2022-03-12		0.062		0.0285	0.00274	4.38		0.000010		0.21		< 0.00010	0.0111	0.0043	0.0162
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-14_NP	2022-03-14		0.068		0.00257	0.00127	4.59	134	< 0.000010		0.23	0.000012	< 0.00010	< 0.00180	0.00437	0.0085
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-15_NP FR_ASPSEEP1_WS_2022-03-16_NP	2022-03-15 2022-03-16		0.063	166 180	0.00802 0.00351	0.00173 0.00159	4.4 4.45	128 132	< 0.000010 < 0.000010		0.21	0.000015 0.000013	< 0.00010 < 0.00010	0.00614 < 0.0210	0.00431 0.00417	0.0094 0.0101
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-17_NP	2022-03-10		0.002		0.00331	0.00156	4.43	136	< 0.000010		0.23		< 0.00010	< 0.00900	0.00389	0.0096
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-18_NP	2022-03-18		0.064		0.00279	0.0013	4.41	127	< 0.000010	5.17	0.21	0.000016	< 0.00010	0.00371	0.00412	0.0076
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-19_NP FR_ASPSEEP1_WS_2022-03-20_NP	2022-03-19 2022-03-20		0.065		0.00226 0.00214	0.00117 0.0012	4.24 4.17	124 121	< 0.000010 < 0.000010		0.2	0.000013 0.000012	< 0.00010 < 0.00010	< 0.00150 < 0.00180	0.00405 0.00403	0.0067 0.0074
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-20_NP FR_ASPSEEP1_WS_2022-03-21_NP	2022-03-20		0.065		0.00214	0.0012	4.17	121	0.000010		0.23		< 0.00010	< 0.00180	0.00403	0.0074
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-22_NP	2022-03-22	1280	0.068	189	0.00406	0.00144	4.2	122	< 0.000010	5.02	0.22	0.000015	< 0.00010	< 0.00270	0.00438	0.0085
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-23_NP	2022-03-23		0.078		0.00269	< 0.00250	4.16	118	< 0.000050		0.21	< 0.000050	< 0.00050	0.00184	0.00435	0.0154
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-26_NP	2022-03-26	1170	0.082	181	0.00231	0.00146	4.35	113	< 0.000010	5.55	0.19	0.000014	< 0.00010	< 0.00120	0.00439	0.0089

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX B - TABLE 3: Summary of Analytical Results for Total Metals

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			esa	直	(no	.≌	*=	l in	Ę	_	ii.	Ę	Ē	<u> </u>	<u>.</u>			
			rg l	Ē	Ē	seu	Ë	2	l E	Į.	ᄩ	<u>5</u>	ē	bal	oddo	Ē	ad	
Sample	Sample	Sample Date	Ξ	- Ē	Ā	Ā	Ba	å	ä	B	Cad	Ca	ភ	ပိ	ŭ	Iron	Le	
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L .ಲ	mg/L	mg/L	mg/L	mg/L .ບ	mg	/L	mg/L	
						<u>a</u>	onie	on in		onë.				on ite		te .	ute	oni
						Acute	Chror	Ş		Š				Acute		Acute	Acu	Š
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a	3.3-3.5ª
Fording River Operation	T																	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-27_NP FR_ASPSEEP1_WS_2022-03-28_NP	2022-03-27 2022-03-28	1090 1060	0.028 0.508	0.00039 0.00046	0.00022 0.00065	0.0497 0.061	< 0.020 0.000044	< 0.000050 < 0.000050	0.046 0.046	0.000252 0.000393	204 202	0.00012 0.00094	< 0.10 0.00068	0.00122 0.00269	0.035 0.938	< 0.0000 0.00079	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-26_NP FR_ASPSEEP1_WS_2022-03-29_NP	2022-03-28	1020	0.0533	0.00046	0.00065	0.0498	< 0.020	< 0.000050	0.046	0.000393	199	0.00094	0.0006	0.00269	0.936	< 0.0007	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-30_NP	2022-03-30	1040	0.0201	< 0.00050	< 0.00050	0.0446	< 0.100	< 0.000250	< 0.050	0.000248	167	< 0.00050	< 0.50	< 0.00250	< 0.050	< 0.0002	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-31_NP	2022-03-31	1030	0.0207	0.00037	0.00026	0.0424	< 0.020	< 0.000050	0.043	0.000205	164	0.00023	< 0.10	0.00111	0.028	< 0.0000	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-01_NP FR_ASPSEEP1_WS_2022-04-02_NP	2022-04-01 2022-04-02	1010 1090	0.0271 < 0.0150	0.00038 < 0.00050	0.0002 < 0.00050	0.0444 0.0412	< 0.020 < 0.100	< 0.000050 < 0.000250	0.038 < 0.050	0.000235 0.000231	164 169	0.00019 < 0.00050	< 0.10 < 0.50	0.00121 < 0.00250	0.038 < 0.050	< 0.0000 < 0.0002	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-08_NP	2022-04-02	993	0.0258	< 0.00050	< 0.00050	0.0412	< 0.100	< 0.000250	< 0.050	0.000231	180	< 0.00050	< 0.50	< 0.00250	< 0.050	< 0.0002	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-13_NP	2022-04-13	1020	0.0631	0.00037	0.0003	0.0478	< 0.020	< 0.000050	0.038	0.000266	177	0.00018	0.0002	0.00124	0.109	0.00016	168
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-14_NP	2022-04-14	985	0.0565	0.00034	0.00025	0.0407	< 0.020	< 0.000050	0.035	0.000265	178	0.00015	0.00013	0.00121	0.084	0.00009	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-21_NP FR_ASPSEEP1_WS_2022-05-02_NP	2022-04-21 2022-05-02	915 932	0.019 0.0031	0.0005 0.00046	0.00021 0.00015	0.038 0.04	< 0.020 < 0.020	< 0.000050 < 0.000050	0.032 0.029	0.000245 0.000248	156 163	0.00013 < 0.00010	0.00016 < 0.10	0.00097 0.00098	0.058 < 0.010	< 0.0000 < 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-03_NP	2022-05-02	916	< 0.0150	0.00046	0.00013	0.0367	< 0.020	< 0.000050	0.03	0.000246	175	< 0.00010	< 0.10	0.00082	0.017	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-05_NP	2022-05-05	1130	0.0535	0.00047	0.00024	0.0423	< 0.020	< 0.000050	0.029	0.000241	150	0.00019	0.00015	0.00123	0.097	0.00012	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-06_NP FR_ASPSEEP1_WS_2022-05-07_NP	2022-05-06 2022-05-07	875 888	< 0.0120 0.035	0.00056 0.00043	0.00017 0.00021	0.0367 0.0376	< 0.020 < 0.020	< 0.000050 < 0.000050	0.029 0.029	0.000237 0.000223	163 157	< 0.00010 0.00014	< 0.10 0.00011	0.00089 0.0012	0.014 0.066	< 0.0000	
FR ASPSEEP1	FR_ASPSEEP1_WS_2022-05-07_NP FR_ASPSEEP1_WS_2022-05-08_NP	2022-05-07	857	0.035	0.00043	0.00021	0.0376	< 0.020	< 0.000050	0.029	0.000223	151	0.00014	0.00011	0.0012	0.062	0.00008	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-09_NP	2022-05-09	816	0.0227	0.00052	0.00015	0.0363	< 0.020	< 0.000050	0.028	0.000225	154	< 0.00010	0.0001	0.00099	0.038	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-10_NP	2022-05-10	870	0.0935	0.0004	0.00025	0.0459	< 0.020	< 0.000050	0.026	0.000296	142	0.00058	0.0004	0.00157	0.169	0.00029	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-11_NP FR_ASPSEEP1_WS_2022-05-12_NP	2022-05-11 2022-05-12	852 791	0.0382	0.0004 0.00043	0.0002 0.00014	0.036 0.035	< 0.020 < 0.020	< 0.000050 < 0.000050	0.025 0.028	0.000214 0.000208	139 148	0.00033 0.0001	0.00019 < 0.10	0.00131 0.00139	0.057 < 0.010	0.00009	
FR ASPSEEP1	FR ASPSEEPT WS 2022-05-12 NP FR ASPSEEPT WS 2022-05-13 NP	2022-05-12	807	0.004	0.00043	0.00014	0.0304	< 0.020	< 0.000050	0.026	0.000208	149	0.0001	< 0.10	0.00093	< 0.010	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-14_NP	2022-05-14	771	0.0031	0.00039	0.00018	0.0313	< 0.020	< 0.000050	0.027	0.000236	156	< 0.00010	< 0.10	0.00099	< 0.010	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-15_NP	2022-05-15	836	< 0.0030	0.0004	0.00015	0.0322	< 0.020	< 0.000050	0.027	0.000248	151	< 0.00010	< 0.10	0.00086	< 0.010	< 0.0000	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-16_NP FR_ASPSEEP1_WS_2022-05-17_NP	2022-05-16 2022-05-17	847 853	0.111 0.0188	0.00043 0.00041	0.00021 0.00021	0.0389 0.0352	< 0.020 < 0.020	< 0.000050 < 0.000050	0.027 0.028	0.000277 0.000233	151 156	0.00031 0.00019	0.00016 < 0.10	0.00115 0.00098	0.129	0.00013 < 0.0000	
FR ASPSEEP1	FR ASPSEEP1 WS 2022-05-17 NP	2022-05-17	820	0.041	0.00041	0.00021	0.0332	< 0.020	< 0.000050	0.029	0.000238	159	0.00015	< 0.10	0.00090	0.069	0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-20_NP	2022-05-20	842	0.035	0.00042	0.00017	0.0394	< 0.020	< 0.000050	0.027	0.000222	159	0.00015	< 0.10	0.00115	0.04	0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-21_NP	2022-05-21	840	0.0035	0.00038	0.00017	0.0341	< 0.020	< 0.000050	0.027	0.00023	155	< 0.00010	< 0.10 < 0.10	0.00085	< 0.010	< 0.0000 < 0.0000	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-23_NP FR_ASPSEEP1_WS_2022-05-24_NP	2022-05-23 2022-05-24	868 850	0.0146 0.0207	0.00037 0.00037	0.00019 0.00015	0.0349 0.0356	< 0.020 < 0.020	< 0.000050 < 0.000050	0.022 0.029	0.00024 0.000238	150 158	< 0.00010 0.00013	< 0.10	0.00086 0.00093	0.013 0.035	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-25_NP	2022-05-25	847	0.0095	0.0004	0.00016	0.0341	< 0.020	< 0.000050	0.024	0.000233	158	< 0.00010	< 0.10	0.00086	0.013	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-26_NP	2022-05-26	857	0.0101	0.00038	0.00019	0.0333	< 0.020	< 0.000050	0.026	0.000236	158	< 0.00010	< 0.10	0.00079	0.015	< 0.0000	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-27_NP FR_ASPSEEP1_WS_2022-05-28_NP	2022-05-27 2022-05-28	837 823	0.0107 0.0076	0.00034 0.00035	0.00022 0.00023	0.036 0.0362	< 0.020 < 0.020	< 0.000050 < 0.000050	0.027 0.027	0.000233 0.000232	155 154	0.00012 0.00017	< 0.10 < 0.10	0.00085 0.00089	0.012 0.012	< 0.0000 < 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-26_NP FR_ASPSEEP1_WS_2022-05-29_NP	2022-05-28	820	< 0.0076	0.00039	0.00023	0.0362	< 0.020	< 0.000050	0.027	0.000232	152	< 0.00017	< 0.10	0.00089	< 0.012	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-30_NP	2022-05-30	808	0.0219	0.00037	0.00015	0.0353	< 0.020	< 0.000050	0.027	0.000219	148	0.0001	< 0.10	0.0009	0.027	< 0.0000	0050
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-01_NP	2022-06-01	760	0.0055	0.00038	0.0005	0.0318	< 0.020	< 0.000050	0.026	0.000208	140	0.00012	< 0.10	0.00084	< 0.010	< 0.0000	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-02_NP FR_ASPSEEP1_WS_2022-06-03_NP	2022-06-02 2022-06-03	782 764	0.0258 0.0265	0.00039 0.00038	0.00019 0.0002	0.0375 0.0324	< 0.020 < 0.020	< 0.000050 < 0.000050	0.024 0.028	0.000196 0.000191	143 139	0.00019 < 0.00010	< 0.10 < 0.10	0.00104 0.00088	0.042	0.00009	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-04_NP	2022-06-03	470	0.0203	0.00051	0.0002	0.0324	< 0.020	< 0.000050	0.028	0.000191	88.5	0.00014	0.00045	0.00074	0.057	0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-05_NP	2022-06-05	730	< 0.0030	0.00037	0.00014	0.0307	< 0.020	< 0.000050	0.025	0.000241	140	< 0.00010	_	0.0009	< 0.010	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-06_NP	2022-06-06	724	0.0352	0.00041	0.00017	0.0316	< 0.020	< 0.000050	0.025	0.000207	140	0.00018	< 0.10	0.00111	0.032	< 0.0000	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-07_NP FR_ASPSEEP1_WS_2022-06-08_NP	2022-06-07 2022-06-08	781 724	0.0192 0.0231	0.00037 0.00035	0.00018 0.00016	0.0356 0.0298	< 0.020 < 0.020	< 0.000050 < 0.000050	0.026 0.024	0.000193 0.000201	142 134	< 0.00010 0.00011	< 0.10 < 0.10	0.0009 0.00094	0.021	< 0.0000 < 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-09_NP	2022-06-09	775	0.0056	0.00032	0.00010	0.0278	< 0.020	< 0.000050	0.023	0.000187	122	< 0.00011	< 0.10	0.00034	< 0.010	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-10_NP	2022-06-10	724	0.0065	0.00042	0.00014	0.0308	< 0.020	< 0.000050	0.024	0.000199	128	0.00042	< 0.10	0.00119	0.032	< 0.0000	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-11_NP FR_ASPSEEP1_WS_2022-06-12_NP	2022-06-11 2022-06-12	714 726	0.028 0.0148	0.00035 0.00035	0.00014 0.00013	0.0314	< 0.020 < 0.020	< 0.000050 < 0.000050	0.024 0.023	0.000217 0.000201	128 126	0.0001 0.00014	< 0.10 < 0.10	0.00088 0.00084	0.042	0.00008 < 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-12_NP FR_ASPSEEP1_WS_2022-06-13_NP	2022-06-12	711	0.0146	0.00038	0.00013	0.0301	< 0.020	< 0.000050	0.023	0.000201	128	0.00014	< 0.10	0.00064	0.04	0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-20_NP	2022-06-20	648	0.0235	0.0004	0.0002	0.0285	< 0.020	< 0.000050	0.027	0.000184	119	0.00011	< 0.10	0.00104	0.041	< 0.0000	0050
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-07-04_NP	2022-07-04	743	0.0192	0.00037	0.00015	0.0318	< 0.020	< 0.000050	0.027	0.000202	138	< 0.00010	< 0.10	0.00116	0.035	< 0.0000	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-07-11_NP FR_ASPSEEP1_WS_2022-07-18_NP	2022-07-11 2022-07-18	760 823	0.0197 0.0521	0.00036 0.0004	0.00016 0.00021	0.032 0.0389	< 0.020 < 0.020	< 0.000050 < 0.000050	0.028	0.000218 0.000353	138 142	< 0.00010 0.00016	< 0.10 0.00016	0.00107 0.00125	0.02 0.086	< 0.0000 0.00010	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-07-16_NP	2022-07-18	887	0.0051	0.0004	0.00021	0.0375	< 0.020	< 0.000050	0.027	0.000353	151	< 0.00010	< 0.10	0.000123	< 0.010	< 0.00010	
FR_ASPSEEP1	FR_ASPSEEP1_SEEP_2022-07-01_NP	2022-08-03	897	0.0049	0.00035	0.00017	0.0417	< 0.020	< 0.000050	0.032	0.000262	176	< 0.00010	< 0.10	-	< 0.010	< 0.0000	0050
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-08-11_NP	2022-08-11	959	0.0099	0.00033	0.00015	0.0405	< 0.020	< 0.000050	0.027	0.000249	172	0.0001	< 0.10	0.00101	0.017	< 0.0000	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-08-18_NP	2022-08-18	1100	0.0075	0.00034	0.00019	0.0433	< 0.020	< 0.000050	0.028	0.000264	186	0.0002	< 0.10	0.00107	< 0.010	< 0.0000	JUJU

< Denotes concentration less than indicated detection limit

BOLD ITALIC Concentrate greater than the chronic (30-Day average) BCWQG for FWAL Concentrate greater than the acute (short term) BCWQG for FWAL

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Exported: 2022-11-07

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX B - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals								
			v			ese		Ε	_			Ε				*		
			nes	E.	iesi	gane	*	ssin	nium	<u>.</u>	툍	Ę	<u> </u>		E E	Ē		
0	O It	0	ard	<u>‡</u>	lagr	lanç	icke	otas	Seler	Silve	Sodium	Strontiu	hall	.⊑	itan	ran	ii.	
Sample Location	Sample ID	Sample Date (mm/dd/yyyy)	ゴ mg/L	ma/L	≊ mg/L	 mg/L	mg/L	ng/L	μg/L			ဟ mg/L	⊢ mg/L	⊢ mg/L	⊢ mg/L	 mg/L	i\(\bar{\pi}\)	
		(g	g	g	U	ic e	g		.º		3	5-			į.		
						Acute	hror		Chronic	cute						hron	interest	Chror
BC WQG FWAL			n/a	n/a	n/a	· · · · · · · · · · · · · · · · · · ·	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	2/2	2/2	n/a	n/a	n/a	0.0085	0.033-2ª	0.0075-2 ^a
Fording River Operation			IIIa	II/a	II/a	0.001-0.03 0.0009-0.01	0.025-0.15	II/a		0.0001-0.003 0.00005-0.0015	IIIa	II/a	II/a	II/a	II/a	0.0005	0.033-2	0.0075-2
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-27_NP	2022-03-27		0.077		0.00188	0.00145	4.53		< 0.000010		0.17		< 0.00010	0.0009	0.00409	0.008	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-28_NP FR_ASPSEEP1_WS_2022-03-29_NP	2022-03-28 2022-03-29		0.075	171 176	0.0265 0.00352	0.00319 0.00155	4.36 4.6	103 110	0.000033 < 0.000010		0.17	0.000031 0.000013	< 0.00010 < 0.00010	0.0118 0.00222	0.00426 0.00404	0.020	
FR ASPSEEP1	FR ASPSEEP1 WS 2022-03-30 NP	2022-03-29		0.064	157	0.00332	< 0.00250	3.88	95.95	< 0.000010		0.17	< 0.000013	< 0.00010	< 0.00222	0.00363	< 0.01	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-03-31_NP	2022-03-31		0.063	149	0.00108	0.00125	4.1	101	< 0.000010		0.16	0.000013	< 0.00010	0.00045	0.00365	0.01	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-01_NP FR_ASPSEEP1_WS_2022-04-02_NP	2022-04-01 2022-04-02		0.063	150 149	0.00145 0.00055	0.00128 < 0.00250	4.11 3.73	105 104	< 0.000010 < 0.000050		0.16	0.000014 < 0.000050	< 0.00010 < 0.00050	< 0.00090 < 0.00150	0.00401 0.00346	0.010 < 0.01	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-08_NP	2022-04-02		0.065	146	0.00033	< 0.00250	3.54	110	< 0.000050		0.18	< 0.000050	< 0.00050	< 0.00150	0.00340	< 0.01	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-13_NP	2022-04-13		0.057	134	0.0036	0.00175	3.8	124	< 0.000010		0.18	0.000014	< 0.00010	< 0.00150	0.00425	0.01	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-04-14_NP FR_ASPSEEP1_WS_2022-04-21_NP	2022-04-14 2022-04-21	985	0.055	136 127	0.00406 0.00382	0.00146 0.00124	3.69 3.82	128 100	< 0.000010 < 0.000010		0.18	0.000012 0.00001	< 0.00010 < 0.00010	0.00156 < 0.00060	0.00421 0.00378	0.00	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-02_NP	2022-04-21	932	0.051	125	0.00382	0.00124	4.2	131	< 0.000010		0.17	0.00001	< 0.00010	< 0.00030	0.00378	0.010	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-03_NP	2022-05-03		0.046	119	0.00067	0.00124	3.73	139	< 0.000010		0.19	0.00001	< 0.00010	< 0.00030	0.00388	0.009	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-05_NP FR_ASPSEEP1_WS_2022-05-06_NP	2022-05-05 2022-05-06		0.047	119 125	0.00314 0.00108	0.00169 0.00127	3.72 3.69	132 129	< 0.000010 < 0.000010		0.19	0.000015 0.000011	< 0.00010 < 0.00010	0.00119 < 0.00030	0.00366 0.00344	0.013	
FR ASPSEEP1	FR ASPSEEP1 WS 2022-05-07 NP	2022-05-07		0.048	118	0.00215	0.00127	3.7	136	< 0.000010		0.18	0.000011	< 0.00010	0.00106	0.00344	0.009	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-08_NP	2022-05-08	857	0.046	115	0.00187	0.00138	3.6	133	< 0.000010		0.18	0.000013	< 0.00010	0.00101	0.00364	0.010	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-09_NP FR_ASPSEEP1_WS_2022-05-10_NP	2022-05-09 2022-05-10		0.045	113 120	0.00162 0.0138	0.00133 0.00215	3.62 3.38	130 117	< 0.000010 < 0.000010		0.17	0.000011 0.000014	< 0.00010 < 0.00010	0.00067 0.00279	0.00336 0.00296	0.013	
FR ASPSEEP1	FR ASPSEEP1 WS 2022-05-10 NP	2022-05-10	852	0.039	112	0.00394	0.00213	3.23	114	< 0.000010		0.15	< 0.000014	< 0.00010	0.00273	0.00290	0.012	
FR_ASPSEEP1	FR ASPSEEP1 WS 2022-05-12 NP	2022-05-12		0.044	111	0.00072	0.00136	3.55	117	< 0.000010		0.16	0.00001	< 0.00010	< 0.00030	0.0031	0.0	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-13_NP FR_ASPSEEP1_WS_2022-05-14_NP	2022-05-13 2022-05-14	807 771	0.043	111 114	< 0.00040 < 0.00030	0.00112 0.00121	3.2	115 117	< 0.000010 < 0.000010		0.16	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00303 0.00313	0.008	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-15_NP	2022-05-15		0.046	107	0.00028	0.00121	3.44	120	< 0.000010		0.17	0.000010	< 0.00010	< 0.00030	0.0034	0.010	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-16_NP	2022-05-16	847		109	0.00444	0.00154	3.55	119	< 0.000010		0.16	0.000013	< 0.00010	< 0.00300	0.00339	0.01	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-17_NP FR_ASPSEEP1_WS_2022-05-19_NP	2022-05-17 2022-05-19	853 820	0.046	118 125	0.00147 0.0021	0.00137 0.00149	3.59 3.6	115 129	< 0.000010 0.000115		0.17	< 0.000010 < 0.000020	< 0.00010 < 0.00010	< 0.00060 < 0.00150	0.0033 0.00339	0.010	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-20_NP	2022-05-20		0.046	124	0.00197	0.00149	3.76	121	< 0.000110		0.17	0.000011	< 0.00010	0.00066	0.00331	0.01	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-21_NP	2022-05-21		0.044	115	0.00036	0.00124	3.48	118	< 0.000010		0.16	< 0.000010	< 0.00010	< 0.00030	0.00325	0.010	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-23_NP FR_ASPSEEP1_WS_2022-05-24_NP	2022-05-23 2022-05-24	868 850	0.043	112 111	0.0009 0.00174	0.00091 0.00132	3.47 3.44	113 109	< 0.000010 < 0.000010		0.16	0.00001 0.00001	< 0.00010 < 0.00010	0.00052 < 0.00060	0.00316 0.00329	0.01	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-25_NP	2022-05-25		0.042	114	0.00072	0.0013	3.27	109	< 0.000010		0.16	< 0.000010	< 0.00010	0.00044	0.00325	0.010	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-26_NP	2022-05-26		0.043	115	0.0006 0.00079	0.00131	3.29	108	< 0.000010 < 0.000010		0.17	< 0.000010 < 0.000010	< 0.00010	< 0.00030 0.00043	0.00319	0.009	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-27_NP FR_ASPSEEP1_WS_2022-05-28_NP	2022-05-27 2022-05-28	823	0.043	113 115	0.00079	0.00094 0.0009	3.48 3.51	108 109	< 0.000010		0.17	< 0.000010	< 0.00010 < 0.00010	< 0.00043	0.00314 0.00308	300.0	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-29_NP	2022-05-29	820	0.045	118	0.00026	0.00133	3.57	110	< 0.000010	3.48	0.16	< 0.000010	< 0.00010	< 0.00030	0.00296	0.010	07
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-05-30_NP FR_ASPSEEP1_WS_2022-06-01_NP	2022-05-30 2022-06-01	808	0.044	116 107	0.00168 0.00053	0.00123 0.00118	3.51	105 108	< 0.000010 < 0.000010		0.16	< 0.000010 < 0.000010	< 0.00010 < 0.00010	0.00081 < 0.00030	0.00288 0.00296	0.009	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-01_NP FR_ASPSEEP1_WS_2022-06-02_NP	2022-06-02		0.041	107	0.00053	0.0017	3.32	97.3	0.000010		0.15	0.000010	< 0.00010	< 0.00030	0.00296	0.009	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-03_NP	2022-06-03	764	0.038	107	0.00162	0.00122	3.35	102	0.00006	3.04	0.14	< 0.000010	< 0.00010	0.00075	0.00272	0.009	95
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-04_NP	2022-06-04		0.027	64 107	0.0132	0.00272	2.64 3.09	56.6 96.8	< 0.000010		0.1	0.000015	< 0.00010	0.00098 < 0.00030	0.00184	0.006	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-05_NP FR_ASPSEEP1_WS_2022-06-06_NP	2022-06-05 2022-06-06				0.00031 0.00106	0.00122 0.00122	3.09		< 0.000010 0.000015			< 0.000010 0.000011		< 0.00030		0.009	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-07_NP	2022-06-07	781	0.041	106	0.00086	0.00123	3.08	97.9	< 0.000010	3.16	0.14	< 0.000010	< 0.00010	< 0.00060	0.00294	0.009	97
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-08_NP FR_ASPSEEP1_WS_2022-06-09_NP	2022-06-08 2022-06-09		0.038		0.00146 0.0004	0.0011	3.17		< 0.000010 < 0.000010			< 0.000010 < 0.000010	< 0.00010 < 0.00010	0.00066 < 0.00030	0.00272	0.010	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-09_NP FR_ASPSEEP1_WS_2022-06-10_NP	2022-06-09			94.8	0.0004	0.00109 0.00118	3.04 3.42		< 0.000010		0.13		< 0.00010	< 0.00030	0.00243 0.00255	0.013	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-11_NP	2022-06-11	714	0.038	90.4	0.002	0.00119	3.25	91.1	< 0.000010	2.89	0.14	< 0.000010	< 0.00010	0.00088	0.00253	0.009	95
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-12_NP FR_ASPSEEP1_WS_2022-06-13_NP	2022-06-12 2022-06-13		0.038	92.7 94.9	0.00138 0.001	0.00111 0.00119	3.25 3.18	89.9 92.7			0.14		< 0.00010 < 0.00010	0.00047 0.00062	0.00252 0.00262	0.009	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-06-13_NP FR_ASPSEEP1_WS_2022-06-20_NP	2022-06-13		0.036		0.001	0.00119	3.10	81	< 0.000039		0.13		0.00017	< 0.00062	0.00262	0.009	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-07-04_NP	2022-07-04	743	0.043	105	0.00113	0.00123	3.25	89.2	< 0.000010	3.06	0.14	< 0.000010	< 0.00010	0.0004	0.00268	0.010	04
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-07-11_NP FR_ASPSEEP1_WS_2022-07-18_NP	2022-07-11 2022-07-18		0.041		0.00103 0.00425	0.00108 0.00166	3.13 3.53				0.14	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00150		0.009	
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-07-16_NP FR_ASPSEEP1_WS_2022-07-25_NP	2022-07-18		0.047		0.00423	0.00188	3.46		< 0.000010		0.14		< 0.00010	< 0.00130	0.00263	0.010	
FR_ASPSEEP1	FR_ASPSEEP1_SEEP_2022-07-01_NP	2022-08-03	897	0.054	139	0.00046	0.00138	3.8	110		4.06	0.17	0.000011	< 0.00010	< 0.00030	0.00357	0.01	
FR_ASPSEEP1 FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-08-11_NP FR_ASPSEEP1_WS_2022-08-18_NP	2022-08-11 2022-08-18		0.048		0.00104 0.00051	0.0014 0.0015	3.9	106 97.3			0.16	< 0.000010 0.000016	< 0.00010	< 0.00030 < 0.00030	0.0034 0.0038	0.010	
LK_WOLOFFLI	FR_ASPSEEFI_WS_ZUZZ-U8-18_NP	2022-08-18	1100	0.053	159	0.00001	0.0015	ა.ყ	97.3	< 0.000010	4.32	U. 18	0.000016	< 0.00010	< 0.00030	0.0038	0.01	17

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX B - TABLE 3: Summary of Analytical Results for Total Metals

			ſ								Total Metals						
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Sample	Sample	Sample Date	포	₽	Aut	Ars	Bar	Ber	Bis	Bor	Cad	Cal	동	8	S	<u>r</u> o	Le
Location	ID	(mm/dd/yyyy)	_	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg		mg/L
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						Acute	Ī	l o		2				Acute		Acute	ute l
						ĕ	ភូ	ნ		ర్						¥	¥ 5
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Fording River Operation FR ASPSEEP1	FR ASPSEEP1 WS 2022-08-24 NP	2022-08-24	1130	0.028	0.00034	0.00018	0.0444	< 0.020	< 0.000050	0.031	0.000266	200	0.00012	< 0.10	0.001	0.046	0.000066
FR ASPSEEP1	FR ASPSEEP1 WS 2022-09-01 NP	2022-00-24	1160	0.0561	0.00034	< 0.00010	0.0444	< 0.020	< 0.000050	0.035	0.000200	206	0.00012	0.00019	0.001	0.109	0.000149
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-09-05_NP	2022-09-05	1200	0.0668	0.00034	0.00028	0.0496	< 0.020	< 0.000050	0.032	0.00031	200	0.00021	0.0002	0.00117	0.12	0.000146
FR_BLAINESEEP1	FR_BAINESEEP1_WS_2022-04-27_NP	2022-04-27	2100	0.0153	0.00054	< 0.00020	0.0147	< 0.040	< 0.000100	0.041	0.000117	314	< 0.00020	< 0.20	< 0.00100	0.023	< 0.000100
FR_BLAINESEEP1	FR_BLAINESEEP1_SEEP_2022-07-01_NP	2022-07-19	1790	0.0085	0.00061	< 0.00020	0.0152	< 0.040	< 0.000100	0.034	0.000906	315	< 0.00020	< 0.20	0.00124	0.022	< 0.000100
FR_BLAINESEEP1 FR_BLAINESEEP5	FR_BLAINESEEP1_SEEP_2022-09-01_NP FR_BLAINESEEP5_SEEP_2022-04-11_NP	2022-09-15 2022-06-10	2240 2340	0.0863 0.666	0.00058 0.00073	0.00047 0.00096	0.0243 0.0486	< 0.020 0.000058	< 0.000050 < 0.000100	0.038 0.081	0.000745 0.000329	355 374	0.0002 0.00106	0.00018	0.00104 0.00304	0.152 1.2	0.000159 0.00123
FR BLAINESEEP5	FR BLAINESEEP5 SEEP 2022-09-26 NP	2022-00-10	2350	0.863	0.00073	0.0008	0.0450	0.000055	< 0.000100	0.065	0.000329	379	0.00083	0.0001	0.00304	1.23	0.00123
FR_BLAKESEEP1	FR_BLAKESEEP1_SEEP_2022-04-11_NP	2022-05-16	729	0.0443	0.0004	0.0003	0.0474	< 0.020	< 0.000050	0.029	0.0000952	181	0.00019	0.00033	0.00087	0.131	0.000115
FR_BLAKESEEP1	FR_BLAKESEEP1_SEEP_2022-09-22_NP	2022-09-22	728	0.0269	0.00042	0.00032	0.042	< 0.020	< 0.000050	0.033	0.000115	200	0.0001	0.0003	< 0.00050	0.054	0.00008
FR_CCSEEPE1	FR_CCSEEPE1_SEEP_2022-04-11_NP	2022-06-10	1180	< 0.0030	0.00095	0.00012	0.0132	< 0.020	< 0.000050	0.036	0.000989	244	< 0.00010	0.00047	0.00054	< 0.010	< 0.000050
FR_CCSEEPE1 FR_CCSEEPE1	FR_CCSEEPE1_2022-06-17_N FR_CCSEEPE1_SEEP_2022-07-01_NP	2022-06-17 2022-08-22	1240 1410	< 0.0030 0.0044	0.00093 0.00099	0.00013 0.00022	0.0136 0.0151	< 0.020 < 0.020	< 0.000050 < 0.000050	0.038 0.043	0.00106 0.00146	268 384	< 0.00010 < 0.00010	0.00048 0.00062	0.00054 0.00067	< 0.010 < 0.010	< 0.000050 < 0.000050
FR CCSEEPSE1	FR CCSEEPSE1 2022-07-01_N	2022-03-28	2100	< 0.0060	0.00099	< 0.00022	0.0137	< 0.020	< 0.000100	0.043	0.00140	458	< 0.00010	0.00074	< 0.00100	< 0.010	< 0.000030
FR_CCSEEPSE1	FR_CCSEEPSE1_SEEP_2022-04-11_NP	2022-06-10	1590	0.0285	0.00083	0.00039	0.0163	< 0.040	< 0.000100	0.022	0.000967	297	< 0.00020	0.00029	< 0.00100	0.048	< 0.000100
FR_CCSEEPSE1	FR_CCSEEPSE1_SEEP_2022-07-01_NP	2022-08-22	1590	0.0091	0.00083	0.00037	0.0144	< 0.020	< 0.000050	0.02	0.00144	316	< 0.00010	0.00028	0.00191	< 0.010	< 0.000050
FR_DOKASEEP1	FR_DOKASEEP1_SEEP_2022-04-11_NP	2022-05-16	283	0.0858	0.00014	0.00022	0.0949	< 0.020	< 0.000050	0.025	0.0000181	77.4	0.00025	< 0.10	0.0006	0.092	0.000114
FR_DOKASEEP1 FR_DOKASEEP1	FR_DOKASEEP1_SEEP_2022-07-01_NP FR_DOKASEEP1_SEEP_2022-09-21_NP	2022-07-29 2022-09-21	298 260	0.317 0.0686	0.00015 < 0.00010	0.00041 0.00027	0.12 0.102	< 0.020 < 0.020	< 0.000050 < 0.000050	0.039 0.027	0.00006 0.0000153	83.7 82.1	0.00067 0.00011	0.00022 < 0.10	0.001 < 0.00050	0.467 0.121	0.000313 0.000101
FR_DORASEEF1	FR EAGLENORTH SEEP 2022-04-11 NP	2022-09-21	2370	< 0.0060	0.0005	0.00027	0.102	< 0.020	< 0.000030	0.027	0.0000133	411	< 0.00011	< 0.20	< 0.00030	< 0.020	< 0.000101
FR EAGLENORTH	FR EAGLENORTH SEEP 2022-07-01 NP	2022-07-06	2310	< 0.0060	0.00051	< 0.00020	0.0158	< 0.040	< 0.000100	0.028	0.000885	411	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.000100
FR_EAGLENORTH	FR_EAGLE NORTH_SEEP_2022-09-22_NP	2022-09-22	2340	0.0554	0.00058	0.00039	0.0186	< 0.040	< 0.000100	0.029	0.0013	459	0.00022	0.00033	0.00242	0.167	0.000243
FR_FCSEEP2	FR_FCSEEP2_SEEP_2022-04-11_NP	2022-06-10	159	0.0057	0.00011	< 0.00010	0.0391	< 0.020	< 0.000050	< 0.010	0.0000085	37.2	0.00011	< 0.10	< 0.00050	< 0.010	< 0.000050
FR_FCSEEP2 FR_FRVWSEEP3	FR_FCSEEP2_SEEP_2022-09-22_NP FR_FRVWSEEP3_SEEP_2022-04-11_NP	2022-09-22 2022-06-16	241 765	0.0205 0.0077	0.00014 0.00054	0.0002 0.00011	0.0818 0.0223	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 0.011	0.0000222 0.0000559	73.4 120	0.00022 < 0.00010	< 0.10 0.00043	< 0.00050 < 0.00050	0.026 0.011	< 0.000050 < 0.000050
FR FRVWSEEP3	FR FRVWSEEP3 SEEP 2022-09-08 NP	2022-00-10	1010	0.0077	0.00034	0.00011	0.0223	< 0.020	< 0.000050	0.011	0.0000539	177	0.00017	< 0.10	< 0.00050	0.011	< 0.000050
FR_FSEAMSEEP7	FR_FSEAMSEEP7_SEEP_2022-04-11_NP	2022-05-16	441	0.5	0.00081	0.00064	0.086	0.00008	< 0.000050	0.017	0.000139	104	0.00084	0.00128	0.0019	0.97	0.00156
FR_FSEAMSEEP7	FR_FSEAMSEEP7_SEEP_2022-07-01_NP	2022-07-20	368	0.146	0.00102	0.00043	0.116	< 0.020	< 0.000050	0.037	0.0000193	89.2	0.00033	0.00027	0.00106	0.14	0.00014
FR_FSEAMWSEEP4	FR_FSEAMWSEEP4_SEEP_2022-04-11_NP	2022-06-16	505	0.109	0.00147	0.00031	0.0744	0.000023	< 0.000050	0.028	0.000244	114	0.0004	0.00208	0.00156	0.471	0.000634
FR_HENSEEP3 FR_HENSEEP3	FR_HENSEEP3_SEEP_2022-04-11_NP FR_HENSEEP3_SEEP_2022-05-16_NP	2022-04-11 2022-05-16	1710 1860	0.0166 < 0.0090	0.00031 0.00021	0.00021 < 0.00020	0.0416 0.0402	< 0.040 < 0.040	< 0.000100 < 0.000100	0.022 < 0.020	0.000156 0.000131	324 382	< 0.00020 < 0.00020	< 0.20 < 0.20	0.00113 < 0.00100	0.046 < 0.020	< 0.000100 < 0.000100
FR HENSEEP3	FR HENSEEP3 SEEP 2022-07-01 NP	2022-03-10	1580	0.0069	0.00021	< 0.00020	0.0324	< 0.040	< 0.000100	< 0.020	0.000131	322	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.000100
FR_HENSEEP3	FR_HENSEEP3_SEEP_2022-09-21_NP	2022-09-21	1590	0.007	< 0.00020	0.00028	0.0359	< 0.040	< 0.000100	< 0.020	0.000192	349	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.000100
FR_HENSSEEP1	FR_HENSEEP1_SEEP_2022-04-11_NP	2022-04-11	1030	0.235	0.00028	0.0004	0.0899	0.000023	< 0.000050	< 0.010	0.000282	250	0.00049	0.00033	0.00144	0.388	0.000352
FR_HENSSEEP1	FR_HENSSEEP1_SEEP_2022-07-01_NP	2022-07-14	1360	0.0221	0.00035	< 0.00020	0.051	< 0.040	< 0.000100	< 0.020	0.000261	330	< 0.00020	< 0.20	< 0.00100	0.038	< 0.000100
FR_LMCWSEEP5 FR_LMCWSEEP5	FR_LMCWSEEP5_SEEP_2022-04-11_NP FR_LMCWSEEP5_SEEP_2022-07-01_NP	2022-06-16 2022-07-06	271 316	0.218 0.0285	0.00028 0.00027	0.00029 0.00018	0.0318 0.0282	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	0.000114 0.0000918	50.9 67.8	0.00052 0.00011	0.00034 < 0.10	0.00155 0.00087	0.357 0.073	0.000338 0.000077
FR_LMCWSEEP5	FR_LMCWSEEP5_SEEP_2022-09-22_NP	2022-07-00	664	0.0265	0.00027	0.00010	0.0282	< 0.020	< 0.000050	0.011	0.0000310	152	< 0.00011	< 0.10	0.00058	0.016	< 0.000077
FR_SCRDSEEP1	FR_SCRDSEEP1_SEEP_2022-04-11_NP	2022-05-19	1430	0.0102	0.00225	0.00098	0.0899	< 0.020	< 0.000050	0.021	0.000349	341	0.00012	0.00791	0.00182	0.022	0.000053
FR_SCRDSEEP1	FR_SCRDSEEP1_SEEP_2022-09-21_NP	2022-09-21	1820	0.0155	0.00104	0.00037	0.0196	< 0.040	< 0.000100	< 0.020	0.00108	322	< 0.00020	0.00061	0.00126	0.038	< 0.000100
FR_SPRWSEEP1 FR_SPRWSEEP1	FR_SPRPSEEP1_WS_2022-04-27_NP	2022-04-27 2022-07-14	636 642	0.111	0.00122 0.000525	0.00028	0.0401 0.05595	< 0.020	< 0.000050	0.039 0.0795	0.000482	143 145.5	0.0002	0.00026 < 0.10	0.00105	0.257	0.000351
FR STPNSEEP	FR_SPRWSEEP1_SEEP_2022-07-01_NP FR_STPNSEEP_SEEP_2022-04-11_NP	2022-07-14	493	0.1294 0.0048	0.000525	0.000345 < 0.00010	0.05595	< 0.020 < 0.020	< 0.000050 < 0.000050	0.0795	0.000526 0.0000562	145.5	< 0.00010 0.00015	< 0.10	0.001975 < 0.00050	< 0.010 < 0.010	< 0.000050 < 0.000050
FR_STPNSEEP	FR_STPNSEEP_SEEP_2022-07-01_NP	2022-03-13	279	0.0035	0.00019	< 0.00010	0.0595	< 0.020	< 0.000050	0.013	0.0000302	64.1	0.00013	< 0.10	< 0.00050	0.013	< 0.000050
FR_STPSWSEEP	FR_STPSWSEEP_SEEP_2022-04-11_NP	2022-05-19	610	0.0086	< 0.00010	0.0001	0.0597	< 0.020	< 0.000050	0.032	0.000116	124	< 0.00010	0.00034	< 0.00050	0.084	< 0.000050
FR_STPSWSEEP	FR_STPSWSEEP_SEEP_2022-07-01_NP	2022-07-15	597	0.0035	< 0.00010	< 0.00010	0.0628	< 0.020	< 0.000050	0.032	0.000253	121	< 0.00010	0.00033	< 0.00050	0.032	< 0.000050
FR_STPSWSEEP FR_STPWSEEP	FR_STPSWSEEP_SEEP_2022-09-23_NP FR_STPWSEEP_SEEP_2022-04-11_NP	2022-09-23 2022-05-19	628 566	0.005 < 0.0030	0.00012 < 0.00010	0.00011 < 0.00010	0.06 0.0723	< 0.020 < 0.020	< 0.000050 < 0.000050	0.032 0.032	0.00028 0.00048	121 124	< 0.00010 < 0.00010	0.0003 0.00061	< 0.00050 < 0.00050	< 0.010 < 0.010	< 0.000050 < 0.000050
FR_STPWSEEP FR_STPWSEEP	FR_STPWSEEP_SEEP_2022-04-11_NP FR_STPWSEEP_SEEP_2022-07-01_NP	2022-05-19	575	0.0122	< 0.00010	0.00010	0.0723	< 0.020	< 0.000050	0.032	0.00048	109	< 0.00010	0.00061	< 0.00050	0.152	< 0.000050
FR_STPWSEEP	FR_STPSWSEEP_SEEP_2022-09-12_NP	2022-07-13	637	0.0071	0.00010	0.0004	0.0628	< 0.020	< 0.000050	0.033	0.0003	132	0.00041	0.00034	< 0.00050	0.018	< 0.000050
FR_STPWSEEP	FR_STPWSEEP_SEEP_2022-09-23_NP	2022-09-23	625	0.0038	< 0.00010	0.00012	0.0766	< 0.020	< 0.000050	0.033	0.000347	124	< 0.00010	0.00043	< 0.00050	< 0.010	< 0.000050
FR_TBWSEEP1	FR_TBWSEEP1_SEEP_2022-04-11_NP	2022-04-11	728	0.0065	0.00012	0.00011	0.121	< 0.020	< 0.000050	0.012	0.0000619	169	0.00021	< 0.10	< 0.00050	0.014	< 0.000050
FR_TBWSEEP1 FR_TURNSEEP1	FR_TBWSEEP1_SEEP_2022-07-01_NP FR_TURNSEEP1_SEEP_2022-04-11_NP	2022-07-20	688 1030	0.0041 0.0152	0.00014 0.00076	< 0.00010 0.00014	0.08755	< 0.020 < 0.020	< 0.000050 < 0.000050	0.0185 0.023	0.00005305 0.000479	161 222	0.000225 < 0.00010	< 0.10 < 0.10	0.00061 < 0.00050	0.0105 0.027	< 0.000050 0.000111
FR_TURNSEEP1	FR_TURNSEEP1_SEEP_2022-04-11_NP FR_TURNSEEP1_SEEP_2022-07-01_NP	2022-04-11 2022-07-14	681	0.0152	0.00076	0.00014	0.0598 0.0412	< 0.020	< 0.000050	0.023	0.000479	151	< 0.00010	< 0.10	< 0.00050	< 0.027	< 0.000111
FR_TURNSEEP1	FR_TURNSEEP1_SEEP_2022-09-21_NP	2022-09-21	929	0.0252	0.00067	0.00011	0.0412	< 0.020	< 0.000050	0.017	0.0000758	203	0.00010	0.00014	0.00057	0.077	0.00011
FR_TURNSEEP2	FR_TURNSEEP2_SEEP_2022-04-11_NP	2022-04-11	831	0.015	0.00017	0.00013	0.188	< 0.020	< 0.000050	0.013	0.000129	197	0.0002	< 0.10	< 0.00050	0.026	< 0.000050
FR_TURNSEEP2	FR_TURNSEEP2_SEEP_2022-07-01_NP	2022-07-14	783	< 0.0030	0.000185	0.000155	0.182	< 0.020	< 0.000050	0.0155	0.0000918	201.5	0.000115	< 0.10	< 0.00050	< 0.010	< 0.000050

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX B - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals								
			s			es		Ε	_			Ε				*		
			Jes	i.	iesi	a ne	*	ssiu	nium	_	Ę	Ē	<u> </u>		ig E	Ē		
			ardı	ŧ	agr	anc	icke	otas	Seler	Silve	Sodium	Strontiu	la III	ءِ	tan	rani	2	
Sample Location	Sample ID	Sample Date (mm/dd/yyyy)	Ξ̈́	ma/l	≊ mg/L	∑ mg/L	mg/L	mg/L	-			ဟ် mg/L	rg/L	i= mg/L	i= mg/L	mg/L	M mg/	
Location	טו	(IIIII/dd/yyyy)	mg/L	IIIg/L	IIIg/L	<u>u</u>	ing/L	IIIg/L		್ತ	mg/L	ing/L	IIIg/L	IIIg/L	IIIg/L	<u></u>	ilig/	<u>,c</u>
						Acute	ron		Chronic	cute						ro L	nte .	<u>ro</u>
						, ,	៦			₹ 5		ļ				ភ	¥	Ġ
BC WQG FWAL Fording River Operation			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a	0.0075-2 ^a
FR ASPSEEP1	FR ASPSEEP1 WS 2022-08-24 NP	2022-08-24	1130	0.054	152	0.0027	0.00146	3.85	106	< 0.000010	4.41	0.18	0.000013	< 0.00010	0.0008	0.00382	0.01	02
FR_ASPSEEP1	FR_ASPSEEP1_WS_2022-09-01_NP	2022-09-01		0.056	158	0.00557	0.00182	3.68	124	< 0.000010		0.19	0.000018	< 0.00010	0.00136	0.00361	0.01	
FR_ASPSEEP1 FR_BLAINESEEP1	FR_ASPSEEP1_WS_2022-09-05_NP FR_BAINESEEP1_WS_2022-04-27_NP	2022-09-05 2022-04-27		0.055		0.00473 0.0115	0.00171 0.0515	3.66 6.2	123 465	< 0.000010 < 0.000020		0.19	0.000014 0.000038	< 0.00010 < 0.00020	0.00183 < 0.00060	0.00389 0.0242	0.01	
FR_BLAINESEEP1	FR_BLAINESEEP1_SEEP_2022-07-01_NP	2022-07-19		0.104	262	0.0136	0.0477	5.38	424	< 0.000020		0.24	0.000038	< 0.00020	< 0.00060	0.023	0.03	
FR_BLAINESEEP1	FR_BLAINESEEP1_SEEP_2022-09-01_NP	2022-09-15		0.13	329	0.0184	0.0561	5.93	486	< 0.000010		0.26	0.000039	< 0.00010	0.001	0.0291	0.02	
FR_BLAINESEEP5 FR_BLAINESEEP5	FR_BLAINESEEP5_SEEP_2022-04-11_NP FR_BLAINESEEP5_SEEP_2022-09-26_NP	2022-06-10 2022-09-26		0.178	345 319	0.0393 0.0228	0.0144 0.00551	6.51 7.15	232 283	0.000042 0.000024		0.23	0.00007 0.000047	< 0.00020 < 0.00020	0.00689 0.0119	0.0209 0.0203	0.02	
FR_BLAKESEEP1	FR_BLAKESEEP1_SEEP_2022-04-11_NP	2022-05-16	729	0.032	78	0.00604	0.00616	2.46	110	< 0.000010	6.21	0.72	< 0.000010	< 0.00010	0.00078	0.00237	0.00	046
FR_BLAKESEEP1	FR_BLAKESEEP1_SEEP_2022-09-22_NP	2022-09-22		0.04	82.8	0.0045	0.00613	2.59	127	< 0.000010		0.86	< 0.000010	< 0.00010	0.00034	0.0023	0.00	
FR_CCSEEPE1 FR_CCSEEPE1	FR_CCSEEPE1_SEEP_2022-04-11_NP FR_CCSEEPE1_2022-06-17_N	2022-06-10 2022-06-17		0.375	150 142	0.00018 0.00016	0.0436 0.0446	7.45 7.8	177 155	< 0.000010 < 0.000010		0.37	0.000054 0.000056	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.0132 0.0136	0.05	
FR_CCSEEPE1	FR_CCSEEPE1_SEEP_2022-07-01_NP	2022-08-22	1410	0.62	213	0.0002	0.0737	9.11	197	< 0.000010	18.7	0.59	0.000063	< 0.00010	< 0.00030	0.0208	0.06	674
FR_CCSEEPSE1	FR_CCSEEPSE1_2022-03-28_N	2022-03-28		0.618		0.00038	0.0918	10.3		< 0.000020 < 0.000020		0.73		< 0.00020	< 0.00060	0.0222	0.08	
FR_CCSEEPSE1 FR_CCSEEPSE1	FR_CCSEEPSE1_SEEP_2022-04-11_NP FR_CCSEEPSE1_SEEP_2022-07-01_NP	2022-06-10 2022-08-22		0.255		0.00532 0.00518	0.0391 0.0597	6.21 5.74	289 322	< 0.000020		0.31	0.000043 0.000051	< 0.00020 < 0.00010	< 0.00120 < 0.00030	0.0141 0.0163	0.05	
FR_DOKASEEP1	FR_DOKASEEP1_SEEP_2022-04-11_NP	2022-05-16	283	0.008	22	0.00414	0.00073	1.14	3.03	< 0.000010	3.37	0.36	< 0.000010	< 0.00010	0.00142	0.000406	< 0.0	
FR_DOKASEEP1 FR_DOKASEEP1	FR_DOKASEEP1_SEEP_2022-07-01_NP FR_DOKASEEP1_SEEP_2022-09-21_NP	2022-07-29 2022-09-21		0.011		0.0272 0.0114	0.00127 0.00053	1.45	0.852 0.774	0.000474 < 0.000010		0.46	< 0.000010 < 0.000010	0.00011 < 0.00010	< 0.00420 0.0011	0.000428 0.000338	0.00 < 0.0	
FR_DORASEEP1	FR_DORASEEPT_SEEP_2022-09-21_NP FR_EAGLENORTH_SEEP_2022-04-11_NP	2022-09-21		0.013		0.00041	0.00053	6.06	415	< 0.000010		0.42	0.000038	< 0.00010	< 0.00060	0.000336	0.02	
FR_EAGLENORTH	FR_EAGLENORTH_SEEP_2022-07-01_NP	2022-07-06	2310	0.181	346	0.00075	0.0254	5.95	439	< 0.000020	16.6	0.3	0.000039	< 0.00020	< 0.00060	0.0246	0.03	
FR_EAGLENORTH FR FCSEEP2	FR_EAGLE NORTH_SEEP_2022-09-22_NP FR FCSEEP2 SEEP 2022-04-11 NP	2022-09-22 2022-06-10		0.186	389 15.4	0.00678 0.00012	0.0298 < 0.00050	6.79 0.597	390 5.84	< 0.000020 < 0.000010		0.31	0.000054 < 0.000010	< 0.00020 < 0.00010	0.00074 < 0.00030	0.0272 0.000714	0.0 < 0.0	
FR_FCSEEP2	FR_FCSEEP2_SEEP_2022-09-22_NP	2022-09-22		0.007	26	0.00313	< 0.00050	0.97	18	< 0.000010		0.13	< 0.000010	< 0.00010	< 0.00030	0.00105	< 0.0	
FR_FRVWSEEP3	FR_FRVWSEEP3_SEEP_2022-04-11_NP	2022-06-16	765	0.032	112	0.00367	0.00496	2.82	92	< 0.000010		0.11	< 0.000010	< 0.00010	< 0.00030	0.00505	0.00	
FR_FRVWSEEP3 FR_FSEAMSEEP7	FR_FRVWSEEP3_SEEP_2022-09-08_NP FR_FSEAMSEEP7_SEEP_2022-04-11_NP	2022-09-08 2022-05-16		0.034	157 53.7	0.0162 0.0529	0.00268 0.00521	3.1 2.97	86.8 90.3	< 0.000010 0.000019		0.14	< 0.000010 0.000011	< 0.00010 < 0.00010	0.00033 0.00141	0.00601 0.00386	0.01	
FR_FSEAMSEEP7	FR_FSEAMSEEP7_SEEP_2022-07-01_NP	2022-07-20	368	0.039	52.7	0.00476	0.00306	3.62	94.8	< 0.000010		0.32	0.000011	0.0006	< 0.00360	0.00335	< 0.0	
FR_FSEAMWSEEP4	FR_FSEAMWSEEP4_SEEP_2022-04-11_NP	2022-06-16		0.073		0.0159	0.025	5.4	95.8	0.000012 < 0.000020		0.11	0.000046	< 0.00010	0.00132	0.00531	0.00	
FR_HENSEEP3 FR_HENSEEP3	FR_HENSEEP3_SEEP_2022-04-11_NP FR_HENSEEP3_SEEP_2022-05-16_NP	2022-04-11 2022-05-16		0.058	218 224	0.00218 0.00131	0.00358 0.00283	4.02 3.42	507 528	< 0.000020		0.23	< 0.000020 < 0.000020	< 0.00020 < 0.00020	< 0.00060 < 0.00060	0.00562 0.0044	0.00	
FR_HENSEEP3	FR_HENSEEP3_SEEP_2022-07-01_NP	2022-07-14	1580	0.05	188	0.00254	0.00326	3.12	460	< 0.000020	1.86	0.25	< 0.000020	< 0.00020	< 0.00060	0.00442	0.00	
FR_HENSEEP3 FR_HENSSEEP1	FR_HENSEEP3_SEEP_2022-09-21_NP FR_HENSEEP1_SEEP_2022-04-11_NP	2022-09-21 2022-04-11		0.068		0.00074 0.00948	0.00275 0.00352	3.65 2.72	460 51.2	< 0.000020 0.000016		0.26	< 0.000020 0.000026	< 0.00020 < 0.00010	< 0.00060 0.00388	0.00367 0.00313	0.00	
FR HENSSEEP1	FR HENSSEEP1 SEEP 2022-07-01 NP	2022-04-11		0.003	126	0.0206	0.00332	3.16	8.01	< 0.000020	_	0.24	0.000026	< 0.00010	< 0.00060	0.00313	0.01	
FR_LMCWSEEP5	FR_LMCWSEEP5_SEEP_2022-04-11_NP	2022-06-16		0.009		0.00774	0.0031	1.64	37.2	0.000014		0.04	0.000023	< 0.00010	0.00329	0.0013	0.01	
FR_LMCWSEEP5 FR_LMCWSEEP5	FR_LMCWSEEP5_SEEP_2022-07-01_NP FR_LMCWSEEP5_SEEP_2022-09-22_NP	2022-07-06 2022-09-22	316 664	0.009	41.2 94.5	0.00262 0.00198	0.00285 0.00538	1.65 2.62	52.6 135	< 0.000010 < 0.000010		0.06	0.000015 0.000019	< 0.00010 < 0.00010	< 0.00060 < 0.00030	0.00159 0.00394	0.00	
FR_SCRDSEEP1	FR_SCRDSEEP1_SEEP_2022-04-11_NP	2022-05-19		0.084	148	0.0143	0.102	7.51	474	< 0.000010		0.34	0.000051	< 0.00010	< 0.00030	0.00805	0.03	
FR_SCRDSEEP1	FR_SCRDSEEP1_SEEP_2022-09-21_NP	2022-09-21		0.091	224	0.00381	0.0555	4.18	478	< 0.000020		0.19	0.000041	< 0.00020	< 0.00060	0.0131	0.06	
FR_SPRWSEEP1 FR_SPRWSEEP1	FR_SPRPSEEP1_WS_2022-04-27_NP FR_SPRWSEEP1_SEEP_2022-07-01_NP	2022-04-27 2022-07-14		0.037		0.00989 0.01317	0.00871 0.0109	2.67 2.64	33.8 32.8	< 0.000010 < 0.000010		0.26	0.000105 0.000169	0.00011 < 0.00010	0.00148 < 0.00030	0.00408 0.00237	0.02 0.02	
FR_STPNSEEP	FR_STPNSEEP_SEEP_2022-04-11_NP	2022-05-19	493	0.054	48	0.00077	< 0.00050	1.86	62.2	< 0.000010	4.78	0.19	< 0.000010	< 0.00010	< 0.00030	0.00283	< 0.0	0030
FR_STPNSEEP FR_STPSWSEEP	FR_STPNSEEP_SEEP_2022-07-01_NP FR_STPSWSEEP_SEEP_2022-04-11_NP	2022-07-15 2022-05-19			25.6 74.3	0.00265 0.357	< 0.00050 0.00395	1.49 5.97		< 0.000010 < 0.000010		0.12	< 0.000010 0.000012	< 0.00010 < 0.00010	< 0.00030 < 0.00030		< 0.00 < 0.00	
FR STPSWSEEP	FR STPSWSEEP SEEP 2022-07-01 NP	2022-05-19			72	0.372	0.00395	5.17		< 0.000010		0.22		< 0.00010			< 0.0	
FR_STPSWSEEP	FR_STPSWSEEP_SEEP_2022-09-23_NP	2022-09-23	628	0.092	72.5	0.314	0.00421	4.82	0.132	< 0.000010	6.4	0.21	0.000034	< 0.00010	< 0.00030	0.00672	< 0.0	
FR_STPWSEEP FR_STPWSEEP	FR_STPWSEEP_SEEP_2022-04-11_NP FR_STPWSEEP_SEEP_2022-07-01_NP	2022-05-19 2022-07-15			71.7 65.3	0.44 0.524	0.0052 0.00438	5.67 5.81	0.11	< 0.000010 < 0.000010		0.21		< 0.00010 < 0.00010	< 0.00030 < 0.00030		< 0.00	
FR_STPWSEEP	FR_STPSWSEEP_SEEP_2022-07-01_NP	2022-07-15			75.9	0.327	0.00458	5.28	0.099			0.23		0.00010	< 0.00030	0.00647	< 0.00	
FR_STPWSEEP	FR_STPWSEEP_SEEP_2022-09-23_NP	2022-09-23	625	0.093	71.2	0.232	0.00374	5.08	0.625	< 0.000010	6.1	0.21	0.000019	< 0.00010	< 0.00030	0.00602	< 0.0	
FR_TBWSEEP1 FR_TBWSEEP1	FR_TBWSEEP1_SEEP_2022-04-11_NP FR_TBWSEEP1_SEEP_2022-07-01_NP	2022-04-11 2022-07-20			65.4 67.4	0.00053 0.000335	0.00108 0.001025	1.86 1.885	123 96.2	< 0.000010 < 0.000010		0.18		< 0.00010 < 0.00010	< 0.00030 < 0.00030		0.00	
FR_TURNSEEP1	FR_TURNSEEP1_SEEP_2022-04-11_NP	2022-07-20			109	0.000333	0.001023	3.78				0.13		< 0.00010			0.00	
FR_TURNSEEP1	FR_TURNSEEP1_SEEP_2022-07-01_NP	2022-07-14			73.2	0.00131	0.00691	2.79				0.15		< 0.00010	< 0.00030	0.00571	0.01	
FR_TURNSEEP1 FR_TURNSEEP2	FR_TURNSEEP1_SEEP_2022-09-21_NP FR_TURNSEEP2_SEEP_2022-04-11_NP	2022-09-21 2022-04-11		0.101	110 73.6	0.0135 0.00075	0.00611 0.0016	3.43 2.27	283 159	< 0.000010 < 0.000010		0.18		< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.0075 0.0037	0.00	
FR_TURNSEEP2	FR_TURNSEEP2_SEEP_2022-07-01_NP	2022-07-14					0.001515	2.235					< 0.000010		< 0.00030		< 0.0	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX B - TABLE 3: Summary of Analytical Results for Total Metals

			Г								Total Metals						
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			nes	Ę	٥	nic .	ξ		量	<u>_</u>	Ē	<u> </u>	Ē	#	Je.		_
			ard	Alun	ij	rse	ari	ery	ism	l s	adr	ac	잁	Cobi	ıeddo	<u>ro</u>	ead
Sample	Sample	Sample Date	Ĩ.		₹	₹	ă.	ă.	<u> </u>	ă.	Ö	Ü	<u> </u>	<u> </u>	ပ		<u>"</u>
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L ಲ	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg.	/L	mg/L
						ute) nic	, ž		onic				ute		ute	onic
						Ycu.	l i	l rig		G				Acute		Acu	hre cu
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Greenhills Operation			IIIa	II/a	II/a	0.005		0.00013	II/a	1.2	II/a	II/a	II/a	0.11 0.004	II/a	<u>'</u>	0.003-3.5 3.3-3.5
GH E1	GH E1 WS 2022-01-03 NP	2022-01-24	1440	0.0503	< 0.00020	0.00033	0.0162	< 0.040	< 0.000100	0.023	0.0000173	302	< 0.00020	0.00178	< 0.00100	2.8	< 0.000100
GH_E1	GH_E1_WS_2022-02-07_NP	2022-02-14	828	0.006	0.00014	0.00013	0.0229	< 0.020	< 0.000050	0.021	0.0000114	146	< 0.00010	< 0.10	< 0.00050	0.02	< 0.000050
GH_E1	GH_E1_WS_2022-03-07_NP	2022-03-09	790	0.015	0.0001	0.00013	0.027	< 0.020	< 0.000050	0.021	0.0000186	168	< 0.00010	< 0.10	< 0.00050	0.062	< 0.000050
GH_E1	GH_E1_WS_2022-04-04_NP	2022-04-20	1750	< 0.0060	< 0.00020	< 0.00020	0.0193	< 0.040	< 0.000100	0.022	0.0000101	345	< 0.00020	0.00122	< 0.00100	0.379	< 0.000100
GH_E1 GH_E1	GH_E1_WS_2022-05-09_NP GH_E1_WS_2022-06-07_NP	2022-05-12 2022-06-20	868 921	0.007	0.00027 0.00012	0.00019 0.00017	0.0323 0.0342	< 0.020 < 0.020	< 0.000050 < 0.000050	0.038	0.0000166 0.0000172	162 171	< 0.00020 < 0.00010	< 0.10 < 0.10	< 0.00050 < 0.00050	0.018 0.016	< 0.000050 < 0.000050
GH_E1	GH_E1_WS_2022-06-07_NP GH_E1_WS_2022-07-04_NP	2022-06-20	911	0.0088	< 0.00012	0.00017	0.0342	< 0.020	< 0.000050	0.03	0.0000172	154	< 0.00010	< 0.10	< 0.00050	< 0.020	< 0.000100
GH E1	GH E1 WS 2022-07-04_NP	2022-07-00	1840	0.0046	< 0.00010	0.00029	0.0184	< 0.020	< 0.000050	0.038	0.000008	349	< 0.00020	0.00138	< 0.00100	0.511	< 0.000100
GH_E1	GH_E1_WS_2022-09-05_NP	2022-09-22	1680	< 0.0030	< 0.00010	0.00026	0.0173	< 0.020	< 0.000050	0.028	< 0.0050	340	< 0.00010	0.00117	< 0.00050	0.299	< 0.000050
GH_E1	GH_E1_WS_2022-10-03_NP	2022-10-07	1710	< 0.0060	< 0.00020	< 0.00020	0.0165	< 0.040	< 0.000100	0.027	< 0.0100	357	< 0.00020	0.0012	< 0.00100	0.32	< 0.000100
GH_E3	GH_E3_WS_2022-01-03_NP	2022-01-24	1240	0.481	0.00021	0.00046	0.0364	0.000038	< 0.000050	0.024	0.00059	245	0.00057	0.00069	0.00246	1.38	0.000655
GH_E3 GH_E3	GH_E3_WS_2022-02-07_NP	2022-02-14	901 913	0.0186 0.728	0.00026 0.0003	0.00015 0.00064	0.0211 0.0366	< 0.020 0.000048	< 0.000050 < 0.000050	0.022 0.024	0.0000553 0.000306	167 218	< 0.00010 0.00081	< 0.10 0.0006	0.00051	0.048 1.33	< 0.000050 0.000671
GH E3	GH_E3_WS_2022-03-07_NP GH_E3_WS_2022-05-02_NP	2022-03-09 2022-05-11	1270	0.726	0.0003	0.00064	0.0300	< 0.020	< 0.000050	0.024	0.000308	180	< 0.00010	0.00019	0.00235 < 0.00050	0.139	< 0.00050
GH E3	GH E3 WS 2022-06-07 NP	2022-06-23	1160	0.024	0.00021	0.00024	0.0302	< 0.020	< 0.000050	0.022	0.0000301	186	0.00016	0.00024	0.00066	0.133	0.000148
GH_E3	GH_E3_WS_2022-07-04_NP	2022-07-08	1310	0.102	< 0.00020	0.00051	0.037	< 0.040	< 0.000100	0.032	0.0000386	182	< 0.00020	0.00025	0.00133	0.297	0.000208
GH_E3	GH_E3_WS_2022-08-01_NP	2022-08-10	1630	0.0127	0.00014	0.00053	0.0356	< 0.020	< 0.000050	0.03	0.0000074	226	< 0.00010	0.00014	< 0.00050	0.081	< 0.000050
GH_E3	GH_E3_WS_2022-09-05_NP	2022-09-27	1720	0.0186	< 0.00020	0.00032	0.0294	< 0.040	< 0.000100	0.029	0.0000154	222	< 0.00020	< 0.20	< 0.00100	0.068	< 0.000100
GH_E3 GH SEEP 12	GH_E3_WS_2022-10-03_NP	2022-10-07 2022-06-21	1510 237	0.0353 0.0034	< 0.00020 < 0.00010	0.00046	0.0376	< 0.040 < 0.020	< 0.000100 < 0.000050	0.026	0.0000115	250 61.3	< 0.00020 0.00106	0.00022 < 0.10	< 0.00100 < 0.00050	0.202	0.000101 < 0.000050
GH SEEP 12	GH_SEEP_12_WS_2022-06-07_NP GH_SEEP_12_WS_2022-09-06_NP	2022-00-21	240	0.0034	< 0.00010	0.00021 0.00018	0.119 0.13	< 0.020	< 0.000050	< 0.010 < 0.010	0.000142 0.000216	67.1	0.00108	< 0.10	< 0.00050	< 0.010 0.078	0.000056
GH SEEP 16	GH SEEP 16 WS 2022-09-06 NP	2022-09-20	473	0.0136	< 0.00010	0.00010	0.0624	< 0.020	< 0.000050	0.014	< 0.0050	132	< 0.00010	< 0.10	< 0.00050	0.062	< 0.000050
GH_SEEP_21	GH_SEEP_21_WS_2022-06-07_NP	2022-06-28	1600	0.0071	0.00021	0.00022	0.0232	< 0.040	< 0.000100	< 0.020	0.000477	332	< 0.00020	< 0.20	0.00245	0.025	< 0.000100
GH_SEEP_21	GH_SEEP_21_WS_2022-09-06_NP	2022-09-20	1790	< 0.0060	< 0.00020	< 0.00020	0.0242	< 0.040	< 0.000100	< 0.020	0.000307	474	< 0.00020	0.00044	< 0.00100	0.178	< 0.000100
GH_SEEP_22	GH_SEEP_22_WS_2022-06-07_NP	2022-06-28	1380	< 0.0060	< 0.00020	0.00026	0.0381	< 0.040	< 0.000100	< 0.020	0.000132	319	< 0.00020	0.00609	< 0.00100	3.83	< 0.000100
GH_SEEP_22	GH_SEEP_22_WS_2022-09-06_NP GH_SEEP_46_WS_2022-06-07_NP	2022-09-20	1680	< 0.0060	< 0.00020	0.00023	0.0177	< 0.040	< 0.000100	< 0.020 < 0.020	0.0000462	402	< 0.00020	0.00039	< 0.00100	0.241	< 0.000100
GH_SEEP_46 GH_SEEP_5	GH_SEEP_46_WS_2022-06-07_NP GH_SEEP_5_WS_2022-06-07_NP	2022-06-24 2022-06-23	572 328	0.0165 0.0154	0.00042 0.00018	0.00043 0.00028	0.104 0.108	< 0.040 < 0.020	< 0.000100 < 0.000050	0.020	0.000361 0.000118	149 79.2	< 0.00020 < 0.00010	< 0.20 0.00041	< 0.00100 < 0.00050	0.024 0.015	< 0.000100 < 0.000050
GH SEEP 5	GH SEEP 5 WS 2022-09-06 NP	2022-00-23	368	0.0433	0.00019	0.00020	0.0939	< 0.020	< 0.000050	0.016	0.000110	94	0.00013	0.00041	< 0.00050	0.032	< 0.000050
GH_SEEP_50	GH_SEEP_50_WS_2022-06-07_NP	2022-06-28	174	0.223	< 0.00020	0.00039	0.11	< 0.040	< 0.000100	0.023	0.0000319	53.2	0.00022	0.00024	0.00151	0.22	0.000151
GH_SEEP_60	GH_SEEP_60_WS_2022-06-07_NP	2022-06-29	73.3	0.327	0.00016	0.00025	0.0427	0.000027	< 0.000050	< 0.010	0.000115	20.8	0.00037	0.00029	0.00078	0.368	0.00031
GH_SEEP_76	GH_SEEP_76_WS_2022-06-07_NP	2022-06-29	959	0.164	0.0017	0.00036	0.0709	< 0.040	< 0.000100	< 0.020	0.000157	208	0.00027	0.00261	< 0.00100	0.33	0.00014
GH_SEEP_76	GH_SEEP_76_WS_2022-09-06_NP GH_SEEP_77_WS_2022-06-07_NP	2022-09-27	1360	0.0202	0.00169	0.0002	0.0567	< 0.020	< 0.000050	< 0.010	0.0000275	234	< 0.00010	0.00093	< 0.00050	0.018	< 0.000050
GH_SEEP_77 GH_SEEP_77	GH_SEEP_77_WS_2022-06-07_NP GH_SEEP_77_WS_2022-09-06_NP	2022-06-29 2022-09-27	1240 1390	0.0071 0.716	0.00102 < 0.00010	0.0002 0.00058	0.0808 0.108	< 0.040 0.000061	< 0.000100 < 0.000050	0.021	0.000121 0.000222	292 324	< 0.00020 0.00052	0.00168 0.00056	< 0.00100 0.00216	< 0.020 0.782	< 0.000100 0.000631
GH SEEP 79	GH SEEP 79 WS 2022-09-00 NP	2022-09-27	1610	0.716	0.00058	0.00036	0.0555	< 0.040	< 0.000100	0.031	0.000222	276	0.00032	0.00036	0.00210	0.782	0.00031
GH_SEEP_79	GH_SEEP_79_WS_2022-09-06_NP	2022-09-27	208	1.63	0.00027	0.00157	0.159	0.000323	< 0.000050	0.461	0.000456	54.6	0.00147	0.00543	0.0067	2.38	0.00421
GH_SEEP_98	GH_SEEP_98_WS_2022-06-07_NP	2022-06-29	666	0.011	< 0.00020	< 0.00020	0.0467	< 0.040	< 0.000100	< 0.020	0.000049	178	< 0.00020	< 0.20	< 0.00100	0.12	< 0.000100
GH_SEEP_98	GH_SEEP_98_WS_2022-09-06_NP	2022-09-28	739	0.0229	0.00011	0.00015	0.0341	< 0.020	< 0.000050	0.014	0.0000644	210	< 0.00010	< 0.10	< 0.00050	0.123	0.000065
GH_W-SEEP	GH_W_SEEP_WS_2022-04-04_NP	2022-04-20	1790	0.286	< 0.00020	0.0005	0.0229	< 0.040	< 0.000100	< 0.020	0.0000366	275	0.00032	0.00093	< 0.00100	2.21	0.000536
GH_W-SEEP GH_WTDS	GH_W-SEEP_WS_2022-08-01_NP GH_WTDS_WS_2022-01-03_NP	2022-08-23 2022-01-26	3040	< 0.0150	< 0.00020	0.00133	0.0275	< 0.040	< 0.000100	0.025	< 0.0100	498	< 0.00020	0.00118	< 0.00100	14.6	< 0.000100
GH_WTDS	GH WTDS WS 2022-07-03 NP	2022-01-20	549	0.0038	0.00014	< 0.00010	0.036	< 0.020	< 0.000050	0.047	0.000316	133	< 0.00010	0.00115	< 0.00050	< 0.010	0.000095
GH_WTDS	GH_WTDS_WS_2022-03-07_NP	2022-03-07	532	< 0.0030	0.00014	< 0.00010	0.0368	< 0.020	< 0.000050	0.045	0.000296	140	< 0.00010	0.00117	< 0.00050	< 0.010	0.000081
GH_WTDS	GH_WTDS_WS_2022-04-04_NP	2022-04-06	547	0.0062	0.00021	0.00012	0.0334	< 0.020	< 0.000050	0.046	0.000301	133	< 0.00010	0.0011	0.00051	< 0.010	0.000098
GH_WTDS	GH_WTDS_WS_2022-05-02_NP	2022-05-06	529	0.0031	0.00018	0.00012	0.0392	< 0.020	< 0.000050	0.052	0.000314	141	< 0.00010	0.00111	0.00073	< 0.010	0.000083
GH_WTDS	GH_WTDS_WS_2022-06-06_NP	2022-06-09	496	0.0054	0.00014	< 0.00010	0.0384	< 0.020	< 0.000050	0.044	0.000264	130	< 0.00010	0.00105	0.00055	0.013	0.00008
GH_WTDS GH WTDS	GH_WTDS_WS_2022-07-04_NP GH_WTDS_WS_2022-08-01_NP	2022-07-19 2022-08-05	587 542	0.0064 0.0056	0.0002 0.00014	0.00024 0.0002	0.0421 0.0426	0.000027 < 0.020	< 0.000050 < 0.000050	0.052 0.045	0.00035 0.000568	139 124	< 0.00010 < 0.00010	0.00098 0.00087	0.00059 0.00056	0.011	0.000105 0.000083
GH WTDS	GH WTDS WS 2022-00-01 NP	2022-09-20	519	0.0054	0.00014	0.0002	0.0420	< 0.020	< 0.000050	0.045	0.000368	145	< 0.00010	0.00097	< 0.00050	< 0.011	< 0.000050
GH_WTDS	GH_WTDS_WS_2022-10-03_NP	2022-10-07	518	0.0047	0.0001	0.0001	0.0335	< 0.020		0.046	0.000269	145	< 0.00010		< 0.00050	< 0.010	
												•		•			

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

d Guideline varies with pH

APPENDIX B - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals								
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Sample	Sample	Sample Date	Hard	Ę	Mag	lar lar	<u> </u>	oţ	Sele	Silve	Sodii	Strontiu	ja j	¦⊑	<u>i</u>	Urai		Zinc
Location	ID	(mm/dd/yyyy)	_	ma/L		mg/L	mg/L	mg/L	μg/L	•		mg/L	mg/L	mg/L	mg/L	mg/L		ng/L
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BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a	0.0075-2 ^a
Greenhills Operation GH E1	GH E1 WS 2022-01-03 NP	2022-01-24	1440	0.049	192	0.125	0.01	3.82	0.367	< 0.000020	0 50	0.4	< 0.000020	< 0.00020	0.0006	0.00788	1 .0	0.0060
GH_E1	GH_E1_WS_2022-01-03_NP GH_E1_WS_2022-02-07_NP	2022-01-24	828		106	0.00932	0.00243	4.15	4.01	< 0.000020		0.4		< 0.00020	< 0.0008	0.00788		0.0030
GH E1	GH E1 WS 2022-03-07 NP	2022-03-09		0.057	124	0.0377	0.00273	4.31	1.6	< 0.000010		0.3		< 0.00010	< 0.00030	0.00831		0.0030
GH_E1	GH_E1_WS_2022-04-04_NP	2022-04-20		0.048	213	0.108	0.012	3.92	0.313	< 0.000020		0.48		0.00093	< 0.00060	0.00852		.0097
GH_E1	GH_E1_WS_2022-05-09_NP	2022-05-12		0.071	125	0.0246	0.00301	5.09	3.98	< 0.000010		0.31		< 0.00010	< 0.00030	0.00881		0.0030
GH_E1 GH_E1	GH_E1_WS_2022-06-07_NP GH_E1_WS_2022-07-04_NP	2022-06-20 2022-07-08		0.065	129 132	0.0194 0.0279	0.00288 0.00283	4.35 4.96	3.39 3.08	< 0.000010 < 0.000020		0.32		< 0.00010 < 0.00020	< 0.00030 < 0.00060	0.00746 0.00718		0.0030
GH_E1	GH_E1_W3_2022-07-04_NP GH_E1_WS_2022-08-01_NP	2022-07-08		0.073	245	0.146	0.0108	4.81	0.194	< 0.000020		0.33		< 0.00020	< 0.00030	0.00718		.0057
GH_E1	GH_E1_WS_2022-09-05_NP	2022-09-22	1680	0.056	243	0.107	0.01	4.43	0.186	< 0.000010	9.98	0.45	< 0.000010	< 0.00010	< 0.00030	0.0083	0.	.0034
GH_E1	GH_E1_WS_2022-10-03_NP	2022-10-07		0.053	231	0.109	0.00946	4.36	0.128	< 0.000020		0.48		< 0.00020	< 0.00060	0.00772		0.0060
GH_E3 GH_E3	GH_E3_WS_2022-01-03_NP GH_E3_WS_2022-02-07_NP	2022-01-24 2022-02-14	_	0.062	167 112	0.0298 0.00576	0.00642 0.00386	4.93 3.36	12.6	0.000013 < 0.000010		0.31		< 0.00010 < 0.00010	0.00414 < 0.00090	0.0103 0.00608		.0175 0.0030
GH_E3	GH E3 WS 2022-03-07 NP	2022-03-09	_	0.049	153	0.0402	0.00380	4.16	11.8	0.000010		0.37		< 0.00010	0.0069	0.00815		.0117
GH_E3	GH_E3_WS_2022-05-02_NP	2022-05-11		0.062	174	0.0267	0.00362	4.27	3.18	< 0.000010		0.31		< 0.00010	< 0.00030	0.00946		0.0030
GH_E3	GH_E3_WS_2022-06-07_NP	2022-06-23		0.066	187	0.0389	0.0035	4.33	1.66	< 0.000010		0.3		< 0.00010	0.00462	0.00834		0.0030
GH_E3	GH_E3_WS_2022-07-04_NP	2022-07-08		0.074	207	0.0263	0.00405	4.9	- 0.400	< 0.000020		0.32		< 0.00020	0.00121	0.00763		0.0060
GH_E3 GH E3	GH_E3_WS_2022-08-01_NP GH_E3_WS_2022-09-05_NP	2022-08-10 2022-09-27	1630 1720		244 226	0.0316 0.00328	0.00489 0.00321	6.12 5.3	0.489	< 0.000010 < 0.000020		0.33		< 0.00010 < 0.00020	0.00039 < 0.00060	0.00803 0.00826		0.0030
GH E3	GH E3 WS 2022-10-03 NP	2022-10-07		0.069		0.0925	0.00321	5.42	0.443	< 0.000020		0.37		< 0.00020	< 0.00060	0.00828		0.0060
GH_SEEP_12	GH_SEEP_12_WS_2022-06-07_NP	2022-06-21		< 0.001		0.0002	0.00112	0.41	2.44	< 0.000010		0.04		< 0.00010	< 0.00030	0.00148		.0075
GH_SEEP_12	GH_SEEP_12_WS_2022-09-06_NP	2022-09-20		< 0.001		0.0172	0.0019	0.49	4.45	< 0.000010		0.05		< 0.00010	0.00034	0.00187		.0154
GH_SEEP_16 GH_SEEP_21	GH_SEEP_16_WS_2022-09-06_NP GH_SEEP_21_WS_2022-06-07_NP	2022-09-20 2022-06-28		0.008		0.00316 0.00119	0.0009 0.00437	0.937 5.66	20.5 97.2	< 0.000010 < 0.000020		0.24		< 0.00010 < 0.00020	< 0.00030 < 0.00060	0.000474 0.00878		0.0030
GH SEEP 21	GH SEEP 21 WS 2022-09-06 NP	2022-09-20		0.085	285	0.928	0.015	6.62	0.753	< 0.000020		0.23		< 0.00020	< 0.00060	0.00582		0.016
GH_SEEP_22	GH_SEEP_22_WS_2022-06-07_NP	2022-06-28	1380		187	1.74	0.011	5.26	0.805	< 0.000020		0.2		< 0.00020	< 0.00060	0.00561		.0088
GH_SEEP_22	GH_SEEP_22_WS_2022-09-06_NP	2022-09-20		0.063	265	0.469	0.00385	5.62	2.86	< 0.000020		0.25		< 0.00020	< 0.00060	0.00814		0.0060
GH_SEEP_46 GH_SEEP_5	GH_SEEP_46_WS_2022-06-07_NP	2022-06-24 2022-06-23	_	0.008	72.2 34	0.00108 0.00911	0.00245 0.00313	1.89 1.87	179 2.46	< 0.000020 < 0.000010		0.18		< 0.00020 < 0.00010	< 0.00060 0.00032	0.00213 0.000469		0.0060
GH SEEP 5	GH_SEEP_5_WS_2022-06-07_NP GH_SEEP_5_WS_2022-09-06_NP	2022-09-22	368	0.015	34.9	0.00631	0.00313	1.82	2.48	< 0.000010		0.10		< 0.00010	0.00032	0.000469		.0036
GH SEEP 50	GH SEEP 50 WS 2022-06-07 NP	2022-06-28		0.006	14.8	0.00805	0.00217	1.41	0.329	< 0.000020		0.23		< 0.00020	0.00114	0.000362		0.0060
GH_SEEP_60	GH_SEEP_60_WS_2022-06-07_NP	2022-06-29		< 0.001		0.0259	0.00148	0.706	0.313	0.000022		0.09		< 0.00010	0.00525	0.000031		.0034
GH_SEEP_76	GH_SEEP_76_WS_2022-06-07_NP	2022-06-29		0.139		0.00868	0.0383	3.04	458	< 0.000020		0.54		< 0.00020	0.00134	0.0113		0.009
GH_SEEP_76 GH_SEEP_77	GH_SEEP_76_WS_2022-09-06_NP GH_SEEP_77_WS_2022-06-07_NP	2022-09-27 2022-06-29		0.127	129 135	0.00141 0.0146	0.0468 0.0427	3.48	526 427	< 0.000010 < 0.000020		0.61		< 0.00010 < 0.00020	0.0006 < 0.00060	0.0158 0.00851		0.0030
GH SEEP 77	GH SEEP 77 WS 2022-00-07 NI GH SEEP 77 WS 2022-09-06 NP	2022-09-27		0.03	119	0.0672	0.00217	1.92	144	0.000018		1.17		< 0.00020	0.00801	0.00105		0.006
GH_SEEP_79	GH_SEEP_79_WS_2022-06-07_NP	2022-06-29	1610	0.163	238	0.0275	0.0306	4.84	80.3	< 0.000020	31.6	0.45	0.000034	< 0.00020	0.00728	0.0145	0	0.007
GH_SEEP_79	GH_SEEP_79_WS_2022-09-06_NP	2022-09-27	208		21	0.36	0.00749	2.21	0.658	0.000024		1.95		< 0.00010	0.00914	0.0006		.0238
GH_SEEP_98 GH_SEEP_98	GH_SEEP_98_WS_2022-06-07_NP GH_SEEP_98_WS_2022-09-06_NP	2022-06-29 2022-09-28	739	0.014	65.1 72.5	0.0177 0.00485	< 0.00100 0.0007	1.74 1.59	10.9 12.4	< 0.000020 < 0.000010		0.32		< 0.00020 0.00014	< 0.00060 0.00047	0.00204 0.00188		0.0060
GH_SEEP_96	GH W SEEP WS 2022-04-04 NP	2022-09-28		0.01	273	0.876	0.0007	6.25	2.57	< 0.000010		0.37		< 0.00014	0.00047	0.00188		0.0060
GH_W-SEEP	GH_W-SEEP_WS_2022-08-01_NP	2022-08-23		0.049		3.69	0.00468	7.84	0.317	< 0.000020		0.25		< 0.00020	< 0.00060	0.0045		0.0060
GH_WTDS	GH_WTDS_WS_2022-01-03_NP	2022-01-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
GH_WTDS GH_WTDS	GH_WTDS_WS_2022-02-07_NP	2022-02-14		0.045		0.00028 0.00019	0.00773	2.53	4.96 3.81	< 0.000010 < 0.000010		0.74		< 0.00010 < 0.00010		0.00328		0.015 .0131
GH_WTDS GH_WTDS	GH_WTDS_WS_2022-03-07_NP GH_WTDS_WS_2022-04-04_NP	2022-03-07 2022-04-06		0.05		0.00019	0.00742 0.008	2.54 2.48	22.1	< 0.000010		0.75		< 0.00010	< 0.00030 < 0.00030	0.00358 0.00373		.0123
GH_WTDS	GH_WTDS_WS_2022-05-02_NP	2022-05-06			54.2		0.0089	2.79	10.5	< 0.000010		0.77		< 0.00010	< 0.00030	0.00373		.0152
GH_WTDS	GH_WTDS_WS_2022-06-06_NP	2022-06-09	496	0.044	53.9	0.00044	0.00794	2.66	7.17	< 0.000010	16.6	0.66	0.000028	< 0.00010	< 0.00030	0.0034		0.013
GH_WTDS	GH_WTDS_WS_2022-07-04_NP	2022-07-19		0.053		0.00221	0.0106	2.79	14.5	< 0.000010		0.78		< 0.00010	< 0.00030	0.00396		.0178
GH_WTDS GH_WTDS	GH_WTDS_WS_2022-08-01_NP GH_WTDS_WS_2022-09-05_NP	2022-08-05 2022-09-20		0.044		0.0136 0.00189	0.0141 0.0123	2.54 2.56	11.2 6.28	< 0.000010 < 0.000010		0.73		< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00358 0.00357		.0335
GH_WTDS	GH WTDS WS 2022-10-03 NP	2022-10-07					0.00812	2.43					0.000031		< 0.00030			.0148
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< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

d Guideline varies with pH

APPENDIX B - TABLE 3: Summary of Analytical Results for Total Metals

			1								Total Metals							
						1	1				Total Metals	I	1	1		1		
Sample	Sample	Sample Date	Hardness	Aluminum	Antimony	Arsenic	Barium*	Beryllium*	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg.	L	mg/	<u> </u>
						Acute	Chronic	Chronic		Chronic				Acute Chronic		Acute	Acute	Chronic
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a	3.3-3.5 ^a
Line Creek Operation						•	•											
LC_3KM	LC_3KM_WS_SPRING-2022_NP	2022-06-29	277	0.0198	0.00038	0.00025	0.58	< 0.020	< 0.000050	0.04	0.0000146	65	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000	
LC_3KM	LC_3KM_WS_FALL-2022_NP	2022-09-26	313	0.0161	0.0004	0.00031	0.674	< 0.020	< 0.000050	0.049	< 0.0050	63.2	< 0.00010	< 0.10	< 0.00050	< 0.010	0.000	
LC_SEEP1	LC_SEEP1_WS_FALL-2022_NP	2022-09-23	329	0.0045	0.00023	0.00016	0.117	< 0.020	< 0.000050	0.076	< 0.0050	73	< 0.00010	< 0.10	< 0.00050	0.015	< 0.000	
LC_SEEP10	LC_SEEP10_WS_SPRING-2022_NP	2022-07-08	782	0.0031	< 0.00010	0.00032	0.146	< 0.020	< 0.000050	0.035	0.0000569	201	< 0.00010	0.00415	< 0.00050	0.991	< 0.000	
LC_SEEP10	LC_SEEP10_WS_FALL-2022_NP	2022-09-16	843	0.0043	< 0.00010	0.00029	0.168	< 0.020	< 0.000050	0.038	0.0000387	230	< 0.00010	0.00349	< 0.00050	0.862	< 0.000	
LC_SEEP11	LC_SEEP11_WS_SPRING-2022_NP	2022-07-08	603	0.0046	< 0.00010	< 0.00010	0.153	< 0.020	< 0.000050	0.022	0.0000109	146	< 0.00010	< 0.10	< 0.00050	0.014	< 0.000	
LC_SEEP11	LC_SEEP11_WS_FALL-2022_NP	2022-09-16	608	0.0072	< 0.00010	0.00012	0.164	< 0.020	< 0.000050	0.024	0.0000119	156	< 0.00010	< 0.10	< 0.00050	0.018	< 0.000	
LC_SEEP14	LC_SEEP14_WS_SPRING-2022_NP	2022-06-29	468	< 0.0030	0.00025	0.00011	0.0479	< 0.020	< 0.000050	0.015	0.0000276	96	0.00014	< 0.10	< 0.00050	< 0.010	< 0.000	
LC_SEEP15	LC_SEEP15_WS_SPRING-2022_NP	2022-06-29	530	0.0543	< 0.00010	0.00012	0.0517	< 0.020	< 0.000050	< 0.010	0.0000348	127	0.00024	< 0.10	< 0.00050	0.074	0.000	
LC_SEEP15	LC_SEEP15_WS_FALL-2022_NP	2022-09-23	568	0.0087	< 0.00010	< 0.00010	0.039	< 0.020	< 0.000050	< 0.010	0.0000063	125	0.00022	< 0.10	< 0.00050	0.011	< 0.000	
LC_SEEP19	LC_SEEP19_WS_SPRING-2022_NP	2022-06-29	332	0.0077	0.00019	0.00015	0.0322	< 0.020	< 0.000050	< 0.010	0.000129	71.4	0.00016	< 0.10	< 0.00050	< 0.010	< 0.000	
LC_SEEP19	LC_SEEP19_WS_FALL-2022_NP	2022-09-26	742	0.004	0.00025	0.00016	0.0612	< 0.020	< 0.000050	0.014	0.000244	145	0.00019	< 0.10	< 0.00050	< 0.010	< 0.000	
LC_SEEP2	LC_SEEP2_WS_SPRING-2022_NP	2022-06-29	337	0.118	< 0.00010	0.00017	0.207	< 0.020	< 0.000050	< 0.010	0.0000595	92.2	0.00039	0.00023	0.00059	0.255	0.000	
LC_SEEP2	LC_SEEP2_WS_FALL-2022_NP	2022-09-26	255	0.0031	< 0.00010	0.00011	0.13	< 0.020	< 0.000050	< 0.010	0.0000138	63.9	0.00026	< 0.10	< 0.00050	< 0.010	< 0.000	
LC_SEEP8	LC_SEEP8_WS_SPRING-2022_NP	2022-06-28	169	0.471	0.00038	0.00059	0.14	0.000024	< 0.000050	< 0.010	0.0000577	41.6	0.00096	0.0002	0.00168	0.22	0.000	
LC_SEEP8	LC_SEEP8_WS_FALL-2022_NP	2022-09-20	138	5.41	0.00094	0.00479	0.31	0.000776	0.000151	< 0.020	0.00179	41.8	0.0103	0.00523	0.0248	7.18	0.008	
LC_UDHP	LC_UDHP_WS_SPRING-2022_NP	2022-06-23	259	0.0286	0.00033	0.00034	0.187	< 0.020	< 0.000050	< 0.010	0.000068	68.7	0.00023	< 0.10	0.00056	0.031	< 0.000	
LC_UDHP	LC_UDHP_WS_FALL-2022_NP	2022-09-26	552	< 0.0150	0.0004	0.0003	0.399	< 0.020	< 0.000050	0.013	0.000146	143	0.00012	< 0.10	< 0.00050	0.01	< 0.000	
LC_UDP1	LC_UDP1_WS_SPRING-2022_NP	2022-06-23	272	0.0121	0.0002	0.00033	0.204	< 0.020	< 0.000050	< 0.010	0.0000165	76	0.00037	< 0.10	0.0005	0.027	< 0.000	
LC_UDP1	LC_UDP1_WS_FALL-2022_NP	2022-09-26	204	0.0272	0.00021	0.00038	0.192	< 0.020	< 0.000050	0.013	0.0000343	60.4	0.00047	< 0.10	< 0.00050	0.169	< 0.000	
LC_WLC_LOT2	LC_WLC_LOT2_WS_SPRING-2022_NP	2022-07-08	995	0.0032	0.00046	0.00019	0.018	< 0.020	< 0.000050	0.024	0.00156	191	< 0.00010	< 0.10	0.00085	< 0.010	< 0.000	
LC_WLC_LOT2	LC_WLC_LOT2_WS_FALL-2022_NP	2022-09-23	1100	0.0127	0.00052	0.00041	0.0558	< 0.020	< 0.000050	0.052	0.00047	249	< 0.00010	< 0.10	0.00051	0.019	< 0.000	J050

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX B - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals								
		1	1					1	1		l Otal Wetals	1	1		1			1	
Sample	Sample	Sample Date	Hardness	Lithium	Magnesium	V V	мапдапеѕе	Nickel*	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium*		Zinc
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg	g/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	n	ng/L
						Acute	Chronic	Chronic		Chronic	Acute						Chronic	Acute	Chronic
BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a	0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2a	0.0075-2 ^a
Line Creek Operation																			
LC_3KM	LC_3KM_WS_SPRING-2022_NP	2022-06-29			32.3	0.00		0.00094	6.87	2.04	< 0.000010		0.24	0.000017	< 0.00010	< 0.00030	0.00267		.0030
LC_3KM	LC_3KM_WS_FALL-2022_NP	2022-09-26		0.259		0.00	0029	0.00073	8.63	0.726	< 0.000010		0.28	0.00002	< 0.00010	< 0.00030	0.00332		.0030
LC_SEEP1	LC_SEEP1_WS_FALL-2022_NP	2022-09-23		0.375	43.7	0.00		0.00091	4.34	0.604	< 0.000010	74.8	0.29	< 0.000010	< 0.00010	< 0.00030	0.00205		.004
LC_SEEP10	LC_SEEP10_WS_SPRING-2022_NP	2022-07-08	782	0.04	61.2	0.2		0.00728	3.15	0.278	< 0.000010	16.2	0.48	< 0.000010	< 0.00010	< 0.00030	0.00123		0052
LC_SEEP10	LC_SEEP10_WS_FALL-2022_NP	2022-09-16	843	0.04	67.4	0.2	212	0.00715	3.38	0.142	< 0.000010	16.6	0.54	< 0.000010	< 0.00010	< 0.00030	0.00138	0.	.003
LC_SEEP11	LC_SEEP11_WS_SPRING-2022_NP	2022-07-08		0.024		0.00	0389	0.00051	1.95	2.38	< 0.000010		0.51	< 0.000010	< 0.00010	< 0.00030	0.00314	< 0	.0030
LC_SEEP11	LC_SEEP11_WS_FALL-2022_NP	2022-09-16	608	0.025	55.8	0.00	0665	0.00054	2	2.07	< 0.000010	18.5	0.52	< 0.000010	< 0.00010	< 0.00030	0.00299	< 0	.0030
LC_SEEP14	LC_SEEP14_WS_SPRING-2022_NP	2022-06-29	468	0.04	47.3	0.00	0021	0.00071	1.6	62.9	< 0.000010	6.71	0.19	< 0.000010	< 0.00010	< 0.00030	0.00338	< 0	.0030
LC SEEP15	LC SEEP15 WS SPRING-2022 NP	2022-06-29	530	0.009	52.3	0.00	7509	< 0.00050	1.02	118	< 0.000010	1.58	0.12	< 0.000010	< 0.00010	0.00093	0.00266	< 0	.0030
LC SEEP15	LC SEEP15 WS FALL-2022 NP	2022-09-23	568	0.01	56.4	0.00	0049	< 0.00050	0.961	119	< 0.000010	1.24	0.11	< 0.000010	< 0.00010	< 0.00030	0.0029	< 0	.0030
LC SEEP19	LC SEEP19 WS SPRING-2022 NP	2022-06-29	332	0.01	35.6	0.00	0028	0.00701	1.2	43.3	< 0.000010	1.05	0.13	< 0.000010	< 0.00010	< 0.00030	0.00366	0.0	0101
LC SEEP19	LC SEEP19 WS FALL-2022 NP	2022-09-26	742	0.018	77.1	0.00	0019	0.0145	1.67	67.1	< 0.000010	1.66	0.23	< 0.000010	< 0.00010	< 0.00030	0.00784	0.	.014
LC SEEP2	LC SEEP2 WS SPRING-2022 NP	2022-06-29	337	0.007	25.4	0.00	754	0.00098	0.976	4.81	< 0.000010	4.7	0.18	< 0.000010	< 0.00010	0.00145	0.00119	0.0	0034
LC SEEP2	LC SEEP2 WS FALL-2022 NP	2022-09-26	255	0.005	18.9	0.00	0027	< 0.00050	0.622	1.58	< 0.000010	2.45	0.12	< 0.000010	< 0.00010	< 0.00030	0.000888	< 0	.0030
LC SEEP8	LC SEEP8 WS SPRING-2022 NP	2022-06-28	169	0.001	16.1	0.0	051	0.0024	0.952	0.316	0.000024	0.99	0.07	0.000026	< 0.00010	0.0164	0.00124	0.0	0031
LC SEEP8	LC SEEP8 WS FALL-2022 NP	2022-09-20	138	0.005	16.5	0.	19	0.0321	3	0.96	0.00062	1.64	0.08	0.000425	< 0.00020	0.0441	0.00222	0.	.103
LC UDHP	LC UDHP WS SPRING-2022 NP	2022-06-23		0.009		0.00	0172	0.00082	1.53	9.43	< 0.000010	1.62	0.09	< 0.000010	< 0.00010	0.0006	0.00114	< 0	.0030
LC UDHP	LC UDHP WS FALL-2022 NP	2022-09-26	552	0.025	51.3	0.00	0219	0.00117	2.64	77.2	< 0.000010	7.86	0.2	0.00001	< 0.00010	0.00048	0.00199	< 0	.0030
LC UDP1	LC UDP1 WS SPRING-2022 NP	2022-06-23		0.008	19	0.00	0092	< 0.00050	1.38	1.26	< 0.000010		0.11	< 0.000010	< 0.00010	< 0.00030	0.00113	0.0	0033
LC UDP1	LC UDP1 WS FALL-2022 NP	2022-09-26		0.014	15.4	0.00	0121	< 0.00050	1.26	2.27	< 0.000010	2.57	0.08	< 0.000010	< 0.00010	0.00041	0.000582	< 0	.0030
LC WLC LOT2	LC WLC LOT2 WS SPRING-2022 NP	2022-07-08	995	0.032	120	0.00	0042	0.0266	2.42	250	< 0.000010	3.28	0.23	0.000029	< 0.00010	< 0.00030	0.00897	0.0	0631
LC WLC LOT2	LC WLC LOT2 WS FALL-2022 NP	2022-09-23	1100	0.06	103	0.00	0036	0.0115	2.4	99.7	< 0.000010	15.4	1.45	0.000016	< 0.00010	< 0.00030	0.00384	0.0	0203

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

d Guideline varies with pH

Appendix C 2022 Comparison Point Analytical Data Summary

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	Paramet	ters		l		Physical P	aramete	'S				Diss	olved Ino	rganics					Nutrien	ts				$\overline{}$
										.,,]										5
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Field ORP	Hd	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pН	mg/L	μS/cm	mV	pН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Minimum Maximum	Acute Chronic			Minimum Maximum			Acute		Acute					Acute	Acute	Chronic	Acute Chronic	Acute	Acute			Chronic		
BC WQG FWAL			n/a	6.5 9	1 5	n/a	n/a	6.5 9	n/a	n/a	25 5	n/a	8 2	n/a	n/a	n/a	n/a	600 15	0 0.4- ^a	128-429°	0.681-28.7 ^b 0.102-2.08	32.8 3.7	0.06-0.60° 0.02-0.20	c n/a	n/a	0.015	n/a	n/a
Coal Mountain Mine CM CC1	CM CC1 WS 2022-01-04 N	2022-01-06	T -	-	1			8.13	922	1620	< 1.0	1290	0.71	353	< 1.0	< 1.0	< 0.250	1.67	0.163	767	0.155	4.46	0.0391	0.472		0.0027	0.74	0.88
CM_CC1	CM CC1 WS 2022-01-04 N	2022-01-00	-	-	-		-	8.03	913	1640	2.3	1370			< 1.0	< 1.0				816	0.0899	4.5	0.0299	0.472		0.0027	0.74	0.76
CM CC1	CM CC1 WS 2022-01-11 N	2022-01-11	-	_	-	-	-	8.17	1050	1660	< 1.0		0.39		< 1.0	< 1.0			0.158	757	0.0568	4.05	0.0133	0.378		0.0039	0.57	< 0.50
CM CC1	CM CC1 WS 2022-03-01 N	2022-03-01	-	-	-	-	-	8.23	978	1640	2.2	1440	0.48		< 1.0	< 1.0			0.132	800	0.0069	4.53	0.0135	0.368	-	0.0028	1.21	1.12
CM CC1	CM CC1 WS 2022-03-15 N	2022-03-15	-	-	-	-	-	8.03	988	1660	1.2	1490			< 1.0	< 1.0			0.119	807	< 0.0050	4.47	< 0.0050	0.417	-	0.0026	0.58	0.56
CM CC1	CM CC1 WS 2022-03-22 N	2022-03-22	-	-	-	-	-	8.29	1030	1690	1.7	1370	0.19		< 1.0	< 1.0			0.125	746	< 0.0050	4.35	0.006	0.327	_	0.0023	0.61	0.57
CM CC1	CM CC1 WS 2022-03-29 N	2022-03-29	-	-	-	-	-	8.16	970	1540	1.8	1290	2.45		< 1.0	< 1.0			0.17	721	0.005	4.08	0.008	0.289	-	0.0044	0.71	0.64
CM CC1	CM CC1 WS 2022-04-05 N	2022-04-05	-	-	-	-	-	8.22	899	1580	1.2	1240	0.91	362	< 1.0	< 1.0	< 0.250	3.66	0.15	662	0.045	3.61	0.0344	0.319	-	0.0026	1	0.76
CM CC1	CM CC1 WS 2022-04-12 N	2022-04-12	-	-	-	-	-	8.12	889	1540	2.1	1190	1.08		< 1.0	< 1.0	< 0.250	3.5	0.166	672	0.0225	3.67	0.0139	0.272	-	0.0034	0.77	0.75
CM CC1	CM CC1 WS 2022-04-19 N	2022-04-19	-	-	-	-	-	8.07	872	1560	2.4	1250	0.91	360	< 1.0	< 1.0	< 0.250	3.41	0.155	690	0.021	3.96	0.006	0.374	-	0.0031	0.68	0.76
CM CC1	CM CC1 WS 2022-04-26 N	2022-04-26	-	-	-	-	-	8.32	818.5	1500	2.95	1205	2.35	347	3.55	< 1.0	< 0.250	3.385	0.168	688.5	0.011	3.875	0.01385	0.239	-	0.0039	0.91	0.905
CM CC1	CM CC1 WS 2022-05-03 N	2022-05-03	-	-	-	-	-	8.13	772	1420	3.7	1120	2.55	327	< 1.0	< 1.0	< 0.250	3.06	0.191	644	0.0653	3.06	0.0219	0.5	-	0.0037	0.64	0.68
CM_CC1	CM_CC1_2022-05-06_N2	2022-05-06	-	-	-	-	-	-	-	-	8.6	-	9.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_CC1	CM_CC1_2022-05-06_N1	2022-05-06	-	-	-	-	-	-	-	-	10.2	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-		-
CM_CC1	CM_CC1_2022-05-07_N1	2022-05-07	-	-	-	-	-	-	-	-	10.6	-	11.2	-	-	-	-	-	-	-	-	-	-	-	-	-		-
CM_CC1	CM_CC1_WS_2022-05-10_N	2022-05-10	-	-	-	-	-	8.28	694	1340	4	1120	4.48	338	< 1.0	< 1.0	< 0.250	2.65	0.196	587	0.0972	3.81	0.0181	0.478	-	0.0061	1.14	0.96
CM_CC1	CM_CC1_WS_2022-05-17_N	2022-05-17	-	-	-	-	-	8.2	730.5	1285	1.95	1040	3.155	307	< 1.0	< 1.0	< 0.250	2.255	0.1845	531.5	0.0744	2.77	0.0154	0.4705	-	0.00375	0.99	0.905
CM_CC1	CM_NNP_WS_2022-05-17_N	2022-05-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
CM_CC1	CM_CC1_WS_2022-05-24_N	2022-05-24	-	-	-	-	-	8.14	721	1290	2.4	992	1.26		< 1.0	< 1.0		2.07	0.176	538	0.0532	3.01	0.0092	0.352	-	0.0032	0.98	0.88
CM_CC1	CM_CC1_WS_2022-05-31_N	2022-05-31	-	-	-	-	-	8.45	637	1150	5.3	931	3.11	279	8.6	< 1.0	< 0.250	1.14	0.155	474	0.0556	2.86	0.0093	0.322	-	0.0061	1.18	0.78
CM_CC1	CM_CC1_WS_2022-06-07_N	2022-06-07	-	-	-	-	-	8.26	654	1160	4.8	843	2.17	296	< 1.0	< 1.0	< 0.250	1	0.174	465	0.0666	2.5	0.0096	0.351	-	0.0065	1.25	1.08
CM_CC1	CM_CC1_WS_2022-06-14_N	2022-06-14	-	-	-	-	-	8.21	538	1030	11.6	720	8.2	286	< 1.0	< 1.0			0.14	423	0.0407	1.88	< 0.0050	0.418	-	0.0116	2.37	0.83
CM_CC1	CM_CC1_WS_2022-06-21_N	2022-06-21	-	-	-	-	-	8.205		1030	1.65				< 1.0	< 1.0			0.142	392	0.06025	1.89	0.01245	0.277	-	0.0042	< 0.50	
CM_CC1	CM_CC1_WS_2022-06-28_N	2022-06-28	-	-	-	-	-	8.23	798	1360	1.6	1040	0.74		< 1.0	< 1.0			0.188	517	0.0779	2.28	0.0148	0.354	-	0.0033	1	0.89
CM_CC1	CM_CC1_WS_2022-07-05_N	2022-07-05	-	-	-	-	-	8.12	834	1420	2.3	1130	1.3	362	< 1.0	< 1.0	< 0.250	1.23	0.163	619	0.0874	2.71	0.0163	0.365	-	0.0036	1.08	1
CM_CC1	CM_NNP_WS_2022-07-12_N	2022-07-12	-	-	-	-	-	-	-	-		-		-	-	-	-		-	-	-	-	-	-	-	-	-	-
CM_CC1	CM_CC1_WS_2022-07-12_N	2022-07-12	-	-	-	-	-	8.245	970.5	1475	1.7	1260	1.315		< 1.0	< 1.0					0.0907	2.59	0.0127	0.357	-	0.0033	0.695	0.71
CM_CC1	CM_CC1_WS_2022-08-02_N	2022-08-02	-	-	-	-	-	8.2	971	1580	1.85	1340	0.93	358.5	< 1.0	< 1.0			_		0.07795	3.065	0.02205	0.347	-	0.00335	< 0.50	
CM_CC1	CM_NNP_WS_2022-08-02_N	2022-08-02	-	-	-	-	-	-	-		- 4.0	<u> </u>	- 4.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_CC1	CM_CC1_2022-08-25_N1	2022-08-25	-	-	-	-	-	- 0.145	- 4000 5	4000	1.9	4005	1.33		- 110	- 110		- 245	- 0.4005	- 005.5	0.02405	2 105	- 0.01665	- 0.5005	-		- 0.505	- 0.005
CM_CC1 CM_CC1	CM_CC1_WS_2022-09-06_N CM_CC1_WS_SEPT-2022_N	2022-09-06 2022-09-08	-	-		-	-	8.145 8.18	1026.5 1040	1630 1600	2.35	1335 1330	0.59		< 1.0 < 1.0	< 1.0 < 1.0		2.345	0.1665	805.5 746	0.03495 0.0361	3.185 3.15	0.01665 0.0246	0.5605	-	< 0.0020 < 0.0020		0.605
CM_CC1	CM_CC1_WS_SEPT-2022_N CM_CC1_WS_2022-10-04_N	2022-09-08	-	-	-	-	-	8.09	1040	1510	2.8				< 1.0		< 0.250		0.204	764	0.0361	3.15	0.0246	0.308		0.0024	0.71	0.67
CM_CC1	CM_CC1_WS_2022-10-04_N CM_CC1_WS_2022-11-01_N	2022-10-04	+ -	-		-	-	7.84	1020	1670	2.5	1400	3.34		< 1.0	< 1.0			0.19	802	0.0115	3.54	0.0196	0.325		0.0024	0.89	0.86
CM_CC1	CM_CC1_WS_2022-11-01_N CM_CC1_WS_2022-12-06_N	2022-11-01	-	-		-		8.235	1165	1680	1.85	1430	0.415		< 1.0	< 1.0			0.139	796	0.0366	3.645	0.0194	0.303		< 0.0027	< 0.50	< 0.50
CM_CC0FF	CM_CC1_WS_2022-12-06_N CM_CC0FF_WS_2022-01-04_NP	2022-12-06	+	-				8.12	995	1720	1.00	1410	1.52		< 1.0	< 1.0			0.139	805	0.0242	5.28	0.01445	0.1615	- -	0.0025	0.7	0.78
CM_CCOFF	CM_CCOFF_WS_2022-01-04_NP	2022-01-06	+ -	-				8.07	995	1760	< 1.0		1.12		< 1.0	< 1.0		0.9	0.165	868	0.334	5.27	0.0458	0.504	- -	0.0025	0.78	0.75
CM_CCOFF	CM CCOFF WS 2022-01-11 NP CM CCOFF WS 2022-01-18 NP	2022-01-11	+ -	-	-	-	-	8.15		1750	< 1.0						< 0.250		0.146		0.094	5.2	0.0342	0.504		0.003	0.78	0.75
UVI_UUUFF	GIVI_GGGFF_VV3_2022-01-10_NP	2022-01-10				-	-	0.10	1000	17:00	\ 1.0	1000	0.02	300	\ 1.0	\ 1.0	> 0.∠50	1.1	U.14	090	0.034	J. Z	0.0342	0.43		0.0027	0.0	0.70

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

BOLD ITALIC Concentrate greater than the chronic (30-Day average) BCWQG for FWAL Concentrate greater than the acute (short term) BCWQG for FWAL

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	l Param	eters			P	hysical P	arameters	s				Disse	olved Inor	rganics					Nutrient	ts				$\overline{}$
																1												Ę.
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Field ORP	Hd	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С		mg/L	μS/cm	mV	рН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a	9.9 Minimum & Maximum	1 Acute 9 Chronic	n/a	n/a 6	6 Maximum	n/a	n/a	52 Acute 9 Chronic	n/a	α Acuteδ Chronic	n/a	n/a	n/a	n/a	900 Acute Chronic) 0.4- a	20 Chronic 128-429	9.0.102-2.08	Acute Acute Chronic G	Acute Chronic 0.06-0.60° 0.02-0.20°	° n/a	n/a	Chronic Chronic	n/a	n/a
Coal Mountain Mine				•		•				•				•			•		•								•	
CM_CCOFF CM_CCOFF	CM_CCOFF_WS_2022-01-19_NP CM_CCOFF_WS_2022-01-25_NP	2022-01-19 2022-01-25	-	-	-	-		8.11 8.28	1110 1160	1760 1830	6.3 4.3	1380 1520	0.45	392 319	< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.450	6.34 1.4	< 0.162	863	0.094 0.0631	5.14 5.68	0.0252 0.0366	0.381	-	0.0024 0.0027	0.79 0.52	0.82 0.51
CM_CCOFF	CM_CCOFF_WS_2022-01-25_NP CM_CCOFF_WS_2022-02-01_NP	2022-01-25	+ -	-	-	-		8.21	1110	1850	2.3	1680	0.28	403	< 1.0	< 1.0	< 0.450	0.98	0.14	975	0.0626	5.59	0.0366	0.334	-	0.0027	< 0.50	
CM_CCOFF	CM_CCOFF_WS_2022-02-08_N	2022-02-08	-	-	-	-		8.19	1240	1860	2.5	1700	0.22	380	< 1.0	< 1.0	< 0.250	1.27	0.17	915	0.0465	5.16	0.0189	0.255	-	0.003	0.83	0.66
CM_CCOFF	CM_CCOFF_WS_2022-02-15_NP	2022-02-15	-	-	-	-	-	8.25	1160	1870	1.2	1660	0.3	382	< 1.0	< 1.0	< 0.250	0.89	0.109	924	0.0316	5.13	0.0229	0.365	-	0.003	0.6	0.52
CM_CCOFF	CM_CCOFF_WS_2022-02-22_NP	2022-02-22	-	-	-	-		8.18	1170	1910	2.5	1640	0.29	393	< 1.0	< 1.0	< 0.250	1.14	0.141		0.0285	5.22	0.0202	0.397	-	< 0.0020	0.72	0.61
CM_CCOFF	CM_CCOFF_WS_2022-03-01_NP	2022-03-01	-	-	-	-		8.23	1220	1900	2.2	1670		399	< 1.0	< 1.0	< 0.250	0.9	0.127		0.0296	5.27	0.0241	0.527	-	0.0021	1.02	1.02
CM_CCOFF CM_CCOFF	CM_CCOFF_WS_2022-03-08_NP CM_CCOFF_WS_2022-03-15_NP	2022-03-08 2022-03-15	-	-	-	-		8.16 8.03	1200 1170	1880 1920	2.9 3.8	1720 1660	0.39	408 407	< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250	1.3 1.22	0.153		0.0388 0.0288	5.2 5.4	0.0254 0.0222	0.405	-	0.0032 0.0034	0.53	0.55 < 0.50
CM_CCOFF	CM_CCOFF_WS_2022-03-15_NP CM_CCOFF_WS_2022-03-22_NP	2022-03-15	-	-		-		8.19	1240	1950	1.9	1620		414	< 1.0	< 1.0	< 0.250		0.122		0.0242	5.29	0.0222	0.329	-	0.0034	0.67 < 0.50	
CM CCOFF	CM CCOFF WS 2022-03-29 NP	2022-03-29	-	-	-	-		8.12	1140	1780	7.6	1460	6.57	375	< 1.0	< 1.0	< 0.250	1.45	0.171		0.0662	4.8	0.0281	0.372	-	0.0046	0.75	< 0.50
CM_CCOFF	CM_CCOFF_WS_2022-04-05_NP	2022-04-05	-	-	-	-		8.13	1050	1840	4.8	1460	3.74	426	< 1.0	< 1.0	< 0.250	1.71	0.165		0.304	4.56	0.0346	0.612	-	0.0026	0.75	0.73
CM_CCOFF	CM_CCOFF_WS_2022-04-12_NP	2022-04-12	-	-	-	-		8.15	1070	1840	2.3	1500	1.88	437	< 1.0	< 1.0	< 0.250	1.7	0.186		0.206	4.73	0.0383	0.524	-	0.0041	0.61	0.6
CM_CCOFF	CM_CCOFF_WS_2022-04-19_NP	2022-04-19	-	-	-	-		7.99	1060	1810	6.2	1530	5.12		< 1.0	< 1.0	< 0.250	2.66	0.167		0.202	5.14	0.0498	0.497	-	0.0044	0.67	0.62
CM_CCOFF CM_CCOFF	CM_CCOFF_WS_2022-04-26_NP	2022-04-26	-	-	-	-		7.99	912	1690	13.8	1360	16.6	369	< 1.0	< 1.0	< 0.250	1.54	0.186		0.164	4.91	0.0383	0.359	-	0.006	0.78	0.71
CM_CCOFF	CM_CCOFF_WS_2022-05-03_NP CM_CCOFF_2022-05-06_NP1	2022-05-03 2022-05-06	-	-	1	-	-	7.99	878	1730	6.2 7.7	1340	4.88 6.53	438	< 1.0	< 1.0	< 0.250	1.62	0.202	769	0.2	5.81	0.0465	0.31	-	0.0047	< 0.50	< 0.50
CM CCOFF	CM CCOFF 2022-05-07 NP1	2022-05-07	+	-	- -	-	-	-		-	7.6	-	7.35	-		+ -	+ -	-	-	-	-	_	-	-		+ -	-	-
CM CCOFF	CM CCOFF WS 2022-05-10 NP	2022-05-10	-	-	-	-	-	8.2	825	1510	13.4	1220	11.5	376	< 1.0	< 1.0	< 0.250	1.12	0.213	687	0.193	5.88	0.0282	0.528	-	0.0094	1.12	0.81
CM_CCOFF	CM_CCOFF_WS_2022-05-17_NP	2022-05-17	-	-	-	-	-	8.16	776	1470	3.6	1210	5.05	339	< 1.0	< 1.0	< 0.250	1.08	0.164	635	0.139	4.48	0.0219	0.917	-	0.0054	0.83	0.81
CM_CCOFF	CM_CCOFF_WS_2022-05-24_NP	2022-05-24	-	-	-	-		8.23	750	1320	2.4	1020	1.8	308	< 1.0	< 1.0	< 0.250	0.98	0.165		0.0564	3.9	0.0203	0.358	-	0.0039	0.83	0.68
CM_CCOFF	CM_CCOFF_WS_2022-05-31_NP	2022-05-31	-	-	-	-		8.34	691	1170	9.1	942	4.64		4.2	< 1.0			0.157		0.0502	3.48	0.0136	0.382	-	0.0066	1.35	0.66
CM_CCOFF	CM_CCOFF_WS_2022-06-07_NP	2022-06-07	-	-	-	-		8.08	642	1220	5.1	886	3.57	289	< 1.0	< 1.0	< 0.250	0.56	0.172		0.0382	3.12	0.0108	< 0.500	-	0.0072	1.41	1.13
CM_CCOFF CM_CCOFF	CM_CCOFF_WS_2022-06-14_NP CM_CCOFF_WS_2022-06-21_NP	2022-06-15 2022-06-21	-	-	-	-		8.26 8.03	591 708	1160 1080	6.4 < 1.0	876 894	6.36 1.97	281 315	2.3 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250	3.08 0.51	0.14		0.0294 0.042	2.6	< 0.0050 0.0066	0.23	-	0.0064 0.0035	0.94 1.02	0.79 0.98
CM CCOFF	CM_CCOFF_W3_2022-00-21_NF CM_CCOFF_WS_2022-06-28_NP	2022-06-28	-	-	-	-		8.21	806	1420	1.8	1100	1.7	364	< 1.0	< 1.0	< 0.250	0.54	0.134		0.0533	2.71	0.0159	0.356	-	0.0033	1.02	0.98
CM CCOFF	CM CCOFF WS 2022-07-05 NP	2022-07-05	-	-	-	-		8.05	988	1510	4.2	1230		401	< 1.0	< 1.0	< 0.250	0.75	0.135		0.0498	3.08	0.0174	0.378	-	0.0052	1.25	0.97
CM CCOFF	CM CCOFF WS 2022-07-12 NP	2022-07-12	-	-	-	-		8.21	1170	1680	2.2	1490	1.48	441	< 1.0	< 1.0	< 0.250	1.16	0.115		0.0059	3.52	0.0129	0.266	-	0.0034	0.84	1
CM_CCOFF	CM_CCOFF_WS_2022-07-19_NP	2022-07-19	-	-	-	-	-	8.14	1100	1720	1.9	1470	1.51	458	< 1.0	< 1.0	< 0.250	0.85	0.168	808	0.0255	3.55	0.0157	0.164	-	0.0034	< 0.50	< 0.50
CM_CCOFF	CM_CCOFF_WS_2022-07-26_NP	2022-07-26	-	-	-	-		7.84	1180	1780	1.4	1530	1.06	462	< 1.0	< 1.0	< 0.250	0.82	0.126		0.0281	3.7	0.0117	0.254	-	0.0029	< 0.50	
CM_CCOFF	CM_CCOFF_WS_2022-08-02_NP	2022-08-02	-	-	-	-		8.09	1180	1810	5.9	1560	4.58	461	< 1.0	< 1.0	< 0.250	0.83	0.146		0.0257	3.83	0.0196	0.301	-	0.0051	< 0.50	
CM_CCOFF CM_CCOFF	CM_CCOFF_WS_2022-08-09_NP CM_CCOFF_WS_2022-08-16_NP	2022-08-10 2022-08-16	-	-	-	-		8.13 7.95	1310 1210	1830 1870	1.3 4.1	1460 1720	1.07	447	< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250	0.89	0.154		0.021 0.0221	3.94 3.62	0.0183 0.0153	0.416	-	0.0038	0.87 < 0.50	0.94 < 0.50
CM_CCOFF	CM_CCOFF_WS_2022-06-16_NP CM_CCOFF_WS_SESMP_2022-08_N	2022-08-16	+ -	-	-	-		8.08	1220	1840	42.4	1580	5.17	438 465	< 1.0	< 1.0	< 0.250	1.01	0.153		0.0221	4.1	0.0199	0.442	-	0.003	0.66	0.72
CM CCOFF	CM CCOFF WS 2022-08-23 NP	2022-08-23	-	-	-	-		8.2	1340	1880	1.8	1720	0.5	485	< 1.0	< 1.0	< 0.250		0.15		0.0259	4.13	0.0194	0.292	-	< 0.0020	0.72	0.73
CM_CCOFF	CM_CCOFF_2022-08-25_NP1	2022-08-25	-	-	-	-	-	-	-	-	4.3	-	2.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_CCOFF	CM_CCOFF_2022-08-25_NP2	2022-08-25	-	-	-	-	-	-	-	-	1460	-	2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_CCOFF	CM_CCOFF_2022-08-25_NP3	2022-08-25	-	-	-	-	-	-	-	-	9.7	-	3.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_CCOFF	CM_CCOFF_WS_2022-08-30_NP	2022-08-30	-	-	-	-		8.05	1250	1880	3.2	1530	_		< 1.0	< 1.0	< 0.250	0.99	0.124		0.029	4.17	0.0138	0.33	-	0.0087	0.84	0.76
CM_CCOFF	CM_CCOFF_WS_2022-09-06_NP CM_CCOFF_WS_2022-09-13_NP	2022-09-06	-	-	-	-		8.14 g 13	1350 1280	1980	4.9	1620			< 1.0		< 0.250	0.00	0.127		0.0299	4.2	0.0153	0.414	-	0.0028	0.85 < 0.50	0.8
CM_CCOFF CM CCOFF	CM_CCOFF_WS_2022-09-13_NP CM_CCOFF_WS_2022-09-20_NP	2022-09-13 2022-09-20	-	-	-	-				1890 1940							< 0.250				0.0299 0.0229	4.22 4.31	0.0214 0.0168	0.456	-			0.83
CM CCOFF	CM_CCOFF_WS_2022-09-20_NF	2022-09-27	+ -	-	-	-			1370	1850	3.9		0.49		< 1.0		< 0.250			988	0.0254	4.4	0.0187	0.309	-	< 0.0020		0.62
CM_CCOFF	CM_CCOFF_WS_2022-10-04_NP	2022-10-04	-	-	-	-			1360	1810							< 0.250		0.116		0.0071	4.55	0.0142	0.312	-	0.0023		1.04
CM_CCOFF	CM_CCOFF_WS_2022-10-11_NP	2022-10-11	-	-	-	-			1370			1680	1.55	501	< 1.0	< 1.0	< 0.250	1.07	0.144	1030	< 0.0050	4.72	0.0111	0.302	-	0.0031	1.14	1.06
CM_CCOFF	CM_CCOFF_WS_2022-10-18_NP	2022-10-18	-	-	-	-			1410	1880	3.3			506			< 0.250			993	0.0284	4.54	0.0164	0.482	-	< 0.0020		0.68
CM_CCOFF	CM_CCOFF_WS_2022-10-25_NP	2022-10-25	-	-	-	-		8.1	1350	1990	4.2						< 0.250			1060	0.0067	4.9	0.0105	0.35	-	0.004		0.69
CM_CCOFF	CM_CCOFF_WS_2022-11-01_NP	2022-11-01	-	-	-	-			1260	1930	11						< 0.250		0.146		0.0978	4.41	0.0187	0.346	-	0.006		0.89
CM_CCOFF CM CCOFF	CM_CCOFF_WS_2022-11-08_NP CM_CCOFF_WS_2022-11-15_NP	2022-11-08 2022-11-15	-	-	-	-			1170 1350	1850 1960	3.4 1.1			453			< 0.250 < 0.250			971 982	0.16 0.172	4.64 4.69	0.0286 0.03	0.38	-	0.0032 < 0.0020		0.58
CIVI_CCOFF		2022-11-13					1	0.12	1330	1900	1 1.1	1790	1.00	449	\ 1.0	<u> </u>	> ∪.∠5U	1.4	0.193	302	V. 17Z	4.09	0.03	0.433		<u> </u>	\ ∪.5∪	∨ 0.50

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

		Г		Field	Parame	ters			Physical Pa	rameter	s				Disso	olved Ino	rganics					Nutrient	s				
					Ī				Ţ				1														5
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity Field ORP	Hd	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	рН	mg/L	μS/cm mV	pН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Minimin	Maximum	- Acute Chronic		Minimum	Maximum		Acute		Acute					Acute	Acute	Chronic	Acute Chronic	Acute	Acute			Chronic	,	<u></u>
BC WQG FWAL Coal Mountain Mine			n/a 6	.5 9	1 5	n/a n/a	6.5	9 n/a	n/a	25 5	n/a	8 2	n/a	n/a	n/a	n/a	600 150	0.4- ^a	128-429	0.681-28.7 ^b 0.102-2.0	8 32.8 3.7	0.06-0.60° 0.02-0.20°	n/a	n/a	0.015	n/a	n/a
CM CCOFF	CM CCOFF WS 2022-11-22 NP	2022-11-22	- 1	-	-	- -	8.24	1220	1990	1.7	1790	1.64	440	< 1.0	< 1.0	< 0.250	1.68	0.199	988	0.194	4.68	0.0341	0.655	-	0.0025	0.85	0.79
CM_CCOFF	CM_CCOFF_WS_2022-11-29_NP	2022-11-29	-	-	-		8.16		1940	2	1670	1.17		< 1.0	< 1.0	< 0.250			1000	0.158	4.88	0.0336	0.246	-	0.0028	0.61	0.69
CM_CCOFF	CM_CCOFF_WS_2022-12-06_NP	2022-12-07	-	-	-		8.15		2000	3.9	1820	0.84		< 1.0	< 1.0	< 0.250		0.184		0.0701	4.84	0.0252	0.26	-	< 0.0020	0.54	0.58
CM_CCOFF	CM_CCOFF_WS_2022-12-13_NP	2022-12-13	-	-	-		8.26			1.3	1860	1.43		< 1.0	< 1.0	< 0.250			1080	0.171	4.95	0.0372	0.432	-	0.003	< 0.50	< 0.50
CM_CCOFF CM SPD	CM_CCOFF_WS_2022-12-28_NP	2022-12-28	-	-	-		7.103		1960	1.6 1.6667	1630	2.13		< 1.0	< 1.0	< 0.250	1.59	0.198		0.146 0.171666667	4.72 2.9202333	0.0406 0.0195	0.422	-	< 0.0020	< 0.50 0.57333	< 0.50
CM_SPD CM_SPD	CM_NNP_WS_2022-01-04_N CM_SPD_WS_2022-01-11_N	2022-01-06 2022-01-11	-	-	-		8.03			2.6	926.67 1620	1.14		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250			616.01 959	0.17100007	2.9202333 4.8	0.0195	0.384	-	0.0029 0.0043	0.57333	0.64
CM_SPD	CM SPD WS 2022-01-11 N	2022-01-11		-	-		8.17			1.6	1520	0.86		< 1.0	< 1.0	< 0.250			883	0.167	4.38	0.0247	0.456		0.0043	< 0.50	< 0.50
CM SPD	CM NNP WS 2022-02-01 N	2022-02-01	-	-	-		6.81			< 1.0		0.47		< 1.0	< 1.0	< 0.250			423.65	0.089	2.1325	0.0124	0.282	-	0.0036	< 0.50	< 0.50
CM SPD	CM SPD WS 2022-03-01 N	2022-03-01	-	-	-		8.22		1880	4.3	1700	1.54		< 1.0	< 1.0	< 0.250			975	0.0345	6.63	0.0132	0.437	-	0.0038	1.38	1.24
CM_SPD	CM_SPD_WS_2022-03-15_N	2022-03-15	-	-	-		8	1100	1880	2.4	1780	0.85	331	< 1.0	< 1.0	< 0.250	3.09	0.131	980	0.0166	6.44	0.0077	0.376	-	0.0037	0.81	0.65
CM_SPD	CM_SPD_WS_2022-03-22_N	2022-03-22	-	-	-		8.2		1890	2.4	1500	0.65	348	< 1.0	< 1.0	< 0.250		0.142	939	0.0131	6.63	0.0105	0.532	-	0.0028	0.76	1.29
CM_SPD	CM_SPD_WS_2022-03-29_N	2022-03-29	-	-	-		8.17		1620	4.1	1350	8.15		< 1.0	< 1.0	< 0.250		0.178		0.0196	5.4	0.0158	0.393		0.0066	0.94	0.69
CM_SPD	CM_SPD_WS_2022-04-05_N	2022-04-05	-	-	-		8.24			2.8	1320	3.18		< 1.0		< 0.250			759	0.0143	4.68	< 0.0050	0.389	-	0.005	1.37	1.25
CM_SPD	CM_SPD_WS_2022-04-12_N	2022-04-12	-	-	-		8.06		1660	3.3	1370	3.2		< 1.0	< 1.0	< 0.250		0.168		0.0159	4.63	0.0132	0.344	-	0.0049	1.01	0.98
CM_SPD	CM_SPD_WS_2022-04-19_N	2022-04-19	-	-	-		8.07		1710	3.3	1390	2.88		< 1.0	< 1.0	< 0.250		0.151		0.013 0.0093	5.23	0.0061	0.337	-	0.0044	1.05	1 1 00
CM_SPD CM_SPD	CM_SPD_WS_2022-04-26_N CM_SPD_WS_2022-04-27_N	2022-04-26 2022-04-27	-	-	-		8.29 8.26		1620 1520	4.3	1320 1270	3.7 5.37		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250		0.172	793 703	0.0093	4.63 4.66	0.013 0.0119	0.122	-	0.0036	1.06 1.23	1.02
CM_SPD	CM SPD WS 2022-04-27 N	2022-04-27	-	-			8.18		1530	3.5	1170	5.44		< 1.0	< 1.0	< 0.250		0.113		0.0223	3.6	0.0119	0.451	-	0.0048	1.02	0.98
CM SPD	CM SPD WS 2022-04-29 N	2022-04-29	-	-	-		8.12		1540	6.4	1330	4.15		< 1.0	< 1.0	< 0.250		0.202		0.097	3.51	0.025	0.398	-	0.0064	0.86	0.85
CM SPD	CM SPD WS 2022-05-03 N	2022-05-03	-	-	-		8.14		1440	4	1170	4.53		< 1.0	< 1.0	< 0.250		0.203		0.126	2.51	0.0181	0.542	-	0.0057	1.14	0.84
CM_SPD	CM_SPD_2022-05-06_N2	2022-05-06	-	-	-		-	-	-	21.7	-	23.8		-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_SPD	CM_SPD_2022-05-06_N1	2022-05-06	-	-	-		-	-	-	22.5	-	25.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_SPD	CM_SPD_2022-05-07_N1	2022-05-07	-	-	-		-	-	-	16.6	-	25.6		-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_SPD	CM_NNP_WS_2022-05-10_N	2022-05-10	-	-	-			3 477.83		-	756.67		201.67		< 1.0	< 0.250			398.1	0.093666667	1.445	0.007066667	0.3763	-	0.0056	1.07	0.98
CM_SPD	CM_SPD_WS_2022-05-17_N	2022-05-17	-	-	-		8.14		1430	3	1190	5.8		< 1.0	< 1.0	< 0.250		0.201		0.166	2.31	0.0155	0.64	-	0.0044	1.12	1.02
CM_SPD CM SPD	CM_NNP_WS_2022-05-24_N CM_NNP_WS_2022-05-31_N	2022-05-24 2022-05-31		-			7.273 7.336		7 974 7 944	2.6333		2.14 1.3767		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250			431.1 436.1	0.115666667 0.130333333	1.7983333 1.6583333	0.011033333 0.009433333	0.3693	-	0.0033 0.003267	0.92333	0.8533
CM_SPD	CM_NNP_WS_2022-05-31_N CM_NNP_WS_2022-06-07_N	2022-05-31	-	-	-		7.243			2.9333	, , ,			< 1.0	< 1.0	< 0.250			500.1	0.13033333	1.535	0.009433333	0.403	-	0.003267	0.84	0.7933
CM SPD	CM SPD WS 2022-06-14 N	2022-06-14	-	-	-	- -	8.22			20.5		30.4		2.4	< 1.0	< 0.250			536	0.198	1.9	0.0159	0.537	-	0.0166	2.95	0.67
CM_SPD	CM_SPD_2022-06-15_N1	2022-06-15	-	-	-		-	-	-	8.2	-	15.5		-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_SPD	CM_SPD_WS_2022-06-21_N	2022-06-21	-	-	-		8.05		1450	1.8	1260	4.17		< 1.0	< 1.0	< 0.250			656	0.271	2.18	0.0158	0.489	-	0.0041	1	0.8
CM_SPD	CM_SPD_WS_2022-06-28_N	2022-06-28	- [-	-		8.09		1630	2.2	1320	1.01		< 1.0	< 1.0	< 0.250		0.191		0.291	2.43	0.0227	0.511	-	0.0024	0.71	0.74
CM_SPD	CM_NNP_WS_2022-07-05_N	2022-07-05	-	-	-		7.256			2.1667	873.33			< 1.0	< 1.0	< 0.250		0.147		0.196333333	1.8816667	0.0191	0.3997	-	0.002733	0.72333	0.71
CM_SPD CM_SPD	CM_SPD_WS_2022-07-12_N	2022-07-12	-	-	-		8.19		1630	2.1	1370	0.95		< 1.0	< 1.0	< 0.250			724	0.285 0.255	2.73 3.46	0.0278 0.0248	0.545	-	0.0032	< 0.50	0.54
CM_SPD CM_SPD	CM_SPD_WS_2022-07-26_N CM_SPD_WS_2022-08-02_N	2022-07-26 2022-08-02		-	-		7.68 8.16		1690 1660	< 1.0 2.7		0.81 1.45		< 1.0 < 1.0	< 1.0	< 0.250 < 0.250		0.223		0.255	3.46	0.0248	0.504	-	< 0.0020	< 0.50 < 0.50	< 0.50
CM_SPD	CM SPD WS 2022-08-02 N	2022-08-09		-	-		8.16		1660	1	1440	0.93		< 1.0	< 1.0	< 0.250		0.271		0.189	3.26	0.0366	0.464	-	0.0027	1.08	0.93
CM_SPD	CM SPD WS 2022-08-10 N	2022-08-10	-	-	-		8.18		1660	< 1.0	1330	0.89		< 1.0	< 1.0	< 0.250		0.288		0.211	3.22	0.0376	0.496		0.0027	0.69	0.79
CM SPD	CM SPD WS 2022-08-11 N	2022-08-11	-	-	-		8.18			1.1	1380	1.11		< 1.0	< 1.0	< 0.250		0.29		0.229	3.24	0.0381	0.46	-	0.004	0.56	0.53
CM_SPD	CM_SPD_WS_SESMP_2022-08_N	2022-08-16	-	-			8.17	968	1640	1.8	1400	0.71	341	< 1.0	< 1.0	< 0.250	1.8	0.289	803	0.191	3.25	0.047	0.468	-	< 0.0020	0.58	0.62
CM_SPD	CM_SPD_2022-08-25_N1	2022-08-25	-	-	-		-	-	-	1.3	-	1.13		-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_SPD	CM_SPD_WS_2022-09-06_N	2022-09-06	-	-	-		8.12		1650	2.3		1.3		< 1.0	< 1.0	< 0.250			844	0.106	3.45	0.0398	0.473	-	0.0023	0.57	0.57
CM_SPD	CM_SPD_WS_2022-10-04_N	2022-10-04	-	-	-		7.14			1.7333		0.71		< 1.0	< 1.0	< 0.250		0.1567		0.046866667	2.785	0.038	0.3123	-	0.005333	0.96667	1.01
CM_SPD	CM_SPD_WS_2022-11-01_N	2022-11-01	-	-	-	- -	8.16			6.5	1490			< 1.0	< 1.0	< 0.250		0.21		0.0993	4.11	0.049	0.389	-	0.0055	1.13	0.78
CM_SPD	CM_SPD_WS_2022-11-17_N	2022-11-17	-	-	-		8.21	1100	1770	4.4	1620	2.32	369	< 1.0	< 1.0	< 0.250	6.75	0.223	956	0.0999	4.04	0.0302	< 0.500	-	0.0033	1.16	1.04

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	l Parame	eters			Р	hysical Pa	arameters	s				Diss	olved Ino	rganics					Nutrient	s				
																		Ĭ										<u> </u>
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Field ORP	HQ.	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	рН	mg/L	μS/cm r	nV p	Н	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a 6	Winimum 9 Maximum	L Acute G Chronic	n/a i	mnwiuiW n/a 6.5	ω Maximum	n/a	n/a	52 Acute Gronic	n/a	ω Acute	n/a	n/a	n/a	n/a	Acute 000	9 Acute 00 0.4- a	Chronic 128-429	9 0.681-28.7 ^b 0.102-2.08	Chronic Chronic	Acute O.00-0.60° 0.02-0.20°	n/a	n/a	Chronic 0.015	n/a	n/a
Elkview Operation														_		_	_		_	,								
EV_AQ6 EV AQ6	EV_AQ6_WS_2022-Q1_N EV_AQ6_WS_2022-02_MON_N	2022-01-07 2022-02-07	-	-	-	-		.39	370 346	683 665	8.6 2.4	407 365	1.32		12.6 5.9	< 1.0 < 1.0		45.8 45.6		46.6 43.3	0.0076 0.0059	0.158 0.127	< 0.0010 < 0.0010	0.073	-	0.0098	1.88 1.24	2.12 1.35
EV_AQ6 EV AQ6	EV_AQ6_WS_2022-02_MON_N EV_AQ6_WS_2022-03_MON_N	2022-02-07	-	-	-	-		.34	413	727	1.3	429	1.15		2.5	< 1.0 < 1.0	_	45.6	0.171		< 0.0059	0.0303	< 0.0010	0.074	-	0.0042	2.47	2.54
EV_AQ6	EV_AQ6_WS_2022-03_WEK13_N	2022-03-10	-	-	-	-	- 0.	-	-	-	1.0	-	1	-	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-03_WEK14_N	2022-03-28	-	-	-	-	-	-	-	-	3.3	-	2.86		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-04_WEK15_N	2022-04-04	-	-	-	-	-	-	-	-	1.1	-	1.48		-	-	-	- 00.7	- 0.004	-	-	- 0.0000	-	-	-	- 0.0005	-	-
EV_AQ6 EV AQ6	EV_AQ6_WS_2022-Q2_N EV_MC5_WS_2022-Q2_N	2022-04-12 2022-04-13	 	-	-	+ - +		.41	379 378	756 752	< 1.0 < 1.0	468 466	0.87		8.3 7.8	< 1.0 < 1.0		63.7 63.6		51.7 52.2	< 0.0050 < 0.0050	0.0068	< 0.0010 < 0.0010	0.117	-	0.0035	3.02	3.02
EV_AQ6	EV MC7 WS 2022-Q2 N	2022-04-13		-	-	-			< 0.50	< 2.0	< 1.0	< 10	_		< 1.0	< 1.0				0.30	< 0.0050	< 0.0050	< 0.0010	< 0.050	-	< 0.0030		_
EV_AQ6	EV_AQ6_WS_2022-04_WEK17_N	2022-04-18	_	-	-		-	-	-	-	< 1.0		0.73			-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-04_WEK18_N	2022-04-26	-	-	-	-		-	-	-	1.7	-	0.72		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-05_MON_N	2022-05-03	-	-	-	-		.58	361	706	2.2	452	0.79		12.1	< 1.0		58.5		52.9	0.0064	< 0.0050	< 0.0010	0.115	-	0.0035	2.4	2.42
EV_AQ6 EV AQ6	EV_AQ6_WS_2022-05_WEK20_N EV_AQ6_WS_2022-05_WEK21_N	2022-05-11 2022-05-16	-	-	-	-		-	-	-	1.4	-	0.48		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV AQ6 WS 2022-05 WEK21 N	2022-05-10	-	- -	-	-		-	-	-	< 1.0		0.52		-	+ -	-	-	-	-	-	+	-	-	-	+ -		-
EV_AQ6	EV_AQ6_WS_2022-05_WEK23_N	2022-05-30	-	-	-	-	-	-	-	-	1.4	-	0.42	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_MC8_WS_2022-06_MON_N	2022-06-07	-	-	-	-			< 0.50	< 2.0	< 1.0				< 1.0	< 1.0				< 0.30	< 0.0050	< 0.0050	< 0.0010	< 0.050	-	< 0.0020		_
EV_AQ6	EV_MC6_WS_2022-06_MON_N	2022-06-07	-	-	-	-		.45	394	695	< 1.0				10.6			48.6		57.5	< 0.0050	0.0092	< 0.0010	0.063	-	0.0032		_
EV_AQ6 EV AQ6	EV_AQ6_WS_2022-06_MON_N EV_AQ6_WS_2022-06-13_N_1743	2022-06-08 2022-06-13	-	-	-	-		.56	355	699	< 1.0 56.6	369	0.5 43.7		11.9	< 1.0	0.252	49.9	0.188	59	< 0.0050	0.0097	< 0.0010	0.057	-	0.0036	2.33	2.36
EV_AQ6	EV AQ6 WS 2022-06-13 N 1743 EV AQ6 WS 2022-06 WEK25 N	2022-06-13		-	-	+ - +		-	-	-	1	H	1.69	_	-	+ -	+	 -	+-	 -	-	-	-	-	-	+:	+-	+-
EV AQ6	EV AQ6 WS 2022-06-14 N 1725	2022-06-14	-	-	-		-	-	-	-	10.2	-	14.3	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-06-14_N_0650	2022-06-14	-	-	-	-	-	-	-	-	52.3	-	47.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-06_WEK26_N	2022-06-21	-	-	-	-	-	-	-	-	1.1	-	0.6		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-06_WEK27_N	2022-06-28	-	-	-	-	-	-	-	- 700	< 1.0	- 400	0.62		- 44.5		- 0.000	- 51.0	- 0.400	- 05.5	- 0.0050	- 0.0000	- 0.0010	- 0.400	-	- 0.0004	- 4.00	- 4.70
EV_AQ6 EV AQ6	EV_AQ6_WS_2022-Q3_N EV_MC6_WS_2022-Q3_N	2022-07-06 2022-07-06	-	-	-	-		.54 .53	389 372	700 700	< 1.0 < 1.0	483 490	0.54		14.5 13.9	< 1.0 < 1.0	0.296	51.6 51.5		65.5 65.5	< 0.0050 0.0209	0.0299	< 0.0010 < 0.0010	0.126	-	0.0034 0.0042	1.89 1.95	1.73
EV_AQ6	EV MC8 WS 2022-Q3 N	2022-07-06	-	-	-	-		_	< 0.50	< 2.0	< 1.0	< 10			< 1.0					03.3	< 0.0050	< 0.0050	< 0.0010	< 0.050	-	< 0.0042		9.11
EV_AQ6	EV_AQ6_WS_2022-07_WEK29_N	2022-07-12	-	-	-	-	-	-	-	-	1.4	-	0.69		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-08_MON_N	2022-08-10	-	-	-	-		.52	318	619	< 1.0	342	1.07		9	< 1.0		36.7		41.4	0.0087	0.0624	< 0.0010	0.154	-	0.0039	1.42	1.49
EV_AQ6	EV_AQ6_WS_SESMP_2022_08_N	2022-08-11	-	-	-	-		.37	305	576	8.5	352	1.1		9.4	< 1.0		37	0.169		0.0057	0.0719	< 0.0010	0.072	-	0.0047	1.06	0.97
EV_AQ6 EV AQ6	EV_AQ6_WS_2022-09_MON_N EV_MC8_WS_2022-09_MON_N	2022-09-07 2022-09-07	 	<u> </u>	-	+ - +		.44 48	302 < 0.50	540 < 2.0	< 1.0	325 < 10	0.81 < 0.10		11.4 < 1.0	< 1.0 < 1.0		34.6		38.5	< 0.0050 < 0.0050	0.0402 < 0.0050	< 0.0010 < 0.0010	< 0.099	-	0.0051 < 0.0020	1.9 < 0.50	1.36 < 0.50
EV_AQ6	EV_MC8_WS_2022-09_MON_N EV_AQ6_WS_2022-09-08_N	2022-09-07		-	-	-		.38	305	554	< 1.0		1	283	9	< 1.0		34.8			< 0.0050	0.0449	< 0.0010	0.095	-	0.0020	1.49	1.6
EV_AQ6	EV_AQ6_WS_2022-09-09_N	2022-09-09	-	-	-	-		3.5	288	554	< 1.0		0.86		11.5	< 1.0		34.3		38.2	< 0.0050	0.035	< 0.0010	0.1	-	0.0041	1.37	1.42
EV_AQ6	EV_AQ6_WS_2022-09-10_N	2022-09-10	-	-	-	-		.33	299	519	< 1.0	346	1.11		6.1	< 1.0		34.4		38.3	< 0.0050	0.0447	< 0.0010	0.097	-	0.0035	1.74	1.24
EV_AQ6	EV_AQ6_WS_2022-Q4_N	2022-10-07	- [-	-	-		.55	294	548	< 1.0		1.05	_	14	< 1.0		32.8		35.4	< 0.0050	0.0114	< 0.0010	0.099	-	0.0054		1.86
EV_AQ6 EV AQ6	EV_MC6_WS_2022-Q4_N EV_MC8_WS_2022-Q4_N	2022-10-07 2022-10-07	-	-	-	-		.57 57	< 0.50	537 < 2.0	< 1.0 < 1.0	296 < 10	1.03 0.16		14.4 < 1.0	< 1.0 < 1.0	< 0.050	32.8		35.4	0.0198 < 0.0050	0.0099 < 0.0050	< 0.0010 < 0.0010	< 0.094	-	0.0062 < 0.0020	1.62 < 0.50	1.63 < 0.50
EV_AQ6	EV MC6 WS 2022-Q4 N EV AQ6 WS 2022-11 MON N	2022-10-07		-	-			.31	386	660	1.1		_		2.4	< 1.0	0.256	43.6			0.0052	0.0921	0.0010	0.071	-	0.0053	2.01	2.01
EV_AQ6	EV_MC6_WS_2022-11_MON_N	2022-11-09	-	-	-				386										0.201		< 0.0050	0.0904	< 0.0010	0.094	-			1.57
EV_AQ6	EV_MC8_WS_2022-11_MON_N	2022-11-09	-	-	-	-	- 5.	72	< 0.50	< 2.0	< 1.0	< 10	< 0.10	< 1.0	< 1.0	< 1.0	< 0.050	< 0.1	< 0.020	< 0.30		< 0.0050	< 0.0010	< 0.050		< 0.0020		
EV_BC1	EV_BC1_WS_2022-01-03_N-SRF	2022-01-03	-	-	-				1380	2150	2.4			405	< 1.0		< 0.250			957	0.94	29.6	0.18	< 0.050		0.0027		
EV_BC1 EV BC1	EV_BC1_WS_2022_Q1_N EV_BC1_WS_2022-01-18_N-SRF	2022-01-18 2022-01-18	-	-	-				1530 1550					383 378						1080 1100		33.7 33.9	0.173 0.194	< 0.050 0.565	-	0.0034		1.36
EV_BC1	EV_BC1_WS_2022-01-18_N-SRF EV_BC1_WS_2022-02-01_N-SRF	2022-01-18	-	-	-				1630	2360				378						1140		37.3	0.194	0.562	-	0.0044		
EV_BC1	EV_BC1_WS_2022-02_MON_N	2022-02-08	-	-	-				1310	2070	1.4			363						1030		20.9	0.0613	< 0.050		0.004		
EV_BC1	EV_BC1_WS_2022-02-15_N-SRF	2022-02-15	-	-	-		- 8	3.2	1360	1980	2.4	1310	0.61	406	< 1.0	< 1.0	0.25	13.7	0.203	944	0.0682	13.9	0.0314	0.233	-	0.0031	0.98	0.88
EV_BC1	EV_BC1_WS_2022-03-01_N-SRF	2022-03-01	-	-	-				1350	2010				365			0.332			990	0.127	18	0.041	0.475	-	0.0134		
EV_BC1	EV_BC1_WS_2022-03-15_N-SRF	2022-03-15	-	-	-	-	- 8	.01	1200	2020	14.5	1650	8.43	364	< 1.0	< 1.0	< 0.250	17	0.188	1030	0.167	19.4	0.054	0.505	-	0.0078	1.1	0.95

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	Paramet	ters			Р	hysical Pa	rameters	3				Disso	lved Inor	ganics					Nutrient	s				
Sample Location	Sample ID	Sample Date	റ Field Temperature	ph (field)	Dissolved Oxygen	Field	Field ORP	H.	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	T/Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ba P/ Ammonia Nitrogen	Nitrate Nitrogen	Mitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	U U	(yyyy-mm-dd)	-	ЕЕ	mg/L	μS/CIII	mv	Е	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/l
			,	Minimu	Acute			Minimu			Acute		Acute			,		Acute	Acute	Chronic	Acute	Acute	Acute			Chronic		
BC WQG FWAL Elkview Operation			n/a	6.5 9	1 5	n/a	n/a 6	6.5 9	n/a	n/a	25 5	n/a	8 2	n/a	n/a	n/a	n/a	600 150	0.4- ^a	128-429	0.681-28.7 ^b 0.102-2.08 ^b	32.8 3.7	0.06-0.60° 0.02-0.20°	n/a	n/a	0.015	n/a	n/a
EV BC1	EV BC1 WS 2022-03 MON N	2022-03-16	-	-	-	-	-	8.09	1320	2010	18.1	1660	12.2	364	< 1.0	< 1.0	< 0.250	21.7	0.193	920	0.173	16.7	0.041	0.513	-	0.0126	1.04	1.11
EV_BC1	EV_BC1_WS_2022-03-22_N-SRF	2022-03-22	-	-	-	-	-	8.27	1320	1900	2.9	1580	0.94	386	< 1.0	< 1.0	< 0.250	18.9	0.201		0.132	16.9	0.0496	< 0.050	-	0.0034	0.76	0.53
EV_BC1	EV_BC1_WS_2022-03_WEK13_N	2022-03-22	-	-	-	-	-	-	-	-	1.7	-	1.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_BC1 EV BC1	EV_BC1_WS_2022-03_WEK14_N EV_BC1_WS_2022-03-29_N-SRF	2022-03-29 2022-03-29	-	-	-	-	-	8.08	1240	1990	2.2 1.1	1630	0.52	371	< 1.0	< 1.0	< 0.250	16.7	0.174	892	0.0594	15.3	0.041	0.286	-	0.003	0.87	0.78
EV_BC1	EV_BC1_WS_2022-04-05_N-SRF	2022-04-05	-	-	_	-		8.09	1340	2010	1.8	1630	0.7	355	< 1.0	< 1.0	< 0.250	16.9		1020	0.068	19.4	0.0569	0.46	-	0.0036	1.2	1.14
EV_BC1	EV_BC1_WS_2022-04_WEK15_N	2022-04-05	-	-	-	-	-]	-	-	-	2	-	0.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_BC1 EV BC1	EV_BC1_WS_2022-Q2_N EV_BC1_WS_2022-04-12_N-SRF	2022-04-12 2022-04-12	-	-	-	-		8.06 8.11	1250 1260	1880 1990	2.5 1.4	1680 1720	0.89	387 376	< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250	16.2 16		1000 961	0.0402 0.0392	16.6 16.6	0.0401 0.0528	0.451	-	0.0024	1.05	0.91 1.02
EV BC1	EV BC1 WS 2022-04-19 N-SRF	2022-04-12	-	-	-	-		8.09	1190	1890	1.2	1700	0.56	390	< 1.0	< 1.0	< 0.250	14.6		927	0.0201	12	0.0375	< 0.050	-	0.0023	1.14	0.92
EV_BC1	EV_BC1_WS_2022-04_WEK17_N	2022-04-19	-	-	-	-	-	-	-	-	1.7	-	0.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-04-26_N-SRF	2022-04-26	-	-	-	-	-	8.25	1260	1910	1.3	1660	0.42	374	< 1.0	< 1.0	< 0.250	13.6		895	0.007	11.6	0.0232	< 0.050	-	0.0043	0.79	0.96
EV_BC1 EV BC1	EV_BC1_WS_2022-04_WEK18_N EV_BC1_WS_2022-05-03_N-SRF	2022-04-26 2022-05-03	-	-	-	-	-	8.27	1200	1880	8.2 5	1610	2.62	358	< 1.0	< 1.0	< 0.250	- 14.5	0 189	973	0.0079	10.8	0.0206	< 0.050	-	0.0028	1.03	0.92
EV_BC1	EV_BC1_WS_2022-05_MON_N	2022-05-03	-	-	-	-		8.34	1200	1890	4.9	1650	0.43		4	< 1.0	< 0.250	12.3	0.166		0.0096	9.77	0.0172	< 0.050	-	0.0029	0.94	0.99
EV_BC1	EV_BC1_WS_2022-05-10_N-SRF	2022-05-10	-	-	-	-	-	8.08	1180	1820	1.8	1550	0.44	342	< 1.0	< 1.0	0.323	18.3	0.194	948	0.0067	9.86	0.0237	< 0.050	-	0.0036	0.97	1
EV_BC1 EV BC1	EV_BC1_WS_2022-05_WEK20_N EV_BC1_WS_2022-05_WEK21_N	2022-05-11 2022-05-17	-	-	-	-	-	-	-	-	2.2	-	0.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV BC1 WS 2022-05-17 N-SRF	2022-05-17	-	-	-	-	-	8.14	1230	1890	1.4	1610	0.24	339	< 1.0	< 1.0	0.335	20.7	0.191	933	0.0111	11.7	0.0407	0.456	-	0.0022	1.19	1.23
EV_BC1	EV_BC1_WS_2022-05-24_N-SRF	2022-05-24	-	-	-	-		8.19	1220	2000	2.2	1570	0.52		< 1.0	< 1.0	< 0.250	23.9	0.164		0.0139	18	0.0876	0.143	-	0.004	1.19	1.02
EV_BC1	EV_BC1_WS_2022-05_WEK22_N	2022-05-24	-	-	-	-	-	-	-	-	< 1.0	-	0.29	-	-	-	-	-	-	-	=	-	=	-	-	-	-	-
EV_BC1 EV BC1	EV_BC1_WS_2022-05_WEK23_N EV_BC1_WS_2022-05-31_N-SRF	2022-05-31 2022-05-31		-	-	-	-	8.13	1220	2000	3.4 6.1	1610	0.34	340	< 1.0	< 1.0	< 0.250	19.7	- 0.167	913	0.0099	14.2	0.0425	< 0.050	-	0.0033	1.24	1.25
EV_BC1	EV BC1 WS 2022-06 MON N	2022-05-31	-	-	-	-		8.19	1300	1900	1.8	1610	0.81	452	< 1.0	< 1.0	0.417	15.8	0.107		0.142	7.26	0.0423	0.172	-	0.0093	0.56	< 0.5
EV_BC1	EV_BC1_WS_2022-06-07_N-SRF	2022-06-07	-	-	-	-		8.17	1260	1900	2.3	1640	1.08	459	< 1.0	< 1.0	0.316	14.9		831	0.151	6.62	0.0212	0.435	-	0.0035	0.82	0.87
EV_BC1	EV_BC1_WS_2022-06_WEK25_N	2022-06-13	-	-	-	-	-	-	-	-	3.4	-	1.64	-	-	-	-	-	-	-	-	-	-	- 0.447	-	-	-	-
EV_BC1 EV BC1	EV_BC1_WS_2022-06-14_N-SRF EV_BC1_WS_2022-06-21_N-SRF	2022-06-14 2022-06-21	-	-	-	-		8.03 7.98	1170 1200	1790 1810	9.6 2.9	1480 1680	6.94 0.98	387 397	< 1.0 < 1.0	< 1.0 < 1.0	0.39	19.4 16	0.201	866 870	0.144 0.0696	6.34 9.36	0.0232 0.0423	0.417	-	0.014	0.81 0.76	1.38 0.71
EV BC1	EV BC1 WS 2022-06 WEK26 N	2022-06-21	-	-	-	-	-	-	-	-	1.9	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-06-28_N-SRF	2022-06-28	-	-	-	-	-	8.11	1270	1850	2.2	1570		385	< 1.0	< 1.0	0.35	15.5	0.181	877	0.0512	7.52	0.0362	< 0.050	-	0.0051	0.91	0.91
EV_BC1 EV BC1	EV_BC1_WS_2022-06_WEK27_N EV_BC1_WS_2022_Q3_N	2022-06-28 2022-07-05	-	-	-	-	-	- 8.15	- 1180	1840	1.7 2.4	- 1640	0.52 1.88	- 425	- < 1.0	- < 1.0	0.332	18.8	- 0.107	- 852	0.122	8.48	0.053	0.96	-	0.0043	0.84	0.96
EV_BC1	EV BC1 WS 2022-07-05 N-SRF	2022-07-05	-	-	-+	-		8.07	1160	1810	4.1	1600	1.00	425	< 1.0	< 1.0	< 0.250	19.8	0.197		0.122	8	0.0633	< 0.050	-	0.0043	0.84	0.96
EV_BC1	EV_BC1_WS_2022-07-12_N-SRF	2022-07-12	-	-	-	-		8.21	1180	1770	3.1	1680	0.45	432	< 1.0	< 1.0	0.53	23.7	0.2		0.144	7.49	0.0657	0.164	-	0.0042	0.85	0.83
EV_BC1	EV_BC1_WS_2022-07_WEK29_N	2022-07-12	-	-	-	-	- [- 7 44	- 1150	- 1700	1.9	-	0.38	-	- 10	- 10	- 0.510	-	- 0.050	-	- 0.0100	-	- 0.0512	- 0.422	-	- 0.0124	- 1.05	- 0.70
EV_BC1 EV BC1	EV_BC1_WS_2022-07-19_N-SRF EV_BC1_WS_2022-08-02_N-SRF	2022-07-19 2022-08-02	-	-	-	-		7.41 8.16	1150 1130	1780 1790	2.4 1.2	1540 1490	0.38	453 383	< 1.0 < 1.0	< 1.0 < 1.0	0.512 0.312	20.6 19.6		816 863	0.0189 0.0107	6.95 7.84	0.0512 0.0247	0.122	-	0.0124	1.05 0.77	0.79
EV_BC1	EV_BC1_WS_2022-08_MON_N	2022-08-10	- 1	-	-	-		8.35	1280	2080	1.2	1620	0.35	330	4.8	< 1.0	0.375	19.6		929	0.0117	13.1	0.0361	0.346		0.0043		0.70
EV_BC1	EV_BC1_WS_2022-08-16_N-SRF	2022-08-16	-	-	-	-		8.23	1240	1870	1.4	1510	0.24	371	< 1.0	< 1.0	0.307	20.4	0.234		0.0075	10.6	0.0188	0.342	-	0.0034	< 0.50	< 0.5
EV_BC1	EV_BC1_WS_2022-08-30_N-SRF	2022-08-30	-	-	-	-		8.09	1150	1810	< 1.0		0.28		< 1.0	< 1.0	0.574	21.8 22.3		873	0.0057	7.67	0.0121	0.483	-	0.0045		
EV_BC1 EV BC1	EV_BC1_WS_2022-09_MON_N EV BC1 WS SEPT-2022 N	2022-09-06 2022-09-09	-	-	-	-		8.26 8.17	1260 1260	1780							0.365			891 881	0.0097 < 0.0050	7.33 7.34	0.0138 0.0056	0.472	-		0.84 1.01	
EV_BC1	EV_BC1_WS_2022-09-13_N-SRF	2022-09-13	-	-	-	-	-	8.32	1090	1780	1.1	1540	0.24	353	6.6	< 1.0	0.41	21.4	0.19	879	0.0093	7.7	0.006	0.435	-	0.0049	< 0.50	< 0.5
EV_BC1	EV_BC1_WS_2022-09-27_N-SRF	2022-09-27	-	-	-	-		8.13	1300	1850	2			330	< 1.0			58.1		859	0.0125	7.39	0.0094	0.072	-	0.0039		
EV_BC1 EV BC1	EV_BC1_WS_2022-10-04_N-SRF EV_BC1_WS_2022-Q4_N	2022-10-04 2022-10-06	-	-	-	-		8.23 8.2	1310 1310	1840 1820	< 1.0			400 423		< 1.0 < 1.0				927 901	0.0811 0.0495	10.8 10.4	0.0279 0.0242	0.886 < 0.050	-	0.0034		
EV_BC1	EV BC1 WS 2022-10-06 N-SRF	2022-10-06	-	-	-	-	-	-	-	-	- 1.0	-	-	-	- 1.0	- 1.0	-	-	-	-	-	15	-	- 0.030	-	- 0.003	- 0.50	- 0.5
EV_BC1	EV_BC1_WS_2022-10-18_N-SRF	2022-10-18	-	-	-	-		8.13	1240	1820	1.7	1600	0.12	371			0.481	27	0.237	909	0.0079	11	0.0266	0.627	-	0.0031		0.77
EV_BC1	EV_BC1_WS_2022-11-01_N-SRF	2022-11-01	-	-	-	-		8.3	1250	1820				317			0.428	26.7		939	0.0052	15	0.0156	0.153	-	0.0027		
FV B('1	EV_BC1_WS_2022-11_MON_N	2022-11-14	-	-	-	-		8.2 8.27	1440 1450	2200 2190		1940			< 1.0		0.461 0.461	33.6 32		1060 1060	0.166 0.147	21.6 20.4	0.053 0.0445	0.543 < 0.500	-	0.0053	1.06 0.99	
EV_BC1 EV BC1	EV BC1 WS 2022-11-15 N SRF	2022-11-15	- 1																									

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	l Param	eters			Phy	ysical Pa	rameters					Diss	olved Inc	rganics					Nutrient	s				
																		Ĭ										Ē
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	ANO DIBLA		Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	рН	mg/L	μS/cm r	nV p	H n	ng/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/l	. mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a	Minimum 2.9 Maximum	1 Acute 5 Chronic	n/a r	EnmuiuiW n/a 6.5	ω Maximum	n/a	n/a	S Acute o Chronic	n/a	% Acute	n/a	n/a	n/a	n/a	4 Acute	9 on the second of the second	20 20 20 20 20 20 20 20 20 20 20 20 20 2	O.681-28.7 ^b 0.102-2.08	Ohronic Acute	O.06-0.60° 0.02-0.20°	n/a	n/a	0.015	n/a	n/a
Elkview Operation	T =	T						n= 1 .			0.0		1 : 0 10					0.55			1 0 0050							
EV_EC1	EV_EC1_WS_2022-Q1_N	2022-01-17	-	-	-	-			1220	1900	2.3	1670 1650	< 0.10		< 1.0					850	< 0.0050 < 0.0050	5.02 5.36	< 0.0050 < 0.0050	0.373	-	0.0031	0.98	1.05
EV_EC1 EV EC1	EV_EC1_WS_2022-01-17_N-SRF EV_EC1_WS_2022-01-31_N-SRF	2022-01-17 2022-01-28	-	-	-		- 8.		1200 1200	1870 1860	1.2	1560	< 0.10		6.1 9.1	< 1.0 < 1.0				868 827	< 0.0050	4.1	< 0.0050	0.356	-	0.0039 0.0041	0.77 1.41	0.71 1.08
EV_EC1	EV_EC1_WS_2022-01-01_N-GRI	2022-01-20	- 1	-	-		- 8.		1200	1860	1.5	1680	< 0.10		13.8	< 1.0					< 0.0050	6.03	0.0795	0.334	-	0.0038	0.58	0.58
EV_EC1	EV_EC1_WS_2022-02_MON_N	2022-02-16	-	-	-	-	- 8.	32 1	1240	1860	2.2	1780	< 0.10	_	5.3	< 1.0	< 0.250	7.22	0.142	836	< 0.0050	8.34	< 0.0050	0.34	-	0.0037	0.62	0.61
EV_EC1	EV_EC1_WS_2022-02-28_N-SRF	2022-02-28	-		-	-			1330	1880	3	1700	< 0.10		2.8	< 1.0		7.29			< 0.0050	4.44	< 0.0050	0.3	-	0.003	0.54	0.56
EV_EC1	EV_EC1_WS_2022-03-14_N-SRF	2022-03-14	-	-	-	-	- 8.		1130	1840	1.6	1680	0.14		< 1.0	< 1.0				900	< 0.0050	7.83	< 0.0050	0.399	-	0.0022	0.8	0.63
EV_EC1	EV_EC1_WS_2022-03_MON_N	2022-03-17	-	-	-	-	- 8.		1260	1860	< 1.0	1640	< 0.10		< 1.0	< 1.0					< 0.0050	4.25	< 0.0050	0.363	-	0.002	0.87	0.84
EV_EC1 EV EC1	EV_EC1_WS_2022-03-21_N_SRF EV_EC1_WS_2022-03_WEK13_N	2022-03-21 2022-03-22	-	-	-	-	- 8.		1230	1860	1.9 < 1.0	1650	< 0.10		< 1.0	< 1.0	0.305	7.83	0.197	821	< 0.0050	3.25	< 0.0050	0.176	-	0.0027	0.8	0.81
EV_EC1	EV_EC1_WS_2022-03_WER13_N EV_EC1_WS_2022-03-28_N-SRF	2022-03-28		-	-		- 8		1210	1860	< 1.0		< 0.10		< 1.0	< 1.0	_		_	771	< 0.0050	16.5	< 0.0050	0.392	-	< 0.0020		0.86
EV EC1	EV EC1 WS 2022-03-28 N-SRF 1	2022-03-28		-	-		- 8.		1460	1880	2.2	1480	_		< 1.0		_				< 0.0050	16.9	< 0.0050	-	-	0.0020	-	-
EV EC1	EV EC1 WS 2022-03-26 N-GRI _1	2022-03-20	-	-	-	-	- 0.		-	-	< 1.0	-	< 0.10		- 1.0	- 1.0	- 0.230	-		-	- 0.0000	-	- 0.0000	-	-		-	-
EV EC1	EV EC1 WS 2022-04-04 N-SRF	2022-04-04	- 1	-	-	-	- 8.	14 1	1230	1830	< 1.0	1520	< 0.10		< 1.0	< 1.0	< 0.250	6.62	< 0.100	772	< 0.0050	7.38	< 0.0050	0.188	-	0.0039	0.8	0.89
EV_EC1	EV_EC1_WS_2022-04_WEK15_N	2022-04-06	-	-	-	-	-		-	-	2.7	-	< 0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-10_N-SRF	2022-04-10	-	-	-	-	- 8.	25 1	1240	1820	2.5	1570	< 0.10	452	< 1.0	< 1.0	< 0.250	5.92	0.127	817	< 0.0050	16.5	< 0.0050	-	-	0.0024	-	-
EV_EC1	EV_EC1_WS_2022-04-11_N-SRF	2022-04-11	-	-	-	-	- 8.		1290	1770	1.8	1550	< 0.10		< 1.0	< 1.0	< 0.250		_	791	< 0.0050	16.2	< 0.0050	< 0.050	-	0.002	1.12	0.99
EV_EC1	EV_EC1_WS_2022-04-11_N-SRF_1	2022-04-11	-	-	-	-			1260	1870	1.2		_		< 1.0					830	< 0.0050	16.5	< 0.0050	-	-	< 0.0020	1	-
EV_EC1	EV_EC1_WS_2022-04-12_N-SRF	2022-04-12	-	-	-	-	- 8.		1120	1830	< 1.0	1650	< 0.10		< 1.0	< 1.0	< 0.250			824	< 0.0050	17.5	< 0.0050	-	-	0.002	-	-
EV_EC1	EV_EC1_WS_2022-04-13_N-SRF	2022-04-13	-	-	-	-	- 8		1260	1800	1.8	1580			< 1.0					775	< 0.0050 < 0.0050	16.5	< 0.0050	- 0.202	-	0.0021	1.00	- 0.06
EV_EC1 EV EC1	EV_EC1_WS_2022-Q2_N EV_MC6_WS_2022-Q2_N	2022-04-13 2022-04-13		-	-	-	- 8. - 8.		1170 1100	1820 1840	< 1.0 1.2	1610 1530	< 0.10		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250			780 788	< 0.0050	16.3 16.5	< 0.0050 < 0.0050	0.393	-	0.0031 0.0026	1.08	0.96 1.02
EV_EC1	EV_MC6_W3_2022-Q2_N EV_MC8_WS_2022-Q2_N	2022-04-13			-	-	- 5.		0.50	< 2.0	< 1.0	< 10	< 0.10		< 1.0	< 1.0	< 0.250			0 < 0.30	< 0.0050	< 0.0050	< 0.0030	< 0.050	-	< 0.0020		< 0.50
EV EC1	EV_WGG_VVG_2022-Q2_IV EV EC1 WS 2022-04-14 N-SRF	2022-04-13	-	-	-	-			1170	1860	1.4	1490	< 0.10		< 1.0	< 1.0			_		< 0.0050	15.7	< 0.0010	-	-	0.003	- 0.00	
EV EC1	EV EC1 WS 2022-04-15 N-SRF	2022-04-15	- 1	-	-	- 1	- 8		1240	1870	4	1570	< 0.10		< 1.0	< 1.0	< 0.250			775	< 0.0050	16.1	< 0.0050	-	-	0.0032	-	-
EV EC1	EV EC1 WS 2022-04-16 N-SRF	2022-04-16	-	-	-	-	- 8.		1280	1840	2.6	1600	< 0.10		< 1.0						< 0.0050	17.1	< 0.0050	-	-	0.0023	-	-
EV_EC1	EV_EC1_WS_2022-04-17_N-SRF	2022-04-17	-	-	-	-	- 8.	21 1	1230	1830	1.4	1590	< 0.10	480	< 1.0	< 1.0	< 0.250	6.38	0.108	819	< 0.0050	16.7	< 0.0050	-	-	0.0023	-	-
EV_EC1	EV_EC1_WS_2022-04-18_N-SRF	2022-04-18	-	-	-	-	- 8.	13 1	1120	1840	1.4	1550	< 0.10	481	< 1.0	< 1.0	< 0.250	6.72	0.107	833	< 0.0050	17.2	0.0053	< 0.050	-	0.0047	0.89	0.63
EV_EC1	EV_EC1_WS_2022-04-18_N-SRF_1	2022-04-18	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-19_N-SRF	2022-04-19	-	-	-	-	- 8.		1210	1850	< 1.0	1520	< 0.10		< 1.0	< 1.0				762	< 0.0050	16.7	< 0.0050	-	-	0.0025	-	-
EV_EC1	EV_EC1_WS_2022-04-20_N-SRF	2022-04-20		-	- -	-	- 8.		1240	1840	1.5	1580	< 0.10	448	< 1.0	< 1.0	< 0.250		< 0.100	762	< 0.0050	17.3	< 0.0050	-	-	0.002	-	
EV_EC1 EV EC1	EV_EC1_WS_2022-04_WEK17_N EV_EC1_WS_2022-04-21_N-SRF	2022-04-20 2022-04-21	 		-	 	- 8.		1240	1850	< 1.0	1580	< 0.10	452	< 1.0	< 1.0	< 0.250	5.33	< 0.100	781	< 0.0050	17.7	< 0.0050	-	-	0.0024	-	-
EV_EC1	EV_EC1_W3_2022-04-21_N-SRF EV_EC1_WS_2022-04-22_N-SRF	2022-04-21	-	-	-	-	- 8.		1260	1830	< 1.0	1580	< 0.10		< 1.0	_				777	< 0.0050	17.3	< 0.0050	-	-	< 0.0024		 -
EV_EC1	EV EC1 WS 2022-04-23 N-SRF	2022-04-23	- 1	-	-	-	- 8		1300	1840	1.5	1510	0.11		2.4	< 1.0				758	0.0619	16.4	< 0.0050	-	-	0.0029	-	-
EV_EC1	EV_EC1_WS_2022-04-24_N-SRF	2022-04-24	-	-	-	-	- 8.		1240	1820	< 1.4	1530	< 0.10	_	4.9	< 1.0			_	809	< 0.0050	16.9	< 0.0050	-	-	0.0027	-	-
EV_EC1	EV_EC1_WS_2022-04-25_N-SRF	2022-04-25	-	-	-	-	- 8.	28 1	1180	1750	< 1.0	1600	< 0.10	452	< 1.0	< 1.0	< 0.250	5.89	< 0.100	758	< 0.0050	16.2	< 0.0050	< 0.050	-	0.0054	1.2	1.05
EV_EC1	EV_EC1_WS_2022-04-25_N-SRF_1	2022-04-25	-	-	-	-	-		-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-26_N-SRF	2022-04-26	-	-	-	-	- 8.		1170	1800	1.4	1520			< 1.0					741	< 0.0050	15.1	< 0.0050	-	-	0.0025	-	-
EV_EC1	EV_EC1_WS_2022-04-27_N-SRF	2022-04-27	-	-	-	-	- 8		1180	1810	1.6		0.17		2	< 1.0		5.88	< 0.100		< 0.0050	16.8	< 0.0050	-	-	0.0024	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-04_WEK18_N EV_EC1_WS_2022-04-28_N-SRF	2022-04-27 2022-04-28	-	-	-	-	- 8		1190	1780	3.1		0.26	453	- < 1.0		< 0.250	6.39	< 0.100	792	< 0.0050	15.9	< 0.0050	-	-	0.0027	-	-
EV_EC1	EV_EC1_W3_2022-04-28_N-SRF EV_EC1_WS_2022-04-29_N-SRF	2022-04-29	- 1	-	-					1810	1.9			439	< 1.0		< 0.250			655	< 0.0050	15.1	< 0.0050	-	-	0.0027		+ -
EV_EC1	EV EC1 WS 2022-04-29 N-SRF	2022-04-29	-	-	-					1780	1.1			439						815	< 0.0050	16.4	< 0.0050	-	-	0.003		 -
EV EC1	EV EC1 WS 2022-05-01 N-SRF	2022-05-01		-	-					1790				455						815	< 0.0050	16.5	< 0.0050	-	-	0.0025		-
EV_EC1	EV_EC1_WS_2022-05-02_N-SRF	2022-05-02	-	-	-	-				1810	1.7			439	< 1.0		< 0.250			801	0.0083	16.5	< 0.0050	0.06	-	< 0.0020		0.85
EV_EC1	EV_EC1_WS_2022-05-02_N-SRF_1	2022-05-02	-	-	-	-	-		-	-	-	-	-		-	-	-	-			-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-03_N-SRF	2022-05-03	-	-	-				1160	1810				430	< 1.0					821	< 0.0050	16.5	< 0.0050	-	-	0.0022	-	-
EV_EC1	EV_EC1_WS_2022-05-04_N-SRF	2022-05-04	-	-	-				1180	1810	2.8			443	< 1.0		< 0.250			772	< 0.0050	16.6	< 0.0050	-	-	0.003	-	-
EV_EC1	EV_EC1_WS_2022-05-MON_N	2022-05-04	-	-	-	-	- 8.	04 1	1120	1800	4.2	1570	< 0.10	455	< 1.0	< 1.0	< 0.250	5.53	< 0.100	796	0.0053	15.8	< 0.0050	0.413	-	0.0026	1.05	1.03

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	l Param	eters			Physical P	arameters	s		1		Diss	olved Ino	ganics					Nutrient	s				
																									T		Ĕ
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Hd	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	рН	mg/L	μS/cm m	/ pH	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a	Winimum 2:9 Maximum	1 Acute 5 Chronic	n/a n/:	unuiuiW W N	n/a	n/a	52 Acute Chronic	n/a	% Acute	n/a	n/a	n/a	n/a	Acute Chronic	9 4-a	20 Chronic 128-429	O.681-28.7 ^b 0.102-2.08	Chronic Acute	O.06-0.60° 0.02-0.20°	n/a	n/a	0.015	n/a	n/a
Elkview Operation							1 0 40	1	.=	1.0		1 . 0 . 10					0.00				1 40	. 0.0050					
EV_EC1 EV EC1	EV_EC1_WS_2022-05-05_N-SRF EV_EC1_WS_2022-05-05_N	2022-05-05 2022-05-05	-		-		8.12 8.11	1190 1160	1760 1800	1.8	1510	< 0.10		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250			778 797	< 0.0050 < 0.0050	16 17.6	< 0.0050 < 0.0050	< 0.050	-	< 0.0020 0.003	0.96	0.78
EV_EC1	EV_EC1_WS_2022-05-05_N EV_EC1_WS_2022-05-06_N-SRF	2022-05-06			-		8.17	1120	1770	< 1.0		0.43		< 1.0	< 1.0			0.108		< 0.0050	16	0.005	< 0.050	-	0.003	0.96	0.78
EV_EC1	EV_EC1_WS_2022-05-06_N	2022-05-06	 - 	_	-		8.26	1130	1780	< 1.0	1440	< 0.10		< 1.0	< 1.0	< 0.250	5.33	< 0.100		< 0.0050	15.5	< 0.0050	< 0.050	-	0.003	1.08	1.06
EV_EC1	EV_EC1_WS_2022-05-07_N-SRF	2022-05-07	-	-	-		8.19	1190	1780	3	1620	0.1	441	< 1.0	< 1.0	< 0.250	5.68	< 0.100	759	< 0.0050	16.3	< 0.0050	-		0.0025	-	-
EV_EC1	EV_EC1_WS_2022-05-07_N	2022-05-07	-	-	-		8.16	1160	1750	3.7	1490	< 0.10		< 1.0	< 1.0	< 0.250			802	0.0057	16.5	< 0.0050	< 0.050	-	0.0032	0.99	0.9
EV_EC1	EV_EC1_WS_2022-05-08_N-SRF	2022-05-08	-	-	-		8.22	1170		3.7	1620	0.13		< 1.0	< 1.0	< 0.250	5.5		757	< 0.0050	16.2	< 0.0050	-	-	0.0028	-	-
EV_EC1	EV_EC1_WS_2022-05-08_N EV_EC1_WS_2022-05-09_N	2022-05-08	-	-	-		8.24	1150	1770	4.5 2.7	1570	0.49		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250	5.84 5.71	< 0.100		< 0.0050 < 0.0050	16.2	< 0.0050 < 0.0050	< 0.050	-	0.0022	1.06	0.95
EV_EC1 EV EC1	EV_EC1_WS_2022-05-09_N EV_EC1_WS_2022-05-09_N-SRF	2022-05-09 2022-05-09		-	-		8.27 8.14	1110 1180	1760 1770	< 1.0	1570 1560	0.11	407 404	< 1.0		< 0.250 < 0.250			785 762	< 0.0050	16.4 15.2	< 0.0050	< 0.050 < 0.050	-	0.0023 < 0.0020	0.92	0.87
EV EC1	EV EC1 WS 2022-05-10 N-SRF	2022-05-10	+ - +		-		8.21	1150	1800	2.5	1390	0.10	460	< 1.0			6.32		794	< 0.0050	16.9	< 0.0050	- 0.030	-	< 0.0020	0.90	- 0.03
EV EC1	EV EC1 WS 2022-05 WEK20 N	2022-05-10	-	-	-		8.25		1780	1.4	1600	0.18		< 1.0		< 0.250			738	< 0.0050	15.8	< 0.0050	0.287	-	0.0020	1.09	0.83
EV EC1	EV EC1 WS 2022-05-11 N-SRF	2022-05-11	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.6	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-12_N-SRF	2022-05-12	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.5	-	-		-	-	-
EV_EC1	EV_EC1_WS_2022-05-13_N-SRF	2022-05-13	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.5	-	-		-	-	-
EV_EC1	EV_EC1_WS_2022-05-14_N-SRF	2022-05-14	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.8	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-15_N-SRF	2022-05-15	-	-	-		- 7.00	-	- 4700	-	- 4450	-	-	-		-	-		-		17	-	-	-	- 0.0007	-	- 110
EV_EC1	EV_EC1_WS_2022-05-16_N-SRF	2022-05-16	-	-	-		7.98	1200	1780	1.4	1450	0.62	437	< 1.0		< 0.250	6.1	< 0.100	821	< 0.0050	17.2	< 0.0050	0.313	-	0.0027	_	
EV_EC1 EV EC1	EV_EC1_WS_2022-05-16_N-SRF_1 EV_EC1_WS_2022-05-17_N-SRF	2022-05-16 2022-05-17			-		_	+	+ -	+ -	+ -	-	+ -	-	-	<u> </u>	-	+ -	 -	-	16.3	-	-	-	+-	-	-
EV EC1	EV EC1 WS 2022-05-17 N-SRF	2022-05-17	+ -		-		-	+ -	+ -	+		-	+ -	-	+ -	-	-	-	-	-	17.1	-	-		+ -	+ -	+ :
EV EC1	EV EC1 WS 2022-05 WEK21 N	2022-05-18	- 1	-	-		-	-	-	1.2	-	0.41	-	-	-	-	-	-	-	_	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-05-19 N-SRF	2022-05-19	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.2	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-20_N-SRF	2022-05-20	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.4	-	-		-	-	-
EV_EC1	EV_EC1_WS_2022-02-21_N-SRF	2022-05-21	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.1	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-22_N-SRF	2022-05-22	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.8	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-23_N-SRF	2022-05-23	-	-	-		8.08	1180	1800	< 1.0	1540	0.1		< 1.0	< 1.0	< 0.250	5.89		787	< 0.0050	15.9	< 0.0050	0.445	-	0.0036	0.57	0.8
EV_EC1 EV EC1	EV_EC1_WS_2022-05-24_N-SRF	2022-05-24 2022-05-25	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.8 16.7	-	-	-	-	-	-
EV_ECT EV ECT	EV_EC1_WS_2022-05-25_N-SRF EV_EC1_WS_2022-05_WEK22_N	2022-05-25			-		-	+ -	-	1.8	-	0.14	-	-	+ -	-	-	-	-	-	- 10.7	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-05-26 N-SRF	2022-05-26	 		-		-	+ -	+ -	-		-	+ -	-	+ -	-	-	-	-	-	15.8	-	-	-	-	-	+-
EV EC1	EV EC1 WS 2022-05-27 N-SRF	2022-05-27	1 - 1	-	-	 - -	-	 -	<u> </u>	-	-	-	† -	-	+ -	-	-	-	-	-	16.4	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-28_N-SRF	2022-05-28	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.4	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-29_N-SRF	2022-05-29	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.4	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-30_N-SRF	2022-05-30	-	-	-		8.12	1200	1830	1.8	1480	_	436	< 1.0	< 1.0	< 0.250	5.5	_	800	< 0.0050	16.3	< 0.0050	< 0.050	-	0.0028	0.98	0.9
EV_EC1	EV_EC1_WS_2022-05-30_N-SRF_1	2022-05-30	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-05-31_N-SRF EV_EC1_WS_2022-05_WEK23_N	2022-05-31	-	-	-		-	-	-	1.0	-	- 0.10	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-05 WER23 N EV EC1 WS 2022-06-01 N-SRF	2022-05-31 2022-06-01	-		-		_	-	-	1.8	-	< 0.10	-	-	-	-	-	+ -	-	-	16.8	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-06-02 N-SRF	2022-06-02	+ -		-				1820	1.8	1520		438	< 1.0		< 0.250		< 0.100		< 0.0050	17.2	< 0.0050	< 0.050		0.0042		0.59
EV EC1	EV EC1 WS 2022-06-03 N-SRF	2022-06-02	1 - 1	-	-		_	-	-	-	-	-	-	- 1.0	- 1.0		-		-	-	17.4	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-04_N-SRF	2022-06-04	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.2	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-05_N-SRF	2022-06-05	- 1	-	-			-	-	-	-	-	-	-	-	-	-	-		-	16.8	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06_MON_N	2022-06-06	-	-	-								442			< 0.250			839	< 0.0050	17.1	< 0.0050	1.45	-		< 0.50	
EV_EC1	EV_EC1_WS_2022-06-06_N-SRF	2022-06-06	-	-	-			_					440	< 1.0		< 0.250			776	0.0062	17.3	< 0.0050	0.506	-	0.0133		_
EV_EC1	EV_EC1_WS_2022-06-07_N-SRF	2022-06-07	-	-	-		_	-	-	-	-	-		-	-	-	-	-		-	17.1	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-06-08_N-SRF EV_EC1_WS_2022-06-09_N	2022-06-08	-	-	-			1180	1850	- 3 1	1540	- 0.1	- 461	< 1.0	- 10	< 0.050	5.6	0.081	745	< 0.0050	16.8	0.0012	< 0.050	-	0.004	- 0.82	- 0.87
EV_EC1	EV_EC1_WS_2022-06-09_N EV_EC1_WS_2022-06-09_N-SRF	2022-06-09 2022-06-09	-	-	-		0	1180	1850	3.1	1540	- 0.1	461	< 1.0	< 1.0	< 0.050	5.6	0.081	715	< 0.0050	16.1 16.3	0.0012	< 0.050	-	0.004	0.82	0.87
EV_EC1	EV EC1 WS 2022-06-09 N-SRF EV EC1 WS 2022-06-10 N-SRF	2022-06-09	- 1	-	-		_	+ -	-	-	-	+ -		-	+ -	-	-	-	-	-	16.6	-	-	-	 -	-	+ -
LV_LUI	LV_LUI_VV3_2022-00-10_IV-3RF	2022-00-10																			10.0			•			

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

Sample S	n/a 0.015 0 - 0.0039 0 - 0.0148 0 - 0.0042 0.0106 0 - 0.0066 0.0062 0.0082	039 0.73 148 0.85 0042 < 0.50 0055 0.83 106 2.75 0066 1.53 0082 1.32 	73 85 - 0.50 - 83 - 3.32 - 3.32 - 3.32
Semple S	n/a 0.015 0 - 0.0039 0 - 0.0148 0 0 - 0.0055 0 - 0.0166 0.0066 0.0082 0.0082 0.0077	Section Sect	73 85 - 0.50 - 83 - 75 53 - 32 - 32 - 9
BCWGG PWAL	n/a 0.015 0 - 0.0039 0 - 0.0148 0 0 - 0.0055 0 - 0.0166 0.0066 0.0082 0.0082 0.0077	039 0.73 148 0.85 0042 < 0.50 0055 0.83 106 2.75 0066 1.53 0082 1.32 	73 85 - 0.50 - 83 7.75 - 33 - 32
Elview Operation	0 - 0.0039 0 - 0.0148 0.0042 0.0055 0 - 0.0106 0 - 0.0066 0.0082 0.0082 0.0077	039 0.73 148 0.85 	.73
Elview Operation	0 - 0.0039 0 - 0.0148 0.0042 0.0055 0 - 0.0106 0 - 0.0066 0.0082 0.0082 0.0077	039 0.73 148 0.85 	.73
EV.ECI	0 - 0.0148 - 0 - 0.0042 - 0 - 0.0055 0 - 0.0106 0 - 0.0066 - 0 - 0.0082 - 0 - 0.0077	148 0.85 0042 < 0.50 0055 0.83 106 2.75 066 1.53 082 1.32	.85 - 0.50 - .83 .75 .53 - .32
EV ECI BY ECI WS 2022-06-11 N . 2022-06-11	0 - 0.0148 - 0 - 0.0042 - 0 - 0.0055 0 - 0.0106 0 - 0.0066 - 0 - 0.0082 - 0 - 0.0077	148 0.85 0042 < 0.50 0055 0.83 106 2.75 066 1.53 082 1.32	.85 - 0.50 - .83 .75 .53 - .32
EV ECI EV ECI WS 2022-06-12 N-SRF 1 2022-06-12	0.0042 - 0.0055 0 - 0.0106 0 - 0.0066 0.0082 0.0077	042 < 0.50 -	0.50 - .83 .75 .53 - .32
EV ECI	0.0055 0 - 0.0106 0 - 0.0066 0.0082 0.0077		- .83 .75 .53 - .32
EV ECI	- 0.0055 0 - 0.0106 0 - 0.0066 0.0082 	055 0.83 106 2.75 066 1.53 082 1.32 	.83 .75 .53 - .32
EV. ECT	0.0066 0.0082 	066 1.53 082 1.32 	.53 - .32 -
EV ECT EV ECT WS 2022-06 WEKZS N 2022-06-16	0.0082 		.32
EV ECT	0 - 0.0082 0 - 0.0077	082 1.32 	.32
EV ECT EV ECT WS 2022-06-17 N-SRF 2022-06-18 N-SRF 2022-06-18 N-SRF 2022-06-18 N-SRF 2022-06-19 N-SRF 2022-06-20 N-SRF 2022-06-2	 0 - 0.0077	 	-
EV EC1	 0 - 0.0077		_
EV EC1	0.0077		
EV EC1		077 1 1.17	
EV_ECT			
EV EC1			
EV EC1			-
EV_EC1			
EV_EC1			
EV_EC1			-
EV_EC1 EV_EC1_WS_2022-06-29 N-SRF 2022-06-29 -	- 0.0061	061 1.06	.06
EV_EC1			
EV_EC1 EV_EC1_WS_2022-06-30_N-SRF 2022-06-30		-	
EV_EC1			
			-
EV ECI	- 0.0059		
EV EC1			
EV_EC1			
EV_EC1			
EV_EC1	- < 0.0020		
EV_EC1			-
EV_EC1			-
EV_EC1			
EV_EC1	- 0.0052		
EV_EC1			-
EV_EC1			-
EV_EC1			
EV_EC1			
EV EC1			
EV_EC1			
EV_EC1	0.007		
EV_EC1			
EV ECT EV ECT WS 2022-07-20 N-SRF 2022-07-21			
EV EC1			-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	l Parame	eters			-	Physical P	arameters					Disso	lved Inor	ganics					Nutrient	s				$\overline{}$
				1 1010		1				liyoloui i	l	ĺ				1	l litea iiioi	guines					- rution	Ĭ				Ē
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Field ORP	Нq	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pН	mg/L	μS/cm	mV	pН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a	Winimum 9:9	L Acute	n/a	n/a	Winimum 29 Maximum	n/a	n/a	S Acute c Chronic	n/a	α Acute Chronic	n/a	n/a	n/a	n/a	Acute Chronic	a Acute	2 0 128-429 ^a (9 0.681-28.7 ^b 0.102-2.08	Acute Optionic 32.8 3.7	O.00-0.60° 0.02-0.20°	n/a	n/a	о С Р 20.015	n/a	n/a
Elkview Operation	EV EC4 MC 2022 07 22 N CDE	2022-07-23	1		-			_	1	1	1	1	1	1		_	1	-	1			15.3		1	1	1	1	$\overline{}$
EV_EC1 EV EC1	EV_EC1_WS_2022-07-23_N-SRF EV_EC1_WS_2022-07-24_N-SRF	2022-07-23	+-	-	-	-	-	-	-	-	-	-	-		-	+-	-	-	-	-	-	15.3	-	-	-	+ -	-	-
EV EC1	EV EC1 WS 2022-07-24 N-SRF	2022-07-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.4	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-26_N-SRF	2022-07-26	-	-		-						-		<u> </u>	-	<u>L</u> -	-	-	-	-	-	15	-	-	-		-	-
EV_EC1	EV_EC1_WS_ 2022-07-27_N-SRF	2022-07-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.6	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-28_N-SRF	2022-07-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.5	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-29_N-SRF	2022-07-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.2 15.1	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-07-30_N-SRF EV_EC1_WS_2022-07-31_N-SRF	2022-07-30 2022-07-31	+-	-	-	-	-		-	-	+ -	-	+-	-	-	+-	-	-	-	-	-	15.1	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-07-31_N-SRF	2022-07-31	+ -	-	-	-	-	8.17	1080	1650	< 1.0		< 0.10	466	< 1.0		< 0.250		0.102		< 0.0050	15.1	< 0.0050	0.42	-	0.005	< 0.50	
EV EC1	EV EC1 WS 2022-08-02 N-SRF	2022-08-02	+	-	-	-	-	-	-	-	- 1.0	-	- 0.10	-	- 1.0	- 1.0	- 0.200	-	-	-	- 0.0000	15.7	- 0.0000	-	-	-	- 0.50	- 0.50
EV EC1	EV EC1 WS 2022-08-03 N-SRF	2022-08-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.8	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-08-04 N-SRF	2022-08-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-05_N-SRF	2022-08-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.6	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-06_N-SRF	2022-08-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.2	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-07_N-SRF	2022-08-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.2	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-08_N-SRF	2022-08-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.9	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08_MON_N	2022-08-09	-	-	-	-	-	8.27	1040	1640	2			402	< 1.0		< 0.250	4.81			< 0.0050	14.8	< 0.0050	< 0.050	-	0.0033		0.64
EV_EC1	EV_EC1_WS_ 2022-08-09_N-SRF	2022-08-09	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	15.2 15.8	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-08-10_N-SRF EV_EC1_WS_2022-08-11_N-SRF	2022-08-10 2022-08-11	+	-	-	-	-		-	-	+ -	-	+ -	+ -	-	-	-	-	-	-	-	17	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-08-11 N-SRF	2022-08-11	+ -	-	-	-	-				+ -	-	+ -	+ -		+ -	-	-		-	-	15.1	-	-	-	 -	+ -	+ -
EV EC1	EV EC1 WS 2022-08-13 N-SRF	2022-08-13	-	-	-	-	-	_	_	_	-	-	-	_	_	-	-	-	-	-	-	15.1	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-08-14 N-SRF	2022-08-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.3	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-08-15 N-SRF	2022-08-15	-	-	-	-	-	8.16	1100	1690	< 1.0	1430	< 0.10	469	< 1.0	< 1.0	< 0.250	4.82	< 0.100	747	< 0.0050	14.8	< 0.0050	< 0.050	-	0.0041	< 0.50	< 0.50
EV_EC1	EV_EC1_WS_2022-08-16_N-SRF	2022-08-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.2	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-08-17_N-SRF	2022-08-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.6	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-18_N-SRF	2022-08-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.1	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-19_N_SRF	2022-08-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.5	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-20_N-SRF	2022-08-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.6 15	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-08-21_N-SRF EV_EC1_WS_2022-08-22_N-SRF	2022-08-21 2022-08-22	-	-	-	-	-	-	-	-	-	-	-	+ -	-	-	-	-	-	-		15.4	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-08-23 N-SRF	2022-08-23	+-	-	-	-	-		-	-	+ -	-	+ -	-	-	+ -	-	-	 -	-	-	15.2	-	-	-	 	+ -	-
EV_EG1	EV EC1 WS 2022-08-24 N-SRF	2022-08-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.5	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-25_N-SRF	2022-08-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.2	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-26_N-SRF	2022-08-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.4	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-27_N-SRF	2022-08-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.1	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-28_N-SRF	2022-08-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.8	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-29_N-SRF	2022-08-29	-	-	-	-	-	8.18	1240	1700	1.8		_	442	< 1.0	< 1.0	< 0.250				< 0.0050	15.1	< 0.0050	< 0.050	-	0.0021	< 0.50	
EV_EC1	EV_EC1_WS_2022-08-30_N_SRF	2022-08-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.1	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-08-31_N_SRF EV_EC1_WS_2022-09-01_N-SRF	2022-08-31 2022-09-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.5 14.8	-	-	-	+ -	-	-
EV_EC1	EV_ECT_W3_2022-09-01_N-SRF EV_ECT_WS_2022-09-02_N-SRF	2022-09-01	+ -	-	-	-	-	-	-	-	-	-	-	+ -	-	-	-	-	-	-	<u> </u>	15	-	-	-	+ -	-	-
EV EC1	EV EC1 WS 2022-09-02 N-SRF	2022-09-02	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	15.1	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-09-04 N-SRF	2022-09-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	_
EV_EC1	EV_EC1_WS_2022-09-05_N-SRF	2022-09-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.2	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-06_N-SRF	2022-09-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.2	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-07_N-SRF	2022-09-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.6	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09_MON_N	2022-09-08	-	-	-	-	-	8.08	1160	1670	< 1.0			436	< 1.0		< 0.250				< 0.0050	15.3	0.0063	0.202	-	0.0032		< 0.50
EV_EC1	EV_EC1_WS_2022-09-08_N-SRF	2022-09-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.1	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	Paramo	eters			Physical	Paramete	ers					Disso	lved Inor	ganics					Nutrient	s				
									1																			
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity		Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids		Turbidity Bicarbonate		Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	рН	mg/L	μS/cm m	V pH	mg	/L µS/cı	n mg/l	L mg/l	L n	ntu mg	ı/L m	ng/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a	Minimum 6.9 Maximum	L Acute Chronic	n/a n/a	mnuiuiW a 6.5	Maximum Maximum 9 n/:	a n/a	Acute 52	5 n/a	~ Acute	2 n/	a ı	n/a	n/a	n/a	99 Acute 120 Chronic	0.4-a	20 S S S S S S S S S S S S S S S S S S S	9 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Acute Optionic 32.8 3.7	O.06-0.60° 0.02-0.20°	n/a	n/a	0.015	n/a	n/a
Elkview Operation	EV EC4 WE 2022 00 00 N SEE	2022 00 00	1 1		l -														1	1		14.9		1			1	
EV_EC1 EV EC1	EV_EC1_WS_2022-09-09_N-SRF EV_EC1_WS_2022-09-10_N-SRF	2022-09-09 2022-09-10	-		-		-	+ -	-	-	-	_			-	-		-	-	-	-	15.2	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-11_N-SRF	2022-09-11	-	-	-		-	-	-	-	-				-	-	-	-	-	-	-	15.1	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-12_N-SRF	2022-09-12	- 1	-	-		8.14	99	5 1660	< 1.0	1400	0 < 0	0.10 44	5 <	1.0	< 1.0	< 0.250	5.03	-	717	< 0.0050	15.9	< 0.0050	0.379	-	0.0027	0.5	0.53
EV_EC1	EV_EC1_WS_2022-09-13_N-SRF	2022-09-13	-	-	-	- -	-	+	-	-	-		- -		-	-	-	-	-	-	-	15.1	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-09-14_N-SRF EV_EC1_WS_2022-09-15_N-SRF	2022-09-14 2022-09-15			-		-	+ -	-	-	-	-		+	-	-		-	-	-	-	15 15.7	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-16_N-SRF	2022-09-15	-	-	-	 	+ -	+ -	-	+ -	-	_	- -		-	-	-	-	-	-	-	16.3	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-17_N-SRF	2022-09-17	-	-	-		-	-	-	-	-				-	-	-	-	-	-	-	14.9	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-18_N-SRF	2022-09-18	-	-	-		-	-		-	-				-	-	-	-	-	-	-	15.2	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-09-19_N-SRF EV_EC1_WS_2022-09-20_N-SRF	2022-09-19 2022-09-20	-	-	-		-	+ -		-	-				-	-	-	-	-	-	-	15 15.2	-	-	-	-	-	-
EV_ECT	EV_ECT_WS_2022-09-20_N-SRF EV_ECT_WS_2022-09-21_N_SRF	2022-09-20			-		-	+-			+-				-	-		-	-	+	-	16.7	-	-	-	+ -	+	+-
EV EC1	EV EC1 WS 2022-09-22 N-SRF	2022-09-22	-	-	-		-	-	-	-	-				-	-	-	-	-	-	-	14.9	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-23_N-SRF	2022-09-23	-	-	-		-	-	-	-	-				-	-	-	-	-	-	-	15.7	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-24_N-SRF	2022-09-24	-	-	-		-	-		-	-	_			-	-	-	-	-	-	-	15.6	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-09-25_N-SRF	2022-09-25	-	-	-		- 0.12	- 110		4.5	1440			10 -	- 1.0	- 10	- 0.050	5.09	- 0.100	748	< 0.0050	15.6 15.3	< 0.0050	- 0.467	-	- 0.0046	- 0.50	< 0.50
EV_ECT	EV_EC1_WS_2022-09-26_N-SRF EV_EC1_WS_2022-09-27_N-SRF	2022-09-26 2022-09-27			-		8.13	3 118		4.5	1440	_	.53 42		- 1.0	< 1.0	< 0.250	5.09	< 0.100	740	- 0.0030	15.2	- 0.0030	0.467	-	0.0046	0.52	< 0.50
EV EC1	EV EC1 WS 2022-09-28 N-SRF	2022-09-28	-	-	-		-	-	-	-	-				-	-	-	-	-	-	-	15.3	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-29_N-SRF	2022-09-29	- 1	-	-		-	-	-	-	-				-	-	-	-	-	-	-	15.6	-	-		-	-	-
EV_EC1	EV_EC1_WS_2022-09-30_N-SRF	2022-09-30	-	-	-			-	-	-	-				-	-	-	-	-	-	-	15.3	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-10-01_N-SRF	2022-10-01	-	-	-		-	-	-	-	-	_			-	-		-	-	-	-	15.4	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-10-02_N-SRF EV_EC1_WS_2022-10-03_N-SRF	2022-10-02 2022-10-03			-	 	8.13	3 114	10 1590) 1	1500		0.2 52	93 <	1.0	< 1.0	< 0.250	5.43	< 0.100	750	< 0.0050	15.2 15.6	< 0.0050	0.445	-	0.0021	< 0.50	< 0.50
EV EC1	EV EC1 WS 2022-10-03 N-SRF	2022-10-03	-	-	-		-	-		-	-				-	- 1.0		-	-	-	-	15.8	-	-	-	-	- 0.50	- 0.50
EV_EC1	EV_EC1_WS_2022-Q4_N	2022-10-05	-	-	-		8.28	124	1600	1.8	1410	0 0.	.12 44	5 <	: 1.0	< 1.0	< 0.250	7.29	0.12	763	0.0072	11.7	< 0.0050	1.06	1	0.0027	0.62	0.54
EV_EC1	EV_EC1_WS_2022-10-06_N-SRF	2022-10-06	-	-	-		-	-		-	-				-		-	•	-	-	-	15	-	-		-	-	-
EV_EC1	EV_EC1_WS_2022-10-17_N-SRF	2022-10-17	-	-	-		8.18						.12 46			< 1.0	< 0.250	8.2		795	< 0.0050	10.6	0.0058	0.277	-	0.006	0.6	< 0.50
EV_EC1 EV EC1	EV_EC1_WS_2022-10-31_N-SRF EV_EC1_WS_2022-11-14_N-SRF	2022-10-31 2022-11-14	-		-		8.18 8.33					_	0.10 49 0.10 47			< 1.0 < 1.0	< 0.250 < 0.250	8.33 8.18		788 814	< 0.0050 < 0.0050	9.59	< 0.0050 < 0.0050	1.03 0.071	-	0.007	< 0.50	0.86 < 0.50
EV EC1	EV EC1 WS 2022-11-14-14-01(1	2022-11-15	-	-	-		8.34					_	0.10 47			< 1.0	< 0.250	1.05	0.48		< 0.0050	2.86	< 0.0050	1.86	-	0.0051	0.58	0.6
EV_EC1	EV_EC1_WS_2022-11-21_N-SRF	2022-11-21	-	-	-		-	-	-	-	-				-	-	< 0.250	7.96	0.151	793	-	9.41	0.0075	-	-	-	-	-
EV_ER4	EV_ER4_WS_2022-Q1_N	2022-01-10	-	-	-		8.02						.26 20			< 1.0	< 0.050	3.25	0.154		0.0052	3.92	0.0017	0.337	-	0.0032		
EV_ER4 EV ER4	EV_ER4_WS_2022-02_MON_N EV_ER4_WS_2022-03_MON_N	2022-02-15 2022-03-15	-	-	-		8.34	_				_	.33 21			< 1.0 < 1.0	< 0.050	3.98 4.62	0.148		< 0.0050 0.0076	4.58 4.58	0.0014 0.0021	0.315	-	0.0023	< 0.50	
EV_ER4 EV ER4	EV_ER4_WS_2022-03_MON_N EV_ER4_WS_2022-03_WEK13_N	2022-03-15	1 -	-	-		8.15 8.3					_	.68 21		1.2	< 1.0	< 0.050	5.01	0.182		0.0076	4.58	0.0021	0.328	-	0.002	< 0.50 1.55	
EV_ER4	EV_ER4_WS_2022-03_WEK14_N	2022-03-21	- 1	-	-		8.26			_		_	.13 23		1.0	< 1.0	< 0.050	4.6	0.157		< 0.0050	4.89	0.0022	0.374	-	0.0066	0.83	0.58
EV_ER4	EV_ER4_WS_2022-04_WEK15_N	2022-04-04	-	-	-		7.97					_	.78 24			< 1.0	< 0.050	4.43	0.182		< 0.0050	5.43	0.0023	0.344		0.0094	0.88	0.88
EV_ER4	EV_ER4_WS_2022-Q2_N	2022-04-11	-	-	-			_					1.3 24			< 1.0	< 0.050	4.23	0.195		< 0.0050	5.74	0.0016	0.246	-	0.0051	0.67	0.7
EV_ER4 EV ER4	EV_ER4_WS_2022-04_WEK17_N EV ER4 WS 2022-04 WEK18 N	2022-04-18 2022-04-25	-	-	-		8.21 8.44						0.3 22							129 120	0.0275 < 0.0050	5.84 5.73	0.0035 0.0021	0.4	-	0.0026 0.0027		
EV ER4	EV ER4 WS 2022-05 MON N	2022-04-23	-		-		8.31						.75 20				< 0.050			118	0.267	5.73	0.0021	0.721	-	0.0027		
EV_ER4	EV_ER4_WS_2022-05_WEK20_N	2022-05-10	-	-	-		8.25	23		14.2	339	3.	. 61 21	5 <	< 1.0	< 1.0	< 0.050	3.04		89.7	< 0.0050	3.98	0.0026	0.119	-	0.0166		
EV_ER4	EV_ER4_WS_2022-05_WEK21_N	2022-05-16	-	-	-		8.25	5 25	8 483	7.6	304	1 2.	. 51 21	3 <	< 1.0	< 1.0	< 0.050	2.4	0.16	90.1	0.0139	3.86	0.002	0.635	-	0.015	1.89	1.09
EV_ER4	EV_ER4_WS_2022-05_WEK22_N	2022-05-24	-	-	-								.07 19				< 0.050			75.8	0.132	3.76	0.0015	0.468	-	0.0084		
EV_ER4 EV ER4	EV_ER4_WS_2022-05_WEK23_N EV_ER4_WS_2022-06_MON_N	2022-05-30 2022-06-07	-	-	-		8.35 8.14						2.3 19 7.1 18				< 0.050			55.8 44.7	< 0.0050 0.0488	2.48 1.81	0.0011 0.0014	0.439	-	0.0629		
EV_ER4 EV ER4	EV_ER4_WS_2022-06_MON_N EV_ER4_WS_2022-06_WEK25_N	2022-06-07	-		-								2.6 19				< 0.050			36.6	0.0466	1.76	< 0.0014	0.412	-	0.204		
EV ER4	EV ER4 WS 2022-06 WEK26 N	2022-06-20	-	-	-															34.2	< 0.0050	1.42	< 0.0010	0.812	-	0.407		

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field I	Paramete	ers	1		Physical Pa	arameter	s .				Disse	olved Inor	ganics					Nutrient	ts				
									i joioui i c						1		guee					1,1,1,1,1,1	Ĭ				=
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Н	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pH _	mg/L μ	uS/cm mV	pH	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a 6	Minimum 6 Maximun	T Acute	n/a n/a	9.5 Minimum Waximum	n/a	n/a	5 Acute Chronic	n/a	AcuteChronic	n/a	n/a	n/a	n/a	Acute Chronic	Acute	20 Chro 128-429	0.681-28.7 ^b 0.102-2.08	Acute Chronic	O 20-0 90 90 90 90 0 90 0 90 0 90 0 90 0	n/a	n/a	Chronic 0.015	n/a	n/a
Elkview Operation			1.74			1,00	0.0 0		11/0	120 0	1.70	,		11/4	.,,,,	1.00	000 101	,	1.20 .20	0.001 20.1 0.102 2.00	0 02.0 0	0.00 0.00 0.02 0.20	1.70	1,7,0	0.0.0	1.70	11/4
EV_ER4	EV_ER4_WS_2022-06_WEK27_N	2022-06-27	-	-	-		8.31	188	349	71.2	216	24.5	174	5.4	< 1.0	< 0.050	1.01	0.128	41.6	< 0.0050	2.03	0.0015	0.663	-	0.106	2.47	0.99
EV_ER4	EV_ER4_WS_2022-Q3_N	2022-07-04	-	-	-		8.26	175	258	50	209	22.8	172	1.1	< 1.0	< 0.050	0.94	0.14	37.7	< 0.0050	1.68	0.0015	0.225	-	0.0635	2.11	1.06
EV_ER4	EV_ER4_WS_2022-07_WEK29_N	2022-07-11	-	-	-		7.65	176	340	31.1	220	15.5	200	< 1.0	< 1.0	< 0.050	1.06		36.8	< 0.0050	1.49	0.0014	0.311	-	0.0361		1.01
EV_ER4	EV_ER4_WS_2022-08_MON_N	2022-08-08	-	-	-		8.33	212	394	9.8	254	1.77		5.9	< 1.0	< 0.050	1.59		57.5	< 0.0050	2.13	0.001	0.182	-	0.0088		
EV_ER4	EV_ER4_WS_2022-09_MON_N	2022-09-06	-	-	-		8.35	243	413	3.1	285	0.72	185	5.2	< 1.0	< 0.050	1.94	0.192		< 0.0050	2.54	< 0.0010	0.146	-	0.0037	< 0.50	
EV_ER4	EV_ER4_WS_2022-Q4_N	2022-10-03	-	-	-		8.3	258	468	3.2		0.3		1.8		< 0.050	2.86 3.54		86.4	< 0.0050 < 0.0050	3.31 3.25	0.0013 0.0011	0.146	-	< 0.0020		
EV_ER4 EV GC2	EV_ER4_WS_2022-11_MON_N EV_GC2_WS_2022-01-02_N	2022-11-07 2022-01-02	-	-	-		8.38	282	491	< 1.0 11.4	338	0.18 14.3	201	4.1	< 1.0	< 0.050	3.54	0.189	93	- 0.0050	3.25	0.0011	0.19	-	< 0.0020	0.64	0.55
EV_GC2	EV GC2 WS 2022-01-02 N EV GC2 WS 2022-01-04 N	2022-01-02	-	-	-		-	-	-	39.4		29.2	-		+	-	-	-	-	-	-	-	-	-	-	+ -	+
EV_GC2	EV GC2 WS 2022-Q1 N	2022-01-05	-	-	-		8.04	643	1100	65.4		59.2	314	< 1.0	< 1.0	< 0.250	17.5		402	0.0234	1.99	0.0116	0.253	-	0.0184		1.12
EV GC2	EV GC2 WS 2022-01-06 N 0915	2022-01-06	-	-	-		-	-	-	38.5	-	23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-01-06 N 1209	2022-01-06	-	-	-		-	-	-	54.5	-	31.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-01-07 N	2022-01-07	-	-	-		-	-	-	65.3	-	75.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-08_N	2022-01-08	-	-	-		-	-	-	48.8	-	30.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-09_N	2022-01-09	-	-	-		-	-	-	35.9	-	26.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-14_N	2022-01-14	-	-	-		-	-	-	40.6	-	43.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-22_N	2022-01-22	-	-	-		-	-	-	72.2		88.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-23_N_1306	2022-01-23	-	-	-		-	-	-	66.5	-	82.5 67.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-01-23_N_1628 EV_GC2_WS_2022-01-24_N	2022-01-23 2022-01-24	-	-	-		-	-	-	50.9 20	-	29.8	-		-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-01-24 N EV GC2 WS 2022-01-25 N	2022-01-24	-				+ -	-	-	34.9		42.5	-		-	-		 	-	-	-	-	-	-	-	-	+ -
EV_GC2	EV GC2 WS 2022-01-28 N 1448	2022-01-28	-	-	-		_	-		30.7		40.4	-		-	-	-	-	-	-	-	-	-	-	-	-	
EV GC2	EV GC2 WS 2022-01-28 N 0816	2022-01-28	-	-	-		-	-	-	28.1	-	33.8	-		-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-01-29 N	2022-01-29	-	-	-		-	-	-	24.8	-	42.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-30_N	2022-01-30	-	-	-		-	-	-	43.3	-	53.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1332	2022-01-31	-	-	-		-	-	-	49.4	-	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1434	2022-01-31	-	-	-		-	-	-	62.8		63.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1509	2022-01-31	-	-	-		-	-	-	104	-	62.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1539	2022-01-31	-	-	-		-	-	-	54.7	-	53.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-01-31_N_1627 EV_GC2_WS_2022-01-31_N_1645	2022-01-31 2022-01-31	-	-	-		-	-	+	65.2 48.2	-	81.6 66.9	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-01-31 N 0858	2022-01-31		-	-		-	 -	+	54.2	H	70			+-	<u> </u>	-	<u> </u>	-	-	-	-	-	-	-	+-	-
EV_GC2	EV GC2 WS 2022-01-31 N 1208	2022-01-31	-	-	-		-	-	 -	50		50.5	-		 -	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1231	2022-01-31	-	-	-		-	-	-	51	-	58.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1304	2022-02-01	-	-	-		-	-	-	24.5	-	47.2		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1405	2022-02-01	-	-	-		-	-	-	27.7	-	45.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1506	2022-02-01	-	-	-		-	-	-	26.5		55		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1538	2022-02-01	-	-	-		-	-	-	33.9	-	61.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-01_N_0744	2022-02-01	-	-	-		-	-	-	88.1 31.7	-	98.8 74.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EV_GC2_WS_2022-02-01_N_0843 EV_GC2_WS_2022-02-01_N_0933	2022-02-01		-	-		-	 -	+	31.7	<u> </u>	66.1	-		-	-	-	<u> </u>	-	-	-		-	-	-	+-	+ -
EV_GC2 EV GC2	EV GC2 WS 2022-02-01 N 1047	2022-02-01 2022-02-01	- +	-	-		-	-	+ -	38	H :-	68.9			+ -	-	-	-	-	-		-	-	-	-	+ -	+ -
EV_GC2	EV GC2 WS 2022-02-01 N 1204	2022-02-01	-	-	-		-	-	-	24.9		46.6			-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-02-01 N 1508	2022-02-02	-	-	-		-	-	<u> </u>	13.8	-	26.5		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-02_N_1605	2022-02-02	-	-	-		-	-	-	13.7	-	30.3		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-02_N_0759	2022-02-02	-	-	-		-	-	-	22.9	-	46.7		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-02_N_1135	2022-02-02	-	-	-		-	-	-	21	-	37.8		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-02_N_1250	2022-02-02	-	-	-		-	-	-	17.8		32.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-03_N_1334	2022-02-03	-	-	-		-	-	 -	48.3	-	82.8		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-03_N_1434	2022-02-03	-	-	-		-	-	-	52.3	-	84.9		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-02-03 N 1557	2022-02-03	-	-	-	- -	-	-		51.4	-	83.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

Semiphone Semi					Field	Parame	eters			Physi	ical Para	ameters					Disso	lved Inor	ganics					Nutrient	s				
Part																													u
BE WORFFREE				Field Temperature			Field Field	Hd		Hardness	Conductivity	Total Suspended	Total Dissolved Sol	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	•	Fluoride	Sulfate	Ammonia Nitrogen		Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
BAMES STATE STAT	Location	ID	(yyyy-mm-dd)	С	pН	mg/L	μS/cm m\	V pH	_ m	ng/L µS	S/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
O C C C C C C C C C	/QG FWAL			n/a	Minimum 6.5 Maximum	Descrited Chronic	n/a n/a	unwiuiW a 6.5	Maximum e	n/a ı	n/a 2	Ghronic Chronic	n/a	∞ Acute ⊳ Chronic	n/a	n/a	n/a	n/a	Acute Chronic	o.4-	20 24 128-429	O.681-28.7 ^b 0.102-2.08	Acı	O.06-0.60° 0.02-0.20°	n/a	n/a		n/a	n/a
C C C C C C C C C C																													
FY CO2				_				_		-					-	-				+	+	-						-	-
EV GCZ				-	-	-		_		-					-	-	-	-		-	+	-	_			-	-	-	-
BY GC BY GC W 2002204 102 202204 102				-	-	-		-	-	-					-	-	-	-		-	 	-	_			-	-	-	+ -
FY GC2				-	-	-	- -			-					-		-	-	-		-	-	_					-	-
EV SC2 EV SC2 WS 2622460 N 0787 2022460 N	_			- +	-	-		+ -	-	-			-		-	-	-	-	-	-	-	-	_				_	-	+
EV GCC				-						-			-		-		-	-	-	<u> </u>	<u> </u>		_			-		-	+ -
EV GC2 FV GC2 NS 2002-204 N 1728 2022-205 N 2 2022-205 N				_ +		-		-	- 1	-					-		<u> </u>	1 -	-	 	 	-						-	+ -
EV GC2 EV GC2 WS 2022-04 MN N 2022-05 P				-	-	-		-		-			-		-	-	-	-	-	-	-		_					-	-
EV GC2				-	-	-		-		-			-		-	-	-	-	-	-	-	-	-	-	-		-	-	-
EV GC2 EV GC2 WS 2022-04-10, 1730 2022-02-09	EV GC2	EV GC2 WS 2022-02 MON N	2022-02-07	-	-	-		8.0	5 6	606 1	1040	20.7	788	18.5	315	< 1.0	< 1.0	< 0.250	18	0.146	349	0.0191	1.86	0.0083	0.296	-	0.0112	1.16	0.81
EV GC2	EV GC2	EV GC2 WS 2022-02-08 N	2022-02-08	-	-	-		8.1	1 6	620 9	997	21.2	814	33.5	347	< 1.0	< 1.0	0.071	18.7	0.148	338	0.0266	1.83	0.012	0.343	-	0.0112	7.68	1.42
EV GCZ EV GCZ WS 2022-02-10 N 1025 2022-02-10	EV_GC2	EV_GC2_WS_2022-02-09_N	2022-02-09	-	-	-		8.2	: 6	608 1	1070	17.5	829	27.3	352	< 1.0	< 1.0	< 0.050	17.5	0.156	332	0.0211	1.84	0.0111	0.276		0.0204	3.45	0.68
EV GCZ EV GCZ WS 2022-0-10 N 1005 2022-0-2-10	EV_GC2	EV_GC2_WS_2022-02-10_N_1330	2022-02-10	-	-	-		8.1	2 5	596 1	1000	27.8	679		327	< 1.0	< 1.0	< 0.250	17.2	0.194	310	0.0261	1.62	0.0104	0.331	-	0.025	8.34	1.15
EV GC2				-	-	-		-		-					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EY GC2					-	-									-													-	-
EV GC2	_				-											< 1.0												6.07	1.33
EV GC2				-												3												3.21	2.25
EV GC2				-	-																							1.57	1.21
EV GC2 EV GC2 WS 2022-02-15 N 1403 2022-02-15					-			_	_														-					1.51	1.4
EV GC2 EV GC2 WS 2022-02-18 N 0759 2022-02-16				-		-		_			-				-													-	+ -
EV GC2						-			-	_	_				_	-				-	_	_	_					-	+ -
EV GC2 EV GC2 WS 2022-02-16 N 0750 2022-02-17	_			- 1		-		-		_					-		-	-		-	 						_	-	-
EV GC2 EV GC2 WS 2022-02-17 N 0920 2022-02-17				-	-	-		-		-			-		-	-	-	-	-	-	-	-	-	-	-		-	-	-
EV GC2 EV GC2 WS 2022-02-18 N 1354 2022-02-18				-	-	-		-		-	-	23.6	-	25.2	-	-	-	-	-		-	-	-	-	-	-	-	-	-
EV GC2 EV GC2 WS 2022-02-18 N 0745 2022-02-19 N 2022-02-20 N 2020	EV_GC2	EV_GC2_WS_2022-02-17_N_1222	2022-02-17	-	-	-		-		-	-	19.9	-	19.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV_GC2	EV_GC2_WS_2022-02-18_N_1354	2022-02-18	-	-	-		-		-	-	15.4	-	23.3	-	-	-	-	-	-	-	-	-	-	-		-	-	-
EV GC2				-	-	-		-		-			-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	_			-	-	-				-	-				-	-	-	-	-	-	 	-		-		-	_	-	-
EV GC2				-	-	-				-	-				-	-		-		<u> </u>	+		_					-	-
EV GC2				-	-	-			_	-					-	-	-	-		+ -	+							-	+ -
EV GC2				-		-		+-	+	-	-				-					+		-	_	-				-	-
EV GC2				-				+			- +											-	_	-				-	+-
EV GC2				_ +	-				_		- +				-													-	+ -
EV GC2	_			- 1	-				_		- +				-	-				+	 						_	-	-
EV GC2		EV_GC2_WS_2022-02-24 N 0726		-	-	-		-		-	-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV_GC2_WS_2022-02-26 N_1457 2022-02-26 - </td <td>EV_GC2</td> <td>EV_GC2_WS_2022-02-25_N_1435</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>20.8</td> <td>-</td> <td>12.9</td> <td>_</td> <td></td> <td></td> <td>-</td> <td>-</td> <td></td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td>-</td>	EV_GC2	EV_GC2_WS_2022-02-25_N_1435		-								20.8	-	12.9	_			-	-			-	-	-				-	-
EV_GC2	EV_GC2	EV_GC2_WS_2022-02-25_N_0740	2022-02-25	-	-	-	- -			-]	-	9.7	-	9.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2				-					_										-		-	-		-				-	-
EV GC2	_								_																			-	-
EV_GC2 EV_GC2 WS_2022-02-28 N_1412 2022-02-28									_																			-	-
EV_GC2 EV_GC2 WS_2022-02-28 N_0740 2022-02-28								_															_					-	-
EV_GC2									_																			-	-
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EV GC2									_																			-	-
EV GC2									_											1							-	-	+ -

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	d Param	eters			-	Physical F	Paramete	rs		1		Diss	olved Ino	rganics					Nutrient	s				$\overline{}$
					1]										<u> </u>
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Field ORP	Hd	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pH	mg/L	μS/cm	mV	pН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a	Minimum 6.5	T Acute	n/a	n/a	9.9 Minimum o Maximum	n/a	n/a	S Acute	n/a	% Acute	2 n/a	n/a	n/a	n/a	Acute Chronic	Acute	Chronic 128-429a	O.681-28.7 ^b 0.102-2.0	Chronic 8 28 3 2	O.06-0.60° 0.02-0.20°	n/a	n/a	Chronic Chronic	n/a	n/a
Elkview Operation			11/U	0.0 0	, · ·	11/4	11/4	0.0 0	11/4	11/4	20 0	11/4	0 2	11/4	11/G	11/4	11/4	000 100) U.T	120 420	0.001 20.7 0.102 2.0	00 02.0 0.7	0.00 0.00 0.02 0.20	11/4	11/4	0.010	11/4	11/4
EV_GC2	EV_GC2_WS_2022-03-02_N_0830	2022-03-02	-	-	-	-	-	-	-	-	17.5	-	17.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-03_N_1310	2022-03-03	-	-	-	-	-	-	-	-	10.1	-	15.6		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-03_N_0735	2022-03-03	-	-	-	-	-	-	-	-	7.7	-	9.86		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-03-04_N_1316 EV_GC2_WS_2022-03-04_N_0751	2022-03-04 2022-03-04	-	-	 -	-	-	-	-	 -	7.8 6.6	-	6.96		- -	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-03-04 N 1357	2022-03-04	+	-	H	+ -	H	-	+-	+ -	6.1	-	6.96		+ -	+-	-	-	+ -	-	-		-	+ -	-	+ -	+-	-
EV GC2	EV GC2 WS 2022-03-05 N 0755	2022-03-05	-	-	-	-	-	-	-	-	4.7	-	8.04		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-06_N_1437	2022-03-06	-	-	-	-	-	-	-	-	7.2	-	8.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-06_N_0725	2022-03-06	-	-	-	-	-	-	-	-	10	-	6.79		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-07_N_0735	2022-03-07	-	-	-	-	-	-	-	-	9.2	-	10.4			-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-11_N	2022-03-11	-	-	-	-	-	8.08	586	1050	9.4	725	_		< 1.0				0.145		0.0053	1.54	0.0153	0.206	-	0.0086	3.87	1.49
EV_GC2	EV_GC2_WS_2022-03-16_N	2022-03-16	-	-	-	-	-	8.35	493	864	22	602	18.2		5	< 1.0	0.57	22.4	0.162		0.247	1.09	0.016	0.292	-	0.0064	2.23	2.15
EV_GC2 EV GC2	EV_GC2_WS_2022-03-16_N_0005 EV_GC2_WS_2022-03_MON_N	2022-03-16 2022-03-17	 -	-	-	-	-	8.29	483	799	31.7 13.5		22.3 11.6		< 1.0	< 1.0	< 0.250	20.6	0.145	254	0.0072	1.34	0.0153	0.477	-	0.0134	2.28	2.19
EV_GC2	EV MC6 WS 2022-03 MON N	2022-03-17	+ -	+ -	 	-	-	8.39	497	918	13.1	658	12.7		8.9	< 1.0		20.8	0.145		0.0072	1.24	0.0133	0.477	-	0.0134	1.65	2.19
EV_GC2	EV MC8 WS 2022-03 MON N	2022-03-17	-	-	-	-	-	5.12	< 0.50	< 2.0	< 1.0		< 0.10		< 1.0				< 0.020		< 0.0050	< 0.0050	< 0.0010	< 0.050	-	< 0.0020		
EV GC2	EV GC2 WS 2022-03 WEK13 N	2022-03-21	-	-	-	-	-	-	-	-	9.4	-	9.83		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-24_N_0634	2022-03-24	-	-	-	-	-	-	-	-	44.2	-	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-24_N_1115	2022-03-24	-	-	-	-	-	-	-	-	28.3		37.2		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-24_N_1251	2022-03-24	-	-	-	-	-	-	-	-	31.7		40.5		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-25_N_0645	2022-03-25	-	-	-	-	-	-	-	-	35.1		48.9		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-26_N_1401	2022-03-26	-	-	-	-	-	-	-	-	27.6		24.7		-	-	-	-	-	-	•	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-03-26_N_1557 EV_GC2_WS_2022-03-26_N_0752	2022-03-26 2022-03-26	-	-	-	-	-	-	-	-	23.5 42	-	24.7 46.7		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-03-26 N 0752 EV GC2 WS 2022-03-27 N	2022-03-26	-	 -	-	-	-	-	-	-	27.2		26.8		-	+-	-		-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-03-27 N	2022-03-27	+ -	+ -	-	-	-	-	1	1	24.9		22.5		-	+ -	+ -	-	-	-	-	-	-	-	-	+ -	-	+ -
EV GC2	EV GC2 WS 2022-03-28 N 0707	2022-03-28	-	-	-	-	-	-	-	-	28.7		45.5		-	-	-	-	-	-		-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-03-29 N 1543	2022-03-29	-	-	-	-	-	-	-	-	31.9	-	44.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-29_N_0750	2022-03-29	-	-	-	-	-	-	-	-	20.3	-	57.2	-	-	-	-	-	-	-	P	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-30_N_1602	2022-03-30	-	-	-	-	-	-	-	-	29.3		41.3		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-30_N_0728	2022-03-30	-	-	-	-	-	-	-	-	32.4		35.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-31_N_1357	2022-03-31	-	-	<u> </u>	-	-	-	-	-	28.8		28.2		<u> </u>	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-31_N_0754 EV_GC2_WS_2022-03-31_N_1210	2022-03-31	-	-	-	-	-	-	-	-	26.2		33.8		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-03-31_N_1210 EV_GC2_WS_2022-04-01_N_1457	2022-03-31 2022-04-01	-	-	-	-	-	-	-	-	28 31.6	-	31.2 44		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-04-01 N 1556	2022-04-01	-	 -	<u> </u>	-	-	-	+ -	+-	29.2		43.6		 	-	+ -	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-04-01 N 0743	2022-04-01	-	-	-	-	-	-	-	-	33.1		42.8		-	-	-	-	-	-	=	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04-02_N_1554	2022-04-02	-	-	-	-	-	-	-	-	17.2		26.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04-02_N_0807	2022-04-02		-	-	-	-	-	-	-	21.7		23.6		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04_WEK15_N	2022-04-04	-	-	-	-	-	-	-		21.3		25.7		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-Q2_N	2022-04-12	-	_	-		-	8.45		843				303							0.0081	1.15	0.003	0.322	-			3.12
EV_GC2	EV_GC2_WS_2022-04_WEK17_N	2022-04-18	-	-	-	-	-	-	-	-	9.9		11.5		-		-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04_WEK18_N EV_GC2_WS_2022-04-25_N_0757	2022-04-25 2022-04-25	-		-	-	-	-	-	-	13.3 12.2		19.4 23.3		-	-	-	-	-		-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV GC2 WS 2022-04-25 N 0757 EV GC2 WS 2022-05 MON N	2022-04-25	-	_	-	-	-	8.51			8.6			280					0.123		< 0.0050	0.92	0.003	0.259	-	0.0082		3.01
EV_GC2	EV MC6 WS 2022-05 MON N	2022-05-05	+ -	_	-	-	-	8.52		795	5.8			281						202	< 0.0050	0.904	0.0044	0.239	-	0.0082		3.17
EV_GC2	EV MC8 WS 2022-05 MON N	2022-05-05	-	_	-	-	-	5.37						0 < 1.0						< 0.30	0.0418	< 0.0050	< 0.0010	< 0.050	-			< 0.50
EV_GC2	EV_GC2_WS_2022-05-07_N_1832	2022-05-07	-	-	-	-	-	-	-	-	24.3		28.3		-		-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05-07_N_0655	2022-05-07	-	-	-	-	-	-	-	-	23.2				-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05-08_N_1837	2022-05-08	-	-	-	-	-	-	-	-	25.7	-	28.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	·	-																			-							

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field I	Parame	ters			Physical	Paramet	ers		1		Diss	olved Ino	rganics					Nutrien	ts				
			1						,		Ī				1 2.50	1	J										ç
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Ha.:	11	Hardness Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pH _ ⊂	mg/L	μS/cm m\	' pH	_ m	g/L µS/cn	n mg/	L mg/L	_ ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	. mg/L
BC WQG FWAL			n/a 6	Minimum	Acute Chronic	n/a n/a	Winimum 6.5	Maximun	n/a n/a	. Acute	5 n/a	φ Acute	2 n/a	n/a	n/a	n/a	Acute Chronic	Acute	Chronic	Acute Chronic	Acute	Acute Acute Chronic	C =/a	7/0	Chronic	7/2	n/a
Elkview Operation			n/a c	5.5 9	1 5	n/a n/a	0.5	9 11	1/a 11/a	25	o II/a	0 .	Z II/a	n/a	n/a	n/a	000 150	0.4-	120-429	0.681-28.7° 0.102-2.08	32.0 3.1	0.00-0.00 0.02-0.20	c n/a	n/a	0.015	n/a	n/a
EV GC2	EV GC2 WS 2022-05-08 N 0700	2022-05-08	- 1	-	- 1	- 1 -	_			24.3	B -	29.2	2 -	1 -	T -	T -	1 -	_	_	<u> </u>	T -	-	Τ -	_	T -	Ι.	-
EV GC2	EV GC2 WS 2022-05-09 N 0655	2022-05-09	-	-	-		-			19.7		26		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05_WEK20_N	2022-05-10	-	-	-		-			19.6	ì -	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05-10_N_1846	2022-05-10	-	-	-		-		- -	18.4		24.2		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-05-10_N_0650 EV_GC2_WS_2022-05-11_N_0800	2022-05-10 2022-05-11	-	-	-		-	_		16.6 16.4	_	22.9		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-05 WEK21 N	2022-05-11		-	-		-	_		4.6		11.2		 	+-	+-	-	+ -	-	-	+ -	-	 -	-	+ -	-	+-
EV GC2	EV GC2 WS 2022-05 WEK21 N	2022-05-10	-	-	-		-	_		9.8		12		-	-	-	-	-	-	-	-	-	 -	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05_WEK23_N	2022-05-30	-	-	-		-			3.1	-	9.96	3 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06_MON_N	2022-06-08	-	-	-		8.49	5	61 960	_				10.1	< 1.0	0.058	14.3	0.136	288	0.0076	1.27	0.0043	0.328	-	0.0076	6.14	1.52
EV_GC2	EV_GC2_WS_2022-06-13_N_1742	2022-06-13	-	-	-		-			47		14.6		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06_WEK25_N	2022-06-14	-	-	-		-			44.2		123		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-06-14_N_0740 EV_GC2_WS_2022-06-14_N_2106	2022-06-14 2022-06-14	-	-	-		-	_		48.7 29.8		111 63.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-06-14 N 2100 EV GC2 WS 2022-06-15 N 1553	2022-06-14	 	-	-		+			24.9		31.5		 	+-	-	-	-	-	-	+ -	-	+ -	-	-	-	+ -
EV GC2	EV GC2 WS 2022-06-15 N 0840	2022-06-15	-	-	-		-	_		26		64.3		-	-	-	-	-	-	-	_	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-06-16 N 0800	2022-06-16	-	-	-		-			12.6		13.3		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-18_N_0810	2022-06-18	-	-	-		-			77.1	-	76.4		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-19_N_1825	2022-06-19	-	-	-		-			8.6		20.4		-	-	-	-	-	-	-	-	-	-	-	-	-	
EV_GC2	EV_GC2_WS_2022-06-19_N_0735	2022-06-19	-	-	-		-			22.5		46.3		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-06-20_N_1550	2022-06-20	-	-	-		8.43		64 816	19.5 35.4		17.9 47.1		11.8	< 1.0		19.4		224	< 0.0050	1.02	0.004	0.344	-	0.0206	3.43	
EV_GC2	EV_GC2_WS_2022-06-20_N_0730 EV_GC2_WS_2022-06-21_N	2022-06-20 2022-06-21	-	-	-		8.35		87 829	14.2				8.6	< 1.0	0.104	19.4	- 0 141	216	< 0.0050	1.04	0.0051	0.298	-	0.0174	5.9	2.95
EV GC2	EV GC2 WS 2022-06 NP	2022-06-22	_	-	-		8.35		- 884	15.7				4.3	< 1.0		18.6		234	< 0.0050	1.11	0.0051	-	-	0.03757		-
EV GC2	EV GC2 WS 2022-06 WEK27 N	2022-06-27	-	-	-		-			10.2		11.7		-	-	-	-	-	-	-	-	-	-	-	-	-	_
EV_GC2	EV_GC2_WS_2022-07-05_N	2022-07-05	-	-	-		8.42	4:	97 849	21.8	616			10.1	< 1.0	0.112	18.5	0.148	246	0.0618	1.33	0.0058	0.361	-	0.0291	1.93	1.79
EV_GC2	EV_GC2_WS_2022-Q3_N	2022-07-06	-	-	-		8.49	5	48 924	8.4	710			13	< 1.0	< 0.250	16.3	0.137	278	0.0108	1.71	< 0.0050	0.258	-	0.0113	1.33	1.2
EV_GC2	EV_GC2_WS_2022-07_WEK29_N	2022-07-11	-	-	-		- 0.50			6	- 040	15.8		- 40.0	- 110		- 40.7	- 0.44	-	-	-	- 0.0004	- 0.000	-	- 0.0047	-	
EV_GC2 EV GC2	EV_GC2_WS_2022-08_MON_N EV_GC2_WS_2022-09_MON_N	2022-08-10 2022-09-07		-	-		8.52 8.19		20 1150 25 1020					12.2 < 1.0	< 1.0 < 1.0	_		0.11	382 369	< 0.0050 0.005	2.35 2.6	0.0094 0.0116	0.309	-	0.0047	0.68 1.12	_
EV_GC2	EV_GC2_WS_2022-09_MON_N EV_GC2_WS_2022-Q4_N	2022-10-05	+ - +	-	-		8.12		53 996	2.9				< 1.0	< 1.0	_		0.164		< 0.0050	3.06	0.0118	0.125	-	0.0029		_
EV GC2	EV GC2 WS 2022-Q4 N	2022-10-03	-	-	-		8.39	_	29 998	7	_	_		8.6	< 1.0	_			334	< 0.0050	2.8	0.0067	0.204	-	0.0034		
EV_GC2	EV_GC2_WS_2022-11-15_N	2022-11-15	-	-	-		8.45		47 1100	_				11.5	< 1.0				358	< 0.0050	2.95	< 0.0050	0.323	-	< 0.0020		_
EV_GC2	EV_GC2_WS_2022-11-17_N	2022-11-17	-	-	-		8.45		62 1030					13	< 1.0				347	< 0.0050	2.89	0.0067	0.277	-	0.0074	1.21	
EV_GC2	EV_GC2_WS_2022-11-19_N	2022-11-19	-	-	-		8.47		49 1100			_		15	< 1.0				346	0.0054	3.1	0.0075	0.364	-	0.0074		
EV_LC1 EV LC1	EV_LC1_WS_2022-Q1_N	2022-01-14	-	-	-		8.21		49 784 86 842	13.1				< 1.0 < 1.0	< 1.0 < 1.0	< 0.065	7.09		55.6	0.0163 0.0117	0.112 0.127	0.003 0.0059	0.078	-	0.0177	4.93	_
EV_LC1 EV LC1	EV_LC1_WS_2022-02_MON_N EV_LC1_WS_2022-03_MON_N	2022-02-07 2022-03-16	-	-	-		8.00	_	90 794	10.1	_			< 1.0	< 1.0	< 0.050		0.296	56 52.7	0.0117	0.127	0.0059	0.096	-	0.0164	1.25 4.77	_
EV LC1	EV LC1 WS 2022-03 MON N	2022-03-10	-	-	-		8.11		46 880					< 1.0	< 1.0	_	7.89	0.214		< 0.0050	0.0297	< 0.0010	0.302	-	0.012	1.77	_
EV LC1	EV LC1 WS 2022-04-15 N	2022-04-15	-	-	-		8.03	_	48 821	3.4		_		< 1.0	< 1.0	_	7.55		79.7	< 0.0050	0.0488	< 0.0010	0.082	-	0.0023	1.73	_
EV_LC1	EV_LC1_WS_2022-05_MON_N	2022-05-05	-	-	-		7.99		21 905				609							< 0.0050	< 0.0250	< 0.0050	< 0.050		0.0079		
EV_LC1	EV_LC1_WS_2022-06_MON_N	2022-06-08	-	-	-		8.15		24 1010				686						86.9	< 0.0050	0.667	0.101	0.062	-	0.0038		
EV_LC1	EV_LC1_WS_2022-Q3_N	2022-07-06	-	-	-		7.93		48 954				647				7.5		72.8	< 0.0050	0.0281	< 0.0050	0.179	-	0.0073		
EV_LC1 EV LC1	EV_LC1_WS_2022-08_MON_N EV_LC1_WS_SESMP_2022_08_N	2022-08-08 2022-08-12	-	-	-		8.06		36 991 34 929				671			< 0.250			83.4 78.3	< 0.0050 < 0.0050	0.067 0.0548	< 0.0050 < 0.0050	0.084		0.0037 0.0041		
EV_LC1	EV LC1_WS_SESMP_2022_06_N EV LC1_WS_2022-09_MON_N	2022-09-07	-	-	-		7.65		27 1020				730	< 1.0		< 0.250			71.1	< 0.0050	0.0546	< 0.0050	0.062	-	0.0041		
EV LC1	EV LC1 WS 2022-09 MON N	2022-10-03	-	-	-		7.79		36 1010				1 727	< 1.0		0.054			63.3	< 0.0050	0.0053	< 0.0030	0.052	-	0.0023		
EV LC1	EV ER5 WS 2022-Q4 N	2022-10-03	-	-	-		7.89		36 1010				693						68	< 0.0050	0.0353	< 0.0050	< 0.050	-	0.003		
EV_LC1	EV_ER7_WS_2022-Q4_N	2022-10-03	-	-	-		5.41		0.50 < 2.0				0 < 1.0			< 0.050		< 0.020	< 0.30	< 0.0050	0.0158	< 0.0010	< 0.050	-	< 0.0020) < 0.5
EV_LC1	EV_LC1_WS_2022-11_MON_N	2022-11-09	-	-	-		8.1		40 869				1 624						62.1	< 0.0050	0.0256	< 0.0010	0.061	-	0.0029		
EV_MC2	EV_MC2_WS_2022-01-06_N-SRF	2022-01-06	-	-	-		8.17	2	96 538	< 1.	348	0.4	212	< 1.0	< 1.0	< 0.050	3.46	0.102	122	0.0165	0.945	0.0011	0.065		0.0065	0.65	0.57

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	Parame	eters			P	hysical Pa	rameter	s				Diss	olved Ino	rganics					Nutrient	s				
											olids	lids												-			uo	Carbon
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Field ORP	Hd	Hardness	Conductivity	Total Suspended S	Total Dissolved So	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carb	Dissolved Organic
Location	ID	(yyyy-mm-dd)	С	pH F	mg/L	μS/cm	mV	pH _ =	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Minimum Maximur	Acute Chronic			Maximur			Acute Chronic		Acute	Curonic				Acute Chronic	Acute	Chronic	Acute	Acute	Acute Chronic			Chronic		
BC WQG FWAL			n/a	6.5 9	1 5	n/a	n/a 6	5.5 9	n/a	n/a	25 5	n/a	8 2	2 n/a	n/a	n/a	n/a	600 150	0.4- a	128-429°	0.681-28.7 ^b 0.102-2.08 ^b	^b 32.8 3.7	0.06-0.60° 0.02-0.20°	n/a	n/a	0.015	n/a	n/a
Elkview Operation EV MC2	EV MC2 WS 2022-01-17 N-SRF	2022-01-17	-	_	- 1	-		8.31	273	516	7.6	332	1 72	2 209	3.1	< 1.0	< 0.050	2.79	0.105	118	0.0089	0.781	0.001	0.277	l -	0.0088	0.97	0.76
EV_MC2	EV MC2 WS 2022-01-17 N-SRF	2022-01-17	-	-	-	-		8.18	292	541	1.5	402	0.51		< 1.0	< 1.0	< 0.050		0.103		0.0069	0.761	0.001	0.277	-	0.0088	0.76	0.76
EV_MC2	EV_MC2_WS_2022-01-31_N-SRF	2022-01-31	-	-	-	-		8.18	278	550	< 1.0	398	0.99		< 1.0	< 1.0	< 0.050		0.102		< 0.0050	0.906	< 0.0010	0.149	-	0.007	1.32	1.22
EV_MC2	EV_MC2_WS_2022_Q1_WK0_N	2022-02-01	-	-	-	-		8.12	325	599	< 1.0	312	0.23		< 1.0	< 1.0	< 0.050		0.112		0.006	1.65	0.001	0.142	-	0.0075	1	1.44
EV_MC2	EV_MC2_WS_2022-02_MON_N	2022-02-08	-	-	-	-	-	8.44	326	555	1.1	378	0.34		7.3	< 1.0	< 0.050		0.133		< 0.0050	0.842	< 0.0010	0.202	-	0.0051	0.77	0.87
EV_MC2 EV MC2	EV_MC2_WS_2022-02-14_N-SRF EV_MC2_WS_2022_Q1_WK1_N	2022-02-14 2022-02-15	-	-	-	-	-	8.4 8.29	299 347	592 626	< 1.0 1.1	391 416	0.34		4.4 1.1	< 1.0 < 1.0	< 0.050		0.136		< 0.0050 0.0114	1.04 1.48	0.001 0.0012	0.181	-	0.0028	0.54	0.57
EV_MC2	EV MC2 WS 2022 Q1 WK2 N	2022-02-13	-	-	-	-	-	8.2	434	788	2.4	526	0.25		< 1.0	< 1.0	0.076	9.12	0.142		0.0052	1.78	0.0012	0.267	-	0.0035	0.66	0.63
EV_MC2	EV_MC2_WS_2022-02-28_N-SRF	2022-03-01	-	-	-	-	-	8.14	332	570	2.4	391	0.45		< 1.0	< 1.0	< 0.050		0.106		< 0.0050	0.944	0.0012	0.257	-	0.004	< 0.50	< 0.50
EV_MC2	EV_MC2_WS_2022_Q1_WK3_N	2022-03-01	-		-	-	-	8	307	568	2.6	380	2.98		< 1.0		< 0.050		0.104		< 0.0050	0.993	0.0011	0.121	-	0.0047	0.76	0.73
EV_MC2	EV_MC2_WS_2022_Q1_WK4_N	2022-03-08	-	-	-	-		7.98	321	567	1.2		0.48		< 1.0					138	0.0333	0.904	0.0035	0.341	-	0.0053	_	_
EV_MC2 EV MC2	EV_MC2_WS_2022-03-14_N-SRF EV_MC2_WS_2022_Q1_WK5_N	2022-03-14 2022-03-15	-	-	-	-		8.04 8.21	286 316	599 598	1.4	436 385	0.55		< 1.0 < 1.0	< 1.0 < 1.0	< 0.050		0.132		< 0.0050 0.0148	1.3	0.001 0.0011	0.556	-	0.0028	0.7	0.73
EV_MC2	EV MC2 WS 2022-03 MON N	2022-03-15	-	-	-	-		8.13	331	583	1.9	383	0.77		< 1.0	< 1.0	< 0.050		0.107		< 0.0050	0.93	< 0.0011	0.342	-	0.0033	0.98	0.85
EV_MC2	EV_MC5_WS_2022-03_MON_N	2022-03-16	-	-	-	-		8.16	324	588	2.3	366	0.91		< 1.0				0.109		< 0.0050	0.941	< 0.0010	0.129	-	0.0046		0.94
EV_MC2	EV_MC2_WS_2022-03-21_N-SRF	2022-03-21	-	-	-	-		8.31	321	592	2.6	343	0.97		1.4	< 1.0	< 0.050		0.147		< 0.0050	0.942	0.0036	0.121	-	0.0026	0.84	0.78
EV_MC2	EV_MC2_WS_2022-03_WEK13_N	2022-03-22	-	-	-	-		8.23	320	635	1.7	381	1.5		< 1.0	< 1.0	0.081	6.97	0.141		0.0054	0.983	0.0023	0.195	-	0.0086	1.1	0.99
EV_MC2 EV MC2	EV_MC5_WS_2022-03_WEK13_N EV_MC2_WS_2022-03-28_N-SRF	2022-03-22 2022-03-28	-	-	-	-		8.24 8.23	315 268	601 519	1.6 5.4	398 335	1.38 4.19		< 1.0 < 1.0	< 1.0 < 1.0	< 0.050	6.62	0.14		< 0.0050 < 0.0050	0.947 1.12	0.0022 0.0016	0.13 0.146	-	0.0045 0.0058	0.91 1.73	0.75 1.41
EV_MC2	EV MC2 WS 2022-03-28 N-SRF 1	2022-03-28	-	-	-	-		8.25	308	522	6	333	3.71		< 1.0	< 1.0	< 0.050		0.102		< 0.0050	1.21	0.0010	-	-	0.0036	-	- 1.41
EV_MC2	EV_MC2_WS_2022-03_WEK14_N	2022-03-29	-	-	-	-		7.98	265	506	7	345	6.29		< 1.0		< 0.050		0.126		0.0052	1.13	< 0.0010	0.306	-	0.014	2.02	1.52
EV_MC2	EV_MC5_WS_2022-03_WEK14_N	2022-03-29	-		-	-		7.96	275	506	6.9	330	5.84		< 1.0	< 1.0	< 0.050		0.127		< 0.0050	1.14	0.0012	0.242	-	0.0126	1.87	1.36
EV_MC2	EV_MC2_WS_2022-04-04_N-SRF	2022-04-04	-	-	-	-		7.62	262	497	2.3	308	3.05		< 1.0	< 1.0	< 0.050		0.103		< 0.0050	0.81	0.0012	0.094	-	0.0071	1.72	1.78
EV_MC2 EV MC2	EV_MC2_WS_2022-04_WEK15_N EV_MC5_WS_2022-04_WEK15_N	2022-04-05 2022-04-05	-	-	-	-		8.15 8.22	284 300	603 561	2.5	374 361	2.53		< 1.0 < 1.0	< 1.0 < 1.0	< 0.050 < 0.050		0.103		< 0.0050 < 0.0050	1.5 1.18	0.0011 0.0017	0.196 0.15	-	0.0062 0.0065	1.7 1.68	1.74
EV_MC2	EV MC2 WS 2022-04-WER13 N	2022-04-03	-	-	-	-	-	8.2	272	526	3.4	330	1.77		< 1.0	< 1.0	< 0.050		0.132		0.0053	1.10	< 0.0017	-	-	0.0035	1.00	1.0
EV MC2	EV MC2 WS 2022-04-11 N-SRF	2022-04-11	-	-	-	-	-	8.17	287	513	< 1.0		2.06		< 1.0				0.127		< 0.0050	1.2	< 0.0010	0.203	-	0.0052	1.57	1.5
EV_MC2	EV_MC2_WS_2022-04-11_N-SRF_1	2022-04-11	-	-	-	-	-	7.82	273	527	< 1.0	345	1.05	219	< 1.0	< 1.0	< 0.050		0.132		0.0077	1.23	0.002	-	-	0.0049	-	-
EV_MC2	EV_MC2_WS_2022-Q2_N	2022-04-12	-	-	-	-	-	8.3	278	555	2.4	352	0.94		1.8	< 1.0	< 0.050		0.11		< 0.0050	1.37	0.0013	0.219	-	0.0056	1.71	1.51
EV_MC2 EV MC2	EV_MC2_WS_2022-04-12_N-SRF EV_MC2_WS_2022-04-13_N-SRF	2022-04-12 2022-04-13	-	-	-	-		8.06 7.63	292 296	537 573	2.6	486 414	1.19		< 1.0 < 1.0	< 1.0 < 1.0	< 0.050		0.14		< 0.0050 < 0.0050	1.34 1.76	< 0.0010 < 0.0010	-	-	0.0047	-	-
EV_MC2	EV MC2 WS 2022-04-13 N-SRF	2022-04-13	- 1	-	-	-		8.18	290	565	29.6	299	3.88		< 1.0	< 1.0	< 0.050		0.122		< 0.0050	1.76	< 0.0010	-	-	0.0037	-	+=
EV_MC2	EV_MC2_WS_2022-04-15_N-SRF	2022-04-15	1	-	-	_		8.23	292	562	3.1	323	1.26		< 1.0	< 1.0	< 0.050		0.131		< 0.0050	1.36	< 0.0010	-	-	0.0044	-	-
EV_MC2	EV_MC2_WS_2022-04-16_N-SRF	2022-04-16	-	-	-	-	-	8.16	287	552	3.2	364	1.83		< 1.0	< 1.0	< 0.050		0.126		0.005	1.33	0.001	-	-	0.0034	-	-
EV_MC2	EV_MC2_WS_2022-04-17_N-SRF	2022-04-17	-	-	-	-		8.19	276	529	3.6	384	2.25		< 1.0				0.124		0.0058	1.2	0.0011	- 0.200	-	0.0027	- 1.06	- 110
EV_MC2 EV MC2	EV_MC2_WS_2022-04-18_N-SRF EV_MC2_WS_2022-04-18_N-SRF_1	2022-04-18 2022-04-18	-	-	-	-	-	8.17	302	564	2.8	350	1.05	217	< 1.0	< 1.0	< 0.050	3.95	0.131	130	0.0052	1.5	0.0011	0.399	-	0.0044	1.26	1.18
EV_MC2	EV_MC2_WS_2022-04-16_N-SRF_1 EV_MC2_WS_2022-04_WEK17_N	2022-04-18	- 1	-	-	-	-	8.16	288	559	2.7	375	1.95	224	< 1.0	< 1.0	< 0.050	4.58	0.127	125	< 0.0050	1.4	< 0.0010	0.172	-	0.0043	1.5	1.97
EV_MC2	EV_MC5_WS_2022-04_WEK17_N	2022-04-19	-	-	-	-		8.19	294	576	2.5	372	1.6	_	< 1.0	< 1.0	< 0.050		0.126		< 0.0050	1.43	0.0013	0.152	-	0.0051	1.47	1.87
EV_MC2	EV_MC2_WS_2022-04-19_N-SRF	2022-04-19	-	-	-	-	-	7.71	306	571	3.6	357	3.35	224	< 1.0	< 1.0	< 0.050	5.72	0.1	118	< 0.0050	1.54	< 0.0010	-	-	0.0036	-	
EV_MC2	EV_MC2_WS_2022-04-20_N-SRF	2022-04-20	-	-	-	-		8.25										4.56			0.0052	1.53	< 0.0010	-	-	0.0029		_
EV_MC2	EV_MC2_WS_2022-04-21_N-SRF	2022-04-21	-	-	-				291									3.09			0.007	1.27	< 0.0010 < 0.0010	-	-	0.0022		-
EV_MC2 EV MC2	EV_MC2_WS_2022-04-22_N-SRF EV_MC2_WS_2022-04-23_N-SRF	2022-04-22 2022-04-23	-	-	-	-		8.28 8.33	289 311	547 566	2.8			3 231 3 224				4.56		115 127	< 0.0050 < 0.0050	1.49 1.48	0.0010	-	-	< 0.0020 0.0039		-
EV_MC2	EV MC2 WS 2022-04-24 N-SRF	2022-04-23	-	-	-	-		8.18	350	649	3			240						149	< 0.0050	1.98	< 0.0010	-	-	0.0039		-
EV_MC2	EV_MC2_WS_2022-04-25_N-SRF_1	2022-04-25	-	-	-		-	-	-	-	-		-			-	-	-	-		-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-25_N-SRF	2022-04-25	-	-	-	-		8.26	272	494				216			< 0.050			99.8	< 0.0050	1.14	< 0.0010	0.189	-	0.0067		1.9
EV_MC2	EV_MC2_WS_2022-04-26_N-SRF	2022-04-26	-	-	-	-	-	8.04	260	500				212	< 1.0	< 1.0				106	< 0.0050	1.22	0.0024	-	-	0.0074	+	-
EV_MC2 EV MC2	EV_MC2_WS_2022-04-26_N-SRF_P EV_MC2_WS_2022-04-26_N-SRF_UP	2022-04-26 2022-04-26	-	-	-	-	-	-	-	-	-	-	-	_	 -	 -	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV MC2 WS 2022-04-26 N-SRF_UP EV MC2 WS 2022-04 WEK18 N	2022-04-26	-	-	-	-	-	- 8.16	259	460		- 276			< 1.0	< 1.0	< 0.050	3.18	0 103	95.2	< 0.0050	1	< 0.0010	0.254	-	0.0103	2 41	2.32
L V_IVICZ	LV_IVIOZ_VV 3_Z0ZZ-U4_VV EN 10_IV	2022-04-20		-		-		J. 1U	۷,59	400		210	J.5Z	- Z IZ	\ 1.0	\ 1.0	~ 0.030	, 3.10	0.103	3J.Z	~ 0.0000		~ 0.0010	0.204		0.0103	4.41	2.32

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	Parame	eters			Physical P	aramete	rs		1		Disse	olved Inor	ganics					Nutrient	s				
																	J										
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Ha	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pH	mg/L	μS/cm m	V pH	mg/	L μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a	G Maximum	Acute م ۲ Chronic	n/a n/	Winiminima a 6.5	n/a	n/a	5 Acute Chronic	n/a	α Acuteδ Chronic	n/a	n/a	n/a	n/a	Acute Chronic	Acute	Ohronic	O.681-28.7 ^b 0.102-2.08	Acute Chronic	Acute Chronic	n/a	n/a	Chronic Chronic	n/a	n/a
Elkview Operation			11/4	0.5 5	1 3	11/4 11/	a 0.0	J II/a	11/4	20 0	11/a	0 2	11/4	11/4	11/4	11/G	000 100	0.4-	120-423	0.001-20.7 0.102-2.00	0 02.0 0.7	0.00-0.00 0.02-0.20	11/4	11/4	0.013	11/a	TI/G
EV MC2	EV MC5 WS 2022-04 WEK18 N	2022-04-26	-	- 1	-	- -	8.18	245	462	9.5	282	6.52	202	< 1.0	< 1.0	< 0.050	3.27	0.105	96.1	< 0.0050	1.01	< 0.0010	0.2	-	0.0127	2.27	2.21
EV_MC2	EV_MC2_WS_2022-04-27_N-SRF	2022-04-27	-	-	-		8.35			10.4		7.94		2.8	< 1.0	< 0.050	1.98	0.072		< 0.0050	0.81	< 0.0010	-	-	0.0075	-	-
EV_MC2	EV_MC2_WS_2022-04-27_N-SRF_P	2022-04-27	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-27_N-SRF_UP	2022-04-27	- [-		- -	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-28_N-SRF	2022-04-28	-	-	-		8.1	228		7.8	291	4.79		< 1.0	< 1.0	< 0.050	2.13	0.122		< 0.0050	0.793	< 0.0010	-	-	0.0075	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-04-29_N-SRF EV_MC2_WS_2022-04-30_N-SRF	2022-04-29	-	-	-		8.23 7.99			7.9		4.84 5.34		< 1.0 < 1.0	< 1.0 < 1.0	< 0.050 < 0.050	5.4 5.86	0.098	89 104	< 0.0050 < 0.0050	1.22	< 0.0010 < 0.0010	-	-	0.0073	-	-
EV_MC2	EV MC2 WS 2022-04-30 N-SRF	2022-04-30 2022-05-01		-	-		7.98			7.9	325 322	4.56		< 1.0	< 1.0	< 0.050	6.83		104	< 0.0050	1.33	0.0010	-	-	0.005		+ -
EV_MC2	EV MC2 WS 2022-05-01 N-SRF P	2022-05-01		-	-		7.50	- 200	301	-	- 322	-	- 203	- 1.0	- 1.0	- 0.030	-	0.121	-	- 0.0030	-	-	-	-	0.0034	-	+ :
EV MC2	EV MC2 WS 2022-05-01 N-SRF UP	2022-05-01	-	-	-	- 1 -	-	_	-	-	-	-	-	-	-	-	-	-	-	_	-	-	-	-	_	-	-
EV_MC2	EV_MC2_WS_2022-05-02_N-SRF	2022-05-02	-	-	-		8.27	205	408	7.1	306	6.48	184	< 1.0	< 1.0	< 0.050	2.12	0.109	78.3	< 0.0050	0.734	0.0012	0.209	-	0.013	2.46	2.28
EV_MC2	EV_MC2_WS_2022-05-02_N-SRF_1	2022-05-02	-	-	-	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-03_N-SRF	2022-05-03	-	-	-		8.11	_	_	28.2		12.8		< 1.0	< 1.0	< 0.050	4.17		84.8	< 0.0050	0.965	< 0.0010	-	-	0.0079	-	-
EV_MC2	EV_MC2_WS_2022-05_MON_N	2022-05-03	-	-	-		8.44			20.6		9.21		2.9	< 1.0		1.98		71.3	0.0081	0.64	< 0.0010	0.27	-	0.0287		
EV_MC2	EV_MC2_WS_2022-05-04_N-SRF	2022-05-04	-	-	-		8.19	_		71.5		30.2		< 1.0	< 1.0	< 0.050	1.5		55.1	0.0115	0.526	0.001	-	-	0.0141	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-05-05_N-SRF EV_MC2_WS_2022-05-06_N-SRF	2022-05-05 2022-05-06	-	-	-		7.98			67.6 238	275 179	36.6 141		< 1.0 < 1.0	< 1.0 < 1.0	< 0.050 < 0.050	3.69 0.86		65.5 30.4	< 0.0050 0.0055	0.811	< 0.0010 0.0018	-	-	0.0198	-	-
EV_MC2	EV MC2 WS 2022-05-07 N-SRF	2022-05-07		-	-		8.05	113		71.7		39.3		< 1.0	< 1.0	< 0.050	2.81		46.5	< 0.0050	0.624	< 0.0010	-	-	0.389 0.0361	-	+ -
EV MC2	EV MC2 WS 2022-05-07 N-SRF	2022-05-08	-	-	-		8.1	166		33	249	21.7		< 1.0	< 1.0	< 0.050	3.1		52.5	< 0.0050	0.693	< 0.0010	-	-	0.035	-	+
EV MC2	EV MC2 WS 2022-05-09 N-SRF	2022-05-09	-	-	-	- -	8.07	162	_	22.9		7.92		< 1.0	< 1.0	< 0.050	2.69		55.5	0.0074	0.632	< 0.0010	0.146	-	0.0214		3.3
EV_MC2	EV_MC2_WS_2022-05-10_N-SRF	2022-05-10	-	-	-		8.01	194		12.3		8.56		< 1.0	< 1.0	< 0.050	4.78		73.7	< 0.0050	0.96	0.0015	-	-	0.0142	-	-
EV_MC2	EV_MC2_WS_2022-05-11_N-SRF	2022-05-11	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.49	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05_WEK20_N	2022-05-11	-	-	-		8.16	_		9.1	274	3.17		< 1.0	< 1.0	< 0.050	1.68		54.3	< 0.0050	0.549	< 0.0010	0.261	-	0.0149	3.13	3.26
EV_MC2	EV_MC5_WS_2022-05_WEK20_N	2022-05-11	-	-	-		8.19	179	338	9.4	288	4.53	158	< 1.0	< 1.0	< 0.050	1.53	0.087	53.3	0.0216	0.546	< 0.0010	0.24	-	0.0181	2.93	2.89
EV_MC2	EV_MC2_WS_2022-05-12_N-SRF	2022-05-12	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.626 0.611	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC10_WS_2022-05-12_N-SRF EV_MC2_WS_2022-05-13_N-SRF	2022-05-12 2022-05-13	-	-	-		-	-	-	 -	-	-	+-	-	-	-	-	-	-	-	0.589	-	-	-	-	-	-
EV MC2	EV MC10 WS 2022-05-13 N-SRF	2022-05-13	1 - 1	-	-		<u> </u>	+ -	+ -	-	+ -	 -	+ :	-	1 -	-		-	-	-	0.59	-	-	-	+ -	-	+ -
EV MC2	EV MC2 WS 2022-05-14 N-SRF	2022-05-14	-	-	-		_	-	-	-	-	-	-	-	-	-	-	-	-	-	0.598	-	-	-	-	-	-
EV MC2	EV MC10 WS 2022-05-14 N-SRF	2022-05-14	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.597	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-15_N-SRF	2022-05-15	- 1	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.626	-	-	-	-	-	-
EV_MC2	EV_MC10_WS_2022-05-15_N-SRF	2022-05-15	-	-	-		-		-	-	-	-	-	-	-	-	-	-	-	-	0.623	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-16_N-SRF	2022-05-16	-	-	-			171	335	5.2	198	3.4	159	< 1.0	< 1.0		1.79	0.11		< 0.0050	- 0.000	< 0.0010	0.098	-	0.0135		
EV_MC2 EV MC2	EV_MC2_WS_2022-05-16_N-SRF_1	2022-05-16	-	-	-		- 0 1/	475	- 225	- 50	- 040	2 25	150	- 10	- 4.0	- - 0.050	1.06	- 0.112	- 60.4	- 0.0060	0.602	- 0.0010	- 0.127	-	- 0.0121	2.52	2 72
EV_MC2 EV MC2	EV_MC10_WS_2022-05-16_N-SRF EV_MC2_WS_2022-05_WEK21_N	2022-05-16 2022-05-17		-	-		8.14 8.26			5.8 38.4		3.25 12.1		< 1.0 < 1.0	< 1.0 < 1.0	< 0.050 < 0.050	1.96 1.68	0.113	60.4 45.4	0.0069 0.0118	0.598 0.579	< 0.0010 0.0074	0.127	-	0.0121 0.0626	2.53 3.08	2.73
EV MC2	EV MC5 WS 2022-05 WEK21 N	2022-05-17		-	-		8.23			40.1		18.9		< 1.0	< 1.0		1.61		45.7	< 0.0050	0.489	0.0074	0.175	-	0.0620	3.03	
EV MC2	EV MC2 WS 2022-05-17 N-SRF	2022-05-17	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.387	-	-	-	-	-	-
EV_MC2	EV_MC10_WS_2022-05-17_N-SRF	2022-05-17	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.382	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-18_N-SRF	2022-05-18	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.456	-	-	-	-	-	-
EV_MC2	EV_MC10_WS_2022-05-18_N-SRF	2022-05-18	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.387	-	-	-	-	-	┷
EV_MC2	EV_MC2_WS_2022-05-19_N-SRF	2022-05-19	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.39	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-20_N-SRF	2022-05-20	-	-	-		-	-		-	-	-	-	-	-	-	-	-	-	-	0.5	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-02-21_N-SRF EV_MC2_WS_2022-05-22_N-SRF	2022-05-21 2022-05-22	-	-	-		_	-	-	-	-	-	-	-	-	-	-	-	-	-	0.609 0.614	-	-	-	-	- -	-
EV_MC2	EV_MC2_WS_2022-05-22_N-SRF EV_MC2_WS_2022-05-23_N-SRF	2022-05-22	-	-	-		8.15			2.4	208		154	< 1.0		< 0.050	1.6		64	< 0.0050	0.614	0.0017	0.106	-	0.0117	2.04	
EV MC2	EV MC2 WS 2022-05-25 N-SKI	2022-05-24	-	-	-		8.18			4.6	210		153	< 1.0		< 0.050			58.2	< 0.0050	0.713	< 0.0017	0.079	-	0.0117	2.04	2.27
EV MC2	EV MC5 WS 2022-05 WEK22 N	2022-05-24	-	-	-		8.17			4.6						< 0.050			57.9	< 0.0050	0.649	0.0012	0.072	-	0.0143		
EV_MC2	EV_MC2_WS_2022-05-24_N-SRF	2022-05-24	-	-	-		-	-	-	-	-	-		-	-	-	-	-	-	-	0.602	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-25_N-SRF	2022-05-25	-	-	-		-	-		-	-	-	-	-		-	-	-	-	-	0.473	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-26_N-SRF	2022-05-26	-	-	-	- -	-	-		-	-	-	-	-	-	-	-	-	-	-	0.432	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

Sempto S					Field	l Param	eters			Ph	ysical Pa	rameters	;		1		Disso	lved Inor	ganics					Nutrient	S				
State Stat				erature)xygen	ıctivity				>	ended Solids	lved Solids									ltrogen	nego	gen	rogen-N	phate	s, Total	ic Carbon	Organic Carbon
BENDET FUND. Fig.	Sample	Sample	Sample Date	Field Temp	pH (fiel	Dissolved (_			Hardness	Conductivit			Turbidity	Bicarbonat	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia N	Nitrate Nitr	Nitrite Nitro	Kjeldahl Nit	Ortho-Phos	Phosphoru	ŏ	Dissolved (
Beach Color Colo	Location	ID	(yyyy-mm-dd)	С	pH	mg/L	μS/cm n	ıV pl	l n	ng/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Company Comp					Minimum Maximun	Acute Chronic		Minimum	Maximun			Acute Chronic		∢ ∪					ďυ	Acute	Chronic	Acute	Act	Acute			Chronic		
Decoration Process P				n/a	6.5 9	1 5	n/a n	/a 6.5	9	n/a	n/a	25 5	n/a	8 2	n/a	n/a	n/a	n/a	600 150	0.4- ^a	128-429°	0.681-28.7° 0.102-2.08°	32.8 3.7	0.06-0.60° 0.02-0.20°	n/a	n/a	0.015	n/a	n/a
West		EV MC2 WS 2022-05-27 N-SRE	2022-05-27	I _ I		١.						T -	I _	Т.	T _		l _	_	l <u>.</u>	l _	I _		0.366	T -		_	1 _	T _	
C May C May Ma				-	-		-			-			-		-			-			-						-		-
P W P P P P P P P P				-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	0.356	-	-	-	-	-	-
F MC2 F				-	-	-	-	- 8.1	3	137	285	19	172	12.1	131	< 1.0	< 1.0	< 0.050		1	+			1				2.81	2.74
PY MCS PY MCS MPS (2006) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				-	-	-	-		4	152	- 200	17.6	101	- 9.2	122	- 10	- 10	- 0.050										2.02	2.51
EV MC2				-		-			_																				2.41
EV WC2				-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-		-	-				-
EV MC2				-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
EV MC2				-							-				-	-					+								-
EV MC2				+											-						+								-
EV MC2 EV MC2 WS 2022-666				+			-						-	-	-		<u> </u>			1	+								-
EV MG2 EV MG2 WG 2002-06 MON.N 2022-06-07				-	-	-	-	- 7.9	3	112	240	93.8	168	33.3	115	< 1.0	< 1.0	< 0.050	0.74	0.104	32.5	0.0099		< 0.0010	0.335	-		6.23	2.27
EV MC2 EV MC2 WS 2022-06-07				-	-	-	-		_																	-			2.39
EV MC2									_																				2.32
EV MC2 EV MC2 WEX 2022-06-80 NSFF 2022-06-80 NSFF 2022-06-10 N				-					_		236			_	120	< 1.0								1					2.64
EV MC2 EV MC2 WC2 (2026-60) N-SRF 2022-06-10				-											-		-	1			+						_	_	-
EV MC2 EV MC2 WS 2022-06-11 N-SRF 2022-06-12				-	-	-	-			-	-	-	-	-	-	-	-	-		-	-	-		-	-	-	-	-	-
EV.MC2				-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
EV.MC2 EV.MC2 WS 2022-08 IPKS N 2022-06-13 8.09 112 233 92.9 147 33.8 I19 < 1.0 < 1.0 < 1.0 < 0.090 1.01 0.082 28.7 0.005 0.325 < 0.0010 0.289 - 0.669 27.2 2 EV.MC2 WS 2022-08 IPKS N 2022-06-13				-		-	 			-	-		-	-	-	-	-	1			-	-							-
EV MC2 EV MC2 WS 2022-06 WEC2 N 2022-06-13 7.77 112 225 86.6 145 85.4 116 < 1.0 < 1.0 < 0.050 106 0.088 29.4 < 0.0050 0.331 0.0012 0.233 - 0.17 5.99 2 EV MC2 EV MC5 WS 2022-06-18 N 2022-06-14 7.88 109 229 91.1 170 60.7 114 1.0 < 1.0 < 0.050 108 0.088 29.4 < 0.0050 0.331 0.0012 0.233 - 0.16 64.7 2 EV MC2 EV MC2 WS 2022-06-14 NSFF 2022-06-14				-		-	-			- 110	-		- 117	22.0	- 110	- 10	- 10				- 20.7	- 0.006							2.15
EV MC2 EV MC2 WS 2022-06-14						-																							2.15
EV MC2 EV MC2 WS 2022-06-14 N-SRF 2022-06-14				-	-	-	-		_					_													_		2.42
EV MC2 EV MC2 WS 2022-06-16 N-SRF 2022-06-16	EV_MC2	EV_MC2_WS_2022_Q2_WK5_N	2022-06-14	-	-	-	-	- 8.0	8	120	238	64.3	164	35.2	120	< 1.0	< 1.0	< 0.050	1.42	0.083	28.9	0.0052	0.326	0.0011	0.173	-	0.0518	4.55	3.39
EV MC2				-	-	-				-	-	-	1	-	-	-	-	-	-	-	+					-			-
EV MC2 EV MC2 WS 2022-06-18 N-SRF 2022-06-18				-	-	-		- -		-	-	-		+ -	+ -	-	-	-	-	-	+					-	_	_	-
EV MC2				+ - 1		-	+ - +	- -		-		 	+ -	+-	+-	-	+ -	H	-	+ -	+-						_		-
EV MC2				-	-	-				-	-	-	-	† -	† -	-	-	-	-	-	-			1			_		-
EV MC2	EV_MC2	EV_MC2_WS_2022-06-19_N-SRF	2022-06-19	-	-	-	-			-	-	-		-	-	-	-	-	-	-		-				-	_	-	-
EV MC2				-			-	_		131	256			_		< 1.0				_	_								2.33
EV MC2				-					_	133	260					- 1 0													2.28
EV MC2				+ - 1					_					_															
EV MC2				-			 	_			-			_		-													-
EV_MC2 EV_MC2_WS_2022-06-25_N-SRF 2022-06-25 -			2022-06-23	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_MC2				+										_	 -	-	-	1		-	+						_	_	-
EV_MC2											-			_						-									-
EV MC2 EV MC2 WS 2022-06-28 N-SRF 2022-06-28 -											353					< 1 0													
EV_MC2 EV_MC2_WS_2022-06_WEK27_N 2022-06-28 -																													-
EV_MC2 EV_MC2_WS_2022-06-29_N-SRF 2022-06-29_N-SRF 2022-06-29_N-SRF 2022-06-29_N-SRF -		EV_MC2_WS_2022-06_WEK27_N																											
EV_MC2 EV_MC2_WS_2022-06-30_N-SRF 2022-06-30_N-SRF 2022-06-30_N-SRF 2022-07-01_N-SRF 2022-07-01_N-SRF<								_																					2.25
EV MC2																													-
				+ +																							_		-
EV MC2 EV MC2 WS 2022-07-02 N-SRF 2022-07-02 - - - - - - - - -	EV MC2	EV MC2 WS 2022-07-01 N-SRF	2022-07-02	-	-	-				-	-	-	-	-	-	-	-	-	-	-	-	-	0.544	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

							1								Disso												
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Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	на	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pН	mg/L	μS/cm mV	pН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a 6	Minimum 6.5.3	- Acute	n/a n/a	6.5 Maximum	n/a	n/a	52 Acute 57 Chronic	n/a	AcuteChronic	n/a	n/a	n/a	n/a	Acute Chronic	o.4-	20 Chronic 128-429	9 50 50 50 50 50 50 50 50 50 50 50 50 50	Acute Acute Same 32.8 3.7	O.00-0.60° 0.02-0.20°	n/a	n/a	Chronic 0.015	n/a	n/a
Elkview Operation	5V MOO WO 0000 07 00 N 005	2022 27 22				1	1				1	1			1		1	1	1	T	0.574		1 1	1			
EV_MC2 EV MC2	EV_MC2_WS_2022-07-03_N-SRF EV_MC2_WS_2022-07-04_N-SRF	2022-07-03 2022-07-04	-	-	-		8.33	187	261	5.8	175	2.56	157	< 1.0	< 1.0	< 0.050	2.32	0.1	- 54.6	< 0.0050	0.571	0.0012	0.072	-	0.0136	1.3	1.29
EV_MC2	EV MC2 WS 2022-07-04 N-SRF	2022-07-04		-	-		8.29	161	312	5.8	220	3	145	1.3	< 1.0	< 0.050	1.52	0.106		0.0088	0.031	< 0.0012	0.072		0.0136	1.51	1.29
EV_MC2	EV MC2 WS 2022-07-05 N-SRF	2022-07-05	- +	-	-		-	-	-	-	-	-	-	-	- 1.0	- 0.030	-	-	-	-	0.508		-		- 0.0143	-	1.57
EV MC2	EV MC2 WS 2022-07-06 N-SRF	2022-07-06	-	-	-	- -	-	-	-	-	-	T -	-	-	<u> </u>	-	-	-	-	-	0.579	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-07-07 N-SRF	2022-07-07	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.617	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-08_N-SRF	2022-07-08		-	-		-		-	-	-	-		-	-		-				0.627	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-09_N-SRF	2022-07-09	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.761	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-10_N-SRF	2022-07-10	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.735	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-11_N-SRF	2022-07-11	-	-	-		8.31	225	424	2.9	228	1.31	180	1.4	< 1.0	< 0.050	4.35	0.149		< 0.0050	0.9	0.0013	0.191	-	0.0077	1.32	
EV_MC2	EV_MC2_WS_2022-07_WEK29_N	2022-07-12	-	-	-		7.72	202	382	2.8		1.58		< 1.0			1.93		65.5	0.0059	0.586	< 0.0010	0.104	-	0.0064		
EV_MC2 EV MC2	EV_MC5_WS_2022-07_WEK29_N	2022-07-12	-	-	-		7.62	197	378	2.7	251	0.74	212	< 1.0	< 1.0	< 0.050	1.83	0.111		< 0.0050	0.6 0.692	< 0.0010	0.17	-	0.0075	0.96	1.12
EV_MC2 EV_MC2	EV_MC2_WS_2022-07-12_N-SRF EV_MC2_WS_2022-07-13_N-SRF	2022-07-12 2022-07-13	-	-	-		-	-	-	-	-	-	-		-	-	-	-	-	-	0.692	-	-	-	-	-	-
EV_MC2	EV MC2 WS 2022-07-13 N-SRF	2022-07-13		-	-		+ -	-		-	-	- -			1	-	-	-	-	-	0.704	-	-		-	+ -	-
EV MC2	EV MC2 WS 2022-07-15 N-SRF	2022-07-15	-	-	-		-	-	-	-	-	-	-		-	-	-	-	-	-	0.682	-	-	-	_	-	-
EV MC2	EV MC2 WS 2022-07-16 N-SRF	2022-07-16	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.855	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-07-17 N-SRF	2022-07-17	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.15	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-18_N-SRF	2022-07-18	-	-	-		8.27	233	451	2.1	311	0.44	214	< 1.0	< 1.0	< 0.050	3.73	0.145	90.4	0.007	1	< 0.0010	0.195	-	0.0067	0.99	1.16
EV_MC2	EV_MC2_WS_2022-07-19_N-SRF	2022-07-19	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.87	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-20_N-SRF	2022-07-20	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.876	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-21_N-SRF	2022-07-21	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.863	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-22_N-SRF	2022-07-22	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.909	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-07-23_N-SRF EV_MC2_WS_2022-07-24_N-SRF	2022-07-23 2022-07-24	-	-	-		-	-	-	-	-	-	-		-	-	-	-	-	-	0.913	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-24_N-SRF EV_MC2_WS_2022-07-25_N-SRF	2022-07-25	-				+ -	-	-	-	-	+-	-		+ -	-	-	-	-	-	1.72	-	-	-	-	-	-
EV_MC2	EV MC2 WS 2022-07-25 N-SRF	2022-07-26	-	-	-		-	-		-	-	-	-			-	_	-	-	-	1.14	-	-		-	+ -	-
EV MC2	EV MC2 WS 2022-07-27 N-SRF	2022-07-27	-	-	-		-	_	-	-	-	-	-		-	-	-	-	-	-	1.5	_	-	-	_	-	-
EV MC2	EV MC2 WS 2022-07-28 N-SRF	2022-07-28	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.09	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-29_N-SRF	2022-07-29		-	-		-		-		-	-		-	-			-	-	=	1.08	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-30_N-SRF	2022-07-30	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-31_N-SRF	2022-07-31	- [-	-	- -	-	-	-	-	-	-	-	-	-		-	-	-	-	1.14	-		-	-	-	
EV_MC2	EV_MC2_WS_2022-08-01_N-SRF	2022-08-01	-	-	-	- -	8.29	237	475	1.4	322	0.32	217	< 1.0	< 1.0	< 0.050	2.48	0.153		0.0229	1.07	< 0.0010	0.132	-	0.004	0.63	0.59
EV_MC2	EV_MC2_WS_2022-08-02_N-SRF	2022-08-02	-	-	-	- -	+ -	-	-	-	-	-	-	-	- -	-	-	-	-	-	1.17	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-08-03_N-SRF EV_MC2_WS_2022-08-04_N-SRF	2022-08-03 2022-08-04	-	-	-		-	-	-	-	-	-	-		-	-	-	-	-	-	1.18 1.54	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-04_N-SRF EV_MC2_WS_2022-08-05_N-SRF	2022-08-04	 +	-	-		+ -	-	-	-	-	-	-	-	+ -	-	-	-	-	-	1.54	-	-	-	-	+ -	+ -
EV_MC2	EV MC2 WS 2022-08-05 N-SRF	2022-08-06		-	-		+ -	-		-	-	-	-		1	-	-	-	-	-	1.64	-	-		-	+ -	+ -
EV_MC2	EV MC2 WS 2022-08-07 N-SRF	2022-08-07	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.55	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-08_N-SRF	2022-08-08	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.67	-	-	-	-	-	T -
EV_MC2	EV_MC2_WS_ 2022-08-09_N-SRF	2022-08-09			-		-	-	ı	-		-	-				-		-	=	1.5	-			-	-	
EV_MC2	EV_MC2_WS_2022-08-10_N-SRF	2022-08-10	-	-			-	-	-	-		-		-	-	-	-	-	-	-	1.56	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08_MON_N	2022-08-10	-	-	-		8.4		709	11.2			250	4.2		0.078			162	0.0089	2.15	0.0022	0.277	-	0.0023	_	_
EV_MC2	EV_MC2_WS_2022-08-11_N-SRF	2022-08-11	-	-	-		-	-	-	-	-	-		-	-	-	-	-		-	1.55	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-12_N-SRF	2022-08-12	-	-	-		-	-	-	-	-	-		-	-	-	-	-	-	-	1.6	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-13_N-SRF	2022-08-13	-	-	-		-	-	-	-	-	-		-	-	-	-	-		-	1.62	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-08-14_N-SRF EV_MC2_WS_2022-08-15_N-SRF	2022-08-14	-	-	-	- -	8.07	- 211	- 589	- 10	- 270	- 0.76		- 10	- 10	- 0.050	2 70	- 0.124	- 145	0.0121	1.63	0.0012	- 0.090	-	0.0036	0.68	0.6
EV_MC2 EV MC2	EV_MC2_WS_2022-08-15_N-SRF EV_MC2_WS_2022-08-16_N-SRF	2022-08-15 2022-08-16	-	-	-		8.07	311	509	< 1.0	-	0.76		< 1.0	\ 1.0	< 0.050	3.79	0.124	145	0.0121	1.66 1.68	0.0012	0.089	-	0.0036	0.00	-
EV_MC2	EV MC2 WS 2022-06-16 N-SRF EV MC2 WS 2022 Q3 WK1 N	2022-08-16	-	-	-			358	630						< 10	< 0.050			149	0.0065	1.86	0.0019	0.239	-		< 0.50	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	Parame	eters			Ph	nysical Pa	rameters	<u> </u>		1		Disso	olved Ino	rganics					Nutrient	S				
			l I						i	,						1	1	1									Т	Ę
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity			Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	рН	mg/L	μS/cm m	ıV pl	1	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a	6.5 Minimum Maximum	L Acute	n/a n	unminim Wa 6.5	Maximum	n/a	n/a	5 Acute Chronic	n/a	ω Acute δ Chronic		n/a	n/a	n/a	Acute	Acute	Chronic	9 4 5 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Acute Chronic	O.06-0.60° 0.02-0.20°		n/a	Chronic 0.015		n/a
Elkview Operation		1														1					ı		1			_		
EV_MC2 EV MC2	EV_MC2_WS_2022-08-17_N-SRF EV_MC2_WS_2022-08-18_N-SRF	2022-08-17 2022-08-18	-	-	-	-			-	-	-	-	+ -	-	-	-	-	-	-	-	-	1.75 1.74	-	-	-	-	-	-
EV_MC2	EV MC2 WS 2022-06-16 N-SRF	2022-08-19	-	-		-		_	-		-	-	+ -	-	-	-	+ -	-	-	-	-	1.75	-	-		-	+ -	-
EV_MC2	EV_MC2_WS_2022-08-20_N-SRF	2022-08-20	- 1	-	-	-	- -	-	-	-	-	-	-	-	-	<u> </u>	<u> </u>	-	-	-	-	1.76	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-21_N-SRF	2022-08-21	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	1.95	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-22_N-SRF	2022-08-22	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	1.78	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-23_N-SRF	2022-08-23	-	-	-	-			-	-	-		-	-	-	-	-	- 7.54	-	-	- 0.0070	1.82	- 0.0004	-	-	-	- 0.70	- 0.70
EV_MC2 EV MC2	EV_MC2_WS_2022_Q3_WK2_N	2022-08-23 2022-08-24	-	-	-	-	- 8.1 		363	637	< 1.0	470	0.2	_	< 1.0	< 1.0	< 0.050		0.154		0.0076	2.1 1.84	0.0034	0.272	-	0.0026	0.76	0.72
EV_MC2	EV_MC2_WS_2022-08-24_N-SRF EV MC2 WS 2022-08-25 N-SRF	2022-08-25	-	-	-	-			-	-	-	-	+ -	-	-	-	-	-	-	-	-	1.73	-	-	-	-	-	-
EV_IVIC2 EV MC2	EV MC2 WS 2022-08-26 N-SRF	2022-08-25	-	-	-	-			-		-	-	+ -	-	-	-	H	+ -	+ -	+ -	-	1.73	-	-	-	+ -	+ -	-
EV MC2	EV MC2 WS 2022-08-27 N-SRF	2022-08-27	_	-	-	-	-		-	-	-	-	-	_	_	-	-	-	-	-	-	1.65	-	_	_	-	-	-
EV MC2	EV MC2 WS 2022-08-28 N-SRF	2022-08-28	- 1	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	1.69	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-29_N-SRF	2022-08-29	-	-	-	-	- 8.	2	348	583	< 1.0	388	0.23	236	< 1.0	< 1.0	< 0.050	3.9	0.154	139	0.0085	1.64	0.002	0.311	-	0.0023	0.67	0.66
EV_MC2	EV_MC2_WS_2022-08-30_N_SRF	2022-08-30	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	1.92	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022_Q3_WK3_N	2022-08-30	-	-	-	-	- 8.1	5	331	588	< 1.0	388	0.23	246	< 1.0	< 1.0	< 0.050	3.82	0.134	140	0.0053	1.67	0.0013	0.201	-	0.0028	0.7	0.69
EV_MC2	EV_MC2_WS_2022-08-31_N_SRF	2022-08-31	-	-		-			-	-	-	-	-	-	-	-	-	-	-	-	-	1.78	-	-		-	-	-
EV_MC2	EV_MC2_WS_2022-09-01_N-SRF	2022-09-01	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-02_N-SRF	2022-09-02	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	2.01	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-09-03_N-SRF EV_MC2_WS_2022-09-04_N-SRF	2022-09-03	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	1.88 1.85	-	-	-	-	-	-
EV_MC2	EV MC2 WS 2022-09-04 N-SRF	2022-09-04 2022-09-05		-	-				-		-	-	+ -	-	-	-	H	+ -	+-	+	-	2	-	-	-	+ -	+	-
EV MC2	EV MC2 WS 2022-09-06 N-SRF	2022-09-06	 	-					-			-	-	-		-	-	-	-	-		2.08	-			+ -	+ -	+
EV MC2	EV MC2 WS 2022-09 MON N	2022-09-06		-	_		- 8.		366	604	1.2	415	0.29	215	8.6	< 1.0	< 0.050		0.16		0.006	1.78	0.0024	0.173	-	< 0.0020		
EV MC2	EV MC5 WS 2022-09 MON N	2022-09-06	-	-	-	-	- 8.4		360	605	< 1.0	423	0.55		8.8	< 1.0	< 0.050	4.31	0.16		0.0064	1.82	0.0023	0.226	-	< 0.0020		
EV_MC2	EV_MC2_WS_2022-09-07_N-SRF	2022-09-07	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	2.03	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_SEPT-2022_N	2022-09-08	-	-	-	-	- 8.4	17	328	603	< 1.0	416	0.26	213	9.4	< 1.0	< 0.050	3.68	0.143	148	< 0.0050	1.68	0.0029	0.077	-	0.0031	0.57	0.8
EV_MC2	EV_MC2_WS_2022-09-08_N-SRF	2022-09-08	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	1.98	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-09_N-SRF	2022-09-09	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	1.95	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-09_N	2022-09-09	-	-	-	-	- 8.2	28	363	622	1.3	429	0.23	246	< 1.0	< 1.0	< 0.050	4.02	0.154	153	0.0082	1.84	0.0022	0.143	-	0.0022	0.6	0.58
EV_MC2 EV MC2	EV_MC2_WS_2022-09-10_N-SRF	2022-09-10	-	-	-	-			-	-	-	 -	+-	-	-	 -	+	-	+	+	-	1.94	-	-	-	+ -	-	+
EV_MC2	EV_MC2_WS_2022-09-11_N-SRF EV_MC2_WS_2022-09-12_N-SRF	2022-09-11 2022-09-12	+ - +	-	-	-	- 8.1		290	633	< 1.0	416	0.26	247	< 1.0	< 1.0	< 0.050		0.155	162	0.0169	1.97	0.0021	0.18	-	0.0027	0.66	0.72
EV_MC2	EV_MC2_WS_2022-09-12_N-3K1 EV_MC2_WS_2022-09-13_N-SRF	2022-09-12	-	-	-	-	- 0.1		-	-	- 1.0	-	-	-	- 1.0	- 1.0	- 0.030	-	-	-	-	1.96	-	-		- 0.0027	-	-
EV MC2	EV MC2 WS 2022 Q3 WK5 N	2022-09-13	-	-	-	-	- 8.2		412	613	< 1.0	423	0.3	228	1.9	< 1.0	< 0.050		0.155		0.0083	1.88	0.0023	0.198	-	< 0.0020		
EV_MC2	EV_MC2_WS_2022-09-14_N-SRF	2022-09-14	-	-	-	-				-	-		-			-	-	-	-	-	-	2.11	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-15_N-SRF	2022-09-15	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	1.85	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-16_N-SRF	2022-09-16	-	-	-				-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-17_N-SRF	2022-09-17	-	-	-				-	-	-	-	-	-	-	-	-	-	-	-	-	1.75	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-18_N-SRF	2022-09-18	-	-	-			_	-	-	-	-	-	-	-	-	-	-	-	-	-	1.85	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-09-19_N-SRF EV_MC2_WS_2022-09-20_N-SRF	2022-09-19 2022-09-20	-	-	-			_	-		-	-	-	-	-	-	-	-	-	-	-	1.89 1.89	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-20_N-SRF EV_MC2_WS_2022-09-21_N_SRF	2022-09-20	-	-	-			_	-		-	-	+-		-	-	+-	+ -	+ -		-	1.09	-	-		-	+ -	 -
EV_MC2	EV MC2 WS 2022-09-21 N-SRF	2022-09-21	-	-	-			_	-		-	-	+ -		-	-	+ -	-	-	-	-	1.89	-	-		+ -	+ -	+ -
EV MC2	EV MC2 WS 2022-09-23 N-SRF	2022-09-23	- 1	-	-				-	-	-	-	-	-	-	-	<u> </u>	-	-	<u> </u>	-	1.68	-	-	-	-	-	 -
EV_MC2	EV_MC2_WS_2022-09-24_N-SRF	2022-09-24	-	-	-			_	-	-	-	-	-		-	-	-	-	-	-	-	1.97	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-25_N-SRF	2022-09-25	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	2.02	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-26_N-SRF	2022-09-26	-	-	-	-	- 8.2	24	364	640	< 1.0	435	0.39	244	< 1.0	< 1.0	< 0.050	4.57	0.154	172	0.007	2.21	0.0024	0.265	-	0.0026	0.91	0.71
EV_MC2	EV_MC2_WS_2022-09-27_N-SRF	2022-09-27	-	-	-			_	-	-	-	-	-	_	-	-	-	-	-	-	-	2.12	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-28_N-SRF	2022-09-28	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	2.16	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	Parame	eters			Р	hysical Pa	rameters	3				Disso	olved Ino	rganics					Nutrient	s				
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field	Field ORP	Hd :	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pH _ ⊏	mg/L	μS/cm ι	mV	pH _ ⊂	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	. mg/L
BC WQG FWAL			n/a	9.9 Minimum 6. Maximur	Acute Chronic	n/a	n/a 6.	G Maximur	n/a	n/a	5 Acute Chronic	n/a	AcuteChronic	n/a	n/a	n/a	n/a	OD Acute Chronic	Acute	Chronic	0.681-28.7 ^b 0.102-2.08	Acute	O.06-0.60° 0.02-0.20	n/a	n/a	0.015	n/a	n/a
Elkview Operation			II/a	0.5 9	1 3	II/a	11/a 0.	.5 9	11/a	11/4	20 0	II/a	0 2	II/a	II/a	II/a	II/a	000 130	0.4-	120-429	0.001-20.7 0.102-2.00	32.0 3.1	0.00-0.00 0.02-0.20	II/a	11/4	0.013	11/a	11/a
EV MC2	EV MC2 WS 2022-09-29 N-SRF	2022-09-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.11	-	-	-	-	-	T -
EV_MC2	EV_MC2_WS_2022-09-30_N-SRF	2022-09-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.87	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-10-01_N-SRF	2022-10-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.85	-	-	-		-	 -
EV_MC2	EV_MC2_WS_2022-10-02_N-SRF EV MC2 WS 2022-10-03 N-SRF	2022-10-02	-	-	-	-	-	- Ω 13	397	626	- 10	422	0.17	777	- 10	- 10	- 0.050	- 4.08	0.140	162	- 0.0050	2.1	0.0010	U 333	-	- 0.0020	- 0.7	- 0.68
EV_MC2 EV MC2	EV_MC2_WS_2022-10-03_N-SRF EV_MC2_WS_2022-10-04_N-SRF	2022-10-03 2022-10-04		-				8.13	387	636	< 1.0	433	0.17	272	< 1.0	< 1.0	< 0.050	4.08	0.149	162	< 0.0050	2.18	0.0019	0.333	-	< 0.0020	0.7	0.68
EV_MC2	EV_MC2_WS_2022-10-04_N-SRF EV_MC2_WS_2022-10-06_N-SRF	2022-10-04	- 1	-	-	-	-	-	-	-	-	1	<u> </u>	1 -		-	-	-	1	-	-	2.48	-	-	1	+ -	+ -	+ -
EV_MC2	EV_MC2_WS_2022-Q4_N	2022-10-06	-	-	-	-	-	8.42	377	650	< 1.0	452	0.26	226	5.9	< 1.0	< 0.050	4.23	0.15		< 0.0050	2.26	0.003	0.2	-	0.0031		_
EV_MC2	EV_MC5_WS_2022-Q4_N	2022-10-06	-	-	-	-		8.39	383	657	< 1.0	416	0.38	253	4.8	< 1.0	< 0.050		0.148		0.0062	2.26	0.0028	0.239	-	0.0024		
EV_MC2	EV_MC2_WS_2022_Q4_WK1_N	2022-10-11	-	-	-	-	- 1	8.22	375	650	1.4	428	0.23	256	< 1.0	< 1.0	< 0.050		0.157		< 0.0050	1.76	0.0018	0.307	-	0.0046	< 0.50	_
EV_MC2	EV_MC2_WS_2022-10-12_N-SRF	2022-10-12	-	-	-		-	-	-	-	-	-	-	-	-	-	< 0.050			150	-	1.39	0.0019	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-10-14_N-SRF EV_MC2_WS_2022-10-17_N-SRF	2022-10-14 2022-10-17	-	-	-	-	-	8.1	342	641	< 1.0	445	0.2	256	< 1.0	< 1.0	< 0.050 < 0.050		0.161 0.154		< 0.0050	1.73	0.0019 0.0019	0.282	-	0.0023	< 0.50	0 < 0.50
EV_MC2	EV MC2 WS 2022-10-17 N-SRF EV MC2 WS 2022 Q4 WK2 N	2022-10-17		-	-			8.26	392	620	< 1.0		0.22	264	< 1.0	< 1.0	< 0.050		0.154		< 0.0050	1.6	0.0019	0.262	-	0.0023		
EV MC2	EV MC2 WS 2022-10-19 N-SRF	2022-10-10	-	-	-	-	-	-	-	-	- 1.0	-	-	-	- 1.0	- 1.0	< 0.050		0.154		-	1.62	0.0019	-	-	-	-	- 0.57
EV MC2	EV MC2 WS 2022-10-24 N-SRF	2022-10-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.050		0.153		-	1.47	0.0014	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022_Q4_WK3_N	2022-10-25	-	-	-	-	-	8.33	330	585	1.9	371	0.25	224	6	< 1.0	< 0.050	3.09	0.156	142	< 0.0050	1.3	0.0019	0.136	-	< 0.0020	< 0.50	< 0.50
EV_MC2	EV_MC2_WS_2022-10-26_N-SRF	2022-10-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.050		0.147		-	1.46	0.0018	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-10-28_N_SRF	2022-10-28	-	-	-	-	-	-		-	-	-	-	237	< 2.0	< 2.0	< 0.050		0.148		-	1.36	0.0017	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-10-31_N-SRF	2022-10-31	-	-	-	-		8.2	316	543	2	436	1.62	220	< 1.0	< 1.0	< 0.050		0.146		0.0103	1.23	0.0019	0.234	-	0.005	0.81	
EV_MC2 EV MC2	EV_MC2_WS_2022_Q4_WK4_N EV_MC2_WS_2022_Q4_WK5_N	2022-11-01 2022-11-08	-	-	-	-		8.3 8.25	242 355	465 645	6.6 < 1.0	252 428	5.49 0.55	196 258	1.3 < 1.0	< 1.0 < 1.0	< 0.050 < 0.050		0.129		< 0.0050 0.0096	0.781 1.39	0.0016 0.0022	0.205	-	0.0067 0.0032		
EV_MC2	EV_MC2_WS_2022_Q4_WK5_N EV_MC2_WS_2022-11-14_N-SRF	2022-11-08	-	-	-	-		8.39	352	684	< 1.0	447	0.33	238	6	< 1.0	0.053	5.06	0.131		0.0128	1.67	0.0022	0.141	-	< 0.0032		
EV MC2	EV MC2 WS 2022-11 MON N	2022-11-14	-	-	-	-		8.26	369	686	< 1.0	489	0.12	253	< 1.0	< 1.0	< 0.050		0.157		0.0055	1.71	0.0016	0.104	-	< 0.0020		
EV MC2	EV MC5 WS 2022-11 MON N	2022-11-14	-	-	-	-		8.28	368	686	< 1.0	452	0.18	271	< 1.0	< 1.0	< 0.050		0.151		0.007	1.65	0.0017	0.084	-	0.002	< 0.50	
EV_MC2	EV_MC2_WS_2022-11-28_N-SRF	2022-11-28	-	-	-	-	-	8.5	371	672	< 1.0	442	0.21	245	11.4	< 1.0	< 0.050	5.19	0.146	171	0.0126	1.6	0.0017	0.171	-	0.0032	< 0.50	< 0.50
EV_MC2	EV_MC2_WS_2022-12_MON_N	2022-12-06	-	-	-	-		8.34	398	670	< 1.0		0.16	283	5.9	< 1.0	< 0.050		0.152		0.0071	1.42	0.0014	0.101	-	0.0022		
EV_MC2	EV_MC2_WS_2022-12-12_N-SRF	2022-12-12	-	-	-	-		8.56	363	685	< 1.0	446	0.17	218	12.2	< 1.0	0.052	4.84	0.149		0.0154	1.45	0.002	0.203	-	0.003	< 0.50	
EV_MC2	EV_MC2_WS_2022-12-27_N-SRF	2022-12-27	-	-	-	-		8.18	365	607	1.6	431	0.39	235	< 1.0	< 1.0	< 0.050		0.142		0.0185	1.29	0.0031	0.274	-	0.0054		
EV_OC1 EV OC1	EV_OC1_WS_2022-Q1_N EV_OC1_WS_2022-02_MON_N	2022-01-05 2022-02-07	 	-	-	-		7.72 8.18	406 417	804 855	4.7	492 478	4.35	399 444	< 1.0 < 1.0	< 1.0 < 1.0	0.253	35.2 38.2	0.271		0.188 0.17	0.0707	0.0022 0.0017	0.314	-	0.0056	1.82	_
EV OC1	EV OC1 WS 2022-02 MON N	2022-02-07	- 1	-		-		8.04	328	653	7.3	397	14.1		< 1.0	< 1.0	0.19	31.1	0.316		0.0385	0.0039	0.0017	0.234	-	0.0008	2.74	
EV OC1	EV OC1 WS 2022-03 WEK13 N	2022-03-21	-	-	-	-	-	-	-	-	1.7	-	5.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-03_WEK14_N	2022-03-28			-	-		-			2.7	-	4.47			-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-04_WEK15_N	2022-04-04	-	-	-	-	-	-	-	-	5.1	-	5.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-Q2_N	2022-04-12	-	-	-	-	-	7.95	382	723	2.2	506	3.38	418	< 1.0	< 1.0	0.203	41		92.9	0.0382	0.0559	0.0026	0.205	-	0.007	3.17	_
EV_OC1	EV_OC1_WS_2022-04_WEK17_N EV_OC1_WS_2022-04_WEK18_N	2022-04-18	-	-	-	-	-	-	-	-	1.4 2.8	-	3.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1 EV_OC1	EV_OC1_WS_2022-04_WEK18_N EV_OC1_WS_2022-05_MON_N	2022-04-26 2022-05-03	-	-	-	-	-	8.42	385	792	2.0	543	2.85	368	6.8	< 1.0	< 0.250	37.8	- 0.252	114	0.0198	0.218	< 0.0050	0.175	-	0.0088	2.84	2.51
EV OC1	EV OC1 WS 2022-05 WEK20 N	2022-05-03	-	-	-	-	_	-	-	-	2.1	-	2.49		-	- 1.0	- 0.230	-	-	-	-	-	-	-	-	-	-	- 2.51
EV OC1	EV OC1 WS 2022-05 WEK21 N	2022-05-16	-	-	-		-	-	-	-	44		3.96		-	-	-	-	-	-	-	-	-	-	-	-	-	
EV_OC1	EV_OC1_WS_2022-05_WEK22_N	2022-05-24	-	-	-			-	-	-		-	0.34	-		-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-05_WEK23_N	2022-05-30	-	-	-	-		-	-	-	< 1.0		2.61		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-06_MON_N	2022-06-07	-	-	-			8.15		747				382						84.9	0.0182	0.0248	0.0021	0.165	-	0.0086	_	_
EV_OC1	EV_OC1_WS_2022-06_WEK25_N	2022-06-13	-	-	-			-	-	-	25.6		8.33		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1 EV OC1	EV_OC1_WS_2022-06_WEK26_N EV_OC1_WS_2022-06_WEK27_N	2022-06-21 2022-06-27	-	-	-			-	-	-	4.2 1.6	-	2.65		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-06_WER27_IN EV_OC1_WS_2022-Q3_N	2022-06-27	-	-	-	-		8.42	354	692	4			334			0.21			71.7	0.0129	0.0139	< 0.0010	0.195	-	0.0083		2.49
EV OC1	EV_OC1_WS_2022-QS_N EV OC1 WS 2022-07 WEK29 N	2022-07-00	-	-	-	-	_ +	-	-	-	2.7	-	2.37		-	- 1.0	-	-	-	-	-	-	- 0.0010	0.193	-	0.0003		- 2.73
EV OC1	EV OC1 WS 2022-07 WE123-14	2022-07-11	-	-	-		-	8.45	306	657				301	6.7	< 1.0	0.225	28.4		57.7	0.0143	0.0258	0.0014	0.224	-	0.0168	2.39	2.12
EV OC1	EV_OC1_WS_2022-09_MON_N	2022-09-07	-	-	-			8.05	295									26.8		49.6	0.005	0.0094	< 0.0010	0.145			1.68	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	d Parame		-			husiaal Da				1		Diago	مرا المعرب				ı		Mustalaust					
				Field	Parame	eters				hysical Pa	rameters	<u> </u>	1			DISSO	lved Inorg	Janics					Nutrient	S		1		
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Field ORP	Нd	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pН	mg/L	μS/cm	mV	рН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Minimum	Acute			Minimum Maximum			Acute Chronic		Acute					Acute Chronic	Acute	Chronic	Acute	Acute	Acute			Chronic		
BC WQG FWAL			n/a	6.5 9	1 5	n/a	n/a	6.5 9	n/a	n/a	25 5	n/a	8 2	n/a	n/a	n/a	n/a	600 150	0.4- a	128-429 ⁶	0.681-28.7 ^b 0.102-2.08	^b 32.8 3.7	0.06-0.60° 0.02-0.20°	n/a	n/a	0.015	n/a	n/a
Elkview Operation			,																									
EV_OC1	EV_OC1_WS_2022-Q4_N	2022-10-07	-	-	-	-	-	8.44	316	588	1.7		3.89		11.6		0.154	22.7		44.3	0.0138	0.0197	< 0.0010	0.155	-	0.0068		1.93
EV_OC1	EV_OC1_WS_2022-11_MON_N	2022-11-09	-	-	-	-	-	8.12	364	684	1.2	440	2.82	379	< 1.0	< 1.0	0.206	30.7		68.1	0.0885	0.0613	0.0023	0.234	-	0.0047	2.39	2.32
EV_SP1	EV_SP1_WS_2022-Q1_N	2022-01-17	-	-	-	-	-	8.2	956	1510	1.5	1330	0.14		< 1.0	< 1.0	< 0.250	0.76		703	< 0.0050	2.75	< 0.0050	0.168	-	< 0.0020	0.88	0.92
EV_SP1	EV_SP1_WS_2022-02_MON_N	2022-02-16	-	-	-	-	-	8.26	978	1550	1.4	1400	< 0.10		< 1.0	< 1.0	< 0.250	0.95		711	< 0.0050	2.89	< 0.0050	0.24	-	< 0.0020	0.58	0.64
EV_SP1	EV_SP1_WS_2022-03_MON_N	2022-03-17	-	-	-	-	-	8.19	983	1520	< 1.0	1300	0.24	372	< 1.0	< 1.0	< 0.250	0.94	0.37	676	< 0.0050	2.49	0.0078	0.341	-	< 0.0020	0.84	0.83
EV_SP1	EV_SP1_WS_2022-03_WEK13_N	2022-03-22	-	-	-	-	-	-	-	-	< 1.0	-	1.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-03_WEK14_N	2022-03-30	-	-	-	-	-	-	-	-	2.1	-	1.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-04_WEK15_N	2022-04-06	-	-	-	-	-	-	-	-	1.6	-	0.58		-	-	-	-	-		-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-Q2_N	2022-04-13	-	-	-	-	-	8.18	823	1370	< 1.0	1110	0.46	354	< 1.0	< 1.0	< 0.250	0.77	0.37	586	< 0.0050	2.69	< 0.0050	0.249	-	< 0.0020	0.95	0.92
EV_SP1	EV_SP1_WS_2022-04_WEK17_N	2022-04-20	-	-	-	-	-	-	-	-	< 1.0	-	0.18	-	-	-	-	-	-	-	-	-	-	-	-		-	-
EV_SP1	EV_SP1_WS_2022-04_WEK18_N	2022-04-27	-	-	-	-	-	-	-	-	3.9	-	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-05-MON_N	2022-05-04	-	-	-	-	-	8.09	948	1540	7.3	1280	1.09	373	< 1.0	< 1.0	< 0.250	0.87	0.371	715	0.005	2.98	< 0.0050	0.355	-	< 0.0020	1.13	1.06
EV_SP1	EV_SP1_WS_2022-05_WEK20_N	2022-05-10		-	-	-	-	-	-	-	2.4	-	0.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-05_WEK21_N	2022-05-18	-	-	-	-	-	-	-	-	2.4	-	1.47	-		-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-05_WEK22_N	2022-05-25	-	-	-	-	-	-	-	-	2.2	-	0.31	-		-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-05_WEK23_N	2022-05-31	-	-	-	-	-	-	-	-	1	-	0.14	- 105		-		-	-	-	-	-	-	-	-		-	-
EV_SP1	EV_SP1_WS_2022-06_MON_N	2022-06-06	-	-	-	-	-	8.25	983	1540	2.6 5.4	1310	0.16 6.58	405	< 1.0	< 1.0	< 0.250	0.96		746	< 0.0050	2.57	< 0.0050	0.343	-	0.0097	0.83	1.02
EV_SP1	EV_SP1_WS_2022-06_WEK25_N	2022-06-15	-	-	-	-	-	-	-	-	5.4 < 1.0	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-06_WEK26_N	2022-06-23	-	-	-	-	-	-	-	-	1.1	-	0.23	-	-	-	-	<u> </u>	-	-	-	-	-	-	-	-	-	-
EV_SP1 EV_SP1	EV_SP1_WS_2022-06_WEK27_N EV_SP1_WS_2022-Q3_N	2022-06-29 2022-07-06	-	-	-	-	-	8.37	904	1410	2.1	1260	1.11	348	9.1	< 1.0	< 0.250	0.78	0.332	-	- 0.0114	2.26	< 0.0050	0.255	-	0.0182	0.56	< 0.50
EV_SP1	EV_SP1_WS_2022-Q3_N EV_SP1_WS_2022-07_WEK29_N	2022-07-06	-	-	<u> </u>	-		0.37	904	1410	1.5	1200	0.63	340	9.1	< 1.0	< 0.250	0.76	0.332	390	0.0114	2.20	- 0.0030	0.255	-	0.0162	0.50	- 0.50
EV_SP1	EV_SP1_WS_2022-07_WER29_N EV_SP1_WS_2022-08_MON_N	2022-07-13	+		<u> </u>			8.22	974	1490	1.5	1330		370	< 1.0	< 1.0	< 0.250	0.8	0.425	710	0.0129	2.38	0.0055	0.211		0.0021	0.96	1.05
EV_SP1	EV_SP1_WS_2022-06_MOIN_N EV_SP1_WS_SESMP_2022_08_N	2022-08-09	-	-	- -	-		8.06	984	1530	1.4	1260	0.22		< 1.0	< 1.0	< 0.250	0.69		710	< 0.0129	2.38	0.0055	0.211		0.0021	0.86	0.93
EV_SP1	EV_SP1_WS_SESMP_2022_06_N EV_SP1_WS_2022-09_MON_NP	2022-08-15	+-	-	-	-		8.11	1080	1570	1.4	1330	0.23	387	< 1.0	< 1.0	< 0.050	0.09		746	< 0.0050	3.69	0.0078	0.295		< 0.002	0.87	0.86
EV_SP1	EV SP1 WS 2022-09 MON NP	2022-09-06	+-	-	 -	-		8.23	1020	1510	< 1.0	1410	0.17	384	< 1.0	< 1.0	< 0.250	1.03		762	0.0097	2.69	0.0137	0.295		< 0.0020	1.01	1.12
EV_SP1	EV_SP1_WS_2022-Q4_N EV_SP1_WS_2022-11_MON_N	2022-10-04	+-	-	<u> </u>	-		8.37	1120	1840	< 1.0	1380	< 0.10		11.4	< 1.0	< 0.250	8.12		807	< 0.0050	9.18	< 0.0050	0.100		< 0.0020	0.95	0.67
EV_SF1	EV_3F1_W3_2022-11_MON_N EV_TC1_WS_2022-03_MON_N	2022-11-13	-	-	-	-		8.25	232	413	< 1.0		0.39	229	< 1.0	< 1.0	< 0.250	0.54		53.9	0.0094	0.0374	< 0.0010	0.42		0.0020	4.83	4.7
EV TC1	EV_TC1_WS_2022-03_MON_N EV_TC1_WS_2022-Q2_N	2022-03-29	+ -	-	-			8.26	218	418	< 1.0		0.45		< 1.0	< 1.0	< 0.050	0.4	0.033		< 0.0050	< 0.0050	< 0.0010	0.100		0.0172	4.24	4.7
EV_TC1	EV TC1 WS 2022-05 MON N	2022-04-13	+	-				8.51	192	360	2	245	0.43	183	4.8	< 1.0	< 0.050	0.4		48.9	< 0.0050	< 0.0050	< 0.0010	0.115		0.0116	4.5	4.08
EV_TC1	EV TC1 WS 2022-06 MON N	2022-03-03	+ -	-				8.37	227	422	< 1.0		0.39	218	3.4	< 1.0	< 0.050	0.25		58.9	< 0.0050	< 0.0050	< 0.0010	0.103		0.0104	3.1	3.14
EV_TC1	EV TC1 WS 2022 Q3 N	2022-00-00	+	-	-			8.43	238	430	< 1.0		0.24	233	5.2	< 1.0	< 0.050	0.24	0.112		0.0083	< 0.0050	< 0.0010	0.097		0.0234	3.59	3.62
LV_101	LV_101_VV3_Z0ZZ_Q3_IV	2022-01-03	1 -		1 -	-	-	5.75	200	430	- 1.0	230	0.24	200	J.Z	N 1.0	- 0.000	0.27	0.102	55.0	0.0000	- 0.0000	- 0.0010	U. 134	-	0.014	5.55	0.02

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

FF CC FF CC 2022-01-19 N 2022-01-12				Nutrients		$\overline{}$		nics	lved Inorgan	Disso				s	rameters	hysical Pa	P			ters	Paramet	Field				
ECWGP FMAL Fig. Fi	Phosphorus, Total Total Organic Carbon	Ortho-Phosphate	Kjeldahl Nitrogen-N	Nitrite Nitrogen	Ammonia Nitrogen	Sulfate	Fluoride	Chloride	Bromide	Hydroxide	Carbonate	Bicarbonate	Turbidity	Total	Total Suspended	Conductivity	Hardness	На	Field	Field			Field Temperature			
FROM PROPERTIES FR. CC 2002-01-04	mg/L mg/L	mg/L mg/	mg/L	mg/L	mg/L mg/L	mg/L	ng/L	mg/L mg/	mg/L n	mg/L	mg/L	mg/L	ntu	mg/L	mg/L	μS/cm	mg/L	pH E	mV	μS/cm	mg/L	pH E	С	(yyyy-mm-dd)	ID	Location
FROME PRICE PRICE 2002-01-0. N 2022-01-0. N		U	n/a	O.06-0.60° 0.02-0.20°	e	20 Chronic 128-429 ^a	4- a 12	Acute	n/a 60	n/a	n/a	n/a	& Acute	n/a	52 Acute	n/a	n/a	6.5 Minimum 6 Maximur	n/a	n/a	c Chronic	Minimun 6 Maximur	n/a 6			BC WQG FWAL
FR CCI FR CCI 20220172 N 20220172 N 20220172 N 1	1 1111																				1		.,	L.		
FR CC1	0.0020 0.6													1920					-	-	-	-	-			
FR CC1	0.0020 < 0.50				1 - 1														-	-	-	-	-			
FR CC1	0.0020 < 0.50 0.0020 < 0.50														< 1.0				-	-	-	-	-			
FR CCI FR CCI 20220-131 N 20220-131	0.0020 < 0.50														1.3						-	-	-			
FR CC FR CC 30224040 N 20224027	0.0020 < 0.50												_	_					-	-	-	-	-			
FR CCI FR CCI 2022-02-21 N 2022-02-21 N 2022-02-10	0.0020 < 0.50												_						-	-	-	-	-			
FR CCT	0.0028 < 0.50									< 1.0	< 1.0			2140		2410			-	-	-	-	-			
FR CC1 FR CC1 2022-03-1 N 2022-03-07	0.0020 < 0.50																		-	-	-	-	-			
FR CC1 FR CC1 2022-03-14 N 2022-03-14	0.0020 < 0.50												_						-	-	-	-	-			
FR CC1 FR CC1 2022-03-28 N 2022-03-28 N 2022-04-06	0.0020 < 0.50 0.0020 < 0.50												_						-				-			
FR CC1 FR CC1 2022-03-28 N 2022-04-08 7.99 1460 2860 29 1950 3.89 256 < 1.0 < 1.0 < 0.250 2.575 0.158 884 0.0108 111 0.0177 < 0.050 - 1	0.0020 0.30												_						-		-		-			
FR CC1 FR CC1 2022-04-10 N 2022-04-11 N 2022-04-11 N 2022-04-11 N 2022-04-13 N 2022	0.0024 0.65																		-	-	-	-	-			
FR CC1	0.0020 0.61												_						-	-	-	-	-			
FR CC1	0.0020 < 0.50	- < 0.00	0.050	0.0279	< 0.0050 104	920	.217	3.78 0.21	< 0.250	< 1.0	< 1.0	303	1.08	1980	3.7	2340	1460	8.11	-	-	-	-	-	2022-04-11	FR_CC1_2022-04-11_N	
FR CC1	0.0020 < 0.50													1980					-	-	-	-	-			
FR CC1	0.0023 0.78																		-		-	-	-			
FR CC1 FR CC1 2022-05-06 N 2022-05-07 N 2022-05-07	0.0020 0.77																		-		-		-			
FR CC1 FR CC1 2022-05-08 N 2022-05-08	0.0020 1 0.0020 1.07																		-		-		-			
FR CC1 FR CC1 2022-05-08 N 2022-05-08	0.0020 1.07												_	_	2				-		-	-	-			
FR CC1 FR CC1 2022-05-10 N 2022-05-10 N 2022-05-10 N 2022-05-10 N 2022-05-10 N 2022-05-10 N 2022-05-11 N 2022-05-11 N 2022-05-11 N 2022-05-11 N 2022-05-11 N 2022-05-12 N 2022-05-12 N 2022-05-12 N 2022-05-12 N 2022-05-12 N 2022-05-12 N 2022-05-13 N 2022-05-14 N 2022-05-16 N 2022	0.0020 1.01														3.8				-	-	-	-	-			
FR CC1 FR CC1 2022-05-10 N 2022-05-10	0.0020 0.87														1				-	-	-	-	-			
FR CC1 FR CC1 2022-05-12 N 2022-05-13 N 2022-05-13 8.22 1140 1940 1.6 1570 0.19 293 < 1.0 < 1.0 < 0.250 3.01 0.142 691 < 0.0050 66.2 0.0309 < 0.050 - PR CC1 FR CC1 2022-05-13 N 2022-05-13 8.25 1210 1910 1.9 1640 0.32 305 < 1.0 < 1.0 < 0.250 1.0 < 0.250 2.52 0.192 688 < 0.0050 73 0.0384 0.372 8.15 1160 1900 2.5 1640 0.32 301 < 1.0 < 1.0 < 0.250 2.56 0.332 728 < 0.0050 70.2 0.0403 0.372 8.15 1160 1900 2.5 1640 0.32 301 < 1.0 < 1.0 < 0.250 2.56 0.332 728 < 0.0050 70.2 0.0403 0.372	0.002 1.06				< 0.0050 74.9						< 1.0			1660	< 1.0	1900			-	-	-	-	-			
FR_CC1	0.002 1.28	- 0.00	0.050	0.0375		718	.179	2.48 0.17	< 0.250		< 1.0	297	0.45	1610	2.1	1940	1150	8.22	-	-	-	-	-	2022-05-11	FR_CC1_2022-05-11_N	FR_CC1
FR_CC1	0.0020 0.94																		-	-	-	-	-			
FR_CC1	0.0021 0.94																		-	-	-	-	-			
FR CC1 FR CC1 2022-05-25 N 2022-05-30 N 2022-05-30 8.13 994 1730 < 1.0 1410 0.35 316 < 1.0 < 0.250 1.82 0.24 586 < 0.0050 58.8 0.0432 < 0.050 FR CC1 2022-05-30 N 2022-05-30 N 2022-05-30 8.17 1000 1700 4 1400 2.07 282 < 1.0 < 0.250 1.53 0.199 556 0.0088 53.2 0.0378 0.292 - FR CC1 2022-06-13 N 2022-07-18 N 2022-07-25 N 2022-07-25 N 2022-07-25 N 2022-07-25 N 2022-07-25 N 2022-07-25 N 2022-08-08 N	0.003 1.08 0.0029 1.02														2.5				-		-	-	-			
FR_CC1	0.0029 1.02													_	< 1 0						-	-				
FR_CC1	0.0020 1.17																		- +	- +	-	- 1	-			
FR_CC1	0.0037 < 0.50																		-	- 1	-	-	-			
FR_CC1 FR_CC1_2022-07-25 N 2022-07-25 N 2022-07-25 N 2022-07-25 N 2022-08-02 N 2022-08-08 N 2022	0.0031 < 0.50				< 0.0050 53.3					< 1.0	< 1.0			1340	< 1.0						-	1				
FR_CC1 FR_CC1_2022-08-02_N 2022-08-02 8.05 918 1540 <1.0 1250 0.42 320 <1.0 <0.050 1.62 0.195 464 <0.0050 51.6 0.0506 <0.050 8.13 961 1620 <1.0 1400 0.25 290 <1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 51.6 0.0506 <0.050 8.13 961 1620 <1.0 1400 0.25 290 <1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0.050 1.0 <0	0.0023 0.66												_						-	-	-	-	-			
FR_CC1 FR_CC1_2022-08-08 N 2022-08-08 S 8.13 961 1620 < 1.0 1400 0.25 290 < 1.0 < 0.25 1.0 0.25 1.94 0.203 487 < 0.0050 57.4 0.0676 < 0.050 - 1.0 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.	0.0020 0.8												_						-	-	-	-	-			
FR CC1 FR CC1 2022-08-15 N 2022-08-15 S 8.12 979 1640 1.3 1420 0.36 301 < 1.0 < 0.250 2.05 0.219 563 < 0.0050 63.6 0.0606 < 0.050 -	0.0023 < 0.50																		-	-	-	-	-			
	0.0020 0.66 0.0033 < 0.50												_								-	-	-			
	0.0020 0.67		0.050		< 0.0050 65.3					< 1.0	< 1.0		_		1.1	1640	1050	8.04		-	-	-	-	2022-08-19	FR_CC1_2022-06-15_N FR_CC1_WS_SESMP_2022-08_N	FR_CC1
	0.0020 0.67																		-	- 1	-	-	-			_
	0.0020 < 0.50																			-	-	-	-			
FR_CC1 FR_CC1_RD_WS_2022-08-30_NP	0.0042 0.5		0.050			620	.211	2.31 0.21	< 0.250	< 1.0	< 1.0	312	1.23	1420	11.6	1760		8	-		-				FR_CC1_RD_WS_2022-08-30_NP	FR_CC1
	0.0020 < 0.50																									
	0.0558 0.95																									
	0.0020 < 0.50																		-							
	0.0020 < 0.50																		-							
	0.0020 0.57																		-				-			
	0.0020 0.63 0.0020 0.66																		-				- +			

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	Parame	eters			P	hysical Pa	rameter	s				Diss	olved Ino	rganics					Nutrient	s				
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field	Field ORP	Н	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pH	mg/L	μS/cm	mV	pH	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Minimum	Acute Chronic	,	Minimin	Maximun		,	Acute Chronic		Acute		,			Acute	Acute	Chronic	Acute Chronic	Acute	Acute	,	,	Chronic		<u> </u>
BC WQG FWAL Fording River Operation			n/a	6.5 9	1 5	n/a	n/a 6	.5 9	n/a	n/a	25 5	n/a	8 2	2 n/a	n/a	n/a	n/a	600 150	0.4-	128-429	0.681-28.7 ^b 0.102-2.08 ^b	32.8 3.7	0.06-0.60° 0.02-0.20°	n/a	n/a	0.015	n/a	n/a
FR CC1	FR FLD1 2022-09-19 N	2022-09-19	I - I	_	_	-		4.92	< 0.50	3.3	< 1.0	< 10	< 0.1	0 < 1.0	< 1.0	< 1.0	< 0.050	0.10	< 0.020	0.43	< 0.0050	< 0.0050	< 0.0010	< 0.050	-	< 0.0020	< 0.50	< 0.50
FR CC1	FR CC1 CC1A 2022-09-20 N	2022-09-20	-	-	-	-		8.06	1400	2130	< 1.0		0.7		< 1.0	< 1.0	< 0.250		0.194		0.0066	92.2	0.0512	< 0.050	-	< 0.0020		
FR_CC1	FR_CC1_CC1A_2022-09-21_N	2022-09-21	-	-	-	-	-	7.92	1400	2160	2.8	1920	0.98		< 1.0	< 1.0	< 0.250	3.28		789	< 0.0050	91	0.0525	7.23	-	< 0.0020	< 0.50	< 0.50
FR_CC1	FR_CC1_CC1A_2022-09-22_N	2022-09-22	-	-	-	-		8.04	1330	2160	4.3	1880	1.8		< 1.0	< 1.0	< 0.250			760	< 0.0050	88.5	0.0526	< 0.050	-	0.0024	< 0.50	_
FR_CC1	FR_CC1_RD-WS_2022-09-01_NP	2022-09-22	-	-	-	-		8.07	1340	2050	16.5	1700	2.71	_	< 1.0	< 1.0	< 0.250		0.196		0.0062	90.5	0.0513	< 0.050	-	0.0023	< 0.50	
FR_CC1 FR_CC1	FR_CC1_CC1A_2022-09-23_N FR_CC1_CC1A_2022-09-24_N	2022-09-23 2022-09-24	-		-	-		8.04 8.07	1300 1170	2070 1800	3.7 < 1.0	1800 1500	1.06		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250		0.198		< 0.0050 < 0.0050	90.5 74.9	0.0484 0.0417	< 0.050 < 0.050	-	0.0022	< 0.50 0.62	< 0.50 0.74
FR CC1	FR CC1 CC1A 2022-09-25 N	2022-09-25	-	-	-	-		8.13	1260	1970	< 1.0		0.49	_	< 1.0		< 0.250			739	< 0.0050	85.1	0.0472	< 0.050	-	< 0.0023		_
FR CC1	FR CC1 CC1A 2022-09-26 N	2022-09-26	-	-	-	-		7.97	1360	1950	2.5	1730	0.87		< 1.0	< 1.0	< 0.250		0.2		< 0.0050	83.7	0.0412	< 0.050	-	0.0024	0.74	0.7
FR_CC1	FR_CC1_CC1A_2022-10-03_N	2022-10-03	-		-	-	-	8.04	1310	1720	4	1550	1.9	340	< 1.0	< 1.0	< 0.250	2.5	0.199	656	< 0.0050	69.4	0.0183	< 0.050	-	0.004	0.54	< 0.50
FR_CC1	FR_CC1_CC1A_2022-10-11_N	2022-10-11	-	-	-	-		8.08	1050	1680	2.4		1.79	_	< 1.0					597	0.0056	63	0.0308	< 0.050	-	0.0056		_
FR_CC1	FR_CC1_CC1A_2022-10-17_N	2022-10-17	-	-	-	-		8.11	1090	1710	3.5	1580	1.42		< 1.0	< 1.0	< 0.250			627	< 0.0050	67.6	0.0302	< 0.050	-	0.0045		
FR_CC1	FR_CC1_2022-10-24_N	2022-10-24	-	-	-	-		8.03	1170	1710	3.8	1370	2.25		< 1.0					661	0.0089	68.9	0.0237	< 0.050		0.0028		
FR_CC1 FR_CC1	FR_CC1A_2022-10-31_N FR_CC1_2022-11-07_N	2022-10-31 2022-11-07	-	-	-	-		8.13 8.14	1060 1080	1620 1730	4.3 < 1.0	1430 1520	2.6 0.81		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250			612 656	< 0.0050 < 0.0050	63.2 68.6	0.0173 0.014	< 0.050	-	0.0036		
FR_CC1	FR_CC1_2022-11-07_N FR_CC1_2022-11-14_N	2022-11-07	-	-	-	-		8.11	1250	2130	1.1	1770	0.61	_	< 1.0	< 1.0	< 0.250			790	< 0.0050	85.2	0.014	0.312	-	< 0.0020		
FR CC1	FR CC1 2022-11-14_N	2022-11-14	-	-	-	-		8.18	1460	2300	< 1.0		0.43		< 1.0	< 1.0	< 0.250		0.239		0.0056	98.6	0.0148	< 0.050	-	< 0.0020		_
FR EC1	FR EC1 MON 2022-01-01 N	2022-03-23	-	-	-	-		7.92	706	1260	18.1	1020	44.7		< 1.0	< 1.0	< 0.250			536	0.233	11.1	0.0384	0.519	-	0.0198	5.35	2
FR EC1	FR EC1 MON 2022-03-01 N	2022-03-28	-	-	-	-		8.16	455	859	37.3	_	111		< 1.0					280	0.178	3.98	0.0226	0.668	-	0.0704		
FR_EC1	FR_EC1_MON_2022-04-01_N	2022-04-04	-	-	-	-	-	8.2	1210	2010	17.1	1600	20.8	347	< 1.0	< 1.0	< 0.250	6.99	0.166	891	0.122	21	0.0312	0.596	-	0.0162	8.1	1.29
FR_EC1	FR_EC1_WEK_2022-04-11_N	2022-04-14	-	-	-	-	-	8.22	1280	2190	5.2	1880	6.64		< 1.0	< 1.0	< 0.250	7.73		1080	0.0857	28.2	0.0314	< 0.050	-	0.0072	1.12	
FR_EC1	FR_EC1_WEK_2022-04-18_N	2022-04-19	-	-	-	-	-	-	-	-	4.5	-	2.93		-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_EC1	FR_EC1_WEK_2022-04-25_N	2022-04-28	-	-	-	-	-	- 0 1 5	1600	2580	5.5 4.9	2170	1.22 13.8		< 1.0	- 10	- 0.050	9.99	- 0.11	4250	0.07	37	0.087	0.434	-	0.0034	1 22	1.00
FR_EC1 FR_EC1	FR_EC1_MON_2022-05-01_N FR_EC1_WEK_2022-05-09_N	2022-05-02 2022-05-12	-	-	-	-	-	8.15	1690	2560	4.9	2170	0.87		< 1.0	< 1.0	< 0.250	9.99	0.11	1350	- 0.07	-	0.067	0.434	-	0.0034	1.23	1.06
FR EC1	FR EC1 WEK 2022-05-05 N	2022-05-12	-	-	-	-	-	-	-	-	3.5	-	1.15		-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR EC1	FR EC1 WEK 2022-05-23 N	2022-05-23	-	-	-	-	-	-	-	-	2.1	-	0.76		-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_EC1	FR_EC1_WEK_2022-05-30_N	2022-06-01	-	-	-	-	-	-	-	-	2.6	-	0.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_EC1	FR_EC1_MON_2022-06-01_N	2022-06-08	-	-	-	-	-	7.92	2030	2920	4.4	2370	1.28		< 1.0	< 1.0	< 0.250	11.3	0.1	1500	0.0076	44	0.0955	0.407	-	0.0039	1.04	1.11
FR_EC1	FR_EC1_WEK_2022-06-13_N	2022-06-13	-	-	-	-	-	-	-	-	4.2	-	0.94		-	-	-	-	-	-	-	-	-	-	-	-	-	 -
FR_EC1 FR_EC1	FR_EC1_WEK_2022-06-20_N FR_EC1_WEK_2022-06-27_N	2022-06-20 2022-06-29	-	-	-	-	-	-	-	-	12.7 3.7	-	8.83 2.09		-	+ -	-	-	-	-	-	-	-	-	-	-	-	-
FR_EC1	FR_EC1_WEK_2022-06-27_N FR_EC1_MON_2022-07-01_N	2022-06-29	+ -	-	-	-	-	8.23	1730	2030	6.9	1920	5.77		6.5	< 1.0	< 0.250	8.79	0 168	1200	0.142	32.8	0.0915	0.792	-	0.0293	7.63	6.46
FR EC1	FR EC1 WEK 2022-07-11 N	2022-07-04	-	-	-	-	-	-	-	-	2.9	-	2.08		-	- 1.0	- 5.250	-	-	-	-	-	-	-	-	-		-
FR_FR1	FR_FR1_WEK_2022-03-28_N	2022-03-30	-	-	-	-	-	8.09	217	410	7.2	253	7.42		< 1.0	< 1.0	< 0.050	0.18	0.12	82.7	0.0052	1.86	0.0012	0.327	-	0.0201	4.08	3.66
FR_FR1	FR_FR1_MON_2022-04-01_N	2022-04-04	-	-	-	-	-	8.19	317	594	1.6	427	2.39		< 1.0	< 1.0	< 0.050		0.169		< 0.0050	4.68	< 0.0010	0.35	-	0.0075		1.97
FR_FR1	FR_FR1_WEK_2022-04-11_N	2022-04-11	-	-	-	-		7.77	329	612	1.5	404	3.17		< 1.0		< 0.050		0.185		< 0.0050	5.21	0.0024	0.454	-	0.0075		3.07
FR_FR1	FR_FR1_WEK_2022-04-18_NP	2022-04-20	-	-	-	-		8.26	259	507	1.4	_	2.1	_	< 1.0	< 1.0	< 0.050			130	< 0.0050	3.87	< 0.0010	0.296	-	0.0083	2.73	2.39
FR_FR1 FR_FR1	FR_FR1_WS_2022-04-25_NP	2022-04-25	-	-	-	-	-	8.04	154	283	78.2 7.5	147	54.8		< 1.0	< 1.0	< 0.050	0.13		61.2	0.0073	1.55	0.0015	0.618	-	0.121	8.04	9.36
FR FR1	FR_FR1_WS_2022-04-26_NP FR_FR1_WEK_2022-04-25_NP	2022-04-26 2022-04-26	-	-	-	-	-	7.96	198	373		242	12.8 5.96	139	< 1.0	< 1.0	< 0.050		0.11	- 85.4	0.0084	2.28	0.0022	0.302	-	0.0233	5 69	5 14
FR FR1	FR FR1 MON 2022-05-02 NP	2022-05-03	-	-		-		8.13										0.26			0.0078	2.89	0.0022	0.276	-	0.0084		
FR_FR1	FR_FR1_WEK_2022-05-09_NP	2022-05-10	-	-	-	-		8.23	221	398	4.9			164			< 0.050			86.5	< 0.0050	2.24	0.0017	0.335	-		2.33	
FR_FR1	FR_FR1_WEK_2022-05-16_NP	2022-05-17	-	-	-	-	-	8.29	223	384	2	264	2.08	164	< 1.0	< 1.0	< 0.050	0.14	0.179	74.3	< 0.0050	1.96	0.0016	0.238	-	0.0075	7.26	2.34
FR_FR1	FR_FR1_WEK_2022-05-23_NP	2022-05-25	-	-	-	-		8.27	197	380		233		161						74.2	< 0.0050	1.69	0.0011	0.268	-		1.48	
FR_FR1	FR_FR1_WEK_2022-05-30_NP	2022-05-31	-	-	-			8.27	158	284				148						35.7	< 0.0050	0.739	0.001	0.1	-	0.0063		1.85
FR_FR1	FR_FR1_MON_2022-06-06_NP	2022-06-07	-	-	-	-		8.29	250	505				183			< 0.050			93.1	< 0.0050	6.5	0.0013	0.351	-		1.17	
FR_FR1 FR_FR1	FR_FR1_WEK_2022-06-13_NP FR_DC1_WEK_2022-06-20_NP	2022-06-14	-	-	-	-		8.14 .3567	136	246				134				< 0.10	0.129		< 0.0050 < 0.0050	0.63	0.001 0.001033333	0.088	-	0.0072 0.008433		
FR_FR1	FR_DC1_WEK_2022-06-20_NP FR_FR1_WEK_2022-06-27_NP	2022-06-21 2022-06-28	-	-	-	-		8.2	133	173.6667 264				92.333			< 0.050			27.2	< 0.0050	0.4533333	< 0.0010	0.0793	-	0.008433		3 1.3733 0.94
FR FR1	FR FR1 QTR 2022-07-04 NP	2022-00-28	-	-	-	-		8.22	135	244								0.11			< 0.0050	0.593	< 0.0010	0.139			1.22	
117_1171		2022-01-00					- 1	V.44	100	244	5.0	107	2.03	123	- 1.0	- 1.0	- 0.030	0.10	0.141	23.2	- 0.0000	0.000	- 0.0010	0.100		0.0003	1.22	1.02

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

FR FR2 FR DC1 WEK 2022-06-20 N 2022-06-21 8.17 186 367 19 238 6.07 160 < 1.0 < 0.050 0.25 0.126 59.3 < 0.0050 3.8 0.0025 0.286 - 0.0288 1.57 1.34 FR FR2 FR DC1 WEK 2022-06-20 N 2022-06-21 8.18 186 186 367 19 238 6.07 160 < 1.0 < 0.050 0.25 0.126 59.3 < 0.0050 3.8 0.0025 0.286 - 0.0288 1.57 1.34 FR FR2 FR DC1 WEK 2022-06-27 N 2022-06-28 8.29 20.5 403 4.75 215 3.11 160 < 1.0 < 0.050 0.25 0.126 59.3 < 0.0050 3.9 0.0019 0.292 - 0.0286 1.34 1.29 FR FR2 FR DC1 WEK 2022-06-27 N 2022-07-04 8.29 20.5 403 4.75 215 3.11 160 < 1.0 < 0.050 0.28 0.1485 71.75 0.0051 4.635 0.0014 0.462 - 0.01105 1.075 0.675 FR FR2 FR FR2 MON 2022-07-01 N 2022-07-05 N 2022-07-05 N 2022-07-05 N 2022-07-05 N 2022-07-05 N 2022-07-05 N 2022-07-06 N 2022-07-06 N 2022-07-06 N 2022-07-06 N 2022-07-06 N 2022-07-07 N 20					Field	Parame	eters			Р	hysical Pa	rameters	3				Disso	olved Ino	rganics					Nutrient	s				
Service Serv																													uo
8 CMOS FRAM. 8 PAGE 19 STATE 1 PAGE 19 STATE			Sample Date	Field Temperature			Field	Field	Hd	Hardness	Conductivity	Total Suspended	Total	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Organic	Dissolved Organic
Color Front	Location	ID	(yyyy-mm-dd)	С	pН	mg/L	μS/cm	mV	pН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Control Cont					Minimum Maximum	Acute Chronic			Maximum			Acute Chronic		Acute					Acute Chronic	Acute	Chronic	Acute	Acu	Acute					
Fig.				n/a	6.5 9	1 5	n/a	n/a 6	5.5 9	n/a	n/a	25 5	n/a	8 2	2 n/a	n/a	n/a	n/a	600 150	0.4- ^a	128-429°	0.681-28.7 0.102-2.08	32.8 3.7	0.06-0.60° 0.02-0.20°	n/a	n/a	0.015	n/a	n/a
Fig.		ED ED1 WEK 2022 07 11 ND	2022 07 13	1					7 27	132	264	2.7	173	0.61	1/17	<10	< 1.0	< 0.050	I 0.11	0.105	34.6	< 0.0050	0.730	< 0.0010	0.064	ı	0.0030	0.54	0.65
Fig.				+ +		-	-																						
Fig.				- 1	-	-	-																			-			
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Fig.	_			-	-	-	-					< 1.0																	
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Fig.				-		-																							
Fig.				-	-	-	-																						
FR FR PR		FR_ FR2_WEK_2022-03-14_N	2022-03-14	-	-	-	-	-	8.11	759	1170	7	897	5.57		< 1.0	< 1.0	< 0.250	3.78	0.156	413	0.109		0.0164	< 0.050	-	0.0059	2.69	0.76
FR FR FR WE	_			-	-	-	-								_											-			
FR FR C				+		-																							
FR FR C				-	-	-	-																						
FR FRC PR FR FR 2 MS 2002-30-19 MP 2002-30-18				-	-	-	-																						
FR FR2 FR FR2 NS 2022-03-19 N				-	-	-	-																						
FR FRQ FR FRQ WS 2022-02-01 P	FR_FR2	FR_FR2_WEK_2022-18_NP	2022-03-18	-	-	-	-	-	8.08	680	1200	12.5	849	9.45	264	< 1.0	< 1.0	< 0.250		0.185	428				0.391	-	0.0101	3.42	1.06
FR FR2				-		-																							_
FR FR2 FR FR2 WS 2022-03-52 NP 2022-03-52 N 8.14 May 1160 A3 918 A 288 K-10 K-10 C-250 L225 NJ 2022-03-53 N 2022-03-52 N 8.23 May 12 N				-																									
FR FRZ FR				+										_															
FR FR2 FR DC1 WEX 2022-03-28 N 2022-03-20 · · · · · · · · · · · · · · · · · · ·				-	-	-																							
FR FRZ FR FR CV MEX 2022-04-18 N 2022-04-18 C	FR_FR2	FR_DC1_WEK_2022-03-28_N		-	-	-	-			593.5	1015	6.8	739.5	6.305		< 1.0	< 1.0	< 0.250	1.805			0.08795	23.3		0.1485	-	0.01195		
FR FR2 FR FD WEK 2022-04-18 N 2022-04-18 N 2022-04-19 N 2022-04-19 N 2022-04-19 N 2022-04-19 N 2022-05-10 N 2				-	-	-	-				1100					< 1.0										-		1.65	
FR FR2 FR FLD WEK 2022-04-18 N 2022-05-19 N 2022-05-19 N 2022-05-19 N 2022-05-10 N				-	-	-	-																						
FR FR2 FR FR2 MFR 2022-04-25 N 2022-05-10 N 2022-05-20 N				-	-	-	-																						
FR FR2 FR FR2 MF R FR				-	-		-							_															
FR FRZ FR FRZ WEK 2022-05-16 N 2022-05-26 · · · · · · · · · · · · · · · · · · ·				- 1	-	-	-																						
FR. FR. P. FR. P. D. WEX 2022-05-23 N	FR_FR2	FR_FR2_WEK_2022-05-09_N	2022-05-10	-	-	-	-	-	8.34	434	808	6.6	425	1.32	207	1.9	< 1.0	< 0.050	0.79	0.17	233	< 0.0050	17.9	0.0119	< 0.050	-	0.0121	2.09	1.58
FR FR2				-	-	-	-																						
FR. FR.2				-	-	-	-																						_
FR FR2 FR DC3 MON 2022-06-01 N 2022-06-08				 	-	-	-								_														
FR FR2 FR FR2 MON 2022-06-01 N 2022-06-13 N 2022-06-14 N 2022-06-20 N 2022-06-15 N				 - 	-	-								_	_														
FR FR2				- 1									_		-			+		_	1						-		_
FR FR2 FR DC1 WEK 2022-06-20 N 2022-06-21 8.18 186 367 19 238 6.07 160 < 1.0 < 1.0 < 0.050 0.27 0.123 60.6 < 0.0050 3.9 0.0019 0.292 - 0.0286 1.34 1.29 FR FR2 FR DC1 WEK 2022-06-27 N 2022-06-28 8.29 206.5 403 4.75 215 3.11 160 < 1.0 < 1.0 < 0.050 0.28 0.1485 71.75 0.0051 4.635 0.00145 0.462 - 0.01105 1.075 1.075 FR FR2 MEK 2022-07-01 N 2022-07-04 8.25 227 435 1.9 283 0.42 168 < 1.0 < 1.0 < 0.050 0.28 0.1485 71.75 0.0051 4.635 0.00145 0.462 - 0.01105 1.075 1.075 1.075 FR FR2 WEK 2022-07-05 N 2022-07-07 N 2022-07-08 N 2022-07-09 N 2				-	-	-	-																			-	_		_
FR FR2 FR DC1 WEK 2022-06-27 N 2022-07-04 8.29 206.5 403 4.75 215 3.11 160 < 1.0 < 0.050 0.28 0.1485 71.75 0.0051 4.635 0.00145 0.462 - 0.01105 1.075 0.675 FR FR2 FR FR2 MON 2022-07-04 N 2022-07-04 8.25 227 435 1.9 283 0.42 168 < 1.0 < 1.0 < 0.050 0.38 0.157 85.9 0.0072 5.76 0.0018 0.438 - 0.0054 1.47 1.51 FR FR2 FR FR2 WEK 2022-07-05 N 2022-07-06 8.22 223 396 5.2 259 2.99 156 < 1.0 < 1.0 < 0.050 0.38 0.157 85.9 0.0072 5.76 0.0018 0.438 - 0.0054 1.47 1.51 FR FR2 FR FR2 WEK 2022-07-06 N 2022-07-06 8.19 238 411 14.5 269 3.7 160 < 1.0 < 0.050 0.38 0.157 85.9 0.0074 5.17 0.0011 0.46 - 0.041 1.47 1.51 FR FR2 FR FR2 WEK 2022-07-06 N 2022-07-06 8.19 238 411 14.5 269 3.7 160 < 1.0 < 0.050 0.30 0.144 78.5 0.0074 5.17 0.0011 0.46 - 0.041 1.15 FR FR2 FR2 WEK 2022-07-07 N 2022-07-07 8.36 229 429 1.9 268 0.74 162 2.2 < 1.0 < 0.050 0.3 0.144 78.5 0.0050 5.78 0.0018 0.407 - 0.0053 1.39 1.1 FR FR2 FR3 WEK 2022-07-07 N 2022-07-07 8.31 229 490 3.1 268 0.74 162 2.2 < 1.0 < 0.050 0.35 0.163 84.6 < 0.0050 5.78 0.0018 0.407 - 0.0063 1.39 1.1 FR FR2 FR FR3 WEK 2022-07-08 N 2022-07-09 8.59 214 408 2.4 255 1.13 149 6.6 < 1.0 < 0.050 0.35 0.163 84.6 < 0.0050 5.76 0.0024 0.378 - 0.0046 1.31 1.6 FR FR2 FR FR2 WEK 2022-07-08 N 2022-07-09 N 2022-07-09 8.305 275 5.75 5.75 5.75 5.75 5.75 5.75 5.75				- T	-	_								_															
FR_FR2				+	-									_															
FR_FR2				-	-		-								_											-			_
FR FR2 FR DC1 WEK 2022-07-07 N 2022-07-07 8.19 238 411 14.5 269 3.7 160 < 1.0 < 0.050 0.3 0.144 78.5 0.0074 5.17 0.0011 0.46 - 0.041 1.94 1.15 FR FR2 FR DC1 WEK 2022-07-07 N 2022-07-07 8.36 229 429 1.9 268 0.74 162 2.2 < 1.0 < 0.050 0.3 0.164 84 < 0.0050 5.78 0.0018 0.407 - 0.0053 1.39 1.1 FR FR2 FR FR3 WEK 2022-07-08 N 2022-07-09 N 2				 - 	-		-																			-			
FR FR2 FR DC1 WEK 2022-07-07 N 2022-07-07 N 2022-07-07 8.36 229 429 1.9 268 0.74 162 2.2 < 1.0 < 0.050 0.3 0.164 84 < 0.0050 5.78 0.0018 0.407 - 0.0053 1.39 1.1 FR FR2 FR FR3 WEK 2022-07-07 N 2022-07-07 8.35 229 490 3.1 268 0.67 173 < 1.0 < 0.050 0.35 0.163 84.6 < 0.0050 5.8 0.0032 0.417 - 0.0046 1.69 1.06 FR FR2 FR DC1 WEK 2022-07-08 N 2022-07-08 8.41 215 404 6.4 262 2.6 151 1.8 < 1.0 < 0.050 0.35 0.163 84.6 < 0.0050 5.8 0.0032 0.417 - 0.0046 1.69 1.06 FR FR2 FR FR3 WEK 2022-07-08 N 2022-07-08 8.41 215 404 6.4 262 2.6 151 1.8 < 1.0 < 0.050 0.0	_																												
FR FR2 FR DC1 WEK 2022-07-08 N 2022-07-09 N	FR_FR2		2022-07-07		-	-	-	-	8.36	229	429	1.9	268	0.74	162	2.2	< 1.0	< 0.050	0.3	0.164	84				0.407	-	0.0053	1.39	1.1
FR_FR2																													
FR_FR2				-																									
FR_FR2																													
FR FR2 FR DC2 MON 2022-08-01 N 2022-08-10 8.175 453 747.5 < 1.0 553.5 0.46 223.5 < 1.0 < 0.050 0.845 0.2045 215.5 < 0.0050 14.9 0.00925 0.1675 - 0.00375 < 0.50 < 0.50																													
				+ +																									
				-																									

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	l Parame	eters			Р	hysical Pa	rameters	5				Disse	olved Ino	rganics					Nutrient	s				
			old Temperature	l (field)	ssolved Oxygen	eld Conductivity	old ORP		rdness	nductivity	tal Suspended Solids	tal Dissolved Solids	rbidity	carbonate	rbonate	droxide	omide	Chloride	ıoride	lfate	nmonia Nitrogen	trate Nitrogen	rrite Nitrogen	eldahl Nitrogen-N	tho-Phosphate	osphorus, Total	otal Organic Carbon	ssolved Organic Carbon
Sample	Sample	Sample Date	ıĔ	됩	is	i <u>ř</u>	Ě	ᆸ	포	<u>ن</u>	<u> </u>	<u>P</u>	<u> </u>	<u> </u>	్ర	£	<u> </u>		Ē	<u>ਲ</u>	<u>₹</u>	ž	ž	<u>\$</u>	ō	<u> </u>		<u> </u>
Location BC WQG FWAL	ID .	(yyyy-mm-dd)	C n/a	pH Winimum 95.6 Maximum 9.6	mg/L Chronic 2		Minimim	Maximum 6	mg/L	μS/cm n/a	mg/L Chronic 5	mg/L n/a	Ntu Acute		mg/L n/a	mg/L n/a	mg/L n/a	Mg/L Chronic Chronic	mg/L ethnoverse 0 0.4-	mg/L 20142 128-429	mg/L 9 9 9 9 0.681-28.7 ^b 0.102-2.08	mg/L Acute Ohronic 32.8 3.7	mg/L p y or to Child Signature (1975) O.06-0.60° 0.02-0.20°	mg/L n/a	mg/L n/a	mg/L Sicond O.015	mg/L n/a	mg/L
Fording River Operation												•		_						,								
FR_FR2 FR_FR2	FR_FR2_WS_SEPT-2022_N FR_DC1_WS_SEPT-2022_N	2022-09-06 2022-09-06	-	-	-	-		3.36 3.36	546 534	920 921	1.5		0.41		7.6 7.9		< 0.250 < 0.250			281 279	< 0.0050 < 0.0050	20.8	0.0116 0.0112	< 0.050 0.086	-	0.013	< 0.50 < 0.50	
FR_FR2	FR_DC1_WS_SEP1-2022_N FR_FLD1_WS_SEPT-2022_N	2022-09-06	-	-	-	 		5.47	< 0.50	921 < 2.0	< 1.0		< 0.10		< 1.0		< 0.250			< 0.30	< 0.0050	< 0.0050	< 0.0010	< 0.050	-	< 0.0024		
FR_FR2	FR_FR2_MON_2022-09-01_N	2022-09-07		-	-	-	- 8	3.28	536	910	1.8	681	0.39	238	< 1.0	< 1.0	< 0.050	1.09	0.192	271	< 0.0050	20.2	0.0107	0.612	-	< 0.0020	0.68	< 0.50
FR_FR2	FR_FR2_MON_2022-10-01_N	2022-10-04	-	-	-	-		3.19	606	1020	2	811	0.66		< 1.0	< 1.0	< 0.250			368	< 0.0050	28	0.0172	0.36	-	0.0021	< 0.50	
FR_LMP1 FR_LMP1	FR_LMP1_MON_2022-01-04_N FR_LMP1_WS_2022-01-15_NP	2022-01-07 2022-01-15	-	-	-			3.19 3.17	1040 1010	1700 1730	1.1	1430 1420	1.38		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250		0.133	552 569	0.294 0.238	69 70.5	0.0833 0.0789	< 0.050 < 0.050	-	0.008	1.57 1.71	1.41
FR LMP1	FR LMP1 WS 2022-01-13 NP	2022-01-13	-	-	-	-		3.02	998	1730	4.4	1340	2.99		< 1.0	< 1.0	< 0.250			580	0.248	72.1	0.0804	< 0.050		0.0073	2.06	2.19
FR_LMP1	FR_LMP1_WS_2022-01-27_NP	2022-01-27	-	-	-	-	- 8	3.13	1020	1770	7.2	1350	5.61	317	< 1.0	< 1.0	< 0.250		0.126	517	0.451	67	0.0853	< 0.050	-	0.0064	1.88	1.6
FR_LMP1	FR_LMP1_WS_2022-02-04_NP	2022-02-04	-	-	-	-		3.17	1090	1770	6.7	1400	3.39		< 1.0	< 1.0	< 0.250	1		592	0.277	74.6	0.0877	< 0.050	-	0.0208	3.17	2.21
FR_LMP1	FR_LMP1_WS_2022-02-10_NP	2022-02-10	-	-	-			3.11	1090	1800	8	1390	4.58		< 1.0	< 1.0	< 0.250			578	0.278 0.735	76.2 73.7	0.0754 0.169	< 0.050	-	0.0144		1.78
FR_LMP1 FR_LMP1	FR_LMP1_WS_2022-02-17_NP FR_LMP1_WS_2022-02-24_NP	2022-02-17 2022-02-24	-	-	-			3.14	1020 1050	1700 1800	3.5 4.1	1320 1440	4.55		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250		0.211		0.735	73.7	0.169	0.435	-	0.0131	1.29	1.82 1.85
FR LMP1	FR LMP1 WS 2022-03-03 NP	2022-02-24	-	-	-			3.13	1120	1820	24.4	1400	13.9		< 1.0	< 1.0	< 0.250			594	0.263	74.5	0.092	< 0.050	-	0.0255	2.72	1.89
FR_LMP1	FR_LMP1_WS_2022-03-09_NP	2022-03-09	-	-	-	-		7.99	1070	1800	3.2	1450			< 1.0	< 1.0	< 0.250			619	0.62	76.2	0.146	0.762	-	0.0117	1.75	1.46
FR_LMP1	FR_LMP1_WS_2022-03-16_NP	2022-03-16	-	-	-	-	- 8	3.16	961	1860	4.8	1450	3.4		< 1.0	< 1.0	< 0.250	1.15	0.143	620	0.274	74.1	0.0988	0.346	-	0.0102	1.83	1.71
FR_LMP1 FR_LMP1	FR_LMP1_WEK_2022-03-21_N FR_FLD_WEK_2022-03-21_N	2022-03-22 2022-03-22	-	-	-	-	- ,	- 5.29	< 0.50	< 2.0	5.5 < 1.0	< 10	5.44		< 1.0	< 1.0	< 0.050	< 0.10	- 0.020	< 0.30	< 0.0050	< 0.0050	< 0.0010	- < 0.050	-	< 0.0020	< 0.50	< 0.50
FR LMP1	FR LMP1 WS 2022-03-24 NP	2022-03-24	-	-	-	-		3.24	858	1530	17.4	1250	23.5		< 1.0	< 1.0	< 0.050			502	0.748	55.2	0.14	0.36	-	0.0188	6.14	
FR_LMP1	FR_LMP1_WS_2022-03-30_NP	2022-03-30	-	-	-	-		3.11	907	1540	11.1		9.66		< 1.0		< 0.250			433	5.44	43.8	0.327	0.915	-	0.0192	1.89	1.64
FR_LMP1	FR_LMP1_MON_2022-04-01_N	2022-04-01	-	-	-	-		3.06	819	1400	12.2	1110	11.8		< 1.0	< 1.0	< 0.250		0.208		1.22	39.2	0.509	0.533	-	0.0183	1.78	1.8
FR_LMP1 FR_LMP1	FR_LMP1_WS_2022-04-05_NP	2022-04-05	-	-	-	-		3.17	820	1410	5.9	1090	2.06		< 1.0	< 1.0	< 0.250		0.225		1.28 0.828	41 49.5	0.582 0.269	1.57	-	0.0131	1.99	1.59
FR_LMP1	FR_LMP1_WS_2022-04-12_NP FR_LMP1_WEK_2022-04-18_N	2022-04-12 2022-04-20	-	-	-			3.04	924 978	1470 1670	6.3	1360	3.09		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250		0.25		0.026	62	0.269	1.14 < 0.050	-	0.0118	1.95 2.26	1.91
FR LMP1	FR LMP1 WS 2022-04-18 NP	2022-04-28	-	-	-			3.14	748	1370	32.2	.000			< 1.0	< 1.0	< 0.250			433	0.0369	49.7	0.0172	< 0.050	-	0.0137	2.18	2.08
FR_LMP1	FR_LMP1_WEK_2022-04-25_N	2022-04-28	-	-	-	-		-	-	-	5.3	-	2.88		-	-	-	-	-	-	-	-	-	-	-	<u> </u>	-	1 -
FR_LMP1	FR_LMP1_MON_2022-05-01_N	2022-05-05	-	-	-	-		3.21	705	1220	2.7	898	1.23		< 1.0	< 1.0	< 0.250		0.137		0.0122	46.4	0.0127	< 0.050	-	0.0108	2.85	2.23
FR_LMP1 FR_LMP1	FR_LMP1_WS_2022-05-10_NP FR_LMP1_WEK_2022-05-09_N	2022-05-10 2022-05-12	-	-	-	-	- 1	3.06	608	1040	1.4	916	2.71	222	< 1.0	< 1.0	< 0.250	0.58	0.128	297	< 0.0050	39.6	0.0128	0.28	-	0.0081	2.34	2.18
FR LMP1	FR LMP1 WEK 2022-05-05_16 N	2022-05-12	-	-	-	-	-	-	-	-	2	-	1.05	-	-	-	-	-	-	-	-	-	-	-	-	-	 -	-
FR_LMP1	FR_LMP1_WS_2022-05-23_NP	2022-05-23	-	-	-	-	- 8	3.25	624	1110	7.3		1.06		< 1.0	< 1.0	< 0.250	0.97	0.13	345	0.0082	48.5	0.0303	< 0.050	-	0.0105	2.46	2.2
FR_LMP1	FR_LMP1_WEK_2022-05-30_N	2022-06-01	-	-	-	-	-	-	-	-	< 1.0		0.85		-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_LMP1 FR_LMP1	FR_LMP1_WS_2022-06-08_NP FR_LMP1_WEK_2022-06-13_N	2022-06-08 2022-06-14	-	-	-	-		3.16	440	828	< 1.0 3.7	529	1.58 5.83		< 1.0	< 1.0	< 0.050	0.39	0.104	201	< 0.0050	26.1	0.0061	< 0.050	-	0.0117	3.08	2.61
FR LMP1	FR LMP1 WS 2022-06-12 NP	2022-06-14	-	-	-	-	- 8	3.36	393	773	1.8	541	1.52		4.6	< 1.0	< 0.050	0.27	0.097		0.0128	20.5	0.0064	0.378		0.0072	2.7	2.81
FR_LMP1	FR_LMP1_WEK_2022-06-27_N	2022-06-30	-	-	-	-		-	-	-	5.6	-	0.76		-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_LMP1	FR_LMP1_WS_2022-07-05_NP	2022-07-05	-	-	-	-	- 8	3.02	535	931	3.8	756	5.41		< 1.0	< 1.0	< 0.250		< 0.100	246	0.0056	31.8	0.0129	< 0.050	-	0.0323	3.66	3.86
FR_LMP1 FR_LMP1	FR_LMP1_WEK_2022-07-11_N FR_LMP1_WS_2022-07-19_NP	2022-07-13 2022-07-19	-	-	-	-	-	3.18	668	1180	2.4 1.8	1040	0.55		< 1.0	< 1.0	< 0.250	0.72	0.112	367	0.0147	44.2	0.0182	0.537	-	0.0105	2.3	1.98
FR_LMP1	FR_LMP1_WS_2022-07-19_NP FR_LMP1_MON_2022-08-01_N	2022-07-19	-	-	-	+-+		3.32	992	1610	2.7	1380	1.3		7.2	< 1.0	< 0.250				0.0147	63.7	0.0162	< 0.050	-	0.0103	1.97	1.90
FR_LMP1	FR_LMP1_WS_2022-08-17_NP	2022-08-17	-	-	-	-		3.19	1120	1780	3.3	1580	0.96		< 1.0	< 1.0	< 0.250				< 0.0050	73.3	0.0525	< 0.050	-	0.0078	2.1	2.09
FR_LMP1	FR_LMP1_WS_WS_SESMP_2022-08_N	2022-08-22	-	-	-	-		3.21	1100	1770	46.9	1690	11.8		< 1.0	< 1.0	< 0.250			650	< 0.0050	75	0.0512	0.626	-	0.0206	2.44	2.2
FR_LMP1	FR_LMP1_WS_2022-09-01_NP	2022-09-01	-	-	-	-		3.18	1170	1860	4.2	1650	0.96		< 1.0	< 1.0	< 0.250	1.2	0.106		< 0.0050	74.8	0.0622	< 0.050	-	0.0091	2.24	1.96
FR_LMP1 FR_LMP1	FR_LMP1_WS_SEPT-2022_N FR_LMP1_WS_2022-09-13_NP	2022-09-07 2022-09-13	-	-	-	 - 		3.18 3.19	1120 1340	1860 1880	5.8 6.5	1540 1700	1.08		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250		0.119		< 0.0050 < 0.0050	78.8 77.3	0.0425 0.0358	2.7 < 0.050	-	0.0062 0.0054	1.86 2.3	1.52 2.45
FR LMP1	FR_LMF1_W3_2022-09-13_NF FR_LMD_MON_2022-10-01_N	2022-10-13	1	-	-			3.17	1220	1900	1.4		0.49		< 1.0	< 1.0			0.11		< 0.0050	80.7	0.0191	< 0.050	-	0.0054		
FR_LMP1	FR_LMD_WS_2022-11-15_NP	2022-11-15		-	-	-		3.31	1470	1960	2.1	1940	0.99		5.8	< 1.0	< 0.250				0.0077	77.5	0.019	< 0.050	-	0.0069	2.21	2.18
FR_LP1	FR_LP1_WS_2022-05-22_N	2022-05-22	-	-	-	-		3.31	501	842	7.2	572	7.6		2.4	< 1.0	< 0.050		_		< 0.0050	6.6	0.0115	0.509	-	0.0136	2.19	2.23
FR_LP1	FR_LP1_WS_2022-05-23_N	2022-05-23	-	-	-	-	- 8	3.28	494	849	4.3	590	6.68	260	< 1.0	< 1.0	< 0.050	0.7	0.155	286	< 0.0050	6.84	0.0117	0.443	-	0.019	2.65	2.37

< Denotes concentration less than indicated detection limit

BOLD ITALIC Concentrate greater than the chronic (30-Day average) BCWQG for FWAL Concentrate greater than the acute (short term) BCWQG for FWAL

CAPR002058 Exported: 2023-02-01

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

		Ī		Field	Parame	ters			Physical Pa	rameter	's				Disso	olved Ino	rganics					Nutrient	s				
																											u C
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Hd	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pН	mg/L	μS/cm mV	pН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a 6	G. Minimum 6 Maximum	- Acute	n/a n/a	Winimum 6:9	n/a	n/a	5 Acute Chronic	n/a	α Acute Chronic	n/a	n/a	n/a	n/a	Acute Chronic	Acute	20 Chronic 128-429	O.681-28.7 ^b 0.102-2.08 ^b	Chronic 32.8 3.7	Acute O.002-0-200° 0.002-0-200°	n/a	n/a	Chronic Chronic	n/a	n/a
Fording River Operation					1							1				1			1	I .						1	1
FR_LP1	FR_LP1_WS_2022-05-24_N	2022-05-24	-	-	-		8.32	494	847	4.8	581	5.29		1.6		< 0.050			294	< 0.0050	7.16	0.0135	0.362	-	0.0164		
FR_LP1	FR_LP1_WS_2022-05-25_N	2022-05-25	-	-	-		8.31	494	840	5.2	618	4.22		3.5	< 1.0	< 0.050		0.146		< 0.0050	6.66	0.0141	0.539	-	0.0148		2.61
FR_LP1	FR_LP1_WS_2022-05-26_N	2022-05-26	-	-	-		8.31	480	829	4.9	590	3.64		7.3	< 1.0	< 0.050			255	< 0.0050	6.46	0.0132	0.397	-	0.0155		2.02
FR_LP1 FR_LP1	FR_LP1_WS_2022-05-27_N FR LP1 WS 2022-05-28 N	2022-05-27 2022-05-28	-	-	-		8.39 8.34	456 443	827 787	6.2 4.5	581 540	3.75 4.96		3.5 2.2	< 1.0 < 1.0	< 0.050		0.141	254 253	< 0.0050 < 0.0050	6.02	0.0133 0.012	0.432	-	0.0144	2.7	2.48
FR_LP1	FR_LP1_WS_2022-05-26_N FR_LP1_WS_2022-05-29_N	2022-05-29	-	-			8.21	443	782	5.2	584	4.90		< 1.0	< 1.0	< 0.050			257	< 0.0050	6.13	0.012	0.356	-	0.013		2.13
FR LP1	FR LP1 WS 2022-05-30 N	2022-05-30	-	-	-		8.35	438	785	7	570	4.95		< 1.0	< 1.0	< 0.050			252	< 0.0050	6.08	0.011	0.378	-	0.0177		2.99
FR LP1	FR LP1 WS 2022-06-07 NP	2022-05-30	-	-	-	- -	8.42	460	816	5.4	590	3.72		6.2	< 1.0	< 0.050			237	< 0.0050	6.53	0.0076	0.444	-	0.0177	3.31	2.72
FR_LP1	FR_LP1_WS_2022-06-08_NP	2022-06-08	-	-	-	- -	8.36	513	941	8	688	4.19		4.7	< 1.0	< 0.050		0.164		< 0.0050	8.6	0.0112	0.695	-	0.0166		2.54
FR_LP1	FR_LP1_MON_2022-06-01_NP	2022-06-09	-	-	-		8.3	517	885	8.2	464	4.49	249	2.5	< 1.0	< 0.250	1.4	0.144	256	< 0.0050	7.13	0.0136	0.605	-	0.0124	3.98	2.68
FR_LP1	FR_LP1_WS_2022-06-10_NP	2022-06-10	-	-	-		8.31	444	812	6.8	538	4.68	233	1.9	< 1.0	< 0.050	0.59	0.125	246	< 0.0050	5.98	0.0095	0.462	-	0.022	3.53	2.48
FR_LP1	FR_LP1_WS_2022-06-11_NP	2022-06-11	-	-	-		8.26	432	787	5.4	546	4.29	238	< 1.0	< 1.0	< 0.250			226	< 0.0050	6.05	0.0162	0.578	-	0.0185		2.7
FR_LP1	FR_LP1_WS_2022-06-12_NP	2022-06-12	-	-	-		8.37	424	760	3.7	546	2.13		4.3	< 1.0	< 0.050		0.119		< 0.0050	5.68	0.0056	0.541	-	0.0087		_
FR_LP1	FR_LP1_MON_2022-06-13_NP	2022-06-13	-	-	-		8.5	434	791	9.3	910	3.59		< 1.0	< 1.0	< 0.050			248	< 0.0050	6.17	0.0107	0.555	-	0.0173		2.75
FR_LP1	FR_LP1_WS_2022-06-20_NP	2022-06-20	-	-	-		8.37	382	669	12.3		12.1		6.7	< 1.0	< 0.050			178	0.0054	4.73	0.0094	0.473	-	0.0542		
FR_LP1 FR_LP1	FR_LP1_WS_2022-06-28_NP FR_LP1_WS_2022-07-05_NP	2022-06-28 2022-07-05	-	-	-		8.16 8.28	436 485	762 814	5 6.2	550 629	4.53 6.78		< 1.0 < 1.0	< 1.0 < 1.0	< 0.050		0.147	228 250	0.0054 0.0125	5.47 5.52	0.0187 0.0376	0.649	-	0.0165 0.016	2.95 4.03	2.29 4.59
FR LP1	FR LP1 WS 2022-07-02 N	2022-07-03	-	-	-		8.49		890	4.3	698	3.26		10.4	< 1.0	< 0.050			291	0.0293	5.89	0.0376	0.404	-	0.0121		2.62
FR LP1	FR LP1 WEK 2022-07-11 N	2022-07-12	-	-	-		- 0.43	-	- 090	4.1	- 090	2.96		10.4	- 1.0	- 0.230	- 0.00	0.134	- 291	-	-	-	0.500	-	0.0121	3.00	2.02
FR LP1	FR LP1 WS 2022-08-18 N	2022-08-18	-	-	-		8.5	680	1100	3.9	892	2.13		14.3	< 1.0	< 0.250	1.7	0.207		0.0289	7.94	0.0377	0.533	-	0.0112	2.45	2.04
FR LP1	FR LP1 WS 2022-08-24 N	2022-08-24	-	-	-		8.25		1160	2.7		2.04		< 1.0	< 1.0	< 0.250		0.164		0.0327	8.49	0.0356	0.19	-	0.0118		
FR_LP1	FR_LP1_WS_2022-09-01_N	2022-09-01	-	-	-		8.3	733	1220	1.2	961	0.87	301	4.1	< 1.0	< 0.250	1.26	0.178	492	0.0126	8.66	0.0363	0.386	-	0.0049	2.34	2.58
FR_LP1	FR_LP1_WS_2022-09-05_N	2022-09-05	-	-	-		8.43	800	1220	1.6	992	0.87	271	9.8	< 1.0	< 0.250		0.194	517	0.0075	9.14	0.0255	0.442	-	0.0042	2.13	2.04
FR_LP1	FR_LP1_WS_SEPT-2022_N	2022-09-06	-	-	-		8.42	772	1220	< 1.0	1040	0.84		10.8	< 1.0	< 0.250		0.171		0.0061	9.59	0.0298	0.348	-	0.0025	1.84	1.74
FR_LP1	FR_LP1_MON_2022-10-01_N	2022-10-12	-	-	-		8.2	886	1330	2.6	1050	1.38		< 1.0	< 1.0	< 0.250		0.171		0.0185	12.7	0.0228	0.528	-	0.0028	1.8	1.85
FR_LP1	FR_LP1_MON_2022-11-01_N	2022-11-03	-	-	-		8.29	877	1410	1.4	1180	1.23		5.2	< 1.0	< 0.250		0.188		0.0195	12.6	0.0255	0.341	-	0.0032	2.12	2.03
FR_PP1	FR_PP1_MON_2022-01-04_N	2022-01-07	-	-	-		8.19	1400		< 1.0		0.26		< 1.0	< 1.0	< 0.250			794	0.0301 0.0326	81.8 95.4	0.0134	< 0.050	-	0.009	3.48	3.08
FR_PP1 FR_PP1	FR_PP1_MON_2022-02-01_N FR_PP1_WS_MON_2022-03-01_N	2022-02-06 2022-03-08	-	-			8.02 8.04	1630 1560	2370 2360	< 1.0	2180	0.22		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250		< 0.100		0.0320	91.2	0.017 0.0156	< 0.050	-	0.01	3.73	3.8
FR PP1	FR PP1 WEK 2022-03-01_N	2022-03-08	+ - +		-		8.1	1450		1.2		2.69		< 1.0	< 1.0	< 0.250		< 0.100		0.0151	88.3	0.0187	- 0.030	-	0.0101	- 3.32	- 3.49
FR PP1	FR PP1 WEK 2022-03-21 N	2022-03-21	- +	-	-	- -	-	-	-	3.6	-	5.52	-	-	-	-	-	-	-	-	-	-	-	-		-	-
FR_PP1	FR_DC_WEK_2022-03-28_N	2022-03-28	-	-	-		-	-	-	13.85	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_MON_2022-04-01_N	2022-04-04		-	-		8.1	672	1190	10.3	898	15.9	248	< 1.0	< 1.0	< 0.250	0.75	< 0.100	372	0.0131	36	0.0105	0.816	-	0.0582	7.19	6.87
FR_PP1	FR_PP1_WEK_2022-04-11_N	2022-04-11	-	-	-		-	-	-	2.7	-	8.83		-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_DC2_WEK_2022-04-18_N	2022-04-19	-	-	-		-	-	-	12.65	_	10.15		-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_WEK_2022-04-25_N	2022-04-28	-	-	-	- -	-	-	- 40.00	5.7	-	7.9		-	-	-	- 0.50	-	-	-	- 00.7	-	-	-	- 0.0407	-	-
FR_PP1	FR_PP1_MON_2022-05-01_N	2022-05-05	-	-	-	- -	8.03		1240	2.7		4.52		< 1.0	< 1.0	< 0.250	+		360	0.007	36.7	0.0086	< 0.050	-	0.0137	4.06	
FR_PP1 FR_PP1	FR_PP1_WEK_2022-05-09_N	2022-05-11	-	-	-		-	-	+ -	2.3	-	5.27 2.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_WEK_2022-05-16_N FR_DC2_WEK_2022-05-23_N	2022-05-18 2022-05-23	-	-	-		+ -	-	-	3.85	-	1.885	+ -		-	-	-	-	-	-	+	-	-	-	+ -	-	-
FR PP1	FR_DC2_WER_2022-05-23_N FR_PP1_WEK_2022-05-30_N	2022-06-01	 	-	-		+ -		_		-	_	_				1 -	 -	+	-	+ -	-	-	-	+ -		+ -
FR PP1	FR DC2 MON 2022-06-01 N	2022-06-07	-	- 1	-			1040					332.5				0.95	0.1045	523.5	0.013	57.7	0.01525	< 0.050		0.00775		
FR PP1	FR DC2 WEK 2022-06-13 N	2022-06-15	-	-	-		-	-	-	1.35			-	-	-	-	-	-		-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_WEK_2022-06-20_N	2022-06-20	-	-	-		-	-	-	4.4			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_WEK_2022-06-27_N	2022-06-28	-	-	-		-	-	-	8.5		1.79		-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_DC2_MON_2022-07-01_N	2022-07-04	-	-				1170					360		< 1.0				601	0.0101	58.2	0.0108	< 0.050	-		4.25	
FR_PP1	FR_PP1_WEK_2022-07-11_N	2022-07-12	-	-	-		-	-	-	1.4			-	-	-	-	-	-		-		-	-	-	-	-	-
FR_PP1	FR_DC1_MON_2022-08-01_N	2022-08-02	-	-	-		8.16						424.5						935	0.05045	93	0.13	< 0.050	-		3.43	
FR_PP1	FR_PP1_WS_SEPT-2022_N	2022-09-07	-	-	-		7.96						443						1110	0.0269	110	0.156	0.767	-	0.0085		3.48
FR_PP1	FR_PP1_MON_2022-10-25_NP	2022-10-24	-	-	-		8.12	1660	2460	2.2	2300	0.79	436	< 1.0	< 1.0	< 0.250	1.39	U.112	1050	0.0114	102	0.0529	< 0.050	-	0.0065	4.03	3.88

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	Parame	ters			Physical Pa	rameter	s				Disso	olved Inor	ganics					Nutrient	s				
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity Field ORP	Hď	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pH	mg/L	μS/cm mV	pH	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a 6	6 Maximun	D Acute Chronic	n/a n/a	mnumium 6.5	n/a	n/a	5 Acute Chronic	n/a	α Acute α Chronic	n/a	n/a	n/a	n/a	Acute Chronic	Acute Acute	20 Chronic 128-429	од Одержания Одержа	Ohronic 32.8 3.7	Chronic Chronic 0.09-0.90, 0.05-0.50	n/a	n/a	Chronic Chronic	n/a	n/a
Fording River Operation											1																
FR_PP1	FR_PP1_MON_2022-11-01_N	2022-11-02	-	-	-		7.94	1700	2360	7.7		9.35		< 1.0		< 0.250			1070	0.0055	102	0.033	7.48	-	0.0151		
FR_SCOUT FR_SCOUT	FR_SCOUT_WS_2022-1-06_N_0900	2022-01-06	-	-	-		8.15		2980	2.2	2720	0.75		< 1.0	< 1.0	< 0.250			1670	0.015 0.0143	36.4 34.5	0.0134 0.0102	0.596	-	0.0199	_	_
FR_SCOUT FR_SCOUT	FR_SCOUT_WS_2022-01-13_N FR_SCOUT_WS_2022-02-10_N_0900	2022-01-13 2022-02-10	-	-	-	- -	8.41 8.25	2220	3010 3000	3.6 4.2	2840 3130	0.55		17.3 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250	3.42	0.186	1740 1850	0.0143	34.5 35	0.0102	< 0.050	-	0.0062		2.17 1.96
FR SCOUT	FR SCOUT WS 20220216 N	2022-02-10	-	-	-		8.37		1410	1.6	1090	0.4		7.8	< 1.0	< 0.250	2.48		529	0.0089	30.8	0.0126	0.319	-	0.0053		_
FR_SCOUT	FR_SCOUT_WS_2022-03-10_N	2022-03-10					8.04	2180	2880	4.2	2560	0.34	605	< 1.0	< 1.0	< 0.250	48.9		1550	0.0075	8.84	< 0.0050	0.551		0.0782		1.98
FR_SCOUT	FR_SCOUT_2022-03-10_N_0900	2022-03-10	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SCOUT	FR_SCOUT_2022-04-07_N_0900	2022-04-07	-	-	-		- 0.04	1800	-	-	-	- 444	-	-		-	-	-	-	- 0.0070	-	- 0.0000	-	-	< 0.100		
FR_SCOUT FR SCOUT	FR_SCOUT_WS_2022-04-07_N FR_SCOUT_2022-05-05_N_0900	2022-04-07 2022-05-05	-	-	-		8.24 8.35		2540 834	6.1	2320 622	1.11 3.71	547 198	< 1.0 1.8	< 1.0 < 1.0	< 0.250 < 0.250	36.2 2.18	0.16	1330 254	0.0073 < 0.0050	17.4 15.5	0.0098 < 0.0050	< 0.050 0.461	-	0.04933	2.11 3 4.91	
FR_SCOUT	FR_SCOUT_2022-05-05_N_0900 FR_SCOUT_2022-06-02_N_0900	2022-06-02	-	-	-		8.13	251	491	1.1	303	1.28	128	< 1.0	< 1.0	< 0.250	0.36	0.154		< 0.0050	3.38	0.0050	0.461	-	0.04933		
FR SCOUT	FR SCOUT WS 2022-06-04 N	2022-06-04	_	-	-		8.23		454	6	297	1.49	174	< 1.0	< 1.0	< 0.050	1.6	0.166		0.0075	4.68	0.0015	0.398	_	0.008		
FR SCOUT	FR SCOUT 2022-07-14 N 0900	2022-07-14	-	-	-		8.02		1320	1.5	1110	0.7		< 1.0	< 1.0	< 0.250	1.51	< 0.100		0.005	17.7	0.0133	0.588	-	< 0.050		
FR_SCOUT	FR_FRSCOUT_WS_2022_07_25_N	2022-07-25	-	-	-		8.48	392	689	1.4	483	0.44	176	9	< 1.0	< 0.050	0.6	0.201	187	0.0053	10.8	0.0108	0.263	-	0.0043	0.73	0.65
FR_SCOUT	FR_SCOUT_2022-08-11_N_0900	2022-08-11	-	-	-		8.16		2240	3.5	2210	1.07	410	< 1.0	< 1.0	< 0.250	2.26		1170	0.0101	30.6	0.0228	< 0.050	-	< 0.100		
FR_SCOUT	FR_SCOUT_2022-09-08_N_0900	2022-09-08	-	-	-		7.98	2150	2930	5.1	2880	0.58	601	< 1.0	< 1.0	< 0.250	6.08	0.106		< 0.0050	38.7	0.0195	< 0.050	-	0.0545		
FR_SCOUT FR_SCOUT	FR_SCOUT_2022-10-06_N_0900 FR_SCOUT_2022-11-03_N_0900	2022-10-06 2022-11-03	-	-	-		8.13 8.06	2170 2380	2520 2740	2.3	2460 3040	0.53		< 1.0 < 1.0	< 1.0	< 0.250 < 0.250	3.12 3.48		1430 1620	< 0.0050 0.0062	36.1 40.4	0.0192 0.0159	< 0.050 < 0.050	-	< 0.100 0.0524		
FR SCOUT	FR SCOUT 2022-11-03 N 0900 CALC	2022-11-03	-	-	-		8.18		3130	2.5		0.83	608	< 1.0	< 1.0	< 0.250	10.8		1810	0.0062	38.6	0.0109	< 0.050	-	< 0.100		
FR SCOUT	FR SCOUT 2022-12-01 N 0900	2022-12-01	_	-	-		8.18		3180	2.2		_		< 1.0	< 1.0	< 0.250	4.26		1860	0.0194	40.8	0.0141	< 0.050	-	< 0.100	_	
FR SCOUT	FR SCOUT 2022-12-29 N 0900	2022-12-29	-	-	-		8.17	2550	3080	3.2	3210	0.24		< 1.0	< 1.0	< 0.250	4.1		1800	0.0158	41.7	0.0104	< 0.050	-	< 0.100		
FR_SP1	FR_SP1_MON_2022-01-04_N	2022-01-08	-	-	-		8.17	672	1100	1.4	759	0.21	503	< 1.0	< 1.0	< 0.250	0.76	0.249	294	0.0466	8.29	0.0144	0.409	-	0.0021	0.88	0.93
FR_SP1	FR_SP1_MON_2022-02-01_N	2022-02-06	-	-	-		8	1640	2380	2.6	2050	0.23		< 1.0	< 1.0	< 0.250	1.44	< 0.100		0.033	96.1	0.0163	< 0.050	-	0.01	3.45	
FR_SP1	FR_SP1_MON_2022-03-01_N	2022-03-04	-	-	-		8.09	674	1080	1.7	771	0.5	464	< 1.0	< 1.0	< 0.250	1.71		277	0.0404	7.08	0.0267	0.263	-	< 0.0020	0 0.64	_
FR_SP1 FR_SP1	FR_SP1_WEK_2022-03-14_N FR_SP1_WEK_2022-03-21_N	2022-03-19 2022-03-23	-	-	-		-	+	- -	2.8	-	3.99 4.45	-	-	<u> </u>	-	-	-	-	-	-	-	-	-	-	-	-
FR SP1	FR SP1 WEK 2022-03-21 N	2022-03-23	-	-	-		+ -	+ -	-	1.2	-	3.16	-		-	-		-	-	-	-	<u> </u>	-	-	+ -	+ -	-
FR SP1	FR SP1 MON 2022-04-01 N	2022-04-05	-	-	-		8.13		1250	1.8		1.58	448	< 1.0		< 0.250	2.04	0.34		0.078	6.57	0.0291	0.556	-	0.0038		
FR_SP1	FR_SP1_WEK_2022-04-11_N	2022-04-14	-	-	-		-	-	-	< 1.0		0.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-04-18_N	2022-04-19	-	-	-		-	-	-	1.1	-	0.64	-	-	-	-	-	-	-	-	-	-	-	-	-		
FR_SP1	FR_DC2_WEK_2022-04-25_N	2022-04-28	-	-	-		- 0.075	700.5	- 4005	1.4	- 045	0.42		-	- 110	-	- 1 24	-	-	- 0.00505	- 0 FFF	- 0.0450	- 0.405	-		- 4.00	- 4.40
FR_SP1 FR_SP1	FR_DC2_MON_2022-05-01_N FR_SP1_WEK_2022-05-09_N	2022-05-02 2022-05-12	-	-	-		8.075	738.5	1235	1.8	915	0.36		< 1.0	< 1.0	< 0.250	1.24	0.2655	357.5	0.02525	9.555	0.0153	0.425	-	< 0.0020		1.13
FR SP1	FR SP1 WEK 2022-05-09 N	2022-05-12		-	- 1		+ -	+	+	2.5	 -	0.19		-	 -	-	-	-	-	-	-	-	-	-	-	-	-
FR SP1	FR SP1 WEK 2022-05-10_N	2022-05-10	-	-	-	- -	-	-	-	< 1.0	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-05-30_N	2022-06-01	-	-	-		_	-	-	< 1.0	-	0.18		-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_MON_2022-06-01_N	2022-06-08	-	-	-		7.82		1200	1.2		0.13		< 1.0	< 1.0	< 0.250	1.11		282	0.0122	13.2	0.0085	0.448	-	0.0028		
FR_SP1	FR_FLD1_2022-06-13_N	2022-06-13	-	-	-		5.55		< 2.0	< 1.0		< 0.10		< 1.0		< 0.050	< 0.10		< 0.30	< 0.0050	< 0.0050		< 0.050	-	< 0.0020		< 0.50
FR_SP1 FR_SP1	FR_SP1_WEK_2022-06-13_N FR_SP1_WEK_2022-06-20_N	2022-06-13 2022-06-20	-	-	-	- -	-	+ -	 -	1.6	-	0.75 0.17	 -	-	-	 -	-	-	-	-	-	-	-	-	-	-	+
FR SP1	FR SP1 WEK 2022-06-20 N	2022-06-20	-	-	-		+ -	+	+	2.1	+ -	0.17	+-		H	-	-	-	-	-	+ -	-	-	-	-	-	+=
FR SP1	FR SP1 MON 2022-07-01 N	2022-07-04		-	-		8.09	691	1080	< 1.0	760	0.92		< 1.0	< 1.0	< 0.250	0.72	0.222	235	0.0069	10.9	< 0.0050	0.344	-	< 0.0020	0 0.7	0.91
FR_SP1	FR_SP1_WEK_2022-07-11_N	2022-07-12	<u>-</u>	-	-		-	-	-	2.1	-	0.55				-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_MON_2022-08-01_N	2022-08-02	-	-	-		8.07	632	875	1.1	753	0.5		< 1.0	< 1.0	< 0.250	1.05		272	0.0138	8.76	0.0197	0.482	-	0.0165		
FR_SP1	FR_DC2_MON_2022-09-01_NP	2022-09-08	- [-]	-]	- -	8.115		1090	1.45				< 1.0	< 1.0	< 0.250	0.885		321.5	0.01395	6.88	0.012	0.5135	-	0.0023		
FR_SP1	FR_SP1_WS_2022-09-30_NP	2022-09-30	-	-	-		7.81	767	1150	1.4	862	0.74	498	< 1.0	< 1.0	< 0.250	0.89	0.312		0.0273	6.02	0.0357	0.456	-	0.0031		_
FR_SP1	FR_SP1_MON_2022-10-01_N	2022-10-19	-	-	-	- -	7.94	798	1100	1.3	884	0.6	423	< 1.0	< 1.0	< 0.250	0.93	0.324		0.0511	5.71	0.0155	0.074	-	0.0036		
FR_SP1	FR_SP1_MON_2022-11-01_N	2022-11-03	-	-	-		8.13	699	1100	1.3	881	0.94	470	< 1.0	< 1.0	< 0.250	0.96	0.319	338	0.0175	5.24	0.0104	0.318	-	< 0.0020	0.93	0.99

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	Parame	eters			Р	hysical Pa	arameter	S				Diss	olved Ino	rganics					Nutrient	s				
																		Ĭ										Ę.
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity		LIG.	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahi Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	рН	mg/L	μS/cm m	ıV p	Н	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	. mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a 6	S Maximum	L Acute G Chronic	n/a n	MnuiuiW /a 6.5	တ Maximum	n/a	n/a	52 Acute Chronic	n/a	% Acute	n/a	n/a	n/a	n/a	900 Acute	Page 4	20 Chronic 128-429	9 0.681-28.7 ^b 0.102-2.08	Chronic 8:28 3:7	O.06-0.60° 0.02-0.20°	n/a	n/a	Chronic 0.015	n/a	n/a
Greenhills Operation	OU FOA WO 0000 04 00 ND	0000 04 40				1		00	200	500	1 110	000	1 0 00	0.45		1	1 . 0 0 5 0	1 07	0.405	50.0	0.0000	0.0000	10.0010	0.045				
GH_FC1 GH_FC1	GH_FC1_WS_2022-01-03_NP GH_FC1_WS_2022-02-07_NP	2022-01-10 2022-02-07		-		-			332 313	590 573	< 1.0 < 1.0		0.33		< 1.0 < 1.0	< 1.0 < 1.0	< 0.050			58.9 33.9	0.0063 0.0066	0.0306 0.0157	< 0.0010 < 0.0010	0.315	-	0.0086	8.4 7.17	8.06 7.21
GH_FC1	GH_FC1_WS_2022-02-07_NP GH_FC1_WS_2022-03-07_N	2022-02-07		-	÷	-			299	549	< 1.0		0.10		< 1.0	< 1.0	< 0.050				< 0.0050	0.0137	< 0.0010	0.25	-	< 0.0036		4.63
GH_FC1	GH_FC1_WS_2022-03-14_NP	2022-03-17	-	-	-	-	- 8.		288	585	1.4	367	0.27		< 1.0	< 1.0	< 0.050				0.0057	0.033	< 0.0010	0.149	-	0.0068	4.33	3.97
GH_FC1	GH_FC1_WS_2022-03-20_NP	2022-03-20	-	-	-	-			321	537	8.9	298	2.52	323	< 1.0	< 1.0	< 0.050				0.0058	0.0404	< 0.0010	0.198	-	0.0154	4.89	4.59
GH_FC1	GH_FC1_WS_2022-03-21_NP	2022-03-22	-	-	-	-			263	517	3.3	340	0.31		< 1.0	< 1.0	< 0.050				< 0.0050	0.0208	0.0021	0.218	-	0.0057	6.42	5.91
GH_FC1 GH_FC1	GH_FC1_WS_2022-03-28_NP GH_FC1_WS_2022-04-04_NP	2022-03-29	-	-	-	-			267 248	413	10.9	248	2.52 0.23		< 1.0	< 1.0	< 0.050	_			< 0.0050 < 0.0050	0.0055 0.0087	< 0.0010 < 0.0010	0.28	-	0.0235 0.0074	8.23	8.3 6.62
GH_FC1	GH FC1 WS 2022-04-04 NP	2022-04-06 2022-04-13		-	÷	-			255	439 473	2.5	251 249	0.23	_	< 1.0 < 1.0	< 1.0 < 1.0	< 0.050				< 0.0050	0.0087	0.0015	0.233	-	0.0074	6.63	5.74
GH FC1	GH FC1 WS 2022-04-18 NP	2022-04-13	-	_	-	-			266	459	1.2	285	0.18	_	< 1.0					14.8	0.0208	< 0.0050	< 0.0010	0.205	-	0.0083		5.79
GH FC1	GH FC1 WS 2022-04-25 NP	2022-04-27	-	-	-	-			259	462	1.3	278	0.38		10	< 1.0	< 0.050			15.3	< 0.0050	< 0.0050	< 0.0010	0.197	-	0.003	6.12	5.74
GH_FC1	GH_FC1_WS_2022-05-02_NP	2022-05-04	-	-	-	-	- 8.	56	262	471	3.4	298	0.11	304	10	< 1.0	< 0.050	0.32	0.118	14.1	0.0055	< 0.0050	< 0.0010	0.202	-	0.0038	6.14	5.76
GH_FC1	GH_FC1_WS_2022-05-09_NP	2022-05-11	-		-	-			257	468	2	312	0.27		1.8	< 1.0	< 0.050			16.8	< 0.0050	0.006	< 0.0010	0.225	-	0.0032	6.44	6.48
GH_FC1	GH_FC1_WS_2022-05-16_NP	2022-05-18	-	-	-				264	483	1.4		0.27		< 1.0	< 1.0	< 0.050			14.4	0.0085	0.0066	< 0.0010	0.241	-	0.0038	6.34	6.16
GH_FC1 GH_FC1	GH_FC1_WS_2022-05-23_NP	2022-05-27	-	-	-	-			287	484	1.6	297	0.3		< 1.0	< 1.0	< 0.050				< 0.0050 < 0.0050	0.005	< 0.0010	0.172	-	0.0032	5.96	5.89 4.66
GH_FC1	GH_FC1_WS_2022-05-30_NP GH_FC1_WS_2022-06-06_NP	2022-06-01 2022-06-08	-	-	-	-		39 15	270 266	497 508	1.3	306 300	0.17		7.3 < 1.0	< 1.0 < 1.0	< 0.050			13 13.9	0.0064	0.0089	< 0.0010 < 0.0010	0.409	-	0.003	5.02 6.06	5.97
GH FC1	GH FC1 WS 2022-06-13 NP	2022-06-05	-	-		-			255	428	1.7		0.11		10	< 1.0				9.26	0.0071	0.0137	< 0.0010	0.446	-	0.0043	8.71	7.58
GH FC1	GH FC1 WS 2022-06-20 NP	2022-06-22	-	-	-	-			314	496	1.3	298	0.24		10.9	< 1.0	< 0.050			8.2	< 0.0050	< 0.0050	< 0.0010	0.746	-	0.004	7.07	6.72
GH FC1	GH FC1 WS 2022-06-27 NP	2022-06-29	-	-	-	-			281	510	1.9	304	0.25		2.5	< 1.0	< 0.050			8.46	< 0.0050	< 0.0050	< 0.0010	0.244	-	0.004	6.27	5.98
GH_FC1	GH_FC1_WS_2022-07-04_NP	2022-07-06	-	-	-	-	- 8.	33	281	479	1.2	317	0.19	346	4.9	< 1.0	< 0.050	0.15	0.138	6.39	< 0.0050	0.006	0.0018	0.303	-	0.0036	6.24	6.3
GH_FC1	GH_FC1_WS_2022-07-11_NP	2022-07-13	-	-	-	-			284	508	< 1.0		0.44		< 1.0	< 1.0	< 0.050			7.09	< 0.0050	0.0064	< 0.0010	0.205	-	0.0034	5.92	5.74
GH_FC1	GH_FC1_WS_2022-08-01_NP	2022-08-04	-	-	-	-			302	526	< 1.0	332	0.22		12.6	< 1.0	< 0.050			2.27	0.0051	< 0.0050	< 0.0010	0.237	-	0.0036	6.05	5.84
GH_FC1	GH_FC1_WS_2022-09-05_NP	2022-09-08	-	-	-	-		.2	-	557	< 1.0		0.36		< 1.0	< 1.0	< 0.050			2.05	0.0063	0.0102	< 0.0010	0.205	-	0.004	6.48	6.34
GH_FC1 GH_FC1	GH_FC1_WS_2022-10-03_NP GH_FC1_WS_2022-11-07_NP	2022-10-05 2022-11-09	-	-		-			316 263	534 538	1.8 < 1.0	291 330	0.3	428 391	< 1.0 < 1.0	< 1.0 < 1.0	< 0.050			3.74 12.4	< 0.0050 0.0064	0.0057 0.0086	< 0.0010 < 0.0010	0.22	-	0.0031	6.08	5.99 5.38
GH GH1	GH_FCT_WS_2022-11-07_NP GH_GH1_WS_2022-01-03_N	2022-11-09	-	-		-			951	1520	1.4	1270	0.58		< 1.0	< 1.0	< 0.050				0.0004	4.57	0.006	0.241	-	0.0027	5.42 1.92	1.9
GH GH1	GH GH1 WS 2022-01-05 N	2022-01-04		_	-	-			1000	1480	< 1.0	1280	0.35		< 1.0	< 1.0	< 0.250				0.0138	5.16	0.0069	0.438	-	0.0031	1.64	1.65
GH GH1	GH GH1 WS 2022-02-19 N	2022-02-19	- 1	-	-	-			1000	1590	1.7	1420	0.84		12.5	< 1.0	< 0.250			752	0.0298	4.9	< 0.0050	0.461	-	0.0071	2.01	1.98
GH_GH1	GH_GH1_WS_2022-02-20_NP	2022-02-20	-	-		-			1030	1600	< 1.0	1380	0.57		13	< 1.0					0.0063	4.88	< 0.0050	0.4	-	0.0045	1.58	1.62
GH_GH1	GH_GH1_WS_2022-02-21_N	2022-02-21	-	-	-	-			963	1590	< 1.0	1390	0.58		12.5	< 1.0	< 0.250			754	0.0068	4.9	0.005	0.428	-	0.0053	1.58	2.01
GH_GH1	GH_GH1_WS_2022-03-07_N	2022-03-04		-	-	-	- 8.	29	1040	1590	1.4	1430	1.31	372	< 1.0	< 1.0	< 0.250	2.59	0.125	788	0.0224	5.2	0.0084	0.409	-	0.004	1.54	1.34
GH_GH1 GH_GH1	GH_GH1_WS_2022-03-14_N GH_GH1_WS_2022-03-21_N	2022-03-15 2022-03-21		-	-	-	-	-	-	-	1.6 4.5	-	3.6 4.25	+-	-	+-	-	-	-	-	-	-	-	-	-	-	-	-
GH GH1	GH_GH1_WS_2022-03-21_N GH_GH1_WS_2022-03-28_N	2022-03-21	-	-	<u> </u>	-		-	-	-	8.4	+ -	9.21			-	-	+ -	-	-	<u> </u>	-	-	-	-	-	-	-
GH GH1	GH FOX3 WS 2022-04-04 N	2022-03-20	-	-	-	-			614	1030	3.55	748	4.585		< 1.0			1.8		374.5	0.0122	2.48	0.00505	0.3505	-	0.01015		
GH_GH1	GH_GH1_WS_2022-04-04_N	2022-04-04	_	-	-	-		-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-04-11_N	2022-04-11	-	-	-	-	-	-	-	-	3.1	-	4.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-04-18_N	2022-04-19	-	-	-	-		-	-	-	1.9	-	2.06		-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-04-25_N	2022-04-26	-	-	•	-		-	-	-	9.9	-	14.8		-	+ -	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1 GH_GH1	GH_GH1_WS_2022-05-09_N	2022-05-10 2022-05-17	-	-	-			-	-	-	2.8	-	2.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-05-16_N GH_GH1_WS_2022-05-23_N	2022-05-17	-	-	-	-		-	-	-	1.8		1.44		-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH GH1	GH GH1 WS 2022-05-25 N GH GH1 WS 2022-05-30 N	2022-05-23	-	_				-	-	-	2.5	-	1.37		-	+ -	+-	-		_	-	-	-	-	-	+ -	+ -	+ -
GH GH1	GH GH1 WS 2022-06-06 N	2022-06-06		-	-				575	981	1			275			< 0.050			343	< 0.0050	2.61	0.0016	0.315	-	0.0041		
GH_GH1	GH_GH1_WS_2022-06-13_N	2022-06-14	-	-				-	-	-	1.3	-	0.82		-	-	-	-	-		-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-17_N	2022-06-17	-	-	-		-	-	-	-	34.2		61.7		-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-18_N	2022-06-18	-		-			-	-	-	30.9		25.5		-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-19_N	2022-06-19	-	-	-			-	-	-	17.3		17.8		-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-20_N	2022-06-20	-	-	-	-	-	-	-	-	10.6	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	l Parame	eters	[F	Physical Pa	rameter	s				Disso	olved Inor	ganics					Nutrient	s				
																												uo
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Field ORP	Нd	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	pН	mg/L	μS/cm	mV	pH	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			,	Minimum	Acute Chronic		,	Minimum	,	,	Acute		Acute		,	,	,	Acute	Acute	Chronic	Acute	Acute	Acute Chronic	. ,	,	Chronic		
BC WQG FWAL Greenhills Operation			n/a	6.5 9	1 5	n/a	n/a	6.5 9	n/a	n/a	25 5	n/a	8 2	n/a	n/a	n/a	n/a	600 150	0.4-	128-429	0.681-28.7° 0.102-2.08	32.8 3.7	0.06-0.60° 0.02-0.20°	n/a	n/a	0.015	n/a	n/a
GH GH1	GH GH1 WS 2022-06-21 N	2022-06-21	- 1	-	-	-	-	-	-	-	7.9	-	11.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-22_N	2022-06-22	-	-	-	-	-	-	-	-	6.5	-	6.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-27_N	2022-06-27	-	-	-	-	-	-	-	-	3.4	-	6.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1 GH GH1	GH_GH1_WS_2022-07-04_N GH FOX3 WS 2022-07-04 N	2022-07-04 2022-07-04	 -	-	-	-	-	7.49	355.5	595.3333	2.6667	430.67	2.57	182	7.33333	< 1.0	< 0.250	0.66667	0.0787	214.433	0.007533333	1.4183333	< 0.0050	0.2283	-	0.0058	3.16333	3 3.09
GH_GH1	GH_GH1_WS_2022-07-11_N	2022-07-11	<u> </u>	-	-	-		-	-	-	3.3	-	2.77		-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-08-01_N	2022-08-04	-	-	-	-	-	8.44	937	1340	2.6	1130	0.9	306	15.7	< 1.0	< 0.250	1.29		614	0.0093	3.83	0.0097	0.532	-	0.0059	2.74	2.8
GH_GH1 GH_GH1	GH_GH1_WS_2022-09-05_N GH_GH1_WS_2022-10-03_N	2022-09-06 2022-10-03	-	-	-	-	-	8.49 8.35	1020 1130	1510 1480	1.4 2.9	1350 1410	1.06	264 286	13.9 5.2	< 1.0 < 1.0	< 0.250 < 0.250	1.59 1.5	0.149	784 840	0.008 < 0.0050	4.81 4.83	0.0154 0.0153	0.4 0.426	-	0.0032	1.76 1.95	1.67 2.18
GH GH1	GH GH1 WS 2022-10-03_N	2022-10-03	+ - 1	-	-	-	-	8.39	1080	1520	1.2	1410	1.44		12.8	< 1.0	< 0.250	2.76	0.147		< 0.0050	4.63	0.0133	0.420	-	0.0049	1.57	1.56
GH_GH1	GH_GH1_WS_2022-11-07_N_CALC	2022-11-07	-	-	-	-	-	8.35	1130	1550	1.7	1440	1.31	303	5.4	< 1.0	< 0.250	1.74	0.163	842	< 0.0050	4.93	0.0062	0.401	-	0.0035	1.19	1.06
GH_GH1	GH_GH1_WS_2022-11-10_N	2022-11-10	-	-	-	-	-	8.39	970	1630	1.2	1430	1.12		8.3	< 1.0	< 0.250	1.83	0.158		0.005	4.83	0.0073	0.496	-	0.004	1.85	1.8
GH_GH1 GH_LC1	GH_FOX1_WS_2022-11-17_FD GH_LC1_WS_2022-06_06_N	2022-11-17 2022-06-19	-	-	-	-	-	7.3533 8.09	713.5 387	1047.333 743	1.4 17.6	963.33 523	0.6533 19		6.46667 < 1.0	< 1.0 < 1.0	< 0.250 < 0.050	1.24667 0.87	0.1193	570.77 186	0.007633333 < 0.0050	3.3516667 7.54	0.004633333 0.0101	0.2743	-	0.002567 0.0293	1.26333 4.45	_
GH LC1	GH LC1 WS 2022-06-20 N	2022-06-19	-	-	-	-	-	8.2	291	581	12	374	14		< 1.0	< 1.0	< 0.050	0.64		113	0.35	3.78	0.0053	0.335		0.0254	4.85	4.64
GH_PC1	GH_PC1_WS_2022-08-01_N	2022-08-08	-	-	-	-	-	8.37	609	958	2	734	0.34		7.8	< 1.0	< 0.050	0.81	0.376		< 0.0050	1.54	0.0022	0.2	-	0.0049	1.24	1.29
GH_PC1	GH_PC1_WS_SESMP_2022-08_N	2022-08-17	-	-	-	-	-	8.43	592	958	1.5	748	0.34		11.3	< 1.0	< 0.250	1.02		376	0.0067	1.66	< 0.0050	0.1	-	0.0046	0.9	0.9
GH_PC1 GH_PC1	GH_PC1_DS_WS_2022-08-24_NP	2022-08-24	-	-	-	-	-	8.5	596	940	1.2 < 1.0	790	0.36	260	8.8	< 1.0	< 0.250	0.97	0.388		0.0066 0.0361	1.67 1.64	< 0.0050 < 0.0010	0.064	-	0.0048	0.77	0.9
GH_PC1	GH_PC1_DS_WS_2022-08-25_NP GH_PC1_DS_WS_2022-08-26_NP	2022-08-25 2022-08-26	+ -	-	-	-	-	8.3 8.31	565 595	966 940	< 1.0	763 779	0.47		2.5 3.7	< 1.0 < 1.0	< 0.050 < 0.050	0.8	0.386		< 0.0050	1.65	< 0.0010	0.202	-	0.0067	0.86	0.89 1.01
GH_PC1	GH_PC1_DS_WS_2022-08-27_NP	2022-08-27	-	-	-	-	-	8.44	537	948	2.6	740	0.47		6.7	< 1.0	< 0.250	1.1	0.376		< 0.0050	1.66	< 0.0050	< 0.050	-	0.0075	1.21	1.16
GH_PC1	GH_PC1_DS_WS_2022-08-28_NP	2022-08-28	-	-	-	-	-	8.45	524	954	1.7		0.38		6.8	< 1.0	< 0.250	0.93	0.375		0.116	1.63	< 0.0050	0.323	-	0.0092	0.98	0.95
GH_TC2	GH_TC2_WS_2022-01-03_N	2022-01-12	-	-	-	-	-	8.26	1080	1790	3.4	1500	1.02		< 1.0	< 1.0	< 0.250	12.6	< 0.100		0.0173	12.6	0.0097	0.366	-	0.0073	1.86	1.55
GH_TC2 GH_TC2	GH_TC2_WS_2022-02-07_N GH_TC2_WS_2022-03-07_N	2022-02-08 2022-03-08	-	-	-	-	-	8.29 8.06	1090 1110	1780 1760	< 1.0 2.9	1620 1530	0.54 < 0.10		2.3 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250	13.7 12.7	< 0.146	852 879	0.0154 0.0138	13	0.0059 0.0135	0.327	-	0.0091	2.08 1.8	2.1 1.72
GH TC2	GH TC2 WS 2022-03-14 N	2022-03-17	-	-	-	-	-	-	-	-	< 1.0		0.44		-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-03-20_N	2022-03-20	-	-	-	-	-	-	-	-	1.7	-	0.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2 GH_TC2	GH_TC2_WS_2022-03-21_N	2022-03-23	-	-	-	-	-	-	-	-	1.7	-	4.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-03-28_N GH_TC2_WS_2022-04-04_N	2022-03-31 2022-04-06	+ -	-	-	-	-	8.26	- 685	1080	4.8 2.6	839	4.3	260	< 1.0	< 1.0	< 0.250	- 8.81	0 104	442	< 0.0050	5.34	< 0.0050	0.516	-	0.0104	4.48	4.26
GH TC2	GH TC2 WS 2022-04-11 N	2022-04-12	-	-	-	-	-	-	-	-	5.4	-	3.11		-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-04-18_N	2022-04-21	-	-	-	-	-	-	-	-	4.1	-	1.14	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2 GH_TC2	GH_TC2_WS_2022-04-25_N	2022-04-27	-	-	-	-	-	8.52	- 468	- 869	9.7	- 631	6.57	216	7 1	< 1.0	- 0.050	7.21	- 0.076	277	0.0095	3.02	0.0017	0.512	-	0.0166	- 5 30	- 4 08
GH_TC2	GH_TC2_WS_2022-05-02_N GH_TC2_WS_2022-05-09_N	2022-05-04 2022-05-11	-		-	-	-	0.52	468	- 869	4.8	631	5.56 3.58		7.1	< 1.0	< 0.050	-	0.076	-	0.0095	3.02	0.0017	0.512	-	0.0166	5.39	4.98
GH_TC2	GH_TC2_WS_2022-05-16_N	2022-05-18	5.7		11.56	-	205	-	-		3.8	-	2.68		_	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-05-23_N	2022-05-27	-	-	-	-	-	-	-	-	< 1.0	-	1.54		-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2 GH_TC2	GH_TC2_WS_2022-05-30_N GH_TC2_WS_2022-06-06_N	2022-06-01 2022-06-08	-	-	-	-	-	8.38	606	- 1150	1.4	- 858	0.95		5.2	< 1.0	< 0.250	- 7.95	< 0.100	461	0.006	4.61	- < 0.0050	0.461	-	0.0054	4.86	4.93
GH_TC2	GH_TC2_WS_2022-06-06_N GH_TC2_WS_2022-06-13_N	2022-06-06	-	-	-		-	-	-	-	5.7	-	4.2		5.2	- 1.0	- 0.230		- 0.100	-	-	-	- 0.0050	-	-	-	- 4.00	+.93
GH_TC2	GH_TC2_WS_2022-06-20_N	2022-06-22	-	-	-	-	-	-	-	-	1.8	-	3.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-06-27_N	2022-06-29	-	-	-	-	-]	-	-	-	1.8	-	1.82		-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2 GH_TC2	GH_TC2_WS_2022-07-04_N GH_TC2_WS_2022-07-11_N	2022-07-06	-	-	-	-	-	8.4	640	1040	3.6 1.4		2.88 0.96	245	6.8	< 1.0	< 0.250	7.89	0.112	417	0.0099	4.17	0.0164	0.498	-	0.011	4.87	4.61
GH_TC2	GH_TC2_WS_2022-07-11_N GH_TC2_WS_2022-08-01_N	2022-07-13 2022-08-03	-	-	-	-	-	8.23	907	1630				273		< 1.0	< 0.250	9.68		833	0.0178	8.6	0.0345	0.843	-	0.0079	3.38	3.43
GH_TC2	GH_TC2_WS_SESMP_2022-08_N	2022-08-22	-	-	-	-		8.29	1350	1800	5.4	1740	1.29	243	< 1.0		< 0.250		< 0.100		0.0138	11.3	0.0277	0.611	-	0.0171	2.96	
GH_TC2	GH_TC2_WS_2022-09-05_N	2022-09-08	-	-	-	-	-	8.19	-	1890	2.5			255	< 1.0		< 0.050		< 0.020		0.0085	2.35	0.0023	0.162	-	0.008	2.77	
GH_TC2 GH_TC2	GH_TC2_WS_2022-09-14_N GH_TC2_WS_2022-09-21_N	2022-09-14 2022-09-21	-	-	-	-	-	8.33 8.27	1420	1940 1900	<u>4</u> 5			257 271	7.4 < 1.0		< 0.250 < 0.250			1070 1040	0.009 0.0073	12.4 12.2	0.0277 0.0098	0.638	-	0.0056		2.04
GH_TC2	GH_TC2_WS_2022-09-21_N GH_TC2_WS_2022-09-22_N	2022-09-21	-	-	-	-	-	8.21	1310 1310	1900	2.4			261	< 1.0					1020	0.0073	12.2	0.0096	0.78	-	0.0084		
GH_TC2	GH_TC2_WS_2022-09-23_N	2022-09-23	-	-	-	-		8.31	1280	1900	2.1	1570	0.72	246	4	< 1.0	< 0.250	11.7	< 0.100	1030	0.0075	12.1	0.0067	0.353	-	0.0056	2.22	2.2
GH TC2	GH TC2 WS 2022-09-24 N	2022-09-24	-	-	-	-	-	8.26	1200	1850	2.5	1750	0.5	269	< 1.0	< 1.0	< 0.250	12	< 0.100	1070	0.0106	12.6	0.0082	0.145		0.0044	2.17	2.28

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Fiel	d Param	eters			Р	hvsical Pa	rameter	s		1		Disso	Ived Inor	nanics					Nutrien	ıts			
				1	1	1			-	,		Ĭ				1		Ju00						Ĭ		T	
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Field ORP	Hd	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon Dissolved Organic Carbo
Location	ID	(yyyy-mm-dd)	С	pН	mg/L	μS/cm	mV	рН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L mg/L
				Minimum .	Acute Chronic			Minimum Maximum		•	Acute Chronic	Ĭ	Acute		*		Ĭ	Acute Chronic	Acute	Chronic	Acute	Acute Chronic	Acute Chronic		*	Chronic	
BC WQG FWAL			n/a	6.5 9	1 5	n/a	n/a	6.5 9	n/a	n/a	25 5	n/a	8 2	n/a	n/a	n/a	n/a	600 150	0.4- ^a	128-429 ^a	0.681-28.7 ^b 0.102-2.08 ^b	32.8 3.7	0.06-0.60° 0.02-0.20) ^c n/a	n/a	0.015	n/a n/a
Greenhills Operation GH TC2	GH TC2 WS 2022-09-25 N	2022-09-25	_		1	т.		8.26	1310	1880	< 1.0	1750	0.77	272	< 1.0	-10	< 0.250	11.9	< 0.100	1040	0.0104	12.5	0.0119	0.247		0.0051	2.25 2.24
GH_TC2	GH_TC2_WS_2022-09-25_N GH_TC2_WS_2022-09-26_N	2022-09-25	-	 -	+ -	 -		8.26	1260	1870	2.1	1770	0.77		< 1.0		< 0.250	12	< 0.100	1040	0.0104	12.9	0.0119	0.247		0.0051	2.25 2.24
GH TC2	GH TC2 WS 2022-09-26 N GH TC2 WS 2022-09-27 N	2022-09-20	+ -	+ -	+ -	H -		8.23	1430	1880	3.5	1680	0.96		< 1.0	< 1.0	< 0.250	11.8	< 0.100	1070	0.0074	12.5	0.0097	0.017		0.0001	2.22 2.27
GH TC2	GH_TC2_WS_2022-03-27_N GH_TC2_WS_2022-10-03_N	2022-10-05	+		1	+	-	8.24	1350	1940	1.9	1750	0.88		< 1.0		< 0.250	12.1	< 0.100	1040	< 0.0050	12.6	0.0102	0.234		0.004	2.65 2.71
GH TC2	GH TC2 WS 2022-11-07 N	2022-10-03			+ -	-		8.35	1300	1920	1.8	1640	0.62		6.2	< 1.0	< 0.250	13.5	< 0.100	1070	0.0081	13.1	0.0068	0.368		0.0036	2.93 2.77
GH WC1	GH FOX1 WS 2022-01-03 N	2022-11-03		-	+ -				1113.5	1697.333	2.5333		0.1267	_			< 0.250			853.43	0.009166667	42.935	0.004433333	< 0.050		0.002633	
GH WC1	GH FOX2 WS 2022-02-07 N	2022-02-07	-	-	-	-	- 1		1086.83	1727.333	3	1510	< 0.10		< 1.0	< 1.0	< 0.250	2.34		866.77	0.007166667	43.035	< 0.0050	0.151			1.79333 1.76
GH WC1	GH FOX2 WS 2022-03-07 N	2022-03-09	-	-	-	-	- 1		1073.5	1677.333	-		0.1		< 1.0		< 0.250	2.84333		836.77	< 0.0050	40.10167	0.0038	0.3873	-	0.002533	
GH WC1	GH WC1 WS 2022-03-14 N	2022-03-16	_	-	-	-	- 1	8.2	1500	2320	2.5	1940	0.17		< 1.0	< 1.0	< 0.250	3.25	< 0.100	1140	< 0.0050	54.2	< 0.0050	< 0.050		0.0034	2.77 3.04
GH WC1	GH WC1 WS 2022-03-21 N	2022-03-23	-	-	-	-	-	8.32	1400	2280	2.1	2080	0.62		5.3		< 0.250	3.7	< 0.100	1040	< 0.0050	51.6	0.0112	1.46	-	0.0041	2.58 2.57
GH WC1	GH WC1 WS 2022-03-28 N	2022-03-30	-	-	-	-	-	8.29	792	1340	1.3	1030	2.03		< 1.0		< 0.250	1.56	0.109	533	< 0.0050	23.5	< 0.0050	0.144	-	0.0052	4.05 4.02
GH WC1	GH WC1 WS 2022-04-04 N	2022-04-05	-	-	-	-	-	8.35	891	1470	2.3	1170	0.76	_	4.8	< 1.0	< 0.250	1.68	0.114	616	< 0.0050	27	< 0.0050	0.128	-	0.004	4.93 4.67
GH WC1	GH WC1 WS 2022-04-11 N	2022-04-13	-	-	-	-	-	8.3	1060	1700	1.2	1320	0.8	316	< 1.0	< 1.0	< 0.250	1.86	0.103	704	< 0.0050	32.2	< 0.0050	< 0.050		0.0046	3.51 3.63
GH WC1	GH WC1 WS 2022-04-18 N	2022-04-20	-	-	-	-	- 1	8.34	1200	1960	< 1.0	1810	0.36	289	4.1	< 1.0	< 0.250	2.12	< 0.100	868	< 0.0050	42.7	0.011	2.48	-	0.004	3.13 3.19
GH_WC1	GH_WC1_WS_2022-04-25_N	2022-04-26	-	-	-	-	-	8.38	1120	1890	4.4	1680	1.48	280	8.6	< 1.0	< 0.250	2.35	0.11	870	0.0052	39.4	0.0175	1.32	-	0.0034	4.15 3.99
GH_WC1	GH_WC1_WS_2022-05-02_N	2022-05-03	-	-	-	-	-	8.47	1260	2090	4.6	1660	0.48	291	13.9	< 1.0	< 0.250	2.22	< 0.100	980	< 0.0050	43.1	0.0097	< 0.050	-	0.0034	3.33 3.49
GH_WC1	GH_WC1_WS_2022-05-09_N	2022-05-10	-	-	-	-	-	8.38	1280	2010	2.7	1800	0.73	284	6.8	< 1.0	< 0.250	2.3	< 0.100	979	0.008	42.8	0.0128	< 0.050	-	0.0054	3.56 3.57
GH_WC1	GH_WC1_WS_2022-05-16_N	2022-05-17	-	-	-	-	-	8.4	1620	2290	3.6	2060	0.4	309	7.2	< 1.0	< 0.250	2.64	0.102	1160	0.0114	49.2	0.0189	< 0.050	-	0.0036	2.75 2.96
GH_WC1	GH_WC1_WS_2022-05-23_N	2022-05-25	-	-	-	-	-	8.42	1660	2510	1.2	2500	0.32	299	14	< 1.0	< 0.250	2.72	< 0.100	1280	< 0.0050	54.4	0.0329	< 0.050	-	0.0036	2.72 2.6
GH_WC1	GH_WC1_WS_2022-05-30_N	2022-05-31	-	-	-	-	-	8.4	1720	2620	2.6	2410	0.24	309	11.8	< 1.0	< 0.250	2.63	0.102	1330	< 0.0050	57.4	0.0397	< 0.050	-	0.0032	2.97 2.92
GH_WC1	GH_WC1_WS_2022-06-06_N	2022-06-07	-	-	-	-	-	8.37	1770	2630	4.3	2300	0.36	324	7.9	< 1.0	< 0.250	2.6	< 0.100	1280	0.0076	57	0.0461	0.738	-	0.0034	2.75 2.74
GH_WC1	GH_WC1_WS_2022-06-13_N	2022-06-14	-	-	-	-	-	8.32	1450	2190	3.8	1970	1.23	300	5.4	< 1.0	< 0.250	2.16	< 0.100	1120	< 0.0050	43.2	0.0154	2.63	-	0.0048	2.84 3.07
GH_WC1	GH_WC1_WS_2022-06-20_N	2022-06-22	-	-	-	-	-	8.41	1230	1850	1.4	1520	0.26	310	6.6	< 1.0	< 0.250	1.61	< 0.100	762	< 0.0050	32.5	0.0172	0.434		0.004	2.82 2.95
GH_WC1	GH_WC1_WS_2022-06-27_N	2022-06-29	-	-	-	-	-	8.35	1570	2330	2.4	2060	0.29		< 1.0	< 1.0	< 0.250	2.19	< 0.100	1130	0.0057	45.2	0.0223	< 0.050	-	0.0046	3.22 3.36
GH_WC1	GH_FOX2_WS_2022-07-04_N	2022-07-05	-	-	-	-	-	7.3567	953.5		9.7333		10.3		8.66667		< 0.250	1.34667		700.1	< 0.0050	28.335	0.009766667	< 0.050	-	0.011267	
GH_WC1	GH_WC1_WS_2022-07-11_N	2022-07-12	-	-	-	-	-	8.2	1630	2590	4.2	2580	0.18		< 1.0		< 0.250	2.43	0.106	1330	< 0.0050	55	0.047	< 0.050	-	0.0038	2.78 2.76
GH_WC1	GH_WC1_WS_2022-08-01_N	2022-08-03	-	-	-	-	-	8.28	1950	2940	2.7	3050	0.22		< 1.0		< 0.250	3.03	0.11	1600	0.012	68	0.0762	0.086	-	0.0041	2.37 2.37
GH_WC1	GH_FOX2_WS_2022-09-05_N	2022-09-07	-	-	-	-	-	7.3067		1994	2.9333				< 1.0		< 0.250	2.08	< 0.100	1073.4	0.0055	46.56833	0.050533333	3.8727	-	0.002567	
GH_WC1	GH_WC1_WS_2022-09-12_N	2022-09-12	-	-	-	-	-	8.32	2170	2950	2.3	3000	0.28		5.2	< 1.0	< 0.250	3.25	0.108	1640	< 0.0050	71.8	0.0617	4.71	-	0.003	2.43 2.39
GH_WC1	GH_WC1_WS_2022-10-03_N	2022-10-04	-	-	-	-	-	8.27	2340	2790	3.7	2930	0.2		< 1.0	< 1.0	< 0.250	3.4	< 0.100	1740	< 0.0050	74.6	0.0538	2.14	-	0.0031	2.24 2.11
GH_WC1	GH_FOX2_WS_2022-11-07_N	2022-11-08	-	-	-	-	-	7.3967	1293.5	1927.333	1.5333	1830	0.2333	3 239	< 1.0	< 1.0	< 0.250	2.39	< 0.100	1123.4	0.006533333	44.50167	0.008066667	2.2633	-	< 0.0020	2.32333 2.21

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	l Param	eters			F	Physical Pa	arameters	3				Disso	olved Ino	rganics					Nutrient	s				
																												r.
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Held OKP	Hd	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	рН	mg/L	μS/cm n	nV	pН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a	Minimum 2:9 Maximum	1 Acute c Chronic	n/a r	mnwiviW	o Maximum	n/a	n/a	Ghronic Chronic	n/a	AcuteChronic	n/a	n/a	n/a	n/a	Chronic Chronic	0 0.4-a	128-429°	Acute O.681-28.7 ^b 0.102-2.08	Acute Ohronic 32.8 3.7	O.06-0.60° 0.02-0.20°	n/a	n/a	Chronic 0.015	n/a	n/a
Line Creek Operation													0.04					40.0		212	0.0000	47.0	1 0 0050					
LC_DCDS	LC_DCDS_WS_Q1-2022_N	2022-01-05	-	-	-	-		7.88	513	1020	< 1.0		0.21		< 1.0	< 1.0	< 0.250			210	0.0068	47.8	< 0.0050	0.464	-	0.0268	1.66	1.44
LC_DCDS LC_DCDS	LC_DCDS_WS_2022-01-10_N LC_DCDS_WS_2022-01-17_N	2022-01-12 2022-01-19	-		-	-		3.14 3.14	499 557	1060 1090	1.8	748 769	0.26	172 199	< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250	16.8 18.4		243 246	0.008 0.02	49.9 52.1	< 0.0050 < 0.0050	< 0.050 < 0.050	-	0.0259 0.0244	1.21 2.11	1.1 2.42
LC_DCDS	LC_DCDS_WS_2022-01-17_N LC_DCDS_WS_2022-01-24_N	2022-01-19	 - 		+ -	-		3.26	516	1120	< 1.0	776	0.31		< 1.0	< 1.0	< 0.250	19		226	0.0059	50.4	< 0.0050	0.456	-	0.0244	1.83	2.42
LC DCDS	LC DCDS WS 2022-01-24_N	2022-01-20	- 1	-	-			3.18	552	1110	< 1.0	716	0.14	210	< 1.0	< 1.0	< 0.250	19.5	< 0.100		0.0191	50.3	0.0061	< 0.050	-	0.0222	1.85	1.8
LC DCDS	LC DCDS MNT 2022-02-08 N	2022-02-09	-	-	-			3.26	598	1120	1.3	670	0.16	196	< 1.0	< 1.0	< 0.050	20.2	0.085		0.0097	46.5	0.0044	< 0.050	-	0.0224	1.51	1.61
LC DCDS	LC DCDS WS 2022-02-14 N	2022-02-15	-	-	-	-		3.31	551	1070	< 1.0	728	0.24	197	2.3	< 1.0	< 0.250	19		227	0.0104	47.2	< 0.0050	< 0.050	-	0.0248	1.72	1.76
LC_DCDS	LC_DCDS_WS_2022-02-21_N	2022-02-22	- 1	-	-	-		3.17	568	1110	< 1.0	842	0.29		< 1.0	< 1.0	< 0.250	19.5	< 0.100		< 0.0050	52.3	0.0067	< 0.050	-	0.025	1.72	1.6
LC_DCDS	LC_DCDS_WS_2022-02-28_N	2022-03-01	-	-	-	-	- 8	3.02	527	1060	< 1.0	684	0.29	200	< 1.0	< 1.0	< 0.250	18.2	< 0.100		< 0.0050	46.7	0.0073	0.487	-	0.0256	1.99	1.9
LC_DCDS	LC_DCDS_WS_2022-03-07_N	2022-03-08	-	-	-	-		3.11	552	1080	1.2	770	0.11	198	< 1.0	< 1.0	< 0.250			224	< 0.0050	47.8	0.0076	0.504	-	0.0233		1.44
LC_DCDS	LC_DCDS_WS_2022-03-14_N	2022-03-15	-	-	-	-		3.05	541	1110	1.3	780	0.18	192	< 1.0	< 1.0	< 0.050	21		236	< 0.0050	49.4	0.0033	0.514	-	0.0216	1.73	1.64
LC_DCDS	LC_DCDS_WS_2022-03-21_N	2022-03-23	-	-	-	-		3.09	605	1040	1.1	715	0.32		< 1.0	< 1.0	< 0.250	18.9	< 0.100		< 0.0050	44.1	0.0059	0.336	-	0.0225	1.86	1.84
LC_DCDS	LC_DCDS_WS_2022-03-28_N	2022-03-30	-	-	-	-		.615	142.75	295	1.2	210	0.96	82	< 1.0	< 1.0	< 0.050	4.26		52.65	< 0.0050	9.3025	0.00235	0.233	-	0.0166		1.3
LC_DCDS LC_DCDS	LC_DCDS_WS_Q2-2022_N	2022-04-06	-	-	-			3.18	301	602	< 1.0		0.17	167	< 1.0	< 1.0	< 0.050	7.76 7.26		99.4 101	< 0.0050 < 0.0050	17.7 16.2	0.0029 0.0021	0.467	-	0.0272		2.02
LC_DCDS	LC_DCDS_WS_2022-04-11_N LC_DCDS_WS_2022-04-18_N	2022-04-12 2022-04-17	-		-			7.88	263 324	554 666	< 1.0 < 1.0	378 412	0.7	166 168	< 1.0 < 1.0	< 1.0 < 1.0	< 0.050 < 0.050	9.53	0.096		< 0.0050	21.1	0.0021	< 0.050	-	0.0241 0.0233	2.33 1.76	2.12 1.78
LC DCDS	LC DCDS WS 2022-04-16_N	2022-04-17	1 -		H			3.19	306	654	1.5	475	0.62	168	< 1.0	< 1.0	< 0.050	9.17	0.076		< 0.0050	19.8	0.0017	0.132		0.0233	2.57	2.47
LC DCDS	LC DCDS MNT 2022-05-03 N	2022-05-03	-	-	_	- +		8.1	268	551	2.3		1.43		< 1.0	< 1.0	< 0.050		0.093		< 0.0050	15	0.0037	< 0.050	-	0.0243		2.3
LC DCDS	LC DCDS WS 2022-05-09 N	2022-05-11	-	-	-	- 1		3.21	291	572	< 1.0	410	0.66	149	< 1.0	< 1.0	< 0.050	6.15	0.074		< 0.0050	15.8	0.0045	2.01	-	0.026	2.45	2.33
LC DCDS	LC CC3 WS 2022-05-16 N	2022-05-17	-	-	-	-		2867	203.5	406	1.1667		0.8233		1.26667	< 1.0	< 0.050			88.4333	0.0067	11.36833	0.006466667	1.2867	-	0.01593		1.48
LC_DCDS	LC_DCDS_WS_2022-05-23_N	2022-05-24	-	-	-	-	- 8	3.35	298	628	2.5	428	0.36	158	1.4	< 1.0	< 0.050	6.94	0.082	125	< 0.0050	16.9	0.0061	0.194	-	0.0192	2.12	2.3
LC_DCDS	LC_CC3_WS_2022-05-30_N	2022-05-31	-	-	-	-	- 8	.365	278	564.5	1.6	411	0.57	150	2.95	< 1.0	< 0.050	5.14	0.081	114	< 0.0050	13.2	0.0056	< 0.500		0.0212	2.025	2.03
LC_DCDS	LC_DCDS_MNT_2022-06-07_N	2022-06-07	-	-	-	-	- 8	3.24	296	611	< 1.0	394	0.55	172	< 1.0	< 1.0	< 0.050	5.73	0.074		< 0.0050	15.5	0.0055	1.27	-	0.0204	2.56	2.41
LC_DCDS	LC_DCDS_WS_2022-06-13_N	2022-06-14	-	-	-	-	-	8	326	654	1.9	412	0.94	152	< 1.0	< 1.0	< 0.050	7.01	0.082	149	< 0.0050	18	0.0064	1.66	-	0.0171	1.85	1.88
LC_DCDS	LC_DCDS_WS_2022-06-17_N	2022-06-17	-	-	-	-	-	-	-	-	22.8	-	14.4	-	-	-	-	-	-	-	-	-	-	-	-	 '	-	
LC_DCDS	LC_DCDS_WS_2022-06-17_NP1	2022-06-17	-	-	-	-	-	-	-	-	21.6	-	- 445	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_DCDS LC_DCDS	LC_DCDS_WS_2022-06-19_N LC_CC3_WS_2022-06-20_N	2022-06-19 2022-06-21	-		-	-	- 0	.125	233.5	447	15.3 10.65	316	14.5 11.75	152.5	< 1.0	< 1.0	< 0.050	3.96	0.070	84.55	0.0064	9.555	0.01015	< 0.500	-	0.0355	3.665	2.935
LC_DCDS	LC_CC3_W3_2022-00-20_N LC DCDS WS 2022-06-27 N	2022-06-28	-		+	-		3.27	278	585	2.8	403	1.07	152.5	< 1.0	< 1.0	< 0.050	6.34	0.078		< 0.0050	14.9	0.013	2.11	-	0.0355	2.43	2.933
LC DCDS	LC DCDS WS Q3-2022 N	2022-00-20	1 - 1		-			3.32	338	651	1.6	442	0.54	156	3.4	< 1.0	< 0.050	8.16	0.082		< 0.0050	18	0.0233	2.6		0.0243	2.45	1.98
LC DCDS	LC CC3 WS 2022-07-11 N	2022-07-12	- 1	-	-	-		.395	367.5	672.5	< 1.0	499.5	0.575		4.2	< 1.0	< 0.050	8.625		160.5	0.0066	19.35	0.01415	0.8455	-	0.0189	1.77	1.845
LC_DCDS	LC_DCDS_WS_2022-07-18_N	2022-07-18	- 1	-	-	-		3.88	399	763	1.8	553	0.66	215	< 1.0	< 1.0	< 0.050	9.62	0.093		< 0.0050	21.4	0.0296	0.894	-	0.0202	2	1.61
LC_DCDS	LC_DCDS_WS_2022-07-25_N	2022-07-25					- 8	3.21	406	768	1.9	557	1.08	152	< 1.0	< 1.0	< 0.050	11.1	0.098		0.0217	24.5	0.0639	< 0.050	-	0.0187	2.51	2.38
LC_DCDS	LC_CC3_MNT_2022-08-02_N	2022-08-02	-	-	-	-		.325	419	853.5	< 1.0	677	0.585		5.25	< 1.0	< 0.250	12.3		211.5	0.00605	29.5	0.03255	2.52	-	0.0207	1.765	1.675
LC_DCDS	LC_DCDS_WS_2022-08-08_N	2022-08-09	- 1	-	-	-		3.29	469	902	< 1.0		0.32	179	3.7	< 1.0	< 0.050	13.3		232	0.0072	30.6	0.0073	1.56	-	0.02	1.89	1.94
LC_DCDS	LC_DCDS_WS_SESMP_2022-08_N	2022-08-18	-	-	-	-		3.35	509	951	< 1.0	656	0.37	181	4.7	< 1.0	< 0.250	14.9		246	0.0079	34.5	0.0127	2.11	-	0.0235	1.57	1.41
LC_DCDS	LC_DCDS_WS_2022-08-22_N	2022-08-23	-	-	-	-			256.75	471.5	1.4				< 1.0	< 1.0	< 0.250			124.65	0.0189	17.6525	0.0049	0.845	-	0.01365		1.035
LC_DCDS LC_DCDS	LC_DCDS_WS_2022-08-29_N	2022-08-30	-	-	-	-		.715 3.28	261.25	488 995	< 1.0 2.9	368.5 751	0.23	94	< 1.0 < 1.0	< 1.0 < 1.0	< 0.250	7.55 16.3	< 0.100	124.15 271	0.0081 0.0099	17.5525 38.7	0.00475 0.0097	0.72 < 0.500	-	0.0174	1.255 1.64	1.185 1.78
LC_DCDS LC DCDS	LC_DCDS_MNT_2022-09-06_N LC_DCDS_WS_2022-09-12_N	2022-09-06 2022-09-13	-		-	-		3.24	566 557	995	< 1.0		0.33		< 1.0	< 1.0	< 0.250 < 0.250	17	< 0.100		0.0099	39.5	0.0097	3.18	-	0.0252 0.0218	1.64	1.78
LC DCDS	LC DCDS_WS_2022-09-12_N LC DCDS_WS_2022-09-19_N	2022-09-13	1		-			3.27	559				_						< 0.100		0.0072	40	0.0100	2.73		0.0216		
LC DCDS	LC DCDS WS 2022-09-26 N	2022-09-27	-		-	-			306.25								< 0.250		< 0.100		0.01	20.8025	0.00535	1.025	-	0.01295		
LC DCDS	MORTALITY PKG 8	2022-10-04	-	-	-	-		3.25	570	1020	1.8			187	< 1.0		< 0.250			286	0.0057	44.3	0.0115	0.391	-	0.0245		
LC_DCDS	LC_DCDS_MORTALITY_2022-10-05_N	2022-10-05	-	-	-		- 8	3.35	585	1080	1.5	725	0.22	177	5.8		< 0.250			288	0.0351	44.3	0.0107	< 0.500	-	0.0269		
LC_DCDS	LC_DCDS_MORTALITY_2022-10-06_N	2022-10-06	-	-	-	-	- 8	3.37	581	1080	2.4	788	0.69	183	6.1	< 1.0	< 0.250		< 0.100	324	< 0.0050	51.7	0.005	< 0.500	-	0.0225	1.26	1.11
LC_DCDS	LC_DCDS_MORTALITY_2022-10-07_N	2022-10-07	-	-	-	-		3.36	564	1090				180			< 0.250			287	< 0.0050	45.3	0.012	0.776	-	0.0229		
LC_DCDS	LC_DCDS_WS_2022-10-10_N	2022-10-11	-	-	-	-		3.17	606	1060				203			< 0.250			292	0.0075	46.4	0.0107	1.42	-	0.0228		
LC_DCDS	LC_CC3_WS_2022-10-17_N	2022-10-18	-	-	-			3.11	625	1090							< 0.250		< 0.100		< 0.0050	47.45	0.00955	< 0.500	-	0.0223		
LC_DCDS	LC_DCDS_WS_2022-10-24_N	2022-10-25	-	-	-			3.25	621	1130	2			194	< 1.0		< 0.250			308	0.0078	51	0.007	1.51	-	0.0201		
LC_DCDS	LC_SPDC_WS_2022-10-31_N	2022-11-01	-	-	-	-	- 8	3.18	610	1180	1.3	916	0.3	181	< 1.0	< 1.0	< 0.250	21.4	< 0.100	303	0.0064	50	0.0061	< 0.500	-	0.0203	1./6	1.54

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	l Param	eters			Physical P	arameter	s		1		Diss	olved Ino	rganics					Nutrient	s				
																											Ę
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Hd	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	рН	mg/L	μS/cm m\	pН	mg/L	. μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
BC WQG FWAL			n/a (Minimum 6.9 Maximum	L Acute 9 Chronic	n/a n/a	Winimum 6.5	n/a	n/a	52 Acute Gronic	n/a	α Acute α Chronic	n/a	n/a	n/a	n/a	Chronic	0 0.4- a	20 Chronic 128-429	Acute O.102-2.08	Acute Chronic Chronic	Acute O.00-0.60° 0.02-0.20° 0.06-0.60° 0.00	n/a	n/a	Chronic 10.0	n/a	n/a
Line Creek Operation																											
LC_DCDS	LC_CC3_WS_2022-10-31_N	2022-11-01	-	-	-	- -	8.29		1090	2.1		0.35		2.3	< 1.0				283	0.0074	45.8	0.006	< 0.500	-	0.0216		1.48
LC_DCDS LC_DCDS	LC_DCDS_MNT_2022-11-08_N LC_DCDS_WS_2022-11-14_N	2022-11-08 2022-11-15	-	-	-		8.23 8.17	610 674		< 1.0 1.6	814 925	0.51		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250		0.100	297 314	< 0.0050 0.009	48.5 52.4	< 0.0050 0.0055	< 0.500	-	0.0189 0.024	1.67 1.69	1.79 1.57
LC_DCDS	LC_DCDS_WS_2022-11-14_N	2022-11-13	 - 	-	-		8.26	658	1210	< 1.0	924	0.27		< 1.0	< 1.0	< 0.250	24.7	< 0.100		0.0189	57.2	0.0083	2.54	-	0.0269	1.7	1.5
LC_LC12	LC_LC12_MNT_2022-05-03_N	2022-05-02	-	-	-		8.25	504	285	< 1.0	180	0.74	152	< 1.0	< 1.0	< 0.050	0.2	0.281	35.2	< 0.0050	0.173	< 0.0010	0.69	-	0.0049	0.74	0.75
LC_LC12	LC_LC12_WS_2022-05-09_N	2022-05-09	-	-	-		-	-	-	< 1.0	-	0.39	-	-	-	-	-	-	-	-	-	-	-	-	 - 	 -	 -
LC_LC12 LC LC12	LC_LC12_WS_2022-05-16_N	2022-05-18 2022-05-24	-	-	-		-	-	-	1.6 3.6	-	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_LC12	LC_LC12_WS_2022-05-23_N LC_LC12_WS_2022-05-30_N	2022-05-24		-	-		+ -	+-	-	< 1.0	 -	0.17		-	 -	+ -	-	-	-	-	-	-	-	-	-	-	-
LC LC12	LC LC12 MNT 2022-06-07 N	2022-05-30	-	-	-		8.23	_		< 1.0		0.21		< 1.0				0.226		< 0.0050	2.41	0.001	< 0.500	-	0.0039		1.02
LC_LC12	LC_LC12_WS_2022-06-13_N	2022-06-13	-	-	-		-	-	-	< 1.0		0.21		-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_LC12	LC_LC12_WS_2022-06-20_N	2022-06-20	-	-	-		-	-	-	1.3	-	0.48		-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_LC12	LC_LC12_WS_2022-06-27_N	2022-06-27	-	-	-		-	-	-	< 1.0		0.31		-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_LC12	LC_LC12_WS_Q3-2022_N	2022-07-05	-	-	-	- -	8.09	266	518	< 1.0	378	0.12		< 1.0	< 1.0		0.18	0.187	136	< 0.0050	1.58	< 0.0010	< 0.500	-	0.0026	1.19	1.05
LC_LC12 LC LCDSSLCC	LC_LC12_WS_2022-07-11_N LC_LCDSSLCC_WS_Q1-2022_N	2022-07-13 2022-01-04	-	-	-		8.15	536	947	1.4 < 1.0	707	0.12		< 1.0	< 1.0	< 0.250	16.1	0.162		< 0.0050	10.2	< 0.0050	0.346	-	0.003	< 0.50	< 0.50
LC LCDSSLCC	LC LCDSSLCC WS 2022-01-10 N	2022-01-04	- 1		-		8.26		977	1	725	< 0.10		< 1.0	< 1.0	< 0.050	18.2		319	< 0.0050	9.27	0.0030	0.305	-	0.003	0.64	0.55
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-01-17_N	2022-01-17	-	-	-		8.23		989	< 1.0		< 0.10		< 1.0		< 0.250			330	0.0068	9.88	< 0.0050	0.311	-	0.0022		0.57
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-01-24_N	2022-01-25	-	-	-		8.16			< 1.0		0.13		< 1.0	< 1.0	< 0.450	18.3	< 0.180		< 0.0050	10.7	< 0.0090	0.387	-	0.0029	< 0.50	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2021-01-31_N	2022-02-01	-	-	-		8.34			2	563	0.22		4.1	< 1.0	< 0.250		0.316		< 0.0050	9.6	< 0.0050	< 0.050	-	0.0026	0.76	
LC_LCDSSLCC LC_LCDSSLCC	LC_LCDSSLCC_MNT_2021-02-08_N LC_LCDSSLCC_WS_2021-02-14_N	2022-02-08 2022-02-15		-	-		8.28	554 562		1.5	723	< 0.10	258	< 1.0	< 1.0	< 0.050	20.7	0.201	325	< 0.0050	9.64	< 0.0010	0.313	-	0.0029	< 0.50	< 0.50
LC_LCDSSLCC	LC LCDSSLCC_W3_2021-02-14_N LC LCDSSLCC WC 2022-02-18 N	2022-02-13	- -		-		8.27	613	1020	< 1.0	612	0.12		< 1.0	< 1.0	< 0.050	21.6	0.158		0.0052	9.77	0.001	0.368		0.0021	< 0.50	
LC LCDSSLCC	LC LCDSSLCC WS 2022-02-10_N	2022-02-10	1 - 1		-		8.24	632	_	< 1.0		< 0.12		< 1.0	< 1.0	< 0.250			361	< 0.0052	10.6	< 0.0050	0.37		0.0021	< 0.50	
LC LCDSSLCC	LC CC1 WS 2022-02-28 N	2022-03-01	-	-	-		8.27	626.5		< 1.0			260.5	< 1.0	< 1.0	< 0.250	23.3	0.186		< 0.0050	10.25	< 0.0050	< 0.050	-	0.0025	< 0.50	< 0.50
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-02-28_N	2022-03-01	-	-	-		-	-	-	-	-	< 0.10		-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_LCDSSLCC	LC_LCDSSLCC_MNT_2021-03-07_N	2022-03-08	-	-	-		8.12	577		1.7	770	0.14		< 1.0	< 1.0	< 0.250	23.8	0.17		0.0051	10.2	< 0.0050	0.369	-	0.0023	< 0.50	< 0.50
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-03-14_N LC LCDSSLCC WS 2022-03-21 N	2022-03-15	-	-	-		8.14	569	1080	< 1.0		< 0.10		< 1.0	< 1.0			0.167		< 0.0050	10.8	< 0.0050	< 0.050	-	0.0029	0.52	0.58
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-03-21_N LC_LCDSSLCC_WS_2022-03-28_N	2022-03-22 2022-03-28	+ - +	-	-		8.21 8.25	588 666	1110 1050	< 1.0 1.2	770 814	0.24		< 1.0 < 1.0	< 1.0 < 1.0	< 0.250 < 0.250	25.5 24.1	0.18		< 0.0050 < 0.0050	11.4 12	< 0.0050 0.0063	0.388	-	0.0034 0.0034	0.56 < 0.50	< 0.50
LC LCDSSLCC	LC LCDSSLCC WS Q2-2022 N	2022-03-20	 - 	-	-	- -	8.35	566	1040	1.1	770	0.25		4.1	< 1.0	< 0.250	20.3	0.176		< 0.0050	12.4	< 0.0050	< 0.050	-	0.0034	< 0.50	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-04-11_N	2022-04-11	-	-	-	- -	8.15	589	1020	1.7	678	0.2	303	< 1.0	< 1.0	< 0.250	20.1	0.24	342	< 0.0050	12.7	< 0.0050	0.367	-	0.0022	< 0.50	< 0.50
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-04-18_N	2022-04-19	↓ -	-	-		8.2	527	1000	3.1	744	0.28		< 1.0	< 1.0	< 0.250	17.8		333	< 0.0050	11.4	< 0.0050	0.459	-	0.0029	0.63	0.64
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-04-25_N LC_LCDSSLCC_MNT_2022-05-03_N	2022-04-25	-	-	-	- -	8.28	528	1000	< 1.0		0.29		< 1.0	< 1.0		19.3		338	< 0.0050	11.5	< 0.0050	< 0.050	-	0.0026	0.84	0.73
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_MN1_2022-05-03_N LC_LCDSSLCC_WS_2022-05-09_N	2022-05-04 2022-05-09		-	-		8.29 8.22	465 341	852 684	1.9	624 512	0.22		3 < 1.0	< 1.0 < 1.0	< 0.050 < 0.050	7.21	0.173	226 185	< 0.0050 < 0.0050	8.85 7.08	0.002 0.0016	1.86 0.92	-	< 0.0020 0.0032	1.15 0.95	0.86
LC_LCDSSLCC	LC LCDSSLCC_W3_2022-03-09_N LC LCDSSLCC WS 2022-05-16 N	2022-05-09	 - 	-	-		8.37	368	_	2.7		1.15		5.3	< 1.0	_		0.219		< 0.0050	6.41	0.0010	< 0.500	-	0.0032	0.98	0.94
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-05-23_N	2022-05-24	-	-	-		8.41	387	710	2.5	485	0.23		4.2	< 1.0	< 0.050	9.09	0.238		< 0.0050	7.64	0.0026	< 0.500	-	0.0035	1.2	1.18
LC_LCDSSLCC	LC LCDSSLCC WS 2022-05-30 N	2022-05-31		-	-		8.38			2.9	348	0.49		5	< 1.0	< 0.050		0.189		< 0.0050	3.79	< 0.0010	0.503	-	0.0054	1.32	1.34
LC_LCDSSLCC	LC_LCDSSLCC_MNT_2022-06-07_N	2022-06-06		-	-		8.22		466	3	304	1.26		< 1.0	< 1.0	< 0.050	2.85	0.222		< 0.0050	3.67	0.001	< 0.500	-	0.0057	1.42	1.48
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-06-13_N LC LCUSWLC WS 2022-06-20 N	2022-06-14 2022-06-22	-	-	-		8.16 7.87									< 0.050 < 0.050			87.5 118	0.0062 < 0.0050	2.75 5.01	< 0.0010 0.0012	< 0.500	-	0.0054	1.18	
LC_LCDSSLCC LC LCDSSLCC	LC LCDSSLCC WS 2022-06-27 N	2022-06-27	-	-	-		8.24			15.4			189	< 1.0		< 0.050			94.4	< 0.0050	3.69	< 0.0012	< 0.500	-	0.0021		
LC_LCDSSLCC	LC_LCDSSLCC_WS_Q3-2022_N	2022-07-05	-	-	-		_						177			< 0.050			100	< 0.0050	3.99	< 0.0010	< 0.500	-		1.68	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-07-11_N	2022-07-11	-	-	-		7.55	280	534	1.1	370	0.19	213	< 1.0		< 0.050			110	< 0.0050	4.57	< 0.0010	< 0.500	-	0.0028	0.65	0.56
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-07-18_N	2022-07-19	-	-	-								280			< 0.050			138	< 0.0050	5.54	0.0012	1.03	-		< 0.50	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-07-25_N	2022-07-26		-	-		8.29						236			< 0.050			180	- 0.0050	7.31	0.0013	< 0.500	-	- 0.0000	0.5	
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_MNT_2022-08-02_N LC LCDSSLCC WS 2022-08-08 N	2022-08-03 2022-08-09	-	-	-		8.36 8.38			3.1			218 233			< 0.050 < 0.050			203 222	< 0.0050 < 0.0050	7.77 7.87	0.0027 0.002	0.667	-	< 0.0020 0.0028		< 0.50 0.86
LC_LCDSSLCC	LC LCDSSLCC WS 2022-08-06 N LC LCDSSLCC WS 2022-08-15 N	2022-08-16		-	-								265			< 0.050				< 0.0050	8.05	0.002	0.523	-	0.0028		
		00 10				<u> </u>	0.04	+00	,,,,,		, 500	35				3.000	3.01	0.220		0000		1 2.20.0	0.020		0.0001		3.00

< Denotes concentration less than indicated detection limit

BOLD ITALIC Concentrate greater than the chronic (30-Day average) BCWQG for FWAL Concentrate greater than the acute (short term) BCWQG for FWAL

CAPR002058 Exported: 2023-02-01

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

		Г		Field	Parame	otore			Р	hysical Pa	ramotors					Dieer	lved Inor	raanice					Nutrient	e				
				rieid	ı aıaııl	1013			P	nysical Pa	ameters	, 				ומפוע	, veu mor	ganics					Nutrient			\neg		-
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Field ORP	Н	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbon
Location	ID	(yyyy-mm-dd)	С	рН	mg/L	μS/cm	mV	рН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/l
BC WQG FWAL			n/a (99 Minimum 90 Maximum	L Acute o Chronic	n/a	n/a 6	9.9 Minimum o Maximum	n/a	n/a	G Chronic	n/a	AcuteChronic	n/a	n/a	n/a	n/a	O09 Acute Chronic	9 0.4- a	20 Ohronic 128-429 ^a	Acrt Acrt Acrt Acrt Acrt Acrt Acrt Acrt	Chronic 8:28 3:28	O.06-0.60° 0.02-0.20°	n/a	n/a	Chronic 0.015	n/a	n/a
Line Creek Operation	LC LCDSSLCC WE 2022 00 22 N	2022 00 22									< 1.0	1	< 0.10			1	1	1	1	1			ı	1				-
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-08-22_N LC_CC1_WS_2022-08-22_N	2022-08-23 2022-08-23	-	-	-	-	-	8.335	456	792	- 1.0	582	- 0.10	256.5	2.25	< 1.0	< 0.050	9.93	0.226	231	< 0.0050	7.63	0.00195	< 0.500	-	0.0023	< 0.50	0 < 0.5
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-08-29_N	2022-08-30	-	-	-	-	-	8.29	425	769	1.3	510	0.15	258	2	< 1.0	< 0.050	5.89	0.189	204	< 0.0050	7.41	< 0.0010	< 0.500		0.0034	0.71	< 0.5
LC_LCDSSLCC	LC_LCDSSLCC_MNT_2022-09-06_N	2022-09-06	-	-	-	-	-	8.24	479	817	1.1	561	< 0.10		< 1.0	< 1.0	< 0.050	9.86		221	< 0.0050	7.56	0.0013	0.196	-	< 0.0020	_	
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-09-12_N LC_LCDSSLCC_WS_2022-09-19_N	2022-09-13	-	-	-	-	-	8.42	469	821	< 1.0	589	0.1	247	9.2	< 1.0	< 0.050	10.7	0.237	234	< 0.0050	7.68	< 0.0010	< 0.050		< 0.0020	< 0.50	0 < 0.5
LC_LCDSSLCC LC LCDSSLCC	LC CC1 WS 2022-09-19 N	2022-09-19 2022-09-19	-	-	-	-	-	8.315	470	850	< 1.0	631	0.17	248.5	4.65	< 1.0	< 0.050	12.4		253	< 0.0050	8.23	0.0026	< 0.500	-	< 0.0020	0 < 0.50	0 < 0.5
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-09-26_N	2022-09-29	-	-	-	-		8.28	474	853	3.8	599	0.42	266	2.8	< 1.0	< 0.050	11.9	0.23	256	< 0.0050	8.02	0.0011	1.43	-	< 0.0020		_
LC_LCDSSLCC	LC_CC2_WS_Q4-2022_N	2022-10-03	-	-		-	- [8.26	471.5	817.5	< 1.0	612.5	0.15		< 1.0	< 1.0	< 0.050	11.5		250.5	< 0.0050	7.76	0.00165	1.56	-	< 0.0020	_	_
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-10-10_N LC_CC1_WS_2022-10-10_N	2022-10-11 2022-10-11	-	-	-	-	-	- 8.165	485.5	830	< 1.0	- 501 5	0.175	- 265	< 1.0	< 1.0	< 0.050	11.7	0.2265	260	< 0.0050	8.075	- 0.001	0.829	-	< 0.0020	0 0.74	0.68
LC_LCDSSLCC LC LCDSSLCC	LC_CC1_WS_2022-10-10_N LC_LCDSSLCC_WS_2022-10-17_N	2022-10-11	-	-	-	-		8.12	465.5	850	< 1.0	632	< 0.10		< 1.0	< 1.0	< 0.050	12.3		258	< 0.0050	7.64	0.001	1.61	-	0.0027	_	
LC LCDSSLCC	LC LCDSSLCC WS 2022-10-24 N	2022-10-25	-	-	-	-		8.33	510	809	< 1.0		0.13		6.5	< 1.0	< 0.050			277	< 0.0050	8.26	0.0025	< 0.500		0.0024		
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-10-31_N	2022-11-01	-	-	-	-		8.24	556	867	1.2	660	0.16		< 1.0	< 1.0	< 0.050	12.3		257	< 0.0050	7.52	< 0.0010	< 0.500	-	< 0.0020		
LC_LCDSSLCC	LC_LCDSSLCC_MNT_2022-11-08_N	2022-11-08	-	-	-	-	-	8.21	522	868	< 1.0		0.14		< 1.0	< 1.0	< 0.050	14.2		279	< 0.0050	8.28	0.0013	1.22	-	0.0023		
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-11-14_N LC LCDSSLCC WS 2022-11-21 N	2022-11-14 2022-11-21	-	-	-	-	-	8.27	534	876	1 -	640	0.13	235	< 1.0	< 1.0	< 0.050	13.6	0.188	271	< 0.0050	8.28	< 0.0010	0.561	-	< 0.0020	< 0.50	0 < 0.5
LC LCDSSLCC	LC CC1 WS 2022-11-21 N	2022-11-21	-	-	-	-	-	8.23	507.5	897.5	< 1.0	636.5	0.18	240	< 1.0	< 1.0	< 0.050	13.85		287.5	< 0.0050	8.805	0.00145	< 0.050		< 0.0020		
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-11-28_N	2022-11-28	-	-	-	-	-	8.23	563	901	1.5	695	0.16	249	< 1.0	< 1.0	< 0.050	14.6		293	0.0057	8.45	0.001	1.71	-	< 0.0020		
LC_LCDSSLCC	LC_LCDSSLCC_MNT_2022-12-05_N	2022-12-05	-	-	-	-	-	8.24	518	896	< 1.0	656	0.15	263	< 1.0	< 1.0	< 0.050	14.6	0.23		< 0.0050	8.17	< 0.0010	1.11	-	< 0.0020		
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-12-12_N LC_CC1_WS_2022-12-19_N	2022-12-12	-	-	-	-	-	8.37 8.395	561 543.5	929 940	1.7	639 726.5	0.1	233 238	8.4 5.2	< 1.0 < 1.0	< 0.250 < 0.050	17.3 14.65		329 302	< 0.0050 0.00995	9.14 8.55	< 0.0050 0.00125	< 0.500		0.0024 0.00275	< 0.50 < 0.50	
LC_LCDSSLCC LC LCDSSLCC	LC_CCT_WS_2022-12-19_N LC_LCDSSLCC_WS_2022-12-19_N	2022-12-19 2022-12-19	-		-	-	-	-	543.5	940	< 1.0	720.5	0.24	230	5.2	- 1.0	< 0.050	14.00	0.222	- 302	0.00995	- 0.00	0.00125	0.752	-	0.00275	- 0.50	- 0.5
LC LCDSSLCC	LC LCDSSLCC WS 2022-12-26 N	2022-12-28	-	-	-	- 1	-	8.35	569	931	< 1.0	654	0.1	242	3.7	< 1.0	< 0.250	15		310	< 0.0050	8.16	< 0.0050	< 0.500	-	< 0.0020		
LC_WLC	LC_WLC_WS_Q1-2022_N	2022-01-04	-	-	-	-		8.28	1510	2130	1.4	1820	< 0.10		6.6	< 1.0	< 0.250	3.94		1090	< 0.0050	15.3	< 0.0050	0.325	-	0.0053	1.06	
LC_WLC	LC_WLC_WS_2022-01-10_N	2022-01-10	-	-	-	-		8.22	1420	2160	2.9	1910	< 0.10		< 1.0	< 1.0	< 0.250	4.48		1170	< 0.0050	15.4	< 0.0050	0.314	-	0.0039	_	
LC_WLC LC WLC	LC_MT1_WS_2022-01-17_N LC_CC1_WS_2022-01-17_N	2022-01-17 2022-01-17	-	-	-	-		5.14 8.125	< 0.50 1440	< 2.0 2165	< 1.0 1.1	< 10 2050	< 0.10		< 1.0 < 1.0	< 1.0 < 1.0	< 0.050 < 0.250	< 0.10 4.07		< 0.30 1150	< 0.0050 < 0.0050	< 0.0050 15.6	< 0.0010 < 0.0050	< 0.050 < 0.050	-	< 0.0020 0.00505		
LC WLC	LC_CC1_W3_2022-01-17_N LC_WLC_WS_2022-01-24_N	2022-01-17	-	-	-	-		8.14	1440	2160	1.2	1850	< 0.103		< 1.0	< 1.0	< 0.450	4.72		1230	< 0.0050	16.4	< 0.0030	0.116	-	0.00303	_	_
LC_WLC	LC_WLC_WS_2022-01-31_N	2022-01-31	-	-	-	-		8.17	1590	2210	< 1.0	2040	< 0.10		< 1.0	< 1.0	< 0.250	7.23		1100	< 0.0050	15.9	< 0.0050	< 0.050	-	0.0051		
LC_WLC	LC_MT2_MNT_2021-02-08_N	2022-02-08	-	-	-	-	-	6.82	< 0.50	< 2.0	< 1.0	< 10	< 0.10		< 1.0	< 1.0	< 0.050	< 0.10		< 0.30	< 0.0050	< 0.0050	< 0.0010	< 0.050	+	< 0.0020		
LC_WLC LC WLC	LC_CC1_WS_2022-02-14_N	2022-02-14	-	-	-	-	-	8.26 6.715	1465	2140	1.5	1880	< 0.10		< 1.0	< 1.0	< 0.250	4.88 < 0.10		1180 < 0.30	0.00645 < 0.0050	15.15 < 0.0050	< 0.0050 < 0.0010	< 0.050	-	0.0054 < 0.0020	_	
LC_WLC	LC_MT1_WS_2022-02-21_N LC_WLC_WS_2022-02-28_N	2022-02-23 2022-03-01	-	-	-	-		8.28	< 0.50 1620	< 2.0 2210	< 1.0	< 10 2040	< 0.10		< 1.0 < 1.0	< 1.0 < 1.0	< 0.050 < 0.250			1200	< 0.0050	15.8	< 0.0010	0.422	-	0.0056		_
LC_WLC	LC_MT1_MNT_2021-03-07_N	2022-03-08	-	-	-	-		6.645	< 0.50	< 2.0	< 1.0	< 10	< 0.10		< 1.0	< 1.0	< 0.050	< 0.10		< 0.30	< 0.0050	< 0.0050	< 0.0010	< 0.050	-	< 0.0020		
LC_WLC	LC_WLC_WS_2022-03-14_N	2022-03-14	-	-		-	-	8	1410	2170	3.1	2090	< 0.10		< 1.0	< 1.0	< 0.250			1230	< 0.0050	16.3	< 0.0050	0.364	-	0.0049		
LC_WLC	LC_WLC_WS_2022-03-21_N	2022-03-22	-	-	-	-		8.19	1560	2270	1.6	2000	< 0.10		< 1.0	< 1.0	< 0.250	4.98		1130	< 0.0050	15.4	< 0.0050	0.452	-	0.0048		
LC_WLC LC WLC	LC_WLC_WS_2022-03-28_N LC_WLC_WS_Q2-2022_N	2022-03-28 2022-04-05	-	-	-	-		8.19 8.3	1520 1560	2240 2260	< 1.0 1.2	2160 1920	< 0.10		< 1.0 2.9	< 1.0 < 1.0	< 0.250 < 0.250	5.28 5.11		1140 1170	< 0.0050 < 0.0050	15.5 16	< 0.0050 < 0.0050	0.323	-	0.0041	1.07	0.89
LC_WLC	LC_WLC_WS_2022-04-11_N	2022-04-11	-	-	-	- 1	-	8.12	1490	2170		1920			< 1.0		< 0.250				< 0.0050	16.1	< 0.0050	0.447		0.0049		_
LC_WLC	LC_CC1_WS_2022-04-18_N	2022-04-18	-	-	-	-		8.21	1480	2180	1.7	1990	< 0.10	395.5	< 1.0	< 1.0	< 0.250	4.365	0.1675	1130	< 0.0050	16.7	< 0.0050	< 0.050	-	0.005	1.365	5 1.47
LC_WLC	LC_CC1_WS_2022-04-25_N	2022-04-25	-	-		-		8.325	1470	2165				403	5.05		< 0.250			1200	< 0.0050	17	< 0.0050	1.115			0.985	
LC_WLC LC WLC	LC_WLC_MNT_2022-05-03_N LC_WLC_WS_2022-05-09_N	2022-05-03 2022-05-09	-	-	-	-	-	8.11 8.23	1430 1380	2150 2060		1860 1790			< 1.0 < 1.0		< 0.250 < 0.250			1140 1100	< 0.0050 < 0.0050	16.2 16.2	< 0.0050 < 0.0050	1.43	-	0.0064		
LC WLC	LC WLC WS 2022-05-09 N	2022-05-16	-	-	-	-		8.14	1360	2020	1.6		0.13		< 1.0		< 0.250			997	< 0.0050	14.5	0.0127	0.787	-	0.0056		_
LC_WLC	LC_WLC_WS_2022-05-23_N	2022-05-24	-	-	-	-	-	8.24	1320	1990	2	1700	< 0.10	440	< 1.0	< 1.0	< 0.250	3.72	0.177	980	< 0.0050	13.6	< 0.0050	0.793	-	0.0067	0.9	1.08
LC_WLC	LC_MT1_WS_2022-05-30_N	2022-05-30	-	-		-		6.76	< 0.50	< 2.0				< 1.0			< 0.050		< 0.020		< 0.0050	< 0.0050	< 0.0010	< 0.050		< 0.0020		0 < 0.5
					-	-		6.81	< 0.50	-20	- 10		1 - 0 10	1 / 1 / 1	< 1.0	I < 1 0	< 0.050	< 0.10	1 < 0.020	< 0.30	< 0.0050	< 0.0050	< 0.0010	< 0.050	-	< 0.0020	11 < 0.50	0 < 0.5
LC_WLC	LC_MT2_MNT_2022-06-07_N	2022-06-06	-	-						< 2.0																	_	0.00
LC_WLC LC WLC LC WLC	LC_M12_MN1_2022-06-07_N LC_CC1_WS_2022-06-13_N LC_WLC_WS_2022-06-20_N	2022-06-06 2022-06-13 2022-06-22	-	-	-	-		7.955 8.1	702.5 672	1165 1180	< 1.0	926.5	< 0.10	395.5	< 1.0	< 1.0	< 0.250 < 0.250	1.165	0.12	436 349	< 0.0050 < 0.0050	6.09 6.17	< 0.0050 < 0.0050	0.727	-	0.0039	1.025	0.98

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 1: Summary of Analytical Results for Dissolved Organics, Nutrients and Organics

				Field	l Parame	otore			-	hvsical Pa	rameter	•		1		Dieer	lved Inor	nanice			1		Nutrient	•				
			1	1 1810						yaicai F	1	i –				D1330		guines					Nutrient	<u> </u>				
Sample	Sample	Sample Date	Field Temperature	pH (field)	Dissolved Oxygen	Field Conductivity	Field ORP	Н	Hardness	Conductivity	Total Suspended Solids	Total Dissolved Solids	Turbidity	Bicarbonate	Carbonate	Hydroxide	Bromide	Chloride	Fluoride	Sulfate	Ammonia Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Kjeldahl Nitrogen-N	Ortho-Phosphate	Phosphorus, Total	Total Organic Carbon	Dissolved Organic Carbor
Location	ID	(yyyy-mm-dd)	С	pН	mg/L	μS/cm	mV	pН	mg/L	μS/cm	mg/L	mg/L	ntu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Minimum Maximum	Acute Chronic			Minimum Maximum			Acute Chronic		Acute Chronic					Acute Chronic	Acute	Chronic	Acute Chronic	Acute	Acute Chronic			Chronic		
BC WQG FWAL			n/a	6.5 9	1 5	n/a	n/a	6.5 9	n/a	n/a	25 5	n/a	8 2	n/a	n/a	n/a	n/a	600 150	0.4- a	128-429 ⁶	0.681-28.7 ^b 0.102-2.08 ^b	32.8 3.7	0.06-0.60° 0.02-0.20°	n/a	n/a	0.015	n/a	n/a
Line Creek Operation				•		•	•							•								•	•					
LC_WLC	LC_WLC_WS_Q3-2022_N	2022-07-05	-	-	-	-	-	8.22	824	1350	< 1.0	1150	< 0.10	433	< 1.0	< 1.0	< 0.050	1.51	0.108	518	< 0.0050	7.79	< 0.0010	1.55	-	0.0028	1.08	1.17
LC_WLC	LC_CC1_WS_2022-07-11_N	2022-07-11	-	-	-	-	-	8.08	938	1495	< 1.0	1230	0.115	455.5	< 1.0	< 1.0	< 0.250	2.57	0.1435	594	< 0.0050	8.5	< 0.0050	0.467	-	0.0039	0.635	0.71
LC_WLC	LC_WLC_WS_2022-07-18_N	2022-07-19	-	-	-	-	-	8.08	1020	1550	2.8	1330	< 0.10	479	< 1.0	< 1.0	< 0.250	2.08	0.14	626	< 0.0050	8.38	< 0.0050	< 0.500	-	0.0047	1	0.93
LC_WLC	LC_MT1_WS_2022-07-25_N	2022-07-26	-	-	-	-	-	6.65	< 0.50	< 2.0	< 1.0	< 10	< 0.10	< 1.0	< 1.0	< 1.0	< 0.050	< 0.10	< 0.020	< 0.30	-	< 0.0050	< 0.0010	< 0.050	-	-	< 0.50	< 0.50
LC_WLC	LC_WLC_MNT_2022-08-02_N	2022-08-03	-	-	-	-	-	8.03	1110	1730	< 1.0	1540	< 0.10	512	< 1.0	< 1.0	< 0.250	2.75	0.102	736	< 0.0050	9.78	< 0.0050	< 0.500	-	0.0043	0.62	0.6
LC WLC	LC WLC WS 2022-08-08 N	2022-08-08	-	-	-	-	-	8.23	1250	1780	2.8	1530	0.13	475	< 1.0	< 1.0	< 0.250	2.72	0.142	799	< 0.0050	10.1	< 0.0050	0.553	-	0.0049	1.07	1.08
LC WLC	LC MT1 WS 2022-08-15 N	2022-08-15	-	-	-	-	-	6.63	< 0.50	< 2.0	< 1.0	< 10	< 0.10	< 1.0	< 1.0	< 1.0	< 0.050	< 0.10	< 0.020	< 0.30	< 0.0050	< 0.0050	< 0.0010	< 0.050	-	< 0.0020	< 0.50	< 0.50
LC WLC	LC WLC WS 2022-08-22 N	2022-08-22	-	-	-	-	-	8.03	1260	1850	< 1.0	1750	0.14	513	< 1.0	< 1.0	< 0.250	3.27	0.135	886	< 0.0050	10.9	< 0.0050	1.61	-	0.0046	0.74	0.73
LC WLC	LC WLC WS 2022-08-29 N	2022-08-29	-	-	-	-	-	8.11	1460	2000	4.2	1620	0.11	548	< 1.0	< 1.0	< 0.250	4.94	0.13	923	< 0.0050	11.3	< 0.0050	2.53	-	0.005	< 0.50	< 0.50
LC WLC	LC WLC MNT 2022-09-06 N	2022-09-06	-	-	-	-	-	7.99	1320	2040	1.5	1770	< 0.10	524	< 1.0	< 1.0	< 0.250	3.17	0.111	1020	< 0.0050	11.6	< 0.0050	1.12	-	0.0036	< 0.50	0.51
LC WLC	LC WLC WS 2022-09-12 N	2022-09-13	-	-	-	-	-	8.08	1470	2010	1.6	1820	< 0.10	504	< 1.0	< 1.0	< 0.250	3.42	0.132	965	< 0.0050	12	< 0.0050	0.088	-	0.0048	0.99	0.72
LC WLC	LC WLC WS 2022-09-19 N	2022-09-19	-	-	-	-	-	8.3	1470	2070	1.2	1890	0.13	496	5.2	< 1.0	< 0.250	3.69	0.128	1020	< 0.0050	12.5	< 0.0050	< 0.500	-	0.0041	0.59	0.51
LC WLC	LC WLC WS 2022-09-29 N	2022-09-29	-	-	-	-	-	8.16	1530	2010	1.7	1930	< 0.10	533	< 1.0	< 1.0	< 0.250	3.59	0.148	1030	< 0.0050	12.7	< 0.0050	3.76	-	0.0054	1.22	1.09
LC WLC	LC WLC WS Q4-2022 N	2022-10-03	-	-	-	-	-	8.2	1560	1990	< 1.0	1880	0.12	534	< 1.0	< 1.0	< 0.250	3.64	0.128	1070	< 0.0050	13	< 0.0050	0.776	-	0.0031	< 0.50	< 0.50
LC WLC	LC WLC WS 2022-10-10 N	2022-10-12	-	-	-	-	-	8.08	1620	2060	< 1.0	1920	< 0.10	535	< 1.0	< 1.0	< 0.250	3.36	0.112	936	< 0.0050	12.3	< 0.0050	1.17	-	0.0035	1.47	1.4
LC WLC	LC WLC WS 2022-10-17 N	2022-10-17	-	-	-	-	-	7.94	1680	2080	2.1	1840	< 0.10	547	< 1.0	< 1.0	< 0.250	4.49	0.141	1090	< 0.0050	13.5	< 0.0050	1.21	-	0.0051	0.93	0.97
LC_WLC	LC_CC1_WS_2022-10-24_N	2022-10-24	-	-	-	-	-	7.2767	1163.5	1254	1.5667	1180	< 0.10	350.67	< 1.0	< 1.0	< 0.250	2.58	0.1323	763.43	< 0.0050	9.501667	< 0.0050	0.7173	-	0.004067	0.8	0.8133
LC WLC	LC WLC WS 2022-10-31 N	2022-10-31	-	-	-	-	-	8.27	1550	2060	< 1.0	2080	0.29	425	< 1.0	< 1.0	< 0.250	3.74	0.197	1120	< 0.0050	14	< 0.0050	0.93	-	0.0039	0.99	1.17
LC_WLC	LC_WLC_MNT_2022-11-08_N	2022-11-07	-	-	-	-	-	8.24	1540	2190	< 1.0	2090	< 0.10	450	< 1.0	< 1.0	< 0.250	3.8	0.223	1140	< 0.0050	14.1	< 0.0050	1.86	-	0.0046	1.1	0.93
LC_WLC	LC_MT1_WS_2022-11-14_N	2022-11-14	-	-	-	-	-	7.025	< 0.50	< 2.0	< 1.0	< 10	< 0.10	< 1.0	< 1.0	< 1.0	< 0.050	< 0.10	< 0.020	< 0.30	0.00515	< 0.0050	< 0.0010	< 0.050	-	< 0.0020	< 0.50	< 0.50
LC WLC	LC WLC WS 2022-11-21 N	2022-11-21	-	-	-	-	-	8.22	1570	2150	4.1	2040	0.19	418	< 1.0	< 1.0	< 0.250	4.26	0.257	1200	< 0.0050	15.1	< 0.0050	0.813	-	0.0055	0.7	0.65

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

			[Dissolve	ed Metals					
Sample	Sample	Sample Date	Hardness	Aluminum		Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper
Location	ID	(mm/dd/yyyy)	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Acute	Chronic							Acute				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a 0.00	5-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Coal Mountain Mine																1
CM_CC1	CM_CC1_WS_2022-01-04_N	2022-01-06		0.0038		0.00038	0.00017	0.0362	< 0.020	< 0.000050	0.103	0.000128	201	< 0.00030	0.0106	0.00024
CM_CC1	CM_CC1_WS_2022-01-11_N	2022-01-11		0.0027		0.00034	0.00015	0.0348	< 0.020	< 0.000050	0.086	0.000102	199	< 0.00010	0.0097	< 0.00020
CM_CC1 CM CC1	CM_CC1_WS_2022-02-01_N CM_CC1_WS_2022-03-01_N	2022-02-01	1050 978	0.0037 0.0024		0.00052	0.00017	0.0361 0.045	< 0.020	< 0.000050 < 0.000050	0.084 0.054	0.00017 0.0000764	231	0.00012	0.0127	0.00386 < 0.00020
CM_CC1	CM CC1 WS 2022-03-01 N	2022-03-01	988	0.0024		0.00029 0.00028	0.00017 0.00019	0.045	< 0.020 < 0.020	< 0.000050	0.054	0.0000764	211	0.00011 0.00013	0.00368 0.00311	< 0.00020
CM CC1	CM CC1 WS 2022-03-15 N	2022-03-13	1030	0.0011		0.00028	0.00019	0.0511	< 0.020	< 0.000050	0.06	0.0000336	221	0.00013	0.00311	< 0.00020
CM CC1	CM CC1 WS 2022-03-22_N	2022-03-22	970	0.0018		0.00028	0.0002	0.034	< 0.020	< 0.000050	0.055	0.0000470	212	< 0.00010	0.00304	< 0.00020
CM CC1	CM CC1 WS 2022-04-05 N	2022-04-05	899	0.0034		0.00026	0.00016	0.0452	< 0.020	< 0.000050	0.078	0.0000505	195	0.00016	0.00369	0.0002
CM CC1	CM CC1 WS 2022-04-12 N	2022-04-12	889	0.003		0.00028	0.00016	0.0461	< 0.020	< 0.000050	0.071	0.00005	191	0.00016	0.0035	< 0.00020
CM CC1	CM CC1 WS 2022-04-19 N	2022-04-19	872	0.003		0.0003	0.0002	0.0498	0.000021	< 0.000050	0.074	0.0000419	187	0.00014	0.00339	0.00024
CM CC1	CM CC1 WS 2022-04-26 N	2022-04-26	819	< 0.0040		0.00027	0.00015	0.0407	< 0.020	< 0.000050	0.062	0.00003535	178	0.0001	0.003875	< 0.00020
CM_CC1	CM_CC1_WS_2022-05-03_N	2022-05-03	772	0.0042		0.00034	0.00016	0.041	< 0.020	< 0.000050	0.08	0.0000676	171	< 0.00010	0.00919	< 0.00020
CM_CC1	CM_CC1_2022-05-06_N2	2022-05-06	-	-		-	-	-	-	-	-	-	-	-	-	-
CM_CC1	CM_CC1_2022-05-06_N1	2022-05-06	-	-		-	-	-	-	-	-	-	-	-	-	-
CM_CC1	CM_CC1_2022-05-07_N1	2022-05-07	-	-		-	-	-	-	-	-	-	-	-	-	-
CM_CC1	CM_CC1_WS_2022-05-10_N	2022-05-10	694	0.0092		0.00034	0.00016	0.0372	< 0.020	< 0.000050	0.079	0.000131	153	0.0001	0.00591	0.00023
CM_CC1	CM_CC1_WS_2022-05-17_N	2022-05-17	731	0.0062		0.00039	0.00016	0.0298	< 0.020	< 0.000050	0.075	0.0001575	162.5	0.000125	0.009135	0.00028
CM_CC1	CM_NNP_WS_2022-05-17_N	2022-05-17	-	-		-	-	-	-	-	-	-	-	-	-	-
CM_CC1	CM_CC1_WS_2022-05-24_N	2022-05-24	-	0.0064		0.00034	0.00016	0.0284	< 0.020	< 0.000050	0.054	0.000172	153	0.00014	0.00734	0.0002
CM_CC1	CM_CC1_WS_2022-05-31_N	2022-05-31	-	0.0038		0.00032	0.00018	0.0237	< 0.020	< 0.000050	0.044	0.000242	139	0.00013	0.00485	0.00021
CM_CC1	CM_CC1_WS_2022-06-07_N	2022-06-07	-	0.0021		0.00032	0.00016	0.0206	< 0.020	< 0.000050	0.042	0.000357	150	0.00014	0.0058	0.00024
CM_CC1	CM_CC1_WS_2022-06-14_N	2022-06-14	-	0.0025		0.00027	0.00018	0.0245	< 0.020	< 0.000050	0.027	0.00039	122	0.00011	0.00441	0.00027
CM_CC1	CM_CC1_WS_2022-06-21_N	2022-06-21	-	0.003		0.000315	0.0002	0.02525	< 0.020	< 0.000050	0.0435	0.000485	129	0.00014	0.00625	0.000315
CM_CC1	CM_CC1_WS_2022-06-28_N	2022-06-28	-	0.0022		0.00041	0.00014	0.0272	< 0.020	< 0.000050	0.054	0.000436	176	0.00011	0.00896	0.00025
CM_CC1	CM_CC1_WS_2022-07-05_N	2022-07-05	-	0.0021		0.00041	0.0002	0.0271	< 0.020	< 0.000050	0.07	0.00027	178	< 0.00010	0.00945	0.00022
CM_CC1	CM_NNP_WS_2022-07-12_N	2022-07-12	-	< 0.0010		- 0.00040	- 0.000405	- 0.0075			- 0.070	- 0.000122	- 044.5	- 0.0004	- 0.0400	- 0.00000
CM_CC1	CM_CC1_WS_2022-07-12_N	2022-07-12	-			0.00049	0.000195	0.0275	< 0.020	< 0.000050	0.073	0.000122	211.5	0.0001	0.0108	< 0.00020
CM_CC1	CM_CC1_WS_2022-08-02_N	2022-08-02	-	< 0.0010		0.00063	0.0002	0.0302	< 0.020	< 0.000050	0.0915	0.00008485	212.5	1	0.0102	< 0.00020
CM_CC1 CM CC1	CM_NNP_WS_2022-08-02_N CM_CC1_2022-08-25_N1	2022-08-02	-	-		-	-	-	-	-	-	-	-	-	-	-
CM CC1	CM CC1 WS 2022-09-06 N	2022-08-25	-	< 0.0010		0.00055	0.00023	0.04185	< 0.020	< 0.000050	0.085	0.00065	216	< 0.00010	0.005875	< 0.00020
CM_CC1	CM CC1 WS SEPT-2022 N	2022-09-08	+ -	0.0035		0.00059	0.00023	0.04165	< 0.020	< 0.000050	0.065	0.000065	210	< 0.00010	0.005675	0.00020
CM_CC1	CM CC1 WS 2022-10-04 N	2022-10-04	 [0.0039	+	0.00039	0.00019	0.0593	< 0.020	< 0.000050	0.068	0.0000733	213	0.00010	0.0002	< 0.00020
CM CC1	CM CC1 WS 2022-10-04 N	2022-10-04	1 -	0.0019	+	0.00039	< 0.00010	0.0303	< 0.020	< 0.000100	0.000	0.000034	219	< 0.00017	0.00263	< 0.00040
CM CC1	CM CC1 WS 2022-11-01_N	2022-11-01	- 1	0.00145		0.00026	0.00025	0.0641	< 0.020	< 0.000050	0.0595	0.0000299	241.5	0.000155	0.003015	< 0.00040
CM CCOFF	CM CCOFF WS 2022-01-04 NP	2022-01-06	-	0.0038		0.0003	0.00018	0.0272	< 0.020	< 0.000050	0.125	0.000364	209	< 0.00030	0.00525	0.00022
CM CCOFF	CM CCOFF WS 2022-01-11 NP	2022-01-11	-	0.0036		0.00027	0.00014	0.0256	< 0.020	< 0.000050	0.088	0.00035	207	< 0.00010	0.00298	< 0.00020
CM CCOFF	CM CCOFF WS 2022-01-18 NP	2022-01-18	- 1	0.0043		0.00028	0.00017	0.0252	< 0.020	< 0.000050	0.067	0.0004	225		0.00132	0.00023
CM CCOFF	CM CCOFF WS 2022-01-19 NP	2022-01-19	-	0.0029		0.00027	0.00018	0.0261	< 0.020	< 0.000050	0.061	0.000416	229	< 0.00010	0.00113	< 0.00020
CM_CCOFF	CM_CCOFF_WS_2022-01-25_NP	2022-01-25	-	0.0037		0.00031	0.00018	0.0254	< 0.020	< 0.000050	0.066	0.000401	244	< 0.00010	0.0007	0.00027
CM_CCOFF	CM_CCOFF_WS_2022-02-01_NP	2022-02-02		0.0046		0.00028	< 0.00020	0.0246	< 0.040	< 0.000100	0.064	0.000359	228	< 0.00020	0.00048	< 0.00040
CM_CCOFF	CM_CCOFF_WS_2022-02-08_N	2022-02-08		0.0038		0.00028	< 0.00020	0.0248	< 0.040	< 0.000100	0.07	0.000348	262	< 0.00020	0.00044	< 0.00040
CM_CCOFF	CM_CCOFF_WS_2022-02-15_NP	2022-02-15	-	0.0024		0.00029	0.00016	0.0252	< 0.020	< 0.000050	0.062	0.000297	239	< 0.00010	0.00035	0.00024
CM_CCOFF	CM_CCOFF_WS_2022-02-22_NP	2022-02-22	-	0.0036		0.00027	< 0.00020	0.0263	< 0.040	< 0.000100	0.06	0.000326	242	< 0.00020	0.00038	< 0.00040
CM_CCOFF	CM_CCOFF_WS_2022-03-01_NP	2022-03-01	-	0.0105		0.00026	0.00017	0.026	< 0.020	< 0.000050	0.059	0.0003	250	0.0001	0.00032	0.00022
CM_CCOFF	CM_CCOFF_WS_2022-03-08_NP	2022-03-08	-	< 0.0050		0.00027	< 0.00020	0.0265	< 0.040	< 0.000100	0.069	0.000252	240	< 0.00020	0.00037	< 0.00040
CM_CCOFF	CM_CCOFF_WS_2022-03-15_NP	2022-03-15	-	0.0033		0.00027	0.0002	0.0256	< 0.020	< 0.000050	0.06	0.000208	242	< 0.00010	0.00034	< 0.00020
CM_CCOFF	CM_CCOFF_WS_2022-03-22_NP	2022-03-22	-	0.0025		0.00027	0.0002	0.028	< 0.020	< 0.000050	0.069	0.00022	253	0.00011	0.00038	< 0.00020
CM_CCOFF	CM_CCOFF_WS_2022-03-29_NP	2022-03-29	-	0.0036		0.00026	0.00017	0.0268	< 0.020	< 0.000050	0.067	0.00024	239	0.00011	0.00071	0.0002
CM_CCOFF	CM_CCOFF_WS_2022-04-05_NP	2022-04-05	-	0.0058		0.00031	0.00012	0.0263	0.000027	< 0.000050	0.125	0.000244	225	< 0.00010	0.00604	0.00034

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals							
Sample	Sample	Sample Date	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Coal Mountain Mine	CNA CC4 IN/C 2022 04 04 N	1 2022 04 05 1 022 1	0.04	10,000050	0.0570	400	0.0744	0.0040	3.52	19.3	1 0 000040	40.0	1.02	0.000046	- 0 00010	4.0.00000	0.00044	0.044
CM_CC1 CM_CC1	CM_CC1_WS_2022-01-04_N CM_CC1_WS_2022-01-11_N	2022-01-06 922 2022-01-11 913	0.01 < 0.010	< 0.000050 < 0.000050	0.0576 0.0501	102 101	0.0744 0.0692	0.0612 0.0569	3.34	17.8	< 0.000010 < 0.000010	49.6 39.6	0.898	0.000046 0.00004	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00611 0.00592	0.014 0.0118
CM CC1	CM CC1 WS 2022-01-11 N		< 0.010	< 0.000050	0.0301	115	0.0092	0.0309	3.91	17.8	< 0.000010	37	1.01	0.00004	< 0.00010	< 0.00030	0.00592	0.0182
CM CC1	CM CC1 WS 2022-03-01 N		< 0.010	< 0.000050	0.0328	115	0.0269	0.0348	3.04	21	< 0.000010	25.9	0.695	0.000031	< 0.00010	< 0.00030	0.00606	0.0067
CM_CC1	CM_CC1_WS_2022-03-15_N	2022-03-15 988	< 0.010	< 0.000050	0.0342	112	0.0255	0.03	3.2	23.3	< 0.000010	26.7	0.738	0.000033	< 0.00010	< 0.00030	0.00667	0.0058
CM_CC1	CM_CC1_WS_2022-03-22_N		< 0.010	< 0.000050	0.0359	116	0.0259	0.0304	3.29	32.5	< 0.000010	29.6	0.768	0.000031	< 0.00010	< 0.00030	0.0063	0.0056
CM_CC1	CM_CC1_WS_2022-03-29_N		< 0.010	< 0.000050	0.0348	107	0.0348	0.0314	3.12	17.6	< 0.000010	26.1	0.73	0.00003	< 0.00010	< 0.00030	0.0055	0.006
CM_CC1	CM_CC1_WS_2022-04-05_N		< 0.010	< 0.000050	0.0444	100	0.0279	0.0283	2.79	16	< 0.000010	41.4	0.879	0.000032	< 0.00010	< 0.00030	0.00545	0.0057
CM_CC1 CM CC1	CM_CC1_WS_2022-04-12_N CM_CC1_WS_2022-04-19_N		< 0.010 < 0.010	< 0.000050 < 0.000050	0.0464 0.0446	100 98.5	0.0264 0.0269	0.0287 0.0281	3.05 3.06	18.8 15	< 0.000010 < 0.000010	38.5 43.5	0.844 0.882	0.000032 0.000031	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00512 0.00526	0.006 0.0055
CM CC1	CM CC1 WS 2022-04-19 N		< 0.010	< 0.000050	0.03885	90.8	0.0209	0.0201	2.725	13.2	< 0.000010	37.1	0.002	0.000031	< 0.00010	< 0.00030	0.00320	0.00535
CM CC1	CM CC1 WS 2022-05-03 N		< 0.010	< 0.000050	0.0507	83.7	0.0664	0.0492	3.15	12.2	< 0.000010	43.2	0.857	0.000036	< 0.00010	< 0.00030	0.00461	0.0078
CM_CC1	CM_CC1_2022-05-06_N2	2022-05-06 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_CC1	CM_CC1_2022-05-06_N1	2022-05-06 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_CC1	CM_CC1_2022-05-07_N1	2022-05-07 -	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
CM_CC1	CM_CC1_WS_2022-05-10_N		< 0.010	< 0.000050	0.0534	75.8	0.042	0.0377	2.81	16.9	< 0.000010	50.3	0.745	0.000035	< 0.00010	< 0.00030	0.00416	0.0146
CM_CC1	CM_CC1_WS_2022-05-17_N		< 0.010	< 0.000050	0.04445	78.85	0.062	0.0527	2.87	15.15	< 0.000010	35.65	0.7915	0.000038	< 0.00010	< 0.00030	0.004685	0.01695
CM_CC1 CM_CC1	CM_NNP_WS_2022-05-17_N CM_CC1_WS_2022-05-24_N	2022-05-17 - 2022-05-24 -	< 0.010	< 0.000050	0.0369	82.3	0.0471	0.0454	2.94	18.8	< 0.000010	31	0.686	0.000034	< 0.00010	< 0.00030	0.00489	0.0171
CM_CC1	CM CC1 WS 2022-05-31 N		< 0.010	< 0.000050	0.0309	70.4	0.0309	0.0454	2.94	21.1	< 0.000010	21.2	0.000	0.000034	< 0.00010	< 0.00030	0.00489	0.0236
CM CC1	CM CC1 WS 2022-06-07 N		< 0.010	< 0.000050	0.0263	67.8	0.0374	0.0398	2.39	21.2	< 0.000010	16.8	0.476	0.000031	< 0.00010	< 0.00030	0.00389	0.0286
CM CC1	CM CC1 WS 2022-06-14 N		< 0.010	< 0.000050	0.0185	56.6	0.0289	0.0308	2.16	14.4	< 0.000010	10	0.361	0.000023	< 0.00010	< 0.00030	0.00338	0.0286
CM_CC1	CM_CC1_WS_2022-06-21_N	2022-06-21 -	< 0.010	< 0.000050	0.026	67.95	0.0382	0.04105	2.505	16.1	< 0.000010	18.35	0.4755	0.0000325	< 0.00010	< 0.00030	0.00361	0.0333
CM_CC1	CM_CC1_WS_2022-06-28_N		< 0.010	< 0.000050	0.0364	87	0.0515	0.0583	3.1	17.6	< 0.000010	26.1	0.648	0.00004	< 0.00010	< 0.00030	0.00506	0.0332
CM_CC1	CM_CC1_WS_2022-07-05_N		< 0.010	< 0.000050	0.0385	94.5	0.0527	0.0626	3.25	19.2	< 0.000010	27.7	0.688	0.000041	< 0.00010	< 0.00030	0.00522	0.0205
CM_CC1	CM_NNP_WS_2022-07-12_N	2022-07-12 -	- 0.040	-	-	-	-	- 0.07075	- 0.405	-	- 0.000040	-	- 0.70	- 0.0000475	-	-	-	- 0.0407
CM_CC1 CM_CC1	CM_CC1_WS_2022-07-12_N CM_CC1_WS_2022-08-02_N		< 0.010 < 0.010	< 0.000050 < 0.000050	0.04345 0.0512	107.5 107	0.0529 0.0393	0.07375 0.07805	3.495 3.69	20.75 16.35	< 0.000010 < 0.000010	26.65 32.85	0.76 0.9295	0.0000475 0.0000565	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00636 0.006915	0.0107 0.0031
CM CC1	CM NNP WS 2022-08-02 N	2022-08-02 -	- 0.010	- 0.000030	-	-	0.0393	-	-	-	- 0.000010	-	0.9293	-	- 0.00010	- 0.00030	-	0.0031
CM CC1	CM CC1 2022-08-25 N1	2022-08-25 -			_	-	_	_	_	-	_	_	_	_	_	_	-	_
CM CC1	CM CC1 WS 2022-09-06 N		< 0.010	< 0.000050	0.04225	118	0.0219	0.06755	3.88	17.95	< 0.000010	34.85	0.899	0.0000485	< 0.00010	< 0.00030	0.005895	0.003
CM_CC1	CM_CC1_WS_SEPT-2022_N	2022-09-08 -	< 0.010	< 0.000050	0.0502	124	0.0235	0.0694	4.02	17.2	< 0.000010	34.8	0.803	0.000047	< 0.00010	< 0.00030	0.00618	0.0031
CM_CC1	CM_CC1_WS_2022-10-04_N		< 0.010	< 0.000050	0.0384	118	0.0121	0.0474	3.58	22	< 0.000010	27.8	0.796	0.000036	< 0.00010	< 0.00030	0.00562	0.0027
CM_CC1	CM_CC1_WS_2022-11-01_N		< 0.020	< 0.000100	0.0366	118	0.0203	0.0446	3.46	17.3	< 0.000020	26.4	0.807	0.000036	< 0.00020	< 0.00060	0.00602	0.003
CM_CC1	CM_CC1_WS_2022-12-06_N		< 0.010	< 0.000050	0.0426	136	0.02805	0.03135	3.64	21.75	< 0.000010	34	0.81	0.000031	< 0.00010	< 0.00030	0.00609	0.0036
CM_CCOFF CM CCOFF	CM_CCOFF_WS_2022-01-04_NP CM_CCOFF_WS_2022-01-11_NP	2022-01-06 - 2022-01-11 -	0.011 < 0.010	< 0.000050 < 0.000050	0.0626 0.0511	115 110	0.0349 0.0207	0.038 0.0297	3.36 3.12	29.5 29.3	< 0.000010 < 0.000010	61.4 43	1.14 0.955	0.000051 0.000048	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.0064 0.00674	0.034 0.0272
CM_CCOFF	CM CCOFF WS 2022-01-11_NP		< 0.010	< 0.000050	0.0311	125	0.0207	0.0237	3.39	32.8	< 0.000010	30.7	0.933	0.000048	< 0.00010	< 0.00030	0.00074	0.0272
CM CCOFF	CM CCOFF WS 2022-01-19 NP		< 0.010	< 0.000050	0.0357	130	0.0106	0.0274	3.51	33.6	< 0.000010	31	0.806	0.000044	< 0.00010	< 0.00030	0.00776	0.0241
CM CCOFF	CM CCOFF WS 2022-01-25 NP		< 0.010	< 0.000050	0.0366	134	0.00834	0.0256	3.59	36.5	< 0.000010	27	0.771	0.000044	< 0.00010	< 0.00030	0.00806	0.0221
CM_CCOFF	CM_CCOFF_WS_2022-02-01_NP	2022-02-02 -	< 0.020	< 0.000100	0.0341	132	0.00734	0.0245	3.23	30.5	< 0.000020	26	0.718	0.00004	< 0.00020	< 0.00060	0.00799	0.0195
CM_CCOFF	CM_CCOFF_WS_2022-02-08_N		< 0.020	< 0.000100	0.0366	142	0.00744	0.0248	3.39	32	< 0.000020	26.3	0.768	0.000043	< 0.00020	< 0.00060	0.00784	0.0176
CM_CCOFF	CM_CCOFF_WS_2022-02-15_NP		< 0.010	< 0.000050	0.0363	138	0.00688	0.0251	3.45	35.9	< 0.000010	26.5	0.732	0.000043	< 0.00010	< 0.00030	0.00861	0.017
CM_CCOFF	CM_CCOFF_WS_2022-02-22_NP		< 0.020	< 0.000100	0.0326	137	0.0064	0.026	3.38	31	< 0.000020	25.1	0.751	0.000042	< 0.00020	< 0.00060	0.00881	0.0169
CM_CCOFF	CM_CCOFF_WS_2022-03-01_NP		< 0.010	< 0.000050	0.0341	146	0.00667	0.0243	3.77	32.3	< 0.000010	25.5	0.735	0.00004	< 0.00010	< 0.00030	0.00819	0.0151
CM_CCOFF CM CCOFF	CM_CCOFF_WS_2022-03-08_NP CM_CCOFF_WS_2022-03-15_NP		< 0.020 < 0.010	< 0.000100 < 0.000050	0.038 0.0353	146 137	0.00856 0.00756	0.0256 0.0234	3.7 3.52	31.3 38.45	< 0.000020 < 0.000010	29.5 26.1	0.837 0.784	0.000041 0.000042	< 0.00020 < 0.00010	< 0.00060 < 0.00030	0.00888 0.00876	0.0148 0.013
CM_CCOFF	CM CCOFF_WS_2022-03-15_NP		< 0.010	< 0.000050	0.0353	148	0.00756	0.0255	3.88	38.3	< 0.000010	29.6	0.764	0.000042	< 0.00010	< 0.00030	0.00876	0.0134
CM CCOFF	CM CCOFF WS 2022-03-22 NP		< 0.010	< 0.000050	0.0370	132	0.014	0.0233	3.36	29.55	< 0.000010	26.3	0.817	0.000042	< 0.00010	< 0.00030	0.00739	0.015
CM_CCOFF	CM_CCOFF_WS_2022-04-05_NP		< 0.010	< 0.000050	0.0728	118	0.046	0.0393	3.12	23.6	< 0.000010	70.1	1.36	0.000053	< 0.00010	< 0.00030	0.00716	0.0285
			-		-	-											-	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolve	ed Metals					
				ε		_			_			c		E		
			ness	nin		попу	ü	Ę	i ii	£ £	<u> </u>	miun	<u> </u>	m min	#	per
Sample	Sample	Sample Date	lard	Alun		\ \ Tuti	۸rse	Sarit	Beryl	3isn	Boro	Cad	Calci	Chro	Cob	Copp
Location	ID	(mm/dd/yyyy)		mg/	L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				0	onic		_					a nic				ute onic
				Acut	Chro							Acut				Acut
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLMe
Coal Mountain Mine			,								,					
CM_CCOFF	CM_CCOFF_WS_2022-04-12_NP	2022-04-12		0.008		0.00032	0.00014	0.0263	< 0.020	< 0.000050	0.111	0.000202	228	0.00014	0.00392	0.00025
CM_CCOFF	CM_CCOFF_WS_2022-04-19_NP	2022-04-19	-	0.008		0.00031	0.00015	0.0276	< 0.020	< 0.000050	0.112	0.000147	221	0.00011	0.0029	0.00023
CM_CCOFF CM CCOFF	CM_CCOFF_WS_2022-04-26_NP CM_CCOFF_WS_2022-05-03_NP	2022-04-26 2022-05-03	-	0.008		0.00029 0.00034	0.00014 0.00016	0.0276 0.0275	< 0.020 < 0.020	< 0.000050 < 0.000050	0.092 0.118	0.000151 0.0000432	187 185	< 0.00010 < 0.00010	0.00234 0.00366	0.00021 0.00022
CM_CCOFF	CM CCOFF_W3_2022-03-03_NF CM CCOFF 2022-05-06 NP1	2022-05-06	-	0.01	50	0.00034	0.00016	0.0275	- 0.020	- 0.000030	0.110	- 0.0000432	100	- 0.00010	0.00300	0.00022
CM_CCOFF	CM CCOFF 2022-05-07 NP1	2022-05-07	 -			-	-	-	-	-	-	-	 -	-	-	_
CM CCOFF	CM CCOFF WS 2022-05-10 NP	2022-05-10	_	0.019	94	0.00035	0.00018	0.0261	< 0.020	< 0.000050	0.111	0.00023	174	0.00011	0.00385	0.00026
CM CCOFF	CM CCOFF WS 2022-05-17 NP	2022-05-17	-	0.012		0.00029	0.00014	0.0216	< 0.020	< 0.000050	0.071	0.000295	164	0.00014	0.00151	0.00029
CM CCOFF	CM CCOFF WS 2022-05-24 NP	2022-05-24	-	0.00		0.00027	0.00017	0.0206	< 0.020	< 0.000050	0.042	0.000365	151	0.00018	0.00075	0.00025
CM CCOFF	CM CCOFF WS 2022-05-31 NP	2022-05-31	-	0.008	52	0.00029	0.00016	0.017	< 0.020	< 0.000050	0.037	0.000375	146	0.00012	0.00069	0.00023
CM_CCOFF	CM_CCOFF_WS_2022-06-07_NP	2022-06-07	-	0.002	28	0.0003	0.00014	0.0148	< 0.020	< 0.000050	0.028	0.000604	136	0.00012	0.0006	0.00028
CM_CCOFF	CM_CCOFF_WS_2022-06-14_NP	2022-06-15	-	0.002	29	0.00031	0.0002	0.0165	< 0.020	< 0.000050	0.027	0.000561	120	0.0001	0.00073	0.00027
CM_CCOFF	CM_CCOFF_WS_2022-06-21_NP	2022-06-21	-	0.003	31	0.00033	0.00011	0.0172	< 0.020	< 0.000050	0.038	0.000819	146	0.00012	0.00175	0.00041
CM_CCOFF	CM_CCOFF_WS_2022-06-28_NP	2022-06-28	-	0.002	29	0.0003	0.00017	0.0226	< 0.020	< 0.000050	0.044	0.000774	169	0.00011	0.00125	0.00037
CM_CCOFF	CM_CCOFF_WS_2022-07-05_NP	2022-07-05	-	0.002		0.0003	0.00016	0.0236	< 0.020	< 0.000050	0.053	0.000929	201	0.00013	0.00081	0.00032
CM_CCOFF	CM_CCOFF_WS_2022-07-12_NP	2022-07-12	-	0.00		0.00029	0.00017	0.0243	< 0.020	< 0.000050	0.044	0.000949	244	0.00014	0.00048	0.00033
CM_CCOFF	CM_CCOFF_WS_2022-07-19_NP	2022-07-19	-	0.002		0.00028	< 0.00020	0.0251	< 0.040	< 0.000100	0.068	0.000843	226	< 0.00020	0.00049	< 0.00040
CM_CCOFF	CM_CCOFF_WS_2022-07-26_NP	2022-07-26	-	0.00		0.00037	0.00017	0.0254	< 0.020	< 0.000050	0.07	0.00078	255	< 0.00010	0.00041	0.00029
CM_CCOFF	CM_CCOFF_WS_2022-08-02_NP	2022-08-02	-	< 0.00		0.0003	< 0.00020	0.0257	< 0.040	< 0.000100	0.058	0.000581	240	< 0.00020	0.00052	< 0.00040
CM_CCOFF	CM_CCOFF_WS_2022-08-09_NP	2022-08-10	-	0.00		0.00033	0.0002	0.0279	< 0.020	< 0.000050	0.064	0.000568	260	< 0.00010	0.00043	0.00022
CM_CCOFF	CM_CCOFF_WS_2022-08-16_NP	2022-08-16	-	0.002		0.00029	< 0.00020	0.0254	< 0.040	< 0.000100	0.06	0.000524	235	< 0.00020	0.00042	< 0.00040
CM_CCOFF	CM_CCOFF_WS_SESMP_2022-08_N	2022-08-16	-	0.002		0.00034	0.00019	0.025	< 0.020	< 0.000050	0.057	0.000542	245	0.00012	0.00039	0.00026
CM_CCOFF	CM_CCOFF_WS_2022-08-23_NP	2022-08-23	-	0.00	18	0.0003	0.00024	0.0252	< 0.020	< 0.000050	0.067	0.000539	274	< 0.00010	0.0003	0.00027
CM_CCOFF CM_CCOFF	CM_CCOFF_2022-08-25_NP1 CM_CCOFF_2022-08-25_NP2	2022-08-25	-	-		-	-	-	-	-	-	-	-	-	-	-
CM_CCOFF	CM CCOFF 2022-08-25 NP3	2022-08-25 2022-08-25	-	-		-	-	-	-	-	-	-	-	-	-	-
CM_CCOFF	CM CCOFF 2022-06-25 NP3 CM CCOFF WS 2022-08-30 NP	2022-08-20	-	0.00	17	0.0003	0.00019	0.0257	< 0.020	< 0.000050	0.064	0.000481	253	< 0.00010	0.00033	0.00021
CM_CCOFF	CM_CCOFF_WS_2022-08-30_NP	2022-09-06	 	< 0.00		0.0003	0.00019	0.0237	< 0.020	< 0.000100	0.067	0.000457	274	< 0.00010	0.00033	< 0.00021
CM CCOFF	CM CCOFF WS 2022-09-13 NP	2022-09-13	 	0.002		0.00031	< 0.00021	0.0244	< 0.040	< 0.000100	0.062	0.000423	252	< 0.00020	0.00041	< 0.00040
CM CCOFF	CM CCOFF WS 2022-09-13 NP	2022-09-10	<u> </u>	< 0.00		0.00032	< 0.00020	0.0237	< 0.040	< 0.000100	0.067	0.000428	252	< 0.00020	0.0003	0.00225
CM CCOFF	CM CCOFF WS 2022-09-27 NP	2022-09-27	<u> </u>	0.00		0.00029	0.00019	0.026	< 0.020	< 0.000100	0.06	0.000453	273	0.00012	0.00028	0.00029
CM CCOFF	CM CCOFF WS 2022-10-04 NP	2022-10-04	 -	< 0.00		0.00028	0.0002	0.0262	< 0.020	< 0.000050	0.053	0.00047	278	< 0.00012	0.00027	0.00021
CM CCOFF	CM CCOFF WS 2022-10-11 NP	2022-10-11	_	0.00		0.00029	0.00014	0.0263	< 0.020	< 0.000050	0.04	0.000535	290	0.00012	0.00027	0.00021
CM_CCOFF	CM_CCOFF_WS_2022-10-18_NP	2022-10-18	-	0.00		0.00027	< 0.00020	0.026	< 0.040	< 0.000100	0.056	0.000437	294	< 0.00020	0.00033	0.0004
CM_CCOFF	CM_CCOFF_WS_2022-10-25_NP	2022-10-25	-	< 0.00		0.00027	0.0002	0.0248	< 0.020	< 0.000050	0.045	0.000463	275	< 0.00010	0.00029	< 0.00020
CM_CCOFF	CM_CCOFF_WS_2022-11-01_NP	2022-11-01	-	0.002	25	0.00027	< 0.00020	0.027	< 0.040	< 0.000100	0.078	0.000111	257	< 0.00020	0.00053	< 0.00040
CM_CCOFF	CM_CCOFF_WS_2022-11-08_NP	2022-11-08	-	0.003	39	0.00026	< 0.00020	0.0245	< 0.040	< 0.000100	0.09	0.000167	230	< 0.00020	0.00243	< 0.00040
CM_CCOFF	CM_CCOFF_WS_2022-11-15_NP	2022-11-15	-	0.004		0.0003	< 0.00020	0.0256	< 0.040	< 0.000100	0.109	0.000195	275	< 0.00020	0.00402	0.00082
CM_CCOFF	CM_CCOFF_WS_2022-11-22_NP	2022-11-22	-	0.00		0.0003	0.00022	0.0273	< 0.040	< 0.000100	0.103	0.000176	251	< 0.00020	0.00345	< 0.00040
CM_CCOFF	CM_CCOFF_WS_2022-11-29_NP	2022-11-29		0.003		0.00034	0.00019	0.0257	< 0.020	< 0.000050	0.106	0.000169	311	< 0.00010	0.00275	0.00023
CM_CCOFF	CM_CCOFF_WS_2022-12-06_NP	2022-12-07	-	0.002		0.0003	0.00021	0.0222	< 0.040	< 0.000100	0.057	0.000185	274	< 0.00020	0.00133	< 0.00040
CM_CCOFF	CM_CCOFF_WS_2022-12-13_NP	2022-12-13	-	0.003		0.00032	0.00021	0.0254	< 0.020	< 0.000050	0.104	0.000178	295	0.00011	0.00137	0.0003
CM_CCOFF	CM_CCOFF_WS_2022-12-28_NP	2022-12-28	-	< 0.00		0.00026	0.00014	0.0251	< 0.020	< 0.000050	0.113	0.000128	266	< 0.00010	0.00098	< 0.00020
CM_SPD	CM_NNP_WS_2022-01-04_N	2022-01-06	-	0.017		0.00046333	< 0.00020	0.02063333	< 0.040	< 0.000100	0.081	0.000147667	166.4	< 0.00020	0.021167	< 0.00040
CM_SPD	CM_SPD_WS_2022-01-11_N	2022-01-11	-	0.008		0.00052	0.00017	0.0279	< 0.020	< 0.000050	0.094	0.000179	233	< 0.00010	0.024	< 0.00020
CM_SPD CM_SPD	CM_SPD_WS_2022-02-01_N CM_NNP_WS_2022-02-01_N	2022-02-01 2022-02-01	-	0.008		0.0009 0.000495	0.00015 0.00012	0.023	< 0.020	< 0.000050 < 0.000050	0.128 0.0685	0.000329 0.000167	261	< 0.00010 < 0.00010	0.0318 0.0157	< 0.00020 < 0.00020
CM_SPD CM_SPD	CM_NNP_WS_2022-01_N CM_SPD_WS_2022-03-01_N	2022-02-01	-	0.002		0.000495	< 0.00012	0.01125 0.0277	< 0.020 < 0.040	< 0.000050	0.0685	0.000167	130.5 235	< 0.00010	0.0157	< 0.00020
CM_SPD CM_SPD	CM_SPD_WS_2022-03-01_N CM_SPD_WS_2022-03-15_N	2022-03-01	-	0.002		0.0005	0.00020	0.0277	< 0.040	< 0.000100	0.072	0.000108	243	< 0.00020	0.0162	0.00040
CM SPD	CM_SPD_WS_2022-03-15_N CM_SPD_WS_2022-03-22_N	2022-03-15		0.002		0.00042	0.00015	0.0297	< 0.020	< 0.000050	0.056	0.0000677	256	< 0.00010		< 0.00022
OW_OF D	OIVI_OI D_VVO_2022=00=22_IV	2022-00-22	<u> </u>	0.002		0.00044	0.00014	0.0312	· 0.020	· 0.000000	0.000	0.0000027	200	~ 0.00010	0.0130	~ 0.00020

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals							
Sample	Sample	Sample Date H	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Coal Mountain Mine	OM 000FF W0 0000 04 40 ND	0000 04 40	. 0.040		0.0070	404	0.0040	0.0050	0.47	1 04.4	. 0 000010	50.0	1 10	0.000040	. 0 00040	- 0 00000	0.00700	0.0400
CM_CCOFF	CM_CCOFF_WS_2022-04-12_NP	2022-04-12 -	< 0.010	< 0.000050	0.0679	121	0.0318	0.0352	3.47	31.4	< 0.000010	59.3	1.2	0.000049	< 0.00010	< 0.00030	0.00738	0.0199
CM_CCOFF CM CCOFF	CM_CCOFF_WS_2022-04-19_NP CM_CCOFF_WS_2022-04-26_NP	2022-04-19 - 2022-04-26 -	< 0.010 < 0.010	< 0.000050 < 0.000050	0.072 0.0625	124 108	0.0272 0.0234	0.0317 0.0273	3.33	25.1 22.3	< 0.000010 < 0.000010	69.3 61.8	1.2 0.985	0.000047 0.000037	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00718 0.00626	0.0145 0.0141
CM_CCOFF	CM_CCOFF_W3_2022-04-20_NF CM_CCOFF_WS_2022-05-03_NP	2022-04-20 -	< 0.010	< 0.000050	0.0023	100	0.0234	0.0273	3.18	20.7	< 0.000010	91.6	1.19	0.000051	< 0.00010	< 0.00030	0.00557	0.0072
CM CCOFF	CM CCOFF 2022-05-06 NP1	2022-05-06 -		- 0.000000	-	-	-	-	-	-	- 0.000010		-	-	- 0.00010	- 0.00030	-	-
CM CCOFF	CM CCOFF 2022-05-07 NP1	2022-05-07 -	-	_	-	-	-	_	_	_	-	_	_	_	_	_	-	-
CM CCOFF	CM CCOFF WS 2022-05-10 NP	2022-05-10 -	< 0.010	< 0.000050	0.0862	94.8	0.0286	0.0322	3.13	25.5	< 0.000010	81.9	0.88	0.000045	< 0.00010	< 0.00030	0.00488	0.0256
CM CCOFF	CM CCOFF WS 2022-05-17 NP	2022-05-17 -	< 0.010	< 0.000050	0.0483	89.1	0.014	0.0221	2.76	26.5	< 0.000010	46.1	0.73	0.000035	< 0.00010	< 0.00030	0.00452	0.0233
CM_CCOFF	CM_CCOFF_WS_2022-05-24_NP	2022-05-24 -	< 0.010	< 0.000050	0.033	90.7	0.00717	0.0201	2.76	28.8	< 0.000010	32	0.547	0.000032	< 0.00010	< 0.00030	0.00466	0.0237
CM_CCOFF	CM_CCOFF_WS_2022-05-31_NP	2022-05-31 -	< 0.010	< 0.000050	0.0266	79.3	0.00712	0.0218	2.71	28.4	< 0.000010	20.6	0.41	0.000032	< 0.00010	< 0.00030	0.00411	0.0304
CM_CCOFF	CM_CCOFF_WS_2022-06-07_NP	2022-06-07 -	0.011	< 0.000050	0.0212	73.4	0.00411	0.0237	2.32	30.3	< 0.000010	14.7	0.358	0.00003	< 0.00010	< 0.00030	0.00382	0.0424
CM_CCOFF	CM_CCOFF_WS_2022-06-14_NP	2022-06-15 -	< 0.010	< 0.000050	0.0189	70.8	0.00475	0.0248	2.42	25.5	< 0.000010	14.8	0.315	0.000028	< 0.00010	< 0.00030	0.00333	0.0461
CM_CCOFF	CM_CCOFF_WS_2022-06-21_NP	2022-06-21 -	< 0.010	< 0.000050	0.0256	83.4	0.00938	0.0309	2.73	27.6	< 0.000010	20.1	0.44	0.000041	< 0.00010	< 0.00030	0.00399	0.0529
CM_CCOFF	CM_CCOFF_WS_2022-06-28_NP	2022-06-28 -	< 0.010	< 0.000050	0.0276	93.2	0.00832	0.03	2.68	25	< 0.000010	22.3	0.494	0.00004	< 0.00010	< 0.00030	0.00456	0.0552
CM_CCOFF	CM_CCOFF_WS_2022-07-05_NP	2022-07-05 -	< 0.010	< 0.000050	0.0324	118	0.00802	0.0351	3.21	33.4	< 0.000010	26	0.59	0.000044	< 0.00010	< 0.00030	0.00588	0.0541
CM_CCOFF	CM_CCOFF_WS_2022-07-12_NP	2022-07-12 -	< 0.010	< 0.000050	0.0288	137	0.00421	0.0356	3.28	38.2	< 0.000010	16.9	0.536	0.000046	< 0.00010	< 0.00030	0.00708	0.0544
CM_CCOFF	CM_CCOFF_WS_2022-07-19_NP	2022-07-19 -	< 0.020	< 0.000100	0.0275	131	0.00504	0.0354	3.2	30.9	< 0.000020	22.7	0.582	0.000044	< 0.00020	< 0.00060	0.00682	0.0509
CM_CCOFF	CM_CCOFF_WS_2022-07-26_NP	2022-07-26 -	< 0.010	< 0.000050	0.0398	132	0.00491	0.0357	3.48	36.4	< 0.000010	25	0.845	0.000066	< 0.00010	< 0.00030	0.00934	0.0485
CM_CCOFF	CM_CCOFF_WS_2022-08-02_NP	2022-08-02 -	< 0.020	< 0.000100	0.0337	140	0.00526	0.0352	3.44	30.2	< 0.000020	23.8	0.679	0.000053	< 0.00020	< 0.00060	0.00779	0.0403
CM_CCOFF	CM_CCOFF_WS_2022-08-09_NP	2022-08-10 -	< 0.010	< 0.000050	0.0355	161	0.0047	0.037	3.81	40.4	< 0.000010	24.7	0.708	0.00006	< 0.00010	< 0.00030	0.00889	0.0427
CM_CCOFF	CM_CCOFF_WS_2022-08-16_NP	2022-08-16 -	< 0.020	< 0.000100	0.0342	151	0.00423	0.0361	3.51	32.4	< 0.000020	23.3	0.64	0.000052	< 0.00020	< 0.00060	0.00804	0.0344
CM_CCOFF CM CCOFF	CM_CCOFF_WS_SESMP_2022-08_N CM_CCOFF_WS_2022-08-23_NP	2022-08-16 - 2022-08-23 -	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0348 0.0367	149 160	0.00435 0.0049	0.0362 0.0381	3.56 3.83	39.2 38.4	< 0.000010 < 0.000010	22.8 25.2	0.691 0.722	0.000059 0.000055	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00824 0.00823	0.0322 0.0364
CM_CCOFF	CM CCOFF_WS_2022-06-25_NP CM CCOFF_2022-08-25_NP1	2022-08-25 -	- 0.010		0.0307	-	0.0049	0.0361	3.03	30.4	- 0.000010	25.2	0.722	0.000055	- 0.00010		0.00623	0.0364
CM_CCOFF	CM CCOFF 2022-08-25 NP2	2022-08-25 -		-		-	-	-	-	-	-	-	-	_	-	-	-	-
CM_CCOFF	CM_CCOFF_2022-08-25_NF2	2022-08-25 -	-	-		-			-	-	-		-		-			-
CM CCOFF	CM CCOFF WS 2022-08-30 NP	2022-08-30 -	< 0.010	< 0.000050	0.0438	150	0.00478	0.0373	3.69	36	< 0.000010	24.4	0.747	0.000056	< 0.00010	< 0.00030	0.00866	0.033
CM CCOFF	CM CCOFF WS 2022-09-06 NP	2022-09-06 -	< 0.020	< 0.000100	0.0326	162	0.00470	0.0389	3.92	34.8	< 0.000010	27.4	0.786	0.000056	< 0.00010	< 0.00060	0.00806	0.032
CM CCOFF	CM CCOFF WS 2022-09-13 NP	2022-09-13 -	< 0.020	< 0.000100	0.0371	158	0.00451	0.0364	3.76	31.5	< 0.000020	25.3	0.743	0.000054	< 0.00020	< 0.00060	0.00833	0.0277
CM CCOFF	CM CCOFF WS 2022-09-20 NP	2022-09-20 -	< 0.020	< 0.000100	0.0349	150	0.00451	0.0369	3.77	37	< 0.000020	22.2	0.676	0.00005	< 0.00020	< 0.00060	0.00774	0.0353
CM CCOFF	CM CCOFF WS 2022-09-27 NP	2022-09-27 -	< 0.010	< 0.000050	0.0361	167	0.00476	0.0394	3.75	37.8	< 0.000010	25.2	0.8	0.000054	< 0.00010	< 0.00030	0.00851	0.0312
CM_CCOFF	CM_CCOFF_WS_2022-10-04_NP	2022-10-04 -	< 0.010	< 0.000050	0.0315	161	0.00497	0.0397	3.98	44.4	< 0.000010	20.2	0.697	0.000054	< 0.00010	< 0.00030	0.00814	0.0281
CM_CCOFF	CM_CCOFF_WS_2022-10-11_NP	2022-10-11 -	< 0.010	< 0.000050	0.0294	157	0.00662	0.0398	3.93	40.3	< 0.000010	15.9	0.614	0.000054	< 0.00010	< 0.00030	0.00857	0.0387
CM_CCOFF	CM_CCOFF_WS_2022-10-18_NP	2022-10-18 -	< 0.020	< 0.000100	0.0295	165	0.00701	0.0373	3.78	32.1	< 0.000020	19.7	0.696	0.000054	< 0.00020	< 0.00060	0.00862	0.0336
CM_CCOFF	CM_CCOFF_WS_2022-10-25_NP	2022-10-25 -	< 0.010	< 0.000050	0.0287	161	0.00601	0.0386	3.67	35.9	< 0.000010	16.5	0.588	0.000051	< 0.00010	< 0.00030	0.00821	0.0343
CM_CCOFF	CM_CCOFF_WS_2022-11-01_NP	2022-11-01 -	< 0.020	< 0.000100	0.0351	150	0.00956	0.0342	3.73	32.8	< 0.000020	26	0.824	0.000046	< 0.00020	< 0.00060	0.00795	0.0141
CM_CCOFF	CM_CCOFF_WS_2022-11-08_NP	2022-11-08 -	< 0.020	< 0.000100	0.0424	145	0.0207	0.0348	3.48	32.9	< 0.000020	30.9	0.921	0.000048	< 0.00020	< 0.00060	0.00745	0.0153
CM_CCOFF	CM_CCOFF_WS_2022-11-15_NP	2022-11-15 -	< 0.020	< 0.000100	0.0476	161	0.0318	0.0423	3.72	31.1	< 0.000020	43.2	1.06	0.000053	< 0.00020	< 0.00060	0.00883	0.0204
CM_CCOFF	CM_CCOFF_WS_2022-11-22_NP	2022-11-22 -	< 0.020	< 0.000100	0.0541	143	0.0312	0.0384	3.9	30.8	< 0.000020	46	1.13	0.00005	< 0.00020	< 0.00060	0.00826	0.0161
CM_CCOFF	CM_CCOFF_WS_2022-11-29_NP	2022-11-29 -	< 0.010	< 0.000050	0.0533	167	0.0304	0.0387	3.98	35	< 0.000010	43.5	1.19	0.000059	< 0.00010	< 0.00030	0.00978	0.0149
CM_CCOFF	CM_CCOFF_WS_2022-12-06_NP	2022-12-07 -	< 0.020	< 0.000100	0.0406	164	0.019	0.032	3.81	31.3	< 0.000020	27	0.812	0.000063	< 0.00020	< 0.00060	0.00929	0.0142
CM_CCOFF	CM_CCOFF_WS_2022-12-13_NP	2022-12-13 -	< 0.010	< 0.000050	0.0485	162	0.019	0.0283	3.64	34.7	< 0.000010	40.1	1.14	0.000054	< 0.00010	< 0.00030	0.00967	0.0108
CM_CCOFF CM_SPD	CM_CCOFF_WS_2022-12-28_NP	2022-12-28 -	< 0.010	< 0.000050	0.0505	160 75.66833333	0.017	0.0259	3.52 3.266666667	39.5	< 0.000010	39.9 29.91666667	1 7 0.830066667	0.000045	< 0.00010	< 0.00030	0.00853	0.0088
CM_SPD CM_SPD	CM_NNP_WS_2022-01-04_N CM_SPD_WS_2022-01-11_N	2022-01-06 - 2022-01-11 -	< 0.020 < 0.010	< 0.000100 < 0.000050	0.046333333	109	0.1547 0.172	0.100833333 0.116	4.25	4.78666667 7.87	< 0.000020 < 0.000010	39		3.96667E-05 0.000051	< 0.00020 < 0.00010	0.000416667 < 0.00030	0.00523 0.00691	0.022 0.0213
CM_SPD CM SPD	CM_SPD_WS_2022-01-11_N CM_SPD_WS_2022-02-01_N	2022-01-11 -	< 0.010	< 0.000050	0.0606	111	0.172	0.116	5.12	5.88	< 0.000010	50.9	1.11	0.000051	< 0.00010	< 0.00030	0.00691	0.0213
CM_SPD	CM_SPD_WS_2022-02-01_N CM_NNP_WS_2022-02-01_N	2022-02-01 -	< 0.010	< 0.000050	0.0765	55.0025	0.08755	0.171	2.535	2.845	< 0.000010	24.825	0.7201	0.000078	< 0.00010	< 0.00030	0.00727	0.0374
CM_SPD	CM_NNP_WS_2022-02-01_N CM_SPD_WS_2022-03-01_N	2022-02-01 -	< 0.010	< 0.000100	0.0528	129	0.06755	0.06425	3.99	8.83	< 0.000010	36.3	0.7201	0.0000435	< 0.00010	< 0.00030	0.003665	0.0164
CM_SPD	CM_SFD_WS_2022-03-01_N CM_SPD_WS_2022-03-15_N	2022-03-01 -	< 0.020	< 0.000100	0.0328	120	0.0926	0.0786	3.82	10.3	< 0.000020	33.3	0.875	0.000041	< 0.00020	< 0.00030	0.00655	0.0122
CM_SPD	CM_SFD_WS_2022-03-13_N CM_SPD_WS_2022-03-22_N	2022-03-13 -	< 0.010	< 0.000050	0.0402	128	0.0920	0.0835	4.12	11	< 0.000010		0.931	0.000037	< 0.00010	< 0.00030	0.00658	0.0122
0.W_01 D		LULL-UU-LL -	- 0.010	- 0.000000	0.0020	120	0.0040	0.0000	7.14	- ''	1 - 0.000010	57.1	0.001	0.000001	- 0.00010	- 0.00000	0.00000	0.0110

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals						
Sample	Sample	Sample Date				Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron		Cadmium	Calcium	Chromium	Cobalt	Copper
Location	ID	(mm/dd/yyyy	mg/L	m	g/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	m	g/L	mg/L	mg/L	mg/L	mg/L
				Acute	Chronic							Acute	Chronic				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a	0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Coal Mountain Mine																	
CM_SPD	CM_SPD_WS_2022-03-29_N	2022-03-29	-		033	0.00037	0.00014	0.0322	< 0.020	< 0.000050	0.05		00067	213	< 0.00010	0.0119	< 0.00020
CM_SPD	CM_SPD_WS_2022-04-05_N	2022-04-05	-		006	0.00039	0.00016	0.0308	< 0.020	< 0.000050	0.051		00699	221	< 0.00010	0.0107	< 0.00020
CM_SPD	CM_SPD_WS_2022-04-12_N	2022-04-12	-		058	0.00038	0.00013	0.0312	< 0.020	< 0.000050	0.055		00639	217	< 0.00010	0.0117	0.00023
CM_SPD	CM_SPD_WS_2022-04-19_N	2022-04-19	-		065	0.00043	0.00018	0.0346	< 0.020	< 0.000050	0.058		00537	219	< 0.00010	0.0118	< 0.00020
CM_SPD	CM_SPD_WS_2022-04-26_N	2022-04-26	-		036	0.00034	0.00014	0.0281	< 0.020	< 0.000050	0.051		00053	195	< 0.00010	0.0102	< 0.00020
CM_SPD	CM_SPD_WS_2022-04-27_N	2022-04-27	-		036	0.00032	0.00012	0.0286	< 0.020	< 0.000050	0.052		00649	195	< 0.00010	0.00984	< 0.00020
CM_SPD	CM_SPD_WS_2022-04-28_N	2022-04-28	-		042	0.00037	0.00015	0.0314	< 0.020	< 0.000050	0.062		00787	200	< 0.00010	0.0127	0.0003
CM_SPD	CM_SPD_WS_2022-04-29_N	2022-04-29	-		045	0.00042	0.00013	0.0328	< 0.020	< 0.000050	0.073		00962	206	< 0.00010	0.0166	0.00028
CM_SPD CM SPD	CM_SPD_WS_2022-05-03_N CM_SPD_2022-05-06_N2	2022-05-03 2022-05-06			049	0.00043	0.00014	0.0318	< 0.020	< 0.000050	0.075		00125	185	< 0.00010	0.018	0.0002
CM_SPD CM SPD	CM_SPD_2022-05-06_N2 CM_SPD_2022-05-06_N1		-			-	-	-	-	-	-		<u>-</u>	-	-	-	-
CM_SPD CM_SPD	CM_SPD_2022-05-06_N1 CM_SPD_2022-05-07_N1	2022-05-06 2022-05-07	+		-	-	-	-	-	-			-	-	-	-	-
CM SPD	CM NNP WS 2022-05-10 N	2022-05-07	+	0.0035	- 566667	0.00033333	0.00011333	0.02453333	< 0.020	< 0.000050	0.051333	0.000	129667	110.4	< 0.00010	0.0103	0.000226667
CM SPD	CM SPD WS 2022-05-10 N	2022-05-10	-		004	0.00059	0.00011333	0.02455555	< 0.020	< 0.000050	0.031333		00292	193	< 0.00010	0.0103	0.000220007
CM SPD	CM NNP WS 2022-05-17 N	2022-05-17	- -		033	0.00033		0.01906667	< 0.020	< 0.000050	0.059		167333	127.7	< 0.00010	0.015267	< 0.00020
CM SPD	CM NNP WS 2022-05-31 N	2022-05-24	+ -		028	0.00042		0.01846667	< 0.020	< 0.000050	0.062667		0165	130.4	< 0.00010	0.016433	0.000246667
CM SPD	CM NNP WS 2022-06-07 N	2022-06-07	 	0.0022		0.00039667	< 0.00020	0.01556667	< 0.040	< 0.000100	0.058333		125667	131.4	< 0.00010	0.020333	< 0.00040
CM SPD	CM SPD WS 2022-06-14 N	2022-06-14	 		032	0.00046	0.00015	0.0358	< 0.020	< 0.000100	0.00000		0137	164	< 0.00010	0.0224	0.00025
CM SPD	CM SPD 2022-06-15 N1	2022-06-15	-		-	-	-	-	-	-	-		-	-	-	-	-
CM SPD	CM SPD WS 2022-06-21 N	2022-06-21	-		037	0.00061	0.00019	0.0297	< 0.020	< 0.000050	0.1	0.0	00208	199	< 0.00010	0.0309	< 0.00020
CM SPD	CM SPD WS 2022-06-28 N	2022-06-28	-		022	0.00081	0.00018	0.0236	< 0.020	< 0.000050	0.096		00193	234	< 0.00010	0.0356	< 0.00020
CM SPD	CM NNP WS 2022-07-05 N	2022-07-05	- 1	0.0020		0.00056333	0.00017333	0.01373333	< 0.020	< 0.000050	0.079667		00073	141.7	< 0.00010	0.020533	< 0.00020
CM SPD	CM SPD WS 2022-07-12 N	2022-07-12	-	0.0		0.00092	0.00018	0.0188	< 0.020	< 0.000050	0.138		00601	247	< 0.00010	0.0336	< 0.00020
CM SPD	CM SPD WS 2022-07-26 N	2022-07-26	-	0.0	021	0.00101	0.00019	0.0187	< 0.020	< 0.000050	0.137	0.00	00847	220	< 0.00010	0.0285	< 0.00020
CM_SPD	CM_SPD_WS_2022-08-02_N	2022-08-02	-	< 0.0	0010	0.00113	0.00022	0.0162	< 0.020	< 0.000050	0.147	0.0	0132	244	< 0.00010	0.0264	< 0.00020
CM_SPD	CM_SPD_WS_2022-08-09_N	2022-08-09	- 1	0.0	023	0.00107	0.00024	0.0163	< 0.020	< 0.000050	0.152	0.0	00169	222	< 0.00010	0.0262	0.00022
CM_SPD	CM_SPD_WS_2022-08-10_N	2022-08-10	- 1	0.0	018	0.001	0.00019	0.0168	< 0.020	< 0.000050	0.15	0.0	0144	230	< 0.00010	0.0273	< 0.00020
CM_SPD	CM_SPD_WS_2022-08-11_N	2022-08-11	-	0.0	022	0.00105	0.00018	0.0168	< 0.020	< 0.000050	0.161	0.0	0018	235	< 0.00010	0.0263	< 0.00020
CM_SPD	CM_SPD_WS_SESMP_2022-08_N	2022-08-16	-	0.0	003	0.00106	0.00019	0.0152	< 0.020	< 0.000050	0.151	0.00	0182	218	< 0.00010	0.0236	< 0.00020
CM_SPD	CM_SPD_2022-08-25_N1	2022-08-25	-		-	-	-	-	-	-	-		-	-	-	-	-
CM_SPD	CM_SPD_WS_2022-09-06_N	2022-09-06	-		002	0.00098	0.00022	0.0211	< 0.020	< 0.000050	0.126		00744	217	< 0.00010	0.0158	< 0.00020
CM_SPD	CM_SPD_WS_2022-10-04_N	2022-10-04	-	0.001		0.00053	0.00021667	0.01526667	< 0.020	< 0.000050	0.074		33E-05	155.7	< 0.00010	0.0071	< 0.00020
CM_SPD	CM_SPD_WS_2022-11-01_N	2022-11-01	- 1		0020	0.00054	< 0.00020	0.0252	< 0.040	< 0.000100	0.1		00022	238	< 0.00020	0.0121	< 0.00040
CM_SPD	CM_SPD_WS_2022-11-17_N	2022-11-17	-	0.0	022	0.00047	0.00019	0.0346	< 0.020	< 0.000050	0.074	0.00	00292	240	< 0.00010	0.0117	< 0.00020

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolve	ed Metals							
Sample Location	Sample ID	Sample Date ####################################	<u>5</u> <u>9</u> mg/L	Lead mg/L	Tithium ma/L	Magnesium T	Manganese	Nickel mg/L	B Potassium	Zelenium	Ng/L	unipos mg/L	Strontium	mg/L	E E mg/L	Titanium T	mg/L Oranium	o u IZ mg/L
Edution	i.	(IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	cute	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μу/∟	mg/L	ilig/L	mg/L	mg/L	IIIg/L	mg/L	mg/L	mg/L
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Coal Mountain Mine		1114	0.00	1110	1110		1114	1	1110	11/4	1	1110	100	1	1	100		1
CM SPD	CM SPD WS 2022-03-29 N	2022-03-29 -	< 0.010	< 0.000050	0.0427	108	0.0917	0.0639	3.38	8.18	< 0.000010	28.4	0.74	0.000028	< 0.00010	< 0.00030	0.00493	0.0101
CM SPD	CM SPD WS 2022-04-05 N	2022-04-05 -	< 0.010	< 0.000050	0.0374	111	0.0809	0.0596	3.31	9.75	< 0.000010	28.1	0.786	0.000029	< 0.00010	< 0.00030	0.00561	0.0108
CM_SPD	CM_SPD_WS_2022-04-12_N	2022-04-12 -	< 0.010	< 0.000050	0.0435	109	0.0854	0.0628	3.67	10.9	< 0.000010	28.7	0.804	0.000028	< 0.00010	< 0.00030	0.0049	0.0116
CM_SPD	CM_SPD_WS_2022-04-19_N	2022-04-19 -	< 0.010	< 0.000050	0.0395	111	0.0894	0.063	3.77	9.14	< 0.000010	31	0.883	0.000028	< 0.00010	< 0.00030	0.00536	0.0117
CM_SPD	CM_SPD_WS_2022-04-26_N	2022-04-26 -	< 0.010	< 0.000050	0.0372	101	0.0721	0.0565	3.2	9.27	< 0.000010	28.2	0.729	0.000026	< 0.00010	< 0.00030	0.00511	0.0084
CM_SPD	CM_SPD_WS_2022-04-27_N	2022-04-27 -	< 0.010	< 0.000050	0.0366	97.5	0.0697	0.055	2.9	8.85	< 0.000010	25.8	0.691	0.000028	< 0.00010	< 0.00030	0.00448	0.0091
CM_SPD	CM_SPD_WS_2022-04-28_N	2022-04-28 -	< 0.010	< 0.000050	0.0403	97	0.09	0.0652	3.43	9.62	< 0.000010	27.4	0.794	0.000033	< 0.00010	< 0.00030	0.00513	0.0113
CM_SPD	CM_SPD_WS_2022-04-29_N	2022-04-29 -	< 0.010	< 0.000050	0.0465	96.2	0.122	0.0808	3.92	9.17	< 0.000010	31	0.857	0.000038	< 0.00010	< 0.00030	0.00539	0.0122
CM_SPD	CM_SPD_WS_2022-05-03_N	2022-05-03 -	< 0.010	< 0.000050	0.0433	87	0.133	0.082	3.63	8.84	< 0.000010	28.1	0.878	0.000039	< 0.00010	< 0.00030	0.0052	0.0139
CM_SPD	CM_SPD_2022-05-06_N2	2022-05-06 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_SPD	CM_SPD_2022-05-06_N1	2022-05-06 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_SPD CM_SPD	CM_SPD_2022-05-07_N1	2022-05-07 -		- 0.000050	-	-	-	-	-	- 0.040000007		-	-	- 200075 05		-	-	-
CM_SPD CM_SPD	CM_NNP_WS_2022-05-10_N CM_SPD_WS_2022-05-17_N	2022-05-10 - 2022-05-17 -	< 0.010 < 0.010	< 0.000050 < 0.000050	0.02000007	49.06833333 86.4	0.073033333	0.049266667 0.106	2.163333333 3.73	8.016666667 9.63	< 0.000010 < 0.000010	16.28333333 31.8	0.506733333 1.01	2.76667E-05 0.000052	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.003103333	0.013733333
CM_SPD	CM_SPD_WS_2022-05-17_N CM_NNP_WS_2022-05-24_N	2022-05-17 -	< 0.010	< 0.000050		59.80166667		0.106	2.623333333	6.403333333	< 0.000010	23.25		3.86667E-05	< 0.00010	< 0.00030	0.00607	
CM SPD	CM_NNP_WS_2022-05-24_N CM_NNP_WS_2022-05-31_N	2022-05-31 -	< 0.010	< 0.000050		56.96833333		0.079166667	2.676666667	6.266666667	< 0.000010			4.13333E-05	< 0.00010	< 0.00030	0.004303333	0.019466667
CM SPD	CM_NNP_WS_2022-05-31_N	2022-03-31 -	< 0.010	< 0.000100	0.040733333			0.0885	2.546666667	4.033333333	< 0.000010		0.6934	3.66667E-05	< 0.00010	< 0.00060		0.015633333
CM SPD	CM SPD WS 2022-06-14 N	2022-06-14 -	< 0.020	< 0.000100	0.0448	73.4	0.154	0.0959	3.48	6.13	< 0.000010	27.7	0.821	0.00004	< 0.00020	< 0.00030	0.00499	0.0164
CM SPD	CM SPD 2022-06-15 N1	2022-06-15 -		- 0.000000	-	-	-	-	-	-		-	- 0.021	-		-	-	-
CM SPD	CM SPD WS 2022-06-21 N	2022-06-21 -	< 0.010	< 0.000050	0.0564	87.6	0.195	0.133	4.06	8.25	< 0.000010	33.9	1.04	0.000052	< 0.00010	< 0.00030	0.00639	0.0229
CM SPD	CM SPD WS 2022-06-28 N	2022-06-28 -	< 0.010	< 0.000050	0.0685	98.4	0.202	0.162	4.69	5.82	< 0.000010	41.5	1.18	0.000057	< 0.00010	< 0.00030	0.0074	0.0263
CM SPD	CM NNP WS 2022-07-05 N	2022-07-05 -	< 0.010	< 0.000050		60.50166667	0.114366667	0.1005	2.953333333	3.463333333	< 0.000010	26.65	0.766733333		< 0.00010	< 0.00030	0.004556667	0.010433333
CM_SPD	CM_SPD_WS_2022-07-12_N	2022-07-12 -	< 0.010	< 0.000050	0.0803	105	0.166	0.171	4.9	5.08	< 0.000010	47.7	1.3	0.000072	< 0.00010	< 0.00030	0.00775	0.0098
CM_SPD	CM_SPD_WS_2022-07-26_N	2022-07-26 -	< 0.010	< 0.000050	0.0782	94	0.128	0.164	4.89	4.41	0.000011	46.7	1.4	0.00008	< 0.00010	< 0.00030	0.00836	0.0063
CM_SPD	CM_SPD_WS_2022-08-02_N	2022-08-02 -	< 0.010	< 0.000050	0.0839	100	0.102	0.162	4.89	4.14	< 0.000010	49.2	1.38	0.000078	< 0.00010	< 0.00030	0.00781	0.0038
CM_SPD	CM_SPD_WS_2022-08-09_N	2022-08-09 -	< 0.010	< 0.000050	0.0896	98.9	0.0986	0.173	5.46	4.5	< 0.000010	52	1.35	0.000075	< 0.00010	< 0.00030	0.00722	0.0054
CM_SPD	CM_SPD_WS_2022-08-10_N	2022-08-10 -	< 0.010	< 0.000050	0.08	108	0.114	0.178	5.46	4.5	< 0.000010	53.5	1.33	0.000076	< 0.00010	< 0.00030	0.0075	0.0058
CM_SPD	CM_SPD_WS_2022-08-11_N	2022-08-11 -	< 0.010	< 0.000050	0.0797	113	0.109	0.164	5.18	5.1	< 0.000010	54.7	1.35	0.00008	< 0.00010	< 0.00030	0.00785	0.0069
CM_SPD	CM_SPD_WS_SESMP_2022-08_N	2022-08-16 -	0.011	< 0.000050	0.0816	103	0.093	0.165	5.08	4.37	< 0.000010	49.8	1.32	0.000078	< 0.00010	< 0.00030	0.00756	0.0059
CM_SPD	CM_SPD_2022-08-25_N1	2022-08-25 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_SPD	CM_SPD_WS_2022-09-06_N	2022-09-06 -	< 0.010	< 0.000050	0.0672	103	0.0546	0.133	4.88	5.13	< 0.000010	49.1	1.24	0.000065	< 0.00010	< 0.00030	0.00634	0.0035
CM_SPD	CM_SPD_WS_2022-10-04_N	2022-10-04 -	< 0.010	< 0.000050	0.044933333	79.335	0.023866667	0.078166667	3.296666667	4.676666667	< 0.000010	30.05	0.790066667	3.36667E-05	< 0.00010	< 0.00030	0.004416667	
CM_SPD	CM_SPD_WS_2022-11-01_N	2022-11-01 -	< 0.020	< 0.000100	0.0568	112	0.0555	0.0992	4.47	5.91	< 0.000020	36.2	1.06	0.000038	< 0.00020	< 0.00060	0.0065	0.0028
CM_SPD	CM_SPD_WS_2022-11-17_N	2022-11-17 -	< 0.010	< 0.000050	0.0542	121	0.0766	0.0819	4.41	9.41	< 0.000010	36.4	1.09	0.000034	< 0.00010	< 0.00030	0.00668	0.0072

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

											Dissolv	ed Metals					
Sample S					e								_		_		
Semble S				ess	<u> </u>		ony	<u>:</u>	ε	i E E	£	_	mile E	Ę	miun	±	er
Bell				rdr	<u> </u>		Ē	sen	i.	<u> </u>	l B	ro	ad m	這	ror	obal	ddc
BC WOOF PRIAN					4		_ ₹	. Ar	<u> </u>								ပ
Company Comp	Location	טו	(mm/dd/yyyy)	mg/L	mg I		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	j	mg/L	mg/L	mg/L	
State Part					Acute	Chroni							Acute				Acute Chroni
EVACE SYACE WEST 2002 1	BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
EV. AGE						15											0.00004
EY AGE EY AGE														_			
CYAGE	_			_													
EV AGE	_						1								1		
EV AGG				-			t								l		
EV AGB EV AGB EV MCV W2 2022 CR FV AGB EV	_			-			-	-	-	-	-	-	-	-	-	-	-
EV_AGE EV_AGE	EV_AQ6	EV_AQ6_WS_2022-Q2_N	2022-04-12	-	0.00)23	0.00016	0.00016	0.247	< 0.020	< 0.000050	0.016	0.0000109	89	< 0.00010	< 0.10	< 0.00060
EV AGE EV AGE				-									1 1111 11				< 0.00060
EV AG6 EV AG7 EV AG6 EV AG7 EV AG6 EV AG6	_			< 0.50	< 0.0	010	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00020
EV AGG EV AGG WEST 2022-05 MON N 2022-05 MON				-	-		-	-	-		-			-	-		
EV AGG EV AGG WS 2022-95 WKK21 N 2022-95-11				-			- 0.00044	- 0.00045	1		- 0.000050			- 04.0	- 0.00040		
EV AG6 EV AG6 WS 2022-05 WKK21 N 2022-05-16	_			-			0.00014				< 0.000050			84.6	< 0.00010	ł	
EV AGE			_	-							-			+ -	-		
EV AGG EV MGR WS 2022-05 MENR N 2022-05-05	_			-													
EV AGG EV MGC WS 2022-08 MON N 2022-06-07 - < 0.0018				-			1	-			_				_		
EV AGG EV AGG WS 2022-268-13, 1173 2022-0613			_	-	< 0.0	010	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00020
EV A06 EV A06 WS 2022-06 WRK2 50 2022-06 13	EV_AQ6	EV_MC6_WS_2022-06_MON_N	2022-06-07	-	0.00)18	0.00014	0.00017	0.178	< 0.020	< 0.000050	0.018	< 0.0050	93.7	< 0.00010	< 0.10	0.00022
EV AG6	EV_AQ6	EV_AQ6_WS_2022-06_MON_N	2022-06-08	-	0.00)19	0.00013	0.00013	0.172	< 0.020	< 0.000050	0.018	< 0.0050	86.4	< 0.00010	< 0.10	0.00021
EV AGG EV AGG WS 2022-64 I N 1725 2022-66-14	_			-	-		-	-	-	i-	-	-	-	-	-	-	-
EV AG6				-	-		-	-	-	-	-	-	-	-	-	-	-
EV AG6	_			-													
EV AG6 EV AG6 WS 2022-08 WERZT N 2022-07-28				-					+								
EV AG6	_			-										_		-	
EV AGG	_			_													
EV AG6	_													_			
EV AG6 EV AG6 WS SEMP 2022-08 MON N 2022-08-11 - 0.0024 0.00013 0.00025 0.174 < 0.020 < 0.00050 0.02 < 0.0050 62 < 0.0050 63 0.00015 < 0.10 0.00028 EV AG6 WS SEMP 2022-08 N 2022-09-11 - 0.0002 0.00013 0.00023 0.184 < 0.020 < 0.00055 0.019 < 0.0050 62 9 < 0.00010 < 0.10 0.00028 EV AG6 EV AG6 WS SEMP 2022-08 MON N 2022-09-07 - 0.0046 0.00012 0.0002 0.173 < 0.020 < 0.00055 0.018 < 0.0050 5.77 < 0.00010 < 0.10 0.00028 EV AG6 EV AG6 WS 2022-09 MON N 2022-09-07 - 0.0046 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00055 0.018 < 0.00050 5.77 < 0.00010 < 0.10 0.00028 EV AG6 EV AG6 WS 2022-09-08 N 2022-09-08 - 0.00117 0.00013 0.00024 0.193 < 0.020 < 0.000050 0.018 < 0.00050 5.74 < 0.00010 < 0.0002 EV AG6 EV AG6 WS 2022-09-09 N 2022-09-09 - 0.00012 0.00012 0.00024 0.193 < 0.00005 0.018 < 0.00050 5.74 < 0.00010 < 0.00012 EV AG6 EV AG6 WS 2022-09-09 N 2022-09-09 - 0.00012 0.00012 0.00012 0.00012 0.00024 0.193 < 0.00005 0.018 < 0.00050 5.87 < 0.00010 < 0.010 < 0.00012 0.0	_			-													< 0.00020
EV AG6	EV_AQ6		2022-07-12	-	-		-	-	-	-		-	-	-	-	-	
EV AG6	EV_AQ6	EV_AQ6_WS_2022-08_MON_N	2022-08-10	-	0.00)24	0.00013	0.00025	0.174	< 0.020	< 0.000050	0.02	< 0.0050	63	0.00015	< 0.10	0.00029
EV AG6	_			-												1	
EV AG6	_			-													
EV AQ6				-													
EV_AQ6	_			-													
EV_AQ6			_	+ -													
EV AQ6				+-													
EV AQ6	_			-												1	
EV_AQ6	_		_	-										_			< 0.00020
EV_AQ6 EV_MC8 WS_2022-11_MON_N 2022-11-09 - < 0.0010 < 0.00010 < 0.00010 < 0.00050 < 0.0050 < 0.0050 < 0.0010 < 0.00065 EV_BC1 EV_BC1_WS_2022-01-03_N-SRF 2022-01-03 - < 0.0020								0.00017						_			< 0.00020
EV_BC1 EV_BC1 WS_2022-01-03 N-SRF 2022-01-03 - < 0.00020 0.00054 0.00024 0.0567 < 0.040 < 0.000100 0.074 0.0000954 243 < 0.00020 0.00053 0.00063 EV_BC1 EV_BC1_WS_2022_Q1_N 2022-01-18 - 0.0031 0.00058 0.00023 0.0512 < 0.040				-										_			
EV_BC1 EV_BC1_WS_2022_Q1_N 2022-01-18 - 0.0031 0.00058 0.00023 0.0512 < 0.040 < 0.000100 0.07 0.000112 267 < 0.00020 0.00038 < 0.00040 EV_BC1 EV_BC1_WS_2022-01-18_N-SRF 2022-01-18 - 0.0035 0.00057 0.00023 0.0573 < 0.040	_			-										_			
EV_BC1 EV_BC1 WS_2022-01-18 N-SRF 2022-01-18 - - 0.0035 0.00057 0.00023 0.0573 < 0.040 < 0.000100 0.068 0.000118 271 < 0.00020 0.00044 < 0.00040 EV_BC1 EV_BC1 WS_2022-02-01 N-SRF 2022-02-01 - - 0.0038 0.00057 0.00024 0.0558 < 0.040				-													
EV_BC1 EV_BC1_WS_2022-02-01_N-SRF 2022-02-01 - 0.0038 0.00057 0.0024 0.0558 < 0.040 < 0.00100 0.00116 301 < 0.00020 0.00039 < 0.00040 EV_BC1 EV_BC1_WS_2022-02_MON_N 2022-02-08 - 0.0029 0.00096 < 0.00020	_															1	
EV_BC1 EV_BC1_WS_2022-02_MON_N 2022-02-08 - 0.0029 0.0096 < 0.00096 < 0.00020 0.0882 < 0.040 < 0.00100 0.00554 233 < 0.00020 0.00048 EV_BC1 EV_BC1_WS_2022-02-15_N-SRF 2022-02-15_5 - 0.0048 0.00099 0.0026 0.0964 < 0.040				-										_			
EV_BC1 EV_BC1_WS_2022-02-15_N-SRF 2022-02-15_N-SRF 2022-02-15_N-SRF 2022-02-15_N-SRF 0.0048 0.00099_0.00026_0.0964 < 0.040 < 0.00100_0.041 0.0000344 237 < 0.00020_ < 0.0040 EV_BC1 EV_BC1_WS_2022-03-01_N-SRF 2022-03-01_N-SRF 2022-03-01_N	_			+ -													
EV_BC1				_												1	< 0.00040
				_										_			< 0.00040
EV_BC1	EV_BC1	EV_BC1_WS_2022-03-15_N-SRF	2022-03-15	-			0.00093	0.0002	0.0828	< 0.040	< 0.000100	0.04	0.0000407	209			< 0.00040

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissolv	ed Metals							
Sample	Sample	Sample Date H Lardness	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Ē	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		Acute									-						
BC WQG FWAL		n/a 0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation	EV AQ6 WS 2022-Q1 N	2022.04.07	< 0.000050	0.0169	20.4	0.00270	0.00077	1.40	E 04	< 0.000010	F 67	0.254	< 0.000010	< 0.00010	< 0.00030	0.0012	0.0040
EV_AQ6 EV AQ6	EV_AQ6_WS_2022-Q1_N EV_AQ6_WS_2022-02_MON_N	2022-01-07 - < 0.010 2022-02-07 - < 0.010	< 0.000050 < 0.000050	0.0168 0.0162	38.4 36.7	0.00378 0.0012	0.00077 0.00066	1.49 1.39	5.94 5.58	< 0.000010 < 0.000010	5.67 4.8	0.254 0.238	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.0012 0.00109	0.0049 0.0082
EV_AQ6	EV_AQ6_WS_2022-02_MON_N EV_AQ6_WS_2022-03_MON_N	2022-02-07 - < 0.010	< 0.000050	0.0165	39.7	0.0012	0.00076	1.59	7.81	< 0.000010	8.39	0.283	< 0.000010	< 0.00010	< 0.00030	0.00109	0.0082
EV_AQ6	EV AQ6 WS 2022-03 WEK13 N	2022-03-22	- 0.000000	-	-	-	-	-	7.01	- 0.000010	-	- 0.200		- 0.00010	- 0.00000	- 0.00110	-
EV AQ6	EV AQ6 WS 2022-03 WEK14 N	2022-03-28	_	-	_	_	-	-	-	_	_	_	_	_	_	-	_
EV AQ6	EV AQ6 WS 2022-04 WEK15 N	2022-04-04	_	_	_	_	-	_	_	_	-	_	_	_	_	_	_
EV_AQ6	EV_AQ6_WS_2022-Q2_N	2022-04-12 - < 0.010	< 0.000050	0.0154	38	0.00072	0.0009	1.53	8.26	< 0.000010	9.27	0.294	< 0.000010	< 0.00010	< 0.00030	0.00122	0.0035
EV_AQ6	EV_MC5_WS_2022-Q2_N	2022-04-13 - < 0.010	< 0.000050	0.0155	37.5	0.00086	0.00089	1.53	8.15	< 0.000010	9.21	0.288	< 0.000010	0.00018	< 0.00030	0.0012	0.0037
EV_AQ6	EV_MC7_WS_2022-Q2_N	2022-04-13 < 0.50 < 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.000010	< 0.0010
EV_AQ6	EV_AQ6_WS_2022-04_WEK17_N	2022-04-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-04_WEK18_N	2022-04-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-05_MON_N	2022-05-03 - < 0.010	< 0.000050	0.0157	36.4	0.00102	0.00078	1.55	6.74	< 0.000010	7.41	0.27	< 0.000010	< 0.00010	< 0.00030	0.00109	0.0033
EV_AQ6	EV_AQ6_WS_2022-05_WEK20_N	2022-05-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-05_WEK21_N	2022-05-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-05_WEK22_N	2022-05-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-05_WEK23_N	2022-05-30					- 0.00050										
EV_AQ6	EV_MC8_WS_2022-06_MON_N	2022-06-07 - < 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.000010	< 0.0010
EV_AQ6 EV AQ6	EV_MC6_WS_2022-06_MON_N	2022-06-07 - < 0.010 2022-06-08 - < 0.010	< 0.000050 < 0.000050	0.0183 0.0164	38.8 33.9	0.00102 0.00091	< 0.00050 < 0.00050	1.43 1.3	4.74 4.97	< 0.000010 < 0.000010	6.07 5.59	0.282 0.268	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00116 0.00115	0.0026
EV_AQ6	EV_AQ6_WS_2022-06_MON_N EV_AQ6_WS_2022-06-13_N_1743	2022-06-08 - < 0.010	- 0.000030	-	-	0.00091	< 0.00030	1.3	4.97	- 0.000010	5.59	-	< 0.000010	- 0.00010	- 0.00030	0.00113	0.0023
EV_AQ6	EV AQ6 WS 2022-06 WEK25 N	2022-06-13	- -	-			_			-						_	-
EV_AQ6	EV AQ6 WS 2022-06-VER25 N	2022-06-14	_		_		-		-		-				<u> </u>	_	
EV AQ6	EV AQ6 WS 2022-06-14 N 0650	2022-06-14	_	-	_	_	-	-	-	_	_	_	-	_	_	_	_
EV AQ6	EV AQ6 WS 2022-06 WEK26 N	2022-06-21	_	_	_	_	_	-	-	_	_	_	_	_	_	_	_
EV AQ6	EV AQ6 WS 2022-06 WEK27 N	2022-06-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV AQ6	EV AQ6 WS 2022-Q3 N	2022-07-06 - < 0.010	< 0.000050	0.0164	42	0.00227	0.00082	1.58	5.42	< 0.000010	8.14	0.284	< 0.000010	< 0.00010	< 0.00030	0.000957	0.002
EV AQ6	EV MC6 WS 2022-Q3 N	2022-07-06 - < 0.010	< 0.000050	0.0155	40.4	0.00201	0.00078	1.52	5.18	< 0.000010	7.91	0.287	< 0.000010	< 0.00010	< 0.00030	0.00102	0.0018
EV_AQ6	EV_MC8_WS_2022-Q3_N	2022-07-06 - < 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.000010	< 0.0010
EV_AQ6	EV_AQ6_WS_2022-07_WEK29_N	2022-07-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-08_MON_N	2022-08-10 - 0.016	< 0.000050	0.0172	39.1	0.00909	0.0007	1.48	5.51	< 0.000010	3.83	0.238	< 0.000010	< 0.00010	< 0.00030	0.000915	0.0028
EV_AQ6	EV_AQ6_WS_SESMP_2022_08_N	2022-08-11 - 0.014	< 0.000050	0.0151	35.9	0.0095	0.00072	1.36	4.66	< 0.000010	3.52	0.237	< 0.000010	< 0.00010	< 0.00030	0.000918	0.0027
EV_AQ6	EV_AQ6_WS_2022-09_MON_N	2022-09-07 - 0.016	< 0.000050	0.0174	38.3	0.00466	0.00064	1.41	4.69	< 0.000010	3.45	0.228	< 0.000010	< 0.00010	< 0.00030	0.000848	0.0022
EV_AQ6	EV_MC8_WS_2022-09_MON_N	2022-09-07 - < 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.000010	< 0.0010
EV_AQ6	EV_AQ6_WS_2022-09-08_N	2022-09-08 - 0.012	< 0.000050	0.0161	39.2	0.00698	0.0008	1.49	5.45	< 0.000010	3.62	0.223	< 0.000010	< 0.00010	< 0.00030	0.000759	0.0022
EV_AQ6	EV_AQ6_WS_2022-09-09_N	2022-09-09 - 0.012	< 0.000050	0.0169	36.7	0.00512	0.00087	1.41	4.95	< 0.000010	3.4	0.216	< 0.000010	< 0.00010	< 0.00030	0.000742	0.0017
EV_AQ6 EV AQ6	EV_AQ6_WS_2022-09-10_N EV_AQ6_WS_2022-Q4_N	2022-09-10 - 0.011 2022-10-07 - < 0.010	< 0.000050 < 0.000050	0.0173 0.0163	37.1 35.8	0.00511 0.00365	0.0008 0.00058	1.46 1.52	5.1 4.98	< 0.000010 < 0.000010	3.43 3.14	0.228 0.223	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.000792 0.000763	0.0022 0.0021
EV_AQ6 EV AQ6	EV_AQ6_WS_2022-Q4_N EV_MC6_WS_2022-Q4_N	2022-10-07 - < 0.010	< 0.000050	0.0163	35.8	0.00365	0.00058	1.52	4.98 5.15	< 0.000010	3.14	0.225	< 0.000010		< 0.00030	0.000763	0.0021
EV_AQ6	EV MC8 WS 2022-Q4 N	2022-10-07 - < 0.011	< 0.000050	< 0.0010	< 0.0050	< 0.00369	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010		< 0.00030	< 0.00078	
EV AQ6	EV AQ6 WS 2022-Q4 N	2022-10-07 - 0.010	< 0.000050	0.0010	45.8	0.00877	0.00076	1.82	6.02	< 0.000010	3.77	0.269	< 0.000010	< 0.00010	< 0.00030	0.00101	0.0024
EV AQ6	EV MC6 WS 2022-11 MON N	2022-11-09 - 0.019	< 0.000050	0.0196	45.5	0.00894	0.00074	1.82	5.88	< 0.000010	3.78	0.27	< 0.000010	< 0.00010	< 0.00030	0.000738	0.0024
EV AQ6	EV MC8 WS 2022-11 MON N	2022-11-09 - < 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	0.141	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.000100	< 0.0010
EV_BC1	EV_BC1_WS_2022-01-03_N-SRF	2022-01-03 - < 0.020	< 0.000100	0.166	187	0.0316	0.0226	6.27	300	< 0.000020	7.57	1.62	0.000025	< 0.00020	< 0.00060	0.00797	0.0118
EV_BC1	EV_BC1_WS_2022_Q1_N	2022-01-18 - < 0.020	< 0.000100	0.17	209	0.0232	0.025	6.61	359	< 0.000020	7.38	1.54	0.00003	< 0.00020	< 0.00060	0.00837	0.0106
EV_BC1	EV_BC1_WS_2022-01-18_N-SRF	2022-01-18 - < 0.020	< 0.000100	0.16	213	0.0265	0.0264	6.93	326	< 0.000020	7.81	1.51	0.00003	< 0.00020	< 0.00060	0.00848	0.0171
EV_BC1	EV_BC1_WS_2022-02-01_N-SRF	2022-02-01 - < 0.020	< 0.000100	0.166	213	0.025	0.0245	6.2	359	< 0.000020	6.9	1.6	0.000024	< 0.00020	< 0.00060	0.00828	0.0124
EV_BC1	EV_BC1_WS_2022-02_MON_N	2022-02-08 - < 0.020	< 0.000100	0.119	177	0.011	0.0255	5.57	173	< 0.000020	6.67	0.942	0.000027	< 0.00020	< 0.00060	0.0101	0.005
EV_BC1	EV_BC1_WS_2022-02-15_N-SRF	2022-02-15 - < 0.020	< 0.000100	0.102	186	0.00568	0.0291	5.6	130	< 0.000020	6.79	0.792	0.000029	< 0.00020	< 0.00060	0.0114	0.129
EV_BC1	EV_BC1_WS_2022-03-01_N-SRF	2022-03-01 - < 0.020	< 0.000100	0.107	187	0.0101	0.026	5.72	153	< 0.000020	7.21	0.934	0.000027	< 0.00020	< 0.00060	0.0108	0.0044
EV_BC1	EV_BC1_WS_2022-03-15_N-SRF	2022-03-15 - < 0.020	< 0.000100	0.0998	165	0.00989	0.0234	5.2	174	< 0.000020	6.82	0.902	0.000028	< 0.00020	< 0.00060	0.0106	0.0033

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolve	ed Metals					
				_										_		
			ess	Ē		ony	ပ	_	ryllium	₽		<u> </u>	Ε	ļ į		<u>_</u>
			rg	Ē		Ĕ	seni	Ę	- ₹	Ë	ron	u	Calcium	ron	balt	∌ddo
Sample	Sample	Sample Date	На	Ā		An	Ars	Ва	Be	Bis	Во	Ca	ပ	ပ်	ပိ	U
Location	ID	(mm/dd/yyyy)	mg/L	mg		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				.	onic							onic fe				Acute Chronic
				Acute	ř) Jud				\$ \$
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Elkview Operation				1					ı					I		
EV_BC1	EV_BC1_WS_2022-03_MON_N	2022-03-16	-	0.00		0.00091	0.00023	0.0924	< 0.020	< 0.000050	0.041	0.0000366	252			0.00027
EV_BC1	EV_BC1_WS_2022-03-22_N-SRF	2022-03-22	-	0.00		0.00086	0.00017	0.0942	< 0.020	< 0.000050	0.042	0.000015	242	< 0.00010	0.00018	0.00021
EV_BC1	EV_BC1_WS_2022-03_WEK13_N EV_BC1_WS_2022-03_WEK14_N	2022-03-22	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_BC1 EV BC1	EV_BC1_WS_2022-03_WEK14_N EV_BC1_WS_2022-03-29_N-SRF	2022-03-29 2022-03-29	-	0.00		0.00092	0.0002	0.0936	< 0.020	< 0.000050	0.039	- 0.0000141	217	< 0.00010	0.00013	< 0.00020
EV_BC1	EV BC1 WS 2022-03-29 N-SRF	2022-03-29	- -	0.00		0.00092	0.0002	0.0858	< 0.020	< 0.000100	0.039	0.0000141	219	< 0.00010	< 0.00013	< 0.00020
EV BC1	EV BC1 WS 2022-04 WEK15 N	2022-04-05	-	- 0.00		-	-	-	- 0.040	- 0.000100	-	-	-	- 0.00020	- 0.00020	- 0.00040
EV BC1	EV BC1 WS 2022-Q2 N	2022-04-12	-	0.00	32	0.00092	0.00021	0.0625	< 0.020	< 0.000050	0.037	< 0.0150	216	< 0.00010	0.00012	0.00024
EV_BC1	EV_BC1_WS_2022-04-12_N-SRF	2022-04-12	-	< 0.0)10	0.00093	0.00017	0.0654	< 0.020	< 0.000050	0.041	< 0.0100	226	< 0.00010	0.00013	0.0002
EV_BC1	EV_BC1_WS_2022-04-19_N-SRF	2022-04-19	-	0.00	29	0.0008	< 0.00020	0.0678	< 0.040	< 0.000100	0.038	< 0.0100	211	< 0.00020	< 0.20	< 0.00040
EV_BC1	EV_BC1_WS_2022-04_WEK17_N	2022-04-19	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-04-26_N-SRF	2022-04-26	-	0.00	17	0.00084	0.0002	0.0577	< 0.020	< 0.000050	0.037	< 0.0050	211	0.00012	< 0.10	0.00023
EV_BC1	EV_BC1_WS_2022-04_WEK18_N	2022-04-26	-	-		-	-		-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-05-03_N-SRF	2022-05-03	-	0.00		0.00081	0.00022	0.0541	< 0.020	< 0.000050	0.037	< 0.0100	210	< 0.00010	< 0.10	0.00024
EV_BC1 EV BC1	EV_BC1_WS_2022-05_MON_N EV_BC1_WS_2022-05-10_N-SRF	2022-05-03 2022-05-10	-	0.00 < 0.0		0.00078 0.00077	0.00023 0.00022	0.0541 0.0591	< 0.020 < 0.020	< 0.000050 < 0.000050	0.037 0.036	< 0.0100 < 0.0100	210	< 0.00010 < 0.00010	< 0.10 < 0.10	< 0.00020 0.00024
EV_BC1	EV BC1 WS 2022-05 WEK20 N	2022-05-10	-	- 0.00		-	-	-	- 0.020	-	-	-	200	- 0.00010	- 0.10	-
EV BC1	EV BC1 WS 2022-05 WEK21 N	2022-05-17	H -			-	-			-		_	+			
EV BC1	EV BC1 WS 2022-05-17 N-SRF	2022-05-17	_	0.00	28	0.0008	0.00024	0.0595	< 0.040	< 0.000100	0.046	0.0000158	215	< 0.00020	< 0.20	< 0.00040
EV BC1	EV BC1 WS 2022-05-24 N-SRF	2022-05-24	-	< 0.00	010	0.00087	0.00024	0.0529	< 0.020	< 0.000050	0.043	< 0.0100	215	< 0.00010	< 0.10	< 0.00020
EV_BC1	EV_BC1_WS_2022-05_WEK22_N	2022-05-24	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-05_WEK23_N	2022-05-31	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-05-31_N-SRF	2022-05-31	-	0.00		0.00087	0.00023	0.067	< 0.020	< 0.000050	0.043	< 0.0100	213	< 0.00010	< 0.10	0.00027
EV_BC1	EV_BC1_WS_2022-06_MON_N	2022-06-06	-	< 0.00		0.0008	0.00031	0.217	< 0.020	< 0.000050	0.04	0.0000732	232	< 0.00010	0.00017	< 0.00020
EV_BC1	EV_BC1_WS_2022-06-07_N-SRF	2022-06-07	-	0.00	15	0.0008	0.00027	0.186	< 0.020	< 0.000050	0.044	0.0000675	231	< 0.00010	0.00016	0.00021
EV_BC1 EV BC1	EV_BC1_WS_2022-06_WEK25_N EV_BC1_WS_2022-06-14_N-SRF	2022-06-13 2022-06-14	-	0.00	11	0.00074	0.00028	0.262	< 0.020	< 0.000050	0.041	0.000298	213	< 0.00010	0.00031	0.00025
EV_BC1	EV BC1 WS 2022-06-14 N-SRF	2022-06-14	-	0.00		0.00074	0.00028	0.262	< 0.020	< 0.000100	0.041	0.0000298	227	< 0.00010	< 0.20	< 0.00040
EV_BC1	EV BC1 WS 2022-06-21_N-6K1	2022-06-21	H	- 0.00		-	-	-	- 0.040	- 0.000100	-	-	-	- 0.00020	- 0.20	- 0.00040
EV BC1	EV BC1 WS 2022-06-28 N-SRF	2022-06-28	-	0.00		0.00088	0.00025	0.234	< 0.040	< 0.000100	0.043	< 0.0200	233	< 0.00020	< 0.20	< 0.00040
EV BC1	EV BC1 WS 2022-06 WEK27 N	2022-06-28	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022_Q3_N	2022-07-05	-	0.00	12	0.00081	0.00026	0.134	< 0.020	< 0.000050	0.049	0.0000216	219	< 0.00010	0.00012	< 0.00020
EV_BC1	EV_BC1_WS_2022-07-05_N-SRF	2022-07-05	-	0.00	-	0.00086	0.00026	0.158	< 0.020	< 0.000050	0.044	0.0000243	209	< 0.00010	0.00014	0.00073
EV_BC1	EV_BC1_WS_2022-07-12_N-SRF	2022-07-12	-	0.00	18	0.0008	0.00025	0.117	< 0.020	< 0.000050	0.053	0.0000134	224	< 0.00010	0.00013	< 0.00020
EV_BC1	EV_BC1_WS_2022-07_WEK29_N	2022-07-12	-	-	10	-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-07-19_N-SRF	2022-07-19	-	< 0.00		0.00086	0.00024	0.0782	< 0.020	< 0.000050	0.051	0.0000087	207	< 0.00010	0.00011	< 0.00020
EV_BC1 EV BC1	EV_BC1_WS_2022-08-02_N-SRF EV_BC1_WS_2022-08_MON_N	2022-08-02 2022-08-10	-	0.00 < 0.0		0.00092 0.00084	0.00022 0.00024	0.0698 0.0739	< 0.040 < 0.020	< 0.000100 < 0.000050	0.056 0.048	< 0.0100 0.0000078	196 211	< 0.00020 < 0.00010	< 0.20 < 0.10	< 0.00040 0.00021
EV_BC1	EV BC1_WS_2022-08_MON_N EV BC1_WS_2022-08-16_N-SRF	2022-08-10	+-	< 0.00		0.00084	0.00024	0.0739	< 0.020	< 0.000050	0.048	0.0000078	211	< 0.00010	< 0.10	< 0.00021
EV_BC1	EV BC1 WS 2022-08-10 N-SRF	2022-08-10		0.00		0.00082	0.00019	0.0744	< 0.020	< 0.000100	0.049	< 0.0100	196	< 0.00010	< 0.10	< 0.00020
EV_BC1	EV BC1 WS 2022-09 MON N	2022-09-06	-	0.00		0.00073	0.00024	0.003	< 0.020	< 0.000100	0.049	0.0000082	216	< 0.00020	< 0.10	0.00028
EV_BC1	EV_BC1_WS_SEPT-2022_N	2022-09-09	-	0.00		0.0007	0.00022	0.0657	< 0.020	< 0.000050	0.047	0.0000066	216	< 0.00010	< 0.10	< 0.00020
EV_BC1	EV_BC1_WS_2022-09-13_N-SRF	2022-09-13		< 0.00		0.00068	0.0002	0.0557	< 0.040	< 0.000100	0.048	< 0.0100	186	< 0.00020	< 0.20	< 0.00040
EV_BC1	EV_BC1_WS_2022-09-27_N-SRF	2022-09-27	-	0.00		0.00076	0.00018	0.0649	< 0.020	< 0.000050	0.052	< 0.0050	226	< 0.00010	< 0.10	0.0003
EV_BC1	EV_BC1_WS_2022-10-04_N-SRF	2022-10-04	-	0.00		0.00076	0.00026	0.247	< 0.020	< 0.000050	0.049	0.0000242	241	< 0.00010	< 0.10	< 0.00020
EV_BC1	EV_BC1_WS_2022-Q4_N	2022-10-06	-	< 0.0		0.00076	0.00022	0.232	< 0.020	< 0.000050	0.055	0.0000184	247	< 0.00010	< 0.10	< 0.00020
EV_BC1	EV_BC1_WS_2022-10-06_N-SRF	2022-10-06	-	- 0.00			- 0.00000	- 0.0696	- 0.040	- 0.000100	- 0.044	- 0.0100	- 216	- 0.00000	- 0.00	- 0.00040
EV_BC1 EV BC1	EV_BC1_WS_2022-10-18_N-SRF EV_BC1_WS_2022-11-01_N-SRF	2022-10-18 2022-11-01	-	0.00		0.00063 0.0007	< 0.00020 < 0.00020	0.0686 0.0434	< 0.040 < 0.040	< 0.000100 < 0.000100	0.044 0.053	< 0.0100 < 0.0100	216 219	< 0.00020 < 0.00020	< 0.20 < 0.20	< 0.00040 < 0.00040
EV_BC1	EV_BC1_WS_2022-11-01_N-SRF EV_BC1_WS_2022-11_MON_N	2022-11-01		0.00		0.0007	0.00020	0.0434	< 0.040	< 0.000100	0.053	0.000026	259			0.00033
	LV_DO1_VVO_ZUZZ-11_IVIOIN_IV	2022-11-14	لــــا	0.00	10	0.00000	0.00020	0.0010	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	` 0.000000	0.040	0.000020	203	× 0.00010	0.00017	0.00000

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ved Metals							
Sample	Sample	Sample Date	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation EV BC1	EV BC1 WS 2022-03 MON N	2022-03-16 -	< 0.010	< 0.000050	0.11	168	0.01	0.0216	5.47	186	< 0.000010	6.88	0.947	0.00003	< 0.00010	< 0.00030	0.0112	0.0024
EV_BC1	EV BC1 WS 2022-03-MON N		< 0.010	< 0.000050	0.117	175	0.00765	0.0216	5.36	160	< 0.000010	6.87	0.947	0.00003	< 0.00010	< 0.00030	0.0112	0.0024
EV_BC1	EV BC1 WS 2022-03-22 N-3K1	2022-03-22 -	- 0.010	- 0.000030	-	-	-	0.0213	-	-	- 0.000010	-	-	0.000024	- 0.00010	- 0.00030	-	-
EV BC1	EV BC1 WS 2022-03 WEK14 N	2022-03-29 -		-	_	_	_	-	-	-	-		_	_	_	_		_
EV BC1	EV BC1 WS 2022-03-29 N-SRF		< 0.010	< 0.000050	0.103	169	0.00416	0.0221	5.25	156	< 0.000010	6.75	0.802	0.000028	< 0.00010	< 0.00030	0.01	0.0215
EV BC1	EV BC1 WS 2022-04-05 N-SRF		< 0.020	< 0.000100	0.104	192	0.00471	0.0228	5.36	181	< 0.000020	7.33	0.882	0.000024	< 0.00020	< 0.00060	0.01	0.0025
EV_BC1	EV_BC1_WS_2022-04_WEK15_N	2022-04-05 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-Q2_N	2022-04-12 -	< 0.010	< 0.000050	0.107	173	0.00323	0.0221	5.68	165	< 0.000010	7.41	0.862	0.000027	< 0.00010	< 0.00030	0.0102	0.001
EV_BC1	EV_BC1_WS_2022-04-12_N-SRF	2022-04-12 -	< 0.010	< 0.000050	0.107	168	0.00309	0.0211	5.2	145	< 0.000010	6.63	0.858	0.000026	< 0.00010	< 0.00030	0.00997	< 0.0010
EV_BC1	EV_BC1_WS_2022-04-19_N-SRF		< 0.020	< 0.000100	0.0957	162	0.00211	0.0232	5.13	101	< 0.000020	7.22	0.71	0.000023	< 0.00020	< 0.00060	0.011	0.0022
EV_BC1	EV_BC1_WS_2022-04_WEK17_N	2022-04-19 -	-	-			-		-		-		-	-	-	-		-
EV_BC1	EV_BC1_WS_2022-04-26_N-SRF		< 0.010	< 0.000050	0.0886	177	0.00126	0.0217	5.51	121	< 0.000010	7.13	0.723	0.000026	< 0.00010	< 0.00030	0.0107	0.002
EV_BC1	EV_BC1_WS_2022-04_WEK18_N	2022-04-26 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-05-03_N-SRF		< 0.010	0.000055	0.0915	165	0.0011	0.0205	5.01	112	< 0.000010	6.69	0.679	0.000027	< 0.00010	< 0.00030	0.0102	0.0021
EV_BC1	EV_BC1_WS_2022-05_MON_N		< 0.010 < 0.010	< 0.000050	0.0886	163 166	0.00106	0.0205	5.2 5.48	107 93.2	< 0.000010	6.51 6.99	0.678 0.664	0.000027	< 0.00010	< 0.00030	0.0102	< 0.0010
EV_BC1 EV_BC1	EV_BC1_WS_2022-05-10_N-SRF			< 0.000050	0.0923		0.00108	0.0212			< 0.000010			0.00003	< 0.00010	< 0.00030	0.0102	0.002
	EV_BC1_WS_2022-05_WEK20_N	2022-05-11 -		-	-	-	-	-	-	-	-	-	-	-	-	-	<u>-</u>	-
EV_BC1 EV BC1	EV_BC1_WS_2022-05_WEK21_N EV_BC1_WS_2022-05-17_N-SRF	2022-05-17 - 2022-05-17 -	< 0.020	< 0.000100	0.111	168	0.00131	0.0222	5.74	110	< 0.000020	7.84	0.802	0.000032	< 0.00020	< 0.00060	0.0103	< 0.0020
EV_BC1	EV_BC1_W3_2022-05-17_N-SRF EV_BC1_WS_2022-05-24_N-SRF		< 0.020	< 0.000100	0.111	167	0.00131	0.0222	5.55	185	< 0.000020	7.62	0.802	0.000032	< 0.00020	< 0.00030	0.0103	0.0019
EV BC1	EV BC1 WS 2022-05-24 N-5K1	2022-05-24 -	- 0.010	-	-	-	- 0.00144	-	-	-	- 0.000010	7.02	-	-	- 0.00010	-	-	-
EV BC1	EV BC1 WS 2022-05 WEK23 N	2022-05-31 -	_	_	_	_	_	-	-	-	_		_	_	_	_	_	_
EV BC1	EV BC1 WS 2022-05-31 N-SRF		< 0.010	< 0.000050	0.118	167	0.00116	0.025	5.74	175	0.000021	8.76	0.851	0.000035	< 0.00010	< 0.00030	0.0112	0.0032
EV BC1	EV BC1 WS 2022-06 MON N		< 0.010	< 0.000050	0.0956	175	0.00495	0.0331	5.44	76.7	< 0.000010	9.86	0.712	0.000042	< 0.00010	< 0.00030	0.012	0.0036
EV BC1	EV BC1 WS 2022-06-07 N-SRF		< 0.010	< 0.000050	0.115	167	0.00527	0.0327	5.42	66.6	< 0.000010	9.95	0.691	0.000045	< 0.00010	< 0.00030	0.0124	0.0038
EV_BC1	EV_BC1_WS_2022-06_WEK25_N	2022-06-13 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-06-14_N-SRF	2022-06-14 -	< 0.010	< 0.000050	0.114	155	0.00608	0.0287	5.31	58.6	< 0.000010	9.06	0.674	0.000044	< 0.00010	< 0.00030	0.0109	0.0018
EV_BC1	EV_BC1_WS_2022-06-21_N-SRF	2022-06-21 -	< 0.020	< 0.000100	0.128	154	0.00293	0.029	5.56	92.5	< 0.000020	9.32	0.747	0.000042	< 0.00020	< 0.00060	0.0111	0.0039
EV_BC1	EV_BC1_WS_2022-06_WEK26_N	2022-06-21 -	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-06-28_N-SRF	2022-06-28 -	< 0.020	< 0.000100	0.126	167	0.00209	0.03	5.27	68.9	< 0.000020	9.59	0.718	0.000046	< 0.00020	< 0.00060	0.0117	0.0065
EV_BC1	EV_BC1_WS_2022-06_WEK27_N	2022-06-28 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022_Q3_N		< 0.010	< 0.000050	0.126	154	0.00309	0.028	5.36	88.2	< 0.000010	9.48	0.766	0.000049	< 0.00010	< 0.00030	0.0112	0.0013
EV_BC1	EV_BC1_WS_2022-07-05_N-SRF		< 0.010	< 0.000050	0.122	156	0.00397	0.0281	5.46	88.9	< 0.000010	9.67	0.81	0.000046	< 0.00010	< 0.00030	0.0109	0.0046
EV_BC1	EV_BC1_WS_2022-07-12_N-SRF		< 0.010	< 0.000050	0.138	152	0.00413	0.0279	5.55	71.6	< 0.000010	9.74	0.979	0.000048	< 0.00010	< 0.00030	0.0106	0.0071
EV_BC1	EV_BC1_WS_2022-07_WEK29_N	2022-07-12 -	- 0.040	- 0.000050	- 0.100	- 454	- 0.00000	- 0.027	- E CO	70.5	- 0.000040	- 10.4	0.045	0.000005	- 0.00040	- 0.00000	- 0.04	- 0.0040
EV_BC1 EV BC1	EV_BC1_WS_2022-07-19_N-SRF EV_BC1_WS_2022-08-02_N-SRF		< 0.010 < 0.020	< 0.000050 < 0.000100	0.133 0.142	154 156	0.00262 0.00162	0.0277 0.0243	5.52 5.3	79.5 89.3	< 0.000010 < 0.000020	10.1 9.57	0.845 0.845	0.000035 0.000053	< 0.00010 < 0.00020	< 0.00030 < 0.00060	0.01 0.00958	0.0012 0.0023
EV_BC1	EV_BC1_WS_2022-08-02_N-SRF EV_BC1_WS_2022-08_MON_N		< 0.020 < 0.010	< 0.000100	0.142	183	0.00162	0.0243	5.64	162	< 0.000020	9.57	0.845	0.000053	< 0.00020	< 0.00060	0.00958	0.0023
EV_BC1	EV BC1 WS 2022-08-116 N-SRF		< 0.010	< 0.000050	0.143	173	0.00094	0.0253	5.36	114	< 0.000010	9.44	0.939	0.000031	< 0.00010	< 0.00030	0.00973	0.0012
EV_BC1	EV BC1 WS 2022-06-10 N-SRF		< 0.010	< 0.000030	0.143	161	0.00088	0.024	4.96	82.2	< 0.000010	9.35	0.830	0.000044	< 0.00010	< 0.00030	0.00973	0.0024
EV_BC1	EV BC1 WS 2022-09 MON N		< 0.020	< 0.000100	0.134	176	0.00073	0.0232	5.61	82.8	< 0.000010	10.3	0.849	0.000043	< 0.00020	< 0.00030	0.00996	< 0.0021
EV BC1	EV BC1 WS SEPT-2022 N		< 0.010	< 0.000050	0.135	176	0.0003	0.0228	5.78	90	< 0.000010	10.6	0.811	0.000041	< 0.00010	< 0.00030	0.0103	< 0.0010
EV BC1	EV BC1 WS 2022-09-13 N-SRF		< 0.020	< 0.000100	0.14	153	0.00041	0.02	4.94	73.7	< 0.000010	9.67	0.712	0.000039	< 0.00010	< 0.00060	0.00832	< 0.0020
EV_BC1	EV_BC1_WS_2022-09-27_N-SRF		< 0.010	< 0.000050	0.142	178	0.00031	0.0218	6.64	84.5	< 0.000010	12.8	1.21	0.000046	< 0.00010	< 0.00030	0.0102	0.0018
EV_BC1	EV_BC1_WS_2022-10-04_N-SRF		< 0.010	< 0.000050	0.15	172	0.00142	0.0252	6.31	130	< 0.000010	11.3	1.08	0.000048	< 0.00010	< 0.00030	0.0104	0.0024
EV_BC1	EV_BC1_WS_2022-Q4_N		< 0.010	< 0.000050	0.151	168	0.00067	0.0256	6.09	124	< 0.000010	10.9	0.998	0.000046	< 0.00010	< 0.00030	0.0102	0.0015
EV_BC1	EV_BC1_WS_2022-10-06_N-SRF	2022-10-06 -	-	-	-	-	-	=	1	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-10-18_N-SRF	2022-10-18 -	< 0.020	< 0.000100	0.132	170	0.00026	0.0221	5.38	102	< 0.000020	10.1	0.869	0.000035	< 0.00020	< 0.00060	0.0096	< 0.0020
EV_BC1	EV_BC1_WS_2022-11-01_N-SRF		< 0.020	< 0.000100	0.17	170	0.0003	0.0214	5.33	138	< 0.000020	9.27	0.87	0.000034	< 0.00020	< 0.00060	0.0103	0.0041
EV_BC1	EV_BC1_WS_2022-11_MON_N	2022-11-14 -	< 0.010	< 0.000050	0.127	192	0.0034	0.0243	6.24	250	< 0.000010	10.9	1.01	0.00004	< 0.00010	< 0.00030	0.0109	0.0025
																		

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals					
			ဟ	8		>			E			F		E		
			Sec			o O	.≌	ε	<u>.</u> <u>.</u>	듐	_	j <u>a</u>	툍	mium	<u> </u>	ē
			둳	3		ati E	eu	aric	₹	Ę	ē	Ę	Salcium	5	pal	ď
Sample	Sample	Sample Date	Ha	-	ŧ	Ā	Ars	Ba	Be	Bis	Bo	S a	Ca	ပ ်	ပိ	ပိ
Location	ID	(mm/dd/yyyy)		mg	q/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		10 11111			nic		J					<u></u>				ن آ
				te .	uo.							e e e e e e e e e e e e e e e e e e e				e le
				Jo ∤ Ci	된											Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLMe
Elkview Operation				0.020-0.10	0.000-0.00							0.00004-0.0020 0.00002-0.00170				
EV BC1	EV BC1 WS 2022-11-15 N SRF	2022-11-15	-	0.0	012	0.00076	0.00026	0.0938	< 0.020	< 0.000050	0.046	0.0000317	271	< 0.00010	0.00016	0.00307
EV EC1	EV EC1 WS 2022-01-05 N-SRF	2022-01-05	-	< 0.0	0010	0.00044	0.00036	0.028	< 0.020	-	-	0.000023	286	0.00058	-	< 0.00020
EV_EC1	EV_EC1_WS_2022-Q1_N	2022-01-17	-	< 0.0	0010	0.00041	0.00029	0.023	< 0.020	< 0.000050	0.028	0.000022	238	< 0.00010	0.00377	< 0.00020
EV_EC1	EV_EC1_WS_2022-01-17_N-SRF	2022-01-17	-	0.0	013	0.00043	0.00028	0.0234	< 0.020	-	-	< 0.0200	233	< 0.00010	-	< 0.00020
EV_EC1	EV_EC1_WS_2022-01-31_N-SRF	2022-01-28	-	0.0	012	0.00037	0.0003	0.0222	< 0.020	< 0.000050	0.027	0.0000185	228	< 0.00010	0.00387	< 0.00020
EV_EC1	EV_EC1_WS_2022-02-14_N-SRF	2022-02-14	-	0.0		0.00035	0.00028	0.0224	< 0.020	< 0.000050	0.025	0.0000153	232	0.00011	0.00316	< 0.00020
EV_EC1	EV_EC1_WS_2022-02_MON_N	2022-02-16	-	0.0		0.00036	0.00027	0.025	< 0.020	< 0.000050	0.026	0.0000192	241	0.00012	0.00256	0.00131
EV_EC1	EV_EC1_WS_2022-02-28_N-SRF	2022-02-28	-		0020	0.0004	0.00027	0.0224	< 0.040	< 0.000100	0.029	0.0000169	260	< 0.00020	0.00352	< 0.00040
EV_EC1	EV_EC1_WS_2022-03-14_N-SRF	2022-03-14	-		0.0013 0.000 0.002 0.000		0.00028	0.019	< 0.020	< 0.000050	0.024	0.0000162	217	< 0.00010	0.00303	< 0.00020
EV_EC1	EV_EC1_WS_2022-03_MON_N	2022-03-17	-		0.002 0.000		0.00029	0.0197	< 0.020	< 0.000050	0.027	0.0000152	238	< 0.00010	0.00301	< 0.00020
EV_EC1	EV_EC1_WS_2022-03-21_N_SRF	2022-03-21	-			0.00037	0.00033	0.021	< 0.020	< 0.000050	0.029	0.000019	240	< 0.00010	0.00288	0.00042
EV_EC1	EV_EC1_WS_2022-03_WEK13_N	2022-03-22	-	- 0.0	- 0010	- 0.00005	- 0.00000	- 0.004	-	- 0.000050	- 0.045	0.0000092	-	- 0.00040	- 0.00044	< 0.00020
EV_EC1	EV_EC1_WS_2022-03-28_N-SRF	2022-03-28 2022-03-28	-	< 0.0		0.00025	0.00028	0.031	< 0.020	< 0.000050	0.015	0.000092	242	0.00018	0.00044	
EV_EC1 EV EC1	EV_EC1_WS_2022-03-28_N-SRF_1 EV_EC1_WS_2022-03_WEK14_N	2022-03-26	-			-	-	-	-	-	-	- -	261	-	-	-
EV_ECT	EV EC1 WS 2022-04-04 N-SRF	2022-03-30	-	0.0		0.0003	0.00032	0.0306	< 0.020	< 0.000050	0.023	0.0000186	237	< 0.00010	0.0011	0.00028
EV_EC1	EV_EC1_WS_2022-04_WEK15_N	2022-04-04			-	-	-	-	- 0.020	-	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-04-10 N-SRF	2022-04-00								_		_	244			_
EV EC1	EV EC1 WS 2022-04-11 N-SRF	2022-04-11	-	< 0.0	0010	0.00023	0.00027	0.0389	< 0.020	< 0.000050	0.015	0.0000106	273	0.00014	0.00026	0.00078
EV EC1	EV EC1 WS 2022-04-11 N-SRF 1	2022-04-11	-			-	-	-	-	-	-	-	249	-	-	-
EV EC1	EV EC1 WS 2022-04-12 N-SRF	2022-04-12	-		-	_	_	-	-	-	-	-	225	-	-	-
EV_EC1	EV_EC1_WS_2022-04-13_N-SRF	2022-04-13	-			-	-	-	-	-	-	-	248	-	-	-
EV_EC1	EV_EC1_WS_2022-Q2_N	2022-04-13	-	0.0	056	0.00021	0.00024	0.0415	< 0.020	< 0.000050	0.014	0.0000103	235	0.00017	0.00015	< 0.00020
EV_EC1	EV_MC6_WS_2022-Q2_N	2022-04-13	5.7	0.0	022	0.00026	0.00027	0.0395	< 0.040	< 0.000050	0.014	0.000063	208	0.00017	0.00014	< 0.00020
EV_EC1	EV_MC8_WS_2022-Q2_N	2022-04-13	-	< 0.0	0010	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-04-14_N-SRF	2022-04-14	-		-	-	-	-	-	-	-	-	219	-	-	-
EV_EC1	EV_EC1_WS_2022-04-15_N-SRF	2022-04-15	-		-	-	-	-	-	-	-	-	228	-	-	-
EV_EC1	EV_EC1_WS_2022-04-16_N-SRF	2022-04-16	-			-	-	-	-	-	-	-	250	-	-	-
EV_EC1	EV_EC1_WS_2022-04-17_N-SRF	2022-04-17	-		-	- 0.00000	- 0.00000	- 0.0405	-		- 0.044	0.000066	236	- 0.00040		- 0.00000
EV_EC1	EV_EC1_WS_2022-04-18_N-SRF	2022-04-18	-		0010	0.00022	0.00026	0.0405	< 0.020	< 0.000050	0.014		215	0.00018	< 0.10	< 0.00020
EV_EC1 EV EC1	EV_EC1_WS_2022-04-18_N-SRF_1 EV_EC1_WS_2022-04-19_N-SRF	2022-04-18 2022-04-19	+		- -	-	-	-	-	-	-	-	240	-	-	-
EV_ECT	EV EC1 WS 2022-04-19 N-SRF EV EC1 WS 2022-04-20 N-SRF	2022-04-19	-		-	_	-	-	-	-	-	- -	240	-	-	-
EV_EC1	EV EC1 WS 2022-04-20 N-3RF	2022-04-20	-		<u>-</u>	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV EC1	EV EC1 WS 2022-04-21 N-SRF	2022-04-21	-			_	_	-	_	-	_	-	243	_	-	-
EV EC1	EV EC1 WS 2022-04-22 N-SRF	2022-04-22	-		-	-	-	-	-	-	-	-	241	-	-	-
EV_EC1	EV_EC1_WS_2022-04-23_N-SRF	2022-04-23	-	,	-	-	-	-	-	-	-	-	240	-	-	-
EV_EC1	EV_EC1_WS_2022-04-24_N-SRF	2022-04-24	-		3	-	-	-	-	-	-	-	234	-	-	-
EV_EC1	EV_EC1_WS_2022-04-25_N-SRF	2022-04-25		< 0.0	0010	0.00022	0.00023	0.0428	< 0.020	< 0.000050	0.014	0.000068	226	0.00017	< 0.10	0.0002
EV_EC1	EV_EC1_WS_2022-04-25_N-SRF_1	2022-04-25			-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-26_N-SRF	2022-04-26			-	-	-	-	-	-	-	-	223	-	-	-
EV_EC1	EV_EC1_WS_2022-04-27_N-SRF	2022-04-27			-	-	-	-	-	-	-	-	223	-	-	-
EV_EC1	EV_EC1_WS_2022-04_WEK18_N	2022-04-27			-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-28_N-SRF	2022-04-28			-	-	-	-	-	-	-	-	228	-	-	-
EV_EC1	EV_EC1_WS_2022-04-29_N-SRF	2022-04-29			-	-	-	-	-	-	-	-	222	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-04-30_N-SRF EV_EC1_WS_2022-05-01_N-SRF	2022-04-30 2022-05-01	-		- -	-	-	-	-	-	-	- -	231 240	-	-	-
EV_ECT EV ECT	EV_EC1_WS_2022-05-01_N-SRF EV_EC1_WS_2022-05-02_N-SRF	2022-05-01		0.0		0.0002	0.00024	0.0422	< 0.020	< 0.000050	0.014	0.000068	221	0.00024	< 0.10	< 0.00020
EV_ECT	EV_ECT_WS_2022-05-02_N-SRF EV_ECT_WS_2022-05-02_N-SRF_1	2022-05-02			-	0.0002	-	0.0422	- 0.020	- 0.000050	- 0.014	-	-	0.00024	- 0.10	- 0.00020
EV EC1	EV_ECT_WS_2022-05-02_N-SRF_T EV_ECT_WS_2022-05-03_N-SRF	2022-05-02			<u>-</u>		-	-	-	-	-	-	218		-	-
		2022-00-00											210		I	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissolv	ved Metals							
Sample	Sample	Sample Date H	Fead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Ti.	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		Acute															
BC WQG FWAL		n/a 0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation	EV 804 W0 0000 44 45 N 085	1 0000 11 15 1 1 0 010	1	0.45	100	0.00000	0.0040	0.40	000	1 0 000010		1 101	0.000044	0.00010		0.010	0.0007
EV_BC1	EV_BC1_WS_2022-11-15_N_SRF	2022-11-15 - < 0.010	< 0.000050	0.15	189	0.00293	0.0242	6.19	226	< 0.000010	11	1.01	0.000044	< 0.00010	< 0.00030	0.012	0.0037
EV_EC1 EV EC1	EV_EC1_WS_2022-01-05_N-SRF EV_EC1_WS_2022-Q1_N	2022-01-05 - < 0.010 2022-01-17 - < 0.010	< 0.000050	0.0585 0.0516	165 151	0.108 0.0762	0.0336 0.0299	4.82 4.2	72 54.6	< 0.000010 < 0.000010	6.56 5.42	0.365 0.319	0.000049 0.000046	< 0.00010	< 0.00030 < 0.00030	0.0106 0.0118	0.0031 < 0.0010
EV_EC1	EV_ECT_WS_2022-QT_N EV_ECT_WS_2022-01-17 N-SRF	2022-01-17 - < 0.010	- 0.000030	0.0516	151	0.0762	0.0298	4.2	51.6	< 0.000010	5.63	0.319	0.000046	- 0.00010	< 0.00030	0.0118	0.0016
EV EC1	EV EC1 WS 2022-01-17 N-SRF	2022-01-17 - < 0.010	< 0.000050	0.0333	154	0.0769	0.0305	4.04	46.5	< 0.000010	5.52	0.321	0.000039	< 0.00010	< 0.00030	0.0110	< 0.0010
EV EC1	EV EC1 WS 2022-01-31 N-SRF	2022-01-20 - < 0.010	< 0.000050	0.049	151	0.0569	0.0303	3.91	60.7	< 0.000010	5.14	0.302	0.000033	< 0.00010	< 0.00030	0.0112	0.0016
EV EC1	EV EC1 WS 2022-02 MON N	2022-02-16 - 0.012	0.000068	0.0506	154	0.0462	0.028	4.24	83.1	< 0.000010	5.07	0.305	0.000044	< 0.00010	< 0.00030	0.0103	0.0042
EV EC1	EV EC1 WS 2022-02-28 N-SRF	2022-02-28 - < 0.020	< 0.000100	0.0532	165	0.0627	0.0323	4.02	42.4	< 0.000020	5.98	0.348	0.000051	< 0.00020	< 0.00060	0.0107	< 0.0020
EV_EC1	EV_EC1_WS_2022-03-14_N-SRF	2022-03-14 - < 0.010	< 0.000050	0.0466	144	0.0506	0.0309	3.96	72.3	< 0.000010	5.94	0.308	0.000052	< 0.00010	< 0.00030	0.0111	0.0024
EV_EC1	EV_EC1_WS_2022-03_MON_N	2022-03-17 - < 0.010	< 0.000050	0.0563	161	0.052	0.0297	4.49	45.3	< 0.000010	6.63	0.329	0.000048	< 0.00010	< 0.00030	0.0108	< 0.0010
EV_EC1	EV_EC1_WS_2022-03-21_N_SRF	2022-03-21 - < 0.010	< 0.000050	0.0601	154	0.0518	0.03	4.42	38.9	< 0.000010	7.02	0.33	0.000047	< 0.00010	< 0.00030	0.0112	0.0017
EV_EC1	EV_EC1_WS_2022-03_WEK13_N	2022-03-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-03-28_N-SRF	2022-03-28 - < 0.010	< 0.000050	0.0278	148	0.00659	0.0169	2.78	168	< 0.000010	3.31	0.235	0.000028	< 0.00010	< 0.00030	0.00779	< 0.0010
EV_EC1	EV_EC1_WS_2022-03-28_N-SRF_1	2022-03-28	-	-	197	-	-	3.43	-	-	4.14	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-03_WEK14_N	2022-03-30		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-04_N-SRF	2022-04-04 - < 0.010	< 0.000050	0.047	155	0.0142	0.0193	3.69	83.6	< 0.000010	5.79	0.29	0.000029	< 0.00010	< 0.00030	0.0095	0.0018
EV_EC1	EV_EC1_WS_2022-04_WEK15_N	2022-04-06	-	-	- 450	-	-	-	-	-	- 2.00	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-04-10_N-SRF EV_EC1_WS_2022-04-11_N-SRF	2022-04-10 2022-04-11 - < 0.010	< 0.000050	0.0316	152 147	0.00356	0.0127	2.63 2.9	170	< 0.000010	3.29 3.43	0.268	0.000021	< 0.00010	< 0.00030	0.00781	< 0.0010
EV EC1	EV EC1 WS 2022-04-11 N-SRF 1	2022-04-11	- 0.000030	-	154	-	-	2.86	-	- 0.000010	3.71	-	0.000021	- 0.00010	- 0.00030	-	- 0.0010
EV EC1	EV EC1 WS 2022-04-11 N-SRF	2022-04-11	-		135	_	-	2.38	-		2.9	_	-	_			-
EV EC1	EV EC1 WS 2022-04-13 N-SRF	2022-04-13	_	-	155	_	-	2.83	_	_	3.37	_	-	_	_	_	-
EV EC1	EV EC1 WS 2022-Q2 N	2022-04-13 - 0.016	< 0.000050	0.0281	141	0.00183	0.0104	2.71	172	< 0.000010	3.36	0.238	0.000019	< 0.00010	< 0.00030	0.00766	< 0.0010
EV EC1	EV MC6 WS 2022-Q2 N	2022-04-13 5.7 < 0.010	< 0.000100	0.0265	142	0.00183	0.0105	2.79	163	< 0.000020	3.46	0.226	< 0.000020	< 0.00010	< 0.00030	0.00799	< 0.0010
EV_EC1	EV_MC8_WS_2022-Q2_N	2022-04-13 - < 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.000010	< 0.0010
EV_EC1	EV_EC1_WS_2022-04-14_N-SRF	2022-04-14	-	-	151	-	1	2.49	-	-	3.04	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-15_N-SRF	2022-04-15	-	-	163	_	-	2.7	-	-	3.47	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-16_N-SRF	2022-04-16	-	-	159	-	-	2.65	-	-	3.24	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-17_N-SRF	2022-04-17	-	-	155	-	-	2.6	-	-	3.09	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-18_N-SRF	2022-04-18 - < 0.010	< 0.000050	0.0269	143	0.00094	0.0081	2.84	176	< 0.000010	3.38	0.226	0.000018	< 0.00010	< 0.00030	0.0081	< 0.0010
EV_EC1	EV_EC1_WS_2022-04-18_N-SRF_1	2022-04-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-19_N-SRF	2022-04-19	-	-	148	-	-	2.48	-	-	3.22	-	-	-	-	-	-
EV_EC1 EV_EC1	EV_EC1_WS_2022-04-20_N-SRF EV_EC1_WS_2022-04_WEK17_N	2022-04-20 2022-04-20	-	-	151	-	-	2.57	-	-	3.09	-	-	-	-	-	-
EV_ECT	EV_EC1_WS_2022-04_WER17_N EV_EC1_WS_2022-04-21_N-SRF	2022-04-20	-	-	155	-	-	2.45	-	-	3.05	-	-	-	-		-
EV_EC1	EV EC1_W3_2022-04-21_N-SRF EV EC1_WS_2022-04-22_N-SRF	2022-04-21	-	<u>-</u>	161	-	-	2.43	-	-	3.43	-	-	-	-		-
EV_EC1	EV EC1 WS 2022-04-22 N-SRF	2022-04-22	-	<u>-</u>	169	-	-	2.69		-	3.3	-	-			-	-
EV EC1	EV EC1 WS 2022-04-24 N-SRF	2022-04-24	-	-	160	-	-	2.57	-	_	3.13	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-04-25 N-SRF	2022-04-25 - < 0.010	< 0.000050	0.0266	149	0.00055	0.00655	2.83	186	< 0.000010	3.18	0.229	0.000012	< 0.00010	< 0.00030	0.00844	0.0012
EV_EC1	EV_EC1_WS_2022-04-25_N-SRF_1	2022-04-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-26_N-SRF	2022-04-26	-	-	149	-	1	2.53	-	-	3.4	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-27_N-SRF	2022-04-27	-	-	151	-	-	2.43	-	-	3.2	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04_WEK18_N	2022-04-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-28_N-SRF	2022-04-28	-	-	150	-	-	2.65	-	-	3.37	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-29_N-SRF	2022-04-29	-	-	150	-	-	2.67	-	-	3.37	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-30_N-SRF	2022-04-30	-	-	153	-	-	2.54	-	-	2.95	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-01_N-SRF	2022-05-01		- 0.0050	156	-	-	2.68	470		3.02	- 0.005	- 0.000046	-	-	-	
EV_EC1	EV_EC1_WS_2022-05-02_N-SRF	2022-05-02 - < 0.010	< 0.000050	0.0259	143	0.00042	0.00544	2.81	170	< 0.000010	3.31	0.205	0.000013	< 0.00010	< 0.00030	0.00795	< 0.0010
EV_EC1 EV EC1	EV_EC1_WS_2022-05-02_N-SRF_1 EV_EC1_WS_2022-05-03_N-SRF	2022-05-02 2022-05-03	-	-	150	-	-	2.51	-	-	3.19	-	-	-	-	-	-
LV_EU1	LV_LU1_VV3_ZUZZ-U0-U3_N-3RF	2022-03-03 - -	-	-	100	-	-	2.01	-		3.18	-		<u>-</u>	-	-	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals					
			rdness			ıtimony	senic	rium m	ryllium	smuth	ron	dmium	Calcium	ıromium	balt	opper
Sample	Sample	Sample Date	На	3		Ā	Ą	Ba	Be	ä	Bo	ပိ	ပိ	ភ	ပိ	U
Location	ID	(mm/dd/yyyy)	mg/L	mç		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Acute	Chronic							Acute				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLMe
Elkview Operation												· · ·		_		
EV_EC1	EV_EC1_WS_2022-05-04_N-SRF	2022-05-04	-			-	-	-	-	-	-	-	212	-	-	-
EV_EC1	EV_EC1_WS_2022-05-MON_N	2022-05-04	-	< 0.0	0010	0.00021	0.00025	0.0455	< 0.020	< 0.000050	0.013	< 0.0050	215	0.00018	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-05-05_N-SRF	2022-05-05	-			-	-	-	-	-	-	-	212	-	-	-
EV_EC1	EV_EC1_WS_2022-05-05_N	2022-05-05	-	0.0	014	0.00022	0.00022	0.0422	< 0.020	< 0.000050	0.014	< 0.0050	232	0.00019	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-05-06_N-SRF	2022-05-06	-			-	-	-	-	-	-	-	206	-	-	-
EV_EC1	EV_EC1_WS_2022-05-06_N	2022-05-06	-	0.0	01	0.00022	0.00021	0.04	< 0.020	< 0.000050	0.011	< 0.0050	224	0.00017	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-05-07_N-SRF	2022-05-07	-			-	-	-	-	-	-	-	218	-	-	
EV_EC1	EV_EC1_WS_2022-05-07_N	2022-05-07	-	< 0.0		0.00019	0.00026	0.0441	< 0.020	< 0.000050	0.013	< 0.0050	227	0.00016	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-05-08_N-SRF	2022-05-08	-	-		-	-	-	-	-	-	-	225	-	-	
EV_EC1	EV_EC1_WS_2022-05-08_N	2022-05-08	-	< 0.0		0.00019	0.00026	0.0447	< 0.020	< 0.000050	0.012	< 0.0050	219	0.00014	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-05-09_N	2022-05-09	-	< 0.0		0.00019	0.00023	0.0417	< 0.020	< 0.000050	0.012	< 0.0050	214	0.00015	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-05-09_N-SRF	2022-05-09	-	0.0		0.00021	0.00027	0.0442	< 0.020	< 0.000050	0.014	0.0000093	230	0.00018	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-05-10_N-SRF	2022-05-10	-			-	-	-	-	-	-	-	214	-	-	<u> </u>
EV_EC1	EV_EC1_WS_2022-05_WEK20_N	2022-05-10	-	< 0.0		0.0002	0.00024	0.0422	< 0.020	< 0.000050	0.012	< 0.0050	205	0.00016	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-05-11_N-SRF	2022-05-11	-		•	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-12_N-SRF	2022-05-12	-			-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-13_N-SRF	2022-05-13	-		•	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-14_N-SRF	2022-05-14	-		•	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-15_N-SRF	2022-05-15	-			-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-16_N-SRF	2022-05-16	-	0.0	013	0.00021	0.00024	0.0487	< 0.020	< 0.000050	0.014	0.000067	232	0.00021	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-05-16_N-SRF_1	2022-05-16	-		•	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-17_N-SRF	2022-05-17	-		•	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-18_N-SRF	2022-05-18	-		•	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05_WEK21_N	2022-05-18	-		•	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-19_N-SRF	2022-05-19	-		•	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-20_N-SRF	2022-05-20	-			-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-02-21_N-SRF	2022-05-21	-		•	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-22_N-SRF	2022-05-22	-			-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-23_N-SRF	2022-05-23	-	0.00		0.00021	0.00023	0.0459	< 0.020	< 0.000050	0.013	0.0000111	228	0.00019	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-05-24_N-SRF	2022-05-24	-			-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-25_N-SRF	2022-05-25	-		•	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05_WEK22_N	2022-05-25	-	•		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-26_N-SRF	2022-05-26	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-27_N-SRF	2022-05-27	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-28_N-SRF	2022-05-28	-	•	•	-	-	-	-	-	-	-	-	 -	-	-
EV_EC1	EV_EC1_WS_2022-05-29_N-SRF	2022-05-29	-	0.00		- 0.00004	- 0.00004	- 0.0470			- 0.040	0.000000	- 005	- 0.00040		
EV_EC1	EV_EC1_WS_2022-05-30_N-SRF	2022-05-30	-	0.00		0.00021	0.00024	0.0478	< 0.020	< 0.000050	0.012	0.0000058	225	0.00016	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-05-30_N-SRF_1	2022-05-30	-	-		-	-	-	-	-	-	-	-	 -	-	
EV_EC1	EV_EC1_WS_2022-05-31_N-SRF	2022-05-31	-		•	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05_WEK23_N	2022-05-31	-		•	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-01_N-SRF	2022-06-01	-	0.00		- 0.000	- 0.000	- 0.0202	- 0.000	- 0.000050	0.011	- 0.0050	- 202	0.00014	- 0.10	- 0.00020
EV_EC1	EV_EC1_WS_2022-06-02_N-SRF	2022-06-02	-	0.00		0.0002	0.0002	0.0392	< 0.020	< 0.000050	0.011	< 0.0050	202	0.00014	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-06-03_N-SRF	2022-06-03	-		•	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-04_N-SRF	2022-06-04	-		•	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-05_N-SRF	2022-06-05	_	. 0.0		- 0.0000	-	- 0.0470	-		- 0.040	- 0.000066	-	- 0.00040	- 10.10	- 0.00000
EV_EC1	EV_EC1_WS_2022-06_MON_N	2022-06-06	-	< 0.0		0.0002	0.00022	0.0476	< 0.020	< 0.000050	0.012	0.000066	225	0.00018	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-06-06_N-SRF	2022-06-06	-	0.0		0.00022	0.00026	0.0494	< 0.020	< 0.000050	0.013	0.0000435	232	0.00027	0.0001	0.00056
EV_EC1	EV_EC1_WS_2022-06-07_N-SRF	2022-06-07	-		•	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-08_N-SRF	2022-06-08	-	0.0		- 0.00022	- 0.00025	- 0.0494	- 0.000	- 0.000050	0.012	- 0.0050	-	- 0.00017	- 0.10	- 0.00000
EV_EC1	EV_EC1_WS_2022-06-09_N	2022-06-09	-	0.0	U I	0.00023	0.00025	0.0481	< 0.020	< 0.000050	0.013	< 0.0050	229	0.00017	< 0.10	< 0.00020

< Denotes concentration less than indicated detection limit

n/a denotes no applicable standard

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals							
Sample	Sample	Sample Date H	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation EV EC1	EV EC1 WS 2022-05-04 N-SRF	2022-05-04 -	_			157	_	_	2.71	-	-	3.26	_	_	_	-		_
EV EC1	EV EC1 WS 2022-05-MON N	2022-05-04 -	< 0.010	< 0.000050	0.0263	143	0.00041	0.00529	2.88	191	< 0.000010	3.34	0.219	0.000013	< 0.00010	< 0.00030	0.00743	< 0.0010
EV EC1	EV EC1 WS 2022-05-05 N-SRF	2022-05-05 -	-	-	-	160	-	-	2.71	-	- 0.000010	3.32	-	-	-	-	-	
EV EC1	EV EC1 WS 2022-05-05 N	2022-05-05 -	< 0.010	< 0.000050	0.027	142	0.00039	0.00503	2.68	185	< 0.000010	3.18	0.222	0.000011	< 0.00010	< 0.00030	0.00747	< 0.0010
EV EC1	EV EC1 WS 2022-05-06 N-SRF	2022-05-06 -	-	-	-	147	-	-	2.42	-	-	3	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-06_N	2022-05-06 -	< 0.010	< 0.000050	0.0225	139	0.00043	0.00472	2.46	187	< 0.000010	2.89	0.214	< 0.000010	< 0.00010	< 0.00030	0.00747	< 0.0010
EV_EC1	EV_EC1_WS_2022-05-07_N-SRF	2022-05-07 -	-	-	-	157	-	-	2.4	-	-	3.18	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-07_N	2022-05-07 -	< 0.010	< 0.000050	0.0266	144	0.00045	0.00491	2.68	189	< 0.000010	3.22	0.21	0.000011	< 0.00010	< 0.00030	0.00713	< 0.0010
EV_EC1	EV_EC1_WS_2022-05-08_N-SRF	2022-05-08 -	-	-	-	148	-	-	2.42	-	-	3.12	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-08_N	2022-05-08 -	< 0.010	< 0.000050	0.0253	147	0.00038	0.00466	2.63	185	< 0.000010	3.15	0.214	0.000011	< 0.00010	< 0.00030	0.00732	< 0.0010
EV_EC1	EV_EC1_WS_2022-05-09_N	2022-05-09 -	< 0.010	< 0.000050	0.0241	140	0.00032	0.00435	2.5	178	< 0.000010	3.03	0.211	< 0.000010	< 0.00010	< 0.00030	0.00717	< 0.0010
EV_EC1	EV_EC1_WS_2022-05-09_N-SRF	2022-05-09 -	< 0.010	< 0.000050	0.027	146 150	0.00048	0.0048	2.68	174	< 0.000010	3.18	0.218	0.000012	< 0.00010	< 0.00030	0.00787	0.0157
EV_EC1 EV EC1	EV_EC1_WS_2022-05-10_N-SRF EV_EC1_WS_2022-05_WEK20_N	2022-05-10 - 2022-05-10 -	< 0.010	< 0.000050	0.0259	131	0.00031	0.00433	2.6 2.52	- 173	< 0.000010	3.12 3.09	0.212	0.000011	< 0.00010	< 0.00030	0.00715	< 0.0010
EV_EC1	EV EC1_WS_2022-05_WER20_N EV EC1_WS_2022-05-11_N-SRF	2022-05-10 -			0.0259	-	0.00031	0.00433	- 2.32	_		3.09		0.000011				
EV_EC1	EV EC1 WS 2022-05-11 N-SRF	2022-05-11 -	-	-		-	-		-	-	-	-	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-05-13 N-SRF	2022-05-13 -		-		-	_	_	-	_	-	-	_	-	-	-		_
EV EC1	EV EC1 WS 2022-05-14 N-SRF	2022-05-14 -	-	_		-	_	_	_	_	_	_	_	_	-	_	_	_
EV EC1	EV EC1 WS 2022-05-15 N-SRF	2022-05-15 -	_	-	_	_	_	_	_	_	_	-	_	_	-	_	_	_
EV EC1	EV EC1 WS 2022-05-16 N-SRF	2022-05-16 -	< 0.010	< 0.000050	0.0278	150	0.00044	0.00441	2.95	191	< 0.000010	3.37	0.232	0.00001	< 0.00010	< 0.00030	0.00765	0.0032
EV EC1	EV EC1 WS 2022-05-16 N-SRF 1	2022-05-16 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-17_N-SRF	2022-05-17 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-18_N-SRF	2022-05-18 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05_WEK21_N	2022-05-18 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-19_N-SRF	2022-05-19 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-20_N-SRF	2022-05-20 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-02-21_N-SRF	2022-05-21 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-22_N-SRF	2022-05-22 -	- 0.010	- 0.000050	- 0.0050	-	- 0.0004	- 0.00005	-	-	- 0.000040	- 0.40	- 0.040	- 0.000040	- 0.00040	-	-	-
EV_EC1	EV_EC1_WS_2022-05-23_N-SRF	2022-05-23 -	< 0.010	< 0.000050	0.0253	149	0.0004	0.00365	2.68	180	< 0.000010	3.16	0.218	< 0.000010	< 0.00010	< 0.00030	0.00773	< 0.0010
EV_EC1 EV EC1	EV_EC1_WS_2022-05-24_N-SRF EV_EC1_WS_2022-05-25_N-SRF	2022-05-24 - 2022-05-25 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-25_N-SRF EV_EC1_WS_2022-05_WEK22_N	2022-05-25 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV EC1_WS_2022-05_WER22_N EV EC1_WS_2022-05-26_N-SRF	2022-05-26 -	<u> </u>		-	-		-	-		-		-	-	-	-		-
EV_EC1	EV EC1 WS 2022-05-27 N-SRF	2022-05-27 -		-		-	-	-	-	-	-	-	-	-	-	-		-
EV_EG1	EV EC1 WS 2022-05-28 N-SRF	2022-05-28 -	_	- 1	-	-	-	-	_	-	-	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-05-29 N-SRF	2022-05-29 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-30_N-SRF	2022-05-30 -	< 0.010	< 0.000050	0.0256	154	0.00028	0.00334	2.72	187	0.000013	3.23	0.219	0.000011	< 0.00010	< 0.00030	0.00815	< 0.0010
EV_EC1	EV_EC1_WS_2022-05-30_N-SRF_1	2022-05-30 -	-	-	<u>-</u>	-	-	-	-	-		-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-31_N-SRF	2022-05-31 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05_WEK23_N	2022-05-31 -	-	-	-	-	-	-	-	•	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-06-01_N-SRF	2022-06-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-02_N-SRF	2022-06-02 -	< 0.010	< 0.000050	0.0234	108	0.00026	0.00252	2.25	144	< 0.000010	2.56	0.203	< 0.000010	< 0.00010	< 0.00030	0.00682	< 0.0010
EV_EC1	EV_EC1_WS_2022-06-03_N-SRF	2022-06-03 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-04_N-SRF EV_EC1_WS_2022-06-05_N-SRF	2022-06-04 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-06-05_N-SRF EV_EC1_WS_2022-06_MON_N	2022-06-05 - 2022-06-06 -	< 0.010	< 0.000050	0.0245	148	0.00025	0.00306	2.53	167	< 0.000010	3	0.209	0.00001	< 0.00010	< 0.00030	0.00708	< 0.0010
EV_EC1	EV_ECT_WS_2022-06_MON_N EV_ECT_WS_2022-06-06_N-SRF	2022-06-06 -	0.021	0.00032	0.0245	150	0.00025	0.00306	2.53	169	< 0.000010	3.4	0.209	0.00001	< 0.00010	0.00030	0.00708	0.0026
EV EC1	EV EC1 WS 2022-06-07 N-SRF	2022-06-07 -	-	-	-	-	0.00136	-	-	-	- 0.000010	-	-	0.000012	- 0.00010	-	-	0.0020
EV_EC1	EV EC1 WS 2022-06-08 N-SRF	2022-06-08 -		-		-	_	_	-	_	-	-	_	-	-	-		_
EV EC1	EV EC1 WS 2022-06-09 N	2022-06-09 -	< 0.010	< 0.000050	0.0298	148	0.00028	0.00303	2.87	180	< 0.000010	3.4	0.231	0.00001	< 0.00010	< 0.00030	0.00839	0.0012
_== -		1																

< Denotes concentration less than indicated detection limit

n/a denotes no applicable standard

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolve	ed Metals					
			ardness	uminum		ntimony	senic	arium	əryllium	smuth	oron	admium	Salcium	romium	obalt	Copper
Sample	Sample	Sample Date		₹		⋖	Ā	B	Be	ä	ĕ	ΰ		င်	ပိ	
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	m	ng/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Acute	Chronic							Acute				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a 0	.005-0.05 ^a r	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Elkview Operation																
EV_EC1	EV_EC1_WS_2022-06-09_N-SRF	2022-06-09	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-10_N-SRF	2022-06-10	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-10_N	2022-06-10	-	< 0.0010	0.0	00021	0.00023	0.0504	< 0.020	< 0.000050	0.012	< 0.0050	224	0.00021	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-06-11_N	2022-06-11	-	< 0.0010	0.0	00021	0.00021	0.0514	< 0.020	< 0.000050	0.012	0.0000052	226	0.00018	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-06-11_N-SRF_1	2022-06-11	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-12_N	2022-06-12	-	< 0.0010	0.0	00021	0.00029	0.0567	< 0.020	< 0.000050	0.013	0.000086	229	0.00024	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-06-12_N-SRF_1	2022-06-12	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-13_N-SRF	2022-06-13	_	0.0034	0.0	00019	0.00024	0.0501	< 0.020	< 0.000050	0.012	0.000058	222	0.00024	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-06-14_N	2022-06-14	-	0.0049	0.0	00021	0.00026	0.0562	< 0.020	< 0.000050	0.01	0.0000178	202	0.00016	< 0.10	0.00024
EV_EC1	EV_EC1_WS_2022-06-15_N	2022-06-15	-	< 0.0010	0.0	00021	0.00031	0.0541	< 0.020	< 0.000050	0.012	0.0000137	218	0.00016	< 0.10	< 0.00020
EV EC1	EV_EC1_WS_2022-06_WEK25_N	2022-06-15	-	-		-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-06-16 N-SRF	2022-06-16	-	0.001	0.0	0002	0.00025	0.0558	< 0.020	< 0.000050	0.011	0.000077	214	0.00016	< 0.10	< 0.00020
EV EC1	EV EC1 WS 2022-06-17 N-SRF	2022-06-17	-	-		-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-06-18 N-SRF	2022-06-18	_	-		-	-	-	-	-	_	-	-	-	-	-
EV EC1	EV EC1 WS 2022-06-19 N-SRF	2022-06-19	-	-		_	-	-	_	_	-	-	_	_	_	_
EV EC1	EV EC1 WS 2022-06-20 N-SRF	2022-06-20	+ -	0.009		00021	0.00024	0.0549	< 0.020	< 0.000050	0.011	0.000096	223	0.00018	< 0.10	< 0.00020
EV EC1	EV_EC1_WS_ 2022-06-22_N-SRF	2022-06-22	—	-		-	-	-	-	-	-	-	-	-		-
EV EC1	EV EC1 WS 2022-06-21 N-SRF	2022-06-22	+ -	-		_	_		_	_	_	_	_	_	_	-
EV EC1	EV EC1 WS 2022-06-21 N-3KI	2022-06-23	+ -	-		-	-		-	-	_	-			-	-
EV EC1	EV_EC1_WS_2022-06_WER26_N EV EC1 WS 2022-06-23 N-SRF	2022-06-23				-	-	<u>-</u>	_		_	_			-	_
EV_EC1	EV EC1 WS 2022-06-24 N-SRF	2022-06-24	 -	<u>-</u>			-				-	-	-			_
EV_ECT	EV EC1 WS 2022-06-24 N-SRF	2022-06-25	├ -	<u> </u>		-	-		-	-	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-06-26 N-SRF	2022-06-26	+	<u>-</u>			-		-	-	-	-	-	-	-	_
EV_ECT	EV EC1 WS 2022-06-27 N-SRF	2022-06-27	├ -	< 0.0010	0.0	00017	0.00023	0.0501	< 0.020	< 0.000050	0.011	0.000059	224	0.00018	< 0.10	< 0.00020
EV_ECT	EV_EC1_WS_2022-06-27_N-SRF EV_EC1_WS_2022-06-28_N-SRF	2022-06-28	+							< 0.000050						+
_			-	-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-29_N-SRF	2022-06-29	-	-		-	-	-	-	-	-		-	-	-	
EV_EC1	EV_EC1_WS_2022-06_WEK27_N	2022-06-29		-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-30_N-SRF	2022-06-30	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-01_N-SRF	2022-07-01	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-02_N-SRF	2022-07-02	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-03_N-SRF	2022-07-03	-	-		-	-	-	-	-	-	- 0.000074	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-04_N-SRF	2022-07-04	-	< 0.0010		00017	0.00026	0.0543	< 0.020	< 0.000050	0.012	0.0000071	230	0.0002	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS2022-07-05_N-SRF	2022-07-05	-	-		-	-	-	-	-	-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-Q3_N	2022-07-06	-	< 0.0010		0002	0.00025	0.0507	< 0.020	< 0.000050	0.011	< 0.0050	211	0.00017	< 0.10	< 0.00020
EV_EC1	EV_MC5_WS_2022-Q3_N	2022-07-06	-	< 0.0010		0002	0.00026	0.0506	< 0.020	< 0.000050	0.011	0.0000051	213	0.00018	< 0.10	< 0.00020
EV_EC1	EV_MC7_WS_2022-Q3_N	2022-07-06	-	< 0.0010		.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050		< 0.10	< 0.00020
EV_EC1	EV_EC1_WS2022-07-06_N-SRF	2022-07-06		-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS2022-07-07_N-SRF	2022-07-07		-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS2022-07-08_N-SRF	2022-07-08		-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-09_N-SRF	2022-07-09		-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-10_N-SRF	2022-07-10	+ +	-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-11_N-SRF	2022-07-11	-	< 0.0010	0.0	00021	0.00025	0.0506	< 0.020	< 0.000050	0.011	0.000058	216	0.00018	< 0.10	0.00031
EV_EC1	EV_EC1_WS_2022-07-12_N-SRF	2022-07-12		=		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-13_N-SRF	2022-07-13		=		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07_WEK29_N	2022-07-13	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-14_N-SRF	2022-07-14	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-15_N-SRF	2022-07-15		-		-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-16_N-SRF	2022-07-16		-		-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV_EC1_WS_2022-07-17_N-SRF	2022-07-17	-	-		-	-	-	-	-	-	-	-	-	-	-
		2022-07-18														< 0.00020

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals							
Sample	Sample	Sample Date	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation	57 504 MO 0000 00 00 N 0D5	1 0000 00 00 1		1				T		ı	1	ı		1				
EV_EC1	EV_EC1_WS_2022-06-09_N-SRF EV_EC1_WS_2022-06-10_N-SRF	2022-06-09 -	-	-	-	=	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_ECT_WS_2022-06-10_N-SRF EV_ECT_WS_2022-06-10_N	2022-06-10 - 2022-06-10 -	< 0.010	< 0.000050	0.0259	147	0.00026	0.00296	2.72	- 179	< 0.000010	3.13	0.213	< 0.000010	< 0.00010	< 0.00030	0.0074	< 0.0010
EV_ECT	EV_EC1_WS_2022-06-10_N EV_EC1_WS_2022-06-11_N	2022-06-10 -	< 0.010	< 0.000050	0.0259	150	0.00026	0.00296	2.72	188	< 0.000010	3.13	0.215	< 0.000010	< 0.00010	< 0.00030	0.00744	< 0.0010
EV_EC1	EV EC1 WS 2022-06-11 N-SRF 1	2022-06-11 -	- 0.010	- 0.000030	0.020	-	0.00027	0.00299	2.1	-	- 0.000010	3.20	0.215	< 0.000010	- 0.00010	- 0.00030	0.00744	- 0.0010
EV EC1	EV EC1 WS 2022-06-12 N	2022-06-12 -	< 0.010	< 0.000050	0.0266	164	0.00036	0.00329	3.12	226	< 0.000010	3.54	0.232	< 0.000010	< 0.00010	< 0.00030	0.00761	< 0.0010
EV EC1	EV EC1 WS 2022-06-12 N-SRF 1	2022-06-12 -	- 0.010	- 0.000030	-	-	-	0.00323	-	-	- 0.000010	3.54	-	- 0.000010	- 0.00010	- 0.00000	0.00701	- 0.0010
EV EC1	EV EC1 WS 2022-06-13 N-SRF	2022-06-13 -	< 0.010	< 0.000050	0.0252	143	0.00036	0.00277	2.77	172	< 0.000010	3.02	0.206	< 0.000010	< 0.00010	< 0.00030	0.00731	0.0056
EV EC1	EV EC1 WS 2022-06-14 N	2022-06-14 -	< 0.010	< 0.000050	0.0228	124	0.00047	0.00253	2.5	149	< 0.000010	2.88	0.201	< 0.000010	< 0.00010	< 0.00030	0.00684	< 0.0010
EV EC1	EV EC1 WS 2022-06-15 N	2022-06-15 -	< 0.010	< 0.000050	0.0225	137	0.00032	0.0027	2.56	165	< 0.000010	2.96	0.204	< 0.000010	< 0.00010	< 0.00030	0.00691	< 0.0010
EV_EC1	EV_EC1_WS_2022-06_WEK25_N	2022-06-15 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-16_N-SRF	2022-06-16 -	< 0.010	< 0.000050	0.023	136	0.00034	0.00258	2.67	170	< 0.000010	3.18	0.208	< 0.000010	< 0.00010	< 0.00030	0.00734	< 0.0010
EV_EC1	EV_EC1_WS_2022-06-17_N-SRF	2022-06-17 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-18_N-SRF	2022-06-18 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-19_N-SRF	2022-06-19 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-20_N-SRF	2022-06-20 -	< 0.010	0.000417	0.0232	142	0.00045	0.00242	2.52	176	< 0.000010	2.94	0.202	< 0.000010	< 0.00010	< 0.00060	0.0078	0.0053
EV_EC1	EV_EC1_WS_ 2022-06-22_N-SRF	2022-06-22 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-21_N-SRF	2022-06-22 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-06_WEK26_N EV_EC1_WS_2022-06-23_N-SRF	2022-06-23 - 2022-06-23 -	-	-	<u> </u>	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-23_N-SRF EV_EC1_WS_2022-06-24_N-SRF	2022-06-23 -	-	-	<u> </u>	_	-	-	-	-	-	-	-	-	-	-	-	
EV EC1	EV EC1 WS 2022-06-25 N-SRF	2022-06-25 -		† - †	<u>-</u>		-	-	-	-	-	-	-	-		-		-
EV EC1	EV EC1 WS 2022-06-26 N-SRF	2022-06-26 -		-		_	_	_	_	_	_	_	_	_	_	_	_	_
EV EC1	EV EC1 WS 2022-06-27 N-SRF	2022-06-27 -	< 0.010	< 0.000050	0.0248	150	0.00023	0.00215	2.6	168	< 0.000010	3.21	0.217	< 0.000010	< 0.00010	< 0.00030	0.0074	< 0.0010
EV EC1	EV EC1 WS 2022-06-28 N-SRF	2022-06-28 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-06-29 N-SRF	2022-06-29 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06_WEK27_N	2022-06-29 -	-	-	-	-	-	-	-	-	-	-	-	-	_	-	-	-
EV_EC1	EV_EC1_WS_2022-06-30_N-SRF	2022-06-30 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-01_N-SRF	2022-07-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-02_N-SRF	2022-07-02 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-03_N-SRF	2022-07-03 -		-		-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-04_N-SRF	2022-07-04 -	< 0.010	< 0.000050	0.0242	152	0.00022	0.00222	2.71	188	< 0.000010	3.34	0.216	< 0.000010	< 0.00010	< 0.00030	0.00867	< 0.0010
EV_EC1 EV EC1	EV_EC1_WS2022-07-05_N-SRF	2022-07-05 - 2022-07-06 -	< 0.010	< 0.000050	0.0258	143	- 0.00010	0.00205	2.7	182	< 0.000010	2.00	0.207	< 0.000010	< 0.00010	< 0.00030	0.00748	< 0.0010
EV_EC1	EV_EC1_WS_2022-Q3_N EV_MC5_WS_2022-Q3_N	2022-07-06 -	< 0.010	< 0.000050	0.0236	143	0.00019 0.00016	0.00205	2.65	178	< 0.000010	3.22 3.25	0.207	< 0.000010	< 0.00010	< 0.00030	0.00746	< 0.0010
EV EC1	EV MC7 WS 2022-Q3 N	2022-07-06 -	< 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00203	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.00012	< 0.0010
EV EC1	EV EC1 WS 2022-Q3 N	2022-07-06 -	- 0.010	- 0.00000	- 0.0010	- 0.0030	- 0.00010		- 0.030	- 0.000	- 0.000010	- 0.000	- 0.00020	- 0.000010	- 0.00010		- 0.000010	- 0.0010
EV EC1	EV EC1 WS 2022-07-07 N-SRF	2022-07-07 -	-	-	_	-	-	-	-	-	-	-	-	-	_	-	-	
EV EC1	EV EC1 WS 2022-07-08 N-SRF	2022-07-08 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-09_N-SRF	2022-07-09 -	-	-	-	-	-	-	-	-	-	-	-	-	_	-	-	-
EV_EC1	EV_EC1_WS_2022-07-10_N-SRF	2022-07-10 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-11_N-SRF	2022-07-11 -	< 0.010	< 0.000050	0.0253	143	0.00029	0.00209	2.71	168	< 0.000010	3.1	0.203	< 0.000010	< 0.00010	< 0.00030	0.00759	0.0027
EV_EC1	EV_EC1_WS_2022-07-12_N-SRF	2022-07-12 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-13_N-SRF	2022-07-13 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07_WEK29_N	2022-07-13 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-14_N-SRF	2022-07-14 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-15_N-SRF	2022-07-15 -	-	-	-	=	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-07-16_N-SRF EV_EC1_WS_2022-07-17_N-SRF	2022-07-16 - 2022-07-17 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_ECT	EV_EC1_WS_2022-07-17_N-SRF EV_EC1_WS_2022-07-18_N-SRF	2022-07-17 -	< 0.010	< 0.000050	0.0253	145	0.00029	0.0022	2.78	204	< 0.000010	3.12	0.214	< 0.000010		< 0.00030	0.00789	0.001
		2022-01-10	- 0.010	- 0.000000	0.0200	170	0.00023	0.0022	2.10	204	- 0.000010	0.12	0.217	- 0.000010	- 0.00010	- 0.00000	0.00703	0.001

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissolve	ed Metals					
Sample	Sample	Sample Date		Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Acute							Acute				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a 0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Elkview Operation						1	1		1						
EV_EC1	EV_EC1_WS_2022-07-19_N-SRF	2022-07-19	-	-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-20_N-SRF	2022-07-20	-	-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-21_N-SRF	2022-07-21	-	-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-22_N-SRF	2022-07-22	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-23_N-SRF	2022-07-23	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-24_N-SRF	2022-07-24	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-25_N-SRF	2022-07-25	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-26_N-SRF	2022-07-26	-	<u>-</u>	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-07-27_N-SRF	2022-07-27	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-28_N-SRF	2022-07-28	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-29_N-SRF	2022-07-29	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-30_N-SRF	2022-07-30	-	<u>-</u>	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-31_N-SRF	2022-07-31	-	-	-	-	- 0.054	-		- 0.000	-	-	-		-
EV_EC1	EV_EC1_WS_2022-08-01_N-SRF	2022-08-01	-	< 0.0020	< 0.00020	0.00031	0.054	< 0.040	< 0.000100	< 0.020	< 0.0100	197	0.00023	< 0.20	< 0.00040
EV_EC1	EV_EC1_WS_2022-08-02_N-SRF	2022-08-02	-	<u>-</u>	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-03_N-SRF	2022-08-03		<u>-</u>	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-04_N-SRF	2022-08-04	-	<u>-</u>	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-08-05_N-SRF EV_EC1_WS_2022-08-06_N-SRF	2022-08-05 2022-08-06	-	<u>-</u>	-	-	-	-	-	-	<u>-</u>	-	-	-	- -
EV_EC1	EV_EC1_WS_2022-06-06_N-SRF EV_EC1_WS_2022-08-07_N-SRF	2022-08-07	-	<u>-</u>	-	-	-	-	-	-		-	-	-	
EV_EC1	EV_ECT_WS_2022-06-07_N-SRF EV_ECT_WS_2022-08-08_N-SRF	2022-08-08	-	-	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_EC1	EV EC1 WS 2022-08 MON N	2022-08-09	-	< 0.0010	0.00021	0.00026	0.0482	< 0.020	< 0.000050	0.013	< 0.0050	192	0.00023	< 0.10	0.00024
EV_EC1	EV_EC1_WS_2022-08_MON_N EV_EC1_WS_2022-08-09_N-SRF	2022-08-09		- 0.0010	1	0.00026	1	- 0.020		1	- 0.0050	192		1	0.00024
EV_EC1	EV EC1 WS 2022-08-10 N-SRF	2022-08-10	-	<u> </u>	-	-	-	-	-	-	<u> </u>	-	-	-	-
EV_EC1	EV EC1 WS 2022-06-10 N-SRF	2022-08-10		-	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV EC1	EV EC1 WS 2022-08-12 N-SRF	2022-08-12	 	_	-	-	-	-	-	-		-	-	-	<u> </u>
EV EC1	EV EC1 WS 2022-08-13 N-SRF	2022-08-13			_	-	-	_		-		-		_	_
EV EC1	EV EC1 WS 2022-06-13 N-SRF	2022-08-13	 -		-	_	-		-			-			
EV EC1	EV EC1 WS 2022-08-15 N-SRF	2022-08-15		0.0012	0.00021	0.00023	0.0447	< 0.020	< 0.000050	0.012	0.000068	204	0.00018	< 0.10	< 0.00020
EV EC1	EV EC1 WS 2022-08-16 N-SRF	2022-08-16		-	0.00021	-	-	- 0.020	- 0.000030	-	-	-	-	- 0.10	- 0.00020
EV EC1	EV EC1 WS 2022-08-17 N-SRF	2022-00-10	+ -		-	-	-	-	-	-	<u> </u>	-	-	_	-
EV EC1	EV EC1 WS 2022-08-18 N-SRF	2022-08-18	 		-	-	-	_	-	_		-	-	_	<u> </u>
EV EC1	EV EC1 WS 2022-08-19 N SRF	2022-08-19	1 - 1		_	-	-			-	<u> </u>	-		_	-
EV EC1	EV EC1 WS 2022-08-19 N-SRF	2022-00-19	1 - 1		-	-	_	-	-	-		-	_	-	_
EV EC1	EV EC1 WS 2022-08-21 N-SRF	2022-08-21	_		_	_	_	-	_	_		-	_	-	-
EV EC1	EV EC1 WS 2022-08-22 N-SRF	2022-08-22	1 - 1	-	_	_	_	_	_	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-08-23 N-SRF	2022-08-23	-	-	-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-08-24 N-SRF	2022-08-24		-	-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-08-25 N-SRF	2022-08-25		-	-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-08-26 N-SRF	2022-08-26		-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-27_N-SRF	2022-08-27		-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-28_N-SRF	2022-08-28		-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-29_N-SRF	2022-08-29		< 0.0010	0.00019	0.00024	0.0456	< 0.020	< 0.000050	0.014	0.000052	225	0.0002	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-08-30_N_SRF	2022-08-30	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-31_N_SRF	2022-08-31		-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-01_N-SRF	2022-09-01	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-02_N-SRF	2022-09-02	-	-	-	-	-	-	-	-	=	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-03_N-SRF	2022-09-03		-	-	-	-	-	-	-	-	-	1	-	-
	EV EQ4 WQ 0000 00 04 N 0DE	2022-09-04	- 1	-	_	_	_	_	_	_	-	-	1	_	-
EV_EC1	EV_EC1_WS_2022-09-04_N-SRF	2022-09-04		_											<u> </u>

< Denotes concentration less than indicated detection limit

n/a denotes no applicable standard

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissol	ved Metals							
Sample	Sample	Sample Date H ou	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	r L	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L mg/l	_ mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		Acute															
BC WQG FWAL		n/a 0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation	EV FOA WC 2002 07 40 N CDF	1 2022 27 40	<u> </u>	1		1	1	ı	1	1	ı	1		1	1		
EV_EC1 EV EC1	EV_EC1_WS_2022-07-19_N-SRF EV_EC1_WS_2022-07-20_N-SRF	2022-07-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_ECT	EV EC1 WS 2022-07-20 N-SRF EV EC1 WS 2022-07-21 N-SRF	2022-07-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-21_N-SRF	2022-07-21			+ -		_	-	_	-	_	-	+ -	-	-	<u>-</u>	-
EV EC1	EV EC1 WS 2022-07-23 N-SRF	2022-07-23	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
EV EC1	EV EC1 WS 2022-07-24 N-SRF	2022-07-24	_	-	_	_	-	_	_	-	_	_	_	_	_	_	_
EV EC1	EV EC1 WS 2022-07-25 N-SRF	2022-07-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-26_N-SRF	2022-07-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-07-27_N-SRF	2022-07-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-28_N-SRF	2022-07-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-29_N-SRF	2022-07-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-30_N-SRF	2022-07-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-31_N-SRF	2022-07-31	-	-	-	-	-	-	-	-	-	-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-08-01_N-SRF	2022-08-01 - < 0.02			144	0.00037	0.00228	2.56	141	< 0.000020	3.23	0.202	< 0.000020	< 0.00020	< 0.00060	0.007	< 0.0020
EV_EC1	EV_EC1_WS_2022-08-02_N-SRF	2022-08-02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-08-03_N-SRF EV_EC1_WS_2022-08-04_N-SRF	2022-08-03 2022-08-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_ECT	EV_EC1_WS_2022-08-04_N-SRF EV_EC1_WS_2022-08-05_N-SRF	2022-08-05	-	-	-	-	-	-	-		-	-	-	-	-	-	-
EV_ECT	EV_EC1_W3_2022-06-03_N-SRF EV_EC1_WS_2022-08-06_N-SRF	2022-08-06		-	-	-	-	-	-	-	-	-	-	-	_		-
EV_EC1	EV_EC1_WS_2022-00-00_N-SRF	2022-08-07			-		_	_	_		_	-	+ -	-	_	<u>-</u>	-
EV EC1	EV EC1 WS 2022-08-08 N-SRF	2022-08-08	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
EV EC1	EV EC1 WS 2022-08 MON N	2022-08-09 - < 0.0	0 < 0.000050	0.0234	137	0.00012	0.00198	2.58	137	< 0.000010	2.9	0.187	< 0.000010	< 0.00010	< 0.00030	0.00739	< 0.0010
EV EC1	EV EC1 WS 2022-08-09 N-SRF	2022-08-09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-10_N-SRF	2022-08-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-11_N-SRF	2022-08-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-12_N-SRF	2022-08-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-13_N-SRF	2022-08-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-14_N-SRF	2022-08-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-15_N-SRF	2022-08-15 - < 0.0	0 < 0.000050	0.0267	144	0.00015	0.00202	2.48	174	< 0.000010	2.98	0.204	< 0.000010	< 0.00010	< 0.00030	0.00754	0.0014
EV_EC1	EV_EC1_WS_2022-08-16_N-SRF	2022-08-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-08-17_N-SRF	2022-08-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-18_N-SRF	2022-08-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-08-19_N_SRF EV_EC1_WS_2022-08-20_N-SRF	2022-08-19 2022-08-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_ECT EV EC1	EV_EC1_WS_2022-08-20_N-SRF EV_EC1_WS_2022-08-21_N-SRF	2022-08-20		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_ECT	EV EC1 WS 2022-08-21 N-SRF	2022-08-21		+	+ -	 	-	-	-	-	-	-	+	-			-
EV_EC1	EV EC1 WS 2022-08-23 N-SRF	2022-08-23	-	-	-	-	-	-	-	-	-	-	-	-	<u> </u>		-
EV_EC1	EV EC1 WS 2022-08-24 N-SRF	2022-08-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-08-25 N-SRF	2022-08-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-26_N-SRF	2022-08-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-27_N-SRF	2022-08-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-28_N-SRF	2022-08-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-29_N-SRF	2022-08-29 - < 0.0	0.000050	0.028	164	0.00013	0.00206	2.71	183	< 0.000010	3.29	0.211	< 0.000010	< 0.00010	< 0.00030	0.00773	< 0.0010
EV_EC1	EV_EC1_WS_2022-08-30_N_SRF	2022-08-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-31_N_SRF	2022-08-31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-01_N-SRF	2022-09-01		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-02_N-SRF	2022-09-02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-03_N-SRF	2022-09-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-04_N-SRF	2022-09-04		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-05_N-SRF	2022-09-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals						
Sample	Sample	Sample Date	lardness	Aluminum		Antimony	Arsenic	Sarium	Beryllium	Sismuth	Soron	Sadmium		Calcium	Chromium	Sobalt	Copper
Location	ID	(mm/dd/yyyy)		mg/l		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L
Location	ID ID	(IIIII/uu/yyyy)	IIIg/L	ilig/i		IIIg/L	IIIg/L	IIIg/L	IIIg/L	IIIg/L	IIIg/L	l lig/L	<u>. </u>	IIIg/L	IIIg/L	IIIg/L	'
				Acute	Chronic							Acute	Chronic				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a	0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Elkview Operation		T				1			1	1		T			1		1
EV_EC1	EV_EC1_WS_2022-09-06_N-SRF	2022-09-06	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-07_N-SRF	2022-09-07	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09_MON_N	2022-09-08	-	0.001	14	0.00024	0.00023	0.0493	< 0.020	< 0.000050	0.014	0.0000	07	199	0.0002	< 0.10	0.00045
EV_EC1	EV_EC1_WS_2022-09-08_N-SRF	2022-09-08	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-09_N-SRF	2022-09-09	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-10_N-SRF	2022-09-10	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-11_N-SRF	2022-09-11	-			-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-12_N-SRF	2022-09-12	-	0.00	1	0.0002	0.00021	0.0434	< 0.020	< 0.000050	0.011	< 0.008	50	189	0.00015	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-09-13_N-SRF	2022-09-13	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-09-14_N-SRF	2022-09-14	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-15_N-SRF	2022-09-15	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-16_N-SRF	2022-09-16	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-17_N-SRF	2022-09-17	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-18_N-SRF	2022-09-18	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-19_N-SRF	2022-09-19	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-20_N-SRF	2022-09-20	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-21_N_SRF	2022-09-21	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-09-22_N-SRF	2022-09-22	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-23_N-SRF	2022-09-23	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-24_N-SRF	2022-09-24	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-25_N-SRF	2022-09-25	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-26_N-SRF	2022-09-26	-	0.00	2	0.00023	0.00025	0.0498	< 0.020	< 0.000050	0.014	0.00000	74	211	0.00018	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-09-27_N-SRF	2022-09-27	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-28_N-SRF	2022-09-28	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-29_N-SRF	2022-09-29	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-30_N-SRF	2022-09-30	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-10-01_N-SRF	2022-10-01	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-10-02_N-SRF	2022-10-02	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-10-03_N-SRF	2022-10-03	-	0.00	2	0.00019	0.0003	0.0476	< 0.020	< 0.000050	0.014	0.00000	74	221	0.00019	< 0.10	< 0.00020
EV_EC1	EV_EC1_WS_2022-10-04_N-SRF	2022-10-04	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-Q4_N	2022-10-05	-	< 0.00	110	0.00021	0.00034	0.046	< 0.020	< 0.000050	0.021	< 0.008	50	230	0.00013	0.00013	< 0.00020
EV_EC1	EV_EC1_WS_2022-10-06_N-SRF	2022-10-06	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-10-17_N-SRF	2022-10-17		< 0.00	-	0.00022	0.00028	0.0374	< 0.040	< 0.000100	0.022	< 0.010		231	< 0.00020	0.0006	< 0.00040
EV_EC1	EV_EC1_WS_2022-10-31_N-SRF	2022-10-31	-	0.00		0.00021	0.00036	0.0368	< 0.020	< 0.000050	0.022	0.00000		228	0.00012	0.00081	< 0.00020
EV_EC1	EV_EC1_WS_2022-11-14_N-SRF	2022-11-14	- T	< 0.00		0.00022	0.00025	0.035	< 0.020	< 0.000050	0.025	0.00001		244	0.00012	0.00104	< 0.00020
EV_EC1	EV_EC1_WS_2022-11_MON_N	2022-11-15	-	< 0.00	10	0.00022	0.00032	0.034	< 0.020	< 0.000050	0.026	0.00000	85	252	< 0.00010	0.00105	< 0.00020
EV_EC1	EV_EC1_WS_2022-11-21_N-SRF	2022-11-21	-	-		-	-	-	-	-	-	-		-	-	-	-
EV_ER4	EV_ER4_WS_2022-Q1_N	2022-01-10	-	0.001		< 0.00010	0.00019	0.0669	< 0.020	< 0.000050	< 0.010	0.00001		64.5			
EV_ER4	EV_ER4_WS_2022-02_MON_N	2022-02-15	-	0.001		< 0.00010	0.00024	0.0761	< 0.020	< 0.000050	< 0.010	0.00001		77.3	0.0002	< 0.00010	
EV_ER4	EV_ER4_WS_2022-03_MON_N	2022-03-15	-	0.074		0.00022	0.00029	0.0806	< 0.020	< 0.000050	< 0.010	0.00006		82.5	0.0071	0.00015	0.00129
EV_ER4	EV_ER4_WS_2022-03_WEK13_N	2022-03-21	-	< 0.00		< 0.00010	0.00017	0.0741	< 0.020	< 0.000050	< 0.010	0.00001		73.9	0.00019	< 0.00010	< 0.00020
EV_ER4	EV_ER4_WS_2022-03_WEK14_N	2022-03-28	-	< 0.00		< 0.00010	0.00019	0.0784	< 0.020	< 0.000050	< 0.010	0.00001		75	0.00019	< 0.10	< 0.00020
EV_ER4	EV_ER4_WS_2022-04_WEK15_N	2022-04-04	-	0.001		< 0.00010	0.00016	0.0787	< 0.020	< 0.000050	< 0.010	0.00001		78.3	0.0002	< 0.10	0.00027
EV_ER4	EV_ER4_WS_2022-Q2_N	2022-04-11	-	< 0.00		< 0.00010	0.00016	0.0745	< 0.020	< 0.000050	< 0.010	0.00001		76.3	0.0002	< 0.10	< 0.00020
EV_ER4	EV_ER4_WS_2022-04_WEK17_N	2022-04-18	-	< 0.00	-	< 0.00010	0.00016	0.079	< 0.020	< 0.000050	< 0.010	< 0.008		77	0.00019	< 0.10	< 0.00020
EV_ER4	EV_ER4_WS_2022-04_WEK18_N	2022-04-25	-	< 0.00		< 0.00010	0.00013	0.0727	< 0.020	< 0.000050	< 0.010	0.00000		76	0.00017	< 0.10	< 0.00020
EV_ER4	EV_ER4_WS_2022-05_MON_N	2022-05-02	-	0.00		< 0.00010	0.00013	0.0722	< 0.020	< 0.000050	< 0.010	0.00001		73.5	0.00018	< 0.10	< 0.00020
EV_ER4	EV_ER4_WS_2022-05_WEK20_N	2022-05-10	-	0.00		< 0.00010	0.00013	0.0621	< 0.020	< 0.000050	< 0.010	0.00001		58.9	0.00014	< 0.10	0.00034
EV_ER4	EV_ER4_WS_2022-05_WEK21_N	2022-05-16	-	0.001		< 0.00010	0.00014	0.0659	< 0.020	< 0.000050	< 0.010	0.00001		65.9	0.0002	< 0.10	< 0.00020
EV ER4	EV ER4 WS 2022-05 WEK22 N	2022-05-24	-	0.001	1	< 0.00010	0.00014	0.0594	< 0.020	< 0.000050	< 0.010	0.00001	68	66.6	0.00018	< 0.10	< 0.00020

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^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissol	ved Metals							
Sample	Sample	Sample Date H	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	r L	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L mg/	. mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		Acute															
BC WQG FWAL		n/a 0.3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation	EV EQ4 WC 2022 00 00 N CDE	1 2022 00 00	<u> </u>	1	1		1	ı	_			1			I		
EV_EC1 EV EC1	EV_EC1_WS_2022-09-06_N-SRF EV_EC1_WS_2022-09-07_N-SRF	2022-09-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_ECT	EV_ECT_WS_2022-09-07_N-SRF EV_ECT_WS_2022-09_MON_N	2022-09-07	0 < 0.000050	0.0265	160	0.00013	0.00208	2.76	186	< 0.000010	3.32	0.186	< 0.000010	< 0.00010	< 0.00030	0.00705	< 0.0010
EV_EC1	EV EC1 WS 2022-09-08 N-SRF	2022-09-08		- 0.0203	-	0.00013	-	-	-	- 0.000010	-	-	- 0.000010	- 0.00010	- 0.00030	-	- 0.0010
EV EC1	EV EC1 WS 2022-09-09 N-SRF	2022-09-09	_	_	_	_	_	_	_	_	_	_	_	_	_		_
EV EC1	EV EC1 WS 2022-09-10 N-SRF	2022-09-10	_	_	_	_	_	_	_	_	_	_	-	-	_	_	_
EV EC1	EV EC1 WS 2022-09-11 N-SRF	2022-09-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-12_N-SRF	2022-09-12 - < 0.0	0 < 0.000050	0.0282	127	0.00011	0.00175	2.44	161	< 0.000010	2.88	0.198	< 0.000010	< 0.00010	< 0.00030	0.00654	0.0014
EV_EC1	EV_EC1_WS_2022-09-13_N-SRF	2022-09-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-09-14_N-SRF	2022-09-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-15_N-SRF	2022-09-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-16_N-SRF	2022-09-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-17_N-SRF	2022-09-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-18_N-SRF	2022-09-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-19_N-SRF	2022-09-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-20_N-SRF	2022-09-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-21_N_SRF	2022-09-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_ 2022-09-22_N-SRF EV_EC1_WS_ 2022-09-23_N-SRF	2022-09-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_ECT_W3_2022-09-23_N-SRF EV_ECT_WS_2022-09-24_N-SRF	2022-09-23		-	-	-	-	-	-		-		- -	-	-		-
EV EC1	EV EC1 WS 2022-09-25 N-SRF	2022-09-25	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
EV EC1	EV EC1 WS 2022-09-26 N-SRF	2022-09-26 - < 0.0			159	0.00011	0.00194	2.94	172	< 0.000010	3.58	0.205	< 0.000010	< 0.00010	< 0.00030	0.00688	0.0062
EV EC1	EV EC1 WS 2022-09-27 N-SRF	2022-09-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-09-28 N-SRF	2022-09-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-29_N-SRF	2022-09-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-30_N-SRF	2022-09-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-10-01_N-SRF	2022-10-01	-	-	-	-	-	-	-	-	ı	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-10-02_N-SRF	2022-10-02	-	-	-	-	-	-	-	-	ı	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-10-03_N-SRF	2022-10-03 - < 0.0	0 < 0.000050	0.0248	144	0.00017	0.00173	2.92	219	< 0.000010	3.33	0.207	< 0.000010	< 0.00010	< 0.00030	0.00689	0.0089
EV_EC1	EV_EC1_WS_2022-10-04_N-SRF	2022-10-04		-	-	-		-	-	-		-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-Q4_N	2022-10-05 - < 0.0		-	161	0.00079	0.00373	3.19	157	< 0.000010	5.4	0.246	0.000015	< 0.00010	< 0.00030	0.00778	< 0.0010
EV_EC1	EV_EC1_WS_2022-10-06_N-SRF	2022-10-06	-	-	-	-	-	-	- 447	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-10-17_N-SRF	2022-10-17 - < 0.0			150	0.0106	0.0095	3.26	117	< 0.000020	5.85	0.289	0.000023	< 0.00020	< 0.00060	0.00854	< 0.0020
EV_EC1 EV EC1	EV_EC1_WS_2022-10-31_N-SRF EV_EC1_WS_2022-11-14_N-SRF	2022-10-31 - < 0.0 2022-11-14 - < 0.0			169 154	0.0146 0.0175	0.0124 0.0142	3.93 3.73	118 122	< 0.000010 < 0.000010	7.4 7.7	0.316 0.328	0.000029 0.000036	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00956 0.0095	0.0084 0.0071
EV_EC1	EV_EC1_WS_2022-11-14_N-SRF EV_EC1_WS_2022-11_MON_N	2022-11-14 - < 0.0		_	150	0.0175	0.0142	3.73	111	< 0.000010	7.7	0.328	0.000036	< 0.00010	< 0.00030	0.0095	< 0.0071
EV_EC1	EV_ECT_WS_2022-11_MON_N EV_ECT_WS_2022-11-21_N-SRF	2022-11-13	- 0.000000	- 0.0030	-	-	-	3.55	- 111	- 0.000010	7.00	-	-	- 0.00010	- 0.00030	-	- 0.0010
EV ER4	EV ER4 WS 2022-Q1 N	2022-01-10 - < 0.0	0 < 0.000050	0.011	23	0.001	< 0.00050	0.794	19.3	< 0.000010	3.29	0.252	< 0.000010	< 0.00010	< 0.00030	0.00135	0.0024
EV ER4	EV ER4 WS 2022-02 MON N	2022-01-10 - < 0.0		_	26.2	0.00136	< 0.00050	0.722	19.6	< 0.000010	3.57	0.265	< 0.000010	< 0.00010	< 0.00030	0.00141	0.0024
EV ER4	EV ER4 WS 2022-03 MON N	2022-03-15 - 0.1		0.0143	26.3	0.0179	0.00153	1.05	18.7	< 0.000010	4.25	0.263	< 0.000010	< 0.00010	0.00102	0.00147	0.124
EV_ER4	EV_ER4_WS_2022-03_WEK13_N	2022-03-21 - < 0.0		0.0132	25.3	0.00128	< 0.00050	0.732	17.6	< 0.000010	3.85	0.261	< 0.000010	< 0.00010	< 0.00030	0.00138	< 0.0010
EV_ER4	EV_ER4_WS_2022-03_WEK14_N	2022-03-28 - < 0.0	0 < 0.000050	0.0132	25.4	0.00192	< 0.00050	0.838	19.9	< 0.000010	3.64	0.257	< 0.000010	< 0.00010	< 0.00030	0.00151	0.0018
EV_ER4	EV_ER4_WS_2022-04_WEK15_N	2022-04-04 - < 0.0			29.9	0.00145	< 0.00050	0.844	20.4	< 0.000010	3.67	0.252	< 0.000010	< 0.00010	< 0.00030	0.0016	0.002
EV_ER4	EV_ER4_WS_2022-Q2_N	2022-04-11 - < 0.0			29.5	0.0012	< 0.00050	0.883	23.1	< 0.000010	3.58	0.24	< 0.000010	< 0.00010	< 0.00030	0.00156	< 0.0010
EV_ER4	EV_ER4_WS_2022-04_WEK17_N	2022-04-18 - < 0.0			27.9	0.00082	0.00063	0.842	23.9	< 0.000010	3.45	0.252	< 0.000010	< 0.00010	< 0.00030	0.00177	< 0.0010
EV_ER4	EV_ER4_WS_2022-04_WEK18_N	2022-04-25 - < 0.0			27.1	0.00099	0.00055	0.826	22.4	< 0.000010	3.12	0.239	< 0.000010	< 0.00010	< 0.00030	0.00164	< 0.0010
EV_ER4	EV_ER4_WS_2022-05_MON_N	2022-05-02 - < 0.0			26.4	0.00111	0.00069	0.79	22	< 0.000010	2.61	0.224	< 0.000010	< 0.00010	< 0.00030	0.00155	< 0.0010
EV_ER4	EV_ER4_WS_2022-05_WEK20_N	2022-05-10 - < 0.0		_	20.3	0.00129	0.00071	0.693	16.4	< 0.000010	2.19	0.206	< 0.000010	< 0.00010	< 0.00030	0.0013	0.0012
EV_ER4	EV_ER4_WS_2022-05_WEK21_N	2022-05-16 - < 0.0			22.6	0.00106	0.00067	0.716	16	< 0.000010	2.42	0.214	< 0.000010	< 0.00010	< 0.00030	0.00137	0.001
EV_ER4	EV_ER4_WS_2022-05_WEK22_N	2022-05-24 - < 0.0	0 < 0.000050	0.0103	22.8	0.00102	0.00066	0.596	15	< 0.000010	2.09	0.198	< 0.000010	< 0.00010	< 0.00030	0.0013	< 0.0010

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissolve	ed Metals					
			ardness	luminum m	ntimony	rsenic	arium	eryllium	ismuth	Boron	admium	Calcium	hromium	Cobalt	opper
Sample	Sample	Sample Date		<u> </u>	₹	₹	<u>m</u>	Ď.	<u> </u>		<u>U</u>	_			Ö
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Acute							Acute				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a 0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Elkview Operation															
EV_ER4	EV_ER4_WS_2022-05_WEK23_N	2022-05-30	-	0.0034	< 0.00010	0.00015	0.0624	< 0.020	< 0.000050	< 0.010	0.0000164	52.3	0.0002	< 0.10	< 0.00020
EV_ER4	EV_ER4_WS_2022-06_MON_N	2022-06-07	-	0.0018	< 0.00010	0.00016	0.0497	< 0.020	< 0.000050	< 0.010	0.0000102	48.1	0.00017	< 0.10	0.0002
EV_ER4	EV_ER4_WS_2022-06_WEK25_N	2022-06-14	-	0.0038	< 0.00010	0.00013	0.0414	< 0.020	< 0.000050	< 0.010	0.0000121	46	0.00018	< 0.10	0.00021
EV_ER4	EV_ER4_WS_2022-06_WEK26_N	2022-06-20	-	0.0045	< 0.00010	0.00019	0.0453	< 0.020	< 0.000050	< 0.010	0.0000108	44.7	0.00014	< 0.10	0.0003
EV_ER4	EV_ER4_WS_2022-06_WEK27_N	2022-06-27	-	0.0032	< 0.00010	0.00016	0.0472	< 0.020	< 0.000050	0.016	0.0000269	50.6	0.00024	< 0.10	0.00027
EV_ER4	EV_ER4_WS_2022-Q3_N	2022-07-04	-	0.0024	< 0.00010	0.00014	0.0444	< 0.020	< 0.000050	< 0.010	0.0000147	46.5	0.00017	< 0.10	0.00032
EV_ER4	EV_ER4_WS_2022-07_WEK29_N	2022-07-11	-	0.0019	< 0.00010	0.00017	0.0461	< 0.020	< 0.000050	< 0.010	0.0000138	47.2	0.00027	< 0.10	< 0.00020
EV_ER4	EV_ER4_WS_2022-08_MON_N	2022-08-08	-	< 0.0010	< 0.00010	0.00018	0.0618	< 0.020	< 0.000050	< 0.010	0.000014	54.7	0.00021	< 0.10	< 0.00020
EV_ER4	EV_ER4_WS_2022-09_MON_N	2022-09-06	-	0.0027	< 0.00010	0.00014	0.0675	< 0.020	< 0.000050	< 0.010	0.0000126	62.3	0.00022	< 0.10	< 0.00020
EV_ER4	EV_ER4_WS_2022-Q4_N	2022-10-03	-	< 0.0010	< 0.00010	0.00019	0.0728	< 0.020	< 0.000050	< 0.010	0.0000172	66	0.00013	< 0.10	0.00036
EV_ER4	EV_ER4_WS_2022-11_MON_N	2022-11-07	-	< 0.0010	< 0.00010	0.00017	0.066	< 0.020	< 0.000050	< 0.010	0.000082	73.9	0.00023	< 0.10	< 0.00020
EV_GC2	EV_GC2_WS_2022-01-02_N	2022-01-02	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-04_N	2022-01-04	-		-	<u> </u>	-	-		-	-	-	<u>-</u>	-	-
EV_GC2	EV_GC2_WS_2022-Q1_N	2022-01-05	-	0.0067	0.0005	0.00015	0.102	< 0.020	< 0.000050	0.022	0.0000713	142	< 0.00010	0.0001	< 0.00020
EV_GC2	EV_GC2_WS_2022-01-06_N_0915	2022-01-06	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-06_N_1209	2022-01-06	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-07_N	2022-01-07	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-08_N	2022-01-08	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-09_N	2022-01-09	-	-	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-14_N	2022-01-14	-	<u>-</u>	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-22_N	2022-01-22	-	-	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-23_N_1306	2022-01-23	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-23_N_1628	2022-01-23	-	<u>-</u>	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-24_N	2022-01-24	-	<u>-</u>	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-25_N	2022-01-25	-	<u>-</u>	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-28_N_1448	2022-01-28	-	<u>-</u>	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-28_N_0816	2022-01-28	-	<u>-</u>	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-01-29_N	2022-01-29	-	<u> </u>	-	-	-	-	-	-	<u>-</u>	-	-	-	-
	EV_GC2_WS_2022-01-30_N	2022-01-30	-	<u> </u>	-	-	-	-	-	-		-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-01-31_N_1332 EV_GC2_WS_2022-01-31_N_1434	2022-01-31 2022-01-31	-		-	-	-	-	-	-		-	-	-	
EV_GC2	EV GC2_WS_2022-01-31_N_1434 EV GC2 WS 2022-01-31 N 1509	2022-01-31	-	<u>-</u>	-	-	-	-	-	-	-	 -	-		-
EV_GC2	EV GC2 WS 2022-01-31 N 1539	2022-01-31	-	-		-	_	-			- -	-	<u>-</u>		-
EV_GC2	EV GC2 WS 2022-01-31 N 1627	2022-01-31	-	<u>-</u>	-			-		-	<u>-</u>	+ -		<u> </u>	-
EV_GC2	EV GC2_WS_2022-01-31_N_1627 EV GC2 WS 2022-01-31 N 1645	2022-01-31		<u>-</u>	-	-	_	-	-	-	-	-			-
EV_GC2	EV GC2 WS 2022-01-31 N 0858	2022-01-31	-		-	-		-		-		+ -	<u>-</u>		-
EV_GC2	EV GC2 WS 2022-01-31 N 1208	2022-01-31			-				_	_	<u>-</u>	+ -			
EV_GC2	EV GC2 WS 2022-01-31 N 1231	2022-01-31		-	-	-	_	-	_	_	_	 -	-		_
EV_GC2	EV GC2 WS 2022-01-31 N 1304	2022-01-31	H-	- -	-	-	-	-	-	-	- -	-	<u>-</u>		_
EV_GC2	EV GC2 WS 2022-02-01 N 1405	2022-02-01	H-	- -	-	-	-	-	-	-	- -	-			-
EV_GC2	EV GC2 WS 2022-02-01 N 1506	2022-02-01	H-I	-	-	-	_	-		-	- -	 -	<u> </u>	<u> </u>	-
EV_GC2	EV GC2 WS 2022-02-01 N 1538	2022-02-01	+-	-	-	-	-	-	-	-	-	-			-
EV_GC2	EV GC2 WS 2022-02-01 N 0744	2022-02-01	+-	<u>-</u>	-	-	_	-	-	-	<u>-</u>	 -	<u>-</u>		-
EV_GC2	EV GC2 WS 2022-02-01 N 0843	2022-02-01	H-I	<u> </u>	-	-	_	-	-	-	- -	 -	<u> </u>	<u> </u>	-
EV_GC2	EV GC2 WS 2022-02-01 N 0933	2022-02-01	-		-	-	_	-	-	-	_	 -	<u> </u>	-	-
EV_GC2	EV GC2 WS 2022-02-01 N 1047	2022-02-01		-	-	-	_	-	-	-	- -	+ -	<u> </u>		-
EV_GC2	EV GC2 WS 2022-02-01 N 1204	2022-02-01	-	-	-	-	_	_		-	_	+ -	<u>-</u>		_
EV_GC2	EV GC2 WS 2022-02-01_N_1204	2022-02-01			-	-	_	_	_	-		 -		-	_
EV_GC2	EV GC2 WS 2022-02-02 N 1605	2022-02-02		-	-	-	_	_	-	-		 -			_
EV_GC2	EV GC2 WS 2022-02-02 N 0759	2022-02-02			-	-	_	-	_	-		-	-		_
21_002		2022-02-02		_	1		·		_		_				

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

		ſ								Dissol	ved Metals							
Sample	Sample	Sample Date	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation EV ER4	EV ER4 WS 2022-05 WEK23 N	2022-05-30 -	< 0.010	< 0.000050	0.0079	24	0.00191	0.00057	0.695	11.0	< 0.000010	1.00	0.202	< 0.000010	< 0.00010	< 0.00030	0.00116	< 0.0010
EV_ER4	EV ER4 WS 2022-06 MON N	2022-03-30 -	< 0.010	< 0.000050	0.0079	21 15.8	0.00191	0.00057	0.093	11.9 8.08	< 0.000010	1.88 1.29	0.202	< 0.000010	< 0.00010	< 0.00030	0.00116	< 0.0010
EV ER4	EV_ER4_WS_2022-06_MON_N EV_ER4_WS_2022-06_WEK25_N	2022-06-14 -	< 0.010	< 0.000050	0.0055	13.6	0.00183	< 0.00050	0.551	7.46	< 0.000010	1.18	0.154	< 0.000010	< 0.00010	< 0.00030	0.000970	< 0.0010
EV ER4	EV ER4 WS 2022-06 WEK26 N	2022-06-20 -	< 0.010	< 0.000050	0.006	14.1	0.00235	0.00058	0.675	6.96	< 0.000010	1.13	0.141	< 0.000010	< 0.00010	< 0.00030	0.000912	0.0014
EV ER4	EV ER4 WS 2022-06 WEK27 N	2022-06-27 -	< 0.010	< 0.000050	0.0075	15	0.00244	0.00062	0.618	8.41	< 0.000010	1.42	0.163	< 0.000010	< 0.00010	< 0.00030	0.000968	0.0036
EV_ER4	EV_ER4_WS_2022-Q3_N	2022-07-04 -	< 0.010	< 0.000050	0.0065	14.4	0.00186	0.00081	0.524	7.67	< 0.000010	1.23	0.163	< 0.000010	< 0.00010	< 0.00030	0.000876	< 0.0010
EV_ER4	EV_ER4_WS_2022-07_WEK29_N	2022-07-11 -	< 0.010	< 0.000050	0.0065	14.1	0.00251	0.00062	0.547	7.13	< 0.000010	1.33	0.168	< 0.000010	< 0.00010	< 0.00030	0.000972	0.0013
EV_ER4	EV_ER4_WS_2022-08_MON_N	2022-08-08 -	< 0.010	< 0.000050	0.009	18.4	0.00247	0.00051	0.64	9.73	< 0.000010	1.75	0.211	< 0.000010	< 0.00010	< 0.00030	0.00112	< 0.0010
EV_ER4	EV_ER4_WS_2022-09_MON_N	2022-09-06 -	< 0.010	< 0.000050	0.0096	21.2	0.00176	< 0.00050	0.624	12.2	< 0.000010	2.18	0.245	< 0.000010	< 0.00010	< 0.00030	0.00108	< 0.0010
EV_ER4	EV_ER4_WS_2022-Q4_N	2022-10-03 -	< 0.010	< 0.000050	0.0118	22.6	0.00124	< 0.00050	0.734	15.4	< 0.000010	2.59	0.254	< 0.000010	< 0.00010	< 0.00030	0.00123	< 0.0010
EV_ER4	EV_ER4_WS_2022-11_MON_N	2022-11-07 -	< 0.010	< 0.000050	0.0118	23.6	0.00123	< 0.00050	0.674	16	< 0.000010	2.89	0.253	< 0.000010	< 0.00010	< 0.00030	0.00129	< 0.0010
EV_GC2	EV_GC2_WS_2022-01-02_N	2022-01-02 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-04_N	2022-01-04 -			- 0.0000	- 70.4	- 0.0000	- 0.00404	- 0.07	-		- 0.44	- 0.400			-	-	- 0.0040
EV_GC2 EV GC2	EV_GC2_WS_2022-Q1_N	2022-01-05 -	< 0.010	< 0.000050	0.0282	70.1	0.0092	0.00134	2.07	90.6	< 0.000010	8.11	0.408	< 0.000010	< 0.00010	< 0.00030	0.0038	0.0018
EV_GC2	EV_GC2_WS_2022-01-06_N_0915 EV_GC2_WS_2022-01-06_N_1209	2022-01-06 - 2022-01-06 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-01-00 N 1209	2022-01-00 -	-	-	<u> </u>	-	-	-		-	-		-	-	-	-		-
EV_GC2	EV GC2 WS 2022-01-07 N	2022-01-07 -		_	<u> </u>			_			_			-	-	_		_
EV GC2	EV GC2 WS 2022-01-09 N	2022-01-09 -	-	_	-	_	_	_	_	-	_	_	_	_	_	_	_	_
EV GC2	EV GC2 WS 2022-01-14 N	2022-01-14 -	-	_	_	-	_	_	_	_	_	-	_	_	_	_	_	_
EV GC2	EV GC2 WS 2022-01-22 N	2022-01-22 -	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-23_N_1306	2022-01-23 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-23_N_1628	2022-01-23 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-24_N	2022-01-24 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-25_N	2022-01-25 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-28_N_1448	2022-01-28 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-28_N_0816	2022-01-28 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-29_N	2022-01-29 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-01-30_N EV_GC2_WS_2022-01-31_N_1332	2022-01-30 - 2022-01-31 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1332 EV_GC2_WS_2022-01-31_N_1434	2022-01-31 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1434 EV_GC2_WS_2022-01-31_N_1509	2022-01-31 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-01-31 N 1539	2022-01-31 -			<u>-</u>	-	-			-	-	-		-				-
EV_GC2	EV GC2 WS 2022-01-31 N 1627	2022-01-31 -	-	_	-	-	-	_	_	-	_	_	_	-	_	-		_
EV GC2	EV GC2 WS 2022-01-31 N 1645	2022-01-31 -	-	_	-	-	-	_	-	-	-	-	_	-	_	-	_	
EV_GC2	EV_GC2_WS_2022-01-31_N_0858	2022-01-31 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1208	2022-01-31 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1231	2022-01-31 -	i	-	-		-	_	-	-	-	-	-	-	-	-	-	
EV_GC2	EV_GC2_WS_2022-02-01_N_1304	2022-02-01 -	•	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1405	2022-02-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1506	2022-02-01 -	ı	-	-	-	-	-	-	-	-	•	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1538	2022-02-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_0744	2022-02-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_0843	2022-02-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_0933	2022-02-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1047	2022-02-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1204	2022-02-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-02_N_1508 EV_GC2_WS_2022-02-02_N_1605	2022-02-02 - 2022-02-02 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-02-02 N 0759	2022-02-02 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
Lv_GC2	Lv_GOZ_vv3_Z0ZZ-0Z-0Z_IN_0/39	2022-02-02	-		<u>-</u>		<u> </u>			-		<u>-</u>	<u> </u>				<u> </u>	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissolve	ed Metals					
Sample	Sample	Sample Date	_	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Acute							Acute				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a 0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Elkview Operation						1						1	1		
EV_GC2	EV_GC2_WS_2022-02-02_N_1135	2022-02-02	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-02_N_1250	2022-02-02	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-03_N_1334	2022-02-03	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-03_N_1434	2022-02-03	-	-	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-03_N_1557	2022-02-03	-	-	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-03_N_0725 EV GC2 WS 2022-02-03 N 0840	2022-02-03	-	<u>-</u>	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2	EV GC2 WS 2022-02-03 N 1000	2022-02-03	-	<u> </u>	-	-	-	-	-	-	<u> </u>	+	-	-	-
EV_GC2	EV GC2 WS 2022-02-03 N 1101	2022-02-03	- -	<u>-</u>	-	-	-	-	-	-	-	+ -	-	-	-
EV GC2	EV GC2 WS 2022-02-04 N 1336	2022-02-03	-	<u> </u>	-	-	-	-	-		-	+-		_	-
EV GC2	EV GC2 WS 2022-02-04 N 1421	2022-02-04			-	-	-	_		_		1	_	_	-
EV GC2	EV GC2 WS 2022-02-04 N 0757	2022-02-04	_	-	_	_	_	_	_	_	-	_	_	_	-
EV GC2	EV GC2 WS 2022-02-04 N 1054	2022-02-04	-	-	_	-	-	_	_	_	-	-	_	_	-
EV GC2	EV GC2 WS 2022-02-04 N 1236	2022-02-04	-	-	-	_	-	-	_	_	-	_	_	-	-
EV GC2	EV GC2 WS 2022-02-05 N	2022-02-05	-	-	-	_	-	-	_	_	-	_	_	-	-
EV GC2	EV GC2 WS 2022-02 MON N	2022-02-07	-	0.0074	0.00051	0.00017	0.104	< 0.020	< 0.000050	0.027	0.0000364	129	< 0.00010	0.00014	0.00023
EV GC2	EV GC2 WS 2022-02-08 N	2022-02-08	-	0.0087	0.00065	0.00018	0.114	< 0.020	< 0.000050	0.026	0.0000294	128	< 0.00010	0.00018	< 0.00020
EV GC2	EV GC2 WS 2022-02-09 N	2022-02-09	-	0.0096	0.00059	0.0002	0.105	< 0.020	< 0.000050	0.024	0.0000262	129	< 0.00010	0.00016	< 0.00020
EV_GC2	EV_GC2_WS_2022-02-10_N_1330	2022-02-10	-	0.0069	0.00059	0.00018	0.108	< 0.020	< 0.000050	0.026	0.0000408	127	< 0.00010	0.00019	0.00023
EV_GC2	EV_GC2_WS_2022-02-10_N_1722	2022-02-10	-	-	-	-	-	-	-	-	=	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-10_N_0925	2022-02-10	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-10_N_1005	2022-02-10	-	0.0077	0.0006	0.00021	0.106	< 0.020	< 0.000050	0.027	0.000039	128	0.00012	0.00021	0.00033
EV_GC2	EV_GC2_WS_2022-02-11_N	2022-02-11	-	0.0193	0.00062	0.00019	0.0978	< 0.020	< 0.000050	0.027	< 0.0050	113	< 0.00010	0.00019	0.00026
EV_GC2	EV_GC2_WS_2022-02-13_N	2022-02-13	-	0.0159	0.00052	0.00025	0.116	< 0.020	< 0.000050	0.027	0.0000676	117	< 0.00010	0.00018	0.00034
EV_GC2	EV_GC2_WS_2022-02-14_N_1522	2022-02-14	-	0.015	0.00046	0.00022	0.118	< 0.020	< 0.000050	0.027	0.0000614	120	< 0.00010	0.00017	0.00041
EV_GC2	EV_GC2_WS_2022-02-14_N_1210	2022-02-14	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-15_N_1403	2022-02-15	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-15_N_0759	2022-02-15	-	-	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-16_N_1330	2022-02-16	-	-	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-16_N_0750 EV_GC2_WS_2022-02-17_N_0820	2022-02-16	-	<u>-</u>	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-17_N_0820 EV GC2 WS 2022-02-17 N 1222	2022-02-17 2022-02-17	-	<u>-</u>	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2	EV GC2 WS 2022-02-17 N 1354	2022-02-17	-	<u> </u>	-	-	-	-	-	-		+ -		-	-
EV_GC2	EV GC2 WS 2022-02-16 N 0745	2022-02-18	-	-	-	-	-	-	-	-	-	+-		-	-
EV GC2	EV GC2 WS 2022-02-19 N	2022-02-10	+ -	<u> </u>	-	-	-	-	 	- -	-	+-			-
EV GC2	EV GC2 WS 2022-02-19 N 1509	2022-02-19	-	-	-	-	-	-	-	-	-	+ -		-	-
EV_GC2	EV GC2 WS 2022-02-20 N 0900	2022-02-20		-	-	-	-	-	-	_	-	-	_	-	_
EV GC2	EV GC2 WS 2022-02-22 N 1338	2022-02-22		-	-	-	-	_	-	-	-	-	_	-	-
EV GC2	EV GC2 WS 2022-02-22 N 0738	2022-02-22		-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-23_N_0724	2022-02-23		-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-23_N_1207	2022-02-23		-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-24_N_1325	2022-02-24	_	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-24_N_0726	2022-02-24		-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-25_N_1435	2022-02-25		-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-25_N_0740	2022-02-25		-	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-26_N_1457	2022-02-26		-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-26_N_0803	2022-02-26		-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-27_N_1421	2022-02-27		-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-27_N_0932	2022-02-27		-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-28_N_1412	2022-02-28	-	-	-	-	-	-	-	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissol	ved Metals							
Sample	Sample	Sample Date Hardness	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation	EV 000 MO 0000 00 00 N 4405			1				1	ı	ı				1		1		
EV_GC2	EV_GC2_WS_2022-02-02_N_1135	2022-02-02 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-02_N_1250	2022-02-02 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-03_N_1334 EV_GC2_WS_2022-02-03_N_1434	2022-02-03 - 2022-02-03 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-02-03 N 1557	2022-02-03 -			-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-02-03 N 0725	2022-02-03 -	<u> </u>	-	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-03_N_0725 EV GC2 WS 2022-02-03 N 0840	2022-02-03 -	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-02-03 N 1000	2022-02-03 -	<u> </u>	-	<u> </u>	-		-	-	-	-	-	-	-	-	-		-
EV_GC2	EV GC2 WS 2022-02-03 N 1101	2022-02-03 -		-		-		-	-	-	-	-		-	-	-		-
EV_GC2	EV GC2 WS 2022-02-04 N 1336	2022-02-03 -		-		-			-	-	-			-	-	-		-
EV_GC2	EV GC2 WS 2022-02-04 N 1421	2022-02-04 -		-					-	-	-	-		-	-	-		-
EV_GC2	EV GC2 WS 2022-02-04 N 0757	2022-02-04 -		-		-		-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-02-04 N 1054	2022-02-04 -		-	-	-	_	_	_	_	-	_	_	_	-	-	-	-
EV GC2	EV GC2 WS 2022-02-04 N 1236	2022-02-04 -	_	_	-	-	_	_	_	-	_	_	_	_	_	-	_	_
EV GC2	EV GC2 WS 2022-02-05 N	2022-02-05 -		_		_	<u> </u>	_	_	_	_		_	_	_	_		_
EV GC2	EV GC2 WS 2022-02 MON N	2022-02-07 -	< 0.010	< 0.000050	0.0316	69	0.0103	0.00125	1.95	74.7	< 0.000010	9.48	0.425	< 0.000010	< 0.00010	< 0.00030	0.00339	0.0012
EV GC2	EV GC2 WS 2022-02-08 N	2022-02-08 -	< 0.010	< 0.000050	0.0321	73	0.0154	0.00133	1.89	84.6	< 0.000010	9.21	0.468	< 0.000010	< 0.00010	< 0.00030	0.00348	0.0011
EV GC2	EV GC2 WS 2022-02-09 N	2022-02-09 -	< 0.010	< 0.000050	0.0296	69.5	0.0131	0.001	1.86	85.2	< 0.000010	9.05	0.43	< 0.000010	< 0.00010	< 0.00030	0.00356	< 0.0010
EV GC2	EV GC2 WS 2022-02-10 N 1330	2022-02-10 -	< 0.010	< 0.000050	0.0296	67.8	0.012	0.00134	2	82.3	< 0.000010	9.55	0.472	< 0.000010	< 0.00010	< 0.00030	0.00359	0.0016
EV GC2	EV GC2 WS 2022-02-10 N 1722	2022-02-10 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-02-10 N 0925	2022-02-10 -	_	_	_	_	_	_	_	_	_	_	_	_	-	-	-	-
EV GC2	EV GC2 WS 2022-02-10 N 1005	2022-02-10 -	< 0.010	< 0.000050	0.0306	69.9	0.0127	0.00145	2.05	84.5	< 0.000010	9.74	0.45	< 0.000010	< 0.00010	< 0.00030	0.00358	0.0016
EV GC2	EV GC2 WS 2022-02-11 N	2022-02-11 -	< 0.010	< 0.000050	0.0298	63.2	0.00597	0.00138	2.12	75.5	< 0.000010	10.9	0.456	< 0.000010	< 0.00010	< 0.00030	0.0027	< 0.0010
EV GC2	EV GC2 WS 2022-02-13 N	2022-02-13 -	< 0.010	< 0.000050	0.0295	61.5	0.011	0.00141	2.06	75.3	< 0.000010	10.4	0.453	< 0.000010	< 0.00010	< 0.00030	0.0031	0.0016
EV_GC2	EV_GC2_WS_2022-02-14_N_1522	2022-02-14 -	< 0.010	< 0.000050	0.0287	60.1	0.0107	0.00146	2.01	72.3	< 0.000010	10	0.443	< 0.000010	< 0.00010	< 0.00030	0.003	0.0014
EV_GC2	EV_GC2_WS_2022-02-14_N_1210	2022-02-14 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-15_N_1403	2022-02-15 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-15_N_0759	2022-02-15 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-16_N_1330	2022-02-16 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-16_N_0750	2022-02-16 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-17_N_0820	2022-02-17 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-17_N_1222	2022-02-17 -	-	-	-	-	-	-	-	-	-	•	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-18_N_1354	2022-02-18 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-18_N_0745	2022-02-18 -	-	-	-	-	-	-	-	-	-	•	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-19_N	2022-02-19 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-20_N_1509	2022-02-20 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EV_GC2	EV_GC2_WS_2022-02-20_N_0900	2022-02-20 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EV_GC2	EV_GC2_WS_2022-02-22_N_1338	2022-02-22 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-22_N_0738	2022-02-22 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-23_N_0724	2022-02-23 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-23_N_1207	2022-02-23 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-24_N_1325	2022-02-24 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-24_N_0726	2022-02-24 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-25_N_1435	2022-02-25 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-25_N_0740	2022-02-25 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-26_N_1457 EV_GC2_WS_2022-02-26_N_0803	2022-02-26 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2		2022-02-26 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-27_N_1421 EV_GC2_WS_2022-02-27_N_0932	2022-02-27 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2		2022-02-27 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-28_N_1412	2022-02-28 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissolv	ed Metals					
Sample Location	Sample ID	Sample Date		Muminum Muminum	mg/L	mg/L	mg/L	mg/L	Bismuth mg/L	c o o mg/L	Cad min ma/L	Calcinm Calcinm	Chromiu Chromiu	Cobalt mg/L	Copper mg/L
Location	טו	(IIIIII/dd/yyyy)	IIIg/L		mg/L	ilig/L	ilig/L	mg/L	IIIg/L	mg/L	<u></u>	IIIg/L	mg/L	mg/L	
				Acute							Acute				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a 0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Elkview Operation					1									, ,	
EV_GC2	EV_GC2_WS_2022-02-28_N_0740	2022-02-28	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-01_N_1413	2022-03-01	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-01_N_1750	2022-03-01	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-03-01_N_0723	2022-03-01	-	-	-	-	-	-	-	-		-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-02_N_1310 EV_GC2_WS_2022-03-02_N_0830	2022-03-02 2022-03-02		<u> </u>	-	-	-	-	-	-	<u> </u>	-	-	-	-
EV_GC2	EV GC2 WS 2022-03-03 N 1310	2022-03-02	- 1	<u>-</u>	-	-	-	-	-	-	<u>-</u>	+ -	-	-	-
EV_GC2	EV GC2 WS 2022-03-03 N 0735	2022-03-03	 	<u> </u>	-	-	-	-	-	-	<u> </u>	-	<u> </u>	-	-
EV_GC2	EV GC2 WS 2022-03-04 N 1316	2022-03-04	 	<u> </u>	-	-	-	-	-	-	<u> </u>	+ -	<u> </u>	-	-
EV_GC2	EV GC2 WS 2022-03-04 N 0751	2022-03-04		<u> </u>		-	-	-	<u> </u>	-	<u> </u>	+-		-	
EV_GC2	EV GC2 WS 2022-03-04 N 0751 EV GC2 WS 2022-03-05 N 1357	2022-03-04		<u> </u>		-	-	-	-	-	<u> </u>	-	<u> </u>	-	-
EV_GC2	EV GC2 WS 2022-03-05 N 0755	2022-03-05	1	<u> </u>	 	-	-	-	 -	 	<u> </u>	+ -		-	
EV GC2	EV GC2 WS 2022-03-06 N 1437	2022-03-06		<u> </u>	-	-	_	-	_	_		-	_	_	_
EV GC2	EV GC2 WS 2022-03-06 N 0725	2022-03-06	_	-	_	_	_	_	_	_	-	-		-	_
EV GC2	EV GC2 WS 2022-03-07 N 0735	2022-03-07	_	-	_	_	_	_	_	_				_	_
EV GC2	EV GC2 WS 2022-03-11 N	2022-03-11	-	0.0078	0.00049	0.0002	0.106	< 0.020	< 0.000050	0.026	0.000696	128	< 0.00010	0.00013	0.00055
EV GC2	EV GC2 WS 2022-03-16 N	2022-03-16	- 1	0.0074	0.0005	0.00017	0.0874	< 0.020	< 0.000050	0.028	0.0000592	114	< 0.00010	0.00022	0.00035
EV GC2	EV GC2 WS 2022-03-16 N 0005	2022-03-16	_	-	-	- 0.00017	- 0.0074	- 0.020	- 0.000000	- 0.020	-			0.00022	-
EV GC2	EV GC2 WS 2022-03 MON N	2022-03-17	- 1	0.0144	0.00041	0.00016	0.107	< 0.020	< 0.000050	0.027	0.000558	107	< 0.00010	0.00017	0.00035
EV GC2	EV MC6 WS 2022-03 MON N	2022-03-17	-	0.0145	0.0004	0.00018	0.105	< 0.020	< 0.000050	0.027	0.000636	110	0.00012	0.00017	0.00038
EV GC2	EV MC8 WS 2022-03 MON N	2022-03-17	-	< 0.0010	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00020
EV GC2	EV GC2 WS 2022-03 WEK13 N	2022-03-21	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-03-24 N 0634	2022-03-24	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-03-24 N 1115	2022-03-24	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-24_N_1251	2022-03-24	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-25_N_0645	2022-03-25	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-26_N_1401	2022-03-26	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-26_N_1557	2022-03-26	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-26_N_0752	2022-03-26	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-27_N	2022-03-27	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03_WEK14_N	2022-03-28	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-28_N_0707	2022-03-28	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-29_N_1543	2022-03-29	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-29_N_0750	2022-03-29	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-30_N_1602	2022-03-30	-	<u>-</u>	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-30_N_0728	2022-03-30	-	<u>-</u>	-	-	-	-	-	-	<u> </u>	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-31_N_1357	2022-03-31	-	-	-	-	-	-	-	-	-	-	-	-	
EV_GC2	EV_GC2_WS_2022-03-31_N_0754	2022-03-31	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-31_N_1210	2022-03-31	-	-	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04-01_N_1457	2022-04-01	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04-01_N_1556	2022-04-01	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04-01_N_0743	2022-04-01	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04-02_N_1554	2022-04-02	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04-02_N_0807	2022-04-02	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-04_WEK15_N EV_GC2_WS_2022-Q2_N	2022-04-04 2022-04-12	-	0.0131	0.00032	0.00021	0.139	< 0.020	< 0.000050	0.024	0.0000628	102	< 0.00010	0.0001	< 0.00060
EV_GC2 EV_GC2	EV_GC2_WS_2022-Q2_N EV_GC2_WS_2022-04_WEK17_N	2022-04-12			0.00032	0.00021	0.139	< 0.020	< 0.000050	0.024	0.0000628	103	< 0.00010	0.0001	< 0.00060
EV_GC2	EV GC2 WS 2022-04 WEK17 N EV GC2 WS 2022-04 WEK18 N	2022-04-18	-	<u>-</u>	-				-	-	<u>-</u>	-		-	-
EV_GC2	EV GC2 WS 2022-04_WEK18_N EV GC2 WS 2022-04-25 N 0757	2022-04-25		<u> </u>		-	-	-	-	-	<u> </u>	+-	-	-	-
EV_GC2	EV_GC2_WS_2022-04-25_N_0757 EV_GC2_WS_2022-05_MON_N	2022-04-25		0.0182	0.00031	0.00018	0.124	< 0.020	< 0.000050	0.022	0.000359		< 0.00010		0.00042
LV_GG2	L v _ G G Z _ v v G _ Z U Z Z = U G _ I V I O I V _ I V	2022-00-00	لـــًـا	0.0102	0.00031	0.00010	0.124	· 0.020	· 0.000000	0.022	0.000003	31.2	· 0.00010	` 0.10	0.00042

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

		ſ								Dissolv	ed Metals							
Sample	Sample	Sample Date	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	lD ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation	5V 000 W0 0000 00 N 0740	1 0000 00 00 1		ı			1	1	T	ı	1		1	1	1	ı		
EV_GC2	EV_GC2_WS_2022-02-28_N_0740	2022-02-28 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-01_N_1413	2022-03-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-01_N_1750	2022-03-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-01_N_0723	2022-03-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-03-02_N_1310	2022-03-02 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EV_GC2_WS_2022-03-02_N_0830	2022-03-02 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-03-03_N_1310 EV_GC2_WS_2022-03-03_N_0735	2022-03-03 - 2022-03-03 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-03-03 N 0735 EV GC2 WS 2022-03-04 N 1316	2022-03-03 -	<u> </u>	-	<u> </u>		-	_	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-04_N_1316 EV_GC2_WS_2022-03-04_N_0751			+		-					-	-		+			-	+
EV_GC2	EV GC2 WS 2022-03-04 N 0751 EV GC2 WS 2022-03-05 N 1357	2022-03-04 - 2022-03-05 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-05_N_1337 EV_GC2_WS_2022-03-05_N_0755	2022-03-05 -	<u> </u>	-		-		-	-	-	-	-		-	-	-		-
EV_GC2	EV_GC2_WS_2022-03-05_N_0733 EV_GC2_WS_2022-03-06_N_1437	2022-03-06 -		-	-	-	_	_	-	-	-	-	_	-	-	_	-	-
EV_GC2	EV GC2 WS 2022-03-06 N 0725	2022-03-06 -		+		 					1	-			1			+
EV_GC2	EV GC2 WS 2022-03-00 N 0725 EV GC2 WS 2022-03-07 N 0735	2022-03-07 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-03-11 N	2022-03-07 -	< 0.010	< 0.000050	0.0284	64.6	0.0104	0.00132	1.95	72.6	< 0.000010	11.2	0.552	< 0.000010	< 0.00010	< 0.00030	0.00311	0.0024
EV_GC2	EV GC2 WS 2022-03-11 N	2022-03-11 -	< 0.010	< 0.000050	0.0268	50.5	0.0104	0.00132	2.07	52.9	< 0.000010	10.6	0.496	< 0.000010	< 0.00010	< 0.00030	0.00311	0.0024
EV_GC2	EV GC2 WS 2022-03-16 N 0005	2022-03-16 -	- 0.010	- 0.000030	0.0206	-	0.0120	0.00122	-	52.9	- 0.000010	-	0.490	- 0.000010	- 0.00010	- 0.00030	0.00254	0.0011
EV_GC2	EV GC2 WS 2022-03-10 N 0003	2022-03-10 -	< 0.010	< 0.000050	0.0277	52.5	0.0127	0.00125	1.94	54.4	< 0.000010	11.4	0.491	< 0.000010	< 0.00010	< 0.00030	0.00256	0.0014
EV_GC2	EV MC6 WS 2022-03 MON N	2022-03-17 -	< 0.010	< 0.000050	0.0277	54	0.0124	0.00123	1.94	53	< 0.000010	11.2	0.487	< 0.000010	< 0.00010	< 0.00030	0.00256	0.0015
EV_GC2	EV MC8 WS 2022-03 MON N	2022-03-17 -	< 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.00230	< 0.0010
EV GC2	EV GC2 WS 2022-03 WEK13 N	2022-03-17 -	-	-	- 0.0010	- 0.0000	- 0.00010	- 0.00000		- 0.000	- 0.000010	- 0.000	- 0.00020			- 0.00000	- 0.000010	- 0.0010
EV GC2	EV GC2 WS 2022-03-24 N 0634	2022-03-24 -	-	_	_	-	_	-	_	_	_	-	_	_	_	_	_	-
EV GC2	EV GC2 WS 2022-03-24 N 1115	2022-03-24 -	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_
EV GC2	EV GC2 WS 2022-03-24 N 1251	2022-03-24 -	_	_	_	-	_	_	_	_	_	_	_	_	-	_	_	-
EV GC2	EV GC2 WS 2022-03-25 N 0645	2022-03-25 -	_	_	_	_	_	_	_	_	_	-	_	_	-	_	-	-
EV GC2	EV GC2 WS 2022-03-26 N 1401	2022-03-26 -	-	_	-	-	_	-	_	_	_	-	_	_	-	_	-	-
EV GC2	EV GC2 WS 2022-03-26 N 1557	2022-03-26 -	_	_	_	_	-	_	_	_	_	-	_	_	_	_	_	_
EV GC2	EV GC2 WS 2022-03-26 N 0752	2022-03-26 -	-	_	_	-	_	_	_	_	_	-	_	_	_	_	-	-
EV GC2	EV GC2 WS 2022-03-27 N	2022-03-27 -	-	-	_	_	_	-	_	_	_	-	_	_	_	_	_	_
EV GC2	EV GC2 WS 2022-03 WEK14 N	2022-03-28 -	_	_	_	_	-	_	_	_	_	-	_	_	_	_	_	_
EV GC2	EV GC2 WS 2022-03-28 N 0707	2022-03-28 -	_	_	_	_	-	_	_	_	_	-	_	_	_	_	_	_
EV GC2	EV GC2 WS 2022-03-29 N 1543	2022-03-29 -	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_
EV GC2	EV GC2 WS 2022-03-29 N 0750	2022-03-29 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-03-30 N 1602	2022-03-30 -	-	-	-	-	_	-	-	_	_	_	-	_	-	-	_	_
EV GC2	EV GC2 WS 2022-03-30 N 0728	2022-03-30 -	-	_	-	-	-	-	-	-	-	-	-	-	-	-	-	_
EV GC2	EV GC2 WS 2022-03-31 N 1357	2022-03-31 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_
EV GC2	EV GC2 WS 2022-03-31 N 0754	2022-03-31 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_
EV GC2	EV GC2 WS 2022-03-31 N 1210	2022-03-31 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-04-01 N 1457	2022-04-01 -	-	-	_	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04-01_N_1556	2022-04-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-04-01 N 0743	2022-04-01 -	-	-	_	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-04-02 N 1554	2022-04-02 -	-	-	_	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04-02_N_0807	2022-04-02 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04_WEK15_N	2022-04-04 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-Q2_N	2022-04-12 -	< 0.010	< 0.000050	0.0216	49.6	0.00756	0.00112	1.74	43.1	< 0.000010	8.56	0.461	< 0.000010	< 0.00010	< 0.00030	0.00228	0.0014
EV_GC2	EV_GC2_WS_2022-04_WEK17_N	2022-04-18 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04_WEK18_N	2022-04-25 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04-25_N_0757	2022-04-25 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05_MON_N	2022-05-05 -	< 0.010	< 0.000050	0.0201	46.7	0.00458	0.00098	1.54	50.2	< 0.000010	6.88	0.367	< 0.000010	< 0.00010	< 0.00030	0.00214	< 0.0010
		,	0.0				2.20.00				2.2000.0	2.00				2.30000		

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

EV GC2			
Sample Sample Sample Date F	1		
Sample Sample Sample Date F	E	mium #	
Sample S	Ē #	ä ä	at ber
Control Cont	ਮੂਜ ਕੂਰ	op Pro	g g
BC WGG FWAL			<u> </u>
S WOG PWAL	g/L mg/L	mg/L mg/L	
Elview Persiden			lte
ENVISED PSY INC. EV GC2 EV MGS WS 2022-05 MON N 2022-05-05 0.0246 0.000033 0.0002 0.123 0.000050 0.022 0.0000092 98 0.0000000 0.0000000 0.0000000 0.0000000			Acu
Elview Operation Pey GC2	n/a n/a	n/a n/a	
EY GC2			
EV GC2	00010 < 0.10	< 0.00010 < 0.10	0.10 0.00066
EV GC2	00010 < 0.10	< 0.00010 < 0.10	0.10 < 0.0002
EV GC2			
EV GC2 EV GC2 WS 2022-05 WEK23 N 2022-05-24			
EV GC2			
EV GC2			+
EV GC2			
EV_GC2	+		
EV_GC2			
EV GC2			
EV_GC2			
EV_GC2 EV_GC2_WS_2022-06-20_N_0730 2022-06-20 - </td <td></td> <td></td> <td></td>			
EV_GC2 EV_GC2_WS_2022-06-21_N 2022-06-21 0.0203 0.00037 0.00026 0.16 < 0.020 < 0.000050 0.025 0.0000275 108 EV_GC2 EV_GC2_WS_2022-06_NP 2022-06-22 - 0.0176 0.00034 0.00023 0.14 < 0.000020	0.00014	< 0.00010 0.0001	0.00059
EV_GC2 EV_GC2 WS_2022-06 NP 2022-06-22 - 0.0176 0.00034 0.00023 0.14 < 0.000020 < 0.00050 0.025 0.000197 107 EV_GC2 EV_GC2_WS_2022-06_WEK27_N 2022-06-27 - </td <td></td> <td></td> <td></td>			
EV GC2 EV GC2 WS 2022-06 WEK27 N 2022-06-27 -			
EV_GC2 EV_GC2_WS_2022-07-05_N 2022-07-05 0.0208 0.00044 0.00026 0.176 < 0.020 < 0.00050 0.025 0.000402 106 < EV_GC2 EV_GC2_WS_2022-03_N 2022-07-06 - 0.0237 0.00041 0.00025 0.139 < 0.020 < 0.00050 0.024 0.000032 111 < EV_GC2_WS_2022-07_WEK29_N 2022-07-11 -	00050 0.00012		
EV_GC2 EV_GC2_WS_2022-Q3_N 2022-07-06 - 0.0237 0.00041 0.00025 0.139 < 0.020 < 0.00050 0.024 0.0000332 111 EV_GC2 EV_GC2_WS_2022-07_WEK29_N 2022-07-11 - <td></td> <td></td> <td></td>			
EV_GC2 EV_GC2_WS_2022-08_MON_N 2022-08-10 - 0.0298 0.00036 0.00018 0.0968 < 0.020 < 0.00050 0.019 0.000095 122 < EV_GC2 EV_GC2_WS_2022-09_MON_N 2022-09-07 - 0.0088 0.0004 0.0016 0.0952 < 0.020			
EV_GC2 EV_GC2_WS_2022-09_MON_N 2022-09-07 - 0.0088 0.0004 0.0016 0.0952 < 0.020 < 0.00050 0.050 < 0.0050 118 < EV_GC2 EV_GC2_WS_2022-Q4_N 2022-10-05 - 0.012 0.0004 0.00019 0.0849 < 0.020			
EV_GC2			

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	red Metals							
Sample	Sample	Sample Date	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation	EV MOO MO 0000 05 MON N	0000 05 05	0.040	. 0 000050	0.0400	10.7	0.00500	0.00404	4.50	40.0	. 0 000040	0.00	0.004	. 0 000010	- 0 00040	. 0 00000	0.00040	0.0040
EV_GC2	EV_MC6_WS_2022-05_MON_N	2022-05-05 -	0.013	< 0.000050	0.0198	46.7	0.00503	0.00101	1.58	48.6	< 0.000010	6.86	0.381	< 0.000010	< 0.00010	< 0.00030	0.00216	0.0019
EV_GC2 EV GC2	EV_MC8_WS_2022-05_MON_N	2022-05-05 -	< 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.000010	
EV_GC2 EV GC2	EV_GC2_WS_2022-05-07_N_1832 EV_GC2_WS_2022-05-07_N_0655	2022-05-07 - 2022-05-07 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-05-07 N 0655 EV GC2 WS 2022-05-08 N 1837	2022-05-07 -	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-05-06 N 0700	2022-05-08 -		-	-	-	-	-	-		-	- -	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05-06_N_0700 EV_GC2_WS_2022-05-09_N_0655	2022-05-09 -	<u> </u>	-	<u> </u>	-	-	_	-	-	-		-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-05 WEK20 N	2022-05-10 -		-		-					-		-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-05 WERZO N EV GC2 WS 2022-05-10 N 1846	2022-05-10 -		-		-	-		-		-	- -	-	† -	-	-	-	-
EV GC2	EV GC2 WS 2022-05-10 N 0650	2022-05-10 -	-	-	_	_	_	_	-	_	_	_	_	-	_	_	-	-
EV GC2	EV GC2 WS 2022-05-11 N 0800	2022-05-11 -	_	_	_	_	_	_	-	_	_	_	_	<u> </u>	_	_	_	_
EV GC2	EV GC2 WS 2022-05 WEK21 N	2022-05-16 -	_	-	-	-	-	_	_	_	_	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-05 WEK22 N	2022-05-24 -	_	_	_	-	-	_	-	-	_	_	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-05 WEK23 N	2022-05-30 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-06 MON N	2022-06-08 -	< 0.010	< 0.000050	0.0272	59.8	0.00669	0.00077	1.72	72.4	< 0.000010	6.55	0.421	< 0.000010	< 0.00010	< 0.00030	0.00309	< 0.0010
EV_GC2	EV_GC2_WS_2022-06-13_N_1742	2022-06-13 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06_WEK25_N	2022-06-14 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-14_N_0740	2022-06-14 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-14_N_2106	2022-06-14 -	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-15_N_1553	2022-06-15 -	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-15_N_0840	2022-06-15 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-16_N_0800	2022-06-16 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-18_N_0810	2022-06-18 -	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-19_N_1825	2022-06-19 -	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-19_N_0735	2022-06-19 -		-			-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-20_N_1550	2022-06-20 -	< 0.010	< 0.000050	0.0227	51.5	0.0101	0.00126	2.03	52.5	< 0.000010	7.52	0.387	< 0.000010	< 0.00010	< 0.00030	0.00253	< 0.0010
EV_GC2	EV_GC2_WS_2022-06-20_N_0730	2022-06-20 -	-	-	-	-	-	-	-	-	-	-	- 0.447	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-21_N	2022-06-21 -	< 0.010	< 0.000050	0.0232	52.8	0.00995	0.00131	2	51.1	< 0.000010	7.28	0.417	< 0.000010	< 0.00010	< 0.00030	0.00258	< 0.0010
EV_GC2	EV_GC2_WS_2022-06_NP	2022-06-22 -	< 0.010	< 0.000050	0.0229	52.8	0.0109	0.00114	1.93	59.6	< 0.000010	7.12	0.404	< 0.000010	< 0.00010	< 0.00030	0.0026	< 0.0010
EV_GC2	EV_GC2_WS_2022-06_WEK27_N	2022-06-27 -	- 0.010	- 0.000050	- 0.000	- 56 F	- 0.0127	0.00110	- 26	72.0	- 0.000010	7.02	- 0.412	- 0.000010	- 0.00010	- 0.00030	0.00217	- 0.0067
EV_GC2 EV GC2	EV_GC2_WS_2022-07-05_N EV_GC2_WS_2022-Q3_N	2022-07-05 - 2022-07-06 -	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0238 0.0277	56.5 65.9	0.0127 0.00889	0.00119 0.00124	2.36 2.18	73.8 78.9	< 0.000010 < 0.000010	7.83 7.84	0.413 0.406	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00317 0.00298	0.0067 < 0.0010
EV_GC2	EV GC2 WS 2022-Q3 N EV GC2 WS 2022-07 WEK29 N	2022-07-06 -	< 0.010	< 0.000050	0.0277	- 05.9	0.00889	0.00124	2.18	78.9	< 0.000010	1.04	0.406	<u> </u>	< 0.00010	< 0.00030	0.00298	< 0.0010
EV_GC2	EV GC2 WS 2022-07 WER29 N EV GC2 WS 2022-08 MON N	2022-07-11 -	< 0.010	< 0.000050	0.0277	76.7	0.00295	0.00154	2.12	112	< 0.000010	6.91	0.329	< 0.000010	< 0.00010	< 0.00030	0.00432	< 0.0010
EV_GC2	EV GC2 WS 2022-09 MON N	2022-09-07 -	< 0.010	< 0.000050	0.0277	80.3	0.00233	0.00104	2.02	122	< 0.000010	7.8	0.329	< 0.000010	< 0.00010	< 0.00030	0.00432	< 0.0010
EV_GC2	EV GC2 WS 2022-Q4 N	2022-10-05 -	< 0.010	< 0.000050	0.0230	82.7	0.00237	0.00104	2.05	107	< 0.000010	8.82	0.367	< 0.000010	< 0.00010	< 0.00030	0.0034	< 0.0010
EV_GC2	EV GC2 WS 2022-04-11	2022-10-03 -	< 0.010	< 0.000050	0.0285	75.2	0.00342	0.00117	1.94	60	< 0.000010	8.32	0.436	< 0.000010	< 0.00010	< 0.00030	0.0034	0.0017
EV GC2	EV GC2 WS 2022-11-15 N	2022-11-15 -	< 0.010	< 0.000050	0.0326	72.2	0.00764	0.00122	1.92	80.8	< 0.000010	8.68	0.463	< 0.000010		< 0.00030	0.00336	0.0021
EV GC2	EV GC2 WS 2022-11-17 N	2022-11-17 -	< 0.010	< 0.000050	0.0306	75.3	0.00755	0.0013	1.93	89	< 0.000010	8.5	0.442	< 0.000010	< 0.00010	< 0.00030	0.00354	0.0026
EV GC2	EV GC2 WS 2022-11-19 N	2022-11-19 -	< 0.010	< 0.000050	0.0293	80.1	0.00777	0.00116	2.06	110	< 0.000010	8.84	0.456	< 0.000010	< 0.00010	< 0.00030	0.0033	0.0016
EV_LC1	EV_LC1_WS_2022-Q1_N	2022-01-14 -	< 0.010	< 0.000050	0.0532	59.3	0.0242	0.002	3.94	3.66	< 0.000010	8.1	0.434	< 0.000010	< 0.00010	< 0.00030	0.0026	0.0058
EV_LC1	EV_LC1_WS_2022-02_MON_N	2022-02-07 -	< 0.010	< 0.000050	0.0597	64.2	0.0221	0.00153	4.02	3.68	< 0.000010	8.35	0.424	< 0.000010	< 0.00010	< 0.00030	0.00279	0.002
EV_LC1	EV_LC1_WS_2022-03_MON_N	2022-03-16 -	< 0.010	< 0.000050	0.0524	58.8	0.0154	0.00157	3.97	5.1	< 0.000010	6.74	0.458	< 0.000010	< 0.00010	< 0.00030	0.00295	0.003
EV_LC1	EV_LC1_WS_2022-Q2_N	2022-04-11 -	< 0.010	< 0.000050	0.0676	73.7	0.00959	0.00158	4.61	6.16	< 0.000010	9.08	0.499	< 0.000010	< 0.00010	< 0.00030	0.00329	< 0.0010
EV_LC1	EV_LC1_WS_2022-04-15_N	2022-04-15 -	< 0.010	< 0.000050	0.0661	71.3	0.00967	0.00154	4.04	6.02	< 0.000010	7.83	0.495	< 0.000010	< 0.00010	< 0.00030	0.00343	< 0.0010
EV_LC1	EV_LC1_WS_2022-05_MON_N	2022-05-05 -	< 0.010	< 0.000050	0.0623	71	0.00873	0.00151	4.23	5.75	< 0.000010	8.16	0.496	< 0.000010	< 0.00010	< 0.00030	0.00326	< 0.0010
EV_LC1	EV_LC1_WS_2022-06_MON_N	2022-06-08 -	0.021	< 0.000050	0.0686	77.5	0.00404	0.00116	4.16	5.08	< 0.000010	7.78	0.548	< 0.000010	< 0.00010	< 0.00030	0.00327	< 0.0010
EV_LC1	EV_LC1_WS_2022-Q3_N	2022-07-06 -	0.012	< 0.000050	0.0694	84.7	0.00774	0.00214	4.93	4.62	< 0.000010	8.4	0.527	< 0.000010	< 0.00010	< 0.00030	0.00261	0.0292
EV_LC1	EV_LC1_WS_2022-08_MON_N	2022-08-08 -	0.022	< 0.000050	0.0661	84.8	0.00241	0.00215	4.67	1.89	< 0.000010	8.59	0.517	0.00001	< 0.00010	< 0.00030	0.00297	0.0016
EV_LC1	EV_LC1_WS_SESMP_2022_08_N	2022-08-12 -	0.026	< 0.000050	0.0701	79.3	0.00338	0.00216	4.35	1.92	< 0.000010	8.65	0.533	0.000011	< 0.00010	< 0.00030	0.00305	0.002
<u>-</u>	·																	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals					
				s	=				_			_		٤		
			ess	1		ony	<u>.</u> 2	F	ig E	th H	_	h iii	E	mium	4	a
			ırdı			Ē	sen	Ē	Σ	Smt	lo	ωqu	Calciu	5	bal	ď
Sample	Sample	Sample Date			₹	¥	₹	Ba	B	ä	<u>8</u>	ບຶ	_	ភ្	ပိ	ŭ
Location	ID	(mm/dd/yyyy)	mg/L	mg		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L υ	mg/L	mg/L	mg/L	mg/L
				te	onic							onic				Acute Chronic
				Acu	Chr							Acu				Gr Gr
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLMe
Elkview Operation																
EV_LC1	EV_LC1_WS_2022-09_MON_N	2022-09-07	-	0.0		0.00013	0.00014	0.182	< 0.020	< 0.000050	0.043	0.0000332	124	< 0.00010	< 0.10	0.00038
EV_LC1	EV_LC1_WS_2022-Q4_N	2022-10-03	-		0010	0.00014	< 0.00010	0.201	< 0.020	< 0.000050	0.043	0.00008	128	< 0.00010	< 0.10	0.00024
EV_LC1	EV_ER5_WS_2022-Q4_N	2022-10-03	-	0.0		0.00014	0.00013	0.2	< 0.020	< 0.000050	0.042	0.0000384	128	< 0.00010	< 0.10	0.00034
EV_LC1	EV_ER7_WS_2022-Q4_N	2022-10-03	-	< 0.0	0010	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050 0.0000229	< 0.050	< 0.00010	< 0.10	< 0.00020 0.00025
EV_LC1 EV MC2	EV_LC1_WS_2022-11_MON_N EV_MC2_WS_2022-01-06_N-SRF	2022-11-09	-	0.0		0.00014	0.00011	0.143	< 0.020 < 0.020	< 0.000050 < 0.000050	0.037	0.0000229	103	< 0.00010	< 0.10 0.00013	
EV_MC2	EV_MC2_WS_2022-01-06_N-SRF EV_MC2_WS_2022-01-17_N-SRF	2022-01-06 2022-01-17	H	0.0		< 0.00010 < 0.00010	0.00014 0.00016	0.106 0.106	< 0.020	- 0.000050	0.012	0.0000186	76.2 67.6	0.00013 0.00012	-	0.00027 0.0002
EV_MC2	EV_MC2_WS_2022-01-17_N-SRF EV_MC2_WS_2022_Q1_N	2022-01-17	-	0.0		< 0.00010	0.00016	0.108	< 0.020	< 0.000050	0.013	0.0000202	69.3	0.00012	0.00013	< 0.0002
EV_MC2	EV_MC2_WS_2022_QT_N EV_MC2_WS_2022-01-31_N-SRF	2022-01-16	-	0.0		< 0.00010	0.00018	0.106	< 0.020	< 0.000050	0.013	0.0000237	68	0.00013	0.00013	< 0.00020
EV MC2	EV_MC2_WS_2022-01-31_N-3K1 EV_MC2_WS_2022_Q1_WK0_N	2022-01-31	-	0.0		< 0.00010	0.00012	0.0903	< 0.020	< 0.000050	0.011	0.0000231	79.1	0.00012	0.00012	< 0.00020
EV MC2	EV MC2 WS 2022-02 MON N	2022-02-08	-	0.0		< 0.00010	0.00016	0.122	< 0.020	< 0.000050	0.013	0.0000229	79.3	0.00028	0.00013	< 0.00020
EV MC2	EV MC2 WS 2022-02-14 N-SRF	2022-02-14	-		012	< 0.00010	0.00013	0.104	< 0.020	< 0.000050	0.011	0.0000201	71.4	0.00013	< 0.00010	0.00029
EV MC2	EV MC2 WS 2022 Q1 WK1 N	2022-02-15	-	0.0		0.00011	0.00014	0.107	< 0.020	< 0.000050	0.013	0.0000267	82.5	0.00015	0.0001	< 0.00020
EV MC2	EV MC2 WS 2022 Q1 WK2 N	2022-02-22	-	0.0	014	0.00013	0.00015	0.134	< 0.020	< 0.000050	0.016	0.0000472	97.1	0.00014	0.00023	0.00022
EV MC2	EV MC2 WS 2022-02-28 N-SRF	2022-03-01	-	0.0	011	< 0.00010	0.00013	0.108	< 0.020	< 0.000050	0.013	0.000028	80.3	0.00014	0.00012	0.00026
EV_MC2	EV_MC2_WS_2022_Q1_WK3_N	2022-03-01	-	< 0.0	0010	< 0.00010	0.00013	0.1	< 0.020	< 0.000050	0.012	0.0000238	73.5	0.00013	0.00012	< 0.00020
EV_MC2	EV_MC2_WS_2022_Q1_WK4_N	2022-03-08	-	0.0	016	< 0.00010	0.00014	0.103	< 0.020	< 0.000050	0.012	0.000024	77.5	0.00012	0.0001	< 0.00020
EV_MC2	EV_MC2_WS_2022-03-14_N-SRF	2022-03-14	-	0.0	016	0.00011	0.00013	0.102	< 0.020	< 0.000050	0.011	0.0000217	67.4	0.00012	0.0001	< 0.00020
EV_MC2	EV_MC2_WS_2022_Q1_WK5_N	2022-03-15	-	< 0.0	0010	< 0.00010	0.00014	0.104	< 0.020	< 0.000050	0.011	0.0000212	73.7	0.00014	0.00011	< 0.00020
EV_MC2	EV_MC2_WS_2022-03_MON_N	2022-03-16	-	0.0		< 0.00010	0.00013	0.0953	< 0.020	< 0.000050	0.013	0.000019	81.5	0.0001	0.0001	< 0.00020
EV_MC2	EV_MC5_WS_2022-03_MON_N	2022-03-16	-	0.0		< 0.00010	0.00012	0.0934	< 0.020	< 0.000050	0.012	0.000025	80.2	0.00012	0.0001	< 0.00020
EV_MC2	EV_MC2_WS_2022-03-21_N-SRF	2022-03-21	-	0.0		< 0.00010	0.00014	0.11	< 0.020	< 0.000050	0.013	0.0000265	78	0.00013	0.0001	< 0.00020
EV_MC2	EV_MC2_WS_2022-03_WEK13_N	2022-03-22	-	0.0		0.0001	0.00014	0.104	< 0.020	< 0.000050	0.013	0.00029	77.2	0.00014	0.00011	0.00026
EV_MC2	EV_MC5_WS_2022-03_WEK13_N	2022-03-22	-	0.0		< 0.00010	0.00013	0.105	< 0.020	< 0.000050	0.014	0.0000332	76.2	0.00013	0.00011	< 0.00020
EV_MC2	EV_MC2_WS_2022-03-28_N-SRF	2022-03-28	-	0.0		< 0.00010	0.00014	0.111	< 0.020	< 0.000050	< 0.010	0.0000208	66.2	0.0002	< 0.10	0.00032
EV_MC2	EV_MC2_WS_2022-03-28_N-SRF_1	2022-03-28	-		- 045		- 0.00040	- 0.405	-	- 0.00050	- 0.044	- 0.00005	72.3	- 0.00040	0 . 4 0	-
EV_MC2 EV MC2	EV_MC2_WS_2022-03_WEK14_N EV_MC5_WS_2022-03_WEK14_N	2022-03-29	-	0.0	045	< 0.00010 < 0.00010	0.00016 0.00016	0.105 0.0949	< 0.020 < 0.020	< 0.000050 < 0.000050	0.011 0.012	0.000025 0.0000273	62.6 66	0.00013 < 0.00010	< 0.10 < 0.10	0.00033 0.00026
EV_MC2	EV_MC5_WS_2022-03_WER14_N EV_MC2_WS_2022-04-04_N-SRF	2022-03-29	-	0.0		0.00010	0.00016	0.0949	< 0.020	< 0.000050	0.012	0.0000273	62.8	< 0.00010	< 0.10	0.00028
EV_MC2	EV_MC2_W3_2022-04-04_N-3RF EV_MC2_WS_2022-04_WEK15_N	2022-04-05	-	0.0		< 0.00011	0.00016	0.108	< 0.020	< 0.000050	0.011	0.0000219	67.9	< 0.00010	< 0.10	0.00024
EV_MC2	EV_MC5_WS_2022-04_WEK15_N	2022-04-05	H -	0.0		< 0.00010	0.00014	0.102	< 0.020	< 0.000050	0.011	0.0000243	71.1	< 0.00010	< 0.10	0.00024
EV MC2	EV_MC2_WS_2022-04_WER15_N EV_MC2_WS_2022-04-10_N-SRF	2022-04-03	H		-	- 0.00010	-	-	- 0.020	- 0.000030	-	-	66	- 0.00010	- 0.10	-
EV MC2	EV MC2 WS 2022-04-10 N-SRF	2022-04-10			019	0.00012	0.00015	0.0974	< 0.020	< 0.000050	0.011	0.0000224	72.4	0.00013	< 0.10	0.00037
EV MC2	EV MC2 WS 2022-04-11 N-SRF 1	2022-04-11	-		-	-	-	-	- 0.020	-	-	-	66.2	-	- 0.10	-
EV MC2	EV MC2 WS 2022-Q2 N	2022-04-12	-		042	0.00011	0.00014	0.104	< 0.020	< 0.000050	0.011	0.0000262	66.8	0.00011	< 0.10	0.0011
EV MC2	EV MC2 WS 2022-04-12 N-SRF	2022-04-12	-		-	-	-	-	-	-	-	-	71.7	-	-	-
EV_MC2	EV_MC2_WS_2022-04-13_N-SRF	2022-04-13	-		_	-	-	-	-	-	-	-	72.5	-	-	-
EV_MC2	EV_MC2_WS_2022-04-14_N-SRF	2022-04-14	-		-	-	-	-	-	-	-	-	68.5	-	-	-
EV_MC2	EV_MC2_WS_2022-04-15_N-SRF	2022-04-15			-	-	-	-	-	-	-	-	68.1	-		-
EV_MC2	EV_MC2_WS_2022-04-16_N-SRF	2022-04-16			-	-	-	-	-	-	-	-	67.8	-	-	-
EV_MC2	EV_MC2_WS_2022-04-17_N-SRF	2022-04-17	-		-	-	-	1-	-	-	-	-	66.4	-	-	-
EV_MC2	EV_MC2_WS_2022-04-18_N-SRF	2022-04-18	-		022	0.0001	0.00017	0.112	< 0.020	< 0.000050	0.011	0.0000192	70.5	0.00012	< 0.10	0.00029
EV_MC2	EV_MC2_WS_2022-04-18_N-SRF_1	2022-04-18	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04_WEK17_N	2022-04-19	-		016	< 0.00010	0.00016	0.115	< 0.020	< 0.000050	0.011	0.0000252	66.2	< 0.00010	< 0.10	0.00022
EV_MC2	EV_MC5_WS_2022-04_WEK17_N	2022-04-19	-		019	0.00011	0.00035	0.116	< 0.020	< 0.000050	0.011	0.0000291	68.2	0.00011	< 0.10	0.00023
EV_MC2	EV_MC2_WS_2022-04-19_N-SRF EV_MC2_WS_2022-04-20_N-SRF	2022-04-19	-		-	-	-	-	-	-	-	-	73.6	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-04-20_N-SRF EV_MC2_WS_2022-04-21_N-SRF	2022-04-20 2022-04-21	-		-	-	-	-	-	-	-	-	77.2	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-04-21_N-SRF EV_MC2_WS_2022-04-22_N-SRF	2022-04-21	-		- -	-	-	-	-	-	-	-	70.5 70.2	-	-	-
EV_MC2	EV_MC2_WS_2022-04-22_N-SRF EV_MC2_WS_2022-04-23_N-SRF	2022-04-22	+-		<u>-</u>	-	-	-	-	-	-	-	71.8	<u>-</u>	-	-
L V_IVIO2	L V _ IVIO2 _ VVO _ 2022-04-23 _ IV-3I\F	2022-04-23										-	7 1.0		_	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ved Metals							
Sample	Sample	Sample Date H	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	r <u>i</u>	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation	FV I 04 IVIC 2002 00 MONI N	2000 00 07	10.040	1 0 000050	0.0040	77	0.0044	0.00404	4.00	4.40	4.0.000040	0.00	0.54	10.000040	10,00010	4.0.00000	0.00000	0.0040
EV_LC1 EV LC1	EV_LC1_WS_2022-09_MON_N EV_LC1_WS_2022-Q4_N	2022-09-07 - 2022-10-03 -	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0616 0.0641	77 76.9	0.0014 0.00632	0.00181 0.00216	4.29 4.69	1.43 1.68	< 0.000010 < 0.000010	8.22 8.3	0.54 0.544	< 0.000010 0.000012	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00289 0.00278	0.0016 0.0022
EV_LC1	EV_LC1_WS_2022-Q4_N EV_ER5_WS_2022-Q4_N	2022-10-03 -	< 0.010	< 0.000050	0.0647	76.9	0.00632	0.00216	4.69	1.66	< 0.000010	8.24	0.544	0.000012	< 0.00010	< 0.00030	0.00278	0.0022
EV_LC1	EV ER7 WS 2022-Q4 N	2022-10-03 -	< 0.010	< 0.000050	< 0.0047	< 0.0050	< 0.00019	< 0.00212	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000011	< 0.00010	< 0.00030	< 0.00203	< 0.0017
EV LC1	EV LC1 WS 2022-04-N	2022-11-09 -	< 0.010	< 0.000050	0.0604	68.8	0.00368	0.0017	4.07	3.28	< 0.000010	7.34	0.438	< 0.000010	< 0.00010	< 0.00030	0.00261	< 0.0010
EV MC2	EV MC2 WS 2022-01-06 N-SRF	2022-01-06 -	< 0.010	< 0.000050	0.0121	25.6	0.00347	0.0019	0.972	8.15	< 0.000010	5.36	0.191	< 0.000010	< 0.00010	< 0.00030	0.00124	0.0015
EV MC2	EV MC2 WS 2022-01-17 N-SRF	2022-01-17 -	< 0.010	-	0.0112	25.3	0.00271	0.00177	0.903	8.09	< 0.000010	4.46	0.177	< 0.000010	-	< 0.00030	0.00136	< 0.0010
EV_MC2	EV_MC2_WS_2022_Q1_N	2022-01-18 -	< 0.010	< 0.000050	0.0125	29	0.00298	0.00193	0.984	9.66	< 0.000010	5.24	0.186	< 0.000010	< 0.00010	< 0.00030	0.00143	< 0.0010
EV_MC2	EV_MC2_WS_2022-01-31_N-SRF	2022-01-31 -	< 0.010	< 0.000050	0.0111	26.2	0.00258	0.00165	0.876	7.86	< 0.000010	4.69	0.165	< 0.000010	< 0.00010	< 0.00030	0.00126	< 0.0010
EV_MC2	EV_MC2_WS_2022_Q1_WK0_N	2022-02-01 -	< 0.010	< 0.000050	0.0143	31	0.00326	0.00209	1.04	15.5	< 0.000010	5.34	0.201	< 0.000010	< 0.00010	< 0.00030	0.00157	0.0013
EV_MC2	EV_MC2_WS_2022-02_MON_N	2022-02-08 -	< 0.010	< 0.000050	0.0138	31.2	0.00272	0.00208	1.06	9.14	< 0.000010	5.1	0.19	< 0.000010	< 0.00010	< 0.00030	0.00156	0.0016
EV_MC2	EV_MC2_WS_2022-02-14_N-SRF	2022-02-14 -	< 0.010	< 0.000050	0.012	29.3	0.00219	0.00211	0.979	10.8	< 0.000010	4.36	0.18	< 0.000010	< 0.00010	< 0.00030	0.00156	< 0.0010
EV_MC2	EV_MC2_WS_2022_Q1_WK1_N	2022-02-15 -	< 0.010	0.00008	0.0156	34.3	0.00222	0.00242	1.11	14.9	< 0.000010	5.34	0.2	< 0.000010	< 0.00010	< 0.00030	0.00163	< 0.0010
EV_MC2	EV_MC2_WS_2022_Q1_WK2_N	2022-02-22 -	< 0.010	< 0.000050	0.0202	46.4	0.00554	0.00342	1.43	16.6	< 0.000010	6.08	0.242	< 0.000010	< 0.00010	< 0.00030	0.00232	0.0035
EV_MC2	EV_MC2_WS_2022-02-28_N-SRF	2022-03-01 -	< 0.010	< 0.000050	0.013	32	0.0026	0.00214	1.02	10.1	< 0.000010	5.17	0.197	< 0.000010	< 0.00010	< 0.00030	0.00153	0.0049
EV_MC2	EV_MC2_WS_2022_Q1_WK3_N	2022-03-01 -	< 0.010	< 0.000050	0.0131	30	0.00247	0.00218	1.05	11.1	< 0.000010	5.81	0.179	< 0.000010	< 0.00010	< 0.00030	0.00156	< 0.0010
EV_MC2 EV MC2	EV_MC2_WS_2022_Q1_WK4_N	2022-03-08 -	< 0.010	< 0.000050	0.0148	31	0.00227	0.00205	0.966	9.41	< 0.000010	4.83	0.189	< 0.000010	< 0.00010	< 0.00030	0.00135	< 0.0010
EV_MC2	EV_MC2_WS_2022-03-14_N-SRF EV_MC2_WS_2022_Q1_WK5_N	2022-03-14 - 2022-03-15 -	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0129 0.0134	28.6 32	0.00209 0.00227	0.00207 0.00228	1.05 1.05	14.2 10.9	< 0.000010 < 0.000010	4.91 5.18	0.19 0.18	0.000013 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00153 0.0015	0.0016 < 0.0010
EV_IVIC2 EV MC2	EV MC2 WS 2022-Q1_WK5_N EV MC2 WS 2022-03 MON N	2022-03-16 -	< 0.010	< 0.000050	0.0134	30.9	0.00227	0.00228	1.03	10.8	< 0.000010	5.16	0.18	< 0.000010	< 0.00010	< 0.00030	0.0015	< 0.0010
EV MC2	EV MC5 WS 2022-03 MON N	2022-03-16 -	< 0.010	< 0.000050	0.0141	30.9	0.00220	0.00174	1.01	11	< 0.000010	4.93	0.193	< 0.000010	< 0.00010	< 0.00030	0.0015	< 0.0010
EV MC2	EV MC2 WS 2022-03-21 N-SRF	2022-03-10	< 0.010	< 0.000050	0.0152	30.6	0.00234	0.00174	1.08	11.5	< 0.000010	5.43	0.191	< 0.000010	< 0.00010	< 0.00030	0.00162	0.0012
EV MC2	EV MC2 WS 2022-03 WEK13 N	2022-03-22 -	0.024	< 0.000050	0.0159	31	0.00284	0.00188	1.09	12.6	< 0.000010	5.51	0.189	< 0.000010	< 0.00010	< 0.00030	0.00156	< 0.0010
EV MC2	EV MC5 WS 2022-03 WEK13 N	2022-03-22 -	< 0.010	< 0.000050	0.0159	30.2	0.00239	0.00182	1.06	11.8	< 0.000010	5.3	0.189	< 0.000010	< 0.00010	< 0.00030	0.00156	< 0.0010
EV_MC2	EV_MC2_WS_2022-03-28_N-SRF	2022-03-28 -	< 0.010	< 0.000050	0.009	25	0.00133	0.0019	0.876	12.7	< 0.000010	4.22	0.164	< 0.000010	< 0.00010	< 0.00030	0.00115	0.0026
EV_MC2	EV_MC2_WS_2022-03-28_N-SRF_1	2022-03-28 -	-	-	-	31	-	-	0.992	-	-	5.38	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-03_WEK14_N	2022-03-29 -	< 0.010	< 0.000050	0.0104	26.3	0.00139	0.00118	0.972	11.7	< 0.000010	4.86	0.165	< 0.000010	< 0.00010	< 0.00030	0.00104	0.0026
EV_MC2	EV_MC5_WS_2022-03_WEK14_N	2022-03-29 -	< 0.010	< 0.000050	0.0124	26.7	0.00114	0.00106	0.963	13.9	< 0.000010	5.01	0.176	< 0.000010	< 0.00010	< 0.00030	0.00107	< 0.0010
EV_MC2	EV_MC2_WS_2022-04-04_N-SRF	2022-04-04 -	0.024	< 0.000050	0.01	25.6	0.00182	0.00124	0.953	10.5	< 0.000010	4.4	0.169	< 0.000010	< 0.00010	< 0.00030	0.0012	0.0034
EV_MC2	EV_MC2_WS_2022-04_WEK15_N	2022-04-05 -	< 0.010	< 0.000050	0.0117	27.7	0.00142	0.00136	0.977	11.4	< 0.000010	4.87	0.174	< 0.000010	< 0.00010	< 0.00030	0.00121	< 0.0010
EV_MC2	EV_MC5_WS_2022-04_WEK15_N	2022-04-05 -	< 0.010	< 0.000050	0.014	29.8	0.00135	0.00122	1.06	13.7	< 0.000010	5.44	0.185	< 0.000010	< 0.00010	< 0.00030	0.00121	< 0.0010
EV_MC2	EV_MC2_WS_2022-04-10_N-SRF	2022-04-10 -	- 0.040	-	- 0.0407	26.1	-	-	0.837	-	- 0.000040	4.18	- 0.400	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-11_N-SRF	2022-04-11 -	< 0.010	< 0.000050	0.0107	25.7	0.00139	0.00142	0.879	12.3	< 0.000010	4.36	0.193	< 0.000010	< 0.00010	< 0.00030	0.00116	0.0021
EV_MC2 EV MC2	EV_MC2_WS_2022-04-11_N-SRF_1 EV_MC2_WS_2022-Q2_N	2022-04-11 - 2022-04-12 -	0.01	< 0.000050	0.0109	26.2 27	0.00148	0.00132	0.85 0.921	15.6	< 0.000010	4.36 4.62	0.181	< 0.000010	0.00022	< 0.00030	0.00126	0.0022
EV_MC2	EV_MC2_WS_2022-Q2_N EV_MC2_WS_2022-04-12_N-SRF	2022-04-12 -	- 0.01	< 0.000000	0.0109	27.5	0.00146	0.00132	0.921	13.0	<u> </u>	4.62	U. 101	<u> </u>	0.00022	<u> </u>	0.00120	0.0022
EV_MC2	EV_MC2_WS_2022-04-12_N-SRF EV_MC2_WS_2022-04-13_N-SRF	2022-04-12 -		 		27.9			0.839		-	4.58	-	-	-	-		
EV_MC2	EV_MC2_WS_2022-04-13_N-SRF	2022-04-14 -	-	-	<u> </u>	29.4	_	-	0.89	-	_	4.52	_	-	-	_	_	
EV MC2	EV MC2 WS 2022-04-15 N-SRF	2022-04-15 -	-	 -	_	29.6	_	-	0.876	_	_	4.23	_	_	_	_	_	_
EV MC2	EV MC2 WS 2022-04-16 N-SRF	2022-04-16 -	-	-	_	28.5	_	-	0.855	_	-	4.06	_	-	-	_	-	-
EV_MC2	EV_MC2_WS_2022-04-17_N-SRF	2022-04-17 -	-	-	-	26.9	-	-	0.825	-	-	4.05	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-18_N-SRF	2022-04-18 -	0.01	< 0.000050	0.012	30.6	0.00186	0.00162	1.04	14.6	< 0.000010	4.88	0.193	< 0.000010	< 0.00010	< 0.00030	0.00156	0.0019
EV_MC2	EV_MC2_WS_2022-04-18_N-SRF_1	2022-04-18 -	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
EV_MC2	EV_MC2_WS_2022-04_WEK17_N	2022-04-19 -	< 0.010	< 0.000050	0.011	29.8	0.00127	0.00119	0.932	16.2	< 0.000010	4.82	0.177	< 0.000010	< 0.00010	< 0.00030	0.00131	< 0.0010
EV_MC2	EV_MC5_WS_2022-04_WEK17_N	2022-04-19 -	< 0.010	0.000088	0.0112	30	0.0013	0.00124	0.943	15.6	< 0.000010	4.86	0.178	< 0.000010	< 0.00010	< 0.00030	0.00132	< 0.0010
EV_MC2	EV_MC2_WS_2022-04-19_N-SRF	2022-04-19 -	-	-	-	29.6	-	-	0.942	-	-	4.94	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-20_N-SRF	2022-04-20 -	-	-	-	32.5	-	-	0.999	-	-	4.97	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-21_N-SRF	2022-04-21 -	-	-	-	27.9	-	-	0.809	-	-	4.12	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-22_N-SRF	2022-04-22 -	-	-	-	27.7	-	-	0.877	-	-	4.35	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-23_N-SRF	2022-04-23 -	-	- 1	-	32	-	-	0.928	-	-	4.68	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals					
Sample	Sample	Sample Date	Hardness	A. riminut		Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper
Location	ID	(mm/dd/yyyy)	mg/L	mç		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Acute	Chronic							Acute				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Elkview Operation		•														
EV_MC2	EV_MC2_WS_2022-04-24_N-SRF	2022-04-24	-		-	-	-	-	-	-	-	-	82.4	-	-	-
EV_MC2	EV_MC2_WS_2022-04-25_N-SRF_1	2022-04-25	-			-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-25_N-SRF	2022-04-25	-	0.0	031	0.0001	0.00017	0.11	< 0.020	< 0.000050	0.012	0.0000298	64.4	< 0.00010	< 0.10	0.00041
EV_MC2	EV_MC2_WS_2022-04-26_N-SRF	2022-04-26	-		-	-	-	-	-	-	-	-	62.9	-	-	-
EV_MC2	EV_MC2_WS_2022-04-26_N-SRF_P	2022-04-26	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-26_N-SRF_UP	2022-04-26	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04_WEK18_N	2022-04-26	-	0.0		< 0.00010	0.00016	0.109	< 0.020	< 0.000050	0.01	0.0000378	61.2	< 0.00010	< 0.10	0.00036
EV_MC2	EV_MC5_WS_2022-04_WEK18_N	2022-04-26	-	0.0		< 0.00010	0.00016	0.101	< 0.020	< 0.000050	0.01	0.0000237	58.7	< 0.00010	< 0.10	0.00039
EV_MC2	EV_MC2_WS_2022-04-27_N-SRF	2022-04-27	-		-	-	-	-	-	-	-	-	53.9	-	-	-
EV_MC2	EV_MC2_WS_2022-04-27_N-SRF_P	2022-04-27	-			-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-27_N-SRF_UP	2022-04-27	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-28_N-SRF	2022-04-28	-		-	-	-	-	-	-	-	-	56.3	-	-	-
EV_MC2	EV_MC2_WS_2022-04-29_N-SRF	2022-04-29	-		-	-	-	-	-	-	-	-	63.7	-	-	-
EV_MC2	EV_MC2_WS_2022-04-30_N-SRF	2022-04-30	-			-	-	-	-	-	-	-	63.6	-	-	-
EV_MC2	EV_MC2_WS_2022-05-01_N-SRF	2022-05-01	-		-	-	-	-	-	-	-	-	67.7	-	-	-
EV_MC2	EV_MC2_WS_2022-05-01_N-SRF_P	2022-05-01	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-01_N-SRF_UP	2022-05-01	-			-			-			-	-	-		-
EV_MC2	EV_MC2_WS_2022-05-02_N-SRF	2022-05-02	-	0.0		< 0.00010	0.00018	0.0862	< 0.020	< 0.000050	< 0.010	0.0000183	50.4	0.00014	< 0.10	0.00035
EV_MC2	EV_MC2_WS_2022-05-02_N-SRF_1	2022-05-02	-		_	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-03_N-SRF	2022-05-03	-			-	-	-	-	-	-	- 0.0004.07	52.9	-	- 0.40	-
EV_MC2	EV_MC2_WS_2022-05_MON_N	2022-05-03	-	0.0		< 0.00010	0.00017	0.0822	< 0.020	< 0.000050	< 0.010	0.0000167	50.3	< 0.00010	< 0.10	0.00032
EV_MC2	EV_MC2_WS_2022-05-04_N-SRF	2022-05-04	-			-	-	-	-	-	-	-	41.6	-	-	-
EV_MC2	EV_MC2_WS_2022-05-05_N-SRF	2022-05-05	-			-	-	-	-	-	-	-	45	-	-	-
EV_MC2	EV_MC2_WS_2022-05-06_N-SRF	2022-05-06	-			-	-	-	-	-	-	-	29.2	-	-	-
EV_MC2	EV_MC2_WS_2022-05-07_N-SRF	2022-05-07	-			-	-	-	-	-	-	-	36.6	-	-	-
EV_MC2	EV_MC2_WS_2022-05-08_N-SRF	2022-05-08	-	0.0		- 0.00040	- 0.00040	- 0.0747	-	- 0.000050		-	41.7	-	0 . 4 0	-
EV_MC2	EV_MC2_WS_2022-05-09_N-SRF	2022-05-09	-	0.0		< 0.00010	0.00018	0.0717	< 0.020	< 0.000050	< 0.010	0.0000249	40.5	0.00014	< 0.10	0.00038
EV_MC2	EV_MC2_WS_2022-05-10_N-SRF	2022-05-10	-			-	-	-	-	-	-	-	46.9	-	-	-
EV_MC2	EV_MC2_WS_2022-05-11_N-SRF	2022-05-11	-		-	- 0.00040	-	-	-	- 0.000050	-	- 0.000046	- 45.5	-	0 . 4 0	-
EV_MC2	EV_MC2_WS_2022-05_WEK20_N	2022-05-11	-	0.0		< 0.00010	0.00019	0.081	< 0.020	< 0.000050	0.01	0.0000216	45.5	0.0001	< 0.10	0.00033
EV_MC2 EV MC2	EV_MC5_WS_2022-05_WEK20_N	2022-05-11 2022-05-12	-	0.0		< 0.00010	0.0002	0.0817	< 0.020	< 0.000050	< 0.010	0.0000241	44.9	0.00012	< 0.10	0.00038
EV_MC2 EV_MC2	EV_MC2_WS_2022-05-12_N-SRF EV_MC10_WS_2022-05-12_N-SRF	2022-05-12	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV_MC2	EV_MC10_WS_2022-05-12_N-SRF EV_MC2_WS_2022-05-13_N-SRF	2022-05-12	-			-	-	-	-	-	-	<u>-</u> -	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-05-13_N-SRF EV_MC10_WS_2022-05-13_N-SRF	2022-05-13	-			+	-			-		<u>-</u>	1	-		-
EV_MC2	EV MC2 WS 2022-05-13_N-SRF	2022-05-13	-		-	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-14_N-SRF EV_MC10_WS_2022-05-14_N-SRF	2022-05-14	-	•	-	-	-	-	-	-	-	-	-	-	-	- -
EV_MC2	EV MC2 WS 2022-05-14_N-SRF	2022-05-14		•	-	-	-	-		-	-	<u>-</u>	-	-	<u> </u>	-
EV_MC2	EV_MC2_WS_2022-05-15_N-SRF EV_MC10_WS_2022-05-15_N-SRF	2022-05-15			<u>-</u> -	-	-	-	-	-	-	- -	-	-		-
EV_MC2	EV MC2 WS 2022-05-16 N-SRF	2022-05-16		0.0		0.00014	0.00015	0.078	< 0.020	< 0.000050	< 0.010	0.0000222	43.4	0.00014	< 0.10	0.00033
EV_MC2	EV_MC2_WS_2022-05-16_N-SRF 1	2022-05-16		0.0		0.00014	0.00015	0.078	< 0.020	< 0.000050	< 0.010	0.0000222	43.4	0.00014	< 0.10	0.00033
EV_MC2	EV_MC2_WS_2022-05-16_N-SRF_1 EV_MC10_WS_2022-05-16_N-SRF	2022-05-16		0.0		< 0.00010	0.00019	0.078	< 0.020	< 0.000050	< 0.010	0.0000234	43.9	0.00014	< 0.10	0.00039
EV_MC2	EV MC2 WS 2022-05-16 N-SRF	2022-05-16		0.0		< 0.00010	0.00019	0.078	< 0.020	< 0.000050	< 0.010	0.0000256	37.7	0.00014	< 0.10	0.00039
EV_MC2	EV_MC2_WS_2022-05_WER21_N EV_MC5_WS_2022-05_WER21_N	2022-05-17		0.0		< 0.00010	0.00018	0.069	< 0.020	< 0.000050	< 0.010	0.0000254	37.1	0.00015	< 0.10	0.0016
EV_MC2	EV_MC3_W3_2022-05_WER21_N EV_MC2_WS_2022-05-17_N-SRF	2022-05-17			-	- 0.00010	-	0.0072	- 0.020	- 0.000030	- 0.010	-	37.1		- 0.10	-
EV_MC2	EV_MC2_WS_2022-05-17_N-SRF EV_MC10_WS_2022-05-17_N-SRF	2022-05-17			<u>-</u> -	-	-	-	-	-	-	- -	-	-	<u> </u>	-
EV_MC2	EV_MC10_WS_2022-05-17_N-SRF EV_MC2_WS_2022-05-18_N-SRF	2022-05-17			<u>-</u>	-	-	-	-	-	-	- -	-	-	<u>-</u>	-
EV_MC2	EV_MC2_WS_2022-05-16_N-SRF EV_MC10_WS_2022-05-18_N-SRF	2022-05-18	-		-	-	-	-	-	-	-	- -	-	-		-
EV_MC2	EV MC10_W3_2022-05-16_N-SRF EV MC2 WS 2022-05-19 N-SRF	2022-05-18			<u>-</u>	-	-	-	-	-	-	- -	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-19_N-SRF EV_MC2_WS_2022-05-20_N-SRF	2022-05-19			<u>-</u> -	-	-	-	-	-	-	- -	-	-	<u> </u>	-
L v _IVIO2	L v _ IVIO Z _ V V O _ Z U Z Z - U U - Z U _ IV - U I I	2022-00-20		·	-							<u>-</u>		_		

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissolv	ed Metals							
Sample	Sample	Sample Date Hardness	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		Acute															
BC WQG FWAL		n/a 0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation	EV MCO WC 2022 04 24 N CDE	2000 04 04	1	Ι	25.4	T		4.4			0.00	1	1		Ι		
EV_MC2 EV MC2	EV_MC2_WS_2022-04-24_N-SRF EV_MC2_WS_2022-04-25_N-SRF_1	2022-04-24 2022-04-25	-	-	35.1	-	-	1.1	-	-	6.23	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-25_N-SRF_1	2022-04-25 - < 0.010	< 0.000050	0.0098	27	0.00129	0.00122	0.959	12.6	< 0.000010	4.42	0.173	< 0.000010	< 0.00010	< 0.00030	0.00126	0.0016
EV_MC2	EV_MC2_WS_2022-04-26_N-SRF	2022-04-26	- 0.000030	0.0090	25.1	0.00123	0.00122	0.862	12.0	- 0.000010	4.59	0.173	- 0.000010	- 0.00010	- 0.00030	0.00120	-
EV MC2	EV MC2 WS 2022-04-26 N-SRF P	2022-04-26	_	_	-	_	-	-	_	_	-	_	_	_	_	_	_
EV MC2	EV MC2 WS 2022-04-26 N-SRF UP	2022-04-26	-	_	_	-	-	_	_	_	_	_	-	-	_	_	_
EV MC2	EV MC2 WS 2022-04 WEK18 N	2022-04-26 - < 0.010	< 0.000050	0.0095	25.9	0.00131	0.00113	0.897	12	< 0.000010	4.46	0.174	< 0.000010	< 0.00010	< 0.00030	0.00108	0.0014
EV_MC2	EV_MC5_WS_2022-04_WEK18_N	2022-04-26 - < 0.010	< 0.000050	0.0089	23.9	0.00117	0.00104	0.845	10.6	< 0.000010	4.18	0.16	< 0.000010	< 0.00010	< 0.00030	0.00106	< 0.0010
EV_MC2	EV_MC2_WS_2022-04-27_N-SRF	2022-04-27	-	-	20.8	-	-	0.708	-	-	3.66	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-27_N-SRF_P	2022-04-27	-	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-27_N-SRF_UP	2022-04-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-28_N-SRF	2022-04-28	-	-	21.2	-	-	0.782	-	-	4.18	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-29_N-SRF	2022-04-29	-	-	23.9	-	-	0.878	-	-	5.15	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-30_N-SRF	2022-04-30	-	-	24.9	-	-	0.858	-	-	4.62	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-01_N-SRF	2022-05-01	-	-	24	-	-	0.867	-	-	4.65	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-01_N-SRF_P	2022-05-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-05-01_N-SRF_UP	2022-05-01	- 0.000050	- 0.0072	- 10.2	- 0.00103	- 0.00109	- 0.770	7 76	- 0.000010	- 2.04	- 0.127	- 0.000010	- 0.00010	- 0.00020	0.000027	- 0.0010
EV_MC2	EV_MC2_WS_2022-05-02_N-SRF EV_MC2_WS_2022-05-02_N-SRF_1	2022-05-02 - < 0.010 2022-05-02	< 0.000050	0.0072	19.2	0.00103	0.00108	0.772	7.76	< 0.000010	3.84	0.137	< 0.000010	< 0.00010	< 0.00030	0.000937	< 0.0010
EV_MC2	EV MC2 WS 2022-05-03 N-SRF	2022-05-02	-	-	20		-	0.79		-	4.18		-	-			
EV_MC2	EV MC2 WS 2022-05 MON N	2022-05-03 - < 0.010		0.0069	17.6	0.00131	0.00095	0.705	6.68	< 0.000010	3.49	0.136	< 0.000010	< 0.00010	< 0.00030	0.000787	< 0.0010
EV MC2	EV MC2 WS 2022-05-04 N-SRF	2022-05-04	-	-	16.3	-	-	0.756	-	-	3.28	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-05-05 N-SRF	2022-05-05	_	-	17.5	_	-	0.798	-	_	3.75	_	-	_	_	-	-
EV MC2	EV MC2 WS 2022-05-06 N-SRF	2022-05-06	-	-	9.83	-	-	0.564	-	-	2.19	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-07_N-SRF	2022-05-07	-	-	13.9	-	-	0.605	1	-	2.9	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-08_N-SRF	2022-05-08	-	-	15	-	-	0.636	-	-	3.15	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-09_N-SRF	2022-05-09 - 0.015	< 0.000050	0.0068	14.7	0.00137	0.00109	0.706	5.48	< 0.000010	3.44	0.118	< 0.000010	< 0.00010	< 0.00030	0.000635	0.001
EV_MC2	EV_MC2_WS_2022-05-10_N-SRF	2022-05-10	-	-	18.6	-	-	0.751	-	-	4.22	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-11_N-SRF	2022-05-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05_WEK20_N	2022-05-11 - < 0.010		0.0067	15.9	0.00123	0.00116	0.673	4.88	< 0.000010	3.62	0.129	< 0.000010	< 0.00010	< 0.00030	0.00066	< 0.0010
EV_MC2	EV_MC5_WS_2022-05_WEK20_N	2022-05-11 - < 0.010		0.0064	16.2	0.00124	0.00118	0.68	5.2	< 0.000010	3.65	0.127	< 0.000010	< 0.00010	< 0.00030	0.000635	0.0017
EV_MC2	EV_MC2_WS_2022-05-12_N-SRF	2022-05-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC10_WS_2022-05-12_N-SRF	2022-05-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-05-13_N-SRF EV_MC10_WS_2022-05-13_N-SRF	2022-05-13 2022-05-13	-	-	-	-	-	-		-	-	-	-	-	-	-	-
EV_MC2	EV_MC10_WS_2022-05-13_N-SRF EV_MC2_WS_2022-05-14_N-SRF	2022-05-13	-	-	-	-	-	-		-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-14_N-SRF EV_MC10_WS_2022-05-14_N-SRF	2022-05-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV_MC10_W3_2022-03-14_N-3K1 EV_MC2_WS_2022-05-15_N-SRF	2022-05-14	-	-	-	-	-	_	-	-	-	-	-	-	_	-	-
EV_MC2	EV MC10 WS 2022-05-15 N-SRF	2022-05-15	_	_	_	_	-	_	-	_	-	_	_	_	_	_	_
EV MC2	EV MC2 WS 2022-05-16 N-SRF	2022-05-16 - 0.013	< 0.000050	0.0062	15.3	0.00112	0.001	0.686	5.56	< 0.000010	3.46	0.125	< 0.000010	< 0.00010	< 0.00030	0.000675	0.0025
EV_MC2	EV_MC2_WS_2022-05-16_N-SRF_1	2022-05-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC10_WS_2022-05-16_N-SRF	2022-05-16 - < 0.010	< 0.000050	0.0063	15.9	0.00102	0.00117	0.706	5.52	< 0.000010	3.47	0.128	< 0.000010	< 0.00010	< 0.00030	0.000689	0.0052
EV_MC2	EV_MC2_WS_2022-05_WEK21_N	2022-05-17 - 0.03	< 0.000050	0.0057	13.9	0.00158	0.00138	0.642	4.48	< 0.000010	3.05	0.109	< 0.000010	< 0.00010	0.0005	0.000519	0.0028
EV_MC2	EV_MC5_WS_2022-05_WEK21_N	2022-05-17 - 0.018	< 0.000050	0.0054	13.8	0.00127	0.00135	0.636	4.36	< 0.000010	3.02	0.11	< 0.000010	< 0.00010	< 0.00030	0.00054	0.0015
EV_MC2	EV_MC2_WS_2022-05-17_N-SRF	2022-05-17	-	-	-	-	-	-		-	1	-	-	-	-	=	-
EV_MC2	EV_MC10_WS_2022-05-17_N-SRF	2022-05-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-18_N-SRF	2022-05-18	-	-	-	-	-	-	•	-	-	-	-	-	-	-	-
EV_MC2	EV_MC10_WS_2022-05-18_N-SRF	2022-05-18	-	-	-	-	-	-	-	-	•	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-19_N-SRF	2022-05-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-20_N-SRF	2022-05-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals					
Sample	Sample	Sample Date	Hardness	Aliminim		Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper
Location	ID	(mm/dd/yyyy)		mg	I/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		1(33 23 23 2)		Acute	Chronic		J					Acute			J	Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLMe
Elkview Operation																
EV_MC2	EV_MC2_WS_2022-02-21_N-SRF	2022-05-21	-	-	•	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-22_N-SRF	2022-05-22	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-23_N-SRF	2022-05-23	-	0.00		< 0.00010	0.00016	0.0728	< 0.020	< 0.000050	< 0.010	0.0000219	46	0.00012	< 0.10	0.00027
EV_MC2	EV_MC2_WS_2022-05_WEK22_N	2022-05-24	-	0.0		< 0.00010	0.00017	0.0702	< 0.020	< 0.000050	0.01	0.0000222	44.4	0.00011	< 0.10	0.00087
EV_MC2	EV_MC5_WS_2022-05_WEK22_N	2022-05-24	-	0.0	166	0.00012	0.00017	0.0715	< 0.020	< 0.000050	0.01	0.0000195	49.1	0.00018	< 0.10	0.00058
EV_MC2	EV_MC2_WS_2022-05-24_N-SRF	2022-05-24	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-25_N-SRF	2022-05-25	-			-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-26_N-SRF	2022-05-26	-			-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-27_N-SRF	2022-05-27	-			-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-28_N-SRF	2022-05-28	-			-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-29_N-SRF	2022-05-29	-			-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-30_N-SRF	2022-05-30	-	0.0		< 0.00010	0.00019	0.0588	< 0.020	< 0.000050	< 0.010	0.000021	34.5	0.00016	< 0.10	0.00032
EV_MC2	EV_MC2_WS_2022-05-30_N-SRF_1	2022-05-30	-			-	<u> </u>		-		-	-	-	<u> </u>		-
EV_MC2	EV_MC2_WS_2022-05_WEK23_N	2022-05-31	-	0.0		< 0.00010	0.00016	0.0584	< 0.020	< 0.000050	< 0.010	0.0000226	38.8	0.00013	< 0.10	0.00036
EV_MC2	EV_MC5_WS_2022-05_WEK23_N	2022-05-31	-	0.0		< 0.00010	0.00017	0.0604	< 0.020	< 0.000050	< 0.010	0.0000245	38.3	0.00012	< 0.10	0.00036
EV_MC2	EV_MC2_WS_2022-05-31_N-SRF	2022-05-31	-	•		-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_ 2022-06-01_N-SRF	2022-06-01	-			-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-02_N-SRF	2022-06-02	-			-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-03_N-SRF	2022-06-03	-			-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-04_N-SRF	2022-06-04	-	-		-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-05_N-SRF	2022-06-05	-			-	-	-	-	-		- 0.000007	-	-	0 . 4 0	- 0.00054
EV_MC2	EV_MC2_WS_2022-06-06_N-SRF	2022-06-06	-	0.0		< 0.00010	0.00021	0.0485	< 0.020	< 0.000050	< 0.010	0.0000227	29.3	0.00019	< 0.10	0.00054
EV_MC2	EV_MC2_WS_2022-06_MON_N	2022-06-06	-	0.0		< 0.00010	0.00021	0.0495	< 0.020	< 0.000050	< 0.010	0.0000202	30.7	0.00013	< 0.10	0.00031
EV_MC2	EV_MC5_WS_2022-06_MON_N	2022-06-06	-	0.0		< 0.00010	0.0002	0.0468	< 0.020	< 0.000050	< 0.010	0.0000198	30.6	0.00011	< 0.10	0.00031
EV_MC2	EV_MC2_WS_2022_Q2_WK4_N	2022-06-07	-	0.0		< 0.00010	0.00017	0.0455	< 0.020	< 0.000050	< 0.010	0.0000204	35.2	0.0002	< 0.10	0.00028
EV_MC2	EV_MC2_WS_2022-06-07_N-SRF	2022-06-07	-	•		-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-08_N-SRF	2022-06-08	-	•		-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-09_N-SRF	2022-06-09	-	•		-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-06-10_N-SRF EV_MC2_WS_2022-06-11_N-SRF	2022-06-10 2022-06-11	-	-	•	-	-	-	-	-	-	<u>-</u> -	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-11_N-SRF EV_MC2_WS_2022-06-12_N-SRF		-				-	-	-	-				-	-	-
EV_MC2	EV_MC2_WS_2022-06-12_N-SRF EV_MC2_WS_2022-06-13_N-SRF	2022-06-12 2022-06-13	-	0.0		< 0.00010	0.00019	0.0484	< 0.020	< 0.000050	< 0.010	0.00023	29.7	0.00021	< 0.10	0.00032
EV_MC2	EV_MC2_WS_2022-06-13_N-SRF EV_MC2_WS_2022-06_WEK25_N	2022-06-13	+-	0.0		< 0.00010	0.00019	0.0485	< 0.020	< 0.000050	< 0.010	0.000023	28.9	0.00021	< 0.10	0.00032
EV_MC2	EV_MC2_WS_2022-06_WEK25_N EV_MC5_WS_2022-06_WEK25_N	2022-06-13	+ -	0.02		< 0.00010	0.00022	0.0485	< 0.020	< 0.000050	< 0.010	0.0000247	28	0.00016	< 0.10	0.00041
EV_MC2	EV_MC3_WS_2022-00_WER25_N EV_MC2_WS_2022_Q2_WK5_N	2022-06-13	+ -	0.0		< 0.00010	0.00021	0.0463	< 0.020	< 0.000050	< 0.010	0.0000282	32	0.0002	< 0.10	0.00042
EV_MC2	EV_MC2_WS_2022_Q2_WK5_N EV_MC2_WS_2022-06-14_N-SRF	2022-06-14	+-	0.0			-	0.0459	- 0.020	~ 0.000000	- 0.010	0.0000220	- 32	- 0.00016	- 0.10	-
EV_MC2	EV_MC2_WS_2022-06-14_N-SRF EV_MC2_WS_2022-06-15_N-SRF	2022-06-14	-			-	-	-	-	-	-	<u>-</u>	-			
EV_MC2	EV_MC2_WS_2022-06-15_N-3RF EV_MC2_WS_2022-06-16_N-SRF	2022-06-16				-	-	-	-	-	-	-	-			
EV MC2	EV MC2 WS 2022-06-17 N-SRF	2022-06-17	_			-	-	-	-	-	-	-	-		-	-
EV MC2	EV MC2 WS 2022-06-17 N-SRF	2022-06-17				-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-06-19 N-SRF	2022-06-19			•	-		-	-	-	-	-	-			-
EV MC2	EV_MC2_WS_2022-06-19_N-SRF	2022-06-20		0.00		< 0.00010	0.0002	0.047	< 0.020	< 0.000050	< 0.010	0.0000167	33.7	0.00014	< 0.10	0.00029
EV MC2	EV MC2 WS 2022-06-20 N-SRF	2022-06-21	_			- 0.00010	-	- 0.047	- 0.020		- 0.010	-	-	-	- 0.10	-
EV MC2	EV MC2 WS 2022-06-21 N-6K1	2022-06-21		0.00		< 0.00010	0.0002	0.0479	< 0.020	< 0.000050	< 0.010	0.0000213	34.1	0.00013	< 0.10	0.00031
EV MC2	EV_MC5_WS_2022-06_WEK26_N	2022-06-21		0.00		< 0.00010	0.00017	0.0507	< 0.020	< 0.000050	< 0.010	0.0000209	34.3	0.00013	< 0.10	0.00029
EV MC2	EV MC2 WS 2022-06-22 N-SRF	2022-06-22				-	-	-	- 0.020	-		-	-	-	-	-
EV MC2	EV_MC2_WS_2022-06-23_N-SRF	2022-06-23				-	-	-	-	-	-	-	-		-	-
EV MC2	EV_MC2_WS_2022-06-24_N-SRF	2022-06-24				-	-	-	_	-	-	-	_	_	_	-
EV MC2	EV MC2 WS 2022-06-25 N-SRF	2022-06-25				_	_	_	_	_	-	-	-	_	-	-
EV MC2	EV MC2 WS 2022-06-26 N-SRF	2022-06-26				-	-	-	-	_	-	-	-	_	-	-
			1	I .		1		1	1	1	1	I	1			-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals							
Sample	Sample	Sample Date	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation	EV MOO MO 0000 00 04 N 0DE	0000 05 04				_		1	Г		1			1		Г	1	1
EV_MC2	EV_MC2_WS_2022-02-21_N-SRF	2022-05-21 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-05-22_N-SRF EV_MC2_WS_2022-05-23_N-SRF	2022-05-22 - 2022-05-23 -	< 0.010	< 0.000050	0.0065	16.8	0.00101	0.00138	0.666	6.02	< 0.000010	3.08	0.126	< 0.000010	< 0.00010	< 0.00030	0.000738	0.0027
EV_MC2	EV_MC2_W3_2022-03-23_N-3RF EV_MC2_WS_2022-05_WEK22_N	2022-05-24 -	0.01	< 0.000050	0.0068	16.8	0.00101	0.00154	0.589	6.02	< 0.000010	3.08	0.120	< 0.000010	0.00010	< 0.00030	0.000736	0.0027
EV_MC2	EV MC5 WS 2022-05 WEK22 N	2022-05-24 -	0.016	< 0.000050	0.0072	17.3	0.00034	0.00154	0.607	6.69	< 0.000010	3.17	0.113	< 0.000010	< 0.00010	< 0.00030	0.000706	0.0022
EV MC2	EV MC2 WS 2022-05-24 N-SRF	2022-05-24 -	-	-	-	-	-	-	-	-	- 0.000010	-	-		-	-	-	-
EV MC2	EV MC2 WS 2022-05-25 N-SRF	2022-05-25 -	_	_	_	-	_	_	_	_	_	-	_	_	-	_	_	_
EV MC2	EV MC2 WS 2022-05-26 N-SRF	2022-05-26 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-27_N-SRF	2022-05-27 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-28_N-SRF	2022-05-28 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-29_N-SRF	2022-05-29 -	-	-	-	-	-	-	-	ı	-	ı	-	-	-	-	1	-
EV_MC2	EV_MC2_WS_2022-05-30_N-SRF	2022-05-30 -	0.011	< 0.000050	0.0044	12.3	0.0011	0.00124	0.525	3.45	0.000012	1.99	0.091	< 0.000010	< 0.00010	< 0.00030	0.000519	0.001
EV_MC2	EV_MC2_WS_2022-05-30_N-SRF_1	2022-05-30 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05_WEK23_N	2022-05-31 -	0.01	< 0.000050	0.0056	13.7	0.00104	0.00124	0.537	4.54	< 0.000010	2.28	0.0985	< 0.000010	< 0.00010	< 0.00030	0.000506	< 0.0010
EV_MC2	EV_MC5_WS_2022-05_WEK23_N	2022-05-31 -	0.01	< 0.000050	0.0055	13.1	0.0011	0.00125	0.521	4.57	< 0.000010	2.3	0.0967	< 0.000010	< 0.00010	< 0.00030	0.000517	< 0.0010
EV_MC2	EV_MC2_WS_2022-05-31_N-SRF	2022-05-31 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_ 2022-06-01_N-SRF	2022-06-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-02_N-SRF	2022-06-02 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-06-03_N-SRF EV MC2 WS 2022-06-04 N-SRF	2022-06-03 - 2022-06-04 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-04_N-SRF EV_MC2_WS_2022-06-05_N-SRF	2022-06-05 -		-	<u>-</u>	-	_	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-05_N-SRF	2022-06-06 -	0.015	< 0.000050	0.0036	9.37	0.00152	0.00109	0.473	2.44	< 0.000010	1.51	0.0772	< 0.000010	< 0.00010	< 0.00030	0.000389	0.0031
EV_MC2	EV MC2 WS 2022-06 MON N	2022-06-06 -	< 0.010	< 0.000050	0.0030	11.1	0.00134	0.00103	0.487	2.91	< 0.000010	1.61	0.0772	< 0.000010	< 0.00010	< 0.00030	0.000303	< 0.0010
EV_MC2	EV MC5 WS 2022-06 MON N	2022-06-06 -	0.011	< 0.000050	0.0032	10.5	0.00134	0.00131	0.455	2.79	< 0.000010	1.53	0.0730	< 0.000010	< 0.00010	< 0.00030	0.000415	< 0.0010
EV MC2	EV MC2 WS 2022 Q2 WK4 N	2022-06-07 -	0.015	< 0.000050	0.0041	9.88	0.00120	0.00063	0.462	2.81	< 0.000010	1.44	0.0852	< 0.000010	< 0.00010	< 0.00030	0.00044	< 0.0010
EV MC2	EV MC2 WS 2022-06-07 N-SRF	2022-06-07 -	-	-	-	-	-	-	-	-	-	_	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-06-08 N-SRF	2022-06-08 -	_	_	-	-	_	_	-	_	-	_	-	_	-	_	_	-
EV MC2	EV MC2 WS 2022-06-09 N-SRF	2022-06-09 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-10_N-SRF	2022-06-10 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-11_N-SRF	2022-06-11 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-12_N-SRF	2022-06-12 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-13_N-SRF	2022-06-13 -	0.015	< 0.000050	0.0035	9.33	0.00174	0.00097	0.472	2.64	0.000026	1.35	0.0731	< 0.000010	< 0.00010	< 0.00030	0.00037	< 0.0010
EV_MC2	EV_MC2_WS_2022-06_WEK25_N	2022-06-13 -	0.027	< 0.000050	0.0037	9.81	0.00102	0.00095	0.501	2.73	< 0.000010	1.47	0.0764	< 0.000010	< 0.00010	0.0019	0.000388	< 0.0010
EV_MC2	EV_MC5_WS_2022-06_WEK25_N	2022-06-13 -	0.032	< 0.000050	0.0034	9.55	0.00112	0.00094	0.491	2.7	< 0.000010	1.4	0.0708	< 0.000010	< 0.00010	0.00204	0.000382	< 0.0010
EV_MC2	EV_MC2_WS_2022_Q2_WK5_N	2022-06-14 -	0.012	< 0.000050	0.0036	9.7	0.0019	0.00095	0.491	2.86	< 0.000010	1.63	0.0841	< 0.000010	< 0.00010	< 0.00030	0.000404	< 0.0010
EV_MC2	EV_MC2_WS_2022-06-14_N-SRF	2022-06-14 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EV_MC2	EV_MC2_WS_2022-06-15_N-SRF	2022-06-15 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EV_MC2	EV_MC2_WS_2022-06-16_N-SRF	2022-06-16 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EV_MC2 EV MC2	EV_MC2_WS_2022-06-17_N-SRF EV_MC2_WS_2022-06-18_N-SRF	2022-06-17 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-06-18_N-SRF EV_MC2_WS_2022-06-19_N-SRF	2022-06-18 - 2022-06-19 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-19_N-SRF EV_MC2_WS_2022-06-20_N-SRF	2022-06-19 -	< 0.010	< 0.000050	0.0044	11.4	0.0015	0.00094	0.483	3.58	< 0.000010	1.65	0.0834	< 0.000010	< 0.00010	< 0.00030	0.000435	0.0015
EV_MC2	EV MC2 WS 2022-06-20 N-SRF	2022-06-21 -	- 0.010	- 0.000030	0.0044	- 11.4	0.0015	-	0.463	3.30	- 0.000010	1.00	0.0634	- 0.000010	- 0.00010	- 0.00030	0.000433	0.0013
EV_MC2	EV_MC2_W3_2022-00-21_N-3RF EV_MC2_WS_2022-06_WEK26_N	2022-06-21 -	< 0.010	< 0.000050	0.0044	11.7	0.00163	0.00099	0.479	4.08	< 0.000010	1.84	0.0843	< 0.000010	< 0.00010	< 0.00030	0.000426	< 0.0010
EV_MC2	EV_MC2_WG_2022-06_WER26_N	2022-06-21 -	< 0.010	< 0.000050	0.0044	11.9	0.00164	0.00096	0.486	4.27	< 0.000010	1.85	0.0869	< 0.000010	< 0.00010	< 0.00030	0.000420	< 0.0010
EV_MC2	EV MC2 WS 2022-06-22 N-SRF	2022-06-22 -		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-06-23 N-SRF	2022-06-23 -	-	_	_	-	_	-	_	-	-	-	_	_	-	_	-	-
EV MC2	EV MC2 WS 2022-06-24 N-SRF	2022-06-24 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-06-25 N-SRF	2022-06-25 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-26_N-SRF	2022-06-26 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolve	ed Metals					
					=							_		_		
			ssət			lony	<u>.</u> 2	Ε	ryllium	£	_	mniu m	돌	niu n	±	ē
			ardı	8		ntin	rser	ariu	- Φ	is is	oro	adn	Calcium	h io	oba	ddo
Sample Location	Sample ID	Sample Date (mm/dd/yyyy)		mo	<u>t</u> a/L	Mg/L	∢ mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ကg/L	mg/L
		[(·····: a. a. j j j j j /	<u>s</u>		onic	g/=		9/=		9.=		i i		g.=	g. =	ute
				Acute	Chror							Acute				Acute
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Elkview Operation	EV MOS WO 2000 00 07 N ODE	1 0000 00 07		0.0	052	- 0 00040	0.00040	0.0540		. 0 000050	. 0.040	0.00000	100	0.00044	. 0.40	1 0 0000
EV_MC2 EV MC2	EV_MC2_WS_2022-06-27_N-SRF EV_MC2_WS_2022-06-28_N-SRF	2022-06-27 2022-06-28	-	0.0		< 0.00010	0.00018	0.0548	< 0.020	< 0.000050	< 0.010	0.000025	46.6		< 0.10	0.0003
EV_MC2	EV_MC2_WS_2022-06-26_N-SRF EV_MC2_WS_2022-06_WEK27_N	2022-06-28	-		- 085	< 0.00010	0.00017	0.0562	< 0.020	< 0.000050	< 0.010	0.0000246	42	0.00014	< 0.10	0.00025
EV_MC2	EV_MC2_W3_2022-00_WER27_N EV_MC5_WS_2022-06_WER27_N	2022-06-28	-		064	< 0.00010	0.00017	0.0555	< 0.020	< 0.000050	< 0.010	0.0000240	43.4	0.00014	< 0.10	0.00025
EV MC2	EV MC2 WS 2022-06-29 N-SRF	2022-06-29	_		-	- 0.00010	-	-	- 0.020	-	- 0.010	-	-	-	- 0.10	-
EV MC2	EV MC2 WS 2022-06-30 N-SRF	2022-06-30	-		<u> </u>	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-07-01 N-SRF	2022-07-01	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-02_N-SRF	2022-07-02	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-03_N-SRF	2022-07-03	-		5	-	-	-	-	_	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-04_N-SRF	2022-07-04	-	0.0		< 0.00010	0.0002	0.0632	< 0.020	< 0.000050	< 0.010	0.0000223	47	0.00015	< 0.10	0.00023
EV_MC2	EV_MC2_WS_2022_Q3_N	2022-07-05	-	0.0	055	< 0.00010	0.0002	0.0569	< 0.020	< 0.000050	< 0.010	0.0000181	40.3	0.00015	< 0.10	< 0.00020
EV_MC2	EV_MC2_WS_2022-07-05_N-SRF	2022-07-05	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-06_N-SRF	2022-07-06	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-07_N-SRF	2022-07-07	-			-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-08_N-SRF	2022-07-08	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-07-09_N-SRF EV_MC2_WS_2022-07-10_N-SRF	2022-07-09 2022-07-10	-		-	-	<u>-</u>	-	-	-	-	<u>-</u> -	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-10_N-SRF EV_MC2_WS_2022-07-11_N-SRF	2022-07-10		0.0		< 0.00010	0.00017	0.0689	< 0.020	< 0.000050	< 0.010	0.0000249	56	0.00012	< 0.10	0.00025
EV_MC2	EV MC2_WS_2022-07-11_N-3RF	2022-07-11	-	0.0		< 0.00010	0.00017	0.0009	< 0.020	< 0.000050	< 0.010	0.0000243	49.1	0.00012	< 0.10	0.00023
EV_MC2	EV_MC5_WS_2022-07_WER29_N	2022-07-12	H	0.0		< 0.00010	0.00013	0.0733	< 0.020	< 0.000050	< 0.010	0.0000170	47.9	0.00014	< 0.10	0.00026
EV MC2	EV MC2 WS 2022-07-12 N-SRF	2022-07-12	-		-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-07-13 N-SRF	2022-07-13	-		-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-07-14 N-SRF	2022-07-14	-			-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-15_N-SRF	2022-07-15	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-16_N-SRF	2022-07-16	-		5	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-17_N-SRF	2022-07-17	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-18_N-SRF	2022-07-18	-	0.0	027	< 0.00010	0.00018	0.0823	< 0.020	< 0.000050	0.012	0.0000226	55.3	0.00016	< 0.10	< 0.00020
EV_MC2	EV_MC2_WS_2022-07-19_N-SRF	2022-07-19	-			-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-20_N-SRF	2022-07-20	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-21_N-SRF	2022-07-21	-		-	-	-	-	-	-	-	•	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-22_N-SRF	2022-07-22	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-23_N-SRF	2022-07-23	-		-	-	-	-	-	-	-		-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-07-24_N-SRF EV_MC2_WS_2022-07-25_N-SRF	2022-07-24 2022-07-25	-		<u>-</u> -	-	-	-	-	-	-	<u>-</u> -	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-25_N-SRF EV_MC2_WS_2022-07-26_N-SRF	2022-07-25	-		-	-	<u> </u>	-	-	-	-	<u>-</u>	-	-	-	-
EV_MC2	EV MC2 WS 2022-07-27 N-SRF	2022-07-20			<u>- </u>	-		-	-	-	-	<u> </u>	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-27_N-3RF EV_MC2_WS_2022-07-28_N-SRF	2022-07-28	-		-	+ -		-	-	-		<u> </u>	+ -	-		
EV MC2	EV MC2 WS 2022-07-29 N-SRF	2022-07-29				-	_	_	_	-	_	<u>-</u>	-	-	-	-
EV MC2	EV MC2 WS 2022-07-30 N-SRF	2022-07-30	-		=	-	-	-	-	_	-	-	-	_	-	-
EV MC2	EV MC2 WS 2022-07-31 N-SRF	2022-07-31	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-01_N-SRF	2022-08-01	-	< 0.0	0010	< 0.00010	0.00014	0.0898	< 0.020	< 0.000050	0.01	0.0000198	57.4	0.00014	< 0.10	< 0.00020
EV_MC2	EV_MC2_WS_2022-08-02_N-SRF	2022-08-02	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-03_N-SRF	2022-08-03	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-04_N-SRF	2022-08-04	-		-	-	-	-	-	-	-	-	-	1-1	-	-
EV_MC2	EV_MC2_WS_2022-08-05_N-SRF	2022-08-05	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-06_N-SRF	2022-08-06	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-07_N-SRF	2022-08-07	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-08_N-SRF	2022-08-08	-		-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-09_N-SRF	2022-08-09	-		-	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-10_N-SRF	2022-08-10	-		-	-	-	-	-	-	-	<u>-</u>	-	-	-	-

< Denotes concentration less than indicated detection limit

n/a denotes no applicable standard

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissol	ved Metals							
						Ē	Se		u				_					
O. wash	O	ardness	uo	ead	ithium	lagnesit	langane	ickel	otassiu	elenium	ilver	odium	trontiun	hallium	<u>.c</u>	itanium	ranium	Zinc
Sample Location	Sample ID	Sample Date ゴ (mm/dd/yyyy) mg/L	<u>=</u>	mg/L	mg/L	≥ ma/l	≥ mg/l	mg/L	 mg/L	თ μg/L	σ mg/l	σ mg/l	σ mg/l	—————————————————————————————————————	⊢ mg/L	⊢ mg/L	⊃ 	- '1
Location	l lib	[(IIIII/dd/yyyy) IIIg/L	mg/L	IIIg/L	IIIg/L	mg/L	mg/L	IIIg/L	IIIg/L	µg/L	mg/L	mg/L	mg/L	IIIg/L	IIIg/L	IIIg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation	EV MO2 WC 2022 00 27 N CDE	1 2022 00 27 1	10.010	4 0 000000	0.0070	10.0	0.00455	0.00400	0.000	0.7	z 0 000010	2.0	0.440	10.000010	± 0.00040	10,00000	0.000040	1 .0.0040
EV_MC2	EV_MC2_WS_2022-06-27_N-SRF	2022-06-27 -	< 0.010	< 0.000050	0.0078	16.8	0.00155	0.00106	0.626	6.7	< 0.000010	2.9	0.112	< 0.000010	< 0.00010	< 0.00030	0.000642	< 0.0010
EV_MC2 EV MC2	EV_MC2_WS_2022-06-28_N-SRF EV_MC2_WS_2022-06_WEK27_N	2022-06-28 - 2022-06-28 -	< 0.010	< 0.000050	0.0062	14.1	0.00142	0.00107	0.547	5.42	< 0.000010	2.14	0.104	< 0.000010	< 0.00010	< 0.00030	0.000622	< 0.0010
EV_MC2	EV_MC2_WS_2022-06_WER27_N EV_MC5_WS_2022-06_WER27_N	2022-06-28 -	< 0.010	< 0.000050	0.0062	13.7	0.00142	0.00107	0.547	5.42	< 0.000010	2.14	0.104	< 0.000010	< 0.00010	< 0.00030	0.000622	< 0.0010
EV_MC2	EV MC2 WS 2022-06-29 N-SRF	2022-06-29 -	< 0.010	< 0.000050	0.0062	13.7	0.00136	0.00112	0.549	5.20	- 0.000010	<u> </u>	0.102	< 0.000010	< 0.00010	< 0.00030	0.00064	- 0.0010
EV_MC2	EV MC2 WS 2022-06-30 N-SRF	2022-06-30 -	-	-	-	-	-		-		-		-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-30_N-SRF EV_MC2_WS_2022-07-01_N-SRF	2022-06-30 -	-	-	-	-	-	_	-	-	-		-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-01_N-SRF EV_MC2_WS_2022-07-02_N-SRF	2022-07-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-02_N-SRF EV_MC2_WS_2022-07-03_N-SRF	2022-07-02 -	-	-	-	-	-	-	-	-	-	<u> </u>	-	-	-	-	-	-
EV_MC2	EV MC2 WS 2022-07-03_N-SRF	2022-07-03 -	< 0.010	< 0.000050	0.0066	17	0.00136	0.00125	0.631	6.7	< 0.000010	2.52	0.116	< 0.000010	< 0.00010	< 0.00030	0.000712	0.0179
EV_MC2	EV MC2 WS 2022-07-04 N-SRF	2022-07-04 -	< 0.010	< 0.000050	0.0058	14.7	0.00130	0.00123	0.583	5.18	< 0.000010	2.32	0.110	< 0.000010	< 0.00010	< 0.00030	0.000712	< 0.0010
EV MC2	EV MC2 WS 2022-07-05 N-SRF	2022-07-05 -		-	-	-	-	-	-	-	-	-	0.102	-	-	-	-	- 0.0010
EV MC2	EV MC2 WS 2022-07-06 N-SRF	2022-07-06 -	-	_	_	_	_	_	_	-	-		-	_	-	-	-	-
EV MC2	EV MC2 WS 2022-07-07 N-SRF	2022-07-07 -	_	_	_	_		_	_	-	_	_	_	_	_	_	_	_
EV MC2	EV MC2 WS 2022-07-08 N-SRF	2022-07-08 -	_	_	_	_		_	_	-	_	_	_	_	_	_	_	_
EV MC2	EV MC2 WS 2022-07-09 N-SRF	2022-07-09 -	-		_	-	-	_	_		-		-	-	-	-	_	-
EV MC2	EV MC2 WS 2022-07-03_N-SRF	2022-07-10 -	_	_	_	_		_	_	_	_	_	_	_	_	_	_	_
EV MC2	EV MC2 WS 2022-07-10 N-SRF	2022-07-10	< 0.010	< 0.000050	0.01	20.6	0.00143	0.00139	0.781	9.09	< 0.000010	3.44	0.136	< 0.000010	< 0.00010	< 0.00030	0.000868	0.0028
EV MC2	EV MC2 WS 2022-07 WEK29 N	2022-07-12 -	< 0.010	< 0.000050	0.0084	19.2	0.00135	0.00146	0.754	9.37	< 0.000010	2.8	0.134	< 0.000010	< 0.00010	< 0.00030	0.000882	< 0.0010
EV MC2	EV MC5 WS 2022-07 WEK29 N	2022-07-12 -	< 0.010	< 0.000050	0.0076	18.8	0.00132	0.00138	0.727	9.24	< 0.000010	2.66	0.13	< 0.000010	< 0.00010	< 0.00030	0.000896	< 0.0010
EV MC2	EV MC2 WS 2022-07-12 N-SRF	2022-07-12 -	-	-	-	-	- 0.00102	-	-	-	-	-	-		-	-	-	-
EV MC2	EV MC2 WS 2022-07-13 N-SRF	2022-07-13 -	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_
EV MC2	EV MC2 WS 2022-07-14 N-SRF	2022-07-14 -	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_
EV MC2	EV MC2 WS 2022-07-15 N-SRF	2022-07-15 -	_	_	-	_	-	_	_	_	_	_	-	-	_	-	-	_
EV MC2	EV MC2 WS 2022-07-16 N-SRF	2022-07-16 -	-	_	-	-	-	_	-	_	_	_	-	_	_	-	_	-
EV MC2	EV MC2 WS 2022-07-17 N-SRF	2022-07-17 -	_	_	-	_	-	_	_	_	_	_	-	_	_	-	_	_
EV MC2	EV MC2 WS 2022-07-18 N-SRF	2022-07-18 -	< 0.010	< 0.000050	0.0107	23.1	0.0015	0.00146	0.87	12.2	< 0.000010	3.45	0.148	< 0.000010	< 0.00010	< 0.00030	0.00101	0.0051
EV MC2	EV MC2 WS 2022-07-19 N-SRF	2022-07-19 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-07-20 N-SRF	2022-07-20 -	_	_	_	-	-	_	-	-	-	_	-	_	-	-	-	_
EV MC2	EV MC2 WS 2022-07-21 N-SRF	2022-07-21 -	-	-	-	-	-	-	-	-	-	-	-	_	-	-	-	-
EV MC2	EV MC2 WS 2022-07-22 N-SRF	2022-07-22 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-07-23 N-SRF	2022-07-23 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-24_N-SRF	2022-07-24 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-25_N-SRF	2022-07-25 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-07-26 N-SRF	2022-07-26 -	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_ 2022-07-27_N-SRF	2022-07-27 -	-	-	-	-	-	-	-	-	-	_	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-28_N-SRF	2022-07-28 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-29_N-SRF	2022-07-29 -	-	-	ı	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-30_N-SRF	2022-07-30 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-31_N-SRF	2022-07-31 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-01_N-SRF	2022-08-01 -	< 0.010	< 0.000050	0.0087	22.8	0.00155	0.0009	0.76	9.51	< 0.000010	3.29	0.152	< 0.000010	< 0.00010	< 0.00030	0.000955	0.0049
EV_MC2	EV_MC2_WS_2022-08-02_N-SRF	2022-08-02 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-03_N-SRF	2022-08-03 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-04_N-SRF	2022-08-04 -	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-05_N-SRF	2022-08-05 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-06_N-SRF	2022-08-06 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-07_N-SRF	2022-08-07 -	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV_MC2_WS_2022-08-08_N-SRF	2022-08-08 -	-	-	-	-	-	-	-	-	-	_	-	-	-	-	-	-
EV_MC2 EV_MC2	EV_MC2_WS_2022-08-09_N-SRF EV_MC2_WS_2022-08-10_N-SRF	2022-08-09 -	-	-	ı	-	-	-	-	-	-	-	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissolve	ed Metals						
Sample	Sample	Sample Date		Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron		Cadmin	Calcium	Chromium	Cobalt	Copper
Location	ID	(mm/dd/yyyy)) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	m	g/L ໄ ບ	mg/L	mg/L	mg/L	mg/L
				Acute							Acute	Chronic				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a 0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a	0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Elkview Operation				0.0011							2.00	20111	1			0.00000
EV_MC2	EV_MC2_WS_2022-08_MON_N	2022-08-10	+	0.0011	0.00011	0.00019	0.111	< 0.020	< 0.000050	0.015		00444	82.4	0.00016	< 0.10	0.00022
EV_MC2	EV_MC2_WS_2022-08-11_N-SRF	2022-08-11	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-12_N-SRF	2022-08-12	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-08-13_N-SRF EV_MC2_WS_2022-08-14_N-SRF	2022-08-13 2022-08-14	+ -	- -	-	-	-	-	-	-		<u>-</u> -	-	-	-	-
EV_MC2	EV MC2 WS 2022-06-14 N-SRF	2022-08-15	-	0.0027	0.00011	0.00017	0.109	< 0.020	< 0.000050	0.014		00274	71.8	0.00019	< 0.10	0.0002
EV_MC2	EV MC2 WS 2022-08-16 N-SRF	2022-08-16	+-	-	0.00011	0.00017	0.109	- 0.020	< 0.000030	0.014	0.000	-	71.0	0.00019	- 0.10	-
EV_MC2	EV MC2 WS 2022 Q3 WK1 N	2022-08-16	+ -	< 0.0010	0.00011	0.0002	0.106	< 0.020	< 0.000050	0.013	0.000	00323	83.2	0.00012	< 0.10	< 0.00020
EV MC2	EV MC2 WS 2022-08-17 N-SRF	2022-08-17	+ -	-	-		-	- 0.020	- 0.000030	- 0.013		-	- 00.2	-	- 0.10	- 0.00020
EV MC2	EV MC2 WS 2022-08-18 N-SRF	2022-08-18	+ -		_	_	_	_	-	_		-	_	-	-	-
EV MC2	EV MC2 WS 2022-08-19 N SRF	2022-08-19	-	-	_	_	_	_	_	_		-	-	-	_	-
EV MC2	EV MC2 WS 2022-08-20 N-SRF	2022-08-20	-		_	_	_	_	_	_		-	-	-	_	-
EV MC2	EV MC2 WS 2022-08-21 N-SRF	2022-08-21	-	-	-	_	_	-	-	-		-	-	-	-	-
EV MC2	EV MC2 WS 2022-08-22 N-SRF	2022-08-22	-	-	-	_	_	-	-	_		-	-	-	-	-
EV MC2	EV MC2 WS 2022-08-23 N-SRF	2022-08-23	-	-	-	_	_	-	-	_		-	-	-	-	-
EV MC2	EV MC2 WS 2022 Q3 WK2 N	2022-08-23	-	< 0.0010	0.00011	0.0002	0.115	< 0.020	< 0.000050	0.016	0.000	00354	83.4	0.00018	< 0.10	< 0.00020
EV MC2	EV MC2 WS 2022-08-24 N-SRF	2022-08-24	-	-	-	-	-	-	-	-		-	-	1	-	-
EV MC2	EV MC2 WS 2022-08-25 N-SRF	2022-08-25	-	-	-	-	_	-	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-26_N-SRF	2022-08-26	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-27_N-SRF	2022-08-27	-	-	-	-	-	-	-	-		-	-	ı	-	-
EV_MC2	EV_MC2_WS_2022-08-28_N-SRF	2022-08-28	-	-	-	-	-	-	-	-		-	-	1	-	-
EV_MC2	EV_MC2_WS_2022-08-29_N-SRF	2022-08-29	-	0.0014	< 0.00010	0.00016	0.141	< 0.020	< 0.000050	0.014	0.000	00331	80.1	0.00015	< 0.10	< 0.00020
EV_MC2	EV_MC2_WS_2022-08-30_N_SRF	2022-08-30	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022_Q3_WK3_N	2022-08-30	-	0.001	0.0001	0.0002	0.114	< 0.020	< 0.000050	0.013		00259	74.4	0.00012	< 0.10	< 0.00020
EV_MC2	EV_MC2_WS_2022-08-31_N_SRF	2022-08-31	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-01_N-SRF	2022-09-01	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-02_N-SRF	2022-09-02	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-03_N-SRF	2022-09-03	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-04_N-SRF	2022-09-04	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-05_N-SRF	2022-09-05	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-09-06_N-SRF EV_MC2_WS_2022-09_MON_N	2022-09-06 2022-09-06	-	0.0028	< 0.00010	0.00015	0.14	- < 0.020	< 0.000050	0.017		- 00258	84	0.00017	- < 0.10	0.00026
EV_MC2	EV MC5 WS 2022-09 MON N	2022-09-06	 -	0.0026	< 0.00010	0.00015	0.138	< 0.020	< 0.000050	0.017		0023	82.6	0.00017	< 0.10	0.00020
EV_MC2	EV_MC3_W3_2022-09_MON_N EV_MC2_WS_2022-09-07_N-SRF	2022-09-07	-	-	- 0.00010	-	-	- 0.020	- 0.000000	- 0.010		-	-	-	- 0.10	-
EV_MC2	EV MC2 WS SEPT-2022 N	2022-09-07	+ -	0.0018	0.0001	0.00018	0.129	< 0.020	< 0.000050	0.014		00208	73.8	0.00013	< 0.10	< 0.00020
EV MC2	EV MC2 WS 2022-09-08 N-SRF	2022-09-08	-	-	-	-	-	-	-	-		-	-	-	-	-
EV MC2	EV MC2 WS 2022-09-09 N-SRF	2022-09-09	-	-	-	_	_	-	-	-		-	-	-	-	_
EV MC2	EV MC2 WS 2022-09-09 N	2022-09-09		0.001	< 0.00010	0.00015	0.135	< 0.020	< 0.000050	0.018	0.000	00234	85.1	0.00014	< 0.10	< 0.00020
EV MC2	EV MC2 WS 2022-09-10 N-SRF	2022-09-10		-	-	-	-	-	-	-		-	-	-	-	-
EV MC2	EV MC2 WS 2022-09-11 N-SRF	2022-09-11	-	-	-	-	-	-	-	-		-	-	1	-	-
EV_MC2	EV_MC2_WS_2022-09-12_N-SRF	2022-09-12	-	< 0.0010	< 0.00010	0.00014	0.0936	< 0.020	< 0.000050	0.011	0.000	00215	69.6	0.00011	< 0.10	< 0.00020
EV_MC2	EV_MC2_WS_2022-09-13_N-SRF	2022-09-13	_	-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022_Q3_WK5_N	2022-09-13		0.0018	0.00012	0.00017	0.124	< 0.020	< 0.000050	0.016	0.000	00364	88.3	0.00019	< 0.10	< 0.00020
EV_MC2	EV_MC2_WS_ 2022-09-14_N-SRF	2022-09-14		-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-15_N-SRF	2022-09-15		-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-16_N-SRF	2022-09-16		-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-17_N-SRF	2022-09-17		-	-	-	-	-	-	-		-	-	1	-	-
EV_MC2	EV_MC2_WS_2022-09-18_N-SRF	2022-09-18		-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-19_N-SRF	2022-09-19		-	-	-	-	-	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-20_N-SRF	2022-09-20		-	-	-	-	-	-	-		-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ved Metals							
Sample	Sample	Sample Date	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation	EV MOS MIS 2000 OR MON N	0000 00 40	10.010	10,000050	0.0400	27.0	0.0040	0.00400	4.07	45.5	± 0.000040	F 00	0.044	0.00004	4.0.00040	± 0.00000	0.00450	0.0040
EV_MC2 EV MC2	EV_MC2_WS_2022-08_MON_N EV_MC2_WS_2022-08-11_N-SRF	2022-08-10 - 2022-08-11 -	< 0.010	< 0.000050	0.0198	37.8	0.0018	0.00128	1.27	15.5	< 0.000010	5.68	0.211	0.00001	< 0.00010	< 0.00030	0.00156	0.0012
EV_MC2	EV_MC2_WS_2022-08-11_N-SRF EV_MC2_WS_2022-08-12_N-SRF	2022-08-12 -	-	 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-00-12_N-GRI	2022-08-13 -		+ - +	<u>-</u>	-	_	_			-	-	-		-	-	<u>-</u>	-
EV_MC2	EV MC2 WS 2022-08-14 N-SRF	2022-08-14 -	_			_	_	_	_	_	_	_	_	_	_	_	_	_
EV MC2	EV MC2 WS 2022-08-15 N-SRF	2022-08-15 -	0.01	< 0.000050	0.0145	32	0.00216	0.00156	1.02	18.4	< 0.000010	3.93	0.185	< 0.000010	0.00044	< 0.00030	0.00153	0.008
EV MC2	EV MC2 WS 2022-08-16 N-SRF	2022-08-16 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022_Q3_WK1_N	2022-08-16 -	< 0.010	< 0.000050	0.0178	36.4	0.00196	0.00132	1.14	22.8	< 0.000010	4.87	0.19	< 0.000010	< 0.00010	< 0.00030	0.00153	< 0.0010
EV_MC2	EV_MC2_WS_ 2022-08-17_N-SRF	2022-08-17 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-18_N-SRF	2022-08-18 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-19_N_SRF	2022-08-19 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-20_N-SRF	2022-08-20 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-21_N-SRF	2022-08-21 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-22_N-SRF	2022-08-22 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-23_N-SRF	2022-08-23 -	-	- 0.000050	- 0.0004	-	-	-	-	-	- 0.000040	-	-	- 0.000040	- 0.00040	-	-	-
EV_MC2	EV_MC2_WS_2022_Q3_WK2_N	2022-08-23 -	< 0.010	< 0.000050	0.0204	37.6	0.00188	0.00122	1.19	23.2	< 0.000010	4.98	0.204	< 0.000010	< 0.00010	< 0.00030	0.00154	< 0.0010
EV_MC2	EV_MC2_WS_2022-08-24_N-SRF	2022-08-24 -	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-08-25_N-SRF EV_MC2_WS_2022-08-26_N-SRF	2022-08-25 - 2022-08-26 -	-	 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_W3_2022-08-20_N-3RF EV_MC2_WS_2022-08-27_N-SRF	2022-08-27 -	-	- -	<u> </u>	-	-	_	-	-	-	-	-	-	-	-	<u> </u>	-
EV_MC2	EV MC2 WS 2022-00-27 N-SRF	2022-08-28 -		+	<u>-</u>	-					-	-		-	-		-	-
EV_MC2	EV MC2 WS 2022-08-29 N-SRF	2022-08-29 -	< 0.010	< 0.000050	0.0148	36	0.00177	0.00134	0.924	17.1	< 0.000010	4.33	0.189	< 0.000010	< 0.00010	< 0.00030	0.00126	< 0.0010
EV MC2	EV MC2 WS 2022-08-30 N SRF	2022-08-30 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022 Q3 WK3 N	2022-08-30 -	< 0.010	< 0.000050	0.0134	35.2	0.00152	0.0013	1.03	18.7	< 0.000010	4.12	0.176	< 0.000010	< 0.00010	< 0.00030	0.00158	< 0.0010
EV MC2	EV MC2 WS 2022-08-31 N SRF	2022-08-31 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-09-01 N-SRF	2022-09-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-09-02 N-SRF	2022-09-02 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-03_N-SRF	2022-09-03 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-04_N-SRF	2022-09-04 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-05_N-SRF	2022-09-05 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-06_N-SRF	2022-09-06 -	-	-	-	-	-	-	-	-	-	•	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09_MON_N	2022-09-06 -	< 0.010	< 0.000050	0.0157	38	0.00183	0.00141	1.07	20.5	< 0.000010	4.54	0.2	< 0.000010	< 0.00010	< 0.00030	0.00148	< 0.0010
EV_MC2	EV_MC5_WS_2022-09_MON_N	2022-09-06 -	< 0.010	< 0.000050	0.0154	37.3	0.00175	0.00127	1.05	20	< 0.000010	4.42	0.201	< 0.000010	< 0.00010	< 0.00030	0.00149	0.0021
EV_MC2	EV_MC2_WS_2022-09-07_N-SRF	2022-09-07 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_SEPT-2022_N	2022-09-08 -	< 0.010	< 0.000050	0.0153	35	0.00178	0.00119	1.11	20.9	< 0.000010	4.19	0.192	< 0.000010	< 0.00010	< 0.00030	0.00151	< 0.0010
EV_MC2	EV_MC2_WS_2022-09-08_N-SRF	2022-09-08 -	-	- 1	-	-	-	-	-	-	-	-	-	-	-	-	-	- -
EV_MC2	EV_MC2_WS_2022-09-09_N-SRF	2022-09-09 -	- 0.010	- 0.000050	- 0.0425	- 20.5	- 0.00450	- 0.00420	- 1.02	- 04.0	- 0.000040	4.00	0.405	- 0.000040	- 0.00040	- 0.00000	0.0044	- 0.0010
EV_MC2 EV MC2	EV_MC2_WS_2022-09-09_N EV_MC2_WS_2022-09-10_N-SRF	2022-09-09 - 2022-09-10 -	< 0.010	< 0.000050	0.0135	36.5	0.00158	0.00139	1.03	21.8	< 0.000010	4.33	0.195	< 0.000010		< 0.00030	0.0014	< 0.0010
EV_MC2	EV_MC2_WS_2022-09-10_N-SRF EV_MC2_WS_2022-09-11_N-SRF	2022-09-10 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-11_N-SRF EV_MC2_WS_2022-09-12_N-SRF	2022-09-11 -	< 0.010	< 0.000050	0.017	28.3	0.00126	0.0011	0.934	18	< 0.000010	3.78	0.174	< 0.000010	< 0.00010	< 0.00030	0.00131	< 0.0010
EV_MC2	EV MC2 WS 2022-09-12 N-SRF	2022-09-12 -	- 0.010	- 0.000030	-	20.5	0.00120	-	-	-	- 0.000010	5.76	0.174	- 0.000010	- 0.00010	- 0.00030	-	- 0.0010
EV_MC2	EV MC2 WS 2022 Q3 WK5 N	2022-09-13 -	< 0.010	< 0.000050	0.0185	46.4	0.00174	0.00162	1.5	29.5	< 0.000010	5.79	0.214	< 0.000010	< 0.00010	< 0.00030	0.00167	0.0018
EV_MC2	EV MC2 WS 2022-09-14 N-SRF	2022-09-14 -		-	-	-		-	-	-	- 0.000010	-	-	- 0.000010	-	-	-	-
EV_MC2	EV MC2 WS 2022-09-15 N-SRF	2022-09-15 -	-	_	_	-	_	_	_	-	_	_	_	_	-	_	-	-
EV MC2	EV MC2 WS 2022-09-16 N-SRF	2022-09-16 -	_	_	_	_	_	_	_	_	_	-	_	_	-	_	_	-
EV MC2	EV MC2 WS 2022-09-17 N-SRF	2022-09-17 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-18_N-SRF	2022-09-18 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-19_N-SRF	2022-09-19 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-20_N-SRF	2022-09-20 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

			[Dissolve	ed Metals					
				-									_		
			dness	m F	imony	enic	ii E	ryllium	muth	u _o .	a min m	Calcium	omiun	oalt .	opper
Sample	Sample	Sample Date	Har	Alu.	Ant	Ars	Bar	Ber	Bis	Bor	Сас	Cal	Chr	30	Col
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				te							e.e				ute ronic
				Acut							Acuí				Acut
BC WQG FWAL			n/a	0.020-0.10 ^a 0.005-0.05	a n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLMe
Elkview Operation															
EV_MC2	EV_MC2_WS_2022-09-21_N_SRF	2022-09-21	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_ 2022-09-22_N-SRF	2022-09-22	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-23_N-SRF	2022-09-23	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-24_N-SRF	2022-09-24	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-25_N-SRF	2022-09-25	-	-	-	-			-	-	-	-		-	-
EV_MC2	EV_MC2_WS_2022-09-26_N-SRF	2022-09-26	-	0.0019	0.00011	0.0001	0.123	< 0.020	< 0.000050	0.015	0.0000177	83.9	0.00017	< 0.10	0.0002
EV_MC2	EV_MC2_WS_2022-09-27_N-SRF	2022-09-27	-	<u>-</u>	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-28_N-SRF	2022-09-28	-	<u>-</u>	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-09-29_N-SRF	2022-09-29	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV_MC2	EV_MC2_WS_2022-09-30_N-SRF	2022-09-30	-	-	-	-	-	-	-	-	<u>-</u> -	-	-	-	-
EV_MC2	EV_MC2_WS_2022-10-01_N-SRF EV_MC2_WS_2022-10-02_N-SRF	2022-10-01 2022-10-02	-		-	-	<u> </u>	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-10-02_N-3RF EV_MC2_WS_2022-10-03_N-SRF	2022-10-02	-	< 0.0010	0.00011	0.00014	0.135	< 0.020	< 0.000050	0.013	0.0000254	91.3	0.0003	< 0.10	< 0.00020
EV_MC2	EV MC2 WS 2022-10-03 N-SRF	2022-10-03	-		0.00011	- 0.00014	-	- 0.020	- 0.000030	-	-	91.3	-	- 0.10	- 0.00020
EV_MC2	EV MC2 WS 2022-10-04 N-SRF	2022-10-04	-		-	-			-	-	<u>-</u>	-	-	-	-
EV MC2	EV MC2 WS 2022-10-00 N-3K1	2022-10-06	- -	< 0.0010	0.00011	0.00021	0.128	< 0.020	< 0.000050	0.015	0.00024	86	0.00015	< 0.10	< 0.00020
EV MC2	EV MC5 WS 2022-Q4 N	2022-10-06		< 0.0010	0.00011	0.00021	0.120	< 0.020	< 0.000050	0.016	0.000024	88.6	0.00013	< 0.10	< 0.00020
EV MC2	EV MC2 WS 2022 Q4 WK1 N	2022-10-00		< 0.0010	0.00011	0.00014	0.119	< 0.020	< 0.000050	0.015	0.0000245	88	0.00012	< 0.10	< 0.00020
EV_MC2	EV MC2 WS 2022-10-12 N-SRF	2022-10-11	-		- 0.0001	- 0.00012	-	- 0.020	-	-	-	-	-	- 0.10	- 0.00020
EV MC2	EV MC2 WS 2022-10-14 N-SRF	2022-10-14	_		_	_	_	_	_	_	_	<u> </u>	_	_	-
EV MC2	EV MC2 WS 2022-10-17 N-SRF	2022-10-17	_	< 0.0020	< 0.00020	< 0.00020	0.102	< 0.040	< 0.000100	< 0.020	0.0000267	80.3	< 0.00020	< 0.20	< 0.00040
EV MC2	EV MC2 WS 2022 Q4 WK2 N	2022-10-18	-	0.0082	< 0.00010	0.00017	0.115	< 0.020	< 0.000050	0.015	0.0000182	93.4	0.00015	< 0.10	< 0.00020
EV MC2	EV MC2 WS 2022-10-19 N-SRF	2022-10-19	-	-	-	-	-	-	-	_	-	-	-	-	-
EV MC2	EV MC2 WS 2022-10-24 N-SRF	2022-10-24	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022 Q4 WK3 N	2022-10-25	-	< 0.0010	< 0.00010	0.00018	0.114	< 0.020	< 0.000050	0.012	0.0000206	77.7	0.00015	< 0.10	< 0.00020
EV MC2	EV MC2 WS 2022-10-26 N-SRF	2022-10-26	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-10-28 N SRF	2022-10-28	-	-	-	-	-	-	-	-	-	-	_	-	-
EV_MC2	EV_MC2_WS_2022-10-31_N-SRF	2022-10-31	-	0.0022	< 0.00010	0.0002	0.108	< 0.020	< 0.000050	0.012	0.0000257	72.6	0.00016	< 0.10	< 0.00020
EV_MC2	EV_MC2_WS_2022_Q4_WK4_N	2022-11-01	-	0.0018	< 0.00010	0.0002	0.104	< 0.020	< 0.000050	0.011	0.0000219	57.7	0.0001	< 0.10	0.00027
EV_MC2	EV_MC2_WS_2022_Q4_WK5_N	2022-11-08	-	0.0012	< 0.00010	0.00015	0.119	< 0.020	< 0.000050	0.014	0.0000198	80.4	< 0.00010	< 0.10	< 0.00020
EV_MC2	EV_MC2_WS_2022-11-14_N-SRF	2022-11-14	-	< 0.0010	< 0.00010	0.00016	0.114	< 0.020	< 0.000050	0.013	0.0000178	82.1	0.00013	< 0.10	< 0.00020
EV_MC2	EV_MC2_WS_2022-11_MON_N	2022-11-14	-	< 0.0010	< 0.00010	0.00016	0.117	< 0.020	< 0.000050	0.014	0.0000282	85.3	0.0001	< 0.10	< 0.00020
EV_MC2	EV_MC5_WS_2022-11_MON_N	2022-11-14	-	< 0.0010	< 0.00010	0.00013	0.114	< 0.020	< 0.000050	0.014	0.0000244	85.2	0.00012	< 0.10	< 0.00020
EV_MC2	EV_MC2_WS_2022-11-28_N-SRF	2022-11-28	-	< 0.0010	< 0.00010	0.00021	0.121	< 0.020	< 0.000050	0.013	0.0000278	82	0.00015	< 0.10	< 0.00020
EV_MC2	EV_MC2_WS_2022-12_MON_N	2022-12-06	-	< 0.0010	0.00011	0.00014	0.127	< 0.020	< 0.000050	0.013	0.0000239	90	0.00013	< 0.10	< 0.00020
EV_MC2	EV_MC2_WS_2022-12-12_N-SRF	2022-12-12	-	0.002	0.00012	0.00016	0.121	< 0.020	< 0.000050	0.014	0.0000234	82.4	0.00014	< 0.10	< 0.00020
EV_MC2	EV_MC2_WS_2022-12-27_N-SRF	2022-12-27		< 0.0010	< 0.00010	0.00021	0.115	< 0.020	< 0.000050	0.016	0.0000325	84.6	0.00013	< 0.10	0.00022
EV_OC1	EV_OC1_WS_2022-Q1_N	2022-01-05	-	< 0.0010	< 0.00010		0.446	< 0.020	< 0.000050	0.058	< 0.0050	101			
EV_OC1	EV_OC1_WS_2022-02_MON_N	2022-02-07	-	< 0.0010	< 0.00010	0.00037	0.419	< 0.020	< 0.000050	0.076	0.0000069	102	< 0.00010	0.00013	< 0.00020
EV_OC1	EV_OC1_WS_2022-03_MON_N	2022-03-16	-	0.0014	0.00012	0.00034	0.226	< 0.020	< 0.000050	0.057	0.0000287	82.2	< 0.00010	0.00019	0.00028
EV_OC1 EV OC1	EV OC1 WS 2022-03 WEK13 N EV OC1 WS 2022-03 WEK14 N	2022-03-21 2022-03-28	-	-	-	-	-	-	-	-	<u>-</u> -	-	-	-	-
EV_OC1	EV_OC1_WS_2022-03_WEK14_N EV_OC1_WS_2022-04_WEK15_N	2022-03-28	-	_	-	-	<u>-</u>	-	-	-	<u>-</u>	-	-	-	-
EV_OC1	EV_OC1_WS_2022-04_WER15_N EV_OC1_WS_2022-Q2_N	2022-04-04	-	0.0021	0.00015	0.00036	0.27	< 0.020	< 0.000050	0.06	0.0000138	91.8		0.00015	< 0.00040
EV_OC1	EV_OC1_WS_2022-Q2_N EV_OC1_WS_2022-04_WEK17_N	2022-04-12		-	0.00013	-	-	- 0.020	- 0.000030	-	-	91.0	- 0.00010	-	- 0.00040
EV_OC1	EV_OC1_WS_2022-04_WEK17_N EV_OC1_WS_2022-04_WEK18_N	2022-04-16	-		-	-	<u> </u>	-	_	-	<u>-</u>	-		-	-
EV OC1	EV OC1 WS 2022-04 WERTS N	2022-04-20		0.0046	0.00016	0.00035	0.326	< 0.020	< 0.000050	0.066	0.000082	95.4	< 0.00010	< 0.10	0.00039
EV OC1	EV OC1 WS 2022-05_W6N_N	2022-05-11	_	-	-	-	-	- 0.020	-	-	-	-	- 0.00010	- 0.10	-
EV OC1	EV OC1 WS 2022-05 WEK21 N	2022-05-16		-	_	_	-	-	_	_	-	-	_	_	_
EV OC1	EV OC1 WS 2022-05 WEK22 N	2022-05-24		-	-	-	-	-	-	-	-	-	_	-	-
21_001		2022-00-24			_	!	_	_	1	I		1	_	I	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals							
Sample	Sample	Sample Date H	5	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L m	g/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			(
BC WQG FWAL		n/a 0.	35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Elkview Operation	EV MOS WC 2002 OF M CDE	1 2022 00 24				Г	1	1			1			1		1		
EV_MC2 EV MC2	EV_MC2_WS_2022-09-21_N_SRF EV_MC2_WS_2022-09-22_N-SRF		-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
EV_MC2	EV_MC2_WS_2022-09-22_N-SRF EV_MC2_WS_2022-09-23_N-SRF	0000 00 00		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-09-24 N-SRF	0000 00 04		-		-		-	-		-			-	-	-	<u>-</u>	-
EV MC2	EV MC2 WS 2022-09-25 N-SRF	0000 00 05		_		_	_	_	_	_	_		_	_	_	_		_
EV MC2	EV MC2 WS 2022-09-26 N-SRF		010	< 0.000050	0.0218	37.6	0.00146	0.00162	1.26	20.9	< 0.000010	4.5	0.198	< 0.000010	< 0.00010	< 0.00030	0.00166	0.0092
EV MC2	EV MC2 WS 2022-09-27 N-SRF			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-28_N-SRF	2022-09-28 -		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-29_N-SRF	2022-09-29 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-30_N-SRF	2022-09-30 -	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-10-01_N-SRF			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-10-02_N-SRF			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-10-03_N-SRF			< 0.000050	0.0144	38.6	0.00145	0.00122	1.24	27.4	< 0.000010	4.68	0.224	< 0.000010	< 0.00010	< 0.00030	0.00179	< 0.0010
EV_MC2	EV_MC2_WS_2022-10-04_N-SRF			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-10-06_N-SRF	2022 10 00	040		- 0.0404	- 20.5	- 0.00400	- 0.00000	- 4.00	- 20.4		- 4 4 4	- 0.000		- 0.00040	- 0.00000	- 0.00470	
EV_MC2 EV MC2	EV_MC2_WS_2022-Q4_N			< 0.000050	0.0184	39.5 39.4	0.00169	0.00203	1.26 1.28	29.4 27.8	< 0.000010	4.14	0.203 0.209	< 0.000010	< 0.00010	< 0.00030	0.00178	< 0.0010
EV_MC2	EV_MC5_WS_2022-Q4_N EV MC2 WS 2022 Q4 WK1 N			< 0.000050 < 0.000050	0.0186 0.0201	39.4	0.0016 0.00176	0.0015 0.00142	1.28	19.9	< 0.000010 < 0.000010	4.19 4.38	0.209	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00183 0.00174	< 0.0010 < 0.0010
EV_MC2	EV MC2 WS 2022_Q4_WK1_N EV MC2 WS 2022-10-12 N-SRF			-	-	- 31.1	-	0.00142	1.14	19.9	- 0.000010	4.30	0.200		- 0.00010	- 0.00030	-	- 0.0010
EV MC2	EV MC2_WS_2022-10-12_N-SKI			-		-	-	-		-	-	-	-	-	-	-		-
EV MC2	EV MC2 WS 2022-10-17 N-SRF			< 0.000100	0.0197	34.5	0.00157	0.00132	1	20.1	< 0.000020	4.23	0.189	< 0.000020	< 0.00020	< 0.00060	0.0016	< 0.0020
EV MC2	EV MC2 WS 2022 Q4 WK2 N			< 0.000100	0.0187	38.7	0.00187	0.0013	1.1	20.9	< 0.000010	4.36	0.22	< 0.000010	< 0.00010	< 0.00030	0.0017	< 0.0010
EV MC2	EV MC2 WS 2022-10-19 N-SRF			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-10-24 N-SRF			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022_Q4_WK3_N	2022-10-25 - < 0	010	< 0.000050	0.0163	33	0.00174	0.00112	0.994	18.2	< 0.000010	4.2	0.189	< 0.000010	< 0.00010	< 0.00030	0.00151	< 0.0010
EV_MC2	EV_MC2_WS_2022-10-26_N-SRF	2022-10-26 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-10-28_N_SRF		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-10-31_N-SRF			< 0.000050	0.0131	32.8	0.00178	0.00132	1.02	13.5	< 0.000010	4.3	0.184	< 0.000010	< 0.00010	< 0.00030	0.00154	0.0624
EV_MC2	EV_MC2_WS_2022_Q4_WK4_N			< 0.000050	0.0104	23.9	0.00172	0.00111	0.88	8.44	< 0.000010	3.41	0.16	< 0.000010	< 0.00010	< 0.00030	0.001	0.002
EV_MC2	EV_MC2_WS_2022_Q4_WK5_N			< 0.000050	0.016	37.4	0.00216	0.00166	1.05	19.9	< 0.000010	4.46	0.192	< 0.000010	< 0.00010	< 0.00030	0.00171	< 0.0010
EV_MC2	EV_MC2_WS_2022-11-14_N-SRF			< 0.000050	0.0165	35.8	0.00186	0.00205	1.1	17.3	< 0.000010	4.84	0.207	< 0.000010	< 0.00010	< 0.00030	0.00179	0.0031
EV_MC2	EV_MC2_WS_2022-11_MON_N			< 0.000050	0.0162	37.9	0.00192	0.00214	1.16	18.9	< 0.000010	5.04	0.212	< 0.000010	< 0.00010	< 0.00030	0.00186	< 0.0010
EV_MC2	EV_MC5_WS_2022-11_MON_N			< 0.000050	0.0161	37.8	0.00197	0.00209	1.12	19.1	< 0.000010	5.02	0.21	< 0.000010	< 0.00010	< 0.00030	0.00186	< 0.0010
EV_MC2 EV MC2	EV_MC2_WS_2022-11-28_N-SRF EV_MC2_WS_2022-12_MON_N			< 0.000050 < 0.000050	0.0203 0.0184	40.4 42	0.00204 0.00188	0.00251 0.00256	1.24 1.18	22.8 16.5	< 0.000010 < 0.000010	5.2 4.85	0.21 0.202	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00175 0.00209	0.0013 < 0.0010
EV_MC2	EV_MC2_WS_2022-12_MON_N EV_MC2_WS_2022-12-12_N-SRF			< 0.000050	0.0184	38.3	0.00188	0.00256	1.18	15.4	< 0.000010	4.85 5.05	0.202	< 0.000010	< 0.00010	< 0.00030	0.00209	0.0010
EV_MC2	EV_MC2_WS_2022-12-12_N-SRF EV_MC2_WS_2022-12-27_N-SRF			< 0.000050	0.0196	37.4	0.00171	0.00248	1.39	13.4	< 0.000010	6.08	0.204	< 0.000010	< 0.00010	< 0.00030	0.00213	0.0793
EV_WGZ	EV OC1 WS 2022-Q1 N			< 0.000050	0.0471	37.3	0.142	0.00240	2.71	0.965	< 0.000010	24.9	0.778	< 0.000010		< 0.00030	0.000552	0.0013
EV OC1	EV OC1 WS 2022-02 MON N			< 0.000050	0.0571	39.5	0.107	0.00124	2.59	0.782	< 0.000010	30.1	0.92	< 0.000010	< 0.00010	< 0.00030	0.000509	< 0.0010
EV OC1	EV OC1 WS 2022-03 MON N			< 0.000050	0.0398	29.8	0.0754	0.00094	2	2.2	< 0.000010	22.4	0.72	< 0.000010	< 0.00010	< 0.00030	0.000538	0.0014
EV_OC1	EV_OC1_WS_2022-03_WEK13_N			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-03_WEK14_N	2022-03-28 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-04_WEK15_N	2022 01 01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EV_OC1	EV_OC1_WS_2022-Q2_N		38	< 0.000050	0.0423	37	0.0594	0.00147	2.32	1.71	< 0.000010	24	0.757	< 0.000010	< 0.00010	< 0.00030	0.000803	< 0.0010
EV_OC1	EV_OC1_WS_2022-04_WEK17_N			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-04_WEK18_N			-	-	-	-	-	-	-	-	-	-	-	-	-	<u>-</u>	-
EV_OC1	EV_OC1_WS_2022-05_MON_N			< 0.000050	0.0451	35.7	0.0522	0.00123	2.4	1.2	< 0.000010	22.7	0.779	< 0.000010	< 0.00010	< 0.00030	0.000645	< 0.0010
EV_OC1	EV_OC1_WS_2022-05_WEK20_N	2022 00		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-05_WEK21_N		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-05_WEK22_N	2022-05-24 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolve	ed Metals						
			SS	8		ony	0		Ę	ч				ے	mni		_
			ardne	<u>.</u>		ntimo	rsenic	arium	eryllic	smut	oron	-		alciun	hromi	obalt	ıəddo
Sample	Sample	Sample Date		•	<u>(</u>	₹	₹	<u> </u>	<u>ă</u>	<u> </u>	<u></u>	(<u>, </u>	ပ	ਹ	ŭ	Ö
Location	ID	(mm/dd/yyyy)	mg/L	mç	g/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	m	g/L	mg/L	mg/L	mg/L	mg/L
				Acute	Chronic							Acute	Chronic				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a	0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Elkview Operation																	
EV_OC1	EV_OC1_WS_2022-05_WEK23_N	2022-05-30	-			-	-	-	-	-	-		-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-06_MON_N	2022-06-07	-	< 0.0	0010	0.00011	0.00042	0.294	< 0.020	< 0.000050	0.06	< 0.	0050	90.8	< 0.00010	< 0.10	< 0.00020
EV_OC1	EV_OC1_WS_2022-06_WEK25_N	2022-06-13	-		-	-	-	-	-	-	-		-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-06_WEK26_N	2022-06-21	-		-	-	-	-	-	-	-		-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-06_WEK27_N	2022-06-27	-		-	-	-	-	-	-	-		-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-Q3_N	2022-07-06	-		0010	< 0.00010	0.00052	0.309	< 0.020	< 0.000050	0.059		0050	79.8	< 0.00010	< 0.10	0.00025
EV_OC1	EV_OC1_WS_2022-07_WEK29_N	2022-07-11	-			-	-	-	-	-	-		-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-08_MON_N	2022-08-10	-	0.0		< 0.00010	0.00063	0.343	< 0.020	< 0.000050	0.065		0050	61.6	< 0.00010	< 0.10	< 0.00020
EV_OC1	EV_OC1_WS_2022-09_MON_N	2022-09-07	-	0.0		< 0.00010	0.00057	0.365	< 0.020	< 0.000050	0.054		0050	58.8	< 0.00010	< 0.10	0.00024
EV_OC1	EV_OC1_WS_2022-Q4_N	2022-10-07	-	< 0.0		< 0.00010	0.00049	0.428	< 0.020	< 0.000050	0.056	< 0.		68.8	< 0.00010	< 0.10	< 0.00020
EV_OC1	EV_OC1_WS_2022-11_MON_N	2022-11-09	-		0010	< 0.00010	0.0003	0.493	< 0.020	< 0.000050	0.051		00053	80.6	< 0.00010	< 0.10	0.0002
EV_SP1	EV_SP1_WS_2022-Q1_N	2022-01-17	-	< 0.0		0.0006	< 0.00010	0.0109	< 0.020	< 0.000050	0.04		0947	180	< 0.00010	< 0.00010	0.00028
EV_SP1	EV_SP1_WS_2022-02_MON_N	2022-02-16	-	0.0		0.00064	< 0.00010	0.0105	< 0.020	< 0.000050	0.042	0.00		179	0.00016	< 0.00010	0.00033
EV_SP1	EV_SP1_WS_2022-03_MON_N	2022-03-17	-	< 0.0	0010	0.00061	< 0.00010	0.0112	< 0.020	< 0.000050	0.039	0.0	0091	176	< 0.00010	< 0.10	0.00032
EV_SP1	EV_SP1_WS_2022-03_WEK13_N	2022-03-22	-		-	-	-	-	-	-	-			-	-	-	-
EV_SP1	EV_SP1_WS_2022-03_WEK14_N	2022-03-30	-		-	-	-	-	-	-	-		-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-04_WEK15_N	2022-04-06	-		-	-	-	-	-	-	-		-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-Q2_N	2022-04-13	-		015	0.00061	< 0.00010	0.0109	< 0.020	< 0.000050	0.042		0779	150	< 0.00010	< 0.10	0.00032
EV_SP1	EV_SP1_WS_2022-04_WEK17_N	2022-04-20	-		-	-	-	-	-	-	-		-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-04_WEK18_N	2022-04-27	-		•	-	-	-	-	-	-		-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-05-MON_N	2022-05-04	-		0010	0.00058	< 0.00010	0.0108	< 0.020	< 0.000050	0.04		0952	177	< 0.00010	< 0.10	0.00032
EV_SP1	EV_SP1_WS_2022-05_WEK20_N	2022-05-10	-		•	-	-	-	-	-	-		-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-05_WEK21_N	2022-05-18	-		-	-	-	-	-	-	-		-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-05_WEK22_N	2022-05-25	-		-	-	-	-	-	-	-		-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-05_WEK23_N	2022-05-31	-		-	-	-	-	-	-	-		-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-06_MON_N	2022-06-06	-	< 0.0		0.00061	< 0.00010	0.00971	< 0.020	< 0.000050	0.04)107	176	< 0.00010	< 0.10	0.00035
EV_SP1	EV_SP1_WS_2022-06_WEK25_N	2022-06-15	-		-	-	-	-	-	-	-		-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-06_WEK26_N	2022-06-23	-		-	-	-	-	-	-	-		-	-		-	-
EV_SP1	EV_SP1_WS_2022-06_WEK27_N	2022-06-29	-		-	-	-	-	-	-	-		-	-		-	-
EV_SP1	EV_SP1_WS_2022-Q3_N	2022-07-06	-		0010	0.00064	< 0.00010	0.0109	< 0.020	< 0.000050	0.045		0933	164	< 0.00010	< 0.10	0.0003
EV_SP1	EV_SP1_WS_2022-07_WEK29_N	2022-07-13	-		-	-	-	-	-	-	-		-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-08_MON_N	2022-08-09	-	< 0.0		0.00077	0.00014	0.0125	< 0.020	< 0.000050	0.064		0116	184	< 0.00010	< 0.10	0.00034
EV_SP1	EV_SP1_WS_SESMP_2022_08_N	2022-08-15	-	0.0		0.00069	< 0.00010	0.0117	< 0.020	< 0.000050	0.064)107	178	0.00012	< 0.10	0.00037
EV_SP1	EV_SP1_WS_2022-09_MON_NP	2022-09-08	-	0.0		0.00077	< 0.00010	0.013	< 0.020	< 0.000050	0.064)116	192	< 0.00010	< 0.10	0.0004
EV_SP1	EV_SP1_WS_2022-Q4_N	2022-10-04	-	< 0.0		0.00072	< 0.00010	0.0108	< 0.020	< 0.000050	0.067		0107	200	< 0.00010	< 0.10	0.00035
EV_SP1	EV_SP1_WS_2022-11_MON_N	2022-11-15	-	< 0.0		0.00083	< 0.00010	0.0134	< 0.020	< 0.000050	0.068		014	222	< 0.00010	< 0.10	0.00031
EV_TC1	EV_TC1_WS_2022-03_MON_N	2022-03-29	-	0.0		0.00031	0.0003	0.0663	< 0.020	< 0.000050	< 0.010	0.000		50.4	< 0.00010	< 0.10	0.0007
EV_TC1	EV_TC1_WS_2022-Q2_N	2022-04-13	-	0.0		0.0003	0.00026	0.0582	< 0.020	< 0.000050	< 0.010		0083	48.5	< 0.00010	< 0.10	0.00091
EV_TC1	EV_TC1_WS_2022-05_MON_N	2022-05-03	-	0.0		0.00025	0.00023	0.0474	< 0.020	< 0.000050	< 0.010		00933	44	< 0.00010	< 0.10	0.0007
EV_TC1	EV_TC1_WS_2022-06_MON_N	2022-06-06	-	0.0		0.00032	0.00024	0.061	< 0.020	< 0.000050	< 0.010		0111	50.1	< 0.00010	< 0.10	0.0005
EV_TC1	EV_TC1_WS_2022_Q3_N	2022-07-05	-	0.0	∪ວ∠	0.00035	0.00026	0.0698	< 0.020	< 0.000050	< 0.010	0.00	0144	54.8	< 0.00010	< 0.10	0.0005

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

8C WOG FWAL No. 0.55 10.0 10											Dissolv	ved Metals							
BC WOOD PMAL	Sample	Sample	Sample Date	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Revised population	Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Elview Operation																			
EV OCT	·		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
FV OCI FV OCI WS 2022-06 MON N 2022-06-13 0.007 0.0005		EV 004 W0 0000 05 WEV00 N	1 0000 05 00 1	ı	T T		T	1		ı			1		1		ı	ı	
FV OCT								-					-		-	-		-	
EV OCT EV OCT WS 2022-68 WERKEY N 2022-68-21	_					0.0396	32.4	0.0319	0.00057			< 0.000010	16.2	0.678	< 0.000010	< 0.00010		0.000514	< 0.0010
EV OCT						-	-	-	-			-	-	-	-	-		-	
EV OCT	_				+														
EV OC1 EV OC1 WS 2022-07 WEXP3 N 2022-07-11	_																		< 0.0010
EV OCT									0.00110						- 0.000010	< 0.00010			
EV.OCI	_								0.00097						< 0.000010	< 0.00010			< 0.0010
EV OCT EV OCT WS 2022-04 N 2022-107 0.071 0.000059 0.097 349 0.0209 0.00097 2.85 0.378 0.000010 142 0.506 0.000010 0.000030 0.000337 < 0.000000 0.00030 0.000337 < 0.000000 0.00030 0.000337 < 0.000000 0.00030 0.000337 < 0.000000 0.00030 0.00030 0.000337 < 0.000000 0.00030 0.00030 0.00030 0.000337 < 0.000000 0.0003																			< 0.0010
EV OCT				0.000										0.000					< 0.0010
EV SPI	_																		< 0.0010
EV.SPI				0.000					0.00.00		0.000								0.0272
EV SPI	_			0.012						4.3									0.0302
EV SPI EV SPI WS 2022-09 WEK13 N 2022-04 WEK15 N 2022-04-06				< 0.010		0.0386	132	0.0005		4.2	152	_		0.114			< 0.00030	0.00887	0.028
EV SPI	EV SP1			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV. SP1	EV SP1			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV SP1	EV SP1 WS 2022-04 WEK15 N	2022-04-06 -	-	-	_	-	-	-	-	-	-	-	-	-	-	-	-	-
EV SPH EV SPH WS 2022-06-MON N 2022-05-04 - < 0.010 < 0.00050 0.0402 123 0.00032 0.0201 3.88 179 < 0.000101 1.22 0.118 0.00012 < 0.00010 < 0.00030 0.00936 0.039	EV SP1	EV SP1 WS 2022-Q2 N	2022-04-13 -	< 0.010	< 0.000050	0.0381	109	0.00041	0.0167	3.43	166	< 0.000010	1.18	0.1	0.00011	< 0.00010	< 0.00030	0.00773	0.0276
EV SPI	EV_SP1	EV_SP1_WS_2022-04_WEK17_N	2022-04-20 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV SPI	EV_SP1	EV_SP1_WS_2022-04_WEK18_N	2022-04-27 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV SPI	EV_SP1	EV_SP1_WS_2022-05-MON_N	2022-05-04 -	< 0.010	< 0.000050	0.0402	123	0.00032	0.0201	3.88	179	< 0.000010	1.22	0.118	0.00012	< 0.00010	< 0.00030	0.00926	0.0326
EV SP1	EV_SP1	EV_SP1_WS_2022-05_WEK20_N	2022-05-10 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV SP1	EV_SP1	EV_SP1_WS_2022-05_WEK21_N	2022-05-18 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1		EV_SP1_WS_2022-05_WEK22_N	2022-05-25 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV SP1 EV SP1 WS 2022-06 WEK25 N 2022-06-15	_	EV_SP1_WS_2022-05_WEK23_N	2022-05-31 -		-						-	-	-				-	-	-
EV_SP1	_			< 0.010	< 0.000050	0.0346	132	0.00029	0.0222	3.77	160	< 0.000010	1.16	0.12	0.000122	< 0.00010	< 0.00030	0.00918	0.037
EV SP1				-	-		-	-	-		-	-	-	-	-	-		-	-
EV_SP1				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	_														-				-
EV_SP1																			0.0346
EV_SP1																			-
EV_SP1 EV_SP1_WS_2022-09_MON_NP 2022-09-08 - < 0.010 < 0.00050 0.0487 146 0.00063 0.0256 4.89 162 < 0.00010 1.36 0.114 0.00166 < 0.00010 < 0.00030 0.00951 0.03 EV_SP1 EV_SP1_WS_2022-Q4_N 2022-10-04 - < 0.010 < 0.00050 0.0432 126 0.0008 0.022 4.77 180 < 0.00010 1.32 0.126 0.00167 < 0.00010 < 0.00938 0.02 EV_SP1 EV_SP1_WS_2022-11_MON_N 2022-11-15 - < 0.010 < 0.00050 0.0489 138 0.00055 0.0238 4.57 166 < 0.00010 1.37 0.132 0.00010 < 0.00030 0.0112 0.03 EV_TC1 EV_TC1_WS_2022-03_MON_N 2022-03-29 - < 0.010 < 0.00050 0.0013 25.7 < 0.00010 0.0034 0.872 10.5 < 0.00010 0.0459 < 0.00010 < 0.00030 0.00089 0.00 EV_TC1 EV_TC1_WS_2022-02_N	_																		0.0377
EV_SP1 EV_SP1_WS_2022-Q4_N 2022-10-04 - < 0.010 < 0.00050 0.0432 126 0.0008 0.022 4.77 180 < 0.00010 1.32 0.126 0.00167 < 0.0010 < 0.00030 0.00938 0.02 EV_SP1 EV_SP1_WS_2022-11 MON_N 2022-11-15 - < 0.010 < 0.00050 0.0489 138 0.00055 0.0238 4.57 166 < 0.00010 1.37 0.132 0.0019 < 0.00010 < 0.0030 0.0112 0.03 EV_TC1 EV_TC1_WS_2022-03 MON_N 2022-03-29 - < 0.010 < 0.00050 0.0013 25.7 < 0.00010 0.0304 0.872 10.5 < 0.00010 0.0459 < 0.00010 < 0.00030 0.00089 0.00 EV_TC1 EV_TC1_WS_2022-Q2_N 2022-04-13 - < 0.010 < 0.00050 0.0014 23.6 < 0.00010 0.00261 0.817 10.3 < 0.00010 0.0858 0.0447 < 0.00010 < 0.00030 0.00084 0.00 EV_TC1 <t< td=""><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.0354</td></t<>	_																		0.0354
EV_SP1 EV_SP1_WS_2022-11_MON_N 2022-11-15 - < 0.010 < 0.00050 0.0489 138 0.00055 0.0238 4.57 166 < 0.00010 1.37 0.132 0.0019 < 0.00010 < 0.0030 0.0112 0.03 EV_TC1 EV_TC1_WS_2022-03_MON_N 2022-03-29 - < 0.010 < 0.00050 0.0013 25.7 < 0.00010 0.0304 0.872 10.5 < 0.00010 0.0459 < 0.00010 < 0.00030 0.000809 0.00 EV_TC1 EV_TC1_WS_2022-Q2_N 2022-04-13 - < 0.010 < 0.00050 0.0014 23.6 < 0.00010 0.00261 0.817 10.3 < 0.00010 0.0858 0.0447 < 0.00010 < 0.00030 0.000874 0.00 EV_TC1 EV_TC1_WS_2022-05_MON_N 2022-05-03 - < 0.010 < 0.00050 < 0.0010 20.00010 0.00297 0.678 8.87 < 0.00010 0.0485 0.00010 < 0.00010 < 0.00030 0.00084 0.00 EV_TC1 EV_TC1_WS_2022-06_MON_N </td <td></td> <td>0.0301</td>																			0.0301
EV_TC1 EV_TC1_WS_2022-03_MON_N 2022-03-29 - < 0.010 < 0.00050 0.0013 25.7 < 0.00010 0.0304 0.872 10.5 < 0.00010 0.861 0.0459 < 0.00010 < 0.00030 0.00809 0.00 EV_TC1 EV_TC1_WS_2022-Q2_N 2022-04-13 - < 0.010	_												-						0.0237
EV_TC1 EV_TC1_WS_2022-Q2_N 2022-04-13 - < 0.010 < 0.00050 0.0014 23.6 < 0.00010 0.00261 0.817 10.3 < 0.00010 0.858 0.0447 < 0.00010 < 0.00030 0.00874 0.00 EV_TC1 EV_TC1_WS_2022-05_MON_N 2022-05-03 - < 0.010				0.0.0					0.000										0.0378
EV_TC1 EV_TC1_WS_2022-05_MON_N 2022-05-03 - < 0.010 < 0.00050 < 0.0010 20 < 0.00010 0.00297 0.678 8.87 < 0.00010 0.564 0.04 0.0001 < 0.00010 < 0.000787 0.00 EV_TC1 EV_TC1_WS_2022-06_MON_N 2022-06-06 - < 0.010	_													0.0.00					0.0017
EV_TC1	_																		0.0019
												_							0.0018
EV TC1				0.0.0									-						0.0017

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissolve	ed Metals					
			S.	Ę	<u> </u>			Ε	_		E	_	툍		
			nes	ř.	ē	nic	臣	I ≣	<u> </u>	_	를	돌	Ē	¥	Je.
			ard	<u>n</u>	l ij	rse	arit	ery	l s	or o	adr	Calci	5 L	eqo	8
Sample	Sample	Sample Date		<u> </u>	₹	₹.	<u> </u>	<u>ň</u>	<u> </u>	<u>ň</u>	Ö		<u></u> <u></u>	ŭ	Ö
Location	ID	(mm/dd/yyyy)	mg/L	mg/L ပ	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L .⊆	mg/L	mg/L	mg/L	mg/L
				on i							onie fe				Acute
				. Acu							. Acu				Acute
BC WQG FWAL			n/a	0.020-0.10 ^a 0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLMe
Fording River Operation				0.020 0.00					1	-		1			
FR_CC1	FR_CC1_2022-01-04_N	2022-01-04	-	< 0.0020	0.00073	< 0.00020	0.0296	< 0.040	< 0.000100	0.032	0.000657	335	< 0.00020	< 0.00020	< 0.00040
FR_CC1	FR_CC1_2022-01-06_N	2022-01-06	-	0.0089	0.00074	< 0.00020	0.029	< 0.040	< 0.000100	0.028	0.000638	318	< 0.00020	< 0.00020	< 0.00040
FR_CC1	FR_CC1_2022-01-12_N	2022-01-12	-	< 0.0020	0.00076	< 0.00020	0.0296	< 0.040	< 0.000100	0.031	0.000621	309	< 0.00020	< 0.00020	< 0.00040
FR_CC1	FR_CC1_2022-01-17_N	2022-01-17	-	< 0.0020	0.00075	< 0.00020	0.0332	< 0.040	< 0.000100	0.034	0.000677	310	< 0.00020	< 0.00020	< 0.00040
FR_CC1 FR_CC1	FR_CC1_2022-01-24_N FR_CC1_2022-01-31_N	2022-01-24 2022-01-31	-	< 0.0020 < 0.0020	0.00078 0.00075	< 0.00020 < 0.00020	0.0305 0.0293	< 0.040 < 0.040	< 0.000100 < 0.000100	0.031 0.033	0.000666 0.000654	319 311	< 0.00020 < 0.00020	< 0.00020 < 0.00020	< 0.00040 < 0.00040
FR_CC1	FR_CC1_2022-01-31_N FR_CC1_2022-02-07_N	2022-01-31	-	0.0020	0.00075	< 0.00020	0.0293	< 0.040	< 0.000100	0.033	0.000633	310	< 0.00020	< 0.00020	0.00040
FR CC1	FR CC1 2022-02-14 N	2022-02-07	-	0.0022	0.00073	< 0.00020	0.0292	< 0.040	< 0.000100	0.033	0.000643	307	< 0.00020	< 0.00020	< 0.00040
FR CC1	FR CC1 2022-02-21 N	2022-02-21	-	< 0.0020	0.00073	< 0.00020	0.0294	< 0.040	< 0.000100	0.032	0.000607	326	< 0.00020	< 0.00020	< 0.00040
FR CC1	FR CC1 2022-03-01 N	2022-03-01	-	< 0.0020	0.00072	< 0.00020	0.0306	< 0.040	< 0.000100	0.034	0.000686	331	< 0.00020	< 0.00020	< 0.00040
FR_CC1	FR_CC1_2022-03-07_N	2022-03-07	-	< 0.0010	0.00074	< 0.00010	0.03	< 0.020	< 0.000050	0.03	0.000644	320	< 0.00010	0.00018	0.00034
FR_CC1	FR_CC1_2022-03-14_N	2022-03-14	-	< 0.0020	0.00079	< 0.00020	0.0266	< 0.040	< 0.000100	0.03	< 0.625	291	< 0.00020	< 0.20	< 0.00040
FR_CC1	FR_CC1_2022-03-21_N	2022-03-21	-	< 0.0010	0.00072	< 0.00010	0.0307	< 0.020	< 0.000050	0.032	0.000618	315	< 0.00010	0.00018	0.00029
FR_CC1	FR_CC1_2022-03-28_N	2022-03-28	-	0.0014	0.00069	< 0.00010	0.0286	< 0.020	< 0.000050	0.03	0.000572	308	< 0.00010	0.00019	0.00057
FR_CC1	FR_CC1_2022_04_06_N	2022-04-06	-	0.00145	0.00042	< 0.00010	0.0125	< 0.020	< 0.000050	0.022	0.0003555	155.5	< 0.00010	0.000175	0.00027
FR_CC1	FR_CC1_2022-04-11_N	2022-04-11	-	0.0023	0.0008	< 0.00020	0.0258	< 0.040	< 0.000100	0.033	0.000829	308	< 0.00020	0.00038	0.00042
FR_CC1	FR_CC1_2022-04-13_N	2022-04-13	-	0.0023 0.0032	0.0008	< 0.00020	0.0258	< 0.040 < 0.040	< 0.000100	0.033	0.000829 0.000776	308 271	< 0.00020	0.00038	0.00042
FR_CC1 FR_CC1	FR_CC1_2022-04-18_N FR_CC1_2022-04-25_N	2022-04-18 2022-04-25	-	0.0032	0.00082	< 0.00020 < 0.00010	0.0193 0.0195	< 0.040	< 0.000100 < 0.000050	0.032 0.03	0.000776	259	< 0.00020 < 0.00010	0.00033 0.00025	< 0.00040 0.00043
FR CC1	FR CC1 2022-05-02 N	2022-04-23		0.0015	0.00086	< 0.00010	0.0133	< 0.020	< 0.000050	0.032	0.000558	273	< 0.00010	0.00023	0.00034
FR CC1	FR CC1 2022-05-06 N	2022-05-06	_	< 0.0010	0.00087	0.00011	0.0196	< 0.020	< 0.000050	0.032	0.000611	268	< 0.00010	0.00029	0.0004
FR CC1	FR CC1 2022-05-07 N	2022-05-07	-	0.0022	0.00085	0.00011	0.0188	< 0.020	< 0.000050	0.031	0.000632	241	< 0.00010	0.0003	0.00039
FR_CC1	FR_CC1_2022-05-08_N	2022-05-08	-	< 0.0010	0.00086	0.00012	0.0195	< 0.020	< 0.000050	0.032	0.0006	242	0.00027	0.00032	0.00038
FR_CC1	FR_CC1_2022-05-09_N	2022-05-09	-	< 0.0010	0.00086	< 0.00010	0.0198	< 0.020	< 0.000050	0.036	0.000644	263	< 0.00010	0.00032	0.00037
FR_CC1	FR_CC1_2022-05-10_N	2022-05-10	-	0.0011	0.00082	< 0.00010	0.018	< 0.020	< 0.000050	0.029	0.000628	239	< 0.00010	0.00033	0.00037
FR_CC1	FR_CC1_2022-05-11_N	2022-05-11	-	0.0011	0.00086	< 0.00010	0.0183	< 0.020	< 0.000050	0.03	0.000623	246	< 0.00010	0.00032	0.00042
FR_CC1	FR_CC1_2022-05-12_N	2022-05-12	-	0.0022	0.00084	< 0.00010	0.0187	< 0.020	< 0.000050	0.031	0.000613	242	< 0.00010	0.00032	0.0004
FR_CC1	FR_CC1_2022-05-13_N	2022-05-13	-	0.0019 0.0018	0.00085	< 0.00010	0.0183	< 0.020	< 0.000050	0.033	0.00067 0.000594	245 240	< 0.00010	0.00034	0.00067 0.00047
FR_CC1 FR_CC1	FR_CC1_2022-05-14_N FR_CC1_2022-05-16_N	2022-05-14 2022-05-16	-	0.0016	0.00092 0.00084	< 0.00010 < 0.00010	0.0173 0.0188	< 0.020 < 0.020	< 0.000050 < 0.000050	0.033 0.032	0.000394	223	< 0.00010 < 0.00010	0.00032 0.00031	0.00047
FR_CC1	FR CC1 2022-05-16 N	2022-05-16	-	0.0010	0.00081	< 0.00010	0.0189	< 0.020	< 0.000050	0.032	0.000526	202	< 0.00010	0.00031	0.00039
FR CC1	FR CC1 2022-05-30 N	2022-05-30	-	0.0046	0.00082	< 0.00010	0.0222	< 0.020	< 0.000050	0.031	0.000446	206	< 0.00010	0.00024	0.00033
FR CC1	FR CC1 2022-06-13 N	2022-06-13	-	< 0.0010	0.0007	< 0.00010	0.0278	< 0.020	< 0.000050	0.023	0.000419	192	< 0.00010	0.0002	0.00027
FR_CC1	FR_CC1_2022-06-27_N	2022-06-27	-	< 0.0010	0.00065	< 0.00010	0.0322	< 0.020	< 0.000050	0.024	0.000522	182	< 0.00010	0.00025	0.00029
FR_CC1	FR_CC1_2022-07-18_N	2022-07-18	-	0.0017	0.0007	< 0.00010	0.0325	< 0.020	< 0.000050	0.025	0.000469	174	< 0.00010	0.00021	0.00054
FR_CC1	FR_CC1_2022-07-25_N	2022-07-25	-	0.0011	0.00068	< 0.00010	0.0326	< 0.020	< 0.000050	0.027	0.00049	181	< 0.00010	0.00018	0.0004
FR_CC1	FR_CC1_2022-08-02_N	2022-08-02	-	< 0.0010	0.00068	< 0.00010	0.0386	< 0.020	< 0.000050	0.027	0.000478	188	< 0.00010	0.00018	0.0197
FR_CC1	FR_CC1_2022-08-08_N	2022-08-08	-	< 0.0010	0.00066	< 0.00010	0.0399	< 0.020	< 0.000050	0.027	0.000447	200	< 0.00010		0.00033
FR_CC1	FR_CC1_2022-08-15_N	2022-08-15	-	< 0.0020	0.00064	< 0.00020	0.041	< 0.040	< 0.000100	0.03	0.000467	204	< 0.00020	< 0.20	0.00065
FR_CC1	FR_CC1_WS_SESMP_2022-08_N	2022-08-19	-	< 0.0010	0.00064	0.00018	0.0431	< 0.020	< 0.000050	0.039	0.00042	220	0.00016	0.00018	0.00032
FR_CC1 FR_CC1	FR_CC1_2022-08-22_N FR_CC1_2022-08-29_N	2022-08-22 2022-08-29	-	< 0.0010 < 0.0010	0.00064 0.00065	< 0.00010 < 0.00010	0.039 0.0406	< 0.020 < 0.020	< 0.000050 < 0.000050	0.028 0.03	0.000412 0.000467	205 236	< 0.00010 < 0.00010	0.00014 0.00017	0.00029 0.00026
FR_CC1	FR_CC1_2022-08-29_N FR_CC1_RD_WS_2022-08-30_NP	2022-08-29	-	< 0.0010	0.00065	< 0.00010	0.0406	< 0.020	< 0.000050	0.03	0.000467	251	< 0.00010	0.00017	0.00026
FR CC1	FR CC1 WS SEPT-2022 N	2022-09-07	-	< 0.0010	0.00037	< 0.00010	0.0348	< 0.020	< 0.000050	0.023	0.00032	226	< 0.00010	0.00015	< 0.00030
FR CC1	FR CC1 2022-09-07 N	2022-09-07	-	0.0011	0.00069	< 0.00010	0.0357	< 0.020	< 0.000050	0.029	0.00038	234	< 0.00010	0.00016	0.00028
FR_CC1	FR_CC1_CC1A_2022-09-12_N	2022-09-12	-	0.0014	0.00077	0.00011	0.0369	< 0.020	< 0.000050	0.034	0.000297	270	< 0.00010	0.0002	0.00063
FR_CC1	FR_CC1_CC1A_2022-09-17_N	2022-09-17	-	< 0.0020	0.00083	< 0.00020	0.0313	< 0.040	< 0.000100	0.037	0.000345	267	< 0.00020	< 0.20	0.00152
FR_CC1	FR_CC1_CC1A_2022-09-18_N	2022-09-18	-	0.0032	0.00076	< 0.00020	0.0295	< 0.040	< 0.000100	0.035	0.000173	264	< 0.00020	< 0.20	0.00075
FR_CC1	FR_CC1_CC1A_2022-09-19_N	2022-09-19	-	0.0021	0.00079	< 0.00020	0.0315	< 0.040	< 0.000100	0.038	0.0002	316	< 0.00020	< 0.20	0.00056
FR_CC1	FR_DC1_2022-09-19_N	2022-09-19	-	0.002	0.00078	< 0.00020	0.0281	< 0.040	< 0.000100	0.04	0.000215	299	< 0.00020	< 0.20	0.00042

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissolv	ed Metals							
Sample	Sample	Sample Date H John Slample Date	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	r I	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		Acute															
BC WQG FWAL		n/a 0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Fording River Operation	FD 004 0000 04 04 N	1 0000 04 04 1 1 1 0 000	1 - 0 000400	0.504	1 477	0.00005	0.0004	7 77	404	. 0 000000	44.0	0.540	0.000050	. 0 00000	. 0 00000	0.0470	0.0040
FR_CC1 FR_CC1	FR_CC1_2022-01-04_N FR_CC1_2022-01-06_N	2022-01-04 - < 0.020 2022-01-06 - < 0.020	< 0.000100 < 0.000100	0.521 0.471	177 175	0.00225 0.00228	0.0624 0.0605	7.77 7.23	181 169	< 0.000020 < 0.000020	14.2 13.6	0.519 0.536	0.000052 0.000051	< 0.00020 < 0.00020	< 0.00060 < 0.00060	0.0178 0.0171	0.0342 0.0339
FR CC1	FR CC1 2022-01-00 N	2022-01-00 - < 0.020	< 0.000100	0.47	164	0.00224	0.06	7.44	185	< 0.000020	13.1	0.528	0.000051	< 0.00020	< 0.00060	0.0165	0.0339
FR CC1	FR CC1 2022-01-17 N	2022-01-17 - < 0.020	< 0.000100	0.508	176	0.00226	0.0616	7.83	178	< 0.000020	14.2	0.513	0.000055	< 0.00020	< 0.00060	0.0166	0.0349
FR CC1	FR CC1 2022-01-24 N	2022-01-24 - < 0.020	< 0.000100	0.47	166	0.00196	0.0579	7.14	188	< 0.000020	13.1	0.525	0.000052	< 0.00020	< 0.00060	0.0158	0.031
FR_CC1	FR_CC1_2022-01-31_N	2022-01-31 - < 0.020	< 0.000100	0.454	169	0.00189	0.0566	7.09	196	< 0.000020	12.8	0.531	0.000046	< 0.00020	< 0.00060	0.017	0.0334
FR_CC1	FR_CC1_2022-02-07_N	2022-02-07 - < 0.020	< 0.000100	0.432	164	0.00205	0.0592	7.26	187	< 0.000020	12.2	0.54	0.000054	< 0.00020	< 0.00060	0.0165	0.03
FR_CC1	FR_CC1_2022-02-14_N	2022-02-14 - < 0.020	< 0.000100	0.417	169	0.00212	0.0588	7.15	187	< 0.000020	11.8	0.518	0.000049	< 0.00020	< 0.00060	0.0166	0.03
FR_CC1	FR_CC1_2022-02-21_N	2022-02-21 - < 0.020	< 0.000100	0.45	172	0.00192	0.0567	6.96	184	< 0.000020	11.9	0.532	0.000048	< 0.00020	< 0.00060	0.0147	0.0306
FR_CC1	FR_CC1_2022-03-01_N	2022-03-01 - < 0.020	< 0.000100	0.447	187	0.00197	0.0627	7.79	199	< 0.000020	12.2	0.533	0.000052	< 0.00020	< 0.00060	0.0159	0.0324
FR_CC1 FR_CC1	FR_CC1_2022-03-07_N FR_CC1_2022-03-14_N	2022-03-07 - < 0.010 2022-03-14 - < 0.020	< 0.000050 < 0.000100	0.435 0.403	173 143	0.00201 0.00177	0.0604 0.0546	7.77 6.99	205 185	< 0.000010 < 0.000020	11.8 11.1	0.534 0.536	0.000051 0.000058	< 0.00010 < 0.00020	< 0.00030 < 0.00060	0.0164 0.0153	0.0317
FR CC1	FR_CC1_2022-03-14_N FR_CC1_2022-03-21_N	2022-03-14 - < 0.020	< 0.000100	0.446	158	0.00177	0.0548	7.52	209	< 0.000020	11.5	0.530	0.000058	< 0.00020	< 0.00030	0.0153	0.0295 0.029
FR CC1	FR CC1 2022-03-21 N	2022-03-21 - < 0.010	< 0.000050	0.429	167	0.00204	0.0559	7.06	186	< 0.000010	11.2	0.511	0.000031	< 0.00010	< 0.00030	0.0133	0.029
FR CC1	FR CC1 2022 04 06 N	2022-04-06 - < 0.010	< 0.000050	0.212	88.00255	0.001095	0.0268	3.725	119.025	< 0.000010	5.625	0.2551	0.0000295	< 0.00010	< 0.00030	0.007755	0.01785
FR CC1	FR CC1 2022-04-11 N	2022-04-11 - < 0.020	< 0.000100	0.414	168	0.0017	0.0532	7.33	217	< 0.000020	10.7	0.466	0.000051	< 0.00020	< 0.00060	0.0149	0.0404
FR_CC1	FR_CC1_2022-04-13_N	2022-04-13 - < 0.020	< 0.000100	0.414	168	0.0017	0.0532	7.33	217	< 0.000020	10.7	0.466	0.000051	< 0.00020	< 0.00060	0.0149	0.0404
FR_CC1	FR_CC1_2022-04-18_N	2022-04-18 - < 0.020	< 0.000100	0.373	155	0.00106	0.0483	7.33	216	< 0.000020	10.2	0.433	0.00005	< 0.00020	< 0.00060	0.015	0.0369
FR_CC1	FR_CC1_2022-04-25_N	2022-04-25 - < 0.010	< 0.000050	0.339	148	0.0009	0.0437	6.67	211	< 0.000010	9.39	0.416	0.000043	0.00012	< 0.00030	0.0137	0.032
FR_CC1	FR_CC1_2022-05-02_N	2022-05-02 - < 0.010	< 0.000050	0.327	143	0.00069	0.0414	6.56	230	< 0.000010	9.29	0.414	0.000046	< 0.00010	< 0.00030	0.0144	0.0286
FR_CC1	FR_CC1_2022-05-06_N	2022-05-06 - < 0.010	< 0.000050	0.324	138	0.001	0.0417	7.06	225	< 0.000010	9.67	0.389	0.000045	< 0.00010	< 0.00030	0.0132	0.0301
FR_CC1	FR_CC1_2022-05-07_N	2022-05-07 - < 0.010	< 0.000050	0.296	130	0.00128	0.0403	6.55	218	< 0.000010	8.97	0.404	0.000044	0.00019	< 0.00030	0.0138	0.0425
FR_CC1 FR_CC1	FR_CC1_2022-05-08_N	2022-05-08 - < 0.010 2022-05-09 - < 0.010	< 0.000050	0.334	132 152	0.00102 0.00108	0.041 0.0412	6.47 7.04	206 213	< 0.000010	9.37 9.97	0.401	0.000046	< 0.00010	< 0.00030	0.014 0.0139	0.034
FR_CC1	FR_CC1_2022-05-09_N FR_CC1_2022-05-10_N	2022-05-09 - < 0.010 2022-05-10 - < 0.010	< 0.000050 < 0.000050	0.345 0.32	137	0.00108	0.0412	6.74	191	< 0.000010 < 0.000010	9.97	0.389 0.37	0.000049 0.000042	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.0139	0.0593 0.0302
FR CC1	FR CC1 2022-05-10_N	2022-05-10 - < 0.010	< 0.000050	0.32	130	0.00101	0.0379	6.62	180	< 0.000010	9.33	0.368	0.000042	< 0.00010	< 0.00030	0.0123	0.0302
FR CC1	FR CC1 2022-05-11 N	2022-05-17 - < 0.010	< 0.000050	0.304	130	0.00091	0.037	6.47	197	< 0.000010	8.83	0.362	0.000044	< 0.00010	< 0.00030	0.0122	0.0339
FR CC1	FR CC1 2022-05-13 N	2022-05-13 - < 0.010	< 0.000050	0.328	146	0.00104	0.0393	7.01	172	< 0.000010	9.32	0.371	0.000047	< 0.00010	< 0.00030	0.0121	0.0335
FR CC1	FR CC1 2022-05-14 N	2022-05-14 - < 0.010	< 0.000050	0.315	136	0.00088	0.036	6.5	210	< 0.000010	9.2	0.38	0.000043	< 0.00010	< 0.00030	0.0125	0.0295
FR CC1	FR CC1 2022-05-16 N	2022-05-16 - < 0.010	< 0.000050	0.302	123	0.00099	0.0358	6.48	191	< 0.000010	8.76	0.336	0.000043	< 0.00010	< 0.00030	0.0116	0.0309
FR_CC1	FR_CC1_2022-05-25_N	2022-05-25 - < 0.010	< 0.000050	0.284	119	0.00098	0.0336	6.64	172	< 0.000010	9.44	0.324	0.000039	< 0.00010	< 0.00030	0.0108	0.0264
FR_CC1	FR_CC1_2022-05-30_N	2022-05-30 - < 0.010	< 0.000050	0.297	118	0.0013	0.0342	6.54	147	< 0.000010	9.56	0.304	0.000039	< 0.00010	< 0.00030	0.0104	0.0274
FR_CC1	FR_CC1_2022-06-13_N	2022-06-13 - < 0.010	< 0.000050	0.229	105	0.0008	0.0298	5.2	126	< 0.000010	8.25	0.318	0.000038	< 0.00010	< 0.00030	0.01	0.0225
FR_CC1	FR_CC1_2022-06-27_N	2022-06-27 - < 0.010	< 0.000050	0.226	101	0.00063	0.0285	5.02	126	< 0.000010	8.88	0.295	0.000033	< 0.00010	< 0.00030	0.0093	0.0259
FR_CC1	FR_CC1_2022-07-18_N	2022-07-18 - < 0.010	< 0.000050	0.238	94.6	0.00071	0.0268	4.9	131	< 0.000010	8.81	0.27	0.000031	< 0.00010	< 0.00030	0.00856	0.0259
FR_CC1 FR_CC1	FR_CC1_2022-07-25_N FR_CC1_2022-08-02_N	2022-07-25 - < 0.010 2022-08-02 - < 0.010	< 0.000050 0.000457	0.272 0.263	101 109	0.00063 0.00073	0.03 0.0315	5.16 5.29	132 143	< 0.000010 < 0.000010	9.24 10.1	0.275 0.298	0.000034 0.000036	< 0.00010 0.00038	< 0.00030 < 0.00030	0.00907 0.0102	0.0266 0.0399
FR_CC1	FR_CC1_2022-08-02_N FR_CC1_2022-08-08_N	2022-08-02 - < 0.010	< 0.000457	0.263	112	0.00073	0.0315	5.29	139	< 0.000010	9.76	0.298	0.000036	< 0.00038	< 0.00030		0.0399
FR CC1	FR_CC1_2022-06-06_N FR_CC1_2022-08-15_N	2022-08-08 - < 0.010	< 0.000030	0.271	114	0.00037	0.0358	5.23	131	< 0.000010	9.70	0.317	0.000033	< 0.00010	< 0.00060		0.0221
FR CC1	FR CC1 WS SESMP 2022-08 N	2022-08-19 - < 0.010	< 0.000100	0.349	122	0.00064	0.0378	5.26	144	< 0.000010	10.2	0.343	0.000035	< 0.00010	< 0.00030		0.0225
FR_CC1	FR_CC1_2022-08-22_N	2022-08-22 - < 0.010	< 0.000050	0.307	111	0.00055	0.0339	5.01	121	< 0.000010	9.23	0.335	0.000036	< 0.00010	< 0.00030		0.0216
FR_CC1	FR_CC1_2022-08-29_N	2022-08-29 - < 0.010	< 0.000050	0.343	132	0.00063	0.0376	5.4	151	< 0.000010	10.6	0.381	0.000038	< 0.00010	< 0.00030	0.0117	0.0237
FR_CC1	FR_CC1_RD_WS_2022-08-30_NP	2022-08-30 - < 0.010	< 0.000050	0.247	137	0.0007	0.0438	4.91	145	< 0.000010	11.6	0.412	0.000032	< 0.00010	< 0.00030	0.0141	0.0272
FR_CC1	FR_CC1_WS_SEPT-2022_N	2022-09-07 - < 0.010	< 0.000050	0.286	126	0.00042	0.0415	5.53	148	< 0.000010	10.1	0.387	0.000026	< 0.00010	< 0.00030	0.0131	0.0052
FR_CC1	FR_CC1_2022-09-07_N	2022-09-07 - < 0.010	< 0.000050	0.325	125	0.00053	0.0459	5.43	157	< 0.000010	10.3	0.39	0.000025	< 0.00010	< 0.00030	0.0128	0.0242
FR_CC1	FR_CC1_CC1A_2022-09-12_N	2022-09-12 - < 0.010	0.00007	0.39	137	0.00063	0.0515	6.04	198	< 0.000010	11	0.418	0.00004	< 0.00010	< 0.00030	0.0134	0.0214
FR_CC1	FR_CC1_CC1A_2022-09-17_N	2022-09-17 - < 0.020	0.000284	0.412	144	0.00063	0.0535	6.16	176	< 0.000020	11.4	0.421	0.000043	< 0.00020	< 0.00060	0.0145	0.0302
FR_CC1	FR_CC1_CC1A_2022-09-18_N	2022-09-18 - 0.036	< 0.000100	0.426	137	0.00187	0.051	5.71	160	< 0.000020	10.9	0.435	0.000041	< 0.00020	< 0.00060	0.0146	0.0202
FR_CC1	FR_CC1_CC1A_2022-09-19_N	2022-09-19 - < 0.020	< 0.000100	0.449	153	0.00089	0.0585	6.4	202	< 0.000020	11.5	0.484	0.000044	< 0.00020	< 0.00060	0.0158	0.0176
FR_CC1	FR_DC1_2022-09-19_N	2022-09-19 - < 0.020	< 0.000100	0.415	143	0.00072	0.0536	5.82	194	< 0.000020	10.7	0.472	0.000049	< 0.00020	< 0.00060	0.0155	0.0164

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissolv	ed Metals					
Sample	Sample	Sample Date	Hardness	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		1		ute							ute			J	Acute Chronic
50 W 60 5W 41				¥ 5	2						¥ 5				
BC WQG FWAL Fording River Operation			n/a	0.020-0.10 ^a 0.005-0.	05 ^a n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
FR CC1	FR FLD1 2022-09-19 N	2022-09-19		0.0037	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00020
FR CC1	FR CC1 CC1A 2022-09-20 N	2022-09-19	-	0.0037	0.0008	< 0.00010	0.00010	< 0.020	< 0.000050	0.039	0.000126	303	< 0.00010	0.00021	0.00059
FR CC1	FR CC1 CC1A 2022-09-20 N	2022-09-21	- -	< 0.0017	0.0007	< 0.00010	0.0310	< 0.020	< 0.000100	0.039	0.000120	290	< 0.00010	0.00021	0.0013
FR CC1	FR CC1 CC1A 2022-09-22 N	2022-09-22		0.0152	0.00076	< 0.00020	0.0348	< 0.040	< 0.000100	0.035	0.000221	286	< 0.00020	0.00021	0.00042
FR CC1	FR CC1 RD-WS 2022-09-01 NP	2022-09-22	_	0.003	0.00078	< 0.00020	0.0348	< 0.040	< 0.000100	0.035	0.000107	288	0.00032	< 0.20	0.00182
FR CC1	FR CC1 CC1A 2022-09-23 N	2022-09-23	-	0.0013	0.00074	< 0.00010	0.0347	< 0.020	< 0.000050	0.034	0.000117	272	< 0.00010	0.00019	0.00145
FR CC1	FR CC1 CC1A 2022-09-24 N	2022-09-24	-	0.001	0.00068	< 0.00010	0.0449	< 0.020	< 0.000050	0.03	0.000387	253	< 0.00010	0.00017	0.00167
FR CC1	FR CC1 CC1A 2022-09-25 N	2022-09-25	-	< 0.0020	0.00078	< 0.00020	0.0382	< 0.040	< 0.000100	0.03	0.000244	267	< 0.00020	< 0.20	< 0.00040
FR CC1	FR CC1 CC1A 2022-09-26 N	2022-09-26	-	< 0.0020	0.0007	< 0.00020	0.0442	< 0.040	< 0.000100	0.036	0.000515	281	< 0.00020	0.00022	0.00046
FR CC1	FR CC1 CC1A 2022-10-03 N	2022-10-03	-	0.0017	0.00071	< 0.00010	0.0502	< 0.020	< 0.000050	0.033	0.000714	290	< 0.00010	0.00018	0.00051
FR CC1	FR CC1 CC1A 2022-10-11 N	2022-10-11	_	0.0013	0.00059	< 0.00010	0.0499	< 0.020	< 0.000050	0.029	0.000519	234	< 0.00010	0.00014	0.00028
FR CC1	FR CC1 CC1A 2022-10-17 N	2022-10-17	-	0.005	0.00064	< 0.00020	0.0499	< 0.040	< 0.000100	0.025	0.000549	240	0.00032	< 0.20	< 0.00040
FR CC1	FR CC1 2022-10-24 N	2022-10-24	-	0.005	0.00057	< 0.00020	0.0561	< 0.040	< 0.000100	0.029	0.000559	256	< 0.00020	< 0.20	0.00128
FR CC1	FR CC1A 2022-10-31 N	2022-10-31	_	0.0033	0.00053	0.0001	0.0522	< 0.020	< 0.000050	0.024	0.000434	229	< 0.00010	0.00013	0.00031
FR CC1	FR CC1 2022-11-07 N	2022-11-07	_	0.0042	0.00059	0.00011	0.0501	< 0.020	< 0.000050	0.026	0.000501	233	< 0.00010	0.00014	0.00032
FR CC1	FR CC1 2022-11-14 N	2022-11-14	-	< 0.0020	0.00069	< 0.00020	0.0386	< 0.040	< 0.000100	0.028	0.000563	264	< 0.00020	< 0.20	< 0.00040
FR CC1	FR CC1 2022-11-21 N	2022-11-21	-	0.0039	0.00079	< 0.00020	0.0352	< 0.040	< 0.000100	0.036	0.000646	304	< 0.00020	< 0.20	< 0.00040
FR EC1	FR EC1 MON 2022-01-01 N	2022-03-23	_	0.0067	0.00102	0.00024	0.0827	< 0.020	< 0.000050	0.024	0.000126	120	< 0.00010	0.00082	0.00125
FR EC1	FR EC1 MON 2022-03-01 N	2022-03-28	-	0.0082	0.00079	0.00029	0.0661	< 0.020	< 0.000050	0.023	0.000646	85.4	< 0.00010	0.00067	0.00054
FR EC1	FR EC1 MON 2022-04-01 N	2022-04-04	-	0.0056	0.00083	0.00027	0.0567	< 0.020	< 0.000050	0.026	0.000156	211	< 0.00010	0.00058	0.00098
FR EC1	FR EC1 WEK 2022-04-11 N	2022-04-14	-	0.0043	0.00068	< 0.00020	0.0459	< 0.040	< 0.000100	0.03	0.000197	221	< 0.00020	0.0005	0.00042
FR EC1	FR EC1 WEK 2022-04-18 N	2022-04-19	-	-	-	-	-	-	-	-	-	-	-	-	-
FR EC1	FR EC1 WEK 2022-04-25 N	2022-04-28	-	-	-	-	-	-	-	-	-	-	-	-	-
FR EC1	FR EC1 MON 2022-05-01 N	2022-05-02	-	0.0031	0.0006	< 0.00020	0.0279	< 0.040	< 0.000100	0.035	0.0000112	274	< 0.00020	0.00032	< 0.00040
FR_EC1	FR_EC1_WEK_2022-05-09_N	2022-05-12	-	-	-	-	-	-	-	-	-	-	-	-	-
FR EC1	FR EC1 WEK 2022-05-16 N	2022-05-16	-	-	-	-	-	-	-	-	-	-	-	-	-
FR EC1	FR EC1 WEK 2022-05-23 N	2022-05-23	-	-	_	-	-	-	-	-	-	-	-	-	-
FR_EC1	FR_EC1_WEK_2022-05-30_N	2022-06-01	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_EC1	FR_EC1_MON_2022-06-01_N	2022-06-08	-	0.0025	0.00065	< 0.00020	0.0189	< 0.040	< 0.000100	0.035	< 0.0100	325	< 0.00020	< 0.20	< 0.00040
FR_EC1	FR EC1 WEK 2022-06-13 N	2022-06-13	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_EC1	FR_EC1_WEK_2022-06-20_N	2022-06-20	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_EC1	FR_EC1_WEK_2022-06-27_N	2022-06-29		-	-	-	-	-	-	-	-	-	-	-	-
FR_EC1	FR_EC1_MON_2022-07-01_N	2022-07-04	-	0.0052	0.00064	0.00032	0.0372	< 0.040	< 0.000100	0.039	0.0000985	286	< 0.00020	0.00046	0.0007
FR_EC1	FR_EC1_WEK_2022-07-11_N	2022-07-12	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_FR1	FR_FR1_WEK_2022-03-28_N	2022-03-30	- 1	0.0197	< 0.00010	0.00012	0.0506	< 0.020	< 0.000050	< 0.010	0.0000258	54.5	0.0001	< 0.10	0.00038
FR_FR1	FR_FR1_MON_2022-04-01_N	2022-04-04	-	0.0093	< 0.00010	0.00012	0.0501	< 0.020	< 0.000050	< 0.010	0.0000233	75.7	< 0.00010	< 0.10	< 0.00020
FR_FR1	FR_FR1_WEK_2022-04-11_N	2022-04-11	-	0.0143	< 0.00010	0.00011	0.0482	< 0.020	< 0.000050	< 0.010	0.0000287	76.9	0.00012	< 0.10	0.00035
FR_FR1	FR_FR1_WEK_2022-04-18_NP	2022-04-20	-	0.0159	< 0.00010	_	0.0483	< 0.020	< 0.000050		0.0000234		< 0.00010		0.00031
FR_FR1	FR_FR1_WS_2022-04-25_NP	2022-04-25	-	0.0522	< 0.00010	0.00018	0.0452	< 0.020	< 0.000050	< 0.010	0.0000568	37.1	0.00011	0.00023	0.00083
FR_FR1	FR_FR1_WS_2022-04-26_NP	2022-04-26	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_FR1	FR_FR1_WEK_2022-04-25_NP	2022-04-26	-	0.0359	< 0.00010	0.00013	0.045	< 0.020	< 0.000050	< 0.010	0.0000342	48.5		0.00014	0.00047
FR_FR1	FR_FR1_MON_2022-05-02_NP	2022-05-03	-	0.0103	< 0.00010	0.0001	0.0421	< 0.020	< 0.000050	< 0.010	0.0000193	56.5	0.0001	< 0.10	0.00026
FR_FR1	FR_FR1_WEK_2022-05-09_NP	2022-05-10	-	0.0081	< 0.00010	0.00011	0.0374	< 0.020	< 0.000050	< 0.010	0.0000138	54.8	0.00018	< 0.10	0.00038
FR_FR1	FR_FR1_WEK_2022-05-16_NP	2022-05-17	-	0.0042	< 0.00010	0.00012	0.0369	< 0.020	< 0.000050	< 0.010	0.0000184	58.2	0.00012	< 0.10	0.00032
FR_FR1	FR_FR1_WEK_2022-05-23_NP	2022-05-25	-	0.0044	< 0.00010	< 0.00010	0.0341	< 0.020	< 0.000050	< 0.010	0.0000163	49.2	0.00011	< 0.10	0.00034
FR_FR1	FR_FR1_WEK_2022-05-30_NP	2022-05-31	-	0.004	< 0.00010	< 0.00010	0.0344	< 0.020	< 0.000050	< 0.010	0.0000112	40.7	0.0001	< 0.10	0.00024
FR_FR1	FR_FR1_MON_2022-06-06_NP	2022-06-07	-	0.0036	0.00012	0.0001	0.0369	< 0.020	< 0.000050	< 0.010	0.0000476	57.3	< 0.00010	< 0.10	0.00024
FR_FR1	FR_FR1_WEK_2022-06-13_NP	2022-06-14	-	0.0039	< 0.00010	< 0.00010	0.0274	< 0.020	< 0.000050	< 0.010	0.00008	37.2	< 0.00010	< 0.10	< 0.00020
FR_FR1	FR_DC1_WEK_2022-06-20_NP	2022-06-21	-	0.0036	< 0.00010	< 0.00010	0.01823333	< 0.020	< 0.000050	< 0.010	9.66667E-06	25.62		< 0.10	0.000206667
FR_FR1	FR_FR1_WEK_2022-06-27_NP	2022-06-28	-	0.0033	< 0.00010	< 0.00010	0.0237	< 0.020	< 0.000050	< 0.010	0.000096	35.2	< 0.00010	< 0.10	< 0.00020
_		•			•	•	•		•	•	•	•	•	•	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals							
Sample	Sample	Sample Date H	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Fording River Operation		1																
FR_CC1	FR_FLD1_2022-09-19_N	2022-09-19 -	< 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	0.0001	< 0.00030	< 0.000010	< 0.0010
FR_CC1 FR_CC1	FR_CC1_CC1A_2022-09-20_N	2022-09-20 -	0.019	< 0.000050	0.442	157	0.00087	0.0624	6.88	218	< 0.000010	13	0.468	0.000044	< 0.00010	< 0.00030	0.0154	0.0141
FR_CC1	FR_CC1_CC1A_2022-09-21_N FR_CC1_CC1A_2022-09-22_N	2022-09-21 - 2022-09-22 -	< 0.020 < 0.020	0.000276 < 0.000100	0.37 0.306	163 149	0.00085 0.00162	0.0554 0.0569	6.12 6.13	169 173	< 0.000020 < 0.000020	11.4 11.7	0.447 0.424	0.00004 0.000041	< 0.00020 < 0.00020	< 0.00060 < 0.00060	0.0153 0.0152	0.0189 0.0148
FR CC1	FR CC1 RD-WS 2022-09-01 NP	2022-09-22 -	< 0.020	0.000864	0.407	152	0.00162	0.0569	6.02	171	< 0.000020	12	0.424	0.000041	< 0.00020	< 0.00060	0.0132	0.0177
FR CC1	FR CC1 CC1A 2022-09-01 NF	2022-09-23 -	< 0.020	0.000304	0.463	152	0.00057	0.055	6.53	222	< 0.000020	11.9	0.423	0.000043	< 0.00020	< 0.00030	0.0155	0.0167
FR CC1	FR CC1 CC1A 2022-09-24 N	2022-09-24 -	< 0.010	0.000533	0.354	131	0.00076	0.0452	5.99	178	< 0.000010	10.3	0.396	0.000035	< 0.00010	< 0.00030	0.0119	0.0291
FR CC1	FR CC1 CC1A 2022-09-25 N	2022-09-25 -	< 0.020	< 0.000100	0.39	144	0.00053	0.0503	5.99	171	< 0.000020	10.5	0.428	0.000043	< 0.00020	< 0.00060	0.0138	0.0197
FR CC1	FR CC1 CC1A 2022-09-26 N	2022-09-26 -	< 0.020	< 0.000100	0.42	161	0.00067	0.0585	6.64	181	< 0.000020	12.4	0.437	0.000039	< 0.00020	< 0.00060	0.0139	0.0298
FR_CC1	FR_CC1_CC1A_2022-10-03_N	2022-10-03 -	< 0.010	< 0.000050	0.35	143	0.00333	0.0478	5.69	182	< 0.000010	10.8	0.439	0.000041	0.00029	< 0.00030	0.0124	0.0372
FR_CC1	FR_CC1_CC1A_2022-10-11_N	2022-10-11 -	< 0.010	< 0.000050	0.304	114	0.00101	0.0394	4.69	159	< 0.000010	8.32	0.356	0.000032	< 0.00010	< 0.00030	0.0108	0.028
FR_CC1	FR_CC1_CC1A_2022-10-17_N	2022-10-17 -	< 0.020	< 0.000100	0.298	119	0.00098	0.0448	4.95	146	< 0.000020	8.71	0.362	0.000031	< 0.00020	< 0.00060	0.012	0.0305
FR_CC1	FR_CC1_2022-10-24_N	2022-10-24 -	< 0.020	0.000106	0.309	130	0.00112	0.0438	5.09	143	< 0.000020	9.25	0.376	0.000032	< 0.00020	< 0.00060	0.0116	0.0357
FR_CC1	FR_CC1A_2022-10-31_N	2022-10-31 -	< 0.010	< 0.000050	0.263	120	0.00094	0.0393	4.86	167	< 0.000010	8.47	0.33	0.00003	< 0.00010	< 0.00030	0.0115	0.0231
FR_CC1	FR_CC1_2022-11-07_N	2022-11-07 -	< 0.010	< 0.000050	0.258	120	0.00084	0.0414	5.01	152	< 0.000010	8.92	0.351	0.000029	< 0.00010	< 0.00030	0.0106	0.0273
FR_CC1	FR_CC1_2022-11-14_N	2022-11-14 -	< 0.020	< 0.000100	0.318	144	0.00089	0.051	6.26	182	< 0.000020	11.2	0.42	0.000045	< 0.00020	< 0.00060	0.0143	0.0287
FR_CC1	FR_CC1_2022-11-21_N	2022-11-21 -	< 0.020	< 0.000100	0.387	171	0.00116	0.0583	6.63	205	< 0.000020	12.5	0.476	0.00005	< 0.00020	< 0.00060	0.0163	0.0392
FR_EC1	FR_EC1_MON_2022-01-01_N	2022-03-23 -	< 0.010	< 0.000050	0.0406	98.8	0.0199	0.00842	3.86	112	< 0.000010	6.88	0.247	0.00002	< 0.00010	< 0.00030	0.00736	0.0048
FR_EC1	FR_EC1_MON_2022-03-01_N	2022-03-28 -	< 0.010	< 0.000050	0.0251	58.8	0.0271	0.00492	3.21	67.8	< 0.000010	5.48	0.244	0.000018	< 0.00010	< 0.00030	0.00414	0.0023
FR_EC1	FR_EC1_MON_2022-04-01_N	2022-04-04 -	< 0.010	< 0.000050	0.0737	166	0.0161	0.0124	4.26	190	< 0.000010	9.21	0.284	0.000023	< 0.00010	< 0.00030	0.013	0.007
FR_EC1	FR_EC1_WEK_2022-04-11_N	2022-04-14 -	< 0.020	< 0.000100	0.0882	177	0.014	0.0126	4.39	203	< 0.000020	11.3	0.321	0.000023	< 0.00020	< 0.00060	0.0137	0.0081
FR_EC1	FR_EC1_WEK_2022-04-18_N FR_EC1_WEK_2022-04-25_N	2022-04-19 - 2022-04-28 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_EC1	FR EC1 MON 2022-04-25 N	2022-04-26 -	< 0.020	< 0.000100	0.114	245	0.00154	0.0166	5.49	283	< 0.000020	14.6	0.362	0.000027	< 0.00020	< 0.00060	0.0178	< 0.0020
FR EC1	FR EC1 WEK 2022-05-01 N	2022-05-12 -	- 0.020	- 0.000100	-	-	-	-	-	-	- 0.000020	14.0	-	-	- 0.00020	- 0.00000	-	- 0.0020
FR EC1	FR EC1 WEK 2022-05-16 N	2022-05-16 -	-	-		-			-	_	-	_	-	-	-	-	-	_
FR EC1	FR EC1 WEK 2022-05-23 N	2022-05-23 -		_	-	_	_	_	_	_	_	_	-	-	_	_	-	_
FR EC1	FR_EC1_WEK_2022-05-30_N	2022-06-01 -	_	_	-	-	_	_	-	_	_	_	_	-	_	_	-	_
FR EC1	FR EC1 MON 2022-06-01 N	2022-06-08 -	< 0.020	< 0.000100	0.159	295	0.00063	0.0163	5.58	355	< 0.000020	16	0.416	0.000023	< 0.00020	< 0.00060	0.0196	< 0.0020
FR EC1	FR EC1 WEK 2022-06-13 N	2022-06-13 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR EC1	FR EC1 WEK 2022-06-20 N	2022-06-20 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_EC1	FR_EC1_WEK_2022-06-27_N	2022-06-29 -	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
FR_EC1	FR_EC1_MON_2022-07-01_N	2022-07-04 -	< 0.020	< 0.000100	0.118	247	0.00761	0.016	5.61	290	< 0.000020	14.8	0.372	0.00003	< 0.00020	< 0.00060	0.0172	0.0057
FR_EC1	FR_EC1_WEK_2022-07-11_N	2022-07-12 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_FR1	FR_FR1_WEK_2022-03-28_N	2022-03-30 -	0.018	< 0.000050	0.0056	19.7	0.00436	0.00067	0.614	13.4	< 0.000010	0.67	0.0887	< 0.000010	< 0.00010	0.00035	0.000757	0.0015
FR_FR1	FR_FR1_MON_2022-04-01_N	2022-04-04 -	< 0.010	< 0.000050	0.0098	31.1	0.00185	0.00075	0.8	25.5	< 0.000010	0.733	0.117	< 0.000010	< 0.00010	< 0.00030	0.00125	< 0.0010
FR_FR1	FR_FR1_WEK_2022-04-11_N	2022-04-11 -	0.017	< 0.000050	0.0114	33.2	0.00226	0.00088	0.851	33.5	< 0.000010	0.75	0.115	< 0.000010	< 0.00010	< 0.00030	0.00134	0.003
FR_FR1	FR_FR1_WEK_2022-04-18_NP	2022-04-20 -	0.017	< 0.000050	0.0084	25	0.0013	< 0.00050	0.75	21.9	< 0.000010	0.718	0.104	< 0.000010		< 0.00030	0.00104	0.0025
FR_FR1	FR_FR1_WS_2022-04-25_NP	2022-04-25 -	0.076	< 0.000050	0.0043	15	0.0196	0.00116	0.616	10	< 0.000010	0.6	0.0651	< 0.000010	< 0.00010	0.00073	0.000579	0.0022
FR_FR1	FR_FR1_WS_2022-04-26_NP	2022-04-26 -	0.056	- 0.000050	0.0056	- 10.6	0.0429	0.00006	- 0.609	12.0	- 0.000010	- 0.660	0.0006	- 0.000010	- 0.00010	0.00049	0.000760	- 0.0036
FR_FR1 FR_FR1	FR_FR1_WEK_2022-04-25_NP FR_FR1_MON_2022-05-02_NP	2022-04-26 - 2022-05-03 -	0.056	< 0.000050 < 0.000050	0.0056 0.0066	18.6 22	0.0138 0.00203	0.00086 0.00071	0.608 0.657	13.9 18.2	< 0.000010 < 0.000010	0.669 0.723	0.0836 0.095	< 0.000010 < 0.000010	< 0.00010 < 0.00010	0.00048 < 0.00030	0.000762 0.000955	0.0026 < 0.0010
FR FR1	FR_FR1_MON_2022-05-02_NP FR_FR1_WEK_2022-05-09_NP	2022-05-03 -	0.011 < 0.010	< 0.000050	0.0066	20.4	0.00203	0.00071	0.621	14.4	< 0.000010	0.723	0.095	< 0.000010	< 0.00010	< 0.00030	0.000955	< 0.0010
FR FR1	FR_FR1_WEK_2022-05-09_NP FR_FR1_WEK_2022-05-16_NP	2022-05-10 -	< 0.010	< 0.000050	0.0055	18.9	0.00132	< 0.00050	0.621	10.7	< 0.000010	0.642	0.0919	< 0.000010	< 0.00010	< 0.00030	0.000861	< 0.0010
FR FR1	FR FR1 WEK 2022-05-10_NP	2022-05-25 -	< 0.010	< 0.000050	0.0052	18	0.001	0.00051	0.532	11.3	< 0.000010	0.626	0.0969	< 0.000010	< 0.00010	< 0.00030	0.000795	0.004
FR FR1	FR FR1 WEK 2022-05-30 NP	2022-05-31 -	< 0.010	< 0.000050	0.0034	13.6	0.00056	< 0.00051	0.320	5.81	< 0.000010	0.562	0.0788	< 0.000010	< 0.00010	< 0.00030	0.000793	< 0.004
FR FR1	FR FR1 MON 2022-06-06 NP	2022-06-07 -	< 0.010	< 0.000050	0.0004	26	0.00030	0.00227	1.03	25.1	< 0.000010	1.42	0.0766	< 0.000010	< 0.00010	< 0.00030	0.000300	0.0021
FR FR1	FR FR1 WEK 2022-06-13 NP	2022-06-14 -	< 0.010	< 0.000050	0.0031	10.6	0.00078	< 0.00050	0.401	4.23	< 0.000010	0.464	0.0676	< 0.000010	< 0.00010	< 0.00030	0.000507	
FR FR1	FR DC1 WEK 2022-06-20 NP	2022-06-21 -	< 0.010	< 0.000050	0.0026		0.000696667	< 0.00050	0.309666667	3.436666667		0.400333333	0.045466667		< 0.00010	< 0.00030		0.001066667
FR FR1	FR FR1 WEK 2022-06-27 NP	2022-06-28 -	< 0.010	< 0.000050	0.003	10.9	0.00078	< 0.00050	0.409	4.26	< 0.000010	0.406	0.0661	< 0.000010		< 0.00030		

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissolv	ed Metals					
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			ard	<u> </u>	l ji	Se	aric	Zie Zie	l s	o o	adr	alci	5 L	ops	do l
Sample	Sample	Sample Date		⋖	₹	₹	Ď.	<u>ň</u>	<u> </u>	<u>ň</u>	<u>O</u>	ŭ	<u></u> <u></u>	ŭ	Ö
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				onic							onic te				Acute Chronic
				Şi Çi							, je				Acute
BC WQG FWAL			n/a	0.020-0.10 ^a 0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Fording River Operation			1170	0.020-0.10 0.003-0.03			114			1.00	0.00002-0.00173	1.00	1110	1110	DLIN
FR_FR1	FR_FR1_QTR_2022-07-04_NP	2022-07-05	-	0.0034	< 0.00010	< 0.00010	0.0219	< 0.020	< 0.000050	< 0.010	0.0000071	36.1	< 0.00010	< 0.10	< 0.00020
FR_FR1	FR_FR1_WEK_2022-07-11_NP	2022-07-13	-	0.0022	< 0.00010	< 0.00010	0.0228	< 0.020	< 0.000050	< 0.010	0.0000095	35.6	< 0.00010	< 0.10	< 0.00020
FR_FR1	FR_FR1_MON_2022-08-01_NP	2022-08-09	-	0.0019	< 0.00010	0.00011	0.0376	< 0.020	< 0.000050	< 0.010	0.0000184	54.7	0.00012	< 0.10	< 0.00020
FR_FR1	FR_FR1_MON_2022-09-05_NP	2022-09-13	-	0.0046	< 0.00010	< 0.00010	0.041	< 0.020	< 0.000050	< 0.010	0.0000183	64.3	0.00013	< 0.10	< 0.00020
FR_FR1	FR_FR1_QTR_2022-10-03_NP	2022-10-12	-	< 0.0010	< 0.00010 < 0.00010	< 0.00010 < 0.00010	0.0392	< 0.020 < 0.020	< 0.000050	< 0.010 < 0.010	0.0000216	74.4 67.9	< 0.00010	< 0.10 < 0.10	< 0.00020
FR_FR1 FR_FR2	FR_FR1_MON_2022-11-07_NP FR_FR2_MON_2022-01-04_N	2022-11-03 2022-01-08	-	0.0014 0.0013	0.00010	0.00010	0.038 0.0965	< 0.020	< 0.000050 < 0.000050	0.016	0.0000237 0.0000801	148	< 0.00010 0.00012	< 0.00010	0.00055 < 0.00020
FR FR2	FR FR2 MON 2022-01-04_N	2022-01-00	H	< 0.0010	0.00023	< 0.00017	0.0958	< 0.020	< 0.000050	0.010	0.0000894	168	< 0.00012	< 0.00010	0.00020
FR FR2	FR FR2 WS 2022-02-28 N	2022-02-28	-	< 0.0010	0.00026	0.00011	0.11	< 0.020	< 0.000050	0.013	0.0000811	159	< 0.00010	< 0.00010	< 0.00020
FR_FR2	FR_FR2_MON_2022-03-01_N	2022-03-03	-	< 0.0010	0.00022	< 0.00010	0.0946	< 0.020	< 0.000050	0.011	0.000074	154	0.00011	< 0.10	< 0.00020
FR_FR2	FR_ FR2_WEK_2022-03-14_N	2022-03-14	-	0.0038	0.00024	< 0.00010	0.0991	< 0.020	< 0.000050	0.011	0.0000753	169	0.0001	< 0.10	0.00031
FR_FR2	FR_ FR2_WEK_2022-03-15_NP	2022-03-15	-	0.004	0.00023	< 0.00010	0.101	< 0.020	< 0.000050	0.011	0.0000762	147	< 0.00010	< 0.10	0.00032
FR_FR2	FR_FR2_WS_2022-03-16_NP	2022-03-16	-	0.0012	0.00021	< 0.00010	0.0786	< 0.020	< 0.000050	0.012	0.0000599	149	< 0.00010	< 0.10	0.00054
FR_FR2	FR_ FR2_WEK_2022-03-16_NP	2022-03-16	-	0.0016	0.00023	< 0.00010	0.0916	< 0.020	< 0.000050	0.012	0.0000663	153	< 0.00010	< 0.10	< 0.00020
FR_FR2 FR_FR2	FR_FR2_2_WS_2022-03-17_NP FR_FR2_WEK_2022-03-17_NP	2022-03-17 2022-03-17	-	0.0035 0.0015	0.00025 0.00024	< 0.00010 < 0.00010	0.0926 0.0938	< 0.020 < 0.020	< 0.000050 < 0.000050	0.012 0.011	0.0000735 0.0000791	162 134	0.00015 < 0.00010	0.00012 0.0001	0.00138 < 0.00020
FR_FR2	FR_FR2_WER_2022-03-17_NP FR_FR2_2_WS_2022-03-18_NP	2022-03-17	-	0.0013	0.00024	< 0.00010	0.0936	< 0.020	< 0.000050	0.011	0.0000791	145	< 0.00010	0.0001	0.00020
FR FR2	FR FR2 WEK 2022-18 NP	2022-03-18	H	0.0029	0.00020	< 0.00010	0.0943	< 0.020	< 0.000050	0.011	0.0000759	148	< 0.00010	0.0001	0.00021
FR FR2	FR FR2 WS 2022-03-19 NP	2022-03-10	-	0.0016	0.00027	< 0.00010	0.0964	< 0.020	< 0.000050	0.012	0.0000827	148	< 0.00010	< 0.10	< 0.00020
FR_FR2	FR_FR2_WS_2022-03-20_NP	2022-03-20	-	0.0028	0.00028	< 0.00010	0.093	< 0.020	< 0.000050	0.012	0.0000765	145	< 0.00010	0.00011	< 0.00020
FR_FR2	FR_FR2_2_WS_2022-03-21_NP	2022-03-21	-	0.002	0.00028	< 0.00010	0.0934	< 0.020	< 0.000050	0.012	0.0000821	146	< 0.00010	0.00011	< 0.00020
FR_FR2	FR_FR2_2_WS_2022-03-22_NP	2022-03-22	-	0.0014	0.00028	< 0.00010	0.0887	< 0.020	< 0.000050	0.012	0.000078	146	< 0.00010	0.00012	< 0.00020
FR_FR2	FR_FR2_2_WS_2022-03-23_NP	2022-03-23	-	< 0.0010	0.00034	0.00013	0.0966	< 0.020	< 0.000050	0.012	0.000959	143	0.0001	0.00017	< 0.00020
FR_FR2	FR_DC1_WEK_2022-03-28_N	2022-03-30	-	0.00355	0.00079	0.00017	0.1115	< 0.020	< 0.000050	0.012	0.000122	137.5	< 0.00010	0.0005	0.000355
FR_FR2 FR_FR2	FR_FR2_MON_2022-04-01_N FR FR2 WEK 2022-04-11 N	2022-04-05 2022-04-12	-	0.0018 0.0035	0.00074 0.00066	0.00014 0.00012	0.1 0.0929	< 0.020 < 0.020	< 0.000050 < 0.000050	0.011 0.012	0.000127 0.000171	137 146	< 0.00010 < 0.00010	0.0008 0.0005	0.00027 0.00032
FR FR2	FR DC1 WEK 2022-04-11 N	2022-04-12		0.0035	0.00032	< 0.00012	0.08025	< 0.020	< 0.000050	0.012	0.000171	144.5	< 0.00010	0.0003	0.00032
FR FR2	FR FLD WEK 2022-04-18 N	2022-04-19	_	< 0.0010	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.012	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00020
FR FR2	FR FLD WEK 2022-04-25 N	2022-04-27	-	< 0.0010	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00020
FR_FR2	FR_FR2_MON_2022-05-01_N	2022-05-04	-	0.0043	0.00022	0.00011	0.0549	< 0.020	< 0.000050	< 0.010	0.000153	101	< 0.00010	0.00025	0.00044
FR_FR2	FR_FR2_WEK_2022-05-09_N	2022-05-10	-	0.0032	0.00024	0.00011	0.0513	< 0.020	< 0.000050	< 0.010	0.000151	98.7	< 0.00010	0.00021	0.0004
FR_FR2	FR_FR2_WEK_2022-05-16_N	2022-05-19	-	0.0023	0.00019	< 0.00010	0.0514	< 0.020	< 0.000050	< 0.010	0.000107	88.1	< 0.00010	< 0.10	0.00032
FR_FR2	FR_FLD_WEK_2022-05-23_N	2022-05-26	-	< 0.0010	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00020
FR_FR2 FR_FR2	FR_FR2_WS_2022-05-27_NP FR FR2 WEK 2022-05-30 N	2022-05-27 2022-06-01	-	0.0023 0.0039	0.00014 0.00014	0.0001 < 0.00010	0.041 0.0409	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	0.0000589 0.0000578	67.4 57.7	< 0.00010 < 0.00010	< 0.10 < 0.10	0.00022 0.00034
FR_FR2	FR_FR2_WER_2022-05-30_N FR_DC3_MON_2022-06-01_N	2022-06-01	-	0.0039	0.00014	0.00010	0.0409	< 0.020	< 0.000050	< 0.010	0.0000378	52.8	< 0.00010	< 0.10	0.00034
FR FR2	FR FR2 MON 2022-06-01 N	2022-06-08	- -	-	- 0.000113	- 0.0001	-	- 0.020	- 0.000030		-	-		- 0.10	- 0.00027
FR FR2	FR DC1 WEK 2022-06-13 N	2022-06-13	-	0.00755	0.000105	0.000105	0.028	< 0.020	< 0.000050	< 0.010	0.00003155	47.35	< 0.00010	< 0.10	0.000265
FR_FR2	FR_FR2_WEK_2022-06-20_N	2022-06-21	-	0.0067	0.00011	0.00011	0.0338	< 0.020	< 0.000050	< 0.010	0.0000449	45.9	< 0.00010	< 0.10	0.00031
FR_FR2	FR_DC1_WEK_2022-06-20_N	2022-06-21	-	0.0061	0.00011	0.00012	0.0329	< 0.020	< 0.000050	< 0.010	0.0000408	46	< 0.00010	< 0.10	0.00029
FR_FR2	FR_DC1_WEK_2022-06-27_N	2022-06-28	-	0.00245	< 0.00010	< 0.00010	0.0311	< 0.020	< 0.000050	< 0.010	0.0000464	50.25	< 0.00010	< 0.10	< 0.00020
FR_FR2	FR_FR2_MON_2022-07-01_N	2022-07-04	-	0.0018	0.00013	< 0.00010	0.0326	< 0.020	< 0.000050	< 0.010	0.0000549	55.3	< 0.00010	< 0.10	0.0002
FR_FR2	FR_FR2_WEK_2022-07-05_N	2022-07-05	-	0.003	< 0.00010	< 0.00010	0.031	< 0.020	< 0.000050	< 0.010	0.0000556	54.5	< 0.00010	< 0.10	0.00026
FR_FR2 FR_FR2	FR_ FR2_WEK_2022-07-06_N FR_DC1_WEK_2022-07-07_N	2022-07-06 2022-07-07	-	0.0026 0.0023	< 0.00010 0.00012	< 0.00010 < 0.00010	0.0323 0.0343	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	0.0000472 0.000054	58.3 55	< 0.00010 < 0.00010	< 0.10 < 0.10	0.00025 < 0.00020
FR_FR2	FR_DC1_WEK_2022-07-07_N FR_FR3_WEK_2022-07-07_N	2022-07-07	-	0.0023	0.00012	< 0.00010	0.0343	< 0.020	< 0.000050	< 0.010	0.000034	55.2	0.00010	< 0.10	0.00020
FR FR2	FR DC1 WEK 2022-07-08 N	2022-07-08	-	0.0133	0.00013	0.00010	0.0341	< 0.020	< 0.000050	< 0.010	0.0000409	52.4	< 0.00011	< 0.10	0.00051
FR_FR2	FR_FR3_WEK_2022-07-08_N	2022-07-08	-	0.0047	0.00011	< 0.00010	0.0324	< 0.020	< 0.000050	< 0.010	0.0000474	51.9	< 0.00010	< 0.10	0.00023
FR_FR2	FR_FR2_WS_2022-07-09_N	2022-07-09	-	0.004	0.00013	< 0.00010	0.0347	< 0.020	< 0.000050	< 0.010	0.000052	55.1	< 0.00010	< 0.10	< 0.00020
FR_FR2	FR_FR2_WEK_2022-07-11_N	2022-07-12	-	0.0055	0.00018	< 0.00010	0.0382	< 0.020	< 0.000050	< 0.010	0.0019131	65.1	0.000105	< 0.10	0.00213
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< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals							
Sample	Sample	Sample Date H	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Fording River Operation	5D 5D4 07D 0000 07 04 ND	1 0000 07 05	0.040		2 222	10.0	0.00004	0.00050	0.074	4.00	1	0.404	0.0074	0.000040	0.00005		0.000400	T 0 0010
FR_FR1	FR_FR1_QTR_2022-07-04_NP	2022-07-05 -	< 0.010	< 0.000050	0.003	10.9 10.6	0.00064	< 0.00050	0.374	4.38	< 0.000010	0.404	0.0674 0.0672	< 0.000010	0.00325	< 0.00030	0.000499	< 0.0010
FR_FR1 FR_FR1	FR_FR1_WEK_2022-07-11_NP FR_FR1_MON_2022-08-01_NP	2022-07-13 - 2022-08-09 -	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0033 0.007	20.9	0.00071 0.00124	< 0.00050 < 0.00050	0.399 0.692	5.63 14.5	< 0.000010 < 0.000010	0.375 0.528	0.0672	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.000546 0.000905	< 0.0010 < 0.0010
FR FR1	FR FR1 MON 2022-09-05 NP	2022-08-09 -	< 0.010	< 0.000050	0.007	24.3	0.00124	0.0005	0.698	19.1	< 0.000010	0.528	0.0999	< 0.000010	< 0.00010	< 0.00030	0.000903	< 0.0010
FR FR1	FR FR1 QTR 2022-10-03 NP	2022-10-12 -	< 0.010	< 0.000050	0.0076	26.7	0.00049	0.00075	0.766	33.3	< 0.000010	0.63	0.124	< 0.000010	< 0.00010	< 0.00030	0.00111	< 0.0010
FR FR1	FR FR1 MON 2022-11-07 NP	2022-11-03 -	< 0.010	< 0.000050	0.0086	28.2	0.00059	0.00052	0.658	32.1	< 0.000010	0.619	0.118	< 0.000010	< 0.00010	< 0.00030	0.00113	0.0014
FR FR2	FR FR2 MON 2022-01-04 N	2022-01-08 -	0.014	< 0.000050	0.0792	70.6	0.0153	0.00648	2.32	92.6	< 0.000010	3.5	0.224	< 0.000010	< 0.00010	< 0.00030	0.00439	0.0036
FR_FR2	FR_FR2_MON_2022-02-01_N	2022-02-09 -	0.019	< 0.000050	0.0834	74.7	0.0167	0.00514	2.29	82.9	< 0.000010	3.67	0.23	< 0.000010	< 0.00010	< 0.00030	0.0045	0.0025
FR_FR2	FR_FR2_WS_2022-02-28_N	2022-02-28 -	0.02	< 0.000050	0.0908	77	0.0172	0.00574	2.92	88	< 0.000010	4.1	0.242	< 0.000010	< 0.00010	< 0.00030	0.00466	0.0032
FR_FR2	FR_FR2_MON_2022-03-01_N	2022-03-03 -	0.019	< 0.000050	0.0821	77.1	0.0178	0.00532	2.36	85.1	< 0.000010	3.76	0.223	< 0.000010	< 0.00010	< 0.00030	0.00457	0.0021
FR_FR2	FR_ FR2_WEK_2022-03-14_N	2022-03-14 -	0.021	< 0.000050	0.0873	81.8	0.0197	0.00534	2.38	92.3	< 0.000010	3.55	0.228	< 0.000010	< 0.00010	< 0.00030	0.00477	0.0039
FR_FR2	FR_ FR2_WEK_2022-03-15_NP	2022-03-15 -	0.019	< 0.000050	0.0774	73	0.0212	0.00549	2.34	84.8	< 0.000010	3.57	0.217	< 0.000010	< 0.00010	< 0.00030	0.00455	0.0044
FR_FR2	FR_FR2_WS_2022-03-16_NP	2022-03-16 -	< 0.010	< 0.000050	0.0742	62.6	0.0149	0.00402	1.97	74.6	< 0.000010	3.01	0.211	< 0.000010	< 0.00010	< 0.00030	0.00413	0.0028
FR_FR2	FR_ FR2_WEK_2022-03-16_NP	2022-03-16 -	< 0.010	< 0.000050	0.0837	71.4	0.0192	0.00531	2.25	83.4	< 0.000010	3.6	0.225	< 0.000010	< 0.00010	< 0.00030	0.00481	0.0026
FR_FR2 FR_FR2	FR_FR2_2_WS_2022-03-17_NP	2022-03-17 -	0.011	< 0.000050 < 0.000050	0.0813 0.069	75 68.7	0.0174	0.00494 0.00549	2.36 2.36	85 90.7	< 0.000010	3.82	0.229	< 0.000010	< 0.00010	< 0.00030	0.00454 0.00465	0.0045 0.0034
FR_FR2	FR_ FR2_WEK_2022-03-17_NP FR_ FR2_2_WS_2022-03-18_NP	2022-03-17 - 2022-03-18 -	< 0.010	< 0.000050	0.0896	77.4	0.0187 0.018	0.00549	2.38	90.7 85.4	< 0.000010 < 0.000010	3.8 3.91	0.209	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00465	0.0034
FR_FR2	FR_FR2_Z_WS_2022-03-16_NP FR_FR2_WEK_2022-18_NP	2022-03-18 -	< 0.010	< 0.000050	0.0824	75.3	0.016	0.00511	2.50	89.7	< 0.000010	3.96	0.231	< 0.000010	< 0.00010	< 0.00030	0.00459	0.0027
FR FR2	FR FR2 WS 2022-10 NP	2022-03-16 -	0.011	< 0.000050	0.0828	72.1	0.0202	0.00524	2.38	89.2	< 0.000010	3.87	0.222	< 0.000010	< 0.00010	< 0.00030	0.00479	0.0033
FR FR2	FR FR2 WS 2022-03-20 NP	2022-03-20 -	< 0.010	< 0.000050	0.0796	68.8	0.0178	0.00554	2.39	86.8	< 0.000010	3.8	0.216	< 0.000010	< 0.00010	< 0.00030	0.00475	0.0032
FR FR2	FR FR2 2 WS 2022-03-21 NP	2022-03-21 -	0.016	< 0.000050	0.0798	68.4	0.0174	0.00553	2.43	88.2	< 0.000010	3.62	0.221	< 0.000010	< 0.00010	< 0.00030	0.00483	0.0037
FR FR2	FR FR2 2 WS 2022-03-22 NP	2022-03-22 -	0.012	< 0.000050	0.0764	68.8	0.0168	0.00573	2.28	80.5	< 0.000010	3.48	0.215	< 0.000010	< 0.00010	< 0.00030	0.00452	0.0035
FR_FR2	FR_FR2_2_WS_2022-03-23_NP	2022-03-23 -	0.013	< 0.000050	0.0813	72.7	0.0181	0.00673	2.42	93.1	< 0.000010	3.63	0.222	< 0.000010	< 0.00010	< 0.00030	0.00427	0.004
FR_FR2	FR_DC1_WEK_2022-03-28_N	2022-03-30 -	< 0.010	< 0.000050	0.06055	60.8	0.0104	0.00976	2.41	82.15	< 0.000010	2.55	0.212	0.0000145	< 0.00010	< 0.00030	0.003685	0.0053
FR_FR2	FR_FR2_MON_2022-04-01_N	2022-04-05 -	< 0.010	< 0.000050	0.0683	63.1	0.0106	0.0124	2.35	82.2	< 0.000010	2.69	0.229	0.000016	< 0.00010	< 0.00030	0.00389	0.0061
FR_FR2	FR_FR2_WEK_2022-04-11_N	2022-04-12 -	0.013	< 0.000050	0.0773	65.4	0.0109	0.0126	2.66	91.1	< 0.000010	2.94	0.236	0.000013	< 0.00010	< 0.00030	0.00421	0.0085
FR_FR2	FR_DC1_WEK_2022-04-18_N	2022-04-18 -	< 0.010	< 0.000050	0.08495	66.55	0.00923	0.009915	2.405	104	< 0.000010	3.16	0.2115	0.0000115	< 0.00010	< 0.00030	0.004755	0.0067
FR_FR2	FR_FLD_WEK_2022-04-18_N	2022-04-19 -	< 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.000010	< 0.0010
FR_FR2	FR_FLD_WEK_2022-04-25_N	2022-04-27 -	< 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.000010	< 0.0010
FR_FR2	FR_FR2_MON_2022-05-01_N	2022-05-04 -	< 0.010	< 0.000050	0.0344	46.2	0.00638	0.008	1.64	63.3	< 0.000010	1.59	0.137	< 0.000010	< 0.00010	< 0.00030	0.00262	0.0065
FR_FR2	FR_FR2_WEK_2022-05-09_N FR_FR2_WEK_2022-05-16_N	2022-05-10 - 2022-05-19 -	< 0.010	< 0.000050 < 0.000050	0.0396 0.0328	45.6 38.8	0.00599 0.00416	0.0083 0.0056	1.79 1.61	67.2 54.4	< 0.000010 < 0.000010	1.72 1.57	0.132 0.125	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.0028 0.00247	0.0059 0.0044
FR FR2	FR FLD WEK 2022-05-10 N	2022-05-26 -	< 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00410	< 0.0050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.00247	< 0.0044
FR FR2	FR FR2 WS 2022-05-27 NP	2022-05-27 -	< 0.010	< 0.000050	0.0010	28.5	0.00231	0.00298	1.04	34.8	< 0.000010	1.12	0.107	< 0.000010	< 0.00010	< 0.00030	0.00164	0.0026
FR FR2	FR FR2 WEK 2022-05-30 N	2022-06-01 -	< 0.010	< 0.000050	0.0172	25.7	0.00248	0.00236	0.94	25.5	< 0.000010	1.13	0.095	< 0.000010	< 0.00010	< 0.00030	0.00145	0.0033
FR FR2	FR DC3 MON 2022-06-01 N	2022-06-08 -	< 0.010	< 0.000050	0.0155	19.3	0.00175	0.00205	0.825	16.85	< 0.000010	0.881	0.08815	< 0.000010	< 0.00010	< 0.00030	0.00105	0.0024
FR FR2	FR FR2 MON 2022-06-01 N	2022-06-08 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_FR2	FR_DC1_WEK_2022-06-13_N	2022-06-13 -	< 0.010	< 0.000050	0.0132	15.8	0.001705	0.001645	0.7395	12.3	< 0.000010	0.8075	0.07685	< 0.000010	< 0.00010	< 0.00030	0.000974	0.0055
FR_FR2	FR_FR2_WEK_2022-06-20_N	2022-06-21 -	< 0.010	< 0.000050	0.0118	17.3	0.00203	0.00242	0.766	17.2	< 0.000010	0.771	0.0736	< 0.000010	< 0.00010	< 0.00030	0.000995	0.0021
FR_FR2	FR_DC1_WEK_2022-06-20_N	2022-06-21 -	< 0.010	< 0.000050	0.0117	17.3	0.00205	0.00245	0.738	16.6	< 0.000010	0.76	0.0723	< 0.000010	< 0.00010	< 0.00030	0.000993	0.0019
FR_FR2	FR_DC1_WEK_2022-06-27_N	2022-06-28 -	< 0.010	< 0.000050	0.01515	19.7	0.001825	0.00224	0.8155	17.4	< 0.000010	0.872	0.08135	< 0.000010	< 0.00010	< 0.00030	0.00107	0.00275
FR_FR2	FR_FR2_MON_2022-07-01_N	2022-07-04 -	< 0.010	< 0.000050	0.0203	21.5	0.0023	0.0024	0.934	23.4	< 0.000010	1.02	0.0862	< 0.000010	< 0.00010	< 0.00030	0.00136	0.0022
FR_FR2	FR_ FR2_WEK_2022-07-05_N	2022-07-05 -	< 0.010	< 0.000050	0.0169	21.1	0.00221	0.00251	0.844	21.4	< 0.000010	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.084	< 0.000010	< 0.00010	< 0.00030	0.00124	0.0024
FR_FR2	FR_ FR2_WEK_2022-07-06_N	2022-07-06 -	< 0.010	< 0.000050	0.019	22.4	0.0023	0.00272	0.901	23.7	< 0.000010	1.04	0.085	< 0.000010	< 0.00010	< 0.00030	0.0013	0.0027
FR_FR2	FR_DC1_WEK_2022-07-07_N	2022-07-07 -	< 0.010	< 0.000050	0.0198	22.2	0.00239	0.00263	0.92	24.2	< 0.000010	1.04	0.0845	< 0.000010	< 0.00010	< 0.00030	0.00128	0.0024
FR_FR2 FR_FR2	FR_FR3_WEK_2022-07-07_N FR_DC1_WEK_2022-07-08_N	2022-07-07 -	0.014	< 0.000050 < 0.000050	0.0206 0.0175	22.1	0.0018	0.00534 0.00239	0.94 0.841	23.5	< 0.000010	1.07 0.941	0.0843 0.0833	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00126 0.00123	0.0032
FR_FR2	FR_DC1_WEK_2022-07-08_N FR_FR3_WEK_2022-07-08_N	2022-07-08 - 2022-07-08 -	< 0.014	< 0.000050	0.0175	20.5 20.6	0.00312 0.00166	0.00239	0.841	21 21.7	< 0.000010 < 0.000010	0.941	0.0833	< 0.000010	< 0.00010	< 0.00030	0.00123	0.0042 0.0037
FR_FR2	FR FR2 WS 2022-07-09 N	2022-07-08 -	< 0.010	< 0.000050	0.0162	20.6	0.00166	0.00219	0.032	25.4	< 0.000010	1.11	0.0795	< 0.000010	< 0.00010	< 0.00030	0.00119	0.0037
FR FR2	FR FR2 WEK 2022-07-11 N	2022-07-09 -	< 0.010	0.0000685	0.0255	27.3	0.0027	0.00274	1.255	37.9	< 0.000010	1.415	0.0072	< 0.000010		< 0.00030	0.00134	0.0034
117_1172		ZUZZ-U1-1Z	- 0.010	0.0000000	0.0200	21.0	0.00200	0.002010	1.200	01.0	- 0.000010	1.710	0.1011	- 0.000010	- 0.00010	- 0.00000	0.00100	0.0011

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

			Ī							Dissolve	ed Metals					
Sample	Sample	Sample Date	lardness	Numinum		ıntimony	rsenic	arium	eryllium	ismuth	loron	admium	Calcium	Chromium	obalt	Copper
Sample Location	Sample ID	(mm/dd/yyyy)		mg/L		mg/L	- ▼ ma/l	mg/L	ma/l	mg/L	ma/l	mg/L	mg/L		ma/l	mg/L
Location	ID ID	(mm/aa/yyyy)	mg/L	IIIg/L	O	mg/∟	mg/L	mg/L	mg/L	mg/L	mg/L	IIIg/L	mg/L	mg/L	mg/L	
				Acute	Chronic							Acute				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a 0	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLMe
Fording River Operation																
FR_FR2	FR_DC2_MON_2022-08-01_N	2022-08-10	-	0.00105		0.000195	< 0.00010	0.07405	< 0.020	< 0.000050	0.0105	0.00007645	96.7	< 0.00010	< 0.10	< 0.00020
FR_FR2	FR_FR2_MON_2022-08-01_N	2022-08-10	-	-		-	-	-	-	-	-	-	-	-	-	-
FR_FR2	FR_FR2_WS_SEPT-2022_N	2022-09-06	-	< 0.0010		0.00022	< 0.00010	0.0768	< 0.020	< 0.000050	0.013	0.0000707	127	< 0.00010	< 0.10	0.00027
FR_FR2	FR_DC1_WS_SEPT-2022_N	2022-09-06	-	< 0.0010		0.00022	< 0.00010	0.075	< 0.020	< 0.000050	0.012	0.0000721	119	0.00011	< 0.10	< 0.00020
FR_FR2	FR_FLD1_WS_SEPT-2022_N	2022-09-06	-	< 0.0010		< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050		< 0.10	0.00048
FR_FR2	FR_FR2_MON_2022-09-01_N	2022-09-07	-	0.0039		0.00025	0.00012	0.083	< 0.020	< 0.000050	0.013	0.0000736	119	0.0001	< 0.10	0.00022
FR_FR2	FR_FR2_MON_2022-10-01_N	2022-10-04	-	< 0.0010	'	0.00027	< 0.00010	0.0885	< 0.020	< 0.000050	0.013	0.000105	141	< 0.00010	< 0.10	0.00032
FR_LMP1	FR_LMP1_MON_2022-01-04_N	2022-01-07	-	0.0016		0.001	0.0005	0.106	< 0.020	< 0.000050	0.019	0.00036	237	< 0.00010	0.00113	0.00057
FR_LMP1	FR_LMP1_WS_2022-01-15_NP	2022-01-15	-	0.0025		0.00108	0.00055	0.0976	< 0.020	< 0.000050	0.019	0.000341	227	< 0.00010	0.00112	0.00058
FR_LMP1	FR_LMP1_WS_2022-01-20_NP	2022-01-20	-	0.002		0.00095	0.00055	0.0953	< 0.020	< 0.000050	0.019	0.000337	228	< 0.00010	0.00087	0.00055
FR_LMP1	FR_LMP1_WS_2022-01-27_NP	2022-01-27	-	0.0089		0.00126	0.00059	0.103	< 0.020	< 0.000050	0.018	0.00035	239	< 0.00010	0.00125	0.00052
FR_LMP1	FR_LMP1_WS_2022-02-04_NP	2022-02-04	-	< 0.0010)	0.00106	0.00068	0.11	< 0.020	< 0.000050	0.018	0.000367	247	< 0.00010	0.00098	0.00062
FR_LMP1	FR_LMP1_WS_2022-02-10_NP	2022-02-10	-	0.002		0.0009	0.00058	0.107	< 0.020	< 0.000050	0.018	0.000346	248	< 0.00010	0.00072	0.00056
FR_LMP1	FR_LMP1_WS_2022-02-17_NP	2022-02-17	-	0.0037		0.00126	0.00051	0.112	< 0.020	< 0.000050	0.023	0.000303	237	< 0.00010	0.00146	0.00051
FR_LMP1	FR_LMP1_WS_2022-02-24_NP	2022-02-24	-	0.0029		0.00141	0.00056	0.1	< 0.020	< 0.000050	0.02	0.000354	236	< 0.00010	0.00167	0.00053
FR_LMP1	FR_LMP1_WS_2022-03-03_NP	2022-03-03	-	0.0019		0.00121	0.00051	0.0868	< 0.020	< 0.000050	0.018	0.000341	245	0.00011	0.00158	0.00081
FR_LMP1	FR_LMP1_WS_2022-03-09_NP	2022-03-09	-	0.0017		0.00146	0.00059	0.102	< 0.020	< 0.000050	0.02	0.000362	248	< 0.00010	0.00147	0.00063
FR_LMP1	FR_LMP1_WS_2022-03-16_NP	2022-03-16	-	0.0014		0.00104	0.00048	0.0983	< 0.020	< 0.000050	0.018	0.000324	226	< 0.00010	0.0007	0.00051
FR_LMP1	FR_LMP1_WEK_2022-03-21_N	2022-03-22	-			- 0.00040	-	-	-	- 0.000050		-		-	0 . 4 0	-
FR_LMP1	FR_FLD_WEK_2022-03-21_N	2022-03-22	-	< 0.0010		< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050		< 0.10	< 0.00020
FR_LMP1 FR_LMP1	FR_LMP1_WS_2022-03-24_NP	2022-03-24	-	0.0022 0.0026		0.00213	0.00046	0.108	< 0.020	< 0.000050	0.017	0.000248 0.000321	197	< 0.00010	0.00214	0.00041 0.00068
_	FR_LMP1_WS_2022-03-30_NP	2022-03-30	-	0.0026		0.00494	0.00081	0.352	< 0.020	< 0.000050	0.022	0.000321	203	< 0.00010	0.00473	0.00061
FR_LMP1	FR_LMP1_MON_2022-04-01_N	2022-04-01	-	0.0024		0.00547	0.00067	0.264	< 0.020	< 0.000050	0.022	0.000328	186	< 0.00010	0.00838	
FR_LMP1	FR_LMP1_WS_2022-04-05_NP	2022-04-05	-			0.00512	0.00062	0.32	< 0.020	< 0.000050	0.021		184	< 0.00010	0.00845	0.00065
FR_LMP1	FR_LMP1_WS_2022-04-12_NP	2022-04-12	-	0.0033 0.0024		0.00368 0.00086	0.00053	0.19 0.0624	< 0.020 < 0.020	< 0.000050 < 0.000050	0.02 0.013	0.000297 0.000357	219	< 0.00010	0.00316	0.00059 0.0006
FR_LMP1 FR_LMP1	FR_LMP1_WEK_2022-04-18_N	2022-04-20 2022-04-28	-	0.0024			0.00028					0.000337		< 0.00010	0.00055	0.00075
FR_LMP1	FR_LMP1_WS_2022-04-28_NP FR_LMP1_WEK_2022-04-25_N	2022-04-28	-	0.0032		0.00065	0.00022	0.0468	< 0.020	< 0.000050	0.013	- 0.000346	169	< 0.00010	0.00039	-
FR LMP1	FR_LMP1_WER_2022-04-23_N FR_LMP1_MON_2022-05-01_N	2022-04-28	-	0.0022		0.00062	0.00018	0.0365	< 0.020	< 0.000050	0.012	0.000428	158	< 0.00010	0.00053	0.00083
_		2022-05-10	-	0.0022								0.000428	1			0.00063
FR_LMP1 FR_LMP1	FR_LMP1_WS_2022-05-10_NP		-			0.00051	0.00017	0.0365	< 0.020	< 0.000050	0.011		133	< 0.00030	0.00037	0.00117
FR_LMP1	FR_LMP1_WEK_2022-05-09_N FR_LMP1_WEK_2022-05-16_N	2022-05-12 2022-05-16	H - H	-		-	-	-	-	-	-	<u>-</u> -	 -	-	-	-
FR_LMP1	FR_LMP1_WER_2022-05-16_N FR_LMP1_WS_2022-05-23_NP	2022-05-16	- -	0.0026	+	0.00044	0.00018	0.0341	< 0.020	< 0.000050	< 0.010	0.000347	142	< 0.00010	0.00019	0.00074
FR_LMP1	FR LMP1 WEK 2022-05-30 N	2022-05-23	-	0.0020	+	-	0.00016	-	- 0.020	- 0.000050	- 0.010	- 0.000347	142	~ 0.000 IU	0.00019	-
FR LMP1	FR LMP1 WS 2022-06-08 NP	2022-06-08	- -	0.0027	+	0.00045	0.00016	0.0286	< 0.020	< 0.000050	< 0.010	0.00026	104	< 0.00010	0.00013	0.0009
FR LMP1	FR LMP1 WEK 2022-06-13 N	2022-06-14	- -	- 0.0021		-	0.00016	-	- 0.020	- 0.000030	- 0.010		- 104	~ 0.000 IU	-	-
FR_LMP1	FR LMP1 WS 2022-06-13 N FR LMP1 WS 2022-06-22 NP	2022-06-14	-	0.0039	+	0.00059	0.00022	0.0363	< 0.020	< 0.000050	< 0.010	0.000388	87.8	< 0.00010	0.00046	0.0013
FR LMP1	FR LMP1 WEK 2022-06-27 N	2022-06-30		0.0039		-	-	-	- 0.020	-	- 0.010	-	-	- 0.00010	-	-
FR LMP1	FR LMP1 WS 2022-07-05 NP	2022-00-30		0.0042		0.00041	0.00015	0.0371	< 0.020	< 0.000050	< 0.010	0.00038	119	< 0.00010	0.00017	0.00112
FR LMP1	FR LMP1 WEK 2022-07-03 NF	2022-07-03	-	0.0042		-	-	-	- 0.020	- 0.000030	- 0.010	-	-	- 0.00010	-	
FR LMP1	FR_LMP1_WER_2022-07-11_N FR_LMP1_WS_2022-07-19_NP	2022-07-13		0.0015		0.00044	0.00018	0.0424	< 0.020	< 0.000050	< 0.010	0.000476	156		0.00018	0.00081
FR LMP1	FR LMP1 MON 2022-07-19 NF	2022-07-19	-	0.0013		0.00044	0.00018	0.0424	< 0.020	< 0.000050	0.011	0.000563	221	< 0.00010	0.00018	0.00074
FR LMP1	FR LMP1 WS 2022-08-17 NP	2022-08-17	-	< 0.002	1	0.00066	0.00023	0.0509	< 0.020	< 0.000050	0.011	0.000464	248	< 0.00010	0.00022	0.00074
FR LMP1	FR LMP1 WS WS SESMP 2022-08 N	2022-08-17	-	< 0.0010		0.00065	0.00023	0.0598	< 0.020	< 0.000050	0.014	0.000438	244	< 0.00010	0.0003	0.00074
FR_LMP1	FR LMP1 WS 2022-09-01 NP	2022-09-01	-	0.0016		0.0006	0.00022	0.0623	< 0.020	< 0.000050	0.012	0.000450	252	< 0.00010	0.0003	0.00071
FR LMP1	FR LMP1 WS SEPT-2022 N	2022-09-07		< 0.0010	,	0.0007	0.00020	0.0619	< 0.020	< 0.000050	< 0.012	0.000231	245	< 0.00010	0.00027	0.00072
FR LMP1	FR LMP1 WS 2022-09-13 NP	2022-09-07	 	0.0010		0.0007	0.00023	0.0019	< 0.020	< 0.000050	0.015	0.000243	305	< 0.00010	0.00027	0.00030
FR LMP1	FR LMD MON 2022-10-01 N	2022-10-13		0.0022		0.0006	0.00027	0.0722	< 0.020	< 0.000100	< 0.020	0.000544	269	< 0.00010	0.00023	0.00063
FR LMP1	FR LMD WS 2022-10-01 NP	2022-10-15		< 0.0010	,	0.00067	0.00027	0.0577	< 0.020	< 0.000100	0.020	0.000399	332	< 0.00020	0.00025	0.00058
FR LP1	FR LP1 WS 2022-05-22 N	2022-11-13		0.0022		0.0006	0.00027	0.0662	< 0.020	< 0.000050	0.014	0.00008	93.6	< 0.00010	0.00025	0.00065
			1 1	0.0022		3.0000	0.00022	0.0002	0.020	0.00000	0.010	1 0.0000		0.00010	0.00020	0.00000

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

											Dissolv	ed Metals							
Sample	Sample	Sample Date	Hardness	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Ë	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Acute															
BC WQG FWAL			n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Fording River Operation FR FR2	FR DC2 MON 2022-08-01 N	2022-08-10		0.012	< 0.000050	0.05105	51.3	0.00829	0.005305	1.95	52.4	< 0.000010	2.67	0.148	< 0.000010	< 0.00010	< 0.00030	0.002865	0.0035
FR_FR2	FR_DC2_MON_2022-00-01_N FR_FR2_MON_2022-08-01_N	2022-08-10	-	0.012	- 0.000050	-	-	0.00629	-	1.95	52.4	- 0.000010	-	- 0.146	- 0.000010	- 0.00010	- 0.00030	-	0.0035
FR FR2	FR FR2 WS SEPT-2022 N	2022-09-06	_	0.014	< 0.000050	0.0588	55.6	0.00848	0.00697	1.84	77.2	< 0.000010	2.42	0.181	< 0.000010	< 0.00010	< 0.00030	0.00302	0.0034
FR FR2	FR DC1 WS SEPT-2022 N	2022-09-06	-	0.014	< 0.000050	0.0566	57.5	0.00812	0.00701	1.85	81.7	< 0.000010	2.66	0.171	< 0.000010	< 0.00010	< 0.00030	0.00327	0.0032
FR_FR2	FR_FLD1_WS_SEPT-2022_N	2022-09-06	-	< 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.000010	< 0.0010
FR_FR2	FR_FR2_MON_2022-09-01_N	2022-09-07	-	0.015	< 0.000050	0.0655	57.9	0.00856	0.00651	2.03	78	< 0.000010	2.65	0.159	< 0.000010	< 0.00010	< 0.00030	0.00344	0.0032
FR_FR2	FR_FR2_MON_2022-10-01_N	2022-10-04	-	0.018	< 0.000050	0.0926	61.6	0.00969	0.00766	2.47	82.2	< 0.000010	3.51	0.212	< 0.000010	< 0.00010	< 0.00030	0.00451	0.0039
FR_LMP1 FR_LMP1	FR_LMP1_MON_2022-01-04_N FR_LMP1_WS_2022-01-15_NP	2022-01-07 2022-01-15	-	0.01 0.017	< 0.000050 < 0.000050	0.0381 0.0357	109 108	0.0148 0.0188	0.0237 0.0231	4.62 4.36	216 233	< 0.000010 < 0.000010	1.49 1.41	0.216 0.206	0.000059 0.000054	< 0.00010 0.00014	< 0.00030 < 0.00030	0.00595 0.00582	0.0156 0.0198
FR_LIMP1	FR_LMP1_WS_2022-01-15_NP FR_LMP1_WS_2022-01-20_NP	2022-01-15	-	0.017	< 0.000050	0.0357	106	0.0166	0.0231	4.36	233	< 0.000010	1.41	0.206	0.000054	< 0.00014	< 0.00030	0.00582	0.0198
FR LMP1	FR LMP1 WS 2022-01-27 NP	2022-01-20	-	0.014	< 0.000050	0.0359	104	0.0161	0.0227	4.43	228	< 0.000010	1.47	0.21	0.000054	< 0.00010	< 0.00030	0.00567	0.0145
FR LMP1	FR LMP1 WS 2022-01-04 NP	2022-01-27	-	0.013	< 0.000050	0.037	116	0.0127	0.0247	4.68	262	< 0.000010	1.38	0.216	0.000058	< 0.00010	< 0.00030	0.00589	0.0166
FR LMP1	FR LMP1 WS 2022-02-10 NP	2022-02-10	-	0.016	< 0.000050	0.0368	114	0.011	0.0223	4.5	250	< 0.000010	1.32	0.228	0.000053	< 0.00010	< 0.00030	0.00603	0.0164
FR_LMP1	FR_LMP1_WS_2022-02-17_NP	2022-02-17	-	0.01	< 0.000050	0.0431	105	0.0166	0.0231	5.83	205	< 0.000010	1.4	0.297	0.000073	< 0.00010	< 0.00030	0.00556	0.015
FR_LMP1	FR_LMP1_WS_2022-02-24_NP	2022-02-24		0.011	< 0.000050	0.0375	111	0.0155	0.0269	5.23	219	< 0.000010	1.47	0.253	0.000074	< 0.00010	< 0.00030	0.00604	0.0155
FR_LMP1	FR_LMP1_WS_2022-03-03_NP	2022-03-03	-	0.012	< 0.000050	0.0362	123	0.0144	0.0253	5.2	242	< 0.000010	1.42	0.228	0.000063	< 0.00010	< 0.00030	0.00616	0.0148
FR_LMP1	FR_LMP1_WS_2022-03-09_NP	2022-03-09	-	0.014	< 0.000050	0.0389	110	0.0186	0.028	5.23	247	< 0.000010	1.74	0.243	0.000067	< 0.00010	< 0.00030	0.00657	0.0149
FR_LMP1	FR_LMP1_WS_2022-03-16_NP	2022-03-16	-	0.014	< 0.000050	0.0336	96.4	0.0107	0.0216	4.35	234	< 0.000010	1.28	0.226	0.000054	< 0.00010	< 0.00030	0.00617	0.0137
FR_LMP1 FR_LMP1	FR_LMP1_WEK_2022-03-21_N FR_FLD_WEK_2022-03-21_N	2022-03-22	-	< 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.000010	< 0.0010
FR LMP1	FR LMP1 WS 2022-03-24 NP	2022-03-24	_	< 0.010	< 0.000050	0.0416	88.8	0.0144	0.0279	5.14	189	< 0.000010	1.27	0.226	0.000059	0.00010	< 0.00030	0.00524	0.0117
FR LMP1	FR LMP1 WS 2022-03-30 NP	2022-03-30	-	< 0.010	< 0.000050	0.0482	97.1	0.0239	0.0391	6.2	195	< 0.000010	1.6	0.438	0.000072	< 0.00011	< 0.00030	0.00569	0.014
FR LMP1	FR LMP1 MON 2022-04-01 N	2022-04-01	-	< 0.010	< 0.000050	0.0554	86.2	0.0286	0.0577	5.87	154	< 0.000010	1.79	0.624	0.000077	< 0.00010	< 0.00030	0.0054	0.0127
FR_LMP1	FR_LMP1_WS_2022-04-05_NP	2022-04-05	-	< 0.010	< 0.000050	0.058	87.5	0.0281	0.0569	5.94	155	< 0.000010	1.81	0.634	0.000079	< 0.00010	< 0.00030	0.0048	0.0124
FR_LMP1	FR_LMP1_WS_2022-04-12_NP	2022-04-12	-	< 0.010	< 0.000050	0.0485	91.7	0.0147	0.0318	5.46	197	< 0.000010	1.57	0.456	0.000052	< 0.00010	< 0.00030	0.00529	0.0144
FR_LMP1	FR_LMP1_WEK_2022-04-18_N	2022-04-20	-	< 0.010	< 0.000050	0.0241	109	0.00396	0.0206	3.74	234	< 0.000010	1.27	0.188	0.000032	< 0.00010	< 0.00030	0.00565	0.0156
FR_LMP1	FR_LMP1_WS_2022-04-28_NP	2022-04-28	-	< 0.010	< 0.000050	0.0181	79.2	0.00362	0.0174	3.37	193	< 0.000010	0.971	0.134	0.000031	< 0.00010	< 0.00030	0.00448	0.0194
FR_LMP1 FR_LMP1	FR_LMP1_WEK_2022-04-25_N FR_LMP1_MON_2022-05-01_N	2022-04-28 2022-05-05	-	< 0.010	< 0.000050	0.0162	- 75.4	0.00322	0.0219	2.97	160	< 0.000010	0.802	- 0.118	0.00003	< 0.00010	< 0.00030	0.00382	0.0231
FR LMP1	FR LMP1 WS 2022-05-10 NP	2022-05-05	-	< 0.010	< 0.000050	0.0132	67	0.00322	0.0219	2.86	141	< 0.000010	0.802	0.116	0.00003	< 0.00010	< 0.00030	0.00362	0.0231
FR LMP1	FR LMP1 WEK 2022-05-09 N	2022-05-10	-	-	-	-	-	-	-	-	-	- 0.000010	-	-	-	-	-	-	-
FR LMP1	FR LMP1 WEK 2022-05-16 N	2022-05-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_LMP1	FR_LMP1_WS_2022-05-23_NP	2022-05-23	-	< 0.010	< 0.000050	0.013	65.5	0.00179	0.0146	2.61	151	< 0.000010	0.756	0.107	0.000023	< 0.00010	< 0.00030	0.0033	0.0184
FR_LMP1	FR_LMP1_WEK_2022-05-30_N	2022-06-01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_LMP1	FR_LMP1_WS_2022-06-08_NP	2022-06-08	-	< 0.010	< 0.000050	0.0099	43.7	0.0016	0.0108	1.98	90.3	< 0.000010	0.544	0.0784	0.000022	< 0.00010	< 0.00030	0.00221	0.0168
FR_LMP1	FR_LMP1_WEK_2022-06-13_N	2022-06-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_LMP1	FR_LMP1_WS_2022-06-22_NP	2022-06-22	-	< 0.010	< 0.000050	0.0106	42.2	0.00236	0.0201	2.14	85	< 0.000010	0.635	0.0778	0.000023	< 0.00010	< 0.00030	0.00206	0.0214
FR_LMP1 FR_LMP1	FR_LMP1_WEK_2022-06-27_N FR_LMP1_WS_2022-07-05_NP	2022-06-30 2022-07-05	-	< 0.010	< 0.000050	0.0101	57.7	0.00316	0.0162	2.27	117	< 0.000010	0.656	0.0912	0.000024	< 0.00010	< 0.00030	0.00256	0.0218
FR LMP1	FR LMP1 WEK 2022-07-03 NF	2022-07-03		- 0.010	- 0.000030	-	-	-	-	-	- 117	- 0.000010	-	0.0912	-	- 0.00010	- 0.00030	-	-
FR_LMP1	FR_LMP1_WS_2022-07-19_NP	2022-07-19	-	< 0.010	< 0.000050	0.0123	67.6	0.00337	0.0211	2.42	177	< 0.000010	0.738	0.122	0.000026	< 0.00010	< 0.00030	0.00375	0.0251
FR_LMP1	FR_LMP1_MON_2022-08-01_N	2022-08-04	-	< 0.010	< 0.000050	0.0176	107	0.00286	0.0301	3.46	286	< 0.000010	1.05	0.175	0.000035	< 0.00010	< 0.00030	0.00562	0.0318
FR_LMP1	FR_LMP1_WS_2022-08-17_NP	2022-08-17	-	< 0.010	< 0.000050	0.0212	121	0.00298	0.039	3.45	332	< 0.000010	1.11	0.183	0.000039	< 0.00010	< 0.00030	0.00702	0.0264
FR_LMP1	FR_LMP1_WS_WS_SESMP_2022-08_N	2022-08-22	-	< 0.010	< 0.000050	0.0181	120	0.0032	0.0386	3.58	361	< 0.000010	1.16	0.184	0.000038	< 0.00010	< 0.00030	0.00709	0.0255
FR_LMP1	FR_LMP1_WS_2022-09-01_NP	2022-09-01	-	< 0.010	< 0.000050	0.02	131	0.00265	0.0424	3.61	344	< 0.000010	1.18	0.193	0.000036	< 0.00010	< 0.00030	0.00663	0.0149
FR_LMP1	FR_LMP1_WS_SEPT-2022_N	2022-09-07	-	< 0.010	< 0.000050	0.0181	123	0.00289	0.035	3.65	313	< 0.000010	1.18	0.202	0.000023	< 0.00010	< 0.00030	0.00755	0.0118
FR_LMP1 FR_LMP1	FR_LMP1_WS_2022-09-13_NP FR_LMD_MON_2022-10-01_N	2022-09-13 2022-10-13	-	< 0.010 < 0.020	< 0.000050 < 0.000100	0.0222 0.0211	140 132	0.00454 0.00417	0.0391 0.0415	3.86 3.57	374 348	< 0.000010 < 0.000020	1.29 1.14	0.216 0.194	0.000043 0.000035	< 0.00010 < 0.00020	< 0.00030 < 0.00060	0.008 0.00827	0.0233 0.0319
FR_LIVIP1	FR LMD WS 2022-11-15 NP	2022-10-13	-	< 0.020	< 0.000100	0.0211	155	0.00417	0.0415	3.88	349	< 0.000020	1.14	0.194	0.000035	< 0.00020	< 0.00030	0.00827	0.0319
FR LP1	FR LP1 WS 2022-05-22 N	2022-11-13	-	< 0.010	< 0.000050	0.0222	65	0.00435	0.00274	2.61	58	< 0.000010	1.88	0.101	0.00004	< 0.00010	< 0.00030	0.002	0.0203
_=: :												,							

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals					
Sample	Sample	Sample Date	Hardness	Aluminum		Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper
Location	ID	(mm/dd/yyyy)	mg/L	mg/	′L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Acute	Chronic							Acute				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Fording River Operation																
FR_LP1	FR_LP1_WS_2022-05-23_N	2022-05-23	-	0.00	22	0.00057	0.00025	0.0649	< 0.020	< 0.000050	0.017	0.0000861	91.3	< 0.00010	0.00025	0.0006
FR_LP1	FR_LP1_WS_2022-05-24_N	2022-05-24	-	0.00	28	0.00055	0.00023	0.069	< 0.020	< 0.000050	0.019	0.0000786	94.6	< 0.00010	0.00025	0.00062
FR LP1	FR LP1 WS 2022-05-25 N	2022-05-25	-	0.00	45	0.00057	0.00021	0.0662	< 0.020	< 0.000050	0.017	0.0000784	91.9	< 0.00010	0.00022	0.00056
FR LP1	FR LP1 WS 2022-05-26 N	2022-05-26	-	0.00	25	0.00054	0.00022	0.069	< 0.020	< 0.000050	0.017	0.00074	87.3	< 0.00010	0.00018	0.00058
FR LP1	FR LP1 WS 2022-05-27 N	2022-05-27	 	0.00		0.00052	0.00021	0.0922	< 0.020	< 0.000050	0.016	0.00007	86.7	< 0.00010	0.00016	0.00054
FR LP1	FR LP1 WS 2022-05-28 N	2022-05-28	T -	0.00		0.00049	0.00021	0.0738	< 0.020	< 0.000050	0.016	0.0000704	85	< 0.00010	0.00013	0.00057
FR LP1	FR LP1 WS 2022-05-29 N	2022-05-29	H	0.00		0.00048	0.00022	0.0698	< 0.020	< 0.000050	0.017	0.0000704	80.7	< 0.00010	0.00013	0.00086
FR LP1	FR LP1 WS 2022-05-29 N	2022-05-30	 -	0.00		0.00048	0.00023	0.0096	< 0.020	< 0.000050	0.017	0.000097	80.4	< 0.00010	0.00014	0.00056
FR_LP1	FR_LP1_WS_2022-05-30_N FR_LP1_WS_2022-06-07_NP	2022-05-30		0.00		0.00049	0.0002		< 0.020	< 0.000050	0.017	0.000071	84.8	< 0.00010	0.00013	0.00058
			-					0.068			1					
FR_LP1	FR_LP1_WS_2022-06-08_NP	2022-06-08	-	0.00		0.00062	0.00019	0.0567	< 0.020	< 0.000050	0.018	0.0000767	94	< 0.00010	0.00021	0.00062
FR_LP1	FR_LP1_MON_2022-06-01_NP	2022-06-09	-	0.00		0.00052	0.0002	0.0707	< 0.020	< 0.000050	0.018	0.0000775	91	< 0.00010	0.00012	0.00058
FR_LP1	FR_LP1_WS_2022-06-10_NP	2022-06-10	-	0.00		0.00045	0.00018	0.0718	< 0.020	< 0.000050	0.015	0.0000752	82.1	< 0.00010	0.00019	0.00066
FR_LP1	FR_LP1_WS_2022-06-11_NP	2022-06-11	-	0.00		0.00042	0.00018	0.077	< 0.020	< 0.000050	0.014	0.0000738	76.1	< 0.00010	0.00014	0.0006
FR_LP1	FR_LP1_WS_2022-06-12_NP	2022-06-12	-	0.00	17	0.00054	0.00018	0.07	< 0.020	< 0.000050	0.015	0.0000519	78.3	< 0.00010	0.00012	0.00056
FR_LP1	FR_LP1_MON_2022-06-13_NP	2022-06-13	-	0.00)2	0.00049	0.00021	0.0778	< 0.020	< 0.000050	0.016	0.0000634	81.7	< 0.00010	0.00021	0.00099
FR_LP1	FR_LP1_WS_2022-06-20_NP	2022-06-20	-	0.00	27	0.00041	0.0002	0.0703	< 0.020	< 0.000050	0.02	0.0000886	71.2	< 0.00010	0.00051	0.00297
FR LP1	FR LP1 WS 2022-06-28 NP	2022-06-28	-	0.00	12	0.00043	0.0002	0.0611	< 0.020	< 0.000050	0.023	0.0000357	79.2	< 0.00010	0.00012	0.00204
FR LP1	FR LP1 WS 2022-07-05 NP	2022-07-05	-	0.00	33	0.00049	0.0002	0.0614	< 0.020	< 0.000050	0.021	0.0000576	88.1	< 0.00010	0.00023	0.0015
FR LP1	FR LP1 WS 2022-07-12 N	2022-07-12	-	0.00		0.00053	0.00022	0.0644	< 0.020	< 0.000050	0.025	0.0000724	99	< 0.00010	< 0.10	0.00172
FR LP1	FR LP1 WEK 2022-07-11 N	2022-07-12	<u> </u>	-		-	-	-	-	-	-	-	-	-	-	-
FR LP1	FR LP1 WS 2022-07-11 N	2022-07-12	<u> </u>	0.01		0.00104	0.00087	0.0588	< 0.020	< 0.000050	0.028	0.0000181	112	0.00014	0.00025	0.00103
FR LP1	FR_LF1_W3_2022-06-16_N FR_LP1_WS_2022-08-24_N	2022-08-24	-	0.00		0.0008	0.00087	0.056	< 0.020	< 0.000050	0.028	0.0000181	123	< 0.00014	0.00023	0.00103
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FR_LP1	FR_LP1_WS_2022-09-01_N	2022-09-01	-	0.00		0.00065	0.00032	0.0506	< 0.020	< 0.000050	0.028	< 0.0050	122	< 0.00010	< 0.10	0.00053
FR_LP1	FR_LP1_WS_2022-09-05_N	2022-09-05	-	0.00		0.00072	0.00039	0.0543	< 0.020	< 0.000050	0.03	< 0.0050	134	< 0.00010	0.00011	0.00058
FR_LP1	FR_LP1_WS_SEPT-2022_N	2022-09-06	-	0.00		0.00069	0.00034	0.0518	< 0.020	< 0.000050	0.03	< 0.0050	131	< 0.00010	0.00011	0.00059
FR_LP1	FR_LP1_MON_2022-10-01_N	2022-10-12	-	0.00		0.0007	0.00034	0.0462	< 0.020	< 0.000050	0.027	0.0000052	142	< 0.00010	0.00014	0.0005
FR_LP1	FR_LP1_MON_2022-11-01_N	2022-11-03	-	0.00	26	0.00066	0.00036	0.0445	< 0.020	< 0.000050	0.029	0.0000292	145	< 0.00010	0.00018	0.00048
FR_PP1	FR_PP1_MON_2022-01-04_N	2022-01-07	-	0.00	35	0.00064	0.00027	0.0621	< 0.040	< 0.000100	< 0.020	0.000986	342	< 0.00020	0.00038	0.0012
FR_PP1	FR_PP1_MON_2022-02-01_N	2022-02-06	-	0.00	25	0.00063	0.00026	0.0637	< 0.040	< 0.000100	< 0.020	0.000907	402	< 0.00020	0.00032	0.00111
FR PP1	FR PP1 WS MON 2022-03-01 N	2022-03-08	-	0.00	31	0.00067	0.00031	0.0644	< 0.040	< 0.000100	< 0.020	0.000891	388	< 0.00020	0.00033	0.00113
FR PP1	FR PP1 WEK 2022-03-14 N	2022-03-14	-	-		-	-	-	-	-	-	-	337	-	-	-
FR PP1	FR PP1 WEK 2022-03-21 N	2022-03-21	-	-		_	-	-	_	_	-	-	-	-	_	-
FR PP1	FR DC WEK 2022-03-28 N	2022-03-28		-		_	_	_	_	_	_	-	-	_	_	-
FR PP1	FR PP1 MON 2022-04-01 N	2022-04-04	-	0.01		0.00066	0.00027	0.0477	< 0.020	< 0.000050	0.01	0.000988	166	< 0.00010	0.00182	0.00184
FR PP1	FR PP1 WEK 2022-04-11 N	2022-04-11		-		-	-	-	- 0.020		-	-	-		-	-
FR PP1	FR DC2 WEK 2022-04-11 N	2022-04-11	-	-		-		-	-	-		-	-	-	-	-
FR PP1	FR_DC2_WEK_2022-04-16_N FR_PP1_WEK_2022-04-25_N	2022-04-19		-		-	-	- -	-	- -	<u> </u>	-	+	- -		
			_	- 0.04	10	0.00074	0.00000	0.0400	- 0.000	- 0.000050	0.044	0.00463	400	- 0.00040	0.00425	0.00100
FR_PP1	FR_PP1_MON_2022-05-01_N	2022-05-05	-	0.01		0.00071	0.00022	0.0406	< 0.020	< 0.000050	0.014	0.00163	182			0.00188
FR_PP1	FR_PP1_WEK_2022-05-09_N	2022-05-11	-	-		-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_WEK_2022-05-16_N	2022-05-18	_	-		-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_DC2_WEK_2022-05-23_N	2022-05-23	-	-		-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_WEK_2022-05-30_N	2022-06-01	-	•		-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_DC2_MON_2022-06-01_N	2022-06-07	-	0.01	07	0.000645	0.00025	0.0583	< 0.020	< 0.000050	0.011	0.00124	254.5	< 0.00010	0.001005	0.00202
FR_PP1	FR_DC2_WEK_2022-06-13_N	2022-06-15	-	•		-	-	-	-	-	-	-	-	-	-	
FR_PP1	FR_PP1_WEK_2022-06-20_N	2022-06-20	-	•		-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_WEK_2022-06-27_N	2022-06-28	-	-		-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_DC2_MON_2022-07-01_N	2022-07-04	5.7	0.004	165	0.00058	0.000235	0.05575	< 0.020	< 0.000050	0.0145	0.00127	281	< 0.00010	0.00102	0.00179
FR PP1	FR PP1 WEK 2022-07-11 N	2022-07-12	-	-		-	-	-	-	-	-	-	-	-	-	-
FR PP1	FR DC1 MON 2022-08-01 N	2022-08-02		0.003		0.000645	0.000275	0.05785	< 0.040	< 0.000100	< 0.020	0.0009595	361	< 0.00020	0.00054	0.001115
FR PP1	FR PP1 WS SEPT-2022 N	2022-09-07		0.00		0.00068	0.000273	0.0603	< 0.020	< 0.000100	0.016	0.000611	442			0.001
	110_111_115_OL1 1-2022_14	2022-00-01		0.00		0.00000	0.00000	0.0000	10.020	. 0.000000	0.010	0.000011	772	. 0.00010	0.00002	. 0.001

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals							
Sample	Sample	Sample Date H	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Fording River Operation	ED 1 D1 W0 0000 05 00 N	1 0000 05 00	0.040		0.0004	04.0	0.0047	0.00005	0.57	20.4	1 . 0 000010	4.07	0.0005				0.000	0.0110
FR_LP1	FR_LP1_WS_2022-05-23_N		< 0.010	< 0.000050	0.0231	64.6	0.0047	0.00265	2.57	60.1	< 0.000010	1.87	0.0995	0.000013	< 0.00010	< 0.00030	0.002	0.0113
FR_LP1 FR_LP1	FR_LP1_WS_2022-05-24_N		< 0.010 < 0.010	< 0.000050 < 0.000050	0.027 0.0238	62.5 64.3	0.00332	0.00262 0.00279	2.59 2.49	61.5 57.3	< 0.000010 < 0.000010	1.95	0.107 0.103	0.000014 0.000012	< 0.00010 < 0.00010	< 0.00030	0.00207 0.00183	0.01
FR_LP1	FR_LP1_WS_2022-05-25_N FR_LP1_WS_2022-05-26_N		< 0.010	< 0.000050	0.0236	63.6	0.0018 0.00127	0.00279	2.49	57.3	< 0.000010	1.82 1.84	0.103	0.000012	< 0.00010	< 0.00030 < 0.00030	0.00183	0.0089 0.0087
FR LP1	FR LP1 WS 2022-05-20 N		< 0.010	< 0.000050	0.0222	58.2	0.00127	0.00236	2.40	56.3	< 0.000010	1.73	0.099	0.000012	< 0.00010	< 0.00030	0.00187	0.0087
FR LP1	FR LP1 WS 2022-05-28 N		< 0.010	< 0.000050	0.0223	56	0.00098	0.00220	2.38	52.7	< 0.000010	1.66	0.097	0.00001	< 0.00010	< 0.00030	0.00178	0.0076
FR LP1	FR LP1 WS 2022-05-29 N		0.038	< 0.000050	0.0227	58.2	0.00282	0.00222	2.36	59	< 0.000010	1.76	0.0917	0.000011	< 0.00010	< 0.00030	0.00168	0.0084
FR LP1	FR LP1 WS 2022-05-30 N		< 0.010	< 0.000050	0.0225	57.6	0.00099	0.00237	2.37	56.5	< 0.000010	1.77	0.0917	0.00001	< 0.00010	< 0.00030	0.00167	0.0089
FR LP1	FR LP1 WS 2022-06-07 NP		< 0.010	< 0.000050	0.0224	60.2	0.00164	0.00423	2.34	51.4	< 0.000010	1.78	0.0989	0.000014	< 0.00010	< 0.00030	0.0019	0.011
FR_LP1	FR_LP1_WS_2022-06-08_NP	2022-06-08 - <	< 0.010	< 0.000050	0.0269	67.6	0.00114	0.00445	2.73	69	< 0.000010	2.06	0.104	0.000016	< 0.00010	< 0.00030	0.00204	0.0165
FR_LP1	FR_LP1_MON_2022-06-01_NP	2022-06-09 - <	< 0.010	< 0.000050	0.0282	70.3	0.00147	0.0025	2.75	59.7	< 0.000010	2.2	0.105	0.000015	< 0.00010	< 0.00030	0.00196	0.0098
FR_LP1	FR_LP1_WS_2022-06-10_NP	2022-06-10 - <	< 0.010	< 0.000050	0.0221	58.1	0.00203	0.00216	2.34	51.2	< 0.000010	1.72	0.0902	0.000012	< 0.00010	< 0.00030	0.00154	0.013
FR_LP1	FR_LP1_WS_2022-06-11_NP		< 0.010	< 0.000050	0.0208	58.9	0.00193	0.00212	2.36	50.7	< 0.000010	1.73	0.0843	0.000012	< 0.00010	< 0.00030	0.00148	0.0074
FR_LP1	FR_LP1_WS_2022-06-12_NP		< 0.010	< 0.000050	0.0208	55.4	0.00078	0.00257	2.29	51.2	< 0.000010	1.66	0.0872	0.000012	< 0.00010	< 0.00030	0.00154	0.0049
FR_LP1	FR_LP1_MON_2022-06-13_NP		< 0.010	< 0.000050	0.0217	55.8	0.00144	0.00219	2.37	52.9	< 0.000010	1.66	0.0916	0.000012	< 0.00010	< 0.00030	0.00156	0.0068
FR_LP1	FR_LP1_WS_2022-06-20_NP		< 0.010	< 0.000050	0.0174	49.6	0.0144	0.00266	2.26	38.4	< 0.000010	1.48	0.0797	0.000015	< 0.00010	< 0.00030	0.00144	0.0172
FR_LP1	FR_LP1_WS_2022-06-28_NP		< 0.010	< 0.000050	0.0218	57.8	0.00081	0.00208	2.6	46.5	< 0.000010	1.71	0.0871	0.000015	< 0.00010	< 0.00030	0.00157	0.0131
FR_LP1	FR_LP1_WS_2022-07-05_NP		0.013	< 0.000050	0.0242	64.3	0.00211	0.00292	2.8	49	< 0.000010	1.9	0.0997	0.000017	< 0.00010	< 0.00030	0.0019	0.0131
FR_LP1	FR_LP1_WS_2022-07-12_N		< 0.010	< 0.000050	0.029	71	0.0009	0.00301	2.82	54.4	< 0.000010	2.15	0.109	0.000019	< 0.00010	< 0.00030	0.00205	0.0209
FR_LP1 FR_LP1	FR_LP1_WEK_2022-07-11_N	2022-07-12 -	< 0.010	< 0.000050	0.0373	97.2	0.00383	0.0041	4.44	74.8	< 0.000010	3.08	0.149	0.00038	< 0.00010	< 0.00030	0.00336	0.0237
FR LP1	FR_LP1_WS_2022-08-18_N FR_LP1_WS_2022-08-24_N		< 0.010	< 0.000050	0.0373	108	0.00363	0.0041	3.6	84	< 0.000010	3.05	0.149	0.000038	< 0.00010	< 0.00030	0.00336	0.0237
FR LP1	FR_LF1_W3_2022-00-24_N FR_LP1_WS_2022-09-01_N		< 0.010	< 0.000050	0.0434	104	0.00077	0.00472	3.23	77.6	< 0.000010	2.88	0.144	0.000032	< 0.00010	< 0.00030	0.00302	0.0048
FR LP1	FR LP1 WS 2022-09-05 N		< 0.010	< 0.000050	0.0374	113	0.00042	0.0034	3.7	85	< 0.000010	3.48	0.132	0.000024	< 0.00010	< 0.00030	0.00233	0.0048
FR LP1	FR LP1 WS SEPT-2022 N		< 0.010	< 0.000050	0.0439	108	0.00034	0.00347	3.36	87	< 0.000010	3.18	0.153	0.000032	< 0.00010	< 0.00030	0.00265	0.0043
FR LP1	FR LP1 MON 2022-10-01 N		< 0.010	< 0.000050	0.0426	129	0.00045	0.00364	3.69	95.5	< 0.000010	3.47	0.151	0.000021	< 0.00010	< 0.00030	0.0035	0.0042
FR LP1	FR LP1 MON 2022-11-01 N		< 0.010	< 0.000050	0.0461	125	0.00128	0.00549	3.72	121	< 0.000010	3.69	0.162	0.00002	< 0.00010	< 0.00030	0.00347	0.0101
FR PP1	FR PP1 MON 2022-01-04 N		< 0.020	< 0.000100	0.0182	134	0.0132	0.0594	4.12	244	< 0.000020	1.43	0.241	0.000057	< 0.00020	< 0.00060	0.00991	0.0481
FR PP1	FR PP1 MON 2022-02-01 N		< 0.020	< 0.000100	0.0194	152	0.0157	0.0537	4	289	< 0.000020	1.44	0.276	0.000057	< 0.00020	< 0.00060	0.00983	0.0438
FR PP1	FR PP1 WS MON 2022-03-01 N	2022-03-08 - <	< 0.020	< 0.000100	0.019	145	0.0153	0.0522	4.11	283	< 0.000020	1.56	0.268	0.000063	< 0.00020	< 0.00060	0.0116	0.0555
FR_PP1	FR_PP1_WEK_2022-03-14_N	2022-03-14 -	-	-	-	147	-	-	3.89	-	-	1.55	-	-	-	-	-	-
FR_PP1	FR_PP1_WEK_2022-03-21_N	2022-03-21 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	=	-
FR_PP1	FR_DC_WEK_2022-03-28_N	2022-03-28 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_MON_2022-04-01_N		0.028	< 0.000050	0.0119	62.6	0.0269	0.0467	2.54	124	< 0.000010	0.954	0.13	0.000043	< 0.00010	0.00034	0.00394	0.0567
FR_PP1	FR_PP1_WEK_2022-04-11_N	2022-04-11 -	-	-	-	-	-	-	-	-	 -	-	-	-	-	-	-	
FR_PP1	FR_DC2_WEK_2022-04-18_N	2022-04-19 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FR_PP1	FR_PP1_WEK_2022-04-25_N	2022-04-28 -	- 0.040	-	-	- 70.0	-	-	-	- 450	-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_MON_2022-05-01_N		0.018	< 0.000050	0.0152	70.2	0.0781	0.0717	2.88	150	< 0.000010	0.916	0.131	0.000048	< 0.00010	< 0.00030	0.00431	0.0787
FR_PP1	FR_PP1_WEK_2022-05-09_N	2022-05-11 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_WEK_2022-05-16_N FR_DC2_WEK_2022-05-23_N	2022-05-18 - 2022-05-23 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR PP1	FR_DC2_WEK_2022-05-23_N FR_PP1_WEK_2022-05-30_N	2022-05-23 -		-	<u> </u>	-	_	-	-	-	 	-	-	-	-	-	-	-
FR PP1	FR DC2 MON 2022-06-01 N	2022-06-07 -	0.02	< 0.000050	0.01995	98.9	0.0315	0.0659	3.395	240	< 0.000010	1.21	0.194	0.00005	< 0.00010	< 0.00030	0.006945	0.065
FR PP1	FR DC2 WEK 2022-06-13 N	2022-06-15 -	-	- 0.000030	-	-	-	- 0.0039	-	-	- 0.000010	-	0.194	- 0.00003	- 0.00010	- 0.00030	-	-
FR PP1	FR PP1 WEK 2022-06-20 N	2022-06-20 -	-	-	_	_	_	_	_	-	_	_	_	_	-	_	-	-
FR PP1	FR PP1 WEK 2022-06-27 N	2022-06-28 -	-	-	_	_	_	-	_	_	-	_	_	_	_	_	_	_
FR PP1	FR DC2 MON 2022-07-01 N		0.0135	< 0.000050	0.0233	113.5	0.0303	0.06815	3.745	281.5	< 0.000010	1.375	0.196	0.0000535	< 0.00010	< 0.00030	0.00828	0.0633
FR_PP1	FR_PP1_WEK_2022-07-11_N	2022-07-12 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_DC1_MON_2022-08-01_N		< 0.020	< 0.000100	0.0276	148.5	0.013	0.06935	4.535	347.5	0.000326	1.495	0.255	0.000065	< 0.00020	< 0.00060	0.01095	0.05685
FR_PP1	FR_PP1_WS_SEPT-2022_N	2022-09-07 - <	< 0.010	< 0.000050	0.0368	186	0.00788	0.0705	4.77	522	< 0.000010	1.72	0.295	0.000067	< 0.00010	< 0.00030	0.0129	0.038
											•		•		•			

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

BC WGD FWAL Part P											Dissolve	ed Metals						
CWG PWAL PR PPT PVT	Sample	-	Sample Date	Hardness	Aluminim		Antimony	Arsenic	Barium	Φ	Bismuth	Boron			Calcium	Chromium	Cobalt	ပ
CHING PARTER Fig.	Location	ID	(mm/dd/yyyy)	mg/L	mg	/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L
Forting Pick Operation Pick Pic					Acute	Chronic					-	_	Acute	Chronic		-		Acute Chronic
FR PP FR PP MON 2022-0-128 MP 2022-0-264 - 0.00000 0.00000 0.00000 - 0.000000 - 0.000000 - 0.000000 - 0.000000 - 0.0000000 - 0.000000 - 0.000000 - 0				n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a	0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
FR PR PR PR PR PR DAG 2021 10																		
FFR SCOUT FFR	FR_PP1	FR_PP1_MON_2022-10-25_NP	2022-10-24	-	< 0.0	020	0.00051	0.00027	0.0564	< 0.040	< 0.000100	< 0.020	0.00099	8	364	< 0.00020	0.00046	0.00091
FFR SCOUT FFR SCOUT NW, 2002-0-14 MOD 2002-0-10 C0078 C007	FR_PP1	FR_PP1_MON_2022-11-01_N	2022-11-02	-	< 0.0	020	0.00061	0.00027	0.0555	< 0.040	< 0.000100	< 0.020	0.00068	1	414	< 0.00020	0.00038	0.00098
FR SCOUT	FR SCOUT	FR SCOUT WS 2022-1-06 N 0900	2022-01-06	-	0.00)29	0.00066	0.00021	0.0272	< 0.040	< 0.000100	< 0.020	0.00033	9	348	< 0.00020	0.00029	0.00065
FF SCOUT FR SCOUT WE				-														0.00069
PR SCOUL PR SCOUL WE 2022FE N 2022-0-16 - 0.0009 0.00091 0.00091 0.00091 0.00091 189 0.00092 0.00091 189 0.00092 0.00091 189 0.00092 0.00091 189 0.00092 0.00093 189 0.00093				1														
FR SCOUT				<u> </u>														
FR SCOUT				-	₹ 0.0	010	1	< 0.00010	0.0656	1	< 0.000030		0.00011	3		0.00012		0.0003
FR SCOUT				-					-				-		390	-		-
FR SCOUT FR SCOUT SERVICE FR SCOUT SERVICE FR SCOUT SERVICE FR SCOUT FR SCOUT FR SCOUT SERVICE FR SCOUT FR SCOUT SERVICE FR SCOUT FR SCOUT SERVICE FR SCOUT SERVICE FR SCOUT SERVICE FR SCOUT FR SCOUT SERVICE FR				<u> </u>														< 0.00100
FR SCOUT				-	< 0.0	060	0.00051	< 0.00020	0.0266	< 0.000040	< 0.000100	< 0.020	0.0003	3	325.5	< 0.00020	0.00031	< 0.00100
FR SCOUT	FR_SCOUT	FR_SCOUT_WS_2022-04-07_N	2022-04-07	-	-		-	-	-	-	-	-	-		-	-	-	-
FR SCOUT	FR SCOUT	FR SCOUT 2022-05-05 N 0900	2022-05-05	-	0.0	66	0.00028	0.00021	0.0363	< 0.000020	< 0.000050	< 0.010	0.00023	1	94.55	< 0.00010	0.00016	0.00077
FR SCOUT FR SCOUT WS 2022-66-01 N 2022-66-01 0.00091 0.00091 0.00091 0.00093 0.0010 0.000093 9.99 0.000000 0.010 0.000093 1.000 0.00009 0.00009 0.000009 0.000009 0.00009 0.00009 0.00009 0.00009 0.00009 0.00009 0.00009 0.0	FR SCOUT	FR SCOUT 2022-06-02 N 0900	2022-06-02	-	0.00)49	0.00018	0.00011	0.038	< 0.000020	< 0.000050	< 0.010	0.0000	3	54.45	0.0001	< 0.00010	< 0.00050
FR SCOUT FR SCOUT FR SCOUT 7022-07-14 N 0000 2022-02-25 - 0.0011 0.00031 0.00031 0.00031 0.00030 0.000000 0.000000 0.000000 0.000012 888 9 < 0.00010 0.00041				-														0.00025
FR SCOUT FR FRSCOUT OF SOUT 2022-01 N 9090 2022-041 1 9 < 0.0001 0.00018			_	1														< 0.00050
FR SCOUT FR SCOUT 7922-08-11 N 9990 2022-08-11 < 0.00000 0.0000 0.00001 0.00001 0.00001 0.00001 2.94				-														
FR SCOUT PR SCOUT 2022-08-08 N 0900 2022-08-06 - < 0.00006				-														
FR_SCOUT FR_SCOUT_Z022-10-08 (-) < 0.0060				-														
FR SCOUT FR SCOUT 2022-11-03 N 9900 CALC 2022-12-01 N 9000 CALC 2022-10-01 N 9000 CALC 2022-10-01 N 9000 CALC 2022-10-01 N 9000 CALC 2022-10-01 N 9000 CALC 2020-10-01 N 9000 CALC 2020			2022-09-08	-			0.00079	0.00046	0.0353							< 0.00020		0.00126
FR SCOUT FR SCOUT 2022-12-01 N 9900 CALC 2022-12-01 . < 0.00080	FR_SCOUT	FR_SCOUT_2022-10-06_N_0900	2022-10-06	-	< 0.0	060	0.0006	< 0.00020	0.0397	< 0.000040	< 0.000100	< 0.020	0.0011	7	386.5	< 0.00020	0.00055	0.00102
FR SCOUT FR SCOUT 2022-12-22 N 9000 2022-12-22 - < 0.0060 0.00072 < 0.000020 0.0003 < 0.00010	FR_SCOUT	FR_SCOUT_2022-11-03_N_0900	2022-11-03	-	< 0.0	060	0.00068	0.00021	0.0318	< 0.000040	< 0.000100	< 0.020	0.0011	9	388	< 0.00020	0.0006	< 0.00100
FR SCOUT FR SCOUT 5022-12-29 N 09000 2022-12-29 - < 0.0060	FR SCOUT	FR SCOUT 2022-12-01 N 0900 CALC	2022-12-01	-	< 0.0	060	0.00063	0.0002	0.0276	< 0.000040	< 0.000100	< 0.020	0.00075	3	421.5	< 0.00020	0.00036	< 0.00100
FR SCOUT FR SCOUT, 2022-1229 N 9990 2022-1229 - <0.0080	FR SCOUT	FR SCOUT 2022-12-22 N 0900	2022-12-22	-	< 0.0	060	0.00072	< 0.00020	0.025	< 0.000040	< 0.000100	< 0.020	0.0007	2	432	< 0.00020	0.0003	< 0.00100
FR. SPI FR. SPI MON. 2022-02-01 N 2022-03-09 0.0003 0.00015 < 0.00010 0.0227 < 0.0006 0.00015 0.0001 0.00011 3139 < 0.00010 0.00013 < 0.0001	FR SCOUT			-	< 0.0	060	0.00064	0.00024	0.031	< 0.000040	< 0.000100	< 0.020	0.00077	3	452.5	< 0.00020	0.00035	< 0.00100
FR SP1 FR SP1 MON 2022-03-01 N 2022-02-06 - 0.0032 0.00083 0.00026 0.0831 < 0.040 < 0.00010 0.00083 407 < 0.000010 0.00083 407 < 0.000010 0.00083 407 < 0.000010 0.00083 407 < 0.000010 0.00083 407 < 0.00010 0.00083 407 < 0.00010 0.00083 407 < 0.00010 0.00083 407 < 0.00010 0.00083 407 < 0.00010 0.00083 407 < 0.00010 0.00083 407 < 0.00010 0.00083 407 < 0.00010 0.00083 407 < 0.00010 0.00083 407 < 0.00010 0.00083 407 < 0.00010 0.00083 407 < 0.00010 0.00083 407 < 0.00083 407 < 0.00010 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083 407 < 0.00083				<u> </u>														< 0.00020
FR SP1 FR SP1 WEX 2022-03-14 N 2022-03-29 · · · · · · · · · · · · · · · · · · ·	_																	
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FR. SPI FR. SPI WEK 2022-03-28 N 2022-03-31	_			-	-		-	-	-	-	-	-	-		-	-	-	-
FR SPI FR SPI WEX 2022-04-18 N 2022-05-18 N 2022-05-28 N 2022-05-29 N				-	-		-	-	-	-	-	-	-		-	-	-	-
FR SPI FR SPI WEK 2022-04-11 N 2022-04-19	FR_SP1	FR_SP1_WEK_2022-03-28_N	2022-03-31	-			-	-	-	-	-	-			-	-	-	
FR SP1 FR SP1 WEK 2022-04-18 N 2022-04-29	FR_SP1	FR_SP1_MON_2022-04-01_N	2022-04-05	-	0.00)12	0.00018	< 0.00010	0.0242	< 0.020	< 0.000050	0.017	0.00005	77	149	< 0.00010	0.00017	< 0.00020
FR SP1 FR DC2 WEK 2022-04-25 N 2022-04-28	FR SP1	FR SP1 WEK 2022-04-11 N	2022-04-14	-	-		-	-	-	-	-	-	-		-	-	-	-
FR SP1 FR DC2 WEK 2022-04-25 N 2022-04-28				-	-		-	-	-	-	-	-	-		-	-	-	-
FR SP1 FR DC2 MON 2022-05-01 N 2022-05-02 - 0.0002				 -	_		_	_			_		_			_		-
FR_SP1				t _	0.00	122		< 0.00010			< 0.000050		0.000083	75		< 0.00010		< 0.00020
FR_SP1				 			0.000170				- 0.000000			. •	100			
FR SP1 FR SP1 WEK 2022-05-23 N 2022-06-01				⊢ -			-	-			-	-			<u> </u>	-		
FR_SP1			_	 	+			-		-		-				-		
FR_SP1	_			<u> </u>	-		-	-		1	-	-	-			-	-	-
FR_SP1 FR_SP1_WEK_2022-06-13_N 2022-06-13 <0.0010 <0.00010 <0.00010 <0.00010 <0.00010 <0.00050 <0.00050 <0.0050 <0.0050 <0.00010 <0.00010 <0.00050 FR_SP1_WEK_2022-06-13_N 2022-06-13_N 2022-06-20_N 2022-07-04_N 2022-07-04_N 2022-07-04_N 2022-07-04_N 2022-07-04_N 2022-07-11_N 2022-07-04_N 2022-07-11_N 2022-07-12_N					-		-	-			-	-	-			-	-	-
FR_SP1 FR_SP1_WEK_2022-06-13_N 2022-06-20_C			_	-														< 0.00020
FR_SP1 FR_SP1_WEK_2022-06-20_N 2022-06-20	FR_SP1	FR_FLD1_2022-06-13_N	2022-06-13		< 0.0	010	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.005	0	< 0.050	< 0.00010	< 0.10	< 0.00020
FR_SP1	FR_SP1	FR_SP1_WEK_2022-06-13_N	2022-06-13	-	-		-		-	-	-	_	-		-	-	-	-
FR SP1 FR SP1 WEK 2022-06-27 N 2022-06-29	FR SP1	FR SP1 WEK 2022-06-20 N	2022-06-20	-	-		-	-	-	-	-	-	-		-	-	-	-
FR SP1 FR SP1 MON 2022-07-01 N 2022-07-04 - 0.0011 0.00017 < 0.00010 0.0212 < 0.020 < 0.000050 0.019 0.000158 144 < 0.00010 < 0.10 0.000 FR SP1 FR SP1 WEK 2022-07-11 N 2022-07-12 - - <td>_</td> <td>FR SP1 WEK 2022-06-27 N</td> <td></td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	_	FR SP1 WEK 2022-06-27 N		-	-		-	-	-	-	-	-	-		-	-	-	-
FR_SP1 FR_SP1_WEK_2022-07-11_N 2022-07-12			_	T -	0.00)11	0.00017			< 0.020	< 0.000050	0.010	0.00015	8	144	< 0.00010	< 0.10	0.00028
FR_SP1 FR_SP1_MON_2022-08-01_N 2022-08-02 - 0.0014 0.00021 < 0.00010 0.0204 < 0.020 < 0.000050 0.017 0.000099 135 < 0.00010 < 0.010 0.0000				 												- 0.00010		
FR_SP1 FR_DC2_MON_2022-09-01 NP 2022-09-08 - 0.00405 0.0002 < 0.00010 0.02245 < 0.020 < 0.000050 0.0195 0.00007815 148.5 < 0.00010 0.00011 < 0.0001 FR_SP1 FR_SP1_WS_2022-09-30 NP 2022-09-30 - 0.0014 0.00024 < 0.00010 0.0245 < 0.020 < 0.000050 0.019 0.00091 152 < 0.00010 0.00013 0.0001 FR_SP1 FR_SP1_MON_2022-10-01_N 2022-10-19 - 0.0012 0.0002 < 0.00010 0.0218 < 0.020 < 0.00050 0.02 0.00050 0.02 0.000101 168 < 0.00010 0.00011 < 0.0001														Ω		< 0.00010		
FR_SP1 FR_SP1_WS_2022-09-30_NP 2022-09-30 - 0.0014 0.00024 < 0.00010 0.0245 < 0.020 < 0.000050 0.019 0.000091 152 < 0.00010 0.00013 0.000 FR_SP1 FR_SP1_MON_2022-10-01_N 2022-10-19 - 0.0012 0.0012 0.0002 < 0.00010 0.0218 < 0.020 < 0.000050 0.02 0.000101 168 < 0.00010 0.00011 < 0.0001																		
FR_SP1 FR_SP1_MON_2022-10-01_N 2022-10-19 - 0.0012 0.0002 < 0.00010 0.0218 < 0.020 < 0.000050 0.02 0.000101 168 < 0.00010 0.00011 < 0.0001																		
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I FRISPI I FRISPI MON 2022-11-01 N 2022-11-03 - < 0.0010 0.00017 < 0.00010 0.0215 < 0.00015 0.00050 0.017 0.00002 0.466 < 0.00040 0.0004 0.0004			_															< 0.00020
11 <u>0</u> 01 11 <u>0</u> 01 100000 2022-11-01 2022-11-02 - 200010 200011	FR_SP1	FR_SP1_MON_2022-11-01_N	2022-11-03	-	< 0.0	010	0.00017	< 0.00010	0.0215	< 0.020	< 0.000050	0.017	0.00009	2	146	< 0.00010	0.0001	0.00061

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

Sample	Sample	Sample Date H	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Ë	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Fording River Operation																		<u> </u>
FR_PP1	FR_PP1_MON_2022-10-25_NP	2022-10-24 -	< 0.020	< 0.000100	0.0243	182	0.0138	0.068	4.47	371	< 0.000020	1.61	0.233	0.000058	< 0.00020	< 0.00060	0.0106	0.0612
FR_PP1	FR_PP1_MON_2022-11-01_N	2022-11-02 -	< 0.020	< 0.000100	0.0286	161	0.0119	0.0674	4.44	413	< 0.000020	1.61	0.291	0.000061	< 0.00020	< 0.00060	0.0123	0.0437
FR_SCOUT	FR_SCOUT_WS_2022-1-06_N_0900	2022-01-06 -	< 0.020	< 0.000100	0.0643	286	0.00345	0.0389	5.02	514	< 0.000020	7.55	0.215	0.000046	< 0.00020	< 0.00060	0.0173	0.0203
FR_SCOUT	FR_SCOUT_WS_2022-01-13_N	2022-01-13 -	< 0.020	< 0.000100	0.0759	304	0.00448	0.0438	4.69	524	< 0.000020	3.12	0.245	0.000048	< 0.00020	< 0.00060	0.0159	0.0308
FR_SCOUT	FR_SCOUT_WS_2022-02-10_N_0900	2022-02-10 -	< 0.020	< 0.000100	0.073	282	0.00547	0.0413	4.23	522	< 0.000020	3.06	0.236	0.000049	< 0.00020	< 0.00060	0.0176	0.0297
FR_SCOUT	FR_SCOUT_WS_20220216_N	2022-02-16 -	0.016	< 0.000050	0.0817	103	0.0138	0.00988	32.2	134	< 0.000010	3.59	0.241	0.00001	< 0.00010	< 0.00030	0.00588	0.0053
FR_SCOUT	FR_SCOUT_WS_2022-03-10_N	2022-03-10 -	-	-	-	293.5	-	-	6.125	-	-	14.25	-	-	-	-	-	-
FR_SCOUT	FR_SCOUT_2022-03-10_N_0900	2022-03-10 -	< 0.020	< 0.000100	0.104	-	0.0121	0.0148	-	158	< 0.000020	-	0.258	< 0.000020	< 0.00020	< 0.0100	0.0157	0.008
FR_SCOUT	FR_SCOUT_2022-04-07_N_0900	2022-04-07 -	< 0.020	< 0.000100	0.0866	239.5	0.0162	0.0246	4.16	258	< 0.000020	9.885	0.22	0.000026	< 0.00020	< 0.0200	0.0138	0.0185
FR_SCOUT	FR_SCOUT_WS_2022-04-07_N	2022-04-07 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SCOUT	FR_SCOUT_2022-05-05_N_0900	2022-05-05 -	0.013	< 0.000050	0.0168	70.05	0.0016	0.0111	1.47	119	< 0.000010	0.925	0.0685	0.000017	< 0.00010	< 0.0100	0.00336	0.0136
FR_SCOUT	FR_SCOUT_2022-06-02_N_0900	2022-06-02 -	< 0.010	< 0.000050	0.0181	31.7	0.00188	0.00316	0.888	30.3	< 0.000010	0.8965	0.085	< 0.000010	< 0.00010	< 0.00030	0.00149	0.005
FR_SCOUT	FR_SCOUT_WS_2022-06-04_N	2022-06-04 -	< 0.010	< 0.000050	0.0151	26	0.00167	0.00207	0.931	19	< 0.000010	1.38	0.0869	< 0.000010	< 0.00010	< 0.00030	0.00128	0.0014
FR_SCOUT	FR_SCOUT_2022-07-14_N_0900	2022-07-14 -	< 0.010	< 0.000050	0.0308	115	0.00392	0.0207	2.17	176	< 0.000010	1.195	0.104	0.000026	< 0.00010	< 0.00030	0.00574	0.0267
FR_SCOUT	FR_FRSCOUT_WS_2022_07_25_N	2022-07-25 -	< 0.010	< 0.000050	0.0369	41.2	0.00385	0.00517	1.5	54.5	< 0.000010	1.65	0.116	< 0.000010	< 0.00010	< 0.00030	0.00243	0.005
FR_SCOUT	FR_SCOUT_2022-08-11_N_0900	2022-08-11 -	< 0.020	< 0.000100	0.0593	225	0.00659	0.0462	3.795	350	< 0.000020	2.025	0.174	0.000041	< 0.00020	< 0.00060	0.0122	0.052
FR_SCOUT	FR_SCOUT_2022-09-08_N_0900	2022-09-08 -	< 0.020	< 0.000100	0.087	300	0.00652	0.0603	4.75	508	< 0.000020	2.855	0.237	0.000057	< 0.00020	< 0.00060	0.016	0.0745
FR_SCOUT	FR_SCOUT_2022-10-06_N_0900	2022-10-06 -	< 0.020	< 0.000100	0.0688	281.5	0.00466	0.0512	4.215	466	< 0.000020	2.63	0.221	0.000047	< 0.00020	< 0.00060	0.0134	0.0652
FR_SCOUT	FR_SCOUT_2022-11-03_N_0900	2022-11-03 -	< 0.020	< 0.000100	0.0784	327.5	0.00414	0.0572	4.71	503	< 0.000020	2.83	0.209	0.000052	< 0.00020	< 0.00060	0.0163	0.0698
FR_SCOUT	FR_SCOUT_2022-12-01_N_0900_CALC	2022-12-01 -	< 0.020	< 0.000100	0.102	329.5	0.0073	0.0476	4.98	579	< 0.000020	4.27	0.254	0.000052	< 0.00020	< 0.00060	0.0198	0.0404
FR_SCOUT	FR_SCOUT_2022-12-22_N_0900	2022-12-22 -	< 0.020	< 0.000100	0.0894	369	0.00417	0.0545	4.935	662	< 0.000020	2.955	0.247	0.000056	< 0.00020	< 0.00060	0.0205	0.0393
FR_SCOUT	FR_SCOUT_2022-12-29_N_0900	2022-12-29 -	< 0.020	< 0.000100	0.0867	357	0.0035	0.0542	4.78	632	< 0.000020	2.96	0.245	0.000051	< 0.00020	< 0.00060	0.0183	0.0455
FR_SP1	FR_SP1_MON_2022-01-04_N	2022-01-08 -	< 0.010	< 0.000050	0.0521	78.8	0.00066	0.00195	3.64	39.7	< 0.000010	2.06	0.164	0.000015	< 0.00010	< 0.00030	0.0043	0.0014
FR_SP1	FR_SP1_MON_2022-02-01_N	2022-02-06 -	< 0.020	< 0.000100	0.0197	151	0.0161	0.0533	4.02	294	< 0.000020	1.43	0.275	0.000057	< 0.00020	< 0.00060	0.0101	0.0455
FR_SP1	FR_SP1_MON_2022-03-01_N	2022-03-04 -	< 0.010	< 0.000050	0.0545	74.5	0.00065	0.00199	3.86	29.1	< 0.000010	1.76	0.165	0.000016	< 0.00010	< 0.00030	0.00435	0.0021
FR_SP1	FR_SP1_WEK_2022-03-14_N	2022-03-19 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-03-21_N	2022-03-23 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-03-28_N	2022-03-31 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_MON_2022-04-01_N	2022-04-05 -	< 0.010	< 0.000050	0.0585	86.8	0.00219	0.00207	3.33	79.2	< 0.000010	2.82	0.163	0.000015	< 0.00010	< 0.00030	0.00457	< 0.0010
FR_SP1	FR_SP1_WEK_2022-04-11_N	2022-04-14 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-04-18_N	2022-04-19 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_DC2_WEK_2022-04-25_N	2022-04-28 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_DC2_MON_2022-05-01_N	2022-05-02 -	< 0.010	< 0.000050	0.0588	86.65	0.00056	0.002345	4.05	47.55	< 0.000010	2.385	0.17	0.000021	< 0.00010	< 0.00030	0.00518	0.00165
FR_SP1	FR_SP1_WEK_2022-05-09_N	2022-05-12 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-05-16_N	2022-05-16 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-05-23_N	2022-05-23 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-05-30_N	2022-06-01 -		-		-		-	-		-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_MON_2022-06-01_N	2022-06-08 -	< 0.010	< 0.000050	0.0614	81.7	0.00042	0.0021	3.77	74.4	< 0.000010	1.86	0.178	0.000016		< 0.00030		0.0025
FR_SP1	FR_FLD1_2022-06-13_N	2022-06-13 -	< 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.000010	< 0.0010
FR_SP1	FR_SP1_WEK_2022-06-13_N	2022-06-13 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-06-20_N	2022-06-20 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-06-27_N	2022-06-29 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_MON_2022-07-01_N	2022-07-04 -	< 0.010	< 0.000050	0.057	80.6	0.00034	0.00196	3.65	85.2	< 0.000010	1.82	0.164	0.000019	< 0.00010	< 0.00030	0.00377	0.0023
FR_SP1	FR_SP1_WEK_2022-07-11_N	2022-07-12 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_MON_2022-08-01_N	2022-08-02 -	0.014	< 0.000050	0.0484	71.6	0.00069	0.0017	3.72	56.3	0.000112	1.64	0.152	0.000018	< 0.00010	< 0.00030	0.00379	0.0022
FR_SP1	FR_DC2_MON_2022-09-01_NP	2022-09-08 -	< 0.010	< 0.000050	0.05635	84.35	0.00046	0.001945	3.555	54.7	< 0.000010	1.98	0.1675	0.0000205	< 0.00010	< 0.00030	0.004275	0.0012
FR_SP1	FR_SP1_WS_2022-09-30_NP	2022-09-30 -	< 0.010	< 0.000050	0.0575	94.1	0.00071	0.00243	4.08	56.7	< 0.000010	2.31	0.168	0.000028	< 0.00010	< 0.00030	0.00456	0.0016
FR_SP1	FR_SP1_MON_2022-10-01_N	2022-10-19 -	< 0.010	< 0.000050	0.0597	91.8	0.0005	0.00203	3.64	39	< 0.000010	1.9	0.171	0.000019	< 0.00010	< 0.00030	0.00491	0.0012
FR_SP1	FR_SP1_MON_2022-11-01_N	2022-11-03 -	< 0.010	< 0.000050	0.0503	81.2	0.00076	0.00207	3.47	39.6	< 0.000010	1.86	0.168	0.000015	< 0.00010	< 0.00030	0.00474	0.0014

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

			[Dissolv	ed Metals	.					
Sample	Sample	Sample Date	Hardness	Aluminum		Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium		Calcium	Chromium	Cobalt	Copper
Location	ID	(mm/dd/yyyy)	mg/L	mg/l	<u>L</u>	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L
				Acute	Chronic							Acute	Chronic				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a	0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Greenhills Operation																	
GH_FC1	GH_FC1_WS_2022-01-03_NP	2022-01-10	-	0.002		< 0.00010	0.0002	0.0675	< 0.020	< 0.000050	< 0.010	< 0.008		78.3			0.00025
GH_FC1	GH_FC1_WS_2022-02-07_NP	2022-02-07	-	0.002	28	< 0.00010	0.00016	0.0626	< 0.020	< 0.000050	< 0.010	< 0.008	50	77.1	< 0.00010	< 0.00010	0.00024
GH_FC1	GH_FC1_WS_2022-03-07_N	2022-03-07	-	0.001	16	< 0.00010	0.00016	0.0583	< 0.020	< 0.000050	< 0.010	< 0.008	50	72.4	< 0.00010	< 0.10	< 0.00020
GH FC1	GH FC1 WS 2022-03-14 NP	2022-03-17	-	0.001	16	< 0.00010	0.00014	0.0697	< 0.020	< 0.000050	< 0.010	< 0.008	50	71.6	< 0.00010	< 0.10	< 0.00020
GH FC1	GH FC1 WS 2022-03-20 NP	2022-03-20	-	0.002	22	< 0.00010	0.00018	0.0689	< 0.020	< 0.000050	< 0.010	< 0.00	50	80.9	< 0.00010	< 0.10	0.00021
GH FC1	GH FC1 WS 2022-03-21 NP	2022-03-22	-	0.001	16	< 0.00010	0.00012	0.0504	< 0.020	< 0.000050	< 0.010	< 0.00	50	62.8	< 0.00010	< 0.10	< 0.00020
GH FC1	GH FC1 WS 2022-03-28 NP	2022-03-29	_	0.002		< 0.00010	0.00015	0.0449	< 0.020	< 0.000050	< 0.010	< 0.005		63.9	< 0.00010	< 0.10	0.00023
GH FC1	GH FC1 WS 2022-04-04 NP	2022-03-29		0.002		< 0.00010	0.00015	0.0457	< 0.020	< 0.000050	< 0.010	< 0.003		59.5	< 0.00010	< 0.10	0.00024
GH_FC1	GH_FC1_WS_2022-04-04_NP GH_FC1_WS_2022-04-11_NP	2022-04-06		0.002		< 0.00010	0.00016	0.0457		< 0.000050	< 0.010	< 0.003			< 0.00010	< 0.10	0.00024
			-						< 0.020		1			61.2			
GH_FC1	GH_FC1_WS_2022-04-18_NP	2022-04-21	-	0.001		< 0.00010	0.00016	0.0453	< 0.020	< 0.000050	< 0.010	< 0.00		67.5	< 0.00010	< 0.10	< 0.00020
GH_FC1	GH_FC1_WS_2022-04-25_NP	2022-04-27	-	0.001		< 0.00010	0.00014	0.0506	< 0.020	< 0.000050	< 0.010	< 0.008		63	< 0.00010	< 0.10	< 0.00020
GH_FC1	GH_FC1_WS_2022-05-02_NP	2022-05-04	-	0.001		< 0.00010	0.00017	0.0552	< 0.020	< 0.000050	< 0.010	< 0.008		64.2	< 0.00010	< 0.10	< 0.00020
GH_FC1	GH_FC1_WS_2022-05-09_NP	2022-05-11	-	0.001	18	< 0.00010	0.00016	0.0532	< 0.020	< 0.000050	< 0.010	< 0.008	50	61.6	< 0.00030	< 0.10	0.00021
GH_FC1	GH_FC1_WS_2022-05-16_NP	2022-05-18	-	0.001	16	< 0.00010	0.00015	0.0553	< 0.020	< 0.000050	< 0.010	< 0.008	50	64.4	< 0.00010	< 0.10	< 0.00020
GH FC1	GH FC1 WS 2022-05-23 NP	2022-05-27	-	0.002	25	< 0.00010	0.00018	0.0648	< 0.020	< 0.000050	< 0.010	< 0.00	50	66.6	< 0.00010	< 0.10	< 0.00020
GH FC1	GH FC1 WS 2022-05-30 NP	2022-06-01	_	0.001	19	< 0.00010	0.00016	0.0586	< 0.020	< 0.000050	< 0.010	< 0.00	50	64.8	< 0.00010	< 0.10	0.0002
GH FC1	GH FC1 WS 2022-06-06 NP	2022-06-08		0.001		< 0.00010	0.00019	0.0616	< 0.020	< 0.000050	< 0.010	< 0.008		65.5	< 0.00010	< 0.10	< 0.00020
GH FC1	GH FC1 WS 2022-06-13 NP	2022-06-15	_	0.001		< 0.00010	0.00013	0.0506	< 0.020	< 0.000050	< 0.010	< 0.003		61.5	< 0.00010	< 0.10	< 0.00020
	GH_FC1_W3_2022-06-13_NF GH_FC1_WS_2022-06-20_NP			< 0.00								< 0.003					< 0.00020
GH_FC1		2022-06-22	-			< 0.00010	0.0002	0.0677	< 0.020	< 0.000050	0.013			76.1	< 0.00010	< 0.10	
GH_FC1	GH_FC1_WS_2022-06-27_NP	2022-06-29	-	0.001		< 0.00010	0.00016	0.0613	< 0.020	< 0.000050	< 0.010	< 0.00		70.2	< 0.00010	< 0.10	< 0.00020
GH_FC1	GH_FC1_WS_2022-07-04_NP	2022-07-06	-	0.001		< 0.00010	0.00018	0.0609	< 0.020	< 0.000050	< 0.010	< 0.008		68.2	< 0.00010	< 0.10	< 0.00020
GH_FC1	GH_FC1_WS_2022-07-11_NP	2022-07-13	-	0.001		< 0.00010	0.0002	0.0649	< 0.020	< 0.000050	0.011	< 0.008		68.5	< 0.00010	< 0.10	< 0.00020
GH_FC1	GH_FC1_WS_2022-08-01_NP	2022-08-04	-	0.00	2	< 0.00010	0.00022	0.0718	< 0.020	< 0.000050	0.01	< 0.008	50	74	< 0.00010	< 0.10	< 0.00020
GH FC1	GH FC1 WS 2022-09-05 NP	2022-09-08	-	-		-	-	-	-	-	-	-		-	-	-	-
GH FC1	GH FC1 WS 2022-10-03 NP	2022-10-05	-	0.00	1	< 0.00010	0.00025	0.0654	< 0.020	< 0.000050	< 0.010	< 0.00	50	79.7	< 0.00010	< 0.10	< 0.00020
GH FC1	GH FC1 WS 2022-11-07 NP	2022-11-09	_	< 0.00		< 0.00010	0.0003	0.0507	< 0.020	< 0.000050	< 0.010	< 0.00	50	64.3	< 0.00010	< 0.10	< 0.00020
GH GH1	GH GH1 WS 2022-01-03 N	2022-01-04	_	< 0.00		0.00038	0.00016	0.0443	< 0.020	< 0.000050	< 0.010	0.00000		168	0.00011	< 0.00010	0.0002
GH GH1	GH_GH1_WS_2022-01-03_N	2022-01-04	-	0.001		0.00039	0.00010	0.0443	< 0.020	< 0.000050	< 0.010	< 0.000		176	< 0.00011	< 0.00010	< 0.00020
			-								1					1	
GH_GH1	GH_GH1_WS_2022-02-19_N	2022-02-19	-	0.001		0.00037	0.00016	0.0436	< 0.020	< 0.000050	< 0.010	0.0000		172	< 0.00010	< 0.00010	< 0.00020
GH_GH1	GH_GH1_WS_2022-02-20_NP	2022-02-20	-	< 0.00		0.00039	0.00017	0.0462	< 0.020	< 0.000050	< 0.010	< 0.008		180	0.00011	< 0.00010	0.00029
GH_GH1	GH_GH1_WS_2022-02-21_N	2022-02-21	-	0.001		0.00037	0.00016	0.043	< 0.020	< 0.000050	0.013	0.00000		173	0.00016	< 0.00010	0.0005
GH_GH1	GH_GH1_WS_2022-03-07_N	2022-03-04	-	< 0.00)10	0.00036	0.00019	0.0438	< 0.020	< 0.000050	< 0.010	0.0000	06	186	< 0.00010	< 0.10	< 0.00020
GH_GH1	GH_GH1_WS_2022-03-14_N	2022-03-15	T	-		-	-	-	-	-	-	-		-	-	-	-
GH_GH1	GH_GH1_WS_2022-03-21_N	2022-03-21	-	-		-	-	-	-	-	-	-		-	-	-	-
GH GH1	GH GH1 WS 2022-03-28 N	2022-03-28	- 1	-		-	-	-	-	-	-	-		-	-	-	-
GH GH1	GH FOX3 WS 2022-04-04 N	2022-04-04	_	0.003	25	0.0003	0.00016	0.0406	< 0.020	< 0.000050	< 0.010	0.00002	!11	116	0.00017	< 0.10	0.000445
GH GH1	GH GH1 WS 2022-04-04 N	2022-04-04	_	-		-	-	-	-	-	-	-		-	-	-	-
GH GH1	GH GH1 WS 2022-04-11 N	2022-04-11	_			_		_	-	-	_	_		_	-	<u> </u>	_
GH GH1	GH GH1 WS 2022-04-11 N	2022-04-11	-	<u> </u>				1		-	†	-			 	+ -	-
GH GH1	GH GH1 WS 2022-04-16 N	2022-04-19	-			-		-	-	-	-			-	-	-	
	GH_GH1_WS_2022-04-25_N GH_GH1_WS_2022-05-09_N	2022-04-26		-		-	-	-	-	-	-	-		-	-	-	-
GH_GH1			-	-		-	-	-	-	-	-	-		-	-	-	-
GH_GH1	GH_GH1_WS_2022-05-16_N	2022-05-17	-	-		-	-	-	-	-	-	-		-	-	-	-
GH_GH1	GH_GH1_WS_2022-05-23_N	2022-05-23	-	-		-	-	-	-	-	-	-		-	-	-	-
GH_GH1	GH_GH1_WS_2022-05-30_N	2022-05-30	-	-		-	-	-	-	-	-	-		-		-	-
GH_GH1	GH_GH1_WS_2022-06-06_N	2022-06-06	-	0.001	18	0.00035	0.00022	0.0474	< 0.020	< 0.000050	0.011	0.0001	02	112	< 0.00010	< 0.10	0.00043
GH_GH1	GH_GH1_WS_2022-06-13_N	2022-06-14	-	-		-	-	-	-	-	-	-		-	-	-	-
GH GH1	GH GH1 WS 2022-06-17 N	2022-06-17	-	-		-	-	-	-	-	-	-		-	-	-	-
GH GH1	GH GH1 WS 2022-06-18 N	2022-06-18	-	-		-	_	_	-	-	-	-		_	_	_	-
GH GH1	GH GH1 WS 2022-06-19 N	2022-06-19	_	_		_		_	_	_	_	-		_	_	_	_
GH GH1	GH GH1 WS 2022-06-19 N	2022-06-20	-			-		-	-	-	-	-		-	-	 	-
GII_GHI	GIT_GITT_VV3_ZUZZ-UU-ZU_IV	2022-00-20	-	<u> </u>			-					<u> </u>		_			

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

											ed Metals							ļ
		φ.				ш n	ese		E				E					
		ardnes	5	ad	thium	agnesii	angane	ckel	otassiu	Jenium	Ver	odium	rontiur	nallium	۔	tanium	anium	Zinc
Sample	Sample	Sample Date 🖺	<u> </u>	<u> </u>	<u> </u>	Σ̈́	ž	Ż.	<u>~</u>	ŏ.	<u></u>	<u> </u>	<u>s</u>	<u> </u>	F.	Ë	<u>5</u>	
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Greenhills Operation								•										
GH_FC1	GH_FC1_WS_2022-01-03_NP	2022-01-10 -	0.038	< 0.000050	0.003	33.2	0.014	< 0.00050	0.77	0.17	< 0.000010	3.02	0.0956	< 0.000010	< 0.00010	0.00031	0.000417	< 0.0010
GH_FC1	GH_FC1_WS_2022-02-07_NP	2022-02-07 -	0.026	< 0.000050	0.0033	29.3	0.00814	< 0.00050	0.739	0.123	< 0.000010	2.68	0.089	< 0.000010	< 0.00010	< 0.00030	0.000464	0.0022
GH_FC1	GH_FC1_WS_2022-03-07_N	2022-03-07 -	0.021	< 0.000050	0.0034	28.7	0.00702	< 0.00050	0.954	0.111	< 0.000010	2.66	0.0852	< 0.000010	< 0.00010	< 0.00030	0.00033	< 0.0010
GH_FC1	GH_FC1_WS_2022-03-14_NP	2022-03-17 -	0.037	< 0.000050	0.0024	26.4	0.0284	< 0.00050	0.958	0.221	< 0.000010	5.31	0.128	< 0.000010	< 0.00010	< 0.00030	0.000288	< 0.0010
GH_FC1 GH_FC1	GH_FC1_WS_2022-03-20_NP GH_FC1_WS_2022-03-21_NP	2022-03-20 - 2022-03-22 -	0.032 0.015	< 0.000050 < 0.000050	0.0024 0.0034	29 25.7	0.0291 0.00367	< 0.00050 < 0.00050	1.12 1.16	0.227 0.093	< 0.000010 < 0.000010	5.11 2.39	0.136 0.0783	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.000259 0.000266	0.001 0.0014
GH FC1	GH FC1 WS 2022-03-21 NP	2022-03-22 -	0.013	< 0.000050	0.0034	26.2	0.00307	< 0.00050	1.47	0.093	< 0.000010	1.82	0.0763	< 0.000010	< 0.00010	< 0.00030	0.000282	0.0014
GH FC1	GH FC1 WS 2022-04-04 NP	2022-03-23 -	< 0.011	< 0.000050	0.0020	24.2	0.00295	< 0.00050	1.34	0.110	< 0.000010	2.16	0.0691	< 0.000010	< 0.00010	< 0.00030	0.000202	< 0.001
GH FC1	GH_FC1_WS_2022-04-11_NP	2022-04-13 -	< 0.010	< 0.000050	0.0032	24.8	0.00133	< 0.00050	1.23	0.104	< 0.000010	2.23	0.0742	< 0.000010	< 0.00010	< 0.00030	0.000333	< 0.0010
GH FC1	GH FC1 WS 2022-04-18 NP	2022-04-21 -	< 0.010	< 0.000050	0.0032	23.8	0.00099	< 0.00050	1.06	0.071	< 0.000010	2.2	0.079	< 0.000010	< 0.00010	< 0.00030	0.000378	0.0034
GH FC1	GH FC1 WS 2022-04-25 NP	2022-04-27 -	< 0.010	< 0.000050	0.0035	24.6	0.0013	< 0.00050	1.12	0.062	< 0.000010	2.29	0.0751	< 0.000010	< 0.00010	< 0.00030	0.000344	< 0.0010
GH_FC1	GH_FC1_WS_2022-05-02_NP	2022-05-04 -	< 0.010	< 0.000050	0.0034	24.8	0.00155	< 0.00050	1.2	0.132	< 0.000010	2.28	0.0788	< 0.000010	< 0.00010	< 0.00030	0.000318	< 0.0010
GH_FC1	GH_FC1_WS_2022-05-09_NP	2022-05-11 -	< 0.010	< 0.000050	0.0036	25	0.0014	< 0.00050	1.15	0.105	< 0.000010	2.34	0.0767	< 0.000010	< 0.00010	< 0.00030	0.00032	< 0.0010
GH_FC1	GH_FC1_WS_2022-05-16_NP	2022-05-18 -	< 0.010	< 0.000050	0.0036	25.1	0.00208	< 0.00050	1.22	0.08	< 0.000010	2.39	0.0796	< 0.000010	< 0.00010	< 0.00030	0.000343	< 0.0010
GH_FC1	GH_FC1_WS_2022-05-23_NP	2022-05-27 -	< 0.010	< 0.000050	0.0039	29.3	0.00299	< 0.00050	1.2	0.094	< 0.000010	2.48	0.0854	< 0.000010	< 0.00010	< 0.00030	0.000313	< 0.0010
GH_FC1	GH_FC1_WS_2022-05-30_NP	2022-06-01 -	0.011	< 0.000050	0.0042	26.4	0.00362	< 0.00050	1.16	0.077	< 0.000010	2.44	0.0831	< 0.000010	< 0.00010	< 0.00030	0.000277	< 0.0010
GH_FC1	GH_FC1_WS_2022-06-06_NP	2022-06-08 -	< 0.010	< 0.000050	0.004	25	0.0038	< 0.00050	1	0.085	< 0.000010	2.24	0.0813	< 0.000010	< 0.00010	< 0.00030	0.000254	< 0.0010
GH_FC1	GH_FC1_WS_2022-06-13_NP	2022-06-15 -	< 0.010	< 0.000050	0.0037	24.6	0.00174	< 0.00050	0.901	0.088	< 0.000010	2.36	0.0715	< 0.000010	< 0.00010	< 0.00030	0.000273	< 0.0010
GH_FC1	GH_FC1_WS_2022-06-20_NP	2022-06-22 -	0.011	< 0.000050	0.0046	30.2	0.00415	< 0.00050	0.807	0.175	< 0.000010	2.49	0.0872	< 0.000010	< 0.00010	< 0.00030	0.000271	< 0.0010
GH_FC1	GH_FC1_WS_2022-06-27_NP	2022-06-29 -	0.011	< 0.000050	0.0038	25.7	0.00512	< 0.00050	0.587	0.131	< 0.000010	2.21	0.0824	< 0.000010	< 0.00010	< 0.00030	0.000262	< 0.0010
GH_FC1	GH_FC1_WS_2022-07-04_NP	2022-07-06 -	0.015	< 0.000050	0.0043	26.8	0.00468	< 0.00050	0.693	0.084	< 0.000010	2.35	0.0878	< 0.000010	< 0.00010	< 0.00030	0.000241	< 0.0010
GH_FC1 GH_FC1	GH_FC1_WS_2022-07-11_NP	2022-07-13 -	0.021 0.046	< 0.000050	0.0044 0.005	27.5 28.4	0.00788	< 0.00050 < 0.00050	0.608 0.82	0.127 0.107	< 0.000010	2.4	0.0891 0.0962	< 0.000010	< 0.00010	< 0.00030	0.000242	< 0.0010
GH_FC1	GH_FC1_WS_2022-08-01_NP GH_FC1_WS_2022-09-05_NP	2022-08-04 - 2022-09-08 -	-	< 0.000050	0.005	- 20.4	0.0186	< 0.00050	- 0.02	- 0.107	< 0.000010	2.03	0.0962	< 0.000010	< 0.00010	< 0.00030	0.000196	< 0.0010
GH FC1	GH FC1 WS 2022-10-03 NP	2022-09-06 -	0.048	< 0.000050	0.0038	28.3	0.0442	< 0.00050	1.07	0.139	< 0.000010	2.6	0.0852	< 0.000010	< 0.00010	< 0.00030	0.000171	< 0.0010
GH FC1	GH FC1 WS 2022-11-07 NP	2022-11-09 -	0.062	< 0.000050	0.0039	24.8	0.0482	< 0.00050	0.738	0.083	< 0.000010	2.11	0.0792	< 0.000010	< 0.00010	< 0.00030	0.000171	< 0.0010
GH GH1	GH GH1 WS 2022-01-03 N	2022-01-04 -	< 0.010	< 0.000050	0.0142	129	0.00158	0.00769	2.09	143	< 0.000010	2.81	0.199	< 0.000010	< 0.00010	< 0.00030	0.00758	< 0.0010
GH GH1	GH GH1 WS 2022-02-07 N	2022-02-04 -	< 0.010	< 0.000050	0.0164	136	0.00027	0.00702	2.17	153	< 0.000010	2.62	0.206	< 0.000010	< 0.00010	< 0.00030	0.00792	< 0.0010
GH GH1	GH GH1 WS 2022-02-19 N	2022-02-19 -	< 0.010	< 0.000050	0.0159	139	0.00117	0.00797	2.36	162	< 0.000010	2.93	0.204	< 0.000010	< 0.00010	< 0.00030	0.00813	< 0.0010
GH GH1	GH GH1 WS 2022-02-20 NP	2022-02-20 -	< 0.010	< 0.000050	0.0167	142	0.00121	0.00805	2.42	176	< 0.000010	3.07	0.21	< 0.000010	< 0.00010	< 0.00030	0.00869	< 0.0010
GH_GH1	GH_GH1_WS_2022-02-21_N	2022-02-21 -	< 0.010	< 0.000050	0.016	129	0.00117	0.00744	2.35	162	< 0.000010	3.16	0.202	< 0.000010	0.00014	< 0.00030	0.00802	0.0052
GH_GH1	GH_GH1_WS_2022-03-07_N	2022-03-04 -	< 0.010	< 0.000050	0.0173	139	0.00186	0.00795	2.33	157	< 0.000010	3.02	0.216	< 0.000010	< 0.00010	< 0.00030	0.00801	< 0.0010
GH_GH1	GH_GH1_WS_2022-03-14_N	2022-03-15 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-03-21_N	2022-03-21 -	-	-	-	-	-	-	-	•	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-03-28_N	2022-03-28 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_FOX3_WS_2022-04-04_N	2022-04-04 -	< 0.010	< 0.000050	0.00995	78.85	0.001755	0.004625	1.59	71.05	< 0.000010	2.615	0.154	< 0.000010	< 0.00010	< 0.00030	0.00439	0.00155
GH_GH1	GH_GH1_WS_2022-04-04_N	2022-04-04 -	-	-	-	-	 -	-	-	-	-	-	-	-	-	-	-	
GH_GH1	GH_GH1_WS_2022-04-11_N	2022-04-11 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1 GH_GH1	GH_GH1_WS_2022-04-18_N GH_GH1_WS_2022-04-25_N	2022-04-19 - 2022-04-26 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH GH1 WS 2022-04-25 N GH GH1 WS 2022-05-09 N	2022-04-26 - 2022-05-10 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH GH1	GH GH1 WS 2022-05-09 N	2022-05-10 -		-	-	-	-	-	-	-	-	-	-	-	-	-		-
GH GH1	GH GH1 WS 2022-05-10 N	2022-05-17 -		-		-	-	-	-		-	-		-	-	-		_
GH GH1	GH GH1 WS 2022-05-30 N	2022-05-30 -		_		-	-	-	_	-	_	-	_	_	_	-		_
GH GH1	GH GH1 WS 2022-06-06 N	2022-06-06 -	< 0.010	< 0.000050	0.0115	71.8	0.00103	0.00636	1.5	82.6	< 0.000010	2.12	0.134	< 0.000010	< 0.00010	< 0.00030	0.00421	0.0059
GH GH1	GH GH1 WS 2022-06-13 N	2022-06-14 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-17_N	2022-06-17 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-18_N	2022-06-18 -	-	-	-	-	-	-	-	-	-	ı	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-19_N	2022-06-19 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-20_N	2022-06-20 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

			[Dissolv	ed Metals					
Sample	Sample	Sample Date	Hardness	Aluminum		Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper
Location	ID	(mm/dd/yyyy)	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Acute	Chronic							Acute				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a 0	.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Greenhills Operation																
GH_GH1	GH_GH1_WS_2022-06-21_N	2022-06-21	-	-		-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-22_N	2022-06-22	-	-		-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-27_N	2022-06-27	-	-		-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-07-04_N	2022-07-04	-	-		-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_FOX3_WS_2022-07-04_N	2022-07-04	-	0.00203333	33	0.00026	0.00016333	0.03726667	< 0.020	< 0.000050	0.01	7.16667E-05	70.68	< 0.00010	< 0.10	0.000386667
GH_GH1	GH_GH1_WS_2022-07-11_N	2022-07-11	-	-		-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-08-01_N	2022-08-04	-	< 0.0010		0.00048	0.00023	0.0586	< 0.020	< 0.000050	0.012	0.000094	151	< 0.00010	< 0.10	0.00041
GH_GH1	GH_GH1_WS_2022-09-05_N	2022-09-06	-	< 0.0010		0.000435	0.00018	0.04235	< 0.020	< 0.000050	0.0115	0.000063	156	< 0.00010	< 0.10	0.00023
GH_GH1	GH_GH1_WS_2022-10-03_N	2022-10-03	-	0.0012		0.00045	0.0002	0.0465	< 0.020	< 0.000050	< 0.010	0.0000735	175	< 0.00010	< 0.10	0.00045
GH_GH1	GH_GH1_WS_2022-11-07_N	2022-11-03	-	< 0.0010		0.0004	0.00016	0.0443	< 0.020	< 0.000050	< 0.010	< 0.0050	170	< 0.00010	< 0.10	0.00029
GH_GH1	GH_GH1_WS_2022-11-07_N_CALC	2022-11-07	-	< 0.0010		0.00043	0.00017	0.0453	< 0.020	< 0.000050	< 0.010	0.000054	185	< 0.00010	< 0.10	< 0.00020
GH_GH1	GH_GH1_WS_2022-11-10_N	2022-11-10	-	< 0.0010		0.00038	0.00018	0.0452	< 0.020	< 0.000050	< 0.010	0.0000071	138	< 0.00010	< 0.10	< 0.00020
GH_GH1	GH_FOX1_WS_2022-11-17_FD	2022-11-17	-	< 0.0010		0.0003	0.00014333	0.031	< 0.020	< 0.000050	< 0.010	0.00006	112.7	0.00010333	< 0.10	0.000216667
GH_LC1	GH_LC1_WS_2022-06_06_N	2022-06-19	-	0.0023		0.00042	0.00025	0.0693	< 0.020	< 0.000050	0.021	0.0000322	83.2	< 0.00010	0.00014	0.00063
GH_LC1	GH_LC1_WS_2022-06-20_N	2022-06-20	-	0.0027		0.00031	0.00022	0.0764	< 0.020	< 0.000050	0.021	0.0000282	67.3	0.0001	0.00011	0.00064
GH_PC1	GH_PC1_WS_2022-08-01_N	2022-08-08	-	0.0012		< 0.00010	0.00021	0.0948	< 0.020	< 0.000050	< 0.010	0.0000306	104	0.00034	< 0.10	< 0.00020
GH_PC1	GH_PC1_WS_SESMP_2022-08_N	2022-08-17	-	0.0019		< 0.00010	0.00022	0.0846	< 0.020	< 0.000050	< 0.010	0.0000288	104	0.00027	< 0.10	< 0.00020
GH_PC1	GH_PC1_DS_WS_2022-08-24_NP	2022-08-24	-	0.0018		< 0.00010	0.00025	0.0836	< 0.020	< 0.000050	< 0.010	0.0000292	105	0.00025	< 0.10	< 0.00020
GH_PC1	GH_PC1_DS_WS_2022-08-25_NP	2022-08-25	-	< 0.0010		< 0.00010	0.00023	0.0857	< 0.020	< 0.000050	< 0.010	0.000026	102	0.00026	< 0.10	< 0.00020
GH_PC1	GH_PC1_DS_WS_2022-08-26_NP	2022-08-26	-	0.0011		< 0.00010	0.00022	0.0868	< 0.020	< 0.000050	< 0.010	0.00026	108	0.00028	< 0.10	< 0.00020
GH_PC1	GH_PC1_DS_WS_2022-08-27_NP	2022-08-27	-	< 0.0010		< 0.00010	0.0002	0.0784	< 0.020	< 0.000050	< 0.010	0.0000242	93	0.00029	< 0.10	< 0.00020
GH_PC1	GH_PC1_DS_WS_2022-08-28_NP	2022-08-28	-	< 0.0010		< 0.00010	0.00022	0.0741	< 0.020	< 0.000050	< 0.010	0.0000181	90.8	0.00026	< 0.10	< 0.00020
GH_TC2	GH_TC2_WS_2022-01-03_N	2022-01-12	-	0.0012		0.00017	0.00014	0.0595	< 0.020	< 0.000050	0.02	0.0000258	215	< 0.00010	< 0.00010	0.00034
GH_TC2	GH_TC2_WS_2022-02-07_N	2022-02-08	-	0.0019		0.00016	0.00016	0.0653	< 0.020	< 0.000050	0.021	0.000023	224	0.00299	< 0.00010	0.00035
GH_TC2	GH_TC2_WS_2022-03-07_N	2022-03-08	-	0.0015		0.00016	0.00015	0.061	< 0.020	< 0.000050	0.019	0.0000177	226	< 0.00010	< 0.10	0.00021
GH_TC2	GH_TC2_WS_2022-03-14_N	2022-03-17	-	-		-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-03-20_N	2022-03-20	-	-		-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-03-21_N	2022-03-23	-	-		-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-03-28_N	2022-03-31	-	- 0.0050		-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-04-04_N	2022-04-06	-	0.0056		0.00014	0.00017	0.0742	< 0.020	< 0.000050	0.02	0.0000238	147	0.00013	< 0.10	0.00064
GH_TC2	GH_TC2_WS_2022-04-11_N	2022-04-12	-	-		-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-04-18_N	2022-04-21	-	-		-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-04-25_N	2022-04-27	-	0.0030		- 0.00012	- 0.00018	- 0.0603	- 0.000	- 0.000050	- 0.010	- 0.000004	- 00.0	- 0.00040	- 0.40	- 0.00040
GH_TC2	GH_TC2_WS_2022-05-02_N	2022-05-04	-	0.0038		0.00013	0.00018	0.0603	< 0.020	< 0.000050	0.018	0.0000204	98.8	< 0.00010	< 0.10	0.00042
GH_TC2	GH_TC2_WS_2022-05-09_N	2022-05-11	-	-		-	-	-	-	-	-	-	 -	-	-	- -
GH_TC2	GH_TC2_WS_2022-05-16_N GH_TC2_WS_2022-05-23_N	2022-05-18	-	-		-	-	-	-	-	-	<u>-</u>	-	-	-	-
GH_TC2		2022-05-27	-	-		-	-	-	-	-	-	-	-	-	- -	-
GH_TC2	GH_TC2_WS_2022-05-30_N	2022-06-01	-	0.0013		0.00040	0.00047	- 0.0626	- 0.000	- 0.000050	0.040	- 0.0000165	- 110	- 0.00040	- 0.40	0.00032
GH_TC2	GH_TC2_WS_2022-06-06_N	2022-06-08	-			0.00016	0.00017	0.0626	< 0.020	< 0.000050	0.019		118		< 0.10	1
GH_TC2 GH_TC2	GH_TC2_WS_2022-06-13_N GH_TC2_WS_2022-06-20_N	2022-06-15	-	-		-	-	-	-	-	-	-	-	-	-	-
GH_TC2		2022-06-22	-	-		-	-	-	-	-	-	<u>-</u>	-	-	-	-
GH_TC2 GH_TC2	GH_TC2_WS_2022-06-27_N GH_TC2_WS_2022-07-04_N		-	0.0031		0.00014	0.00022	0.0771	< 0.020	< 0.000050	0.025	0.0000217	127	< 0.00010	- 0.10	0.00041
GH_TC2 GH_TC2	GH_TC2_WS_2022-07-04_N GH_TC2_WS_2022-07-11_N	2022-07-06 2022-07-13	-	0.0031		0.00014	0.00022	0.0771	< 0.020	< 0.000050	0.025	0.0000217	127	< 0.00010	< 0.10	0.00041
GH_TC2 GH_TC2	GH_TC2_WS_2022-07-11_N GH_TC2_WS_2022-08-01_N	2022-07-13	-	0.0012		0.00025	0.00024	0.077	< 0.020	< 0.000050	0.025	0.0000109	162	< 0.00010	< 0.10	0.00031
GH_TC2	GH_TC2_WS_2022-08-01_N GH_TC2_WS_SESMP_2022-08_N	2022-08-03	-	< 0.0012		0.00025	0.00024	0.077	< 0.020	< 0.000050	0.025	0.0000109	226	< 0.00010	< 0.10	0.00031
GH_TC2	GH_TC2_WS_SESMP_2022-08_N GH_TC2_WS_2022-09-05_N	2022-08-22	-			0.0003	0.00024	0.0672	< 0.020	< 0.000050	0.028	0.0000096	-	< 0.00010	< 0.10	0.00036
GH_TC2	GH_TC2_WS_2022-09-05_N GH_TC2_WS_2022-09-14_N	2022-09-08	-	0.0017		0.0003	0.00021	0.0568	< 0.020	< 0.000050	0.03	0.000068	261	< 0.00010	< 0.10	0.00021
GH_TC2	GH_TC2_WS_2022-09-14_N GH_TC2_WS_2022-09-21_N	2022-09-14	-	< 0.0017		0.0003	0.00021	0.0601	< 0.020	< 0.000100	0.03	< 0.0100	234	< 0.00010	< 0.10	< 0.00021
GH_TC2	GH_TC2_WS_2022-09-21_N GH_TC2_WS_2022-09-22_N	2022-09-21	-	< 0.0020		0.00031	0.00022	0.0601	< 0.040	< 0.000100	0.028	< 0.0100	234		< 0.20	< 0.00040
GII_IGZ	GII_102_VV3_ZUZZ-U3-ZZ_IV	2022-03-22		<u> \ 0.0020</u>		0.00020	0.00022	0.001	<u> </u>	<u> </u>	0.020	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	234	> 0.00020	\ U.ZU	× 0.00040

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals							
Sample	Sample	Sample Date	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	r I	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Greenhills Operation	CH CHA WC 2022 20 24 N	0000 00 04				ı	ı		1	ı	1	ı	1		ı		1	
GH_GH1 GH_GH1	GH_GH1_WS_2022-06-21_N GH_GH1_WS_2022-06-22_N	2022-06-21 - 2022-06-22 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-22_N GH_GH1_WS_2022-06-27_N	2022-06-22 -	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
GH GH1	GH GH1 WS 2022-07-04 N	2022-00-27 -		_		_					-		-		_	-	 	_
GH GH1	GH FOX3 WS 2022-07-04 N	2022-07-04 -	< 0.010	< 0.000050	0.0071	43.46833333		0.004653333	1.026666667	44.98333333	3 < 0.000010	1.37	0.084066667	< 0.000010	< 0.00010	< 0.00030	0.002506667	0.0037
GH GH1	GH GH1 WS 2022-07-11 N	2022-07-11 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH GH1	GH GH1 WS 2022-08-01 N	2022-08-04 -	< 0.010	< 0.000050	0.0159	136	0.00074	0.00942	2.27	139	< 0.000010	2.56	0.179	< 0.000010	< 0.00010	< 0.00030	0.00768	< 0.0010
GH_GH1	GH_GH1_WS_2022-09-05_N	2022-09-06 -	< 0.010	< 0.000050	0.0166	146	0.00055	0.00867	2.215	172	< 0.000010	2.395	0.187	< 0.000010	< 0.00010	< 0.00030	0.00827	< 0.0010
GH_GH1	GH_GH1_WS_2022-10-03_N	2022-10-03 -	< 0.010	< 0.000050	0.0178	169	0.00051	0.00876	2.52	190	< 0.000010	2.52	0.212	< 0.000010	< 0.00010	< 0.00030	0.0092	< 0.0010
GH_GH1	GH_GH1_WS_2022-11-07_N	2022-11-03 -	< 0.010	< 0.000050	0.0168	158	0.0006	0.00813	2.43	211	< 0.000010	2.47	0.192	< 0.000010	< 0.00010	< 0.00030	0.00805	< 0.0010
GH_GH1	GH_GH1_WS_2022-11-07_N_CALC	2022-11-07 -	< 0.010	< 0.000050	0.0169	163	0.00051	0.00825	2.51	186	< 0.000010	2.61	0.2	< 0.000010	< 0.00010	< 0.00030	0.00833	< 0.0010
GH_GH1	GH_GH1_WS_2022-11-10_N	2022-11-10 -	< 0.010	< 0.000050	0.0174	152	0.00041	0.00792	2.59	218	< 0.000010	2.42	0.174	< 0.000010	< 0.00010	< 0.00030	0.0076	< 0.0010
GH_GH1	GH_FOX1_WS_2022-11-17_FD	2022-11-17 -	< 0.010	< 0.000050	0.012933333	105.0016667		0.005813333	1.78	145.6833333	3 < 0.000010	1.87	0.1304	< 0.000010	< 0.00010	< 0.00030	0.005456667	< 0.0010
GH_LC1	GH_LC1_WS_2022-06_06_N	2022-06-19 -	< 0.010	< 0.000050	0.0436	43.6	0.00673	0.0112	1.87	65.1	< 0.000010	10.4	0.278	< 0.000010	< 0.00010	< 0.00030	0.00303	< 0.0010
GH_LC1	GH_LC1_WS_2022-06-20_N	2022-06-20 -	< 0.010	< 0.000050	0.0277	29.8	0.00716	0.00616	1.51	30.3	< 0.000010	8.06	0.231	< 0.000010	< 0.00010	< 0.00030	0.00177	< 0.0010
GH_PC1	GH_PC1_WS_2022-08-01_N	2022-08-08 -	< 0.010	< 0.000050	0.0074	84.9	0.00052	0.00131	1.16	69.4	< 0.000010	0.826	0.139	0.000012	< 0.00010	< 0.00030	0.00555	0.006
GH_PC1	GH_PC1_WS_SESMP_2022-08_N	2022-08-17 -	< 0.010	< 0.000050	0.0075	80.6	0.00064	0.00121	1.05	80.1	< 0.000010	0.775	0.137	0.000011	< 0.00010	< 0.00030	0.00504	0.006
GH_PC1 GH_PC1	GH_PC1_DS_WS_2022-08-24_NP GH_PC1_DS_WS_2022-08-25_NP	2022-08-24 - 2022-08-25 -	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0078 0.0078	81.1 75.3	0.00066 0.00059	0.00127 0.00119	1.07 1.09	72.5 84.9	< 0.000010 < 0.000010	0.789 0.804	0.135 0.136	0.000012 0.000012	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00495 0.00502	0.0073 0.008
GH_PC1	GH PC1 DS WS 2022-08-25 NP	2022-08-26 -	< 0.010	< 0.000050	0.0076	79.1	0.00059	0.00119	1.09	81.1	< 0.000010	0.804	0.131	0.000012	< 0.00010	< 0.00030	0.00302	0.0062
GH PC1	GH PC1 DS WS 2022-08-27 NP	2022-08-27 -	< 0.010	< 0.000050	0.0074	74.1	0.0006	0.00119	0.996	67.7	< 0.000010	0.748	0.131	< 0.000012	< 0.00010	< 0.00030	0.00444	0.0051
GH PC1	GH PC1 DS WS 2022-08-28 NP	2022-08-28 -	< 0.010	< 0.000050	0.0066	72.3	0.00053	0.00108	0.962	67.7	< 0.000010	0.727	0.117	< 0.000010	< 0.00010	< 0.00030	0.00427	0.005
GH TC2	GH TC2 WS 2022-01-03 N	2022-01-12 -	< 0.010	< 0.000050	0.0291	132	0.00414	0.004	1.94	144	< 0.000010	9.89	0.586	< 0.000010	< 0.00010	< 0.00030	0.00556	< 0.0010
GH TC2	GH TC2 WS 2022-02-07 N	2022-02-08 -	0.017	< 0.000050	0.0292	130	0.00622	0.00473	1.92	132	< 0.000010	10.7	0.559	< 0.000010	< 0.00010	< 0.00030	0.0059	0.0044
GH TC2	GH TC2 WS 2022-03-07 N	2022-03-08 -	< 0.010	< 0.000050	0.0295	132	0.00719	0.00388	1.89	145	< 0.000010	10.4	0.547	< 0.000010	0.00037	< 0.00030	0.00614	< 0.0010
GH_TC2	GH_TC2_WS_2022-03-14_N	2022-03-17 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-03-20_N	2022-03-20 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-03-21_N	2022-03-23 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-03-28_N	2022-03-31 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-04-04_N	2022-04-06 -	0.016	0.00007	0.0189	77.2	0.00748	0.00287	1.68	68.2	< 0.000010	7.98	0.371	< 0.000010	0.00016	< 0.00030	0.00287	0.0033
GH_TC2	GH_TC2_WS_2022-04-11_N	2022-04-12 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-04-18_N	2022-04-21 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-04-25_N	2022-04-27 -	- 0.044		- 0.0425	-	-	-	- 4.05	-			- 0.000	- 0.000010	-	-	- 0.00044	
GH_TC2	GH_TC2_WS_2022-05-02_N	2022-05-04 -	0.011	< 0.000050	0.0135	53.7	0.0028	0.00182	1.35	52.4	< 0.000010	5.76	0.306	< 0.000010	< 0.00010	< 0.00030	0.00211	< 0.0010
GH_TC2 GH_TC2	GH_TC2_WS_2022-05-09_N GH_TC2_WS_2022-05-16_N	2022-05-11 -	-	-	-	-	-	-	- -	-	 -	-	-	-	-	-	 -	- -
GH_TC2	GH_TC2_WS_2022-05-16_N GH_TC2_WS_2022-05-23_N	2022-05-18 -	-	 	-	<u>-</u>	-	-	-	-	-	-	-	-	-	-	 	-
GH TC2	GH TC2 WS 2022-05-25_N	2022-06-01 -	-	 		-			-	-	-		 	-	-	-	 	-
GH TC2	GH TC2 WS 2022-06-06 N	2022-06-08 -	< 0.010	< 0.000050	0.0225	75.7	0.00195	0.00363	1.43	86.4	< 0.000010	6.69	0.39	< 0.000010	< 0.00010	< 0.00030	0.00327	< 0.0010
GH TC2	GH TC2 WS 2022-06-13 N	2022-06-05 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-06-20_N	2022-06-22 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-06-27_N	2022-06-29 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-07-04_N	2022-07-06 -	< 0.010	< 0.000050	0.0234	78.4	0.00338	0.00411	1.6	78.3	< 0.000010	7.11	0.4	< 0.000010	< 0.00010	< 0.00030	0.00311	< 0.0010
GH_TC2	GH_TC2_WS_2022-07-11_N	2022-07-13 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-08-01_N	2022-08-03 -	< 0.010	< 0.000050	0.0325	122	0.00345	0.0055	2.08	125	< 0.000010	7.63	0.474	< 0.000010	< 0.00010	< 0.00030	0.00516	< 0.0010
GH_TC2	GH_TC2_WS_SESMP_2022-08_N	2022-08-22 -	< 0.010	< 0.000050	0.046	190	0.00254	0.00738	2.7	201	< 0.000010	9.97	0.567	< 0.000010	< 0.00010	< 0.00030	0.00772	< 0.0010
GH_TC2	GH_TC2_WS_2022-09-05_N	2022-09-08 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-09-14_N	2022-09-14 -	< 0.010	< 0.000050	0.0524	188	0.00114	0.00788	2.92	250	< 0.000010	10.6	0.64	< 0.000010	< 0.00010	< 0.00030	0.00841	0.0011
GH_TC2	GH_TC2_WS_2022-09-21_N	2022-09-21 -	< 0.020	< 0.000100	0.0455	177	0.00128	0.00758	2.59	187	< 0.000020	9.9	0.587	< 0.000020	< 0.00020	< 0.00060	0.00811	< 0.0020
GH_TC2	GH_TC2_WS_2022-09-22_N	2022-09-22 -	< 0.020	< 0.000100	0.0443	176	0.00098	0.00783	2.6	196	< 0.000020	9.98	0.587	< 0.000020	< 0.00020	< 0.00060	0.00809	< 0.0020

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolve	ed Metals						
Sample Location	Sample ID	Sample Date (mm/dd/yyyy)		mg Mg	/L :E	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		g/Lin	Calcium Mg/L	mg/L	Cobalt Cobalt	te mb Copper
			,	Acut	Chro							Acut	Chro				Acu
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a	0.00002-0.00173 ^a	n/a	n/a	n/a	BLMe
Greenhills Operation																	
GH_TC2	GH_TC2_WS_2022-09-23_N	2022-09-23	-	0.00		0.00027	0.0002	0.0586	< 0.020	< 0.000050	0.026		00078	226	< 0.00010	< 0.10	0.00023
GH_TC2	GH_TC2_WS_2022-09-24_N	2022-09-24	-	< 0.0		< 0.00020	< 0.00020	0.0552	< 0.040	< 0.000100	0.023		00143	216	< 0.00020	< 0.20	< 0.00040
GH_TC2	GH_TC2_WS_2022-09-25_N	2022-09-25	-	< 0.0		< 0.00020	0.00028	0.0563	< 0.040	< 0.000100	0.025		0100	239	< 0.00020	< 0.20	< 0.00040
GH_TC2	GH_TC2_WS_2022-09-26_N	2022-09-26	-	< 0.0		< 0.00020	< 0.00020	0.0572	< 0.040	< 0.000100	0.025		0100	231	< 0.00020	< 0.20	< 0.00040
GH_TC2	GH_TC2_WS_2022-09-27_N	2022-09-27	-	< 0.0		0.00031	0.00021	0.0674	< 0.020	< 0.000050	0.026		00074	254	< 0.00010	< 0.10	0.00029
GH_TC2	GH_TC2_WS_2022-10-03_N	2022-10-05	-	0.00		0.00027	0.00022	0.0672	< 0.020	< 0.000050	0.025		00087	247	< 0.00010	< 0.10	0.00023
GH_TC2	GH_TC2_WS_2022-11-07_N	2022-11-09	-	< 0.0		0.00022	0.00021	0.0671	< 0.020	< 0.000050	0.022		00122	239	< 0.00010	< 0.10	< 0.00020
GH_WC1	GH_FOX1_WS_2022-01-03_N	2022-01-11	-	< 0.0		0.00072	0.00016	0.04049333	< 0.020	< 0.000050	0.019333		33E-05	211	< 0.00010	0.000147	0.000836667
GH_WC1	GH_FOX2_WS_2022-02-07_N	2022-02-07	-	< 0.0		0.00076333	< 0.00020	0.04163333	< 0.040	< 0.000100	0.019333		33E-05	201.4	< 0.00020	< 0.00020	< 0.00040
GH_WC1	GH_FOX2_WS_2022-03-07_N	2022-03-09	-	0.00		0.00068333	< 0.00020	0.04063333	< 0.040	< 0.000100	0.018667		00225	205	< 0.00020	< 0.20	0.000366667
GH_WC1	GH_WC1_WS_2022-03-14_N	2022-03-16	-	0.00		0.00092	0.00022	0.0627	< 0.040	< 0.000100	0.025		00214	296	< 0.00020	< 0.20	< 0.00040
GH_WC1	GH_WC1_WS_2022-03-21_N	2022-03-23	-	0.00		0.00091	0.00016	0.06	< 0.020	< 0.000050	0.023		00313	267	< 0.00010	0.00012	0.00034
GH_WC1	GH_WC1_WS_2022-03-28_N	2022-03-30	-	0.00		0.00065	0.00016	0.0649	< 0.020	< 0.000050	0.018		00032	169	< 0.00010	0.00013	0.00047
GH_WC1	GH_WC1_WS_2022-04-04_N	2022-04-05	-	0.00		0.00068	0.00017	0.0668	< 0.020	< 0.000050	0.017		00365	182	< 0.00010	0.00017	0.00087
GH_WC1	GH_WC1_WS_2022-04-11_N	2022-04-13	-	0.00		0.00082	0.0002	0.0711	< 0.020	< 0.000050	0.019		00377	213	< 0.00010	0.0002	0.00062
GH_WC1	GH_WC1_WS_2022-04-18_N	2022-04-20	-	0.00		0.00088	0.00016	0.0663	< 0.020	< 0.000050	0.02		00434	238	< 0.00010	0.00019	0.00037
GH_WC1	GH_WC1_WS_2022-04-25_N	2022-04-26	-	0.0		0.00085	0.00017	0.0691	< 0.020	< 0.000050	0.021		00037	223	< 0.00010	0.00017	0.00046
GH_WC1	GH_WC1_WS_2022-05-02_N	2022-05-03	-	0.00		0.0009	0.00019	0.0714	< 0.020	< 0.000050	0.022		00368	249	< 0.00010	0.00019	0.00041
GH_WC1	GH_WC1_WS_2022-05-09_N	2022-05-10	-	0.00)32	0.0009	0.00019	0.077	< 0.020	< 0.000050	0.024		00332	254	< 0.00010	0.00021	0.00064
GH_WC1	GH_WC1_WS_2022-05-16_N	2022-05-17	-	< 0.0		0.00105	0.0002	0.0714	< 0.020	< 0.000050	0.023		00323	316	< 0.00010	0.00022	0.00042
GH_WC1	GH_WC1_WS_2022-05-23_N	2022-05-25	-	< 0.0		0.00112	< 0.00020	0.0673	< 0.040	< 0.000100	0.023	0.00		305	< 0.00020	0.00023	0.00046
GH_WC1	GH_WC1_WS_2022-05-30_N	2022-05-31	-	0.0		0.00118	0.0002	0.0695	< 0.040	< 0.000100	0.027	0.00		308	< 0.00020	0.00024	0.00072
GH_WC1	GH_WC1_WS_2022-06-06_N	2022-06-07	-	0.00)22	0.00121	< 0.00020	0.0717	< 0.040	< 0.000100	0.026	0.00	00226	314	< 0.00020	0.00023	0.00047
GH_WC1	GH_WC1_WS_2022-06-13_N	2022-06-14	-	< 0.0	010	0.00095	0.00021	0.0709	< 0.020	< 0.000050	0.025	0.00	00355	262	< 0.00010	0.00018	0.00044
GH_WC1	GH_WC1_WS_2022-06-20_N	2022-06-22	-	< 0.0	020	0.00091	< 0.00020	0.0704	< 0.040	< 0.000100	0.026	0.00	00399	232	< 0.00020	< 0.20	< 0.00040
GH_WC1	GH_WC1_WS_2022-06-27_N	2022-06-29	-	0.00		0.00121	0.0002	0.0714	< 0.020	< 0.000050	0.027		00251	291	< 0.00010	0.0002	0.00045
GH_WC1	GH_FOX2_WS_2022-07-04_N	2022-07-05	-	0.0019	66667	0.00075333	0.00019333	0.05347	< 0.040	< 0.000100	0.020667	0.00	00321	180.4	< 0.00020	0.00017	0.001006667
GH_WC1	GH_WC1_WS_2022-07-11_N	2022-07-12	-	< 0.0	050	0.00128	< 0.00050	0.0655	< 0.100	< 0.000250	< 0.050	0.00	00324	287	< 0.00050	< 0.50	< 0.00100
GH_WC1	GH_WC1_WS_2022-08-01_N	2022-08-03	-	0.00)57	0.00156	< 0.00050	0.0589	< 0.100	< 0.000250	< 0.050	< 0.	0250	337	< 0.00050	< 0.50	< 0.00100
GH_WC1	GH_FOX2_WS_2022-09-05_N	2022-09-07	-	< 0.0	020	0.00103667	0.00017333	0.0345	< 0.040	< 0.000100	0.024	< 0.	0100	231.4	< 0.00020	0.000233	< 0.00040
GH_WC1	GH_WC1_WS_2022-09-12_N	2022-09-12	-	< 0.0	020	0.00154	0.00023	0.0505	< 0.040	< 0.000100	0.031	0.00	00128	361	< 0.00020	0.00031	< 0.00040
GH_WC1	GH_WC1_WS_2022-10-03_N	2022-10-04	-	< 0.0	020	0.00147	< 0.00020	0.0531	< 0.040	< 0.000100	0.03	< 0.	0100	390	< 0.00020	0.00026	< 0.00040
GH_WC1	GH_FOX2_WS_2022-11-07_N	2022-11-08	-	< 0.0	010	0.00083	0.00013667	0.03923333	< 0.020	< 0.000050	0.019667	1.356	67E-05	225	< 0.00010	0.000173	0.000353333

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

											Dissolve	ed Metals							
Sample Location	Sample ID	Sample Date (mm/dd/yyyy)	ਤ ਸੁੱਸ ਸੁੱਧ	<u>e</u> <u>e</u> mg/L	read mg/L	rithium mg/L	Magnesium Magnesium	Manganese	Nickel Mg/L	mg/L	Selenium pg/L	mg/L	Enipos mg/L	Ba 7/Strontium	mg/L	⊑ ⊢ mg/L	mg/L	mg/L	zuiz mg/L
				Acute															
BC WQG FWAL			n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Greenhills Operation								I .		1	I .		1	l l			1		
GH TC2	GH TC2 WS 2022-09-23 N	2022-09-23	-	< 0.010	< 0.000050	0.0465	174	0.00064	0.00713	2.56	224	< 0.000010	9.8	0.585	< 0.000010	< 0.00010	< 0.00030	0.0079	< 0.0010
GH_TC2	GH_TC2_WS_2022-09-24_N	2022-09-24	-	< 0.020	< 0.000100	0.0376	160	0.00076	0.007	2.34	154	< 0.000020	8.72	0.509	< 0.000020	< 0.00020	< 0.00060	0.00743	< 0.0020
GH_TC2	GH_TC2_WS_2022-09-25_N	2022-09-25	-	< 0.020	< 0.000100	0.0407	173	0.00091	0.00754	2.45	168	< 0.000020	9.67	0.558	< 0.000020	< 0.00020	< 0.00060	0.00826	< 0.0020
GH_TC2	GH_TC2_WS_2022-09-26_N	2022-09-26	-	< 0.020	< 0.000100	0.0397	167	0.00077	0.00802	2.4	167	< 0.000020	9.31	0.533	< 0.000020	< 0.00020	< 0.00060	0.00826	< 0.0020
GH_TC2	GH_TC2_WS_2022-09-27_N	2022-09-27	-	< 0.010	< 0.000050	0.0369	194	0.0008	0.00885	2.91	199	< 0.000010	11.1	0.645	< 0.000010	< 0.00010	< 0.00030	0.009	< 0.0010
GH_TC2	GH_TC2_WS_2022-10-03_N	2022-10-05	-	< 0.010	< 0.000050	0.0422	179	0.00293	0.00772	2.69	226	< 0.000010	10	0.56	< 0.000010	< 0.00010	< 0.00030	0.00749	< 0.0010
GH_TC2	GH_TC2_WS_2022-11-07_N	2022-11-09	-	< 0.010	< 0.000050	0.042	171	0.00333	0.00875	2.35	128	< 0.000010	9.69	0.681	< 0.000010	< 0.00010	< 0.00030	0.00849	< 0.0010
GH_WC1	GH_FOX1_WS_2022-01-03_N	2022-01-11	-	< 0.010	< 0.000050	0.090666667	142.0033	0.00063	0.039766667	3.41	173.6833333	< 0.000010	16.63766667	0.5824	1.53333E-05	< 0.00010	< 0.00030	0.009603333	0.0016
GH_WC1	GH_FOX2_WS_2022-02-07_N	2022-02-07	-	< 0.020	< 0.000100	0.084333333	141.6683333	0.000533333	0.0406	3.363333333	172.35	< 0.000020	16.58333333	0.576066667	< 0.000020	< 0.00020	< 0.00060	0.00957	< 0.0020
GH_WC1	GH_FOX2_WS_2022-03-07_N	2022-03-09	-	< 0.020	< 0.000100	0.083666667	136.6684333	0.000426667	0.036966667	3.18	156.35	< 0.000020	16.18333333	0.560403333	< 0.000020	< 0.00020	< 0.00060	0.009336667	< 0.0020
GH_WC1	GH_WC1_WS_2022-03-14_N	2022-03-16	-	< 0.020	< 0.000100	0.116	186	0.00058	0.0502	4.44	215	< 0.000020	21.9	0.797	< 0.000020	< 0.00020	< 0.00060	0.0119	< 0.0020
GH_WC1	GH_WC1_WS_2022-03-21_N	2022-03-23	-	< 0.010	< 0.000050	0.097	177	0.00062	0.046	4.19	215	< 0.000010	21.4	0.829	0.000014	< 0.00010	< 0.00030	0.013	0.0027
GH_WC1	GH_WC1_WS_2022-03-28_N	2022-03-30	-	< 0.010	< 0.000050	0.0656	89.9	0.00105	0.0198	2.81	124	< 0.000010	12.3	0.522	< 0.000010	< 0.00010	< 0.00030	0.00557	0.0019
GH_WC1	GH_WC1_WS_2022-04-04_N	2022-04-05	-	< 0.010	< 0.000050	0.0774	106	0.00053	0.0247	2.94	140	< 0.000010	14.3	0.537	< 0.000010	< 0.00010	< 0.00030	0.00683	0.0019
GH_WC1	GH_WC1_WS_2022-04-11_N	2022-04-13	-	< 0.010	0.000063	0.0917	129	0.0007	0.0322	3.48	192	< 0.000010	16.8	0.623	0.000011	< 0.00010	< 0.00030	0.00843	0.0026
GH_WC1	GH_WC1_WS_2022-04-18_N	2022-04-20	-	< 0.010	< 0.000050	0.11	147	0.00047	0.039	3.74	222	< 0.000010	18.2	0.675	0.000012	< 0.00010	< 0.00030	0.0104	0.0022
GH_WC1	GH_WC1_WS_2022-04-25_N	2022-04-26	-	< 0.010	< 0.000050	0.0991	136	0.00061	0.0374	3.59	209	< 0.000010	17.6	0.657	0.000012	< 0.00010	< 0.00030	0.00966	0.0023
GH_WC1	GH_WC1_WS_2022-05-02_N	2022-05-03	-	< 0.010	< 0.000050	0.106	154	0.00055	0.0464	4.2	250	< 0.000010	18.3	0.735	0.000015	< 0.00010	< 0.00030	0.0108	0.001
GH_WC1	GH_WC1_WS_2022-05-09_N	2022-05-10	-	< 0.010	< 0.000050	0.114	157	0.00093	0.0494	4.27	242	< 0.000010	19.3	0.7	0.000014	0.00013	< 0.00030	0.0111	0.0029
GH_WC1	GH_WC1_WS_2022-05-16_N	2022-05-17	-	< 0.010	< 0.000050	0.122	201	0.00068	0.0645	4.59	291	< 0.000010	22.1	0.804	0.000018	< 0.00010	< 0.00030	0.0134	0.001
GH_WC1	GH_WC1_WS_2022-05-23_N	2022-05-25	-	< 0.020	< 0.000100	0.13	218	0.0008	0.0754	5.09	292	< 0.000020	22.1	0.757	< 0.000020	< 0.00020	< 0.00060	0.014	< 0.0020
GH_WC1	GH_WC1_WS_2022-05-30_N	2022-05-31	-	< 0.020	< 0.000100	0.154	231	0.00079	0.0771	5.7	330	< 0.000020	23.5	0.828	0.000026	< 0.00020	< 0.00060	0.0157	0.004
GH_WC1	GH_WC1_WS_2022-06-06_N	2022-06-07	-	< 0.020	< 0.000100	0.15	239	0.00088	0.0777	5.66	318	< 0.000020	23.1	0.868	< 0.000020	< 0.00020	< 0.00060	0.0161	< 0.0020
GH_WC1	GH_WC1_WS_2022-06-13_N	2022-06-14	-	< 0.010	< 0.000050	0.113	194	0.00107	0.0575	4.72	292	< 0.000010	21.3	0.738	0.000018	< 0.00010	< 0.00030	0.0128	0.0014
GH_WC1	GH_WC1_WS_2022-06-20_N	2022-06-22	-	< 0.020	< 0.000100	0.108	158	0.00064	0.0444	3.69	203	< 0.000020	16	0.61	< 0.000020	< 0.00020	< 0.00060	0.0103	< 0.0020
GH_WC1	GH_WC1_WS_2022-06-27_N	2022-06-29	- 1	< 0.010	< 0.000050	0.14	204	0.00072	0.0631	5	299	< 0.000010	21.3	0.744	0.000015	< 0.00010	< 0.00030	0.0136	0.0017
GH_WC1	GH_FOX2_WS_2022-07-04_N	2022-07-05	-	< 0.020	< 0.000100	0.073	122.0016667	0.00097	0.0379	3.103333333	176.35	< 0.000020	13.01566667	0.4754	< 0.000020	< 0.00020	< 0.00060	0.008303333	0.002466667
GH_WC1	GH_WC1_WS_2022-07-11_N	2022-07-12	-	< 0.050	< 0.000250	0.159	222	0.00104	0.0813	5.38	298	< 0.000050	23.3	0.793	< 0.000050	< 0.00050	< 0.00150	0.0167	< 0.0050
GH_WC1	GH_WC1_WS_2022-08-01_N	2022-08-03	-	< 0.050	< 0.000250	0.192	269	0.00122	0.1	6.53	371	< 0.000050	26.3	0.895	< 0.000050	< 0.00050	< 0.00150	0.0182	0.0065
GH_WC1	GH_FOX2_WS_2022-09-05_N	2022-09-07	- 7	< 0.020	< 0.000100	0.145	208.6683333	0.000676667	0.0685	4.603333333	252.6833333	< 0.000020	19.48333333	0.539066667	2.13333E-05	< 0.00020	< 0.00060	0.01297	< 0.0020
GH_WC1	GH_WC1_WS_2022-09-12_N	2022-09-12	-	< 0.020	< 0.000100	0.208	308	0.00096	0.101	6.77	460	< 0.000020	28.8	0.907	0.000029	< 0.00020	< 0.00060	0.0203	< 0.0020
GH_WC1	GH_WC1_WS_2022-10-03_N	2022-10-04	-	< 0.020	< 0.000100	0.205	332	0.00103	0.1	7.23	424	< 0.000020	30.4	0.956	0.000027	< 0.00020	< 0.00060	0.0196	< 0.0020
GH_WC1	GH_FOX2_WS_2022-11-07_N	2022-11-08		< 0.010	< 0.000050	0.122666667	178.335	0.000643333	0.044666667	3.86	176.6833333	< 0.000010	17.88333333	0.630733333	0.000016	< 0.00010	< 0.00030	0.011336667	< 0.0010

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

									Dissolv	ed Metals					
Sample	Sample	Sample Date	Hardness	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				Acute							Acute				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a 0.005-0	0.05 ^a n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Line Creek Operation	LC DODG WG O4 2022 N	2000 04 05	1 1	0.0048	0.00050	0.00000	0.007	10.000	ı	1	0.000258	107	- 0 00040	1	< 0.00020
LC_DCDS LC_DCDS	LC_DCDS_WS_Q1-2022_N LC_DCDS_WS_2022-01-10_N	2022-01-05 2022-01-12	-	0.0048	0.00052 0.00052	0.00029 0.00027	0.237 0.226	< 0.020 < 0.020	< 0.000050	< 0.010	0.000256	127 123	< 0.00010 < 0.00010	_	0.00020
LC_DCDS	LC_DCDS_WS_2022-01-10_N LC_DCDS_WS_2022-01-17_N	2022-01-12	-	0.0023	0.00052	0.00027	0.253	< 0.020	< 0.000050	< 0.010	0.000247	136	< 0.00010		
LC_DCDS	LC_DCDS_WS_2022-01-17_N LC_DCDS_WS_2022-01-24_N	2022-01-19	-	0.0019	0.00057	0.00027	0.235	< 0.020	< 0.000050	< 0.010	0.000261	127	< 0.00010	< 0.00010	0.00026
LC DCDS	LC DCDS WS 2022-01-24 N	2022-01-20	H	0.0070	0.00057	0.00028	0.232	< 0.020	< 0.000050	< 0.010	0.000274	135	< 0.00010	< 0.00010	0.00026
LC DCDS	LC DCDS MNT 2022-02-08 N	2022-02-01	_	0.0022	0.00058	0.00029	0.252	< 0.020	< 0.000050	< 0.010	0.000271	149	< 0.00010	< 0.00010	0.00024
LC DCDS	LC DCDS WS 2022-02-14 N	2022-02-15	-	0.0027	0.00058	0.0003	0.238	< 0.020	< 0.000050	< 0.010	0.000271	138	< 0.00010	< 0.00010	0.00029
LC DCDS	LC DCDS WS 2022-02-21 N	2022-02-22	-	0.0024	0.00055	0.00028	0.248	< 0.020	< 0.000050	< 0.010	0.000243	141	< 0.00010	< 0.00010	0.0002
LC_DCDS	LC_DCDS_WS_2022-02-28_N	2022-03-01	-	0.0021	0.00057	0.0003	0.257	< 0.020	< 0.000050	0.01	0.000221	131	< 0.00010	< 0.00010	< 0.00020
LC_DCDS	LC_DCDS_WS_2022-03-07_N	2022-03-08	-	0.0022	0.00055	0.0003	0.25	< 0.020	< 0.000050	< 0.010	0.000251	136	0.00013	< 0.00010	< 0.00020
LC_DCDS	LC_DCDS_WS_2022-03-14_N	2022-03-15	-	0.0021	0.00056	0.00029	0.251	< 0.020	< 0.000050	< 0.010	0.000261	132	< 0.00010	< 0.00010	0.0002
LC_DCDS	LC_DCDS_WS_2022-03-21_N	2022-03-23	-	0.0019	0.00056	0.00031	0.223	< 0.020	< 0.000050	< 0.010	0.000254	150	< 0.00010	< 0.10	< 0.00020
LC_DCDS	LC_DCDS_WS_2022-03-28_N	2022-03-30	-	0.00225	0.0003	0.00019	0.06705	< 0.020	< 0.000050	< 0.010	0.0000725	35.73	< 0.00010	< 0.10	0.000255
LC_DCDS	LC_DCDS_WS_Q2-2022_N	2022-04-06	-	0.0036	0.00051	0.00026	0.132	< 0.020	< 0.000050	< 0.010	0.000153	73.6	< 0.00010	< 0.10	0.00036
LC_DCDS	LC_DCDS_WS_2022-04-11_N	2022-04-12	-	0.0033	0.00048	0.00029	0.143	< 0.020	< 0.000050	< 0.010	0.000138	63.1	< 0.00010	< 0.10	0.00032
LC_DCDS	LC_DCDS_WS_2022-04-18_N	2022-04-17	-	0.0026	0.00052	0.00029	0.142	< 0.020	< 0.000050	< 0.010	0.000165	77	< 0.00010	< 0.10	0.00027
LC_DCDS	LC_DCDS_WS_2022-04-25_N	2022-04-24	-	0.0036	0.00057	0.0003	0.125	< 0.020	< 0.000050	< 0.010	0.000173	75.2	< 0.00010	< 0.10	0.00025
LC_DCDS LC_DCDS	LC_DCDS_MNT_2022-05-03_N LC_DCDS_WS_2022-05-09_N	2022-05-03 2022-05-11	-	0.0042 0.0034	0.00062 0.00065	0.0003	0.115 0.125	< 0.000020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	0.000171 0.00017	66.2 70.8	< 0.00010 < 0.00010	< 0.00010 < 0.10	0.0004 0.00031
LC_DCDS	LC_DCB3_W3_2022-05-09_N LC_CC3_WS_2022-05-16_N	2022-05-11	-	0.01385	0.000645		0.125	< 0.020	< 0.000050	< 0.010	0.00017	49.62	0.00010	0.00011	0.000545
LC_DCDS	LC DCDS WS 2022-05-16 N	2022-05-17	-	0.01303	0.00063	0.00033	0.133	< 0.020	< 0.000050	< 0.010	0.000173	73.4	0.000143	< 0.10	0.000343
LC DCDS	LC CC3 WS 2022-05-30 N	2022-05-24	-	0.0036	0.000655		0.125	< 0.020	< 0.000050	0.01	0.0001795	68.8	< 0.00011	< 0.10	0.00033
LC DCDS	LC DCDS MNT 2022-06-07 N	2022-06-07	_	0.0033	0.00066	0.0003	0.12	< 0.020	< 0.000050	< 0.010	0.000182	71.8	< 0.00010	< 0.10	0.00045
LC DCDS	LC DCDS WS 2022-06-13 N	2022-06-14	-	0.0026	0.00062	0.00028	0.116	< 0.020	< 0.000050	< 0.010	0.000204	83.2	< 0.00010	< 0.10	0.00029
LC DCDS	LC DCDS WS 2022-06-17 N	2022-06-17	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_DCDS	LC_DCDS_WS_2022-06-17_NP1	2022-06-17	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_DCDS	LC_DCDS_WS_2022-06-19_N	2022-06-19	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_DCDS	LC_CC3_WS_2022-06-20_N	2022-06-21	-	0.00455	0.00082	0.000325	0.1105	< 0.020	< 0.000050	0.01	0.000153	57.65	< 0.00010	0.000165	0.000405
LC_DCDS	LC_DCDS_WS_2022-06-27_N	2022-06-28	-	0.0038	0.0007	0.00037	0.134	< 0.020	< 0.000050	< 0.010	0.000199	67.7	< 0.00010	0.00011	0.00046
LC_DCDS	LC_DCDS_WS_Q3-2022_N	2022-07-07	-	0.0037	0.00063	0.00028	0.15	< 0.020	< 0.000050	0.011	0.000196	82.4	< 0.00010	< 0.10	0.00031
LC_DCDS	LC_CC3_WS_2022-07-11_N	2022-07-12	-	0.00305	0.000665		0.1575	< 0.020	< 0.000050	0.0115	0.0002125	90.5	< 0.00010	< 0.10	0.00043
LC_DCDS	LC_DCDS_WS_2022-07-18_N	2022-07-18	-	0.003	0.00074	0.00036	0.159	< 0.020	< 0.000050	0.013	0.000246	98.2	< 0.00010	< 0.10	0.00188
LC_DCDS	LC_DCDS_WS_2022-07-25_N	2022-07-25	-	0.0028	0.0008	0.00034	0.162	< 0.020	< 0.000050	0.012	0.000226	97.9	0.0001	0.00011	0.00038
LC_DCDS LC DCDS	LC_CC3_MNT_2022-08-02_N	2022-08-02	-	0.0024 0.0073	0.000675	0.000355	0.1775 0.188	< 0.020	< 0.000050	0.012	0.0002655 0.000246	103.5	< 0.00010	< 0.10	0.00041 0.00023
LC_DCDS LC DCDS	LC_DCDS_WS_2022-08-08_N LC_DCDS_WS_SESMP_2022-08_N	2022-08-09 2022-08-18	-	0.0073	0.00065 0.00067	0.00029	0.188	< 0.020 < 0.020	< 0.000050 < 0.000050	0.011 0.011	0.000246	113	0.00013 < 0.00010	< 0.10 < 0.10	0.00023
LC_DCDS LC DCDS	LC DCDS_WS_SESMP_2022-08_N LC DCDS_WS_2022-08-22_N	2022-08-18	+ -	0.002	0.00067	0.00031	0.197	< 0.020	< 0.000050	0.011	0.000302	61.53	0.00075	0.0001	0.00042
LC_DCDS	LC_DCDS_WS_2022-08-22_N LC_DCDS_WS_2022-08-29_N	2022-08-30	+	0.007	0.0006	0.00034	0.190	< 0.020	< 0.000050	0.012	0.000290	60.03			0.0003
LC DCDS	LC DCDS MNT 2022-09-06 N	2022-09-06		< 0.0010	0.0007	0.00037	0.206	< 0.020	< 0.000050	0.012	0.00019	138	< 0.00010	_	0.00024
LC DCDS	LC DCDS WS 2022-09-12 N	2022-09-13	- 1	0.0023	0.00061	0.00029	0.242	< 0.020	< 0.000050	0.012	0.000312	136	< 0.00010		0.00024
LC_DCDS	LC_DCDS_WS_2022-09-19_N	2022-09-20	-	0.002	0.00062	0.00032	0.214	< 0.020	< 0.000050	0.011	0.000293	134	< 0.00010		0.00061
LC_DCDS	LC_DCDS_WS_2022-09-26_N	2022-09-27	-	0.002	0.0007	0.00033	0.234	< 0.020	< 0.000050	0.011	0.00033	76.53	< 0.00010	_	0.00022
LC_DCDS	MORTALITY PKG 8	2022-10-04	_	< 0.0010	0.00067	0.00036	0.226	< 0.020	< 0.000050	0.011	0.000354	143	< 0.00010	< 0.10	0.00026
LC_DCDS	LC_DCDS_MORTALITY_2022-10-05_N	2022-10-05	-	0.0016	0.00065	0.00036	0.217	< 0.020	< 0.000050	0.011	0.000322	142	0.00014	< 0.10	< 0.00020
LC_DCDS	LC_DCDS_MORTALITY_2022-10-06_N	2022-10-06	-	0.0015	0.00065	0.00037	0.235	< 0.020	< 0.000050	0.011	0.000339	146	< 0.00010	< 0.10	0.00025
LC_DCDS	LC_DCDS_MORTALITY_2022-10-07_N	2022-10-07	-	< 0.0010	0.00061	0.00028	0.199	< 0.020	< 0.000050	0.011	0.000315	142	< 0.00010	< 0.10	< 0.00020
LC_DCDS	LC_DCDS_WS_2022-10-10_N	2022-10-11	-	0.0014	0.00065	0.00027	0.226	< 0.020	< 0.000050	0.012	0.000324	150	< 0.00010		0.00021
LC_DCDS	LC_CC3_WS_2022-10-17_N	2022-10-18	-	0.002	0.000635	_	0.224	< 0.020	< 0.000050	0.01	0.0003295	154	< 0.00010		< 0.00020
LC_DCDS	LC_DCDS_WS_2022-10-24_N	2022-10-25	-	0.0014	0.00062	0.00031	0.227	< 0.020	< 0.000050	0.011	0.000322	154	< 0.00010		< 0.00020
LC_DCDS	LC_SPDC_WS_2022-10-31_N	2022-11-01	-	0.0015	0.00064	0.00035	0.212	< 0.020	< 0.000050	0.01	0.000358	150	< 0.00010	< 0.10	0.00033

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	red Metals							
Sample	Sample	Sample Date H	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Ë	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Line Creek Operation	1.0. DODO 1110. 04.0000 N	1 0000 04 05 1	0.010		2.24		0.00400	0.0400			1 . 0 000010		0.001	0.000047	ı	0.00000	0.0000	0.0000
LC_DCDS	LC_DCDS_WS_Q1-2022_N	2022-01-05 -	< 0.010	- 0.000050	0.04	47.5 46.7	0.00126	0.0126	2.72 2.65	84.3	< 0.000010	8.58	0.221 0.225	0.000017	0.00010	< 0.00030	0.0028	0.0092
LC_DCDS LC_DCDS	LC_DCDS_WS_2022-01-10_N LC_DCDS_WS_2022-01-17_N	2022-01-12 - 2022-01-19 -	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0399	52.8	0.00168 0.00126	0.0116 0.0124	2.05	71.9 79.1	< 0.000010 < 0.000010	8.73 9.64	0.225	0.000016 0.000016	0.00019 < 0.00010	< 0.00030 < 0.00030	0.00261 0.0029	0.0181 0.0096
LC_DCDS	LC DCDS_WS_2022-01-17_N LC DCDS_WS_2022-01-24_N	2022-01-19 -	< 0.010	< 0.000050	0.0426	48.4	0.00120	0.0124	2.74	78.1	< 0.000010	8.36	0.215	0.000016	< 0.00010	< 0.00030	0.0029	0.0089
LC DCDS	LC DCDS WS 2022-01-24 N	2022-01-20 -	0.012	< 0.000050	0.0300	52.2	0.00132	0.0113	2.86	82.4	< 0.000010	8.95	0.213	0.000015	< 0.00010	< 0.00030	0.00203	0.0096
LC DCDS	LC DCDS MNT 2022-02-08 N	2022-02-09 -	< 0.012	< 0.000050	0.0424	54.9	0.00132	0.012	2.93	85.4	< 0.000010	8.8	0.236	0.000016	< 0.00010	< 0.00030	0.00291	0.0095
LC DCDS	LC DCDS WS 2022-02-14 N	2022-02-15 -	< 0.010	< 0.000050	0.0372	50.1	0.00148	0.0118	2.9	78.5	< 0.000010	8.64	0.218	0.000016	0.00059	< 0.00030	0.00277	0.0099
LC_DCDS	LC_DCDS_WS_2022-02-21_N	2022-02-22 -	< 0.010	< 0.000050	0.0381	52.4	0.00122	0.0112	2.84	90	< 0.000010	8.55	0.219	0.000016	< 0.00010	< 0.00030	0.00285	0.0081
LC_DCDS	LC_DCDS_WS_2022-02-28_N	2022-03-01 -	< 0.010	< 0.000050	0.0391	48.6	0.00117	0.0097	3.21	74.2	< 0.000010	8.36	0.223	0.000017	< 0.00010	< 0.00030	0.00292	0.0087
LC_DCDS	LC_DCDS_WS_2022-03-07_N	2022-03-08 -	< 0.010	< 0.000050	0.0385	51.7	0.00096	0.0103	2.92	85.6	< 0.000010	8.51	0.222	0.000015	< 0.00010	< 0.00030	0.00317	0.0086
LC_DCDS	LC_DCDS_WS_2022-03-14_N	2022-03-15 -	< 0.010	< 0.000050	0.0379	51.4	0.00124	0.0109	3.02	78	< 0.000010	8.45	0.228	0.000016	< 0.00010	< 0.00030	0.00325	0.008
LC_DCDS	LC_DCDS_WS_2022-03-21_N	2022-03-23 -	< 0.010	< 0.000050	0.0379	55.9	0.00108	0.00994	2.82	78.8	< 0.000010	7.74	0.22	0.000015	< 0.00010	< 0.00030	0.00295	0.0074
LC_DCDS	LC_DCDS_WS_2022-03-28_N	2022-03-30 -	< 0.010	< 0.000050	0.0117	12.9525	0.00177	0.003415	1.055	16.225	< 0.000010	1.965	0.0541	0.0000105	< 0.00010	< 0.00030	0.000755	0.0033
LC_DCDS	LC_DCDS_WS_Q2-2022_N	2022-04-06 -	< 0.010	< 0.000050	0.0198	28.4	0.00108	0.00705	1.91	33.3	< 0.000010	3.82	0.11	0.000012	< 0.00010	< 0.00030	0.00152	0.0067
LC_DCDS	LC_DCDS_WS_2022-04-11_N	2022-04-12 -	< 0.010	< 0.000050	0.0179	25.6	0.00066	0.00663	1.74	30	< 0.000010	3.18	0.0966	< 0.000010	< 0.00010	< 0.00030	0.0013	0.0052
LC_DCDS	LC_DCDS_WS_2022-04-18_N	2022-04-17 -	< 0.010	< 0.000050	0.0215	32	0.00066	0.00778	2.08	41	< 0.000010	4.1	0.123	0.000011	< 0.00010	< 0.00030	0.00172	0.0058
LC_DCDS	LC_DCDS_WS_2022-04-25_N	2022-04-24 -	< 0.010	< 0.000050	0.0202	28.6	0.00087	0.00827	1.97	39.7	< 0.000010	3.65	0.108	0.000015	< 0.00010	< 0.00030	0.00166	0.0069
LC_DCDS LC_DCDS	LC_DCDS_MNT_2022-05-03_N	2022-05-03 - 2022-05-11 -	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0156 0.0166	25 27.7	0.00121 0.00115	0.00807 0.00892	1.92 1.81	35.1 36.6	< 0.000010 < 0.000010	2.72 3.24	0.099 0.106	0.000014 0.000014	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00133 0.00139	0.0073 0.0067
LC_DCDS	LC_DCDS_WS_2022-05-09_N LC_CC3_WS_2022-05-16_N	2022-05-17 -	0.023	0.0000515	0.01845	19.30166667	0.00113	0.00892	1.456666667	39.7	< 0.000010	2.346666667	0.100	0.000014	0.00010	0.00030	0.00139	0.00705
LC DCDS	LC DCDS WS 2022-05-10 N	2022-05-17 -	< 0.023	< 0.0000513	0.0198	27.9	0.00237	0.009293	1.98	43.8	< 0.000010	3.42	0.1173	0.000014	< 0.0002	< 0.00030	0.00103	0.00763
LC DCDS	LC CC3 WS 2022-05-30 N	2022-05-31 -	< 0.010	< 0.000050	0.0190	25.8	0.0011	0.00939	2.025	38.7	< 0.000010	2.765	0.113	0.000014	< 0.00010	< 0.00030	0.001435	0.0066
LC DCDS	LC DCDS MNT 2022-06-07 N	2022-06-07 -	< 0.010	< 0.000050	0.0174	28.3	0.00179	0.0103	1.9	41	< 0.000010	3.15	0.102	0.0000116	< 0.00010	< 0.00030	0.00144	0.0079
LC DCDS	LC DCDS WS 2022-06-13 N	2022-06-14 -	< 0.010	< 0.000050	0.0203	28.7	0.00177	0.0116	2.12	45.3	< 0.000010	3.49	0.13	0.000013	< 0.00010	< 0.00030	0.00148	0.0087
LC DCDS	LC DCDS WS 2022-06-17 N	2022-06-17 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC DCDS	LC DCDS WS 2022-06-17 NP1	2022-06-17 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC DCDS	LC DCDS WS 2022-06-19 N	2022-06-19 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
LC_DCDS	LC_CC3_WS_2022-06-20_N	2022-06-21 -	< 0.010	< 0.000050	0.01235	21.85	0.0026	0.00773	1.94	32.4	< 0.000010	2.195	0.08615	0.0000125	< 0.00010	< 0.00030	0.00115	0.00545
LC_DCDS	LC_DCDS_WS_2022-06-27_N	2022-06-28 -	< 0.010	< 0.000050	0.0167	26.5	0.00156	0.0105	2.09	42	< 0.000010	2.97	0.105	0.000016	< 0.00010	< 0.00030	0.00151	0.0072
LC_DCDS	LC_DCDS_WS_Q3-2022_N	2022-07-07 -	< 0.010	< 0.000050	0.0214	32	0.00131	0.0113	2.07	50.4	< 0.000010	3.7	0.125	0.000016	< 0.00010	< 0.00030	0.0015	0.0082
LC_DCDS	LC_CC3_WS_2022-07-11_N	2022-07-12 -	< 0.010	< 0.000050	0.023	34.3	0.0013	0.01205	2.315	55.2	< 0.000010	4.36	0.139	0.0000165	< 0.00010	< 0.00030	0.001685	0.0082
LC_DCDS	LC_DCDS_WS_2022-07-18_N	2022-07-18 -	< 0.010	< 0.000050	0.0262	37.4	0.00134	0.0142	2.6	68.2	< 0.000010	5.07	0.16	0.00002	< 0.00010	< 0.00030	0.00208	0.0097
LC_DCDS	LC_DCDS_WS_2022-07-25_N	2022-07-25 -	< 0.010	< 0.000050	0.0285	39.3	0.00128	0.0135	2.61	71.6	< 0.000010	5.31	0.165	0.000023	< 0.00010	< 0.00030	0.00213	0.0067
LC_DCDS	LC_CC3_MNT_2022-08-02_N	2022-08-02 -	< 0.010	< 0.000050	0.02925	39	0.001495	0.01435	2.66	78.3	< 0.000010	6.03	0.1725	0.00002	< 0.00010	< 0.00030	0.00213	0.0104
LC_DCDS	LC_DCDS_WS_2022-08-08_N	2022-08-09 -	< 0.010	< 0.000050	0.0334	45.3	0.00168	0.0147	2.63	76.2	< 0.000010	6.71	0.181	0.00002	< 0.00010	< 0.00030	0.0023	0.0111
LC_DCDS L	_C_DCDS_WS_SESMP_2022-08_N LC_DCDS_WS_2022-08-22_N	2022-08-18 - 2022-08-23 -	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0352 0.0355	47.3 24.9525	0.00201 0.00246	0.0156 0.016	2.77 1.425	94.4 86.3	< 0.000010 < 0.000010	7.28 3.925	0.191 0.193	0.000019	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00258 0.00249	0.0108 0.011
LC_DCDS LC DCDS	LC_DCDS_WS_2022-06-22_N LC_DCDS_WS_2022-08-29_N	2022-08-30 -	< 0.010	< 0.000050	0.0333	27.0525	0.00246	0.016	1.425	90.6	< 0.000010	3.73	0.193	0.00002	< 0.00010	< 0.00030	0.00249	0.011
LC DCDS	LC DCDS_WS_2022-00-29_N LC DCDS_MNT_2022-09-06_N	2022-09-06 -	< 0.010	< 0.000050	0.0433	53.8	0.00178	0.0134	2.81	109	< 0.000010	7.65	0.196	0.000021	< 0.00010	< 0.00030	0.00273	0.0061
LC DCDS	LC DCDS WS 2022-09-12 N	2022-09-00 -	< 0.010	< 0.000050	0.036	52.9	0.00158	0.0161	2.93	97.7	< 0.000010	8.56	0.208	0.00002	< 0.00010	< 0.00030	0.00266	0.0116
LC DCDS	LC DCDS WS 2022-09-19 N	2022-09-20 -	< 0.010	< 0.000050	0.037	54.6	0.00177	0.0158	3.11	103	< 0.000010	8.85	0.222	0.00002	< 0.00010	< 0.00030	0.00279	0.0115
LC_DCDS	LC_DCDS_WS_2022-09-26_N	2022-09-27 -	< 0.010	< 0.000050	0.0435	27.9025	0.00168	0.0167	1.495	112	< 0.000010	4.65	0.22	0.00002	< 0.00010	< 0.00030	0.00311	0.0129
LC_DCDS	MORTALITY PKG 8	2022-10-04 -	< 0.010	< 0.000050	0.047	51.8	0.00174	0.0173	3.12	112	< 0.000010	9.29	0.232	0.00002	< 0.00010	< 0.00030	0.00309	0.0114
LC_DCDS LC	C_DCDS_MORTALITY_2022-10-05_N	2022-10-05 -	< 0.010	< 0.000050	0.0422	55.9	0.00176	0.0168	2.96	110	< 0.000010	9.42	0.234	0.000017	< 0.00010	< 0.00030	0.003	0.0127
LC_DCDS LC	C_DCDS_MORTALITY_2022-10-06_N	2022-10-06 -	< 0.010	< 0.000050	0.0405	52.6	0.00175	0.0161	2.95	107	< 0.000010	9.6	0.222	0.000019	< 0.00010	< 0.00030	0.00325	0.0128
	C_DCDS_MORTALITY_2022-10-07_N	2022-10-07 -	< 0.010	< 0.000050	0.0413	51	0.0018	0.0151	3.16	127	< 0.000010	10	0.222	0.000018	< 0.00010	< 0.00030	0.00275	0.011
LC_DCDS	LC_DCDS_WS_2022-10-10_N	2022-10-11 -	< 0.010	< 0.000050	0.0447	56.3	0.0017	0.0168	3.18	118	< 0.000010	10.1	0.235	0.000019	< 0.00010	< 0.00030	0.00311	0.0126
LC_DCDS	LC_CC3_WS_2022-10-17_N	2022-10-18 -	< 0.010	< 0.000050	0.0466	58.4	0.001545	0.01735	3.165	110.5	< 0.000010	10.75	0.238	0.000021	< 0.00010	< 0.00030	0.003345	0.01325
LC_DCDS	LC_DCDS_WS_2022-10-24_N	2022-10-25 -	< 0.010	< 0.000050	0.0471	57.4	0.00148	0.0168	3.07	108	< 0.000010	10.8	0.243	0.000021	< 0.00010	< 0.00030	0.00344	0.013
LC_DCDS	LC_SPDC_WS_2022-10-31_N	2022-11-01 -	< 0.010	< 0.000050	0.0461	57.2	0.00165	0.0176	3.19	122	< 0.000010	10.7	0.245	0.000023	< 0.00010	< 0.00030	0.00343	0.0126

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

Sumple S											Dissolve	ed Metals					
Semple S				dness	minum		mony	ənic	ш n	/Ilium	nuth	uo	mium	ium	omium	alt	per
Company Comp	Sample	Sample	Sample Date	larc	in a		∆nti	\rse	3ari	Φ	Sisr	30rc	Cad	Salc	ř	Çop	do
15 CHOO FPAIL 10 CHOO FPAI	•				mg/L		mg/L	mg/L	mg/L		_				_		
Record Prints Record Print			1		_	nic		J			<u> </u>		i i				i ji
					Acute	Chror							Acute				Acute
C C C C C C C C C C	BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
C C C C C C C C C C			T										0.00040				0.00000
C C C C C C C C C C	_		_														
C C C C C C C C C C	_		_														
C C C C C C C C C C	_			-													
C. C. C. C. C. C. C. C.			_														
C C C C C C C C C C			_)											
Col.	_		_	-													
CLC	_		_	-	-										-		
CL CL CL CL CL CL CL CL			_	 -	-		-		-	-	-		-	-	-	-	-
LC_LCPS_LCC_LCL_CL_CV_S_2022-6-13_N				<u> </u>		7	0.00015	0.00012	0.020	- 0.020	- 0.000050		0.000100	67.1	0.00012	0.00012	0.00031
LC LCT2 LC LCT2 W2 2022-06-20 N 7022-06-27 N 7022-06-2			_	- -		r								07.1			
LC LC LC LC LC LC LC LC			_	-	-					1	-			-	-		
LC LC LC LC LC LC LC LC				-				-		-	_			-	_		
LG (CISSLOC LC (CIDSSLCC WS 2022-07-14) N 2022-07-15 - < 0.00010 0.0002 < 0.00010 0.0065 < 0.020 0.000111 120 0.00012 < 0.00010			_	-				0.00012		< 0.020	< 0.000050			61.5	0.00014		
CLCDSSLCC LCCDSSLCC WS 2022-01-10 N 2022-01-04 - < 0.00101 0.00018 < 0.00010 0.0008 - 0.00010 0.00018 - 0.00010 0.00010 - < 0.0001019 - < 0.0001019 - < 0.0001019 - < 0.0001019 - < 0.0001019 - < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < < 0.0001019 - < < 0.0001019 - < < 0.0001019 - < < < 0.0001019 - < <	_		_	 				0.00012	0.0201		- 0.000030			01.5	0.00014		
CLCDSSLCC LCLDSSLCCW 502204-17 N 2022-01-17 < 0.00010 0.00018 < 0.00010 0.0002 < 0.000010 0.0002 < 0.0000000 0.00000000	_		_	 -		0		< 0.00010	0.0656	1				120	0.00012		
CLOSSICC LC LCDSSLCC W3 2022-01-17 202	_			<u> </u>													
LC CIOSSLCC LC (COSSLCC WS 2022-01-24 N 2022-02-26 - 0.0011 0.0002 < 0.00010 0.0798 < 0.000 < 0.00005 0.014 0.000111 124 0.00010 < 0.00010 < 0.00010			_	-													
CLICOSSLCC LCICOSSLCC WS 2022-01-131.N 2022-02-08 0.0011 0.0002 < 0.00010 0.0738 < 0.002 < 0.000009 0.014 0.000010 1.000011 1.000001 0.00002 CLICOSSLCC WS 2022-02-14 N 2022-02-15 0.00114 0.00011 < 0.00011 0.00021 < 0.00010 0.0705 < 0.020 < 0.000009 0.015 0.000107 127 < 0.00010 < 0.000010 < 0.000021 < 0.00010 < 0.000005 0.015 0.000107 127 < 0.00010 < 0.000010 < 0.000021 < 0.00010 < 0.000010 < 0.000021 < 0.00010 < 0.000010 < 0.000021 < 0.00010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010			_	 													
LC LCOSSLCC LC LCDSSLCC WS 2024-02-18 N 2022-02-18 L 0.0012 0.0019 < 0.00010 0.0739 < 0.020 < 0.000060 0.014 0.000001 127 < 0.00010 < 0.000010 < 0.00010				<u> </u>													
LC_LCDSSLCC	_		_	 													
LC LCDSSLCC LC LCDSSLCC WS 2022-02-18 N 2022-02-22 - 0.0018 0.00021 < 0.00010 0.079			_	-													
LC_LCDSSLCC				-				1									
LC LCDSSLCC LC LC LCSSLCC WS 2022-02-28 N 2022-03-01 - 0.0084 0.000215 - 0.074 < 0.020 < 0.000050 0.013 0.00013015 147 0.000945 < 0.00010 - 0.00021	_		_	-	0.0018	3	0.00021	< 0.00010	0.079	< 0.020	< 0.000050	0.015	0.000128		0.0001	< 0.00010	0.00034
C.			_	-	0.0084	1							0.00013015				
LC_LCDSSLCC	LC LCDSSLCC	LC LCDSSLCC WS 2022-02-28 N	2022-03-01	-	-		-	< 0.00010	-	-	-	-	-	-	-	-	< 0.00020
LC_LCDSSLCC	LC LCDSSLCC	LC LCDSSLCC MNT 2021-03-07 N	2022-03-08	-	< 0.001	0	0.00021	< 0.00010	0.0771	< 0.020	< 0.000050	0.013	0.000099	132	0.00016	< 0.00010	< 0.00020
LC_LCDSSLCC LC_LCDSSLCC WS_2022-93-8 N 2022-94-07 . 0.0031 0.00026 0.0001 0.0772 < 0.020 < 0.000050 0.016 0.000132 150 0.00014 < 0.10 0.00023 LC_LCDSSLCC WS_2022-2022 N 2022-94-11 N 2022-94-12 N	_		_	-	< 0.001	0							0.0000889				< 0.00020
LC_LOSSLCC LC_LOSSLCC_WS_2022-04-11 N 2022-04-11 - 0.001 0.0028 <0.00011 0.0614 <0.020 <0.000050 0.015 0.000161 135 0.00028 0.001 0.00024			2022-03-22	-	0.0022	2	0.00022		0.074	< 0.020	< 0.000050	0.015	0.000105	131	0.00053		< 0.00020
LC LCDSSLCC LC LCDSSLCC WS 2022-04-18 N 2022-04-19 - 0.0015 0.00024 <0.00010 0.0672 <0.020 <0.000050 0.015 0.000115 138 0.00013 <0.10 0.00024 LC LCDSSLCC LC LCDSSLCC WS 2022-04-25 N 2022-04-25 N 2022-04-25 - 0.0013 0.00023 <0.00010 0.0688 <0.020 <0.000050 0.014 0.000108 118 0.00021 <0.10 0.00023 LC LCDSSLCC LC LCDSSLCC MS 2022-04-25 N 2022-04-25 - 0.0013 0.00023 <0.00010 0.0681 <0.020 <0.000050 0.015 0.00011 121 0.00011 <0.00021 LC LCDSSLCC LC LCDSSLCC MNT 2022-05-03 N 2022-05-04 - <0.0010 0.0002 <0.00010 0.0033 <0.00011 0.0033 <0.00011 0.00013 0.00011 121 0.00014 LC LCDSSLCC LC LCDSSLCC WS 2022-05-09 N 2022-05-10 N 2022-05-11 - 0.00023 0.00019 0.00012 0.0003 0.0011 0.00011 0.00011 0.000111 0.000111 0.000111 0.000111 0.000111 0.000111 0.000111 0.000111 0.000111 0.000111 0.000111 0.000111 0.000111 0.000111 0.000111 0.000111 0.000111 0.000011 0.000011 0.000011 0.000011 0.000011 0.000011 0.000011 0.000011 0.000011 0.000011 0.00001	LC LCDSSLCC	LC LCDSSLCC WS 2022-03-28 N	2022-03-28	-	0.0031	1	0.00026	0.0001	0.0772	< 0.020	< 0.000050	0.016	0.000132	150	0.00014	< 0.10	0.00023
LC_LCDSSLCC LC_LCDSSLCC_WS_2022-04-18 N 2022-04-19 - 0.0015 0.00024 < 0.00010 0.0648 < 0.020 < 0.000050 0.014 0.000108 118 0.00021 < 0.10 0.00023	LC LCDSSLCC	LC LCDSSLCC WS Q2-2022 N	2022-04-07	-	0.0243	3	0.00026	0.00011	0.0614	< 0.020	< 0.000050	0.015	0.000161	135	0.00028	0.0001	0.0007
LC_LCDSSLCC LC_LCDSSLCC_WS_2022-04-18 N 2022-04-19 - 0.0015 0.00024 < 0.00010 0.0648 < 0.020 < 0.000050 0.014 0.000108 118 0.00021 < 0.10 0.00023		LC_LCDSSLCC_WS_2022-04-11_N	_	-	0.001				0.0672	< 0.020		0.015		138		< 0.10	0.00024
LC_LCDSSLCC			2022-04-19	-	0.0015	5	0.00024	< 0.00010	0.0648	< 0.020	< 0.000050	0.014	0.000108	118	0.00021	< 0.10	0.00023
LC_LCDSSLCC			_	-	0.0013	3			0.0681	< 0.020		0.015	0.00011	121		< 0.10	< 0.00020
LC_LCDSSLCC LC_LCDSSLCC_WS_2022-05-16_N 2022-05-27 - 0.0023 0.00019 0.00012 0.0439 <0.020 <0.000050 0.011 0.000141 86 0.00014 <0.10 0.00055	LC_LCDSSLCC	LC_LCDSSLCC_MNT_2022-05-03_N	2022-05-04		< 0.001	0	0.0002	< 0.00010	0.0538	< 0.020	< 0.000050	0.013	0.000119	107	0.0002	< 0.10	0.00028
LC_LCDSSLCC	LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-05-09_N	2022-05-09		< 0.001	0	0.00031	0.00012	0.0392	< 0.020	< 0.000050	0.011	0.000134	78.5	0.00012	< 0.10	0.00023
LC_LCDSSLCC LC_LCDSSLCC WS_2022-05-30 N 2022-06-06 - 0.00024 0.00018 0.00011 0.0334 < 0.020 < 0.000050 < 0.010 0.000149 63.8 0.00013 < 0.10 0.00029 LC_LCDSSLCC LC_LCDSSLCC MNT_2022-06-07 N 2022-06-06 - 0.0024 0.00015 0.00011 0.0271 < 0.020 < 0.000050 < 0.010 0.000133 55 0.00011 < 0.10 0.00028 LC_LCDSSLCC WS_2022-06-13 N 2022-06-14 - 0.0026 0.00016 0.00011 0.0276 < 0.020 < 0.000050 < 0.010 0.000164 51.9 0.00014 < 0.10 0.00031 LC_LCDSSLCC LC_LCUSWLC_WS_2022-06-20 N 2022-06-22 - < 0.0010 0.00036 0.00013 0.00222 < 0.020 < 0.000050 0.010 0.000374 LC_LCDSSLCC LC_LCUSWLC_WS_2022-06-27 N 2022-06-27 - 0.0021 0.00021 0.00011 0.0316 < 0.022 < 0.000050 0.010 0.00038 58.9 0.00014 < 0.00014 0.00019 0.00064 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-06-27 N 2022-06-27 - 0.0021 0.00011 0.0316 < 0.020 < 0.000050 < 0.010 0.000334 59.7 0.00012 < 0.10 0.00034 LC_LCDSSLCC LC_LCDSSLCC_WS_2032-07-15 N 2022-07-05 - 0.0017 0.00016 0.00012 0.0298 < 0.020 < 0.000050 < 0.010 0.00024 57.7 0.00018 < 0.10 0.00037 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-07-11 N 2022-07-11 - < 0.0010 0.00019 < 0.00019 < 0.00010 0.0335 < 0.020 < 0.000050 < 0.010 0.000273 66.8 0.00015 < 0.10 0.00027 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-07-18 N 2022-07-19 - 0.0014 0.00012 0.00012 0.0026 < 0.000050 0.012 0.000311 77 0.00017 < 0.10 0.00029 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-07-25 N 2022-07-26 - < 0.0010 0.00022 0.00011 0.0566 < 0.020 < 0.000050 0.013 0.000311 77 0.00017 < 0.10 0.00029 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-07-25 N 2022-07-26 - < 0.0010 0.00022 0.00011 0.0566 < 0.020 < 0.000050 0.014 0.00026 95.6 0.00015 < 0.10 0.00022 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-07-25 N 2022-08-09 - 0.0036 0.00024 0.00011 0.0604 < 0.020 < 0.000050 0.015 0.00050 0.015 0.00026 95.6 0.00015 < 0.10 0.00022	LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-05-16_N	2022-05-17	-	0.0023	3	0.00019	0.00012	0.0439	< 0.020	< 0.000050	0.011	0.000141	86	0.00014	< 0.10	0.00055
LC_LCDSSLCC LC_LCDSSLCC_MNT_2022-06-07_N 2022-06-06 - 0.0024 0.00015 0.00011 0.0271 < 0.020 < 0.00050 < 0.010 0.000133 55 0.00011 < 0.10 0.00028 LC_LCDSSLCC LC_LCDSSLCC WS_2022-06-13 N 2022-06-14 - 0.0026 0.0016 0.00011 0.0276 < 0.020	LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-05-23_N	2022-05-24	_	< 0.001	0	0.0002	< 0.00010	0.0434	< 0.020	< 0.000050	0.011	0.000141	90.5	0.00015	< 0.10	0.0002
LC_LCDSSLCC LC_LCDSSLCC_WS_2022-06-13 N 2022-06-14 - 0.0026 0.00016 0.00011 0.0276 < 0.020 < 0.000050 < 0.010 0.000164 51.9 0.00014 < 0.10 0.00031 LC_LCDSSLCC LC_LCUSWLC_WS_2022-06-20 N 2022-06-22 - < 0.0010 0.00036 0.00013 0.0222 < 0.020 < 0.000050 0.012 0.000378 58.9 0.00014 0.00019 0.0006 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-06-27 N 2022-06-27 - 0.0021 0.00021 0.00011 0.0316 < 0.020 < 0.000050 < 0.010 0.000234 59.7 0.00012 < 0.10 0.00043 LC_LCDSSLCC LC_LCDSSLCC_WS_2032-07-15 N 2022-07-05 - 0.0017 0.00016 0.00012 0.0298 < 0.020 < 0.000050 < 0.010 0.00024 57.7 0.00018 < 0.10 0.00037 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-07-11 N 2022-07-11 - < 0.0010 0.00019 < 0.00019 < 0.00010 0.0335 < 0.020 < 0.000050 < 0.010 0.000273 66.8 0.00015 < 0.10 0.00012 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-07-18 N 2022-07-19 - 0.0014 0.00012 0.00012 0.00012 0.00012 0.00050 0.012 0.00050 0.012 0.000311 77 0.00017 < 0.10 0.00122 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-07-25 N 2022-07-25 N 2022-07-26 - < 0.0010 0.00022 0.00011 0.00012 0.00014 0.0001 0.00050 0.013 0.000311 85 0.00014 < 0.10 0.00026 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-07-25 N 2022-07-26 - < 0.0010 0.00021 0.0001 0.00024 0.0001 0.0566 < 0.020 < 0.000050 0.014 0.00026 95.6 0.00015 < 0.10 0.00028 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-08-08 N 2022-08-09 - 0.0036 0.00024 0.0001 0.0604 < 0.020 < 0.000050 0.015 0.00050 0.015 0.00026 95.6 0.00015 < 0.10 0.00022		LC_LCDSSLCC_WS_2022-05-30_N	2022-05-31				0.00018	0.00011	0.0334	< 0.020	< 0.000050	< 0.010		63.8	0.00013	< 0.10	0.00029
LC_LCDSSLCC LC_LCUSWLC_WS_2022-06-20_N 2022-06-22 < 0.0010 0.00036 0.00013 0.0222_ < 0.020_ < 0.000050 0.012_ 0.000378 58.9 0.0014_ 0.00019_ 0.0006 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-06-27_N 2022-06-27 0.0021 0.00011_ 0.00011_ 0.00050 < 0.010_			2022-06-06				0.00015	0.00011	0.0271	< 0.020	< 0.000050	< 0.010		55	0.00011	< 0.10	
LC_LCDSSLCC LC_LCDSSLCC_WS_2022-06-27 N 2022-06-27 - 0.0021 0.00021 0.0011 0.0316 < 0.020 < 0.00050 < 0.010 0.000234 59.7 0.00012 < 0.10 0.00043 LC_LCDSSLCC LC_LCDSSLCC_WS_Q3-2022_N 2022-07-05 - 0.0017 0.00016 0.00012 0.0298 < 0.020		LC_LCDSSLCC_WS_2022-06-13_N		_			0.00016	0.00011	0.0276	< 0.020				51.9	0.00014		
LC_LCDSSLCC LC_LCDSSLCC_WS_Q3-2022_N 2022-07-05 - 0.0017 0.0016 0.0012 0.0298 < 0.020 < 0.00050 < 0.010 0.00024 57.7 0.0018 < 0.10 0.00037 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-07-11 N 2022-07-11 - < 0.0010			2022-06-22	_			0.00036	0.00013	0.0222	< 0.020	< 0.000050			58.9	0.00014	0.00019	0.0006
LC_LCDSSLCC LC_LCDSSLCC_WS_2022-07-11_N 2022-07-11 < 0.0010 0.00019_ < 0.00010_ 0.0335_ < 0.020_ < 0.00050_ < 0.010_ 0.000273 66.8 0.00015_ < 0.10_ 0.00122_ LC_LCDSSLCC LC_LCDSSLCC_WS_2022-07-18_N 2022-07-19 0.0014 0.00021_ 0.00012_ 0.020050_ 0.012_ 0.000311 77			_	_													
LC_LCDSSLCC LC_LCDSSLCC_WS_2022-07-18 N 2022-07-19 - 0.0014 0.00021 0.00012 0.026 < 0.020 < 0.00050 0.012 0.000311 77 0.00017 < 0.10 0.00029 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-07-25_N 2022-07-26 - < 0.0010			_	_										57.7			
LC_LCDSSLCC LC_LCDSSLCC_WS_2022-07-25_N 2022-07-26_O - < 0.0010 0.00022 0.0011 0.0491 < 0.020 < 0.00050 0.013 0.000311 85 0.0014 < 0.10 0.00026 LC_LCDSSLCC LC_LCDSSLCC_MNT_2022-08-02_N 2022-08-03_O - < 0.0010			_	-													
LC_LCDSSLCC LC_LCDSSLCC_MNT_2022-08-02_N 2022-08-03_N - < 0.0010 0.00021 0.0001 0.0566 < 0.020 < 0.00050 0.014 0.000265 91 0.0001 < 0.10 0.00028 LC_LCDSSLCC LC_LCDSSLCC_WS_2022-08-08_N 2022-08-09 - 0.0036 0.00024 0.00011 0.0604 < 0.020			_	-													
LC_LCDSSLCC LC_LCDSSLCC_WS_2022-08-08_N 2022-08-09 - 0.0036 0.00024 0.00011 0.0604 < 0.020 < 0.000050 0.015 0.000226 95.6 0.00015 < 0.10 0.00022				-													
LC_LCDSSLCC LC_LCDSSLCC_WS_2022-08-15_N 2022-08-16 - 0.0047 0.00022 0.00012 0.0631 < 0.020 < 0.000050 0.016 0.000199 98.9 0.00014 < 0.10 0.0002																	
	LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-08-15_N	2022-08-16		0.0047	7	0.00022	0.00012	0.0631	< 0.020	< 0.000050	0.016	0.000199	98.9	0.00014	< 0.10	0.0002

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissol	ved Metals							
Sample	Sample	Randle Date	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Ë	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Line Creek Operation	10.000 110.0000 10.01 11		0.010		0.0404	500	0.00440	0.010	0.07	110	1	0.05	0.000	1 0 000004	0.00040		0.00007	
LC_DCDS	LC_CC3_WS_2022-10-31_N		< 0.010	< 0.000050	0.0464	53.9	0.00142	0.016	2.97	116	< 0.000010	9.95	0.236	0.000021	< 0.00010	< 0.00030	0.00327	0.0116
LC_DCDS LC_DCDS	LC_DCDS_MNT_2022-11-08_N LC_DCDS_WS_2022-11-14_N		< 0.010 < 0.010	< 0.000050 < 0.000050	0.0469 0.0476	57.3 64.3	0.0021 0.00211	0.0155 0.0179	3.01 3.33	108 128	< 0.000010 < 0.000010	10.3 11.8	0.25 0.237	0.000018 0.000021	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00341 0.00371	0.0124 0.0136
LC_DCDS	LC_DCDS_WS_2022-11-14_N LC_DCDS_WS_2022-11-21_N		< 0.010	< 0.000050	0.0476	66.9	0.00211	0.0179	3.29	149	< 0.000010	11.5	0.25	0.000021	< 0.00010	< 0.00030	0.00371	0.0150
LC LC12	LC LC12 MNT 2022-05-03 N		< 0.010	< 0.000050	0.0400	55	< 0.00254	0.00742	1.34	51.7	< 0.000010	1.42	0.179	< 0.000019	< 0.00010	< 0.00030	0.00572	0.0076
LC LC12	LC LC12 WS 2022-05-09 N	2022-05-09 -	-	-	-	-		-	-	-		-	-	-	-	-	-	-
LC LC12	LC LC12 WS 2022-05-16 N	2022-05-18 -	-	-	-	_	-	-	-	_	_	_	-	-	-	-	_	-
LC LC12	LC LC12 WS 2022-05-23 N	2022-05-24 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_LC12	LC_LC12_WS_2022-05-30_N	2022-05-30 -	-	- 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_LC12	LC_LC12_MNT_2022-06-07_N	2022-06-06 -	< 0.010	< 0.000050	0.008	28.2	< 0.00010	0.00576	0.908	31.6	< 0.000010	0.773	0.121	< 0.000010	< 0.00010	< 0.00030	0.00301	0.0075
LC_LC12	LC_LC12_WS_2022-06-13_N	2022-06-13 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_LC12	LC_LC12_WS_2022-06-20_N	2022-06-20 -	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-
LC_LC12	LC_LC12_WS_2022-06-27_N	2022-06-27 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_LC12	LC_LC12_WS_Q3-2022_N		< 0.010	< 0.000050	0.0076	27.3	< 0.00010	0.00512	0.911	28.4	< 0.000010	0.75	0.107	< 0.000010	< 0.00010	< 0.00030	0.00286	0.0065
LC_LC12	LC_LC12_WS_2022-07-11_N	2022-07-13 -	-	-		-	-	-	-	-	-	-	-	-	-	-		
LC_LCDSSLCC	LC_LCDSSLCC_WS_Q1-2022_N		< 0.010	-	0.0487	57.4	0.00366	0.00419	1.52	46.6	< 0.000010	9.74	0.231	< 0.000010	-	< 0.00030	0.00385	0.0038
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-01-10_N		< 0.010	-	0.0469	55.3	0.0046	0.00423	1.52	40.3	< 0.000010	9.93	0.232	< 0.000010	-	< 0.00030	0.00396	0.0039
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-01-17_N		< 0.010	< 0.000050	0.0492	55	0.00418	0.00433	1.52	42.3	< 0.000010	10	0.228	< 0.000010	< 0.00010	< 0.00030	0.00395	0.0039
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-01-24_N		< 0.010 < 0.010	< 0.000050 < 0.000050	0.0443 0.0473	59 60.2	0.00368	0.00441 0.00441	1.59	43.3 43.3	< 0.000010	10.8	0.245	< 0.000010	0.00015	< 0.00030	0.00397 0.00388	0.0041
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2021-01-31_N LC_LCDSSLCC_MNT_2021-02-08_N		< 0.010	< 0.000050	0.0473	58.1	0.00397 0.00423	0.00441	1.54 1.66	43.8	< 0.000010 < 0.000010	11.3 11.1	0.241 0.236	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00366	0.0054 0.0043
LC_LCDSSLCC LC LCDSSLCC	LC LCDSSLCC WN 2021-02-06 N		< 0.010	< 0.000050	0.0493	59.4	0.00504	0.00417	1.72	47.4	< 0.000010	11.7	0.236	< 0.000010	< 0.00010	< 0.00030	0.00396	0.0043
LC LCDSSLCC	LC LCDSSLCC WC 2022-02-18 N	2022-02-13 -	-	-	-	66.4	-	-	1.56		- 0.000010	11.8	-	- 0.000010	- 0.00010	- 0.00030	-	-
LC LCDSSLCC	LC LCDSSLCC WS 2022-02-10 N		< 0.010	< 0.000050	0.0529	67.4	0.00584	0.00459	1.82	59.5	< 0.000010	12.7	0.268	< 0.000010	< 0.00010	< 0.00030	0.00438	0.006
LC LCDSSLCC	LC CC1 WS 2022-02-28 N	2022-03-01 -	-	-	0.05075	63	0.00598	0.0041	1.6	44.4	< 0.000010	11.75	0.2435	< 0.000010	-	< 0.00030	0.00366	0.02485
LC LCDSSLCC	LC LCDSSLCC WS 2022-02-28 N		< 0.010	< 0.000050	-	-	-	-	-	-	-	-	-	-	< 0.00010	-	-	-
LC LCDSSLCC	LC LCDSSLCC MNT 2021-03-07 N		< 0.010	< 0.000050	0.0482	60.1	0.00399	0.00389	1.7	49.2	< 0.000010	12	0.248	< 0.000010	< 0.00010	< 0.00030	0.00413	0.0039
LC LCDSSLCC	LC LCDSSLCC WS 2022-03-14 N		< 0.010	< 0.000050	0.0487	60	0.0038	0.00422	1.74	46.1	< 0.000010	12.3	0.259	< 0.000010	< 0.00010	< 0.00030	0.00413	0.0037
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-03-21_N	2022-03-22 -	< 0.010	< 0.000050	0.0526	63.4	0.00567	0.00461	1.8	52.5	< 0.000010	12.7	0.252	< 0.000010	< 0.00010	< 0.00030	0.00428	0.006
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-03-28_N	2022-03-28 -	< 0.010	< 0.000050	0.0544	70.7	0.0068	0.00539	1.97	57.4	< 0.000010	13.5	0.276	< 0.000010	< 0.00010	< 0.00030	0.00453	0.0067
LC_LCDSSLCC	LC_LCDSSLCC_WS_Q2-2022_N	2022-04-07 -	0.035	0.000122	0.0526	55.7	0.011	0.00495	1.67	51.7	< 0.000010	10.4	0.232	< 0.000010	0.00016	0.0003	0.00382	0.0814
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-04-11_N		< 0.010	< 0.000050	0.0555	59.3	0.00621	0.00507	1.67	50.6	< 0.000010	10.4	0.245	< 0.000010	< 0.00010	< 0.00030	0.00388	0.0047
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-04-18_N		< 0.010	< 0.000050	0.0492	56.4	0.00476	0.00432	1.57	51.1	< 0.000010	9.63	0.233	< 0.000010	< 0.00010	< 0.00030	0.00382	0.0041
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-04-25_N		< 0.010	< 0.000050	0.0529	54.8	0.00521	0.00442	1.55	48.4	< 0.000010	9.62	0.219	< 0.000010	< 0.00010	< 0.00030	0.0036	0.0041
LC_LCDSSLCC	LC_LCDSSLCC_MNT_2022-05-03_N		< 0.010	< 0.000050	0.0412	48	0.00293	0.00425	1.34	44.5	< 0.000010	7.18	0.205	< 0.000010	< 0.00010	< 0.00030	0.00338	0.0043
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-05-09_N		< 0.010	< 0.000050	0.0321	35.2	0.00243	0.00406	1.1	31.6	< 0.000010	5.26	0.17	< 0.000010	< 0.00010	< 0.00030	0.0027	0.0071
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-05-16_N		< 0.010	< 0.000050	0.0333	37.2	0.00261	0.00364	1.07	31.3	< 0.000010	5.46	0.184	< 0.000010	0.00013	< 0.00030	0.0027	0.0049
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-05-23_N LC_LCDSSLCC_WS_2022-05-30_N		< 0.010	< 0.000050 < 0.000050	0.0351 0.0215	39.2 27.1	0.00286 0.00181	0.00424 0.00368	1.13 0.98	30.3 23.8	< 0.000010 < 0.000010	5.72 3.55	0.177 0.126	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00284 0.00218	0.0052 0.0062
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-05-30_N LC_LCDSSLCC_MNT_2022-06-07_N		< 0.010	< 0.000050	0.0215	23.9	0.00181	0.00368	0.98	23.8	< 0.000010	2.7	0.126	< 0.000010	< 0.00010	< 0.00030	0.00218	0.0062
LC_LCDSSLCC LC LCDSSLCC	LC LCDSSLCC MN1 2022-06-07 N		< 0.010	< 0.000050	0.0172	20.7	0.00081	0.00329	0.762	17.7	< 0.000010	2.7	0.106	< 0.000010	< 0.00010	< 0.00030	0.00167	0.007
LC LCDSSLCC	LC LCUSWLC WS 2022-06-20 N		< 0.010	< 0.000050	0.0308	28.7	0.00017	0.00349	1.26	27.3	< 0.000010	4.22	0.134	< 0.000010	< 0.00010	< 0.00030	0.00101	0.0113
LC LCDSSLCC	LC LCDSSLCC WS 2022-06-27 N		< 0.010	< 0.000050	0.023	25.1	0.00074	0.00493	1.07	20.1	< 0.000010	3.41	0.121	< 0.000010	0.00018	< 0.00030	0.00214	0.0114
LC LCDSSLCC	LC LCDSSLCC WS Q3-2022 N		< 0.010	< 0.000050	0.0205	23.1	0.00087	0.00433	0.93	20	< 0.000010	3.15	0.121	< 0.000010	< 0.00010	< 0.00030	0.00179	0.0108
LC LCDSSLCC	LC LCDSSLCC WS 2022-07-11 N		< 0.010	< 0.000050	0.024	27.5	0.00112	0.00516	1.01	25.3	< 0.000010	3.83	0.139	< 0.000010	< 0.00010	< 0.00030	0.002	0.012
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-07-18_N		< 0.010	< 0.000050	0.0313	33.4	0.00115	0.00612	1.2	35	< 0.000010	4.81	0.169	< 0.000010	< 0.00010	< 0.00030	0.00267	0.0124
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-07-25_N		< 0.010	< 0.000050	0.0371	39.2	0.00054	0.00658	1.3	46.2	< 0.000010	5.56	0.188	0.000011	< 0.00010	< 0.00030	0.00282	0.013
LC_LCDSSLCC	LC_LCDSSLCC_MNT_2022-08-02_N		< 0.010	< 0.000050	0.0412	40.2	0.00266	0.00576	1.35	42.4	< 0.000010	6.58	0.198	< 0.000010	< 0.00010	< 0.00030	0.00292	0.0092
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-08-08_N	2022-08-09 -	< 0.010	< 0.000050	0.0446	45.1	0.00366	0.00568	1.36	42	< 0.000010	6.7	0.198	0.000012	< 0.00010	< 0.00030	0.00311	0.0089
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-08-15_N	2022-08-16 -	< 0.010	< 0.000050	0.0433	46.4	0.00413	0.00589	1.35	43.7	< 0.000010	7.03	0.201	< 0.000010	< 0.00010	< 0.00030	0.00326	0.0084

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolve	ed Metals					
			less	w i		lony	iic	E	ryllium	t)		in a	um	nium	t	er
			ardn	<u> </u>		l ii	rsen	arin	eryll	is mr	Pro	adm	Calcit	hror	obal	ddo
Sample Location	Sample ID	Sample Date (mm/dd/yyyy)		mo	<u>(</u>	—————————————————————————————————————	√ mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ග mg/L	mg/L	ග් mg/L	ග් mg/L
Location	ID .	(mm/aa/yyyy)	ilig/L	1119		IIIg/L	IIIg/L	IIIg/L	IIIg/L	mg/L	IIIg/L	<u> </u>	IIIg/L	IIIg/L	IIIg/L	
				Acute	Chronic							Acute				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a 0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Line Creek Operation		T				Т	1	ı	1	1	1	T			1	т
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-08-22_N	2022-08-23	-	0.00		- 0.000005	- 0.000405	- 0.00405	-		- 0.045	0.00019	- 400	- 0.00040		0.00022
LC_LCDSSLCC LC LCDSSLCC	LC_CC1_WS_2022-08-22_N LC LCDSSLCC WS 2022-08-29 N	2022-08-23 2022-08-30	-	0.00		0.000225 0.00022	0.000125 0.00012	0.06165 0.0563	< 0.020 < 0.020	< 0.000050 < 0.000050	0.015 0.014	0.00019	102 97.4	0.00042 0.00015	< 0.10 < 0.10	0.0002
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-08-29_N LC_LCDSSLCC_MNT_2022-09-06_N	2022-09-06	<u> </u>	< 0.0		0.00022	0.00012	0.062	< 0.020	< 0.000050	0.014	0.000268	107	0.00013	< 0.10	< 0.0002
LC LCDSSLCC	LC LCDSSLCC WS 2022-09-12 N	2022-09-13	 -	0.0		0.00022	0.00011	0.0636	< 0.020	< 0.000050	0.013	0.000120	105	0.00011	< 0.10	0.00023
LC LCDSSLCC	LC LCDSSLCC WS 2022-09-19 N	2022-09-19	_	< 0.0		-	-	-	-	-	-	-	-	-	-	-
LC LCDSSLCC	LC CC1 WS 2022-09-19 N	2022-09-19	-			0.000205	< 0.00010	0.06715	< 0.020	< 0.000050	0.014	0.000178	102.5	0.00012	< 0.10	< 0.00020
LC LCDSSLCC	LC LCDSSLCC WS 2022-09-26 N	2022-09-29	-	< 0.0	0010	0.00022	0.0001	0.0627	< 0.020	< 0.000050	0.015	0.000146	110	0.00014	< 0.10	< 0.00020
LC_LCDSSLCC	LC_CC2_WS_Q4-2022_N	2022-10-03	-	< 0.0	0010	0.00023	< 0.00010	0.0603	< 0.020	< 0.000050	0.014	0.000157	106.5	0.00011	< 0.10	< 0.00020
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-10-10_N	2022-10-11	-	< 0.0	010	-	-	-	-	-	-	-	-	-	-	-
LC_LCDSSLCC	LC_CC1_WS_2022-10-10_N	2022-10-11	-		•	0.00025	< 0.00010	0.06155	< 0.020	< 0.000050	0.016	0.0001725	112	< 0.00010	< 0.10	< 0.00020
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-10-17_N	2022-10-18	-	< 0.0		0.00011	< 0.00010	0.0674	< 0.020	< 0.000050	0.011	0.0000187	104	0.00014	< 0.10	< 0.00020
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-10-24_N	2022-10-25	-	< 0.0		0.00024	< 0.00010	0.064	< 0.020	< 0.000050	0.016	0.000161	120	0.00011	< 0.10	< 0.00020
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-10-31_N	2022-11-01	-	< 0.0		0.00024	0.0001	0.0686	< 0.020	< 0.000050	0.014	0.000156	121	0.00014	< 0.10	< 0.00020
LC_LCDSSLCC	LC_LCDSSLCC_MNT_2022-11-08_N	2022-11-08	-	0.0		0.00024	0.00013	0.065	< 0.020	< 0.000050	0.014	0.000153	117	0.00011	< 0.10	< 0.00020
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-11-14_N	2022-11-14	-	< 0.0		0.00028	0.00012	0.0635	< 0.020	< 0.000050	0.015	0.000164	120	0.00018	< 0.10	< 0.00020
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-11-21_N	2022-11-21	-	< 0.0		- 0.00000		- 0.00545	-		- 0.044	- 0.000459	445.5	- 0.00044		- 0.00000
LC_LCDSSLCC LC LCDSSLCC	LC_CC1_WS_2022-11-21_N LC LCDSSLCC WS 2022-11-28 N	2022-11-21 2022-11-28	-	< 0.0		0.00023 0.00022	< 0.00010 < 0.00010	0.06545 0.0664	< 0.020 < 0.020	< 0.000050 < 0.000050	0.014 0.014	0.000158 0.00015	115.5 122	0.00014 0.00012	< 0.10 < 0.10	< 0.00020 < 0.00020
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-11-26_N LC_LCDSSLCC_MNT_2022-12-05_N	2022-11-26	<u> </u>	0.0		0.00022	< 0.00010	0.0635	< 0.020	< 0.000050	0.014	0.00013	114	0.00012	< 0.10	< 0.00020
LC LCDSSLCC	LC LCDSSLCC WS 2022-12-03 N	2022-12-03	<u> </u>	< 0.0		0.00024	0.00010	0.0035	< 0.020	< 0.000050	0.012	0.000121	128	0.00014	< 0.10	< 0.00020
LC LCDSSLCC	LC CC1 WS 2022-12-19 N	2022-12-19	_	< 0.0		0.00025	- 0.00012	0.06435	< 0.020	< 0.000050	0.014	0.0001245	122	0.00014	< 0.10	< 0.00020
LC LCDSSLCC	LC LCDSSLCC WS 2022-12-19 N	2022-12-19	-			-	< 0.00010	-	-	-	-	-	-	-	-	-
LC LCDSSLCC	LC LCDSSLCC WS 2022-12-26 N	2022-12-28	-	< 0.0	0010	0.00022	< 0.00010	0.0647	< 0.020	< 0.000050	0.016	0.0000638	129	0.00016	< 0.10	< 0.00020
LC_WLC	LC_WLC_WS_Q1-2022_N	2022-01-04	-	< 0.0	0020	0.00044	0.00021	0.021	< 0.040	-	-	0.000281	272	< 0.00020	-	0.0007
LC_WLC	LC_WLC_WS_2022-01-10_N	2022-01-10	-	0.0	029	0.00043	0.00023	0.02	< 0.040	-	-	0.000229	254	< 0.00020	-	0.00067
LC_WLC	LC_MT1_WS_2022-01-17_N	2022-01-17	-	< 0.0		< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050		< 0.00010	< 0.00020
LC_WLC	LC_CC1_WS_2022-01-17_N	2022-01-17	-	< 0.0		0.000475	0.00024	0.02105	< 0.040	< 0.000100	< 0.020	0.000183	266.5	< 0.00020	< 0.00020	
LC_WLC	LC_WLC_WS_2022-01-24_N	2022-01-25	-	< 0.0		0.00047	0.00026	0.021	< 0.040	< 0.000100	< 0.020	0.000122	255	< 0.00020	< 0.00020	0.00068
LC_WLC	LC_WLC_WS_2022-01-31_N	2022-01-31	-	0.0		0.00047	0.00026	0.021	< 0.040	< 0.000100	< 0.020	0.000108	278	< 0.00020	< 0.00020	0.00129
LC_WLC	LC_MT2_MNT_2021-02-08_N	2022-02-08	-	< 0.0		< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.00010	< 0.00020
LC_WLC	LC_CC1_WS_2022-02-14_N	2022-02-14	-	0.0		0.000485	0.000245	0.02135	< 0.040	< 0.000100	< 0.020	0.000865	266	0.00022	< 0.00020	0.000825
LC_WLC LC WLC	LC_MT1_WS_2022-02-21_N LC_WLC_WS_2022-02-28_N	2022-02-23	-	< 0.0 0.0		< 0.00010 0.00049	< 0.00010 0.00024	< 0.00010 0.022	< 0.020 < 0.040	< 0.000050 < 0.000100	< 0.010 < 0.020	< 0.0050 0.0000717	< 0.050 298	< 0.00010 0.00029	< 0.00010 < 0.00020	< 0.00020 0.0007
LC_WLC	LC_VVLC_VVS_2022-02-28_N LC_MT1_MNT_2021-03-07_N	2022-03-01	-	< 0.0		< 0.00049	< 0.00024	< 0.0022	< 0.040	< 0.000100	< 0.020	< 0.0050	< 0.050	< 0.00029	< 0.00020	< 0.0007
LC_WLC	LC WLC WS 2022-03-14 N	2022-03-08	+ -	0.0		0.00047	0.00010	0.00010	< 0.020	< 0.000100	< 0.010	< 0.0650	247	< 0.00010	< 0.10	0.00064
LC_WLC	LC WLC WS 2022-03-14 N	2022-03-14	<u> </u>	0.0		0.00047	0.00024	0.0212	< 0.040	< 0.000100	< 0.020	0.0000538	287	< 0.00020	< 0.20	0.00059
LC WLC	LC WLC WS 2022-03-28 N	2022-03-28	-	< 0.0		0.00044	0.00025	0.0212	< 0.040	< 0.000100	< 0.020	0.0000529	270	< 0.00020	< 0.20	0.00062
LC WLC	LC WLC WS Q2-2022 N	2022-04-05	-	0.0		0.00047	0.00028	0.0216	< 0.040	< 0.000100	< 0.020	0.0000604	271	< 0.00020	< 0.20	0.00064
LC_WLC	LC_WLC_WS_2022-04-11_N	2022-04-11	-	< 0.0		0.00046	0.00025	0.0204	< 0.040	< 0.000100	< 0.020	0.0000497	267	0.00029	< 0.20	0.0006
LC_WLC	LC_CC1_WS_2022-04-18_N	2022-04-18		0.00	235	0.000445	0.000245	0.0203	< 0.040	< 0.000100	< 0.020	0.00004785	265	< 0.00020	< 0.20	0.000695
LC_WLC	LC_CC1_WS_2022-04-25_N	2022-04-25	-	0.00	205	0.000495	0.000235	0.0218	< 0.040	< 0.000100	< 0.020	0.00006065	271	< 0.00020	< 0.20	0.000645
LC_WLC	LC_WLC_MNT_2022-05-03_N	2022-05-03	-	0.0		0.0005	0.00026	0.0208	< 0.040	< 0.000100	< 0.020	0.0000909	259	< 0.00020	< 0.20	0.00074
LC_WLC	LC_WLC_WS_2022-05-09_N	2022-05-09	-	0.0		0.00045	0.00026	0.0196	< 0.020	< 0.000050	0.015	0.000176	239	0.00011	< 0.10	0.00073
LC_WLC	LC_WLC_WS_2022-05-16_N	2022-05-16	-	0.0		0.00052	0.00024	0.0181	< 0.020	< 0.000050	0.016	0.000245	253	0.0002	< 0.10	0.0125
LC_WLC	LC_WLC_WS_2022-05-23_N	2022-05-24	-	0.0		0.00042	0.00028	0.0191	< 0.020	< 0.000050	0.016	0.000339	243	0.00014	< 0.10	0.00073
LC_WLC	LC_MT1_WS_2022-05-30_N LC_MT2_MNT_2022-06-07_N	2022-05-30	-	< 0.0 < 0.0		< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050 < 0.0050	< 0.050		< 0.10	< 0.00020 < 0.00020
LC_WLC LC WLC	LC_M12_MN1_2022-06-07_N LC_CC1_WS_2022-06-13_N	2022-06-06 2022-06-13	-	< 0.0		< 0.00010 0.000445	< 0.00010	< 0.00010 0.01365	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010	0.0050	< 0.050	< 0.00010 < 0.00010	< 0.10 0.00014	0.00020
LC_WLC	LC WLC WS 2022-06-13 N	2022-06-13		< 0.0		0.000445	0.000115 0.00012	0.01365	< 0.020	< 0.000050	0.0195 0.018	0.00117	130 134			0.000785
LO_VVLO	LO_VVLO_VVO_ZUZZ-UU-ZU_IV	2022-00-22	<u> </u>	` 0.0	7010	0.00043	0.00012	0.0142	· 0.020	· 0.000000	0.010	0.00147	104	~ 0.00010	0.00014	0.0000

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ved Metals							
Sample	Sample	Sample Date H	Iron	Lead	Lithium	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	r IT	Titanium	Uranium	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Acute															
BC WQG FWAL		n/a	0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Line Creek Operation	LO LODONI OO MO 0000 00 00 N	1 0000 00 00 1					ı	ı	ı		1	ı		1		I		
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-08-22_N LC_CC1_WS_2022-08-22_N	2022-08-23 -	- 0.010	- 0.000050	0.0417	48.9	0.004405	- 0.0055	1 20	- 41.15	- 0.000010	7 245	0.208	< 0.000010	- 0.00010	- 0.00030	0.002275	- 0.0060
LC_LCDSSLCC LC LCDSSLCC	LC_CCT_WS_2022-08-22_N LC_LCDSSLCC_WS_2022-08-29_N	2022-08-23 - 2022-08-30 -	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0417	48.9	0.004195 0.0008	0.0055 0.00658	1.39 1.26	41.15 47.7	< 0.000010 < 0.000010	7.245 6.51	0.208	< 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.003275 0.00324	0.0069 0.0112
LC LCDSSLCC	LC LCDSSLCC_WS_2022-06-29_N LC LCDSSLCC MNT 2022-09-06 N	2022-08-30 -	< 0.010	< 0.000050	0.0413	51.4	0.0008	0.00038	1.35	51.1	< 0.000010	6.75	0.191	< 0.000010	< 0.00010	< 0.00030	0.00324	0.0041
LC LCDSSLCC	LC LCDSSLCC WS 2022-09-00 N	2022-09-00 -	< 0.010	< 0.000050	0.0390	50.2	0.0036	0.00579	1.42	41.7	< 0.000010	7.52	0.212	< 0.000010	< 0.00010	< 0.00030	0.00298	0.0079
LC LCDSSLCC	LC LCDSSLCC WS 2022-09-12 N	2022-09-19 -	- 0.010	- 0.000030	-	-	-	-	-	- 41.7	- 0.000010	-	- 0.212	- 0.000010	- 0.00010	- 0.00030	-	-
LC LCDSSLCC	LC CC1 WS 2022-09-19 N	2022-09-19 -	< 0.010	< 0.000050	0.0443	51.9	0.003745	0.0052	1.385	43.45	< 0.000010	7.53	0.2175	< 0.000010	< 0.00010	< 0.00030	0.003305	0.0071
LC LCDSSLCC	LC LCDSSLCC WS 2022-09-26 N	2022-09-19 -	< 0.010	< 0.000050	0.0443	48.5	0.003743	0.00548	1.39	45	< 0.000010	7.37	0.217	< 0.000010	< 0.00010	< 0.00030	0.003303	0.0071
LC LCDSSLCC	LC CC2 WS Q4-2022 N	2022-10-03 -	< 0.010	< 0.000050	0.0431	49.9	0.003665	0.005105	1.38	56.05	< 0.000010	7.335	0.199	< 0.000010	< 0.00010	< 0.00030	0.003115	0.00605
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-10-10_N	2022-10-11 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_LCDSSLCC	LC_CC1_WS_2022-10-10_N	2022-10-11 -	< 0.010	< 0.000050	0.04415	49.9	0.003935	0.00584	1.51	48.25	< 0.000010	7.53	0.214	< 0.000010	< 0.00010	< 0.00030	0.003325	0.00665
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-10-17_N	2022-10-18 -	< 0.010	< 0.000050	0.0297	49.8	0.00032	0.0012	1.37	47.7	< 0.000010	4.37	0.181	< 0.000010	< 0.00010	< 0.00030	0.00245	0.0018
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-10-24_N	2022-10-25 -	< 0.010	< 0.000050	0.046	51.1	0.00335	0.00515	1.44	43	< 0.000010	7.77	0.226	< 0.000010	< 0.00010	< 0.00030	0.0037	0.005
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-10-31_N	2022-11-01 -	< 0.010	< 0.000050	0.044	61.7	0.00374	0.0059	1.56	52.2	< 0.000010	9.23	0.221	< 0.000010	< 0.00010	< 0.00030	0.0041	0.0062
LC_LCDSSLCC	LC_LCDSSLCC_MNT_2022-11-08_N	2022-11-08 -	< 0.010	< 0.000050	0.0496	55.9	0.00369	0.00512	1.51	51.2	< 0.000010	8.23	0.232	< 0.000010	< 0.00010	< 0.00030	0.0037	0.0056
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-11-14_N	2022-11-14 -	< 0.010	< 0.000050	0.0516	56.8	0.00333	0.00506	1.49	45.9	< 0.000010	8.72	0.2	0.000021	< 0.00010	< 0.00030	0.00392	0.0059
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-11-21_N	2022-11-21 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_LCDSSLCC	LC_CC1_WS_2022-11-21_N	2022-11-21 -	< 0.010	< 0.000050	0.04665	53.2	0.004015	0.004965	1.47	59.55	< 0.000010	7.91	0.221	< 0.000010	< 0.00010	< 0.00030	0.00381	0.0053
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-11-28_N	2022-11-28 -	< 0.010	< 0.000050	0.0511	62.8	0.00348	0.00511	1.47	46.3	< 0.000010	8.27	0.223	< 0.000010	< 0.00010	< 0.00030	0.00443	0.0043
LC_LCDSSLCC	LC_LCDSSLCC_MNT_2022-12-05_N	2022-12-05 -	< 0.010	< 0.000050	0.0479	56.7	0.00339	0.00453	1.51	57.6	< 0.000010	8.69	0.219	< 0.000010	< 0.00010	< 0.00030	0.00369	0.0044
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-12-12_N	2022-12-12 -	< 0.010	< 0.000050	0.0506	58.6	0.00309	0.00454	1.55	49.6	< 0.000010	8.86	0.22	0.000012	< 0.00010	< 0.00030	0.00431	0.0044
LC_LCDSSLCC	LC_CC1_WS_2022-12-19_N	2022-12-19 -	< 0.010	< 0.000050	0.0493	58	0.003415	0.00475	1.43	57.5	< 0.000010	8.43	0.2185	< 0.000010	< 0.00010	< 0.00030	0.004425	0.0041
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-12-19_N	2022-12-19 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-12-26_N	2022-12-28 -	< 0.010	< 0.000050	0.0502	59.9	0.00266	0.0039	1.5	48.7	< 0.000010	9.82	0.216	< 0.000010	< 0.00010	< 0.00030	0.0038	0.002
LC_WLC	LC_WLC_WS_Q1-2022_N	2022-01-04 -	< 0.020	-	0.0373	202	< 0.00020	0.0163	2.53	407	< 0.000020	2.43	0.195	0.000024	-	< 0.00060	0.0205	0.0095
LC_WLC LC WLC	LC_WLC_WS_2022-01-10_N LC_MT1_WS_2022-01-17_N	2022-01-10 - 2022-01-17 -	< 0.020 < 0.010	< 0.000050	< 0.0010	190 < 0.0050	< 0.00020 < 0.00010	0.016 < 0.00050	2.36 < 0.050	410 < 0.050	< 0.000020 < 0.000010	2.23 < 0.050	0.184	< 0.000020 < 0.000010	< 0.00010	< 0.00060 < 0.00030	0.018 < 0.000010	0.0084 0.0011
LC_WLC	LC CC1 WS 2022-01-17 N	2022-01-17 -	< 0.010	< 0.000100	0.0365	189	< 0.00010	0.00050	2.48	410	< 0.000010	2.355	0.1865	0.000010	< 0.00010	< 0.00030	0.0179	0.0079
LC_WLC	LC WLC WS 2022-01-17_N	2022-01-17 -	< 0.020	< 0.000100	0.0305	195	< 0.00020	0.0159	2.44	424	< 0.000020	2.33	0.1003	0.0000243	< 0.00020	< 0.00060	0.0175	0.0065
LC_WLC	LC WLC WS 2022-01-24 N	2022-01-23 -	< 0.020	< 0.000100	0.0358	218	< 0.00020	0.0139	2.44	418	< 0.000020	2.35	0.192	0.000021	< 0.00020	< 0.00060	0.0173	0.0052
LC WLC	LC MT2 MNT 2021-02-08 N	2022-01-01 -	< 0.020	< 0.000100	< 0.0010	< 0.0050	< 0.00020	< 0.00050	< 0.050	< 0.050	< 0.000020	< 0.050	< 0.00020	< 0.000021	< 0.00020	< 0.00030	< 0.000010	< 0.0032
LC WLC	LC CC1 WS 2022-02-14 N	2022-02-14 -	< 0.020	< 0.000100	0.03705	195.5	< 0.00010	0.0164	2.425	470	< 0.000010	2.49	0.201	0.0000275	< 0.00020	< 0.00060	0.019	0.00495
LC WLC	LC MT1 WS 2022-02-21 N	2022-02-23 -	< 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.000010	< 0.0010
LC WLC	LC WLC WS 2022-02-28 N	2022-03-01 -	< 0.020	< 0.000100	0.0394	214	0.0006	0.016	2.48	447	< 0.000020	2.42	0.197	0.000024	< 0.00020	< 0.00060	0.0187	0.0113
LC_WLC	LC_MT1_MNT_2021-03-07_N	2022-03-08 -	< 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.000010	< 0.0010
LC_WLC	LC_WLC_WS_2022-03-14_N	2022-03-14 -	< 0.020	< 0.000100	0.0333	193	< 0.00020	0.0168	2.51	459	< 0.000020	2.44	0.184	0.000027	< 0.00020	< 0.00060	0.0178	0.0053
LC_WLC	LC_WLC_WS_2022-03-21_N	2022-03-22 -	< 0.020	< 0.000100	0.0384	205	< 0.00020	0.0154	2.52	445	< 0.000020	2.46	0.194	0.00002	< 0.00020	< 0.00060	0.0168	0.0048
LC_WLC	LC_WLC_WS_2022-03-28_N	2022-03-28 -	< 0.020	< 0.000100	0.0359	206	< 0.00020	0.0156	2.48	436	< 0.000020	2.3	0.2	0.000021	< 0.00020	< 0.00060	0.017	0.0048
LC_WLC	LC_WLC_WS_Q2-2022_N	2022-04-05 -	< 0.020	< 0.000100	0.0352	215	< 0.00020	0.0165	2.52	433	< 0.000020	2.46	0.204	0.000027	0.0002	< 0.00060	0.018	0.0062
LC_WLC	LC_WLC_WS_2022-04-11_N	2022-04-11 -	< 0.020	< 0.000100	0.0372	199	< 0.00020	0.0155	2.47	445	< 0.000020	2.46	0.189	< 0.000020	< 0.00020	< 0.00060	0.0164	0.0035
LC_WLC	LC_CC1_WS_2022-04-18_N	2022-04-18 -	< 0.020	< 0.000100	0.03925	199	< 0.00020	0.01495	2.645	430	< 0.000020	2.49	0.2015	0.0000235	< 0.00020	< 0.00060	0.01795	0.0036
LC_WLC	LC_CC1_WS_2022-04-25_N	2022-04-25 -	< 0.020	< 0.000100	0.0384	193.5	< 0.00020	0.01595	2.68	454	< 0.000020	2.5	0.201	0.0000255	< 0.00020	< 0.00060	0.0174	0.0044
LC_WLC	LC_WLC_MNT_2022-05-03_N	2022-05-03 -	< 0.020	< 0.000100	0.0396	190	< 0.00020	0.0157	2.66	423	< 0.000020	2.46	0.19	0.000024	< 0.00020	< 0.00060	0.0154	0.0056
LC_WLC	LC_WLC_WS_2022-05-09_N	2022-05-09 -	< 0.010	< 0.000050	0.0344	191	< 0.00010	0.016	2.42	430	< 0.000010	2.35	0.176	0.000024	< 0.00010	< 0.00030	0.0145	0.0074
LC_WLC	LC_WLC_WS_2022-05-16_N	2022-05-16 -	0.011	0.000555	0.0351	177	< 0.00010	0.0152	2.46	452	< 0.000010	2.41	0.196	0.000025	0.00407	< 0.00030	0.0168	0.0254
LC_WLC	LC_WLC_WS_2022-05-23_N LC_MT1_WS_2022-05-30_N	2022-05-24 -	< 0.010 < 0.010	< 0.000050 < 0.000050	0.0356 < 0.0010	173 < 0.0050	< 0.00010	0.0164 < 0.00050	2.54 < 0.050	379	< 0.000010 < 0.000010	2.31 < 0.050	0.178 < 0.00020	0.000023	< 0.00010	< 0.00030 < 0.00030	0.0145 < 0.000010	0.012
LC_WLC LC WLC	LC_MT1_WS_2022-05-30_N LC_MT2_MNT_2022-06-07_N	2022-05-30 - 2022-06-06 -	< 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010 < 0.00010	< 0.00050	< 0.050	< 0.050 < 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030	< 0.000010	< 0.0010 < 0.0010
LC_WLC	LC_M12_MN1_2022-06-07_N LC_CC1_WS_2022-06-13_N	2022-06-06 -	< 0.010	< 0.000050	0.0218	91.85	0.000395	0.01995	1.98	156.5	< 0.000010	1.365	0.00020	0.000010	< 0.00010	< 0.00030	0.006425	0.054
LC_WLC	LC WLC WS 2022-06-13 N	2022-06-13 -	< 0.010	< 0.000050	0.0216	81.9	0.000395	0.01995	1.96	149	< 0.000010	1.303	0.09205	0.0000235	< 0.00010	< 0.00030		0.0663
	LO_**LO_**O_2022-00-20_14	2022-00-22	- 0.010	- 0.000000	0.0207	01.0	0.00002	0.022	1.01	170	- 0.000010	1.22	0.0017	0.000020	- 0.00010	- 0.00000	0.00042	0.0000

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

			ſ							Dissolve	d Metals						
Sample Location	Sample ID	Sample Date		e e e e e e e e e e e e e e e e e e e	3 2 3 4/L	mg/L	mg/L Arsenic	Barin Barin Mg/L	Beryllium mg/L	T) Bismuth	u o o <u>a</u> mg/L	(Cadura Cadura July S	Calcium	Ba Chromium	Cobalt	Copper Copper Mg/L
				Acute	Chronic							Acute	Chronic				Acute Chronic
BC WQG FWAL			n/a	0.020-0.10 ^a	0.005-0.05 ^a	n/a	na	na	na	n/a	n/a	0.00004-0.0028 ^a	0.00002-0.00173 ^a	n/a	n/a	n/a	BLM ^e
Line Creek Operation																	
LC_WLC	LC_WLC_WS_2022-06-27_N	2022-06-27	-	< 0.0		0.00041	0.00014	0.0162	< 0.020	< 0.000050	0.019		0016	150	0.0001	< 0.10	0.00092
LC_WLC	LC_WLC_WS_Q3-2022_N	2022-07-05	-	< 0.0		0.00037	0.00012	0.0161	< 0.020	< 0.000050	0.018		0174	165	< 0.00010	< 0.10	0.00088
LC_WLC	LC_CC1_WS_2022-07-11_N	2022-07-11	-	0.00		0.0004	0.000125	0.0186	< 0.020	< 0.000050	0.018		0194	185.7	< 0.00010	< 0.10	0.00132
LC_WLC	LC_WLC_WS_2022-07-18_N	2022-07-19	-	< 0.0		0.00037	0.00012	0.0183	< 0.020	< 0.000050	0.02		0234	203	< 0.00010	< 0.10	0.00088
LC_WLC	LC_MT1_WS_2022-07-25_N	2022-07-26	-	< 0.0		< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010		0050	< 0.050		< 0.10	< 0.00020
LC_WLC	LC_WLC_MNT_2022-08-02_N	2022-08-03	-	< 0.0		0.00038	0.00018	0.0205	< 0.020	< 0.000050	0.022		0253	220	0.00011	< 0.10	0.00102
LC_WLC	LC_WLC_WS_2022-08-08_N	2022-08-08	-	0.00		0.00039	0.00013	0.0228	< 0.020	< 0.000050	0.019		0284	243	0.00015	< 0.10	0.00104
LC_WLC	LC_MT1_WS_2022-08-15_N	2022-08-15	-	< 0.0		< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010		0050	< 0.050		< 0.10	0.00065
LC_WLC	LC_WLC_WS_2022-08-22_N	2022-08-22	-	0.0		0.0004	0.00013	0.0244	< 0.020	< 0.000050	0.019		0273	237	0.00022	< 0.10	0.00101
LC_WLC	LC_WLC_WS_2022-08-29_N	2022-08-29	-	0.0	024	0.0004	0.00023	0.0248	< 0.040	< 0.000100	0.029	0.0	0293	243	< 0.00020	< 0.20	0.00111
LC_WLC	LC_WLC_MNT_2022-09-06_N	2022-09-06	-	< 0.0		0.00038	< 0.00020	0.0219	< 0.040	< 0.000100	0.025		00258	238	< 0.00020	< 0.20	0.00042
LC_WLC	LC_WLC_WS_2022-09-12_N	2022-09-13	-	0.0		0.00039	0.00014	0.027	< 0.020	< 0.000050	0.021		0357	281	< 0.00010	< 0.10	0.00124
LC_WLC	LC_WLC_WS_2022-09-19_N	2022-09-19	-	< 0.0	0020	0.00044	< 0.00020	0.0254	< 0.040	< 0.000100	0.021	0.0	0287	271	< 0.00020	< 0.20	0.00109
LC_WLC	LC_WLC_WS_2022-09-29_N	2022-09-29	-	0.0	013	0.00043	0.00017	0.0282	< 0.020	< 0.000050	0.021	0.0	0264	282	0.0001	< 0.10	0.00113
LC_WLC	LC_WLC_WS_Q4-2022_N	2022-10-03	-	< 0.0		0.00044	< 0.00020	0.0259	< 0.040	< 0.000100	0.024		0289	293	< 0.00020	< 0.20	0.00113
LC_WLC	LC_WLC_WS_2022-10-10_N	2022-10-12	-	< 0.0	0020	0.00046	0.00024	0.0279	< 0.040	< 0.000100	0.021		0296	289	< 0.00020	< 0.20	0.00129
LC_WLC	LC_WLC_WS_2022-10-17_N	2022-10-17	- 1	< 0.0	0010	0.00042	0.00016	0.0275	< 0.020	< 0.000050	0.023	0.0	0287	304	< 0.00010	< 0.10	0.00118
LC_WLC	LC_CC1_WS_2022-10-24_N	2022-10-24	-	< 0.0	0020	0.00032667	< 0.00020	0.0192	< 0.040	< 0.000100	< 0.020	0.00	1365	219	< 0.00020	< 0.20	0.00093
LC_WLC	LC_WLC_WS_2022-10-31_N	2022-10-31	-	< 0.0	0020	0.00041	< 0.00020	0.0232	< 0.040	< 0.000100	< 0.020	0.0	0138	287	< 0.00020	< 0.20	0.00103
LC_WLC	LC_WLC_MNT_2022-11-08_N	2022-11-07	-	0.0	03	0.00056	< 0.00020	0.023	< 0.040	< 0.000100	< 0.020	0.00	00807	277	< 0.00020	< 0.20	0.00087
LC_WLC	LC_MT1_WS_2022-11-14_N	2022-11-14	-	0.00	215	< 0.00010	< 0.00010	0.01171	< 0.020	< 0.000050	< 0.010	< 0.	0050	< 0.050	< 0.00010	< 0.10	< 0.00020
LC_WLC	LC_WLC_WS_2022-11-21_N	2022-11-21	-	< 0.0	0010	0.00044	0.00018	0.0241	< 0.020	< 0.000050	0.013	0.00	00577	282	0.00011	< 0.10	0.00091

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 2: Summary of Analytical Results for Dissolved Metals

										Dissolv	ed Metals							
Sample Location	Sample ID	Sample Date H (mm/dd/yyyy) mg/L	ute m/Lon	read mg/L	En Lithiu mg/F	mg/L Magnesium	Manganese mg/L	Nicke mg/L	mg/L	Relenium Ng/L	Javijos Nijos mg/L	Enipos mg/L	mg/L	mg/L	Ę mg/L	mg/L	mg/r Uranium	ziz mg/L
BC WQG FWAL		n/a	ĕ 0.35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Line Creek Operation		II/a	0.35	II/a	II/a	II/a	II/a	II/a	II/a	II/a	II/a	II/a	II/a	II/a	II/a	II/a	II/a	II/a
LC WLC	LC WLC WS 2022-06-27 N	2022-06-27 -	< 0.010	< 0.000050	0.0231	89.8	0.00052	0.0227	2.16	180	< 0.000010	1.54	0.104	0.000022	< 0.00010	< 0.00030	0.00675	0.0668
LC_WLC	LC WLC WS 2022-06-27 N LC WLC WS Q3-2022 N	2022-06-27 -	< 0.010	< 0.000050	0.023	100	0.00063	0.0227	2.16	215	< 0.000010	1.63	0.104	0.000022	< 0.00010	< 0.00030	0.00675	0.0692
LC_WLC	LC CC1 WS 2022-07-11 N	2022-07-05 -	< 0.010	< 0.000050	0.023	115	0.00084	0.0253	2.353333333	284	< 0.000010	1.78	0.113	0.000026	< 0.00010	< 0.00030	0.00822	0.08135
LC_WLC	LC_CC1_W3_2022-07-11_N LC_WLC_WS_2022-07-18_N	2022-07-11 -	< 0.010	< 0.000050	0.02463	124	0.00064	0.0352	2.15	273	< 0.000010	1.76	0.134	0.0000233	< 0.00010	< 0.00030	0.00863	0.08133
LC_WLC	LC MT1 WS 2022-07-16 N	2022-07-19 -	< 0.010	< 0.000050	< 0.0230	< 0.0050	< 0.00109	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000014	< 0.00010	< 0.00030	< 0.0001	< 0.093
LC_WLC	LC_MTT_WS_2022-07-25_N LC_WLC_MNT_2022-08-02_N	2022-07-26 -	< 0.010	< 0.000050	0.0331	137	0.00144	0.00050	2.48	334	< 0.000010	2.06	0.00020	0.000010	< 0.00010	< 0.00030	0.0104	0.0998
LC_WLC	LC WLC WS 2022-08-08 N	2022-08-08 -	< 0.010	< 0.000050	0.0307	156	0.00144	0.0372	2.43	335	< 0.000010	2.08	0.166	0.000027	< 0.00010	< 0.00030	0.0104	0.0996
LC_WLC	LC_WLC_WS_2022-08-06_N LC_MT1_WS_2022-08-15_N	2022-08-08 -	< 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00171	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.00003	< 0.00010	< 0.00030	< 0.000010	< 0.0010
LC_WLC	LC WLC WS 2022-08-15 N	2022-08-15 -	< 0.010	< 0.000050	0.0296	162	0.00151	0.00050	2.38	407	< 0.000010	2.13	0.166	0.00003	< 0.00010	< 0.00030	0.014	0.105
LC_WLC	LC_WLC_WS_2022-08-22_N LC_WLC_WS_2022-08-29_N	2022-08-29 -	< 0.010	< 0.000100	0.0290	208	0.00131	0.0424	2.38	366	< 0.000010	2.13	0.174	0.00003	< 0.00010	< 0.00030	0.014	0.103
LC_WLC	LC_WLC_WS_2022-08-29_N LC_WLC_MNT_2022-09-06_N	2022-06-29 -	< 0.020	< 0.000100	0.0343	176	0.00218	0.0424	2.36	391	< 0.000020	2.06	0.174	0.000031	< 0.00020	< 0.00060	0.015	0.0093
LC_WLC		2022-09-06 -	< 0.020			187		0.0392		414			0.174					
LC_WLC	LC_WLC_WS_2022-09-12_N LC_WLC_WS_2022-09-19_N	2022-09-13 -	< 0.010	< 0.000050 < 0.000100	0.0348 0.0335	192	0.00182 0.00182	0.0411	2.58 2.48	372	< 0.000010 < 0.000020	2.25	0.193	0.00003 0.000032	< 0.00010 < 0.00020	< 0.00030 < 0.00060	0.0174 0.0171	0.134 0.107
LC_WLC	LC_WLC_WS_2022-09-19_N LC_WLC_WS_2022-09-29_N	2022-09-19 -	< 0.020	< 0.000100	0.0335	201	0.00182	0.043	2.48	480	< 0.000020	2.22	0.196	0.000032	< 0.00020	< 0.00060	0.0171	0.107
LC_WLC	LC_WLC_WS_Q4-2022_N	2022-10-03 -	< 0.020	< 0.000100	0.0396	201	0.0016	0.0441	2.54	438	< 0.000020	2.21	0.196	0.000034	< 0.00020	< 0.00060	0.0174	0.102
LC_WLC	LC_WLC_WS_2022-10-10_N	2022-10-12 -	< 0.020	< 0.000100	0.0381	218	0.00175	0.0488	2.69	400	< 0.000020	2.32	0.189	0.000046	< 0.00020	< 0.00060	0.0178	0.122
LC_WLC	LC_WLC_WS_2022-10-17_N	2022-10-17 -	< 0.010	< 0.000050	0.0409	224	0.00176	0.0479	2.94	471	< 0.000010	2.54	0.198	0.000031	< 0.00010	< 0.00030	0.0189	0.114
LC_WLC	LC_CC1_WS_2022-10-24_N	2022-10-24 -	< 0.020	< 0.000100	0.025766667	149.6683333	0.00053	0.026966667	1.873333333	296.35	< 0.000020	1.666666667	0.138066667	2.36667E-05	< 0.00020	< 0.00060	0.01467	0.0462
LC_WLC	LC_WLC_WS_2022-10-31_N	2022-10-31 -	< 0.020	< 0.000100	0.0358	203	0.00023	0.0301	2.5	452	< 0.000020	2.27	0.178	0.00003	< 0.00020	< 0.00060	0.0216	0.0469
LC_WLC	LC_WLC_MNT_2022-11-08_N	2022-11-07 -	< 0.020	< 0.000100	0.036	205	< 0.00020	0.0227	2.46	414	< 0.000020	2.14	0.178	0.000028	< 0.00020	< 0.00060	0.0193	0.0238
LC_WLC	LC_MT1_WS_2022-11-14_N	2022-11-14 -	< 0.010	< 0.000050	< 0.0010	< 0.0050	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	< 0.050	< 0.00020	< 0.000010	< 0.00010	< 0.00030	< 0.000010	< 0.0010
LC_WLC	LC_WLC_WS_2022-11-21_N	2022-11-21 -	< 0.010	< 0.000050	0.0396	211	0.00011	0.0189	2.54	520	< 0.000010	2.19	0.19	0.000029	< 0.00010	< 0.00030	0.0224	0.0147

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

^e Guideline calculated using the BC Biotic Ligand Model (BLM)

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						
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Sample	Sample	Sample Date	ar	<u>P</u>	į	\rs	3ar	Jer.	Bisi	õ	Cad	ä	ļ ģ	20	ğ	ō	9
Location	ID	(mm/dd/yyyy)	ma/l	1	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/		mg/L
Location	ib	(IIIII/dd/yyyy)	mg/L	ilig/L	IIIg/L	ilig/L	ιιιg/L	ilig/L	IIIg/L	ing/L	mg/L	ilig/L	mg/L		ilig/	<u> </u>	
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BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Coal Mountain Mine																	
CM_CC1	CM_CC1_WS_2022-01-04_N	2022-01-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_CC1	CM_CC1_WS_2022-01-11_N	2022-01-11	922	0.011	0.00039	0.00022	0.0384	< 0.020	< 0.000050	0.116	0.000144	235	0.00012	0.0111	< 0.00050	0.071	< 0.000050
CM_CC1	CM_CC1_WS_2022-02-01_N	2022-02-01	913	0.0079	0.00036	0.00018	0.0346	< 0.020	< 0.000050	0.085	0.000111	198	0.0001	0.00983	< 0.00050	0.044	< 0.000050
CM_CC1	CM_CC1_WS_2022-03-01_N	2022-03-01	1050	0.0073	0.00055	0.00025	0.0378	< 0.020	< 0.000050	0.087	0.000182	236	0.00018	0.0132	< 0.00050	0.154	< 0.000050
CM_CC1	CM_CC1_WS_2022-03-15_N	2022-03-15	978	0.0062	0.00031	0.00023	0.046	< 0.020	< 0.000050	0.053	0.0000775	206	0.00014	0.00393	< 0.00050	0.016	< 0.000050 < 0.000050
CM_CC1	CM_CC1_WS_2022-03-22_N	2022-03-22	988	0.0052	0.00028	0.00019	0.0489	< 0.020	< 0.000050 < 0.000050	0.052	0.0000657	210	0.00015	0.00317	< 0.00050	0.012	< 0.000050
CM_CC1 CM CC1	CM_CC1_WS_2022-03-29_N CM_CC1_WS_2022-04-05_N	2022-03-29 2022-04-05	1030 970	0.0043 0.0253	0.00028 0.00028	0.00022 0.00023	0.0546 0.0484	< 0.020 < 0.020	< 0.000050	0.064 0.061	0.0000591 0.0000612	225 198	0.00022 0.00012	0.00312 0.00416	< 0.00050 < 0.00050	0.012 0.031	< 0.000050
CM CC1	CM CC1 WS 2022-04-05 N	2022-04-05	899	0.0253	0.00028	0.00023	0.0469	< 0.020	< 0.000050	0.061	0.0000512	190	0.00012	0.00478	< 0.00050	0.031	< 0.000050
CM CC1	CM CC1 WS 2022-04-12 N	2022-04-12	889	0.0091	0.00028	0.0002	0.0469	< 0.020	< 0.000050	0.078	0.0000388	213	0.00012	0.00378	< 0.00050	0.030	< 0.000050
CM CC1	CM CC1 WS 2022-04-19 N	2022-04-19	872	0.0091	0.00028	0.00021	0.0454	< 0.020	< 0.000050	0.072	0.0000492	202	0.00049	0.00377	< 0.00050	0.032	< 0.000050
CM CC1	CM CC1 WS 2022-05-03 N	2022-05-03	819	0.0203	0.000315	0.000225	0.04575	< 0.020	< 0.000050	0.0735	0.00004875	193.5	0.00019	0.004555	< 0.00050	0.039	< 0.000050
CM CC1	CM CC1 2022-05-06 N2	2022-05-06	772	0.0266	0.00039	0.00021	0.0413	< 0.020	< 0.000050	0.087	0.0000793	182	0.00021	0.0102	< 0.00050	0.061	< 0.000050
CM CC1	CM CC1 2022-05-06 N1	2022-05-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM CC1	CM CC1 2022-05-07 N1	2022-05-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM CC1	CM CC1 WS 2022-05-10 N	2022-05-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_CC1	CM_CC1_WS_2022-05-17_N	2022-05-17	694	0.0456	0.00038	0.00021	0.0376	< 0.020	< 0.000050	0.091	0.000161	158	0.00029	0.00648	0.00073	0.106	0.000071
CM_CC1	CM_NNP_WS_2022-05-17_N	2022-05-17	731	0.03135	0.00038	0.00024	0.0316	< 0.020	< 0.000050	0.0805	0.000191	165.5	0.000205	0.009815	0.00055	0.0595	< 0.000050
CM_CC1	CM_CC1_WS_2022-05-24_N	2022-05-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_CC1	CM_CC1_WS_2022-05-31_N	2022-05-31	721	0.0246	0.00036	0.00018	0.028	< 0.020	< 0.000050	0.059	0.000199	162	0.00017	0.00778	< 0.00050	0.037	< 0.000050
CM_CC1	CM_CC1_WS_2022-06-07_N	2022-06-07	637	0.049	0.00036	0.00022	0.0253	< 0.020	< 0.000050	0.048	0.000297	142	0.00018	0.00519	0.00051	0.075	0.00007
CM_CC1	CM_CC1_WS_2022-06-14_N	2022-06-14	654	0.0352	0.00032	0.00022	0.0229	< 0.020	< 0.000050	0.052	0.00038	139	0.00021	0.00632	< 0.00050	0.076	0.00006
CM_CC1	CM_CC1_WS_2022-06-21_N	2022-06-21	538	0.104	0.0003	0.00027	0.0256	0.000022	< 0.000050	0.031	0.000418	133	0.00031	0.00535	0.00059	0.138	0.000181
CM_CC1	CM_CC1_WS_2022-06-28_N	2022-06-28	602	0.0214	0.00032	0.000235	0.02375	< 0.020	< 0.000050	0.0465	0.0004555	126	0.00017	0.00603	< 0.00050	0.051	< 0.000050
CM_CC1	CM_CC1_WS_2022-07-05_N	2022-07-05	798	0.0121	0.0004	0.00027	0.0263	< 0.020	< 0.000050	0.052	0.000441	186	0.00013	0.00951	< 0.00050	0.045	< 0.000050
CM_CC1	CM_NNP_WS_2022-07-12_N	2022-07-12	834	0.0306	0.00044	0.00027	0.0267	< 0.020	< 0.000050	0.071	0.000282	176	0.00019	0.00972	< 0.00050	0.063	< 0.000050
CM_CC1	CM_CC1_WS_2022-07-12_N	2022-07-12	- 074	- 0.0000	- 0.000405	- 0.0000	- 0.00045		- 0.000050	- 0.070	- 0.0004535	- 400 F	- 0.00042	- 0.04425	< 0.00050	- 0.0005	< 0.000050
CM_CC1 CM CC1	CM_CC1_WS_2022-08-02_N	2022-08-02 2022-08-02	971	0.0098	0.000485	0.00028	0.02845	< 0.020	< 0.000050 < 0.000050	0.076 0.094	0.0001535	192.5	0.00013	0.01135 0.01165	< 0.00050	0.0305	< 0.000050
CM CC1	CM_NNP_WS_2022-08-02_N CM_CC1_2022-08-25_N1	2022-08-02	971	0.01	0.0006	0.00022	0.03085	< 0.020		0.094	0.000131	223.5	0.00011	0.01103	- 0.00050	0.0275	- 0.000050
CM CC1	CM CC1 WS 2022-09-06 N	2022-08-25	-	-	-	-	-	-	-	-	-	<u>-</u>	-	-	-	-	-
CM CC1	CM CC1 WS SEPT-2022 N	2022-09-08	1027	< 0.0150	0.000555	0.000295	0.0391	< 0.020	< 0.000050	0.1055	0.0000911	221	0.00014	0.006185	< 0.00050	0.016	< 0.000050
CM CC1	CM CC1 WS 2022-10-04 N	2022-09-00	1040	0.0074	0.000333	0.000233	0.0359	< 0.020	< 0.000050	0.093	0.0000911	204	0.00014	0.00611	< 0.00050	0.015	< 0.000050
CM CC1	CM CC1 WS 2022-11-01 N	2022-11-01	1020	0.0062	0.00034	0.00023	0.048	< 0.020	< 0.000050	0.067	0.0000562	220	0.00011	0.00291	< 0.00050	< 0.010	< 0.000050
CM CC1	CM CC1 WS 2022-12-06 N	2022-12-06	1030	0.0616	0.00033	0.00024	0.0454	< 0.020	< 0.000050	0.079	0.0000518	227	0.00017	0.00389	< 0.00050	0.044	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-01-04_NP	2022-01-06	1165	0.0076	0.000265	0.000245	0.06165	< 0.020	< 0.000050	0.0685	0.00003975	264.5	0.00014	0.003235	< 0.00050	0.012	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-01-11_NP	2022-01-11	995	0.0094	0.00031	0.00022	0.0276	0.000025	< 0.000050	0.137	0.000402	242	0.00012	0.00537	< 0.00050	0.162	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-01-18_NP	2022-01-18	970	0.0102	0.00028	0.0002	0.0257	< 0.020	< 0.000050	0.092	0.000363	205	0.00012	0.00312	< 0.00050	0.115	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-01-19_NP	2022-01-19	1080	0.0072	0.00026	0.00016	0.0233	< 0.020	< 0.000050	0.07	0.000379	244	0.00012	0.00127	< 0.00050	0.038	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-01-25_NP	2022-01-25	1110	0.0102	0.00028	0.00019	0.026	< 0.020	< 0.000050	0.066	0.000444	229	0.00013	0.00115	< 0.00050	0.036	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-02-01_NP	2022-02-02	1160	0.0065	0.00032	0.0002	0.0252	< 0.020	< 0.000050	0.067	0.000433	244	0.00015	0.00074	< 0.00050	0.026	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-02-08_N	2022-02-08	1110	< 0.0060	0.0003	< 0.00020	0.0258	< 0.040	< 0.000100	0.062	0.000392	242	< 0.00020	0.00053	< 0.00100	0.022	< 0.000100
CM_CCOFF	CM_CCOFF_WS_2022-02-15_NP	2022-02-15	1240	0.0058	0.00033	0.00023	0.0262	< 0.020	< 0.000050	0.074	0.000412	256	0.00016	0.00044	< 0.00050	0.023	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-02-22_NP	2022-02-22	1160	0.0058	0.00029	0.00023	0.0265	< 0.020	< 0.000050	0.061	0.00045	271	0.00013	0.00052	< 0.00050	0.028	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-03-01_NP	2022-03-01	1170	0.01	0.0003	0.00025	0.026	< 0.040	< 0.000100	0.064	0.00036	253	< 0.00020	0.00036	< 0.00100	0.022	< 0.000100
CM_CCOFF	CM_CCOFF_WS_2022-03-08_NP	2022-03-08	1220	0.0068	0.00031	0.0002	0.0263	< 0.040	< 0.000100	0.063	0.000366	259	< 0.00020	0.00036	< 0.00100	0.022	< 0.000100
CM_CCOFF	CM_CCOFF_WS_2022-03-15_NP	2022-03-15	1200	0.0075	0.00028	0.00019	0.0287	< 0.020	< 0.000050	0.072	0.000267	259	0.00023	0.00037	< 0.00050	0.031	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-03-22_NP	2022-03-22	1170	0.007	0.00028	< 0.00020	0.0274	< 0.040	< 0.000100	0.063	0.000299	252	0.00076	0.00038	< 0.00100	0.027	< 0.000100
CM_CCOFF	CM_CCOFF_WS_2022-03-29_NP	2022-03-29	1240	0.0053	0.00028	0.00021	0.0267	< 0.020	< 0.000050	0.072	0.000258	254	0.00014	0.00038	< 0.00050	0.027	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-04-05_NP	2022-04-05	1140	0.061	0.00026	0.00026	0.0294	< 0.020	< 0.000050	0.081	0.000319	235	0.0002	0.00086	< 0.00050	0.134	0.000096

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals						
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			Ę.	<u>ة</u> ا	gue	ng	ķe	ass	lenium	, ser	Strontium	allit		l ii	i i	ပ္
Sample	Sample	Sample Date	Наі	Litl	Ma	Ma	Nio	Pot	Sel	>is	Str	Th	Tin	Ţ	Ura	Zir
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L			g/L mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
						ute	onic) iu	ronic					ronic	e luc
						Acut	ord:		Chronic	5 <u>-</u>					Chrc	Acute
BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a n	la nia	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Coal Mountain Mine			II/a	II/a	II/a	0.001-0.03 0.0003-0.01	0.025-0.15	II/a		0.0001-0.003 0.00003-0.0013 11	ia iiia	II/a	II/a	II/a	0.0003	0.033-2 0.0073-2
CM_CC1	CM_CC1_WS_2022-01-04_N	2022-01-06	-	-	-	-	-	-	-	I I	- -	-	-	-	-	-
CM_CC1	CM_CC1_WS_2022-01-11_N	2022-01-11		0.065	109	0.0801	0.0634	3.71	19.4		2.7 1.1	0.00005	< 0.00010	< 0.00030	0.00623	0.0155
CM_CC1 CM_CC1	CM_CC1_WS_2022-02-01_N CM_CC1_WS_2022-03-01_N	2022-02-01 2022-03-01	913 1050		101 106	0.0697 0.0768	0.0578 0.0835	3.34	16.6 16.8		9.9 0.96 3.2 1.05		< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00607 0.00665	0.013 0.02
CM_CC1	CM CC1 WS 2022-03-01 N	2022-03-01		0.049	116	0.0768	0.035	3.99	20.2		5.8 0.74		< 0.00010	< 0.00030	0.00665	0.02
CM_CC1	CM_CC1_WS_2022-03-22_N	2022-03-22		0.033	111	0.0257	0.0304	3.13	21.2	< 0.000010 2	27 0.74	0.000031	< 0.00010	< 0.00030	0.00646	0.0055
CM_CC1	CM_CC1_WS_2022-03-29_N	2022-03-29		0.037	115	0.0264	0.0305	3.28	21.3		9 0.77		< 0.00010	< 0.00030	0.00641	0.0057
CM_CC1 CM_CC1	CM_CC1_WS_2022-04-05_N CM_CC1_WS_2022-04-12_N	2022-04-05 2022-04-12		0.036	104	0.0369 0.0294	0.0306 0.0299	3.24 2.8	16 15.9		6.1 0.71 1.8 0.91		< 0.00010 < 0.00010	< 0.00060 < 0.00030	0.00537 0.00584	0.0065 0.0072
CM_CC1	CM CC1 WS 2022-04-12 N	2022-04-12			108	0.0278	0.0299	2.91	16.2		1.2 0.88		< 0.00010	< 0.00030	0.00547	0.0072
CM_CC1	CM_CC1_WS_2022-04-26_N	2022-04-26		0.049	103	0.0284	0.029	3.06	15.9		5.5 0.86	0.00003	< 0.00010	< 0.00030	0.00567	0.0065
CM_CC1	CM_CC1_WS_2022-05-03_N	2022-05-03		0.044	103	0.03575	0.0337	3.045	13.55		2.4 0.81		< 0.00010	< 0.00060	0.004915	0.00675
CM_CC1	CM_CC1_2022-05-06_N2	2022-05-06	772	0.054	87.4	0.0757	0.0527	3.32	11.7		5.7 0.9	0.000038	< 0.00010	0.00047	0.00482	0.0097
CM_CC1 CM_CC1	CM_CC1_2022-05-06_N1 CM_CC1_2022-05-07_N1	2022-05-06 2022-05-07	-	-	-	-	-	-	-	-		-	-	-	-	-
CM CC1	CM_CC1_2022-03-07_N1 CM_CC1_WS_2022-05-10_N	2022-05-07	-	-	+ -	-	-	-	-			-	-	-	-	-
CM_CC1	CM CC1 WS 2022-05-17 N	2022-05-17	694	0.058	77.3	0.0479	0.0394	2.9	16	< 0.000010 5	3 0.74	0.000039	< 0.00010	0.00079	0.00419	0.0177
CM_CC1	CM_NNP_WS_2022-05-17_N	2022-05-17	731	0.047	82.6	0.06745	0.05605	3.01	13.55	< 0.000010 33	7.1 0.76	0.0000415	< 0.00010	0.000635	0.00474	0.0204
CM_CC1	CM_CC1_WS_2022-05-24_N	2022-05-24	- 704	- 0.04	-	- 0.0540	- 0.0470	-	- 40.0	- < 0.000010 3 ⁻		0.000037		- 0.00054	- 0.00505	0.0171
CM_CC1 CM_CC1	CM_CC1_WS_2022-05-31_N CM_CC1_WS_2022-06-07_N	2022-05-31 2022-06-07	721 637	0.04	85.9 76.1	0.0519 0.0328	0.0479 0.0365	2.92	18.6 19		1.8 0.69 1.9 0.52	0.000037	< 0.00010 < 0.00010	0.00051 0.0012	0.00505 0.00429	0.0171
CM CC1	CM CC1 WS 2022-06-14 N	2022-06-14	654	0.029	64.8	0.0422	0.0399	2.46	17		3.3 0.49		< 0.00010	0.00099	0.00407	0.0297
CM_CC1	CM_CC1_WS_2022-06-21_N	2022-06-21	538	0.02	59.3	0.0388	0.034	2.16	15		0.3 0.41	0.000037	< 0.00010	0.00895	0.00381	0.0313
CM_CC1	CM_CC1_WS_2022-06-28_N	2022-06-28	602	0.026	62.65	0.03825	0.0397	2.365	14.4		7.8 0.45		< 0.00010	0.00046	0.00348	0.0328
CM_CC1 CM_CC1	CM_CC1_WS_2022-07-05_N CM_NNP_WS_2022-07-12_N	2022-07-05 2022-07-12	798 834	0.038	89.3 95.8	0.0563 0.0568	0.0598 0.0622	3.02	16.8 17		6.2 0.69 6.3 0.68		< 0.00010 < 0.00010	0.00035 0.00094	0.00526 0.00535	0.0333 0.0229
CM_CC1	CM CC1 WS 2022-07-12 N	2022-07-12	- 034	0.036	95.6	-	0.0622	3.05	- 17			0.000042	- 0.00010	< 0.00094	0.00535	0.0229
CM CC1	CM CC1 WS 2022-08-02 N	2022-08-02	971	0.041	101.5	0.05855	0.07515	3.5	19.7		6.7 0.75	0.000051	< 0.00010	-	0.00647	0.0135
CM_CC1	CM_NNP_WS_2022-08-02_N	2022-08-02	971	0.054	118.5	0.04865	0.0861	4.015	14.95	< 0.000010 38	5.5 0.91	0.000056	< 0.00010	-	0.00687	0.00485
CM_CC1	CM_CC1_2022-08-25_N1	2022-08-25	-	-	-	-	-	-	-	†		-	-	< 0.00030	-	-
CM_CC1 CM CC1	CM_CC1_WS_2022-09-06_N CM_CC1_WS_SEPT-2022_N	2022-09-06 2022-09-08	1027	0.049	120	0.0251	0.06915	3.765	16.15		 5.5 0.91	0.0000495	< 0.00010	< 0.00030	0.00556	0.00335
CM_CC1	CM CC1 WS 2022-10-04 N	2022-10-04	1040		110	0.0249	0.0648	3.82	14.7		32 0.85		< 0.00010	< 0.00030	0.00593	0.0035
CM_CC1	CM_CC1_WS_2022-11-01_N	2022-11-01		0.039	122	0.0142	0.0466	3.5	15.4	< 0.000010 2	28 0.75	0.000037	< 0.00010	< 0.00030	0.00579	< 0.0030
CM_CC1	CM_CC1_WS_2022-12-06_N	2022-12-06				0.0226	0.0444	3.58				0.000036				0.0039
CM_CCOFF	CM_CCOFF_WS_2022-01-04_NP	2022-01-06				0.0289	0.03215		17.35			0.0000325	< 0.00010	< 0.00030		0.00335
CM_CCOFF CM CCOFF	CM_CCOFF_WS_2022-01-11_NP CM_CCOFF_WS_2022-01-18_NP	2022-01-11 2022-01-18		0.074	118 112	0.0363 0.0218	0.0387 0.0312	3.41 3.18		< 0.000010 63 < 0.000010 44	3.8 1.19 4.7 0.98	0.000052 0.000046	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00622 0.00679	0.0354 0.0296
CM_CCOFF	CM CCOFF WS 2022-01-16 NP CM CCOFF WS 2022-01-19 NP	2022-01-18				0.0218	0.0312	3.16			32 0.81		< 0.00010	< 0.00030	0.00679	0.0290
CM_CCOFF	CM_CCOFF_WS_2022-01-25_NP	2022-01-25	1110	0.038	134	0.0108	0.028	3.43	31.8	< 0.000010 30	0.84	0.000047	< 0.00010	< 0.00030	0.00796	0.0248
CM_CCOFF	CM_CCOFF_WS_2022-02-01_NP	2022-02-02			141	0.0087	0.0266	3.6			7.3 0.77		< 0.00010	< 0.00030	0.00853	0.0223
CM_CCOFF CM CCOFF	CM_CCOFF_WS_2022-02-08_N CM_CCOFF_WS_2022-02-15_NP	2022-02-08 2022-02-15			140 137	0.00805 0.00795	0.0256 0.0261	3.54 3.65			3.1 0.78		< 0.00020 < 0.00010	< 0.00060 < 0.00030	0.00798 0.00874	0.0203 0.019
CM_CCOFF	CM CCOFF WS 2022-02-15 NP	2022-02-15			156	0.00793	0.0261	3.57	33		3.8 0.78		< 0.00010	< 0.00030	0.00874	0.019
CM_CCOFF	CM CCOFF WS 2022-03-01 NP			0.034		0.00684	0.0266	3.5			6.3 0.78		< 0.00010	< 0.00060	0.00873	0.0201
CM_CCOFF	CM_CCOFF_WS_2022-03-08_NP	2022-03-08	1220	0.035	146	0.00693	0.0264	3.57	31.8	< 0.000020 26	3.1 0.81	0.000047	< 0.00020	< 0.00060	0.00934	0.0172
CM_CCOFF	CM_CCOFF_WS_2022-03-15_NP		1200		142	0.00887	0.0243	4.03			9.3 0.84		< 0.00010	< 0.00030	0.00886	0.0159
CM_CCOFF CM_CCOFF	CM_CCOFF_WS_2022-03-22_NP CM_CCOFF_WS_2022-03-29_NP	2022-03-22 2022-03-29		0.036	144 146	0.00818 0.00864	0.026 0.0254	3.74 3.75			3.8 0.82 3.9 0.84		< 0.00020 < 0.00010	< 0.00060 < 0.00030	0.00936 0.00886	0.0144 0.0135
CM_CCOFF	CM_CCOFF_WS_2022-03-29_NP CM_CCOFF_WS_2022-04-05_NP	2022-03-29			136	0.0168	0.0254	3.75			7.2 0.84		< 0.00010			0.0196
55551 i	3.11_00011_110_2022_01-00_111	2022-07-00	1.70	0.000	.00	,	0.0270	0.12		2.220010	.2 0.04	0.00007	- 0.00010	0.00100	0.00700	1.0100

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						
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Sample	Sample	Sample Date	Har	Alu	Au	Ars	Bar	Ber	Bis	Boı	Ğ	S	ਤ ਹੈ	ပိ	8	<u>10</u>	Le
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/	L	mg/L
						Φ.	nic	nic		nic				a ii		Φ	a l ic
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50 W60 5W41						⋖	<u></u>	<u>ਨ</u>		<u>5</u>	 	<u> </u>				₹ .	<u> </u>
BC WQG FWAL Coal Mountain Mine			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
CM CCOFF	CM CCOFF WS 2022-04-12 NP	2022-04-12	1050	0.0176	0.00032	0.00021	0.0278	0.000058	< 0.000050	0.129	0.000303	226	0.00065	0.00644	0.0006	0.306	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-04-19_NP		1070	0.014	0.00035	0.00021	0.0298	0.000034	< 0.000050	0.118	0.000257	263	0.00014	0.00438	< 0.00050	0.204	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-04-26_NP		1060	0.0355	0.00032	< 0.00020	0.0281	< 0.040	< 0.000100	0.124	0.000199	227	< 0.00020	0.0031	< 0.00100	0.2	< 0.000100
CM_CCOFF CM CCOFF	CM_CCOFF_WS_2022-05-03_NP CM_CCOFF_2022-05-06_NP1	2022-05-03 2022-05-06	912 878	0.0529 0.0544	0.00033 0.00036	0.00021	0.0293 0.0295	0.000026	< 0.000050 < 0.000050	0.122	0.00021 0.000139	222 192	0.00018 0.0002	0.00269 0.00393	< 0.00050 0.00056	0.202	0.000079 0.000086
CM CCOFF	CM CCOFF 2022-05-06 NP1	2022-05-06	-	-	-	- 0.00019	- 0.0295	-	-	0.123	- 0.000139	- 192	- 0.0002	0.00393	-	0.287	-
CM_CCOFF	CM_CCOFF_WS_2022-05-10_NP	2022-05-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_CCOFF	CM_CCOFF_WS_2022-05-17_NP	2022-05-17	825	0.0846	0.00033	0.0003	0.0294	0.000051	< 0.000050	0.093	0.000359	168	0.00034	0.00396	0.00088	0.311	0.000205
CM_CCOFF	CM_CCOFF_WS_2022-05-24_NP	2022-05-24	776	0.0372	0.00031	0.00025	0.0221	0.000026	< 0.000050	0.085	0.00036	178	0.00032	0.00176	0.00068	0.143	0.000065
CM_CCOFF CM CCOFF	CM_CCOFF_WS_2022-05-31_NP CM_CCOFF_WS_2022-06-07_NP	2022-05-31 2022-06-07	750 691	0.032 0.0527	0.00028 0.0003	0.00015 0.00022	0.0189 0.0194	< 0.020 < 0.020	< 0.000050 < 0.000050	0.044 0.038	0.000415 0.000434	154 141	0.0002 0.0002	0.00086 0.00083	< 0.00050 < 0.00050	0.071 0.107	< 0.000050 0.000123
CM_CCOFF	CM CCOFF WS 2022-06-14 NP	2022-06-15	642	0.0327	0.0003	0.00022	0.0134	< 0.020	< 0.000050	0.034	0.000434	136	0.0002	0.0003	0.0005	0.107	0.000123
CM_CCOFF	CM_CCOFF_WS_2022-06-21_NP	2022-06-21	591	0.0963	0.00031	0.0003	0.0191	< 0.020	< 0.000050	0.032	0.000701	129	0.00035	0.00097	0.00066	0.16	0.000103
CM_CCOFF	CM_CCOFF_WS_2022-06-28_NP	2022-06-28	708	0.0207	0.0003	0.00019	0.0175	< 0.020	< 0.000050	0.04	0.000735	130	0.00016	0.00155	0.00054	0.071	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-07-05_NP	_	806	0.0172	0.00032	0.00021	0.0218	< 0.020	< 0.000050	0.046	0.000848	193	0.00016	0.00142	< 0.00050	0.074	< 0.000050
CM_CCOFF CM CCOFF	CM_CCOFF_WS_2022-07-12_NP CM_CCOFF_WS_2022-07-19_NP		988 1170	0.0516 0.015	0.00029 0.00031	0.00024 0.00025	0.0256 0.024	< 0.020 < 0.020	< 0.000050 < 0.000050	0.048 0.041	0.000732 0.000974	174 218	0.0002 0.00017	0.00074 0.0005	< 0.00050 < 0.00050	0.151 0.042	0.000065 < 0.000050
CM CCOFF	CM CCOFF WS 2022-07-19 NP		1100	0.0203	0.00031	0.00023	0.0259	< 0.020	< 0.000050	0.059	0.000974	229	0.00017	0.00055	< 0.00050	0.042	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-08-02_NP	_	1180	0.0099	0.00032	0.00023	0.0258	< 0.020	< 0.000050	0.062	0.000788	234	0.00013	0.00048	< 0.00050	0.053	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-08-09_NP		1180	0.0333	0.00031	0.00025	0.0263	< 0.020	< 0.000050	0.06	0.000651	259	0.00015	0.00058	< 0.00050	0.079	0.000052
CM_CCOFF CM CCOFF	CM_CCOFF_WS_2022-08-16_NP CM_CCOFF_WS_SESMP_2022-08_N	_	1310 1210	0.0155 0.0244	0.00033 0.00029	0.00018	0.025 0.0256	< 0.020 < 0.020	< 0.000050 < 0.000050	0.066 0.056	0.000606 0.000521	256 271	0.00014 0.00017	0.00041 0.00048	< 0.00050 < 0.00050	0.039	< 0.000050 < 0.000050
CM_CCOFF	CM CCOFF WS 2022-08-1N		1220	0.0244	0.00029	0.00023	0.0256	< 0.020	< 0.000050	0.030	0.000521	272	0.00017	0.00048	0.00066	0.03	< 0.000050
CM_CCOFF	CM_CCOFF_2022-08-25_NP1		1340	0.0086	0.00028	0.0002	0.0243	< 0.020	< 0.000050	0.057	0.000573	253	0.00013	0.00032	< 0.00050	0.027	< 0.000050
CM_CCOFF	CM_CCOFF_2022-08-25_NP2	2022-08-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_CCOFF	CM_CCOFF_2022-08-25_NP3	2022-08-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_CCOFF CM CCOFF	CM_CCOFF_WS_2022-08-30_NP CM_CCOFF_WS_2022-09-06_NP	2022-08-30 2022-09-06	- 1250	0.0219	0.00028	0.00018	0.0259	< 0.020	< 0.000050	0.064	0.000517	258	0.00012	0.00035	< 0.00050	0.037	< 0.000050
CM CCOFF	CM CCOFF WS 2022-09-13 NP	_	1350	0.02	0.00032	0.00016	0.0262	< 0.040	< 0.000100	0.07	0.000489	264	< 0.00012	0.00043	< 0.00100	0.041	< 0.000100
CM_CCOFF	CM_CCOFF_WS_2022-09-20_NP		1280	0.0105	0.0003	< 0.00020	0.0246	< 0.040	< 0.000100	0.071	0.000481	268	< 0.00020	0.00033	< 0.00100	< 0.020	< 0.000100
CM_CCOFF	CM_CCOFF_WS_2022-09-27_NP		1250	0.0094	0.00027	0.0002	0.0238	< 0.020	< 0.000050	0.067	0.000534	264	0.00012	0.00027	< 0.00050	0.016	< 0.000050
CM_CCOFF CM CCOFF	CM_CCOFF_WS_2022-10-04_NP CM_CCOFF_WS_2022-10-11_NP		1370 1360	0.0152 0.0209	0.00028 0.00028	0.00022	0.0229 0.0261	< 0.020 < 0.020	< 0.000050 < 0.000050	0.058 0.051	0.000485 0.000459	274 282	0.00013 0.00018	0.00028 0.00031	< 0.00050 < 0.00050	0.02 0.023	< 0.000050 < 0.000050
CM_CCOFF	CM CCOFF WS 2022-10-11 NP		1370	0.0209	0.00029	0.00028	0.025	< 0.020	< 0.000050	0.031	0.000439	291	0.00018	0.00031	< 0.00050	0.023	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-10-25_NP	2022-10-25	1410	0.0115	0.0003	< 0.00020	0.0266	< 0.040	< 0.000100	0.071	0.000559	305	< 0.00020	0.00033	< 0.00100	0.044	< 0.000100
CM_CCOFF	CM_CCOFF_WS_2022-11-01_NP		1350	0.0245	0.00028	0.00024	0.0258	< 0.020	< 0.000050	0.052	0.000525	295	0.00012	0.00034	0.0005	0.039	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-11-08_NP		1260	0.128	0.00028	0.00025	0.0274	< 0.020	< 0.000050	0.088	0.000265	274	0.00041	0.00068	< 0.00050	0.173	0.000104
CM_CCOFF CM CCOFF	CM_CCOFF_WS_2022-11-15_NP CM_CCOFF_WS_2022-11-22_NP		1170 1350	0.0433 0.0187	0.0003 0.00032	0.00021	0.0306 0.0259	< 0.040 0.000028	< 0.000100 < 0.000050	0.098	0.000214 0.000234	255 274	0.0002 0.00018	0.00283 0.00376	< 0.00100 0.0005	0.127 0.135	< 0.000100 < 0.000050
CM_CCOFF	CM CCOFF WS 2022-11-29 NP		1220	0.0156	0.00032	0.00021	0.0259	0.000023	< 0.000050	0.118	0.000234	281	0.00018	0.00376	0.00061	0.133	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-12-06_NP	2022-12-07	1460	0.0088	0.0003	0.00022	0.0256	< 0.020	< 0.000050	0.091	0.000226	267	0.00013	0.00273	< 0.00050	0.11	< 0.000050
CM_CCOFF	CM_CCOFF_WS_2022-12-13_NP	_	1360	0.009	0.00029	< 0.00020	0.0309	< 0.040	< 0.000100	0.074	0.00021	297	< 0.00020	0.0015	< 0.00100	0.076	< 0.000100
CM_CCOFF CM_SPD	CM_CCOFF_WS_2022-12-28_NP CM_NNP_WS_2022-01-04_N	_	1400 1320	0.0085 0.018	0.00029 0.00027	0.00019	0.0256 0.027	< 0.020 < 0.020	< 0.000050 < 0.000050	0.094 0.11	0.000181 0.000122	248 274	< 0.00010 0.00015	0.00139 0.00105	< 0.00050 < 0.00050	0.154 0.135	< 0.000050 < 0.000050
CM_SPD CM_SPD	CM_NNP_WS_2022-01-04_N CM_SPD_WS_2022-01-11_N	_	727	0.018	0.00027	0.00017	0.027	< 0.020	< 0.000050	0.087667	0.000122	190.35	< 0.00015	0.00105	< 0.00050	0.135	< 0.000050
CM_SPD	CM_SPD_WS_2022-01-11_IV		1030	0.0176	0.00056	0.000173	0.0212007	< 0.020	< 0.000050	0.007007	0.000131	235	< 0.00010	0.0242	< 0.00050	0.069	< 0.000050
CM_SPD	CM_NNP_WS_2022-02-01_N	_	1110	0.0098	0.00092	0.00022	0.0242	< 0.020	< 0.000050	0.134	0.00036	264	0.0017	0.033	< 0.00050	0.063	< 0.000050
CM_SPD	CM_SPD_WS_2022-03-01_N		550	0.00665	0.000525	0.00016	0.01165	< 0.020	< 0.000050	0.073	0.000173	135.025	< 0.00010	0.01595	< 0.00050	0.03	< 0.000050
CM_SPD CM_SPD	CM_SPD_WS_2022-03-15_N CM_SPD_WS_2022-03-22_N		1120 1100	0.0163 0.0101	0.00054 0.00045	0.0002	0.0295 0.0299	< 0.040 < 0.020	< 0.000100 < 0.000050	0.075 0.059	0.000126 0.0000692	248 249	< 0.00020 < 0.00010	0.0172 0.0135	< 0.00100 < 0.00050	0.033 0.024	< 0.000100 < 0.000050
CIVI_3FD	OW_OF D_VV O_ZUZZ-U3-ZZ_IV	2022-03-22	1100	0.0101	0.00040	0.00017	0.0299	→ 0.020	~ 0.000000	0.009	0.0000082	248	~ 0.000 IU	0.0133	~ 0.00000	0.024	` 0.000000

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

Sample S											Total Metals						
Column C											Total Metals						
8 WORTHMAL No. No.		•	<u> </u>	Hardness	Lithi			ž	Potassium	Se			Thallium	Ë	Titanium		
	Location	טו	(mm/aa/yyyy)	mg/L	mg/L	mg/L	· · · · · · · · · · · · · · · · · · ·	•	mg/L			mg/L	mg/L	mg/L	mg/L		
Code Househan Mane Cut Cooff Cut Coo							Acute	Chroni		Chroni	Acute					Chroni	Acute
CM_COOFF DM_COOFF WS_2022-0-12 NPT	-			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
CM COSEF CM COSEF WS 2020-4-10 NP 2022-4-10 100 DC77 148		CM CCOFF WE 2022 04 12 ND	2022 04 12	1050	0.071	120	0.0402	0.0410	2.10	22.2	< 0.000010 73	1 27	0.000054	< 0.00010	< 0.00020	0.00777	0.0247
CH COCK CM COCK W 2002-1-0.5 P 2002-1-0.5																	
CM COOFF																	
CM_CCCFF CM_CCCFF_WS_2022-66_F1_NPT		CM_CCOFF_WS_2022-05-03_NP	2022-05-03	912	0.074	125	0.0288	0.0314	3.32	24	< 0.000010 69.1	1.05	0.000043	< 0.00010	0.00092	0.0065	0.0204
CM CCOFF M 2020-65-10 MP 2020-				878	0.096			0.0353	3.27	18.8	< 0.000010 93.4	1.23	0.000052	< 0.00010	< 0.00090	0.0057	+
CM_COCPF M_COCPF W_S_2022-64-17 PP				-				-				-	-		1		
CM CCOFF CM CCOFF W2022-654 NP 2022-654 776 0.005 101 8.0771 0.0265 3 22.4 < 0.000010 50.5 0.76 0.000043 0.00001 0.00001 0.0000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.0000001 0.000001 0.000001 0.000001 0.000001 0.0000001 0.000001 0.00				825				U U353				- 0.88	0.000044				
CM COCFF CM COCFF WS 2022-653 I MP 2022-653 I MP 2022-657					_	_											
CM_CCOFF CM_CCOFF WS_0022-06-7 MP 2022-06-7 691 0.025 \$1.9					_	_											
CM_CCOFF CM_CCOFF WS_2022-08-21 NP 2022-06-21 S91 0.021 78.1		CM_CCOFF_WS_2022-06-07_NP					0.00843										0.0303
CM_CCOFF		CM_CCOFF_WS_2022-06-14_NP				73.8		0.0246						< 0.00010		0.00396	
CM_CCOFF																	
CM CCOFF (M CCOFF WS 2022-07-12 NP 2022-07-12 S98) 0.028 9.8 0.00742 0.037 3.34 8.6 9 < 0.000010 1.71 0.52 0.000042 0.00001 0.00008 0.00008 0.						_											
CM CCOFF CM CCOFF WS 2022-07-18 NP 2022-07-20 1700 10.088 134 0.09472 0.037 3.34 3.69																	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						
Sample	Sample	Sample Date	Hardness	Aluminum	Antimony	Arsenic	Barium*	Beryllium*	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead
Location	ID .	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg	/L	mg/L
						Acute	Chronic	Chronic		Chronic				Acute Chronic		Acute	Acute
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Coal Mountain Mine				1		ı		1	1	ı		ı	•		1	1	
CM_SPD	CM_SPD_WS_2022-03-29_N	2022-03-29	1170	0.0146	0.00045	< 0.00020	0.0313	< 0.040	< 0.000100	0.072	0.0000694	261	< 0.00020	0.0141	< 0.00100	0.025	< 0.000100
CM_SPD	CM_SPD_WS_2022-04-05_N	2022-04-05	977	0.0541	0.00039	0.00021	0.0339	< 0.020	< 0.000050	0.058	0.0000734	216	0.00015	0.0123	< 0.00050	0.074	0.000075
CM_SPD	CM_SPD_WS_2022-04-12_N	2022-04-12	1010	0.024	0.00038	0.00025	0.0311	< 0.020	< 0.000050	0.051	0.0000927	218	0.00022	0.011	< 0.00050	0.054	< 0.000050
CM_SPD	CM_SPD_WS_2022-04-19_N	2022-04-19	991	0.0202	0.00039	0.00018	0.0308	< 0.020	< 0.000050	0.053	0.0000761	231	< 0.00010	0.0121	< 0.00050	0.048	< 0.000050
CM_SPD CM_SPD	CM_SPD_WS_2022-04-26_N CM_SPD_WS_2022-04-27_N	2022-04-26 2022-04-27	1000 903	0.0238 0.0372	0.00038 0.00038	< 0.00020 0.00017	0.0311 0.0318	< 0.040 < 0.020	< 0.000100 < 0.000050	0.064 0.064	0.0000784 0.0000684	230	< 0.00020 < 0.00010	0.0131 0.0113	< 0.00100 < 0.00050	0.045	< 0.000100 < 0.000050
CM_SPD	CM_SPD_WS_2022-04-27_N CM_SPD_WS_2022-04-28_N	2022-04-27	888	0.0372	0.00038	0.00017	0.0318	< 0.020	< 0.000050	0.064	0.0000849	223	0.00010	0.0113	< 0.00050	0.047	0.000057
CM_SPD	CM SPD WS 2022-04-28 N	2022-04-28	899	0.0373	0.00041	0.00023	0.0339	< 0.020	< 0.000050	0.064	0.0000849	226	0.00011	0.0123	< 0.00050	0.065	< 0.000057
CM_SPD	CM_SFD_WS_2022-04-29_N CM_SPD_WS_2022-05-03_N	2022-04-29	910	0.0400	0.00039	0.0002	0.0323	< 0.020	< 0.000050	0.000	0.0000880	206	< 0.00011	0.0128	< 0.00050	0.003	0.000055
CM_SPD	CM SPD 2022-05-06 N2	2022-05-05	820	0.0414	0.00045	0.00018	0.0321	< 0.020	< 0.000050	0.075	0.00011	198	0.00010	0.0196	< 0.00050	0.074	0.000055
CM SPD	CM_SPD_2022-05-06_N2 CM_SPD_2022-05-06_N1	2022-05-06	-	0.0461	0.00045	0.00021	-	- 0.020	< 0.000050	0.061	0.000147	190	0.00014	-	< 0.00050	0.093	0.00004
CM_SPD	CM_SFD_2022-05-06_N1 CM_SPD_2022-05-07_N1	2022-05-00	-	-	-	-	-	-		-	-	-	-	-	-	-	
CM_SPD	CM NNP WS 2022-05-10 N	2022-05-07		-	-	-	-	-	-	_	-	-	-	_	-		_
CM_SPD	CM_NNF_W3_2022-03-10_N CM_SPD_WS_2022-05-17_N	2022-05-10	478	0.03166667	0.000333333	0.000187	0.0261333	< 0.020	< 0.000050	0.049	0.000153	113.35	0.00018333	0.01086667	0.00053667	0.055667	0.000086
CM SPD	CM NNP WS 2022-05-17 N	2022-05-17	838	0.0452	0.00057	0.000107	0.0299	< 0.020	< 0.000050	0.099	0.000133	197	0.00010333	0.0228	0.00058	0.033007	0.00006
CM SPD	CM NNP WS 2022-05-31 N	2022-05-24	565	0.0342	0.00037	0.00024	0.0233	< 0.020	< 0.000050	0.061333	0.000200	127.68333	0.00017	0.01573333	< 0.00050	0.040333	< 0.000050
CM SPD	CM NNP WS 2022-06-07 N	2022-05-07	560	0.02196667	0.00041	0.000157	0.0183333	< 0.020	< 0.000050	0.065667	0.000177	128.68333	< 0.00011	0.01616667	< 0.00050	0.040333	< 0.000050
CM SPD	CM SPD WS 2022-06-07 N	2022-06-14	557	0.02313333	0.000433333	0.000137	0.0166	< 0.020	< 0.000050	0.005007	0.000104007	136.68333	0.00011333	0.02113333	< 0.00050	0.057555	< 0.000050
CM SPD	CM SPD 2022-06-15 N1	2022-06-15	712	0.227	0.00041	0.000200	0.0389	0.000037	< 0.000050	0.070000	0.000122	167	0.00036	0.023	0.00078	0.212	0.000277
CM SPD	CM SPD WS 2022-06-21 N	2022-06-21	-	-	-	-	-	-	- 0.000000	-	-	-	-	-	-	-	-
CM SPD	CM SPD WS 2022-06-28 N	2022-06-28	858	0.0359	0.00057	0.00029	0.0278	< 0.020	< 0.000050	0.104	0.000191	194	0.00013	0.0298	< 0.00050	0.081	< 0.000050
CM SPD	CM NNP WS 2022-07-05 N	2022-07-05	990	0.0159	0.00076	0.00026	0.0232	< 0.020	< 0.000050	0.093	0.000219	241	0.00011	0.0361	< 0.00050	0.058	< 0.000050
CM SPD	CM SPD WS 2022-07-12 N	2022-07-12	603	0.0195	0.00059	0.000247	0.014	< 0.020	< 0.000050	0.086667	0.000092	146.35	< 0.00011	0.02183333	< 0.00050	0.044	< 0.000050
CM SPD	CM SPD WS 2022-07-26 N	2022-07-26	1050	0.0143	0.00089	0.00028	0.0197	< 0.020	< 0.000050	0.142	0.000103	217	< 0.00010	0.0336	< 0.00050	0.049	< 0.000050
CM SPD	CM SPD WS 2022-08-02 N	2022-08-02	936	0.0105	0.001	0.00022	0.017	< 0.020	< 0.000050	0.125	0.000136	228	0.00014	0.0329	< 0.00050	0.042	< 0.000050
CM SPD	CM SPD WS 2022-08-09 N	2022-08-09	1020	0.0101	0.00106	0.00024	0.0176	< 0.020	< 0.000050	0.15	0.000218	249	0.00027	0.0306	< 0.00050	0.046	< 0.000050
CM SPD	CM SPD WS 2022-08-10 N	2022-08-10	962	0.0138	0.00106	0.00026	0.0168	< 0.020	< 0.000050	0.165	0.000238	232	< 0.00010	0.0267	< 0.00050	0.045	< 0.000050
CM_SPD	CM_SPD_WS_2022-08-11_N	2022-08-11	1020	0.0104	0.00107	0.00017	0.0172	< 0.020	< 0.000050	0.164	0.000224	267	< 0.00010	0.0272	< 0.00050	0.036	< 0.000050
CM_SPD	CM_SPD_WS_SESMP_2022-08_N	2022-08-16	1050	0.0169	0.00094	0.00018	0.0153	< 0.020	< 0.000050	0.148	0.000243	233	0.0006	0.0271	< 0.00050	0.04	< 0.000050
CM_SPD	CM_SPD_2022-08-25_N1	2022-08-25	968	0.0102	0.00102	0.00022	0.0157	< 0.020	< 0.000050	0.169	0.000269	227	< 0.00010	0.027	0.00052	0.04	< 0.000050
CM_SPD	CM_SPD_WS_2022-09-06_N	2022-09-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CM_SPD	CM_SPD_WS_2022-10-04_N	2022-10-04	966	0.016	0.00094	0.0003	0.0171	< 0.020	< 0.000050	0.152	0.000119	214	< 0.00010	0.0162	< 0.00050	0.032	< 0.000050
CM_SPD	CM_SPD_WS_2022-11-01_N	2022-11-01	714	0.01133333	0.000473333	0.0002	0.0154667	< 0.020	< 0.000050	0.072667	4.28333E-05	167.68333	< 0.00010	0.00746667	< 0.00050	0.017	< 0.000050
CM_SPD	CM_SPD_WS_2022-11-17_N	2022-11-17	1060	0.172	0.00055	0.00024	0.0275	< 0.020	< 0.000050	0.108	0.0000518	249	0.00022	0.0131	< 0.00050	0.074	0.000093

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

									Total Metals								
Sample	Sample	Sample Date H	Lithium	Magnesium	Manganese	Nickel*	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	ī.	Titanium	Uranium*	i	Zinc
Location	ID .	(mm/dd/yyyy) mg/L	mg/L		mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		g/L
			ŭ		Acute	Chronic	J	Chronic	Acute			, and the second	, and the second	ŭ	Chronic	Acute	Chronic
BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a	0.0075-2 ^a
Coal Mountain Mine																	-
CM_SPD	CM_SPD_WS_2022-03-29_N	2022-03-29 1170	0.054	128	0.0959	0.0866	4.07	9.44	< 0.000020		0.93	0.000039	< 0.00020	< 0.00060	0.00671		132
CM_SPD	CM_SPD_WS_2022-04-05_N	2022-04-05 977	0.044	106	0.0991	0.0646	3.65	8.19	< 0.000010	28.5	0.77	0.000033	< 0.00010	0.00145	0.00526	0.0	123
CM_SPD	CM_SPD_WS_2022-04-12_N		0.039	111	0.0854	0.0598	3.18	8.78	< 0.000010	27.7	0.77	0.000029	< 0.00010	0.00041	0.00553		126
CM_SPD	CM_SPD_WS_2022-04-19_N	2022-04-19 991	0.041	117	0.0895	0.0631	3.41	9.35	< 0.000010		0.83	0.00003	< 0.00010	< 0.00030	0.00541		124
CM_SPD	CM_SPD_WS_2022-04-26_N		0.045	119	0.0911	0.0681	3.66	9.3	< 0.000020		0.78	0.000026	< 0.00020	0.00079	0.00565		127
CM_SPD	CM_SPD_WS_2022-04-27_N	2022-04-27 903	0.046	114	0.0848	0.0625	3.44	9.61	< 0.000010		0.76	0.000031	< 0.00010	< 0.00090	0.00521)117
CM_SPD	CM_SPD_WS_2022-04-28_N	2022-04-28 888	0.043	109	0.0952	0.0652	3.58	9.85	< 0.000010		0.82	0.000031	< 0.00010	0.00056	0.00503		125
CM_SPD	CM_SPD_WS_2022-04-29_N	2022-04-29 899	0.041	99.3	0.0965	0.0667	3.43	8.7	< 0.000010		8.0	0.000031	< 0.00010	< 0.00120	0.00518		119
CM_SPD	CM_SPD_WS_2022-05-03_N		0.047		0.125	0.0783	3.61	7.7	< 0.000010		0.84	0.000035	< 0.00010	< 0.00540	0.00528		142
CM_SPD	CM_SPD_2022-05-06_N2	2022-05-06 820	0.047	90.6	0.148	0.088	3.83	9.07	< 0.000010		0.91	0.000042	< 0.00010	< 0.00090	0.00546	0.0	161
CM_SPD	CM_SPD_2022-05-06_N1	2022-05-06 -	-	-	-	-	-	-	-	-	-	-	-	-	-		-
CM_SPD	CM_SPD_2022-05-07_N1	2022-05-07 -	-	-	-	-	-	-	-	-	-	-	-	-	-		-
CM_SPD	CM_NNP_WS_2022-05-10_N	2022-05-10 -	-	-	-	-	-	-	-	-	-	-	-	-	-		-
CM_SPD	CM_SPD_WS_2022-05-17_N			55.44	0.076366667	0.0541		7.91667	< 0.000010		0.54	0.000029	< 0.00010		0.00303333		266667
CM_SPD	CM_NNP_WS_2022-05-24_N		0.052		0.152	0.112	3.67	8.5	< 0.000010		1.01	0.000055	< 0.00010	0.00109	0.00581		333
CM_SPD	CM_NNP_WS_2022-05-31_N	2022-05-31 565		60.44	0.101366667	0.0755		6.05667	< 0.000010		0.7	0.000038	< 0.00010		0.00437667		366667
CM_SPD	CM_NNP_WS_2022-06-07_N			58.24	0.096366667			5.54333	< 0.000010		0.65	0.00004	< 0.00010		0.00424667		333333
CM_SPD	CM_SPD_WS_2022-06-14_N	2022-06-14 557	0.04		0.139033333	0.090166667	2.68	3.85	< 0.000010		0.73		< 0.00010		0.00478333		833333
CM_SPD	CM_SPD_2022-06-15_N1		0.046	71.7	0.16	0.0987	3.26	5.18	0.00001	_	0.81	0.000052	< 0.00010	0.00832	0.00507	0.0)226
CM_SPD	CM_SPD_WS_2022-06-21_N	2022-06-21 -	-	-	-	-	-	-	-	-	-	-	-	-	-		-
CM_SPD	CM_SPD_WS_2022-06-28_N		0.056		0.192	0.129	3.88	6.52	0.000041		0.98	0.00005	< 0.00010	0.00094	0.00616		247
CM_SPD	CM_NNP_WS_2022-07-05_N	2022-07-05 990	0.068	98	0.214	0.162	4.6	5.23	< 0.000010		1.24	0.000064	< 0.00010	0.0005	0.00742)272
CM_SPD	CM_SPD_WS_2022-07-12_N			65.24	0.125366667	0.1045	2.9467	3.14	< 0.000010		0.78	0.000047	< 0.00010		0.00487333		833333
CM_SPD	CM_SPD_WS_2022-07-26_N		0.077	96.7	0.175	0.17	4.85	4.79	< 0.000010		1.28	0.000072	< 0.00010	0.00039	0.0077)147
CM_SPD	CM_SPD_WS_2022-08-02_N	2022-08-02 936	0.07	98.2	0.144	0.181	4.77	3.52	< 0.000010		1.28	0.000068	< 0.00010	< 0.00030	0.00786		086
CM_SPD	CM_SPD_WS_2022-08-09_N		0.085	114	0.128	0.182	5.46	4.01	< 0.000010		1.35	0.000077	< 0.00010	< 0.00030	0.00775		0069
CM_SPD	CM_SPD_WS_2022-08-10_N	2022-08-10 962	0.082	101	0.119	0.17	5.44	3.92	< 0.000010		1.32	0.000081	< 0.00010	0.00045	0.00785		0081
CM_SPD	CM_SPD_WS_2022-08-11_N		0.089	109	0.118	0.172	5.37	3.51	< 0.000010		1.36	0.000085	< 0.00010	< 0.00030	0.00785		0076
CM_SPD	CM_SPD_WS_SESMP_2022-08_N		0.075		0.118	0.165	4.67	3.3	< 0.000010		1.29	0.000064	< 0.00010	0.00054	0.00744		0094
CM_SPD	CM_SPD_2022-08-25_N1	2022-08-25 968	0.082	103	0.111	0.169	5.11	3.47	< 0.000010		1.39	0.000077	< 0.00010	< 0.00030	0.00808		0096
CM_SPD	CM_SPD_WS_2022-09-06_N	2022-09-06 -	- 0.07	- 400	- 0.0624	- 0.404	- 4.00	- 4 40	- 0.000040	-	-	- 0.000000		- 0.0004	- 0.0000		-
CM_SPD	CM_SPD_WS_2022-10-04_N	2022-10-04 966	0.07	103	0.0634	0.134	4.68	4.46	< 0.000010		1.2	0.000068	< 0.00010	0.0004	0.00606		0048
CM_SPD	CM_SPD_WS_2022-11-01_N	2022-11-01 714	0.043	82	0.030133333	0.077833333		3.57333	< 0.000010		0.78	0.000037	< 0.00010	0.00038	0.0047		0030
CM_SPD	CM_SPD_WS_2022-11-17_N	2022-11-17 1060	0.06	120	0.065	0.102	4.65	5.73	< 0.000010	39.4	1.06	0.000041	< 0.00010	0.00431	0.00653	0.0	0041

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						
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Sample	Sample	Sample Date	lar.	ale .		\r	3a.	Ber	<u>Bis</u>	ν	Çac	g	ا اج	Col	ğ	ō	9
Location	ID	(mm/dd/yyyy)	ma/l		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/	<u> </u>	mg/L
Locution	15	(IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	mg/L	mg/L	mg/L	mg/L	υ υ	g/L	mg/L	ing/L	mg/L	mg/L	mg/L	.:g/L	mg/	<u> </u>	
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BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation					1	1					1			,			
EV_AQ6	EV_AQ6_WS_2022-Q1_N	2022-01-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-02_MON_N	2022-02-07	370	0.0391	0.00014	0.00018	0.193	< 0.020	< 0.000050	0.017	0.0000193	83.7	< 0.00010	< 0.10	< 0.00050	0.047	0.00006
EV_AQ6	EV_AQ6_WS_2022-03_MON_N	2022-03-16	346	0.012	0.00015	0.00015	0.2	< 0.020	< 0.000050	0.017	0.0000079	78.7	< 0.00010	< 0.10	< 0.00050	0.012	< 0.000050
EV_AQ6	EV_AQ6_WS_2022-03_WEK13_N	2022-03-22	413	0.0128	0.00015	0.00018	0.2	< 0.020	< 0.000050	0.015	0.0000138	92.8	< 0.00010	< 0.10	< 0.00050	0.015	< 0.000050
EV_AQ6	EV_AQ6_WS_2022-03_WEK14_N	2022-03-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6 EV AQ6	EV_AQ6_WS_2022-04_WEK15_N	2022-04-04 2022-04-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-Q2_N EV_MC5_WS_2022-Q2_N	2022-04-12	379	0.0115	0.00019	0.00019	0.282	< 0.020	< 0.000050	0.02	0.0000135	103	< 0.00010	< 0.10	< 0.00050	0.017	< 0.000050
EV_AQ6	EV_MC5_WS_2022-Q2_N EV_MC7_WS_2022-Q2_N	2022-04-13	379	0.0093	0.00019	0.00019	0.282	< 0.020	< 0.000050	0.02	0.0000135	100	< 0.00010	< 0.10	< 0.00050	0.017	< 0.000050
EV_AQ6	EV_NIC7_W3_2022-Q2_N EV_AQ6_WS_2022-04_WEK17_N	2022-04-13	< 0.50		< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.019	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_AQ6	EV AQ6 WS 2022-04 WEK17 N	2022-04-16	- 0.50	- 0.0030	- 0.00010	- 0.00010	- 0.00010	- 0.020	- 0.000030	- 0.010	- 0.0030	- 0.030	- 0.00010	- 0.10	- 0.00030	- 0.010	- 0.000000
EV AQ6	EV AQ6 WS 2022-05 MON N	2022-05-03	-	-	_	-	-	-	_	-	_	-	-	_	-	-	-
EV AQ6	EV AQ6 WS 2022-05 WEK20 N	2022-05-11	361	< 0.0150	0.00015	0.00019	0.235	< 0.020	< 0.000050	0.019	0.0000058	91.7	< 0.00010	< 0.10	0.00107	0.013	0.000055
EV AQ6	EV AQ6 WS 2022-05 WEK21 N	2022-05-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV AQ6	EV AQ6 WS 2022-05 WEK22 N	2022-05-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-05_WEK23_N	2022-05-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_MC8_WS_2022-06_MON_N	2022-06-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_MC6_WS_2022-06_MON_N	2022-06-07	< 0.50	< 0.0030	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	0.051	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_AQ6	EV_AQ6_WS_2022-06_MON_N	2022-06-08	394	0.0071	0.00014	0.00017	0.193	< 0.020	< 0.000050	0.017	< 0.0050	77.5	0.00014	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_AQ6	EV_AQ6_WS_2022-06-13_N_1743	2022-06-13	355	0.0069	0.00014	0.00023	0.194	< 0.020	< 0.000050	0.018	< 0.0050	78.1	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_AQ6	EV_AQ6_WS_2022-06_WEK25_N	2022-06-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-06-14_N_1725	2022-06-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-06-14_N_0650	2022-06-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-06_WEK26_N	2022-06-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-06_WEK27_N	2022-06-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-Q3_N	2022-07-06	-	-	- 0.00044	- 0.00004	- 0.000		- 0.000050	- 0.040	- 0.0050	- 07.0	-	- 10.10	- 0.00000	- 0.040	
EV_AQ6	EV_MC6_WS_2022-Q3_N	2022-07-06	389	0.019	0.00014	0.00024	0.238	< 0.020	< 0.000050	0.018	< 0.0050	87.6	< 0.00010 < 0.00010	< 0.10 < 0.10	0.00069 < 0.00050	0.013	< 0.000050 < 0.000050
EV_AQ6 EV AQ6	EV_MC8_WS_2022-Q3_N EV_AQ6_WS_2022-07_WEK29_N	2022-07-06 2022-07-12	372 < 0.50	0.0064 < 0.0030	0.00014 < 0.00010	0.00022 < 0.00010	0.231	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.018	0.0000053 < 0.0050	88.5 < 0.050	< 0.00010	< 0.10	< 0.00050	0.016 < 0.010	< 0.000050
EV_AQ6		2022-07-12	< 0.50	- 0.0030	- 0.00010	< 0.00010	< 0.00010	- 0.020	< 0.000050	- 0.010	< 0.0050	- 0.050	< 0.00010	- 0.10	< 0.00050	- 0.010	- 0.000050
EV_AQ6	EV_AQ6_WS_2022-08_MON_N EV_AQ6_WS_SESMP_2022_08_N	2022-08-11	318	0.0119	0.00014	0.00032	0.17	0.000025	< 0.000050	0.019	0.0000182	58.3	< 0.00010	< 0.10	< 0.00050	0.033	< 0.000050
EV_AQ6	EV AQ6 WS 2022-09 MON N	2022-09-07	305	0.0099	0.00014	0.00032	0.17	< 0.020	< 0.000050	0.019	< 0.0050	66.1	< 0.00010	< 0.10	< 0.00050	0.035	< 0.000050
EV AQ6	EV MC8 WS 2022-09 MON N	2022-09-07	302	0.0033	0.00014	0.00029	0.173	< 0.020	< 0.000050	0.02	< 0.0050	65.4	< 0.00010	< 0.10	< 0.00050	0.032	< 0.000050
EV AQ6	EV AQ6 WS 2022-09-08 N	2022-09-08	< 0.50	0.0054	< 0.00012	< 0.00010		< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV AQ6	EV AQ6 WS 2022-09-09 N	2022-09-09	305	0.0133	0.00012	0.00033	0.185	< 0.020	< 0.000050	0.019	0.0000052	57.2	< 0.00010	< 0.10	< 0.00050	0.034	< 0.000050
EV_AQ6	EV_AQ6_WS_2022-09-10_N	2022-09-10	288	0.016	0.00012	0.00034	0.193	< 0.020	< 0.000050	0.018	0.0000063	56.3	< 0.00010	< 0.10	< 0.00050	0.038	< 0.000050
EV_AQ6	EV_AQ6_WS_2022-Q4_N	2022-10-07	299	0.0171	0.00012	0.00034	0.188	< 0.020	< 0.000050	0.018	0.0000068	58.4	< 0.00010	< 0.10	< 0.00050	0.039	< 0.000050
EV_AQ6	EV_MC6_WS_2022-Q4_N	2022-10-07	294	0.012	0.0001	0.00015	0.156	< 0.020	< 0.000050	0.016	< 0.0050	54.5	< 0.00010	< 0.10	< 0.00050	0.036	< 0.000050
EV_AQ6	EV_MC8_WS_2022-Q4_N	2022-10-07	300	0.0102	0.00013	0.00022	0.174	< 0.020	< 0.000050	0.021	0.000008	59.6	< 0.00010	< 0.10	< 0.00050	0.036	< 0.000050
EV_AQ6	EV_AQ6_WS_2022-11_MON_N	2022-11-09	< 0.50	< 0.0030	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_AQ6	EV_MC6_WS_2022-11_MON_N	2022-11-09	386	0.0114	0.00014	0.00022	0.209	< 0.020	< 0.000050	0.019	0.0000065	81.9	< 0.00010	0.00011	< 0.00050	0.067	< 0.000050
EV_AQ6	EV_MC8_WS_2022-11_MON_N	2022-11-09	386	0.0114	0.00013	0.00021	0.209	< 0.020	< 0.000050	0.019	< 0.0050	82.4	< 0.00010	< 0.10	< 0.00050	0.064	< 0.000050
EV_BC1	EV_BC1_WS_2022-01-03_N-SRF	2022-01-03	< 0.50	< 0.0030	< 0.00010	< 0.00010	0.00038	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	0.00074	< 0.010	< 0.000050
EV_BC1	EV_BC1_WS_2022_Q1_N	2022-01-18	1380	< 0.0060	0.00062	0.0004	0.0664	< 0.040	< 0.000100	0.074	0.000113	275	< 0.00020	0.00053	< 0.00100	0.089	< 0.000100
EV_BC1	EV_BC1_WS_2022-01-18_N-SRF	2022-01-18	1530	0.007	0.0006	0.00025	0.0619	< 0.040	< 0.000100	0.068	0.000124	277	< 0.00020	0.0004	< 0.00100	0.06	< 0.000100
EV_BC1	EV_BC1_WS_2022-02-01_N-SRF	2022-02-01	1550	0.0103	0.00055	0.00027	0.0674	< 0.040	< 0.000100	0.068	0.000114	275	< 0.00020	0.00043	< 0.00100	0.064	< 0.000100
EV_BC1	EV_BC1_WS_2022-02_MON_N	2022-02-08	1630	< 0.0060	0.00061	0.00033	0.0647	< 0.040	< 0.000100	0.064	0.000147	306	< 0.00020	0.0004	< 0.00100	0.068	< 0.000100
EV_BC1 EV BC1	EV_BC1_WS_2022-02-15_N-SRF EV BC1 WS 2022-03-01 N-SRF	2022-02-15	1310	0.006	0.00105	0.00026	0.0908	< 0.040	< 0.000100 < 0.000100	0.048	0.0000685	251 248	< 0.00020	0.00024 < 0.20	< 0.00100	0.055	< 0.000100 < 0.000100
EV_BC1	EV_BC1_WS_2022-03-01_N-SRF EV_BC1_WS_2022-03-15_N-SRF	2022-03-01 2022-03-15	1360 1350	< 0.0060 0.0425	0.00103 0.00099	0.00022 0.00031	0.0941 0.0823	< 0.040 < 0.040	< 0.000100	0.043 0.048	0.0000321 0.0000882	248	< 0.00020 0.00021	0.00035	< 0.00100 < 0.00100	0.025 0.14	0.000100
LV_BC1	LV_DO1_VVO_ZUZZ-UO-10_IV-ORF	2022-03-15	1000	0.0420	0.00088	0.00031	0.0023	<u> </u>	<u> </u>	0.040	0.0000002	203	U.UUUZ I	0.00000	\ U.UU IUU	0.14	0.000170

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

									T-4-1 M-4-1-							
				1			1	l	Total Metals		1	I		1		1
Sample Location	Sample ID	Sample Date #	mg/L	Magnesium	Manganese Manganese	*a ay yo Z mg/L	Potassium	Selenium	Na/F	Sodium Wall	Strontium Strontium	mg/L	Ę mg/L	Titanium mg/L	mg/L	e IZ mg/L
			g	g	Acute	ronic	y .=	Chronic	ute ronic			y			Chronic	Acute Chronic
					\	<u> </u>			∢ ೮							<u> </u>
BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation	FV AOC M/C 2022 O4 N	2000 04 07	1	1	1		1	ı	T			Γ		1	1	
EV_AQ6 EV AQ6	EV_AQ6_WS_2022-Q1_N EV_AQ6_WS_2022-02_MON_N	2022-01-07 - 2022-02-07 370	0.017	38.7	0.00587	0.00088	1.44	4.99	< 0.000010	- 5.75	0.26	< 0.000010	< 0.00010	0.00073	0.0012	0.008
EV_AQ6	EV AQ6 WS 2022-02 MON N		0.017		0.00145	0.00069	1.48	5.59	< 0.000010		0.26		< 0.00010	< 0.00073	0.0012	0.0082
EV AQ6	EV AQ6 WS 2022-03 WEK13 N	2022-03-22 413	0.016		0.0018	0.00062	1.38	6.94	< 0.000010		0.27	< 0.000010	< 0.00010	< 0.00030	0.00118	0.0038
EV_AQ6	EV_AQ6_WS_2022-03_WEK14_N	2022-03-28 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-04_WEK15_N	2022-04-04 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-Q2_N	2022-04-12 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_MC5_WS_2022-Q2_N	2022-04-13 379			0.00119	0.00101	1.82	9.39	< 0.000010		0.33	< 0.000010	< 0.00010	< 0.00030	0.00137	0.0034
EV_AQ6	EV_MC7_WS_2022-Q2_N	2022-04-13 378	0.018		0.00122	0.00097	1.72	9.06	< 0.000010		0.32	< 0.000010	< 0.00010	< 0.00030	0.00132	0.0033
EV_AQ6 EV AQ6	EV_AQ6_WS_2022-04_WEK17_N			¢ 0.005	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010		0.000	< 0.000010	< 0.00010	< 0.00030	< 0.000010	
EV_AQ6	EV_AQ6_WS_2022-04_WEK18_N EV_AQ6_WS_2022-05_MON_N	2022-04-26 - 2022-05-03 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV AQ6 WS 2022-05 WEK20 N	2022-05-11 361	0.017		0.00164	0.00089	1.56	6.67	< 0.000010		0.28	< 0.000010	< 0.00010	< 0.00030	0.00121	0.0037
EV_AQ6	EV AQ6 WS 2022-05 WEK21 N	2022-05-16 -	-	-	-	-	-	-	-	-	-		- 0.00010	-	-	-
EV AQ6	EV AQ6 WS 2022-05 WEK22 N	2022-05-24 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV AQ6	EV AQ6 WS 2022-05 WEK23 N	2022-05-30 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_MC8_WS_2022-06_MON_N	2022-06-07 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_MC6_WS_2022-06_MON_N			0.023	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	0.05	0.000	< 0.000010	< 0.00010	< 0.00030	< 0.000010	
EV_AQ6	EV_AQ6_WS_2022-06_MON_N		0.015		0.00102	0.00082	1.41	4.75	< 0.000010		0.25	< 0.000010	< 0.00010	< 0.00030	0.00109	< 0.0030
EV_AQ6	EV_AQ6_WS_2022-06-13_N_1743	2022-06-13 355	0.017		0.00126	0.00074	1.5	4.4	< 0.000010		0.25	< 0.000010	< 0.00010	< 0.00030	0.00114	< 0.0030
EV_AQ6	EV AQ6 WS 2022-06 WEK25 N	2022-06-13 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6 EV AQ6	EV_AQ6_WS_2022-06-14_N_1725 EV_AQ6_WS_2022-06-14_N_0650	2022-06-14 - 2022-06-14 -	-	-	-	-	-	-	- -	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-06-14_N_0650 EV_AQ6_WS_2022-06_WEK26_N	2022-06-14 - 2022-06-21 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_2022-06_WER26_N EV_AQ6_WS_2022-06_WER27_N	2022-06-28 -	-	+-	-	<u> </u>	-	-		-	+-	-	-	-		_
EV_AQ6	EV AQ6 WS 2022-Q3 N	2022-07-06 -	_	-	-	-	_	_	-	-	-	_	-	-	_	-
EV AQ6	EV MC6 WS 2022-Q3 N		0.016	36.3	0.00273	0.00072	1.46	4.8	< 0.000010	7.28	0.28	< 0.000010	< 0.00010	< 0.00030	0.00104	< 0.0030
EV_AQ6	EV_MC8_WS_2022-Q3_N		0.016		0.00303	0.00075	1.46	4.97	< 0.000010		0.28	< 0.000010	< 0.00010	< 0.00030	0.00105	< 0.0030
EV_AQ6	EV_AQ6_WS_2022-07_WEK29_N	2022-07-12 < 0.50	< 0.001	(< 0.005)	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	0.05	0.000	< 0.000010	< 0.00010	< 0.00030	< 0.000010	< 0.0030
EV_AQ6	EV_AQ6_WS_2022-08_MON_N	2022-08-10 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_AQ6	EV_AQ6_WS_SESMP_2022_08_N	2022-08-11 318			0.01	0.00124	1.42	4.32	< 0.000010		0.21	0.000014	< 0.00010	< 0.00030	0.000879	< 0.0030
EV_AQ6	EV_AQ6_WS_2022-09_MON_N	2022-09-07 305	0.016		0.0108	0.00076	1.4	4.4	< 0.000010	_	0.22	< 0.000010	< 0.00010	< 0.00030	0.000902	< 0.0030
EV_AQ6 EV AQ6	EV_MC8_WS_2022-09_MON_N EV_AQ6_WS_2022-09-08_N	2022-09-07 302 2022-09-08 < 0.50	0.019	43.5 (< 0.005)	0.00676 < 0.00010	0.00072 < 0.00050	1.43	4.25 < 0.050	< 0.000010 < 0.000010		0.26	< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.000808 < 0.000010	< 0.0030 < 0.0030
EV_AQ6	EV_AQ6_WS_2022-09-06_N EV_AQ6_WS_2022-09-09_N	2022-09-09 305	_		0.00838	0.0009	1.39		< 0.000010		_	< 0.000010			0.000772	
EV_AQ6	EV AQ6 WS 2022-09-09 N			34.2	0.00678	0.00102	1.36	4.21	< 0.000010		0.21		< 0.00010		0.000772	< 0.0030
EV AQ6	EV AQ6 WS 2022-Q4 N		0.016		0.00671	0.00096	1.46	4.17	< 0.000010		0.22		< 0.00010	0.00042	0.000749	< 0.0030
EV_AQ6	EV_MC6_WS_2022-Q4_N	2022-10-07 294	0.014	32.8	0.00458	0.00051	1.39	3.17	< 0.000010		0.2		< 0.00010	< 0.00030	+	< 0.0030
EV_AQ6	EV_MC8_WS_2022-Q4_N			37.6	0.00484	0.00068	1.55	4.16	< 0.000010		0.22		< 0.00010	< 0.00030	0.000795	0.0045
EV_AQ6	EV_AQ6_WS_2022-11_MON_N			< 0.005		< 0.00050	< 0.050		< 0.000010		0.000		< 0.00010	< 0.00030		
EV_AQ6	EV_MC6_WS_2022-11_MON_N		0.02		0.00853	0.00082	1.78	4.69	< 0.000010			< 0.000010	< 0.00010	< 0.00030		0.0033
EV_AQ6	EV_MC8_WS_2022-11_MON_N		0.02		0.00855	0.00083	1.77	4.81	< 0.000010		0.27		< 0.00010	< 0.00030		0.0035
EV_BC1 EV BC1	EV_BC1_WS_2022-01-03_N-SRF EV_BC1_WS_2022_Q1_N	2022-01-03 < 0.50 2022-01-18 1380	0.001		< 0.00010 0.0334	< 0.00050 0.0243	< 0.050	< 0.050 292	< 0.000010 < 0.000020		0.000 1.71		< 0.00010 < 0.00020	< 0.00030	< 0.000010 0.00786	< 0.0030 0.0134
EV_BC1	EV_BC1_WS_2022_Q1_N EV_BC1_WS_2022-01-18_N-SRF		0.173		0.0239	0.0248	6.47 6.36	334	< 0.000020		1.62		< 0.00020			0.0134
EV_BC1	EV BC1 WS 2022-01-16 N-SRF EV BC1 WS 2022-02-01 N-SRF			212	0.0253	0.0248	6.25	339	< 0.000020		1.62			< 0.00060		0.0114
EV_BC1	EV BC1 WS 2022-02 MON N		0.107		0.0274	0.0248	6.69	358			1.63			< 0.00060		0.0124
EV_BC1	EV BC1 WS 2022-02-115 N-SRF		0.129		0.0123	0.0276	6.12	193			1.01		< 0.00020		+	0.0065
EV_BC1	EV_BC1_WS_2022-03-01_N-SRF		0.106		0.0057	0.0289	5.67	139	< 0.000020		0.83			< 0.00060		< 0.0060
EV_BC1	EV_BC1_WS_2022-03-15_N-SRF	2022-03-15 1350	0.124	211	0.0135	0.0281	6.19		< 0.000020	8.46	0.95	0.000033	< 0.00020	0.00078	0.0108	0.0064

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

			ſ								Total Metals						
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			res	<u></u>	nor	. <u>2</u>	*	<u> </u>	£	_	ļ ģ	Ę	niu	=	ē		
			ardı		lţi.	ser	ariu	- Z	шs	oron	admin	l ii	l or	opa	eddo	<u>ro</u>	ead
Sample Location	Sample ID	Sample Date (mm/dd/yyyy)	Ϊ mg/l	₹	₹ 	₹ mg/L	ma/l	ma/l	<u>'ā</u>	ma/l	Ö ma/l		□ Ū	mg/L	ŭ		mg/L
Location	שו	(IIIII/dd/yyyy)	ilig/L	mg/L	mg/L	IIIg/L	mg/L ပ္	mg/L .은	mg/L	mg/L ∴	mg/L	mg/L	mg/L		mg	/L	ilig/L . <u>o</u>
						Acute	on O	on or		ron				Acute Chronic		Acute	ron
						Acı	Chro	ပ်		င်				S S		Acı	G Ag
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation	EV DC4 WC 2022 02 MON N	2022 02 16	1200	0.0206	0.001	- 0 00000	0.400	< 0.040	< 0.000100	0.053	0.0000541	277	< 0.00000	0.00033	< 0.00100	0.004	0.000101
EV_BC1 EV BC1	EV_BC1_WS_2022-03_MON_N EV_BC1_WS_2022-03-22_N-SRF		1200 1320	0.0396 0.0448	0.001 0.00094	< 0.00020 0.0003	0.108 0.0922	< 0.040 < 0.020	< 0.000100 < 0.000050	0.053 0.044	0.0000541 < 0.0700	277 244	< 0.00020 0.00014	0.00032 0.00036	< 0.00100 0.00054	0.094	0.000101 0.000168
EV_BC1	EV_BC1_WS_2022-03_WEK13_N	2022-03-22	1320	0.0096	0.00089	0.00023	0.104	< 0.020	< 0.000050	0.043	0.0000245	236	< 0.00011	0.0002	< 0.00050	0.038	< 0.000050
EV_BC1	EV_BC1_WS_2022-03_WEK14_N	2022-03-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-03-29_N-SRF	2022-03-29	-	-	-	- 0.00004	- 0.0000		-	- 0.040	-	- 004	-	- 0.00013		- 0.000	- 0.000050
EV_BC1 EV BC1	EV_BC1_WS_2022-04-05_N-SRF EV_BC1_WS_2022-04_WEK15_N	2022-04-05 2022-04-05	1240 1340	0.006 0.0054	0.00091 0.00092	0.00024 0.00027	0.0986 0.0849	< 0.020 < 0.020	< 0.000050 < 0.000050	0.046 0.044	0.0000162 0.0000218	234 231	< 0.00010 < 0.00010	0.00013 0.00014	< 0.00050 < 0.00050	0.032 0.042	< 0.000050 < 0.000050
EV_BC1	EV_BC1_WS_2022-04_WER15_N	2022-04-03	-	-	-	-	-	-	-	-	-	-	- 0.00010	-	-	-	-
EV_BC1	EV_BC1_WS_2022-04-12_N-SRF		1250	0.0072	0.00087	0.00026	0.0658	< 0.020	< 0.000050	0.041	< 0.0150	224	< 0.00010	0.00012	< 0.00050	0.032	< 0.000050
EV_BC1	EV_BC1_WS_2022-04-19_N-SRF		1260	0.0034	0.00091	0.00028	0.0653	< 0.020	< 0.000050	0.045	< 0.0150	224	0.00011	0.00012	< 0.00050	0.027	< 0.000050
EV_BC1 EV BC1	EV_BC1_WS_2022-04_WEK17_N EV_BC1_WS_2022-04-26_N-SRF	2022-04-19 2022-04-26	1190	0.004	0.00089	0.00024	0.0751	< 0.020	< 0.000050	0.041	< 0.0150	229	< 0.00010	0.00011	< 0.00050	0.034	< 0.000050
EV_BC1	EV BC1 WS 2022-04 WEK18 N	2022-04-26	1260	0.0045	0.00089	0.00027	0.0626	< 0.020	< 0.000050	0.037	0.0000071	209	< 0.00010	< 0.10	< 0.00050	0.024	< 0.000050
EV_BC1	EV_BC1_WS_2022-05-03_N-SRF	2022-05-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-05_MON_N		1200	0.003	0.00085	0.0003	0.062	< 0.020	< 0.000050	0.038	< 0.0150	216	0.00014	< 0.10	< 0.00050	0.017	< 0.000050
EV_BC1 EV BC1	EV_BC1_WS_2022-05-10_N-SRF EV_BC1_WS_2022-05_WEK20_N		1200 1180	< 0.0060 0.0042	0.00081 0.00085	0.00026	0.0544 0.0592	< 0.020 < 0.020	< 0.000050 < 0.000050	0.04	< 0.0100 < 0.0100	219 222	< 0.00010 < 0.00010	< 0.10 < 0.10	< 0.00050 < 0.00050	0.014	< 0.000050 < 0.000050
EV_BC1	EV BC1 WS 2022-05 WEK20 N	2022-05-11	-	-	-	-	-	- 0.020	-	-	- 0.0100	-	- 0.00010		- 0.00030	-	- 0.000030
EV_BC1	EV_BC1_WS_2022-05-17_N-SRF	2022-05-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-05-24_N-SRF		1230	0.0039	0.00082	0.00026	0.0584	< 0.020	< 0.000050	0.044	< 0.0100	207	0.00011	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_BC1	EV BC1 WS 2022-05 WEK22 N	2022-05-24 2022-05-31	1220	< 0.0060	0.00084	0.00028	0.0583	< 0.040	< 0.000100	0.048	< 0.0100	228	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.000100
EV_BC1 EV BC1	EV_BC1_WS_2022-05_WEK23_N EV_BC1_WS_2022-05-31_N-SRF	2022-05-31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-06_MON_N		1220	< 0.0060	0.00092	0.00023	0.0637	< 0.040	< 0.000100	0.045	< 0.0100	205	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.000100
EV_BC1	EV_BC1_WS_2022-06-07_N-SRF		1300	0.0033	0.0008	0.00031	0.236	< 0.020	< 0.000050	0.042	0.0000862	234	< 0.00010	0.00016	< 0.00050	0.091	< 0.000050
EV_BC1	EV_BC1_WS_2022-06_WEK25_N EV_BC1_WS_2022-06-14_N-SRF	2022-06-13	1260	0.003	0.00085	0.00035	0.209	< 0.020	< 0.000050	0.047	0.0000863	241	< 0.00010	0.00018	< 0.00050	0.096	< 0.000050
EV_BC1 EV BC1	EV_BC1_WS_2022-06-14_N-SRF EV_BC1_WS_2022-06-21_N-SRF	2022-06-14 2022-06-21	- 1170	0.0476	0.00082	0.00036	0.163	< 0.020	< 0.000050	0.046	0.0000712	217	0.00015	0.00052	0.00059	0.122	0.000178
EV BC1	EV BC1 WS 2022-06 WEK26 N		1200	0.0069	0.00082	0.00031	0.224	< 0.020	< 0.000050	0.044	0.0000301	219	< 0.00010	0.00016	< 0.00050	0.033	< 0.000050
EV_BC1	EV_BC1_WS_2022-06-28_N-SRF	2022-06-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-06_WEK27_N		1270	0.0045	0.00094	0.00032	0.246	< 0.020	< 0.000050	0.044	< 0.0200	246	< 0.00010	0.00012	< 0.00050	0.028	< 0.000050
EV_BC1 EV BC1	EV_BC1_WS_2022_Q3_N EV BC1 WS 2022-07-05 N-SRF	2022-07-05 2022-07-05	- 1180	0.0105	0.00084	0.00029	0.126	< 0.020	< 0.000050	0.051	0.0000235	226	< 0.00010	0.00016	< 0.00050	0.036	< 0.000050
EV_BC1	EV_BC1_WS_2022-07-03_N-SRF	2022-07-12	1160	0.0086	0.00086	0.00029	0.120	< 0.020	< 0.000050	0.05	0.0000233	234	< 0.00010	0.00017	< 0.00050	0.036	< 0.000050
EV_BC1	EV_BC1_WS_2022-07_WEK29_N	2022-07-12	1180	< 0.0030	0.00083	0.00024	0.117	< 0.020	< 0.000050	0.054	0.0000128	217	< 0.00010	0.00012	< 0.00050	0.022	< 0.000050
EV_BC1	EV_BC1_WS_2022-07-19_N-SRF	2022-07-19	- 4450	- 0.0000	- 0.00000	- 0.00007	- 0.0007	-		- 0.050	-	- 207		- 0.00044	- 4.0.00050	- 0.045	- 0.000050
EV_BC1 EV BC1	EV_BC1_WS_2022-08-02_N-SRF EV_BC1_WS_2022-08_MON_N	2022-08-02 2022-08-10	1150	0.0038	0.00092 0.00089	0.00037 0.00022	0.0827 0.0684	< 0.020 < 0.020	< 0.000050 < 0.000050	0.058 0.05	0.0000168 0.0000065	207 217	< 0.00010 < 0.00010	0.00011 < 0.10	< 0.00050 < 0.00050	0.015 0.015	< 0.000050 0.000138
EV BC1	EV BC1 WS 2022-08-116 N-SRF		1280	< 0.0060	0.00082	0.00022	0.0004	< 0.020	< 0.000100	0.051	< 0.0100	211	< 0.00010	< 0.10	< 0.00000	0.013	< 0.000100
EV_BC1	EV_BC1_WS_2022-08-30_N-SRF	2022-08-30	1240	0.0055	0.0008	0.00025	0.0782	< 0.020	< 0.000050	0.052	< 0.0050	221	< 0.00010	< 0.10	< 0.00050	0.019	< 0.000050
EV_BC1	EV_BC1_WS_2022-09_MON_N		1150	< 0.0060	0.00075	0.00032	0.0793	< 0.040	< 0.000100	0.054	< 0.0100	215	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.000100
EV_BC1 EV BC1	EV_BC1_WS_SEPT-2022_N EV_BC1_WS_2022-09-13_N-SRF		1260 1260	0.0081 < 0.0030	0.00071 0.00073	0.00034	0.0771 0.0623	< 0.020 < 0.020	< 0.000050 < 0.000050	0.052 0.056	0.0000078 0.0000143	216 204	< 0.00010 < 0.00010	< 0.10 < 0.10	< 0.00050 < 0.00050	0.01 < 0.010	< 0.000050 < 0.000050
EV BC1	EV_BC1_WS_2022-09-13_N-SRF EV_BC1_WS_2022-09-27_N-SRF		1090	< 0.0060	0.00073	0.00027	0.0623	< 0.020	< 0.000100	0.054	< 0.0100	222	< 0.00010	< 0.10	< 0.00030	< 0.010	< 0.000100
EV_BC1	EV_BC1_WS_2022-10-04_N-SRF	2022-10-04	1300	0.0045	0.00074	0.00024	0.0569	< 0.020	< 0.000050	0.046	0.0000117	200	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_BC1	EV_BC1_WS_2022-Q4_N	2022-10-06		0.0049	0.0007	0.00024	0.239	< 0.020	< 0.000050	0.045	0.0000273	236	< 0.00010	< 0.10	< 0.00050	0.029	< 0.000050
EV_BC1	EV_BC1_WS_2022-10-06_N-SRF EV_BC1_WS_2022-10-18_N-SPE		1310	0.0055	0.00073	0.00028	0.215	< 0.020	< 0.000050	0.05	0.0000198	262	< 0.00010	< 0.10	< 0.00050	0.021	< 0.000050
EV_BC1 EV BC1	EV_BC1_WS_2022-10-18_N-SRF EV_BC1_WS_2022-11-01_N-SRF	2022-10-18 2022-11-01	- 1240	< 0.0060	0.0007	0.00023	0.0716	< 0.040	< 0.000100	0.05	< 0.0100	235	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.000100
EV_BC1	EV_BC1_WS_2022-11_MON_N	2022-11-01		0.0058	0.00065	0.00023	0.0446	< 0.020	< 0.000100	0.046	< 0.0050	202	< 0.00020	< 0.10	< 0.00100	< 0.020	
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< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

									Total Metals						
			+						Total Metals						
Sample Location	Sample ID	Sample Date 모 (mm/dd/yyyy) mg/l	Lithium ma/l	Magnesium	Manganese Manganese	*- VO VO VO VO VO VO VO VO VO VO VO VO VO	Dotassium	Selenium	Ma/L	mg/L mg		Ę mg/L	Titanium mg/L	mg/L	e iZ mg/L
		(··········		g. =	<u>i</u> : <u>:</u>			nic 4	·	g,	,g		g/_		iō
					Acute	Chror		Chror	Acute					Chronic	Acute
BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a n	a n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation	EV DO4 WC 2002 02 MON N	1 2022 02 40 1420	10400	205	0.0422	0.0074	C 45	246	< 0.000020	7014	0.000000	1 4 0 00000	0.00005	0.0446	0.0116
EV_BC1 EV BC1	EV_BC1_WS_2022-03_MON_N EV_BC1_WS_2022-03-22_N-SRF		0.126		0.0132 0.0133	0.0274 0.0233	6.15 5.33	216 175	< 0.000020 < 0.000010	7.79 1. 6.92 0.		< 0.00020 < 0.00010	0.00085 0.00123	0.0116 0.0105	0.0116 0.0039
EV_BC1	EV BC1 WS 2022-03-22 N-3K1		0.111		0.0087	0.0233	5.66	151	< 0.000010	7.13 0.		< 0.00010	< 0.00030	0.0103	< 0.0039
EV_BC1	EV_BC1_WS_2022-03_WEK14_N	2022-03-29 -	-	-	-	-	-	-	-		-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-03-29_N-SRF	2022-03-29 -	-	-	-	-	-	-	-		-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-04-05_N-SRF		0.114		0.00503	0.0231	5.84	160	< 0.000010	7.22 0.	_	< 0.00010	< 0.00030	0.0103	< 0.0030
EV_BC1	EV_BC1_WS_2022-04_WEK15_N		0.115	184	0.00495	0.0226	5.34	178	< 0.000010	7.06 0.	37 0.000028	< 0.00010	< 0.00030	0.0105	< 0.0030
EV_BC1 EV BC1	EV_BC1_WS_2022-Q2_N EV_BC1_WS_2022-04-12_N-SRF	2022-04-12 - 2022-04-12 1250	0.104	169	0.00374	0.0228	5.39	156	< 0.000010	7.2 0.	35 0.000026	< 0.00010	< 0.00030	0.0116	< 0.0030
EV_BC1	EV BC1 WS 2022-04-12 N-SRF		0.104		0.00374	0.0228	5.47	162	< 0.000010	7.27 0.	_	< 0.00010	< 0.00030	0.0116	< 0.0030
EV BC1	EV BC1 WS 2022-04 WEK17 N		0.103		0.00266	0.0238	5.64	130	< 0.000010	7.63 0.	_	< 0.00010	< 0.00030	0.0111	< 0.0030
EV_BC1	EV_BC1_WS_2022-04-26_N-SRF	2022-04-26 -	-	-	-	-	-	-	-			-	-	-	-
EV_BC1	EV_BC1_WS_2022-04_WEK18_N	2022-04-26 1260	0.091	173	0.00177	0.023	5.05	111	< 0.000010	7.08 0.	72 0.000026	< 0.00010	< 0.00030	0.011	< 0.0030
EV_BC1	EV_BC1_WS_2022-05-03_N-SRF	2022-05-03 -	-	-	-	-	-	-	-		-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-05_MON_N		0.099	_	0.0014	0.0212	5.21	102	< 0.000010	7.02 0.		< 0.00010	< 0.00030	0.0103	< 0.0030
EV_BC1	EV_BC1_WS_2022-05-10_N-SRF	2022-05-10 1200	_		0.00131	0.0211	5.16	110	< 0.000010	6.77 0.		< 0.00010	< 0.00030	0.0106	< 0.0030
EV_BC1 EV BC1	EV_BC1_WS_2022-05_WEK20_N EV_BC1_WS_2022-05_WEK21_N	2022-05-11 1180 2022-05-17 -	0.095	175	0.0015	0.0212	5.34	93.7	0.000019	7.38 0.		< 0.00010	< 0.00030	0.0103	0.0056
EV_BC1	EV BC1 WS 2022-05-17 N-SRF	2022-05-17 -	+÷	 -	-	-	-	-	<u>-</u>		· -	-	-	-	-
EV BC1	EV BC1 WS 2022-05-24 N-SRF		0.107		0.00142	0.0218	5.59	116	< 0.000010	7.94 0.		< 0.00010		0.0104	< 0.0030
EV_BC1	EV_BC1_WS_2022-05_WEK22_N		0.122		0.00168	0.023	5.42	165	< 0.000020	7.75 0.		< 0.00020	< 0.00060	0.0116	< 0.0060
EV_BC1	EV_BC1_WS_2022-05_WEK23_N	2022-05-31 -	-	-	-	-	-	-	-		-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-05-31_N-SRF	2022-05-31 -	-	-	-	-	-	-	-			-	-	-	-
EV_BC1	EV_BC1_WS_2022-06_MON_N	2022-06-06 1220		178	0.00119	0.0231	5.42	154	< 0.000020	8.5 0		< 0.00020	< 0.00060	0.0102	< 0.0060
EV_BC1 EV BC1	EV_BC1_WS_2022-06-07_N-SRF		0.114		0.00516 0.00563	0.0326	5.22 5.41	66 66.5	< 0.000010 < 0.000010	10 0.		< 0.00010 < 0.00010	< 0.00030	0.0124	0.0039 0.0038
EV_BC1	EV_BC1_WS_2022-06_WEK25_N EV_BC1_WS_2022-06-14_N-SRF	2022-06-13 1260 2022-06-14 -	0.117	102	0.00505	0.0334	- 5.41	- 00.5	< 0.000010		71 0.000045	- 0.00010	< 0.00030	0.012	0.0036
EV_BC1	EV BC1 WS 2022-06-21 N-SRF		0.117		0.00874	0.0298	5.23	56.1	< 0.000010	9.55 0	7 0.000049	< 0.00010	0.00073	0.0115	0.0157
EV BC1	EV BC1 WS 2022-06 WEK26 N		0.122		0.00361	0.0302	5.49	89.8	< 0.000010	9.61 0		< 0.00010	< 0.00030	0.0113	< 0.0030
EV_BC1	EV_BC1_WS_2022-06-28_N-SRF	2022-06-28 -	-	-	-	-	-	-	-	- -	-	-	-	-	-
EV_BC1	EV_BC1_WS_2022-06_WEK27_N		0.121	170	0.00278	0.0308	5.34	77.6	< 0.000010	10 0.	79 0.000048	< 0.00010	< 0.00030	0.0119	< 0.0030
EV_BC1	EV_BC1_WS_2022_Q3_N	2022-07-05 -	-	-	-	-	-	-	-			-	-	-	-
EV_BC1	EV_BC1_WS_2022-07-05_N-SRF		0.138		0.00439 0.00503	0.0291 0.0301	5.53	83.7	< 0.000010 < 0.000010	9.97 0.		< 0.00010	< 0.00030 < 0.00030	0.0114 0.0112	< 0.0030 0.0033
EV_BC1 EV BC1	EV_BC1_WS_2022-07-12_N-SRF EV_BC1_WS_2022-07_WEK29_N	2022-07-12 1160 2022-07-12 1180	0.126	_	0.00503	0.0301	5.55 5.47	90.5 67.1	< 0.000010	10 0.0 9.84 0.0		< 0.00010	< 0.00030	0.0112	0.0033
EV_BC1	EV BC1 WS 2022-07-WER29 N EV BC1 WS 2022-07-19 N-SRF	2022-07-12	_	-	-	-	-	-		9.04 0.		- 0.00010	- 0.00030	-	-
EV BC1	EV_BC1_WS_2022-08-02_N-SRF		0.141	155	0.00318	0.0273	5.52	69.7	< 0.000010	10.3 0		< 0.00010	< 0.00030	0.0106	< 0.0030
EV_BC1	EV_BC1_WS_2022-08_MON_N	2022-08-10 1130	0.143	167	0.00202	0.0251	5.17	73.4	< 0.000010	9.8 0.		< 0.00010		0.01	< 0.0030
EV_BC1	EV_BC1_WS_2022-08-16_N-SRF		0.133		0.00105	0.0252	5.38	125	< 0.000020	9.02 0.		< 0.00020		0.0101	< 0.0060
EV_BC1	EV_BC1_WS_2022-08-30_N-SRF		0.141		0.00091	0.0244	5.32	96.4	< 0.000010	9.62 0.		< 0.00010		0.0097	< 0.0030
EV_BC1	EV_BC1_WS_2022-09_MON_N		0.147		0.00085 0.00066	0.0245	5.47	75 75	< 0.000020 < 0.000010	10.9 0.		< 0.00020 < 0.00010		0.00978	< 0.0060 < 0.0030
EV_BC1 EV BC1	EV_BC1_WS_SEPT-2022_N EV_BC1_WS_2022-09-13_N-SRF		0.138		0.0006	0.0229 0.021	5.06 5.33	75 76.8	< 0.000010	10.1 0. 9.84 0.		0.00010	< 0.00030 < 0.00030	0.01 0.00946	< 0.0030
EV_BC1	EV BC1 WS 2022-09-13 N-SRF		0.143		0.00023	0.0232	5.37	67.2	< 0.000010	10 0.		< 0.00014		0.00946	< 0.0060
EV BC1	EV BC1 WS 2022-10-04 N-SRF		0.157		0.00057	0.0228	5.77	70.9	< 0.000010	10.6 1.			< 0.00030	0.0102	< 0.0030
EV_BC1	EV_BC1_WS_2022-Q4_N	2022-10-06 1310	0.125	174	0.00185	0.0251	5.76	97.1	< 0.000010	10.6 1.	0.000051	< 0.00010		0.0106	< 0.0030
EV_BC1	EV_BC1_WS_2022-10-06_N-SRF		0.14		0.00096	0.0243	6.08	96.4	< 0.000010	11.2 1.		< 0.00010	< 0.00030	0.0107	< 0.0030
EV_BC1	EV_BC1_WS_2022-10-18_N-SRF	2022-10-18 -			-	-	-	153	-			-	-	-	-
EV_BC1	EV_BC1_WS_2022-11-01_N-SRF		0.151		0.00028	0.0237	5.89	104	< 0.000020	11.3		< 0.00020		0.0107	< 0.0060
EV_BC1	EV_BC1_WS_2022-11_MON_N	2022-11-14 1250	U.13	1/8	0.0006	0.0228	5.71	145	< 0.000010	10.5 0.	0.000034	< 0.00010	< 0.00030	0.0101	0.0111

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						
				_									_				
			SS	ıur	Ju S	ن د	*_	Ë	£			۽	<u> </u>		_		
			dne	ä	<u><u>ĕ</u></u>	eni	l i	rylliu	μ	6	dmiu	Ë	E E	balt	ede	_	9
Sample	Sample	Sample Date	Jar	Alu	Į,	Αrs	3ar	Jer J	Bisi	Š.	Sad	gal	ļ ģ	Sot	Сорр	<u>5</u>	e
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg		mg/L
				_	_	-	je	jic		jic				ic			ic
						cute	2	5		Chroni				Acute Chronic		Acute	Acute
						Αc	ပ်	ပ်		ភ				S P		Ac	C Ac
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation		1									I					1	0.000050
EV_BC1	EV_BC1_WS_2022-11-15_N_SRF	2022-11-15	1440 1450	0.0086	0.00068	0.00028	0.0832	< 0.020	< 0.000050 < 0.000100	0.051	0.000024	269 279	< 0.00010	0.00018 < 0.20	< 0.00050	0.011	< 0.000050 < 0.000100
EV_EC1 EV EC1	EV_EC1_WS_2022-01-05_N-SRF EV_EC1_WS_2022-Q1_N	2022-01-05 2022-01-17	1390	0.0061 < 0.0060	0.0007 0.00045	0.00025 0.00029	0.0905 0.0274	< 0.040 < 0.040	< 0.000100	0.045 0.032	0.0000302 0.0000306	279	< 0.00020 < 0.00020	0.00477	< 0.00100 < 0.00100	< 0.020 < 0.020	< 0.000100
EV_EC1	EV_EC1_WS_2022-Q1_N EV_EC1_WS_2022-01-17_N-SRF	2022-01-17	1220	< 0.0030	0.00043	0.00023	0.0274	< 0.020	< 0.000100	0.032	0.0000367	242	< 0.00020	0.0038	< 0.00100	< 0.020	< 0.000100
EV_EC1	EV_EC1_WS_2022-01-31_N-SRF	2022-01-28	1200	< 0.0030	0.00042	0.00033	0.0224	< 0.020	< 0.000050	0.029	0.000026	240	< 0.00010	0.0037	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-02-14_N-SRF	2022-02-14	1200	< 0.0060	0.00047	0.00035	0.023	< 0.040	< 0.000100	0.03	0.0000231	251	< 0.00020	0.00419	< 0.00100	< 0.020	< 0.000100
EV_EC1	EV_EC1_WS_2022-02_MON_N	2022-02-16	1200	< 0.0060	0.00046	0.00034	0.027	< 0.040	< 0.000100	0.034	0.0000229	280	< 0.00020	0.0039	< 0.00100	< 0.020	< 0.000100
EV_EC1 EV EC1	EV_EC1_WS_2022-02-28_N-SRF EV_EC1_WS_2022-03-14_N-SRF	2022-02-28 2022-03-14	1240 1330	< 0.0030 < 0.0030	0.0004 0.00042	0.0005 0.00036	0.0269 0.0214	< 0.020 < 0.020	< 0.000050 < 0.000050	0.028	0.0000254 0.0000185	257 243	0.00022 < 0.00010	0.00311 0.00368	< 0.00050 < 0.00050	< 0.010 < 0.010	< 0.000050 < 0.000050
EV_EC1	EV EC1 WS 2022-03 MON N	2022-03-14	1130	< 0.0030	0.00042	0.00030	0.0214	< 0.020	< 0.000050	0.031	0.0000136	244	0.00010	0.00329	< 0.00050	< 0.010	< 0.000050
EV EC1	EV EC1 WS 2022-03-21 N SRF	2022-03-21	1260	< 0.0030	0.00038	0.00031	0.0204	< 0.020	< 0.000050	0.028	0.0000189	240	< 0.00010	0.00316	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-03_WEK13_N	2022-03-22	1230	< 0.0030	0.00035	0.0003	0.0208	< 0.020	< 0.000050	0.028	0.000019	233	< 0.00010	0.00283	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-03-28_N-SRF	2022-03-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-03-28_N-SRF_1	2022-03-28	1210	< 0.0030	0.00025	0.00032	0.0337	< 0.020	< 0.000050	0.017	0.0000108	239	0.0002	0.00047	< 0.00050	< 0.010	< 0.000050
EV_EC1 EV EC1	EV_EC1_WS_2022-03_WEK14_N EV_EC1_WS_2022-04-04_N-SRF	2022-03-30 2022-04-04	1460	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-04-04 N-SRF	2022-04-04	1230	0.0055	0.00038	0.00039	0.0385	< 0.020	< 0.000050	0.03	0.0000256	277	0.0002	0.00142	< 0.00050	< 0.010	< 0.000050
EV EC1	EV EC1 WS 2022-04-10 N-SRF	2022-04-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-11_N-SRF	2022-04-11	1240	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-11_N-SRF_1	2022-04-11	1290	< 0.0030	0.00023	0.00031	0.0372	< 0.020	< 0.000050	0.016	0.0000067	233	< 0.00030	0.00028	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV EC1 WS 2022-04-12 N-SRF	2022-04-12	1260	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-04-13_N-SRF EV EC1 WS 2022-Q2 N	2022-04-13 2022-04-13	1120 1260	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV MC6 WS 2022-Q2 N	2022-04-13	1170		0.00024	0.00034	0.043	< 0.020	< 0.000050	0.016	0.0000097	243	0.00022	0.00017	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_MC8_WS_2022-Q2_N	2022-04-13	1100	< 0.0030	0.00024	0.00032	0.044	< 0.020	< 0.000050	0.014	0.0000078	245	0.00022	0.00015	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-04-14_N-SRF	2022-04-14	< 0.50	< 0.0030	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-04-15_N-SRF	2022-04-15	1170	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-04-16_N-SRF	2022-04-16 2022-04-17	1240 1280	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-17_N-SRF EV_EC1_WS_2022-04-18_N-SRF	2022-04-17	1230	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-18_N-SRF_1	2022-04-18	1120	0.0042	0.00024	0.00026	0.0404	< 0.020	< 0.000050	0.016	0.0000152	238	0.0002	0.00011	< 0.00050	0.011	< 0.000050
EV_EC1	EV_EC1_WS_2022-04-19_N-SRF	2022-04-19		-	-		-		-	-	-	-		-	-		-
EV_EC1	EV_EC1_WS_2022-04-20_N-SRF	2022-04-20	1210	-	-	-	-	-	-	-	-	-	-	-	-	_	-
EV_EC1	EV_EC1_WS_2022-04_WEK17_N	2022-04-20	1240	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-04-21_N-SRF EV_EC1_WS_2022-04-22_N-SRF	2022-04-21 2022-04-22	1240	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_ECT_WS_2022-04-22_N-SRF EV_ECT_WS_2022-04-23_N-SRF	2022-04-23	1260		-	-	-	-	-	-	<u>-</u>	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-24_N-SRF	2022-04-24	1300		-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-25_N-SRF	2022-04-25	1240	•	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-25_N-SRF_1	2022-04-25	1180		0.00023	0.00026	0.0412	< 0.020	< 0.000050	0.013	0.0000072	231	0.00033	0.00016	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-04-26_N-SRF	2022-04-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-04-27_N-SRF EV_EC1_WS_2022-04_WEK18_N	2022-04-27 2022-04-27	1170 1180	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-04-WER18 N EV EC1 WS 2022-04-28 N-SRF	2022-04-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-29_N-SRF			-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-30_N-SRF	2022-04-30	1170		-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-01_N-SRF	2022-05-01	1210		-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-02_N-SRF	2022-05-02	1240		-	-	-	-	-	- 0.045	-	-	-	-			-
EV_EC1	EV_EC1_WS_2022-05-02_N-SRF_1			< 0.0030	0.00022	0.00036	0.0433	< 0.020	< 0.000050	0.015	0.0000073	236	0.00016	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-05-03_N-SRF	2022-05-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

									Total Matala						
				1			I		Total Metals						
Sample Location	Sample ID	Sample Date T (mm/dd/yyyy) mg/L	Lithium	Magnesium	Manganese 7/P	Nickel*	T/botassium	Selenium PS Selenium	mg/L	mnipos mg/L n	Strontium Thallium	Ę mg/L	Titanin m mg/L	mg/L	o iZ mg/L
Location	15	(IIIII/dd/yyyy) IIIg/L	mg/L	ilig/L	9 <u>2</u>	nic	ilig/L	nic Pg/L		iiig/Lii	ig/L ilig/L	IIIg/L	IIIg/L		ing/L
					Acute	Chron		Chron	Acute					Chronic	Acute
BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation	EV DO4 W/O 0000 44 45 N 0DE	0000 44 45 4440	0.450	000	0.00204	0.0000	0.57	000	1 .0.000040	144 414	00 0000	4 .0.00046	1 . 0 00000	0.0407	4.0.0000
EV_BC1 EV EC1	EV_BC1_WS_2022-11-15_N_SRF EV_EC1_WS_2022-01-05_N-SRF		0.152		0.00381 0.00336	0.0262 0.0243	6.57 5.98	233 180	< 0.000010 < 0.000020	11.4			_	0.0107 0.0116	< 0.0030 < 0.0060
EV_ECT	EV EC1 WS 2022-01-05 N-SRF		0.137		0.00330 0.104	0.0243	4.36	63.9	< 0.000020	6.42				0.0110	< 0.0060
EV EC1	EV EC1 WS 2022-01-17 N-SRF	2022-01-17 1220			0.0779	0.0306	4.19	47.4	< 0.000010	5.68			_	0.0117	< 0.0030
EV EC1	EV EC1 WS 2022-01-31 N-SRF		0.053		0.0752	0.0299	4.02	50.4	< 0.00010	5.65			_	0.0111	< 0.0030
EV_EC1	EV_EC1_WS_2022-02-14_N-SRF		0.053		0.0811	0.0327	4.44	42.4	< 0.000020	5.94 (_	0.011	< 0.0060
EV_EC1	EV_EC1_WS_2022-02_MON_N	2022-02-16 1200		186	0.07	0.0372	4.6	67.4	< 0.000020	6.23			< 0.00060	0.0135	< 0.0060
EV_EC1	EV_EC1_WS_2022-02-28_N-SRF	2022-02-28 1240			0.0543	0.0316	4.31	84.7	< 0.000010	5.4 (< 0.00030	0.0115	< 0.0030
EV_EC1	EV_EC1_WS_2022-03-14_N-SRF	2022-03-14 1330		_	0.0624	0.0331	4.36	41.8	< 0.000010	6.11 (_	0.0115	< 0.0030
EV_EC1	EV_EC1_WS_2022-03_MON_N	2022-03-17 1130			0.0542	0.0345	4.1	65.1	< 0.000010	6.04			_	0.0122	< 0.0030
EV_EC1	EV_EC1_WS_2022-03-21_N_SRF		0.058		0.0553	0.0318	4.49	41.2	< 0.000010	7.04				0.0114	< 0.0030
EV_EC1	EV_EC1_WS_2022-03_WEK13_N	2022-03-22 1230	0.058	_	0.051	0.0294	4.32	34.2	< 0.000010	6.8	0.00004	7 < 0.00010		0.0106	< 0.0030
EV_EC1	EV_EC1_WS_2022-03-28_N-SRF	2022-03-28 -	- 0.022	140	0.00707	- 0.0170	- 2.00	- 462	< 0.00010	3.47 (7 < 0.00010	- 0.00000	- 0.00003	< 0.0030
EV_EC1 EV EC1	EV_EC1_WS_2022-03-28_N-SRF_1 EV_EC1_WS_2022-03_WEK14_N	2022-03-28 1210 2022-03-30 1460	0.032	148	-	0.0172	3.08	163 171	- 0.000010	3.47	0.00002		< 0.00030	0.00803	- 0.0030
EV EC1	EV EC1 WS 2022-04-04 N-SRF	2022-03-30 1400		+ -	_	-	-		_	 			 		-
EV EC1	EV EC1 WS 2022-04 WEK15 N		0.056		0.0187	0.025	4.78	107	< 0.000010	8.06			< 0.00030	0.0121	< 0.0030
EV EC1	EV EC1 WS 2022-04-10 N-SRF	2022-04-10 -	-	-	-	-	-	-	-	 		-	-	-	-
EV EC1	EV EC1 WS 2022-04-11 N-SRF	2022-04-11 1240	-	-	-	-	-	142	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-11_N-SRF_1	2022-04-11 1290	0.027	145	0.00358	0.013	2.92	177	< 0.000010	3.46	0.00002	< 0.00010	< 0.00030	0.00786	< 0.0030
EV_EC1	EV_EC1_WS_2022-04-12_N-SRF	2022-04-12 1260	-	-	-	-	-	172	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-13_N-SRF	2022-04-13 1120	-	-	-	-	-	146	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-Q2_N	2022-04-13 1260	-	-	-	-	-	186	-	-		-	-	-	-
EV_EC1	EV_MC6_WS_2022-Q2_N		0.029		0.002	0.0114	3.04	172	< 0.000010	3.61			_	0.00866	< 0.0030
EV_EC1	EV_MC8_WS_2022-Q2_N		0.027		0.0019	0.0106	2.75	173	< 0.000010	3.4 (_	0.00851	< 0.0030
EV_EC1 EV EC1	EV_EC1_WS_2022-04-14_N-SRF EV_EC1_WS_2022-04-15_N-SRF	2022-04-14 < 0.50 2022-04-15 1170		¢ 0.005	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010	0.050				< 0.000010	< 0.0030
EV_ECT	EV EC1 WS 2022-04-16 N-SRF	2022-04-15 1170		+ -	-	-	-	143 140		 -		-	-	-	-
EV EC1	EV EC1 WS 2022-04-10 N-SRF	2022-04-17 1280		<u> </u>	_	-	-	161	_			-	 	_	-
EV EC1	EV EC1 WS 2022-04-18 N-SRF	2022-04-18 1230	_	-	-	_	_	158	_	 		_	_	_	_
EV_EC1	EV_EC1_WS_2022-04-18_N-SRF_1		0.029		0.00112	0.00817	2.85	192	< 0.000010	4.74 (0.0000	6 < 0.00010	< 0.00030	0.00827	< 0.0030
EV_EC1	EV_EC1_WS_2022-04-19_N-SRF	2022-04-19 -		-	-	-		158	-	L- T		-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-20_N-SRF	2022-04-20 1210	-	-	-	-	-	154	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-04_WEK17_N	2022-04-20 1240	-	-	-		-	163	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-21_N-SRF	2022-04-21 -	-	-	-	-	-	-	-			-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-22_N-SRF	2022-04-22 1240		-	-	-	-	149	-			-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-04-23_N-SRF EV_EC1_WS_2022-04-24_N-SRF	2022-04-23 1260 2022-04-24 1300		-	-	-	-	154 205	-			-	-	-	-
EV_ECT	EV_EC1_WS_2022-04-24_N-SRF EV_EC1_WS_2022-04-25_N-SRF	2022-04-24 1300		-	-	-	- -	165		 		-	-	-	-
EV_ECT	EV_ECT_WS_2022-04-25_N-SRF 1		0.027		0.00247	0.00616	2.59	151	< 0.000010	3.28				0.00792	< 0.0030
EV EC1	EV EC1 WS 2022-04-26 N-SRF	2022-04-26 -	-	-	-	-	-	149	-				-	-	-
EV EC1	EV EC1 WS 2022-04-27 N-SRF	2022-04-27 1170	-	-	-	-	-	143	-	++		-	-	-	-
EV_EC1	EV_EC1_WS_2022-04_WEK18_N	2022-04-27 1180		-	-	-	-	147	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-28_N-SRF	2022-04-28 -	-	-	-	-	-	-	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-29_N-SRF	2022-04-29 1190		-	-	-	-	155	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-04-30_N-SRF	2022-04-30 1170		-	-	-	-	155	-	-		-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-01_N-SRF	2022-05-01 1210		-	-	-	-	144	-			-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-02_N-SRF	2022-05-02 1240		-	- 0.005	-	-	149	-			-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-02_N-SRF_1			160	0.0005	0.00561	2.79	163	< 0.000010	3.61				0.00832	< 0.0030
EV_EC1	EV_EC1_WS_2022-05-03_N-SRF	2022-05-03 -	-	-	-	-	-	149	-	-	- -	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						
				_									_				
			ess	unu	ony	<u>.0</u>	*=	in m,	£	_	<u> </u>	E	jun		5		
			rg	um.	<u>Ē</u>	sen	ri ur	ıylliu	l mus	ro	dmiu	lcin	ron	pbalt	gobbe	=	ad
Sample	Sample	Sample Date	Ha	Ā	¥	ä	Ba	B	ä	8	రొ	ဒီ	5	ပိ		Iron	, P
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L ပ္	mg/L ပ္	mg/L	mg/L .ပ	mg/L	mg/L	mg/L	mg/L	mg	/L	mg/L
						cute	no	ō		Chroni				Acute Chronic		Acute	Acute
DO MOO EMAL				1	1-	4	5	등	1-			1-	1		1-	₹	i i
BC WQG FWAL Elkview Operation			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
EV EC1	EV EC1 WS 2022-05-04 N-SRF	2022-05-04	1160	-	_	I -	_	-	T -	_	_	_	_	1 -	_	_	_
EV EC1	EV EC1 WS 2022-05-MON N	2022-05-04	1180	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-05_N-SRF	2022-05-05	1120	< 0.0030	0.00024	0.00028	0.0478	< 0.020	< 0.000050	0.015	0.0000054	242	0.00019	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-05-05_N	2022-05-05	1190	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-06_N-SRF	2022-05-06	1160	< 0.0030	0.00021	0.00028	0.042	< 0.020	< 0.000050	0.014	< 0.0050	234	0.00017	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1 EV EC1	EV_EC1_WS_2022-05-06_N EV_EC1_WS_2022-05-07_N-SRF	2022-05-06 2022-05-07	1120 1130	< 0.0030	0.00024	0.00026	0.0474	< 0.020	< 0.000050	0.014	0.0000057	227	0.00022	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_ECT	EV_ECT_WS_2022-05-07_N-SRF EV_ECT_WS_2022-05-07_N	2022-05-07	1190	- 0.0030	-	-	-	- 0.020	- 0.000030	- 0.014	-	-	-	- 0.10	- 0.00000	- 0.010	- 0.00000
EV_EC1	EV_EC1_WS_2022-05-08_N-SRF	2022-05-08	1160	< 0.0060	0.00022	0.00027	0.043	< 0.020	< 0.000050	0.014	0.000005	227	0.00016	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-05-08_N	2022-05-08	1170	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-09_N	2022-05-09	1150	< 0.0060	0.00021	0.00029	0.043	< 0.020	< 0.000050	0.013	< 0.0050	224	0.00015	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-05-09_N-SRF	2022-05-09	1110	< 0.0060	0.0002	0.00028	0.0416	< 0.020	< 0.000050	0.013	< 0.0050	221	0.00013	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1 EV EC1	EV_EC1_WS_2022-05-10_N-SRF EV_EC1_WS_2022-05_WEK20_N	2022-05-10 2022-05-10	1180 1150	0.0034	0.00025	0.00026	0.0439	< 0.020	< 0.000050	0.014	0.0000084	218	0.00021	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-05_WER20_N EV_EC1_WS_2022-05-11_N-SRF	2022-05-10	1050	< 0.0030	0.00021	0.00027	0.043	< 0.020	< 0.000050	0.012	0.0000054	213	0.00018	< 0.10	< 0.00050	< 0.010	< 0.000050
EV EC1	EV EC1 WS 2022-05-12 N-SRF	2022-05-11	-	-	-	-	-		-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-13_N-SRF	2022-05-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-14_N-SRF	2022-05-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-15_N-SRF	2022-05-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	=
EV_EC1	EV_EC1_WS_2022-05-16_N-SRF	2022-05-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EV_EC1 EV EC1	EV EC1 WS 2022-05-16 N-SRF 1 EV EC1 WS 2022-05-17 N-SRF	2022-05-16 2022-05-17	1200	< 0.0030	0.00022	0.00025	0.0471	< 0.020	< 0.000050	0.014	0.0000058	228	0.00021	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_ECT_W3_2022-05-17_N-SRF EV_ECT_WS_2022-05-18_N-SRF	2022-05-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-05 WEK21 N	2022-05-18	-	_	_	-	_	-	_	-	_	-	_	_	_	_	-
EV_EC1	EV_EC1_WS_2022-05-19_N-SRF	2022-05-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-20_N-SRF	2022-05-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-02-21_N-SRF	2022-05-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-22_N-SRF	2022-05-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV EC1 WS 2022-05-23 N-SRF EV EC1 WS 2022-05-24 N-SRF	2022-05-23 2022-05-24	1180	0.0104	0.00024	0.00024	0.0478	< 0.020	< 0.000050	0.014	0.0000061	233	0.0002	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-05-24_N-SRF EV_EC1_WS_2022-05-25_N-SRF	2022-05-24	1100	0.0104	0.00024	0.00024	0.0478	< 0.020	< 0.000050	0.014		233	0.0002		- 0.00050	< 0.010	- 0.000050
EV EC1	EV EC1 WS 2022-05 WEK22 N	2022-05-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-26_N-SRF	2022-05-26		-			-		-	-	-	-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-05-27_N-SRF	2022-05-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-28_N-SRF	2022-05-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-29_N-SRF	2022-05-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-05-30_N-SRF EV_EC1_WS_2022-05-30_N-SRF_1	2022-05-30 2022-05-30	1200	< 0.0030	0.00022	0.00025	0.049	< 0.020	< 0.000050	0.013	0.0000064	259	0.00028	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV EC1 WS 2022-05-30 N-SRF	2022-05-30	-	- 0.0030	-	-	0.049	- 0.020	-	-	-	-	-		- 0.00030	- 0.010	-
EV_EC1	EV_EC1_WS_2022-05_WEK23_N	2022-05-31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-06-01_N-SRF	2022-06-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-02_N-SRF	2022-06-02	-		-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-03_N-SRF	2022-06-03	949	< 0.0030	0.00023	0.00026	0.0458	< 0.020	< 0.000050	0.013	0.000007	222	0.00022	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-06-04_N-SRF	2022-06-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-06-05_N-SRF EV_EC1_WS_2022-06_MON_N	2022-06-05 2022-06-06	-	-	-	-	-	-	-	-	-	-	-		-	-	-
EV_EC1	EV EC1 WS 2022-06-06 N-SRF	2022-06-06		< 0.0030	0.00021	0.00023	0.0475	< 0.020	< 0.000050	0.013	0.000006	236	0.00018	< 0.10	< 0.00050	< 0.010	< 0.000050
EV EC1	EV EC1 WS 2022-06-07 N-SRF	2022-06-07	1200		0.00021	0.00028	0.0478	< 0.020	< 0.000050	0.013	0.000006	225	0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-06-08_N-SRF	2022-06-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-09_N	2022-06-09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals						
					1					Total Metals						
Sample Location	Sample ID	Sample Date	Hardness	Lithium	Magnesium	Manganese	*1 9 YO N mg/L	Mg Potassium	Selenium hg/F	Silver ma	/Light	mg/L	Ę mg/L	Titanium mg/L	mg/L	e iz mg/L
						iā	i i	y	nic				g	g. =		i
						Acute	Chror		Chror	Acute					Chronic	Acute
BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation																
EV_EC1	EV_EC1_WS_2022-05-04_N-SRF	2022-05-04	1160		-	-	-	-	153			-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-05-MON_N	2022-05-04 2022-05-05	1180 1120		156	0.00049	0.00563	3.04	159 173	< 0.000010 3.6	- 2 0.24	0.000015	< 0.00010	< 0.00030	0.0081	< 0.0030
EV_EC1	EV_EC1_WS_2022-05-05_N-SRF EV_EC1_WS_2022-05-05_N	2022-05-05	1190	0.03	136	0.00049	0.00563	3.04	173			0.000015	< 0.00010	< 0.00030	0.0061	- 0.0030
EV_EC1	EV EC1 WS 2022-05-06 N-SRF	2022-05-06	1160	0.028	143	0.00044	0.00518	2.7	170		8 0.22	0.000013	< 0.00010	< 0.00030	0.00794	< 0.0030
EV_EC1	EV_EC1_WS_2022-05-06_N	2022-05-06	1120		-	-	-	-	141		-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-07_N-SRF	2022-05-07	1130	0.028	145	0.00049	0.00504	2.91	169	< 0.000010 3.3	4 0.23	0.000013	< 0.00010	< 0.00030	0.0081	< 0.0030
EV_EC1	EV_EC1_WS_2022-05-07_N	2022-05-07	1190	-	-	-	-	-	143			-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-08_N-SRF	2022-05-08	1160	-	_	0.00044	0.00493	2.62	162	< 0.000010 3.2	4 0.21	0.000011	< 0.00010	< 0.00030	0.00749	< 0.0030
EV_EC1	EV_EC1_WS_2022-05-08_N EV_EC1_WS_2022-05-09_N	2022-05-08	1170	0.025	145	0.0004	0.00471	- 2.50	144 163	< 0.000010 3.1	3 0.22	0.00001	- 0.00010	< 0.00030	0.00754	< 0.0030
EV_EC1 EV EC1	EV_ECT_WS_2022-05-09_N EV_ECT_WS_2022-05-09_N-SRF	2022-05-09	1150 1110	0.025	145	0.0004	0.00471	2.58	161		3 0.22 7 0.21		< 0.00010 < 0.00010	< 0.00030	0.00754 0.00756	< 0.0030
EV EC1	EV EC1 WS 2022-05-09 N-SRF	2022-05-10	1180		141	0.00033	0.00447	2.72	161		7 0.21		< 0.00010	< 0.00030	0.00730	0.0155
EV EC1	EV EC1 WS 2022-05 WEK20 N	2022-05-10	1150	-	-	-	-	-	156		- 0.22	-	-	-	-	-
EV EC1	EV EC1 WS 2022-05-11 N-SRF	2022-05-11	1050	0.026	138	0.00034	0.00451	2.58	162	< 0.000010 3.2	6 0.22	0.000011	< 0.00010	< 0.00030	0.00737	< 0.0030
EV_EC1	EV_EC1_WS_2022-05-12_N-SRF	2022-05-12	-	-	-	-	-	-	155		-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-13_N-SRF	2022-05-13	-	-	-	-	-	-	151		-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-14_N-SRF	2022-05-14	-	-	-	-	-	-	170			-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-15_N-SRF	2022-05-15	-	-	-	-	-	-	149			-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-05-16_N-SRF EV_EC1_WS_2022-05-16_N-SRF_1	2022-05-16 2022-05-16	1200	0.028	156	0.00043	0.00433	2.8	152 195	0.000011 3.5	6 0.23	0.00001	< 0.00010	< 0.00030	0.00766	< 0.0030
EV EC1	EV EC1 WS 2022-05-10 N-SRF 1	2022-05-10	-	0.026	-	-	-	-	152			-	- 0.00010	- 0.00030	-	- 0.0030
EV EC1	EV EC1 WS 2022-05-18 N-SRF	2022-05-18	-	-	-	-	-	-	164			_	_	_	_	-
EV EC1	EV EC1 WS 2022-05 WEK21 N	2022-05-18	-	-	-	-	-	-	161		-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-19_N-SRF	2022-05-19	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-20_N-SRF	2022-05-20	-	-	-	-	-	-	174		-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-02-21_N-SRF	2022-05-21	-	-	-	-	-	-	169			-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-05-22_N-SRF	2022-05-22 2022-05-23	-	-	-	-	-	-	146 156		-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-23_N-SRF EV_EC1_WS_2022-05-24_N-SRF	2022-05-23	1180			0.00037	0.00393	2.84	158	< 0.000010 3.4	5 0.24	0.000011	< 0.00010	< 0.00030	0.0082	< 0.0030
EV_EC1	EV EC1 WS 2022-05-24 N-SRF	2022-05-25	-	0.020	-	-	-	-	158		- 0.24	-	- 0.00010	- 0.00030	-	- 0.0000
EV_EC1	EV_EC1_WS_2022-05_WEK22_N	2022-05-25	-	-	-	-	-	-	159		-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-26_N-SRF	2022-05-26	L-	-	-	-	-						-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-27_N-SRF	2022-05-27	-	-	-	-	-	_	158		-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-28_N-SRF	2022-05-28	-	-	-	-	-	-	172				-	-	-	-
EV_EC1	EV_EC1_WS_2022-05-29_N-SRF	2022-05-29		-	-	-	-	-	169			-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-05-30_N-SRF EV_EC1_WS_2022-05-30_N-SRF_1	2022-05-30 2022-05-30	1200	0.026	173	0.00027	0.0036	2.63	170 171	0.000014 2.9	9 0.24		< 0.00010	< 0.00030	0.00796	< 0.0030
EV_EC1	EV_EC1_WS_2022-05-30_N-SRF_1	2022-05-30	-	0.020	-	-	-	2.03	166		9 0.24	- 0.000010	- 0.00010	- 0.00030	-	- 0.0030
EV_EC1	EV_EC1_WS_2022-05_WEK23_N	2022-05-31	-	-	-	-	-	-	160		-	-	-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-06-01_N-SRF	2022-06-01		-	_	-	-	-	-		-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-02_N-SRF	2022-06-02	-	-	-	-	-	-	176				-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-03_N-SRF	2022-06-03	949		_	0.00033	0.00323	2.54	170		3 0.22		< 0.00010	< 0.00030	0.0082	< 0.0030
EV_EC1	EV_EC1_WS_2022-06-04_N-SRF	2022-06-04	<u> </u>	-	-	-	-	-	167			1	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-06-05_N-SRF EV_EC1_WS_2022-06_MON_N	2022-06-05 2022-06-06	-	-	-	-	-	-	177 178			-	-	-	-	-
EV_ECT EV ECT	EV ECT WS 2022-06-06 N-SRF	2022-06-06	1170	0.026	155	0.00028	0.00324	2.5	178			< 0.000010	< 0.00010	< 0.00030	0.00725	< 0.0030
EV_EC1	EV EC1 WS 2022-06-07 N-SRF	2022-06-07		0.026		0.00028	0.00324	2.61			3 0.21		< 0.00010	< 0.00030	0.00723	< 0.0030
EV EC1	EV EC1 WS 2022-06-08 N-SRF	2022-06-08	-	-	-	-	-	-	181				-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-09_N	2022-06-09	-	-	-	-	-	-	209				-	-	-	-
		, 00 00				1				1		1				

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						
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			ğ	Ē	Ē	senic	i j	rylliu	<u> </u>	ē.	dmiu	<u></u>	Por	obalt	eddo	_	aq
Sample	Sample	Sample Date	На	Aluı	Ā	Ārš	Ba	Be	Bis	Bo	Š	S	ភ	ပိ	ပိ	Iron	Le
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg	<u>/L</u>	mg/L
						ē	onic	onic		ronic				Jai la		ē	ute
						Acute	Chro	Chr		Chr				Acute Chronic		\cn	Acur
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation				•					1	ı					-		
EV_EC1	EV_EC1_WS_2022-06-09_N-SRF		1180	< 0.0030	0.00021	0.00021	0.0449	< 0.020	< 0.000050	0.013	< 0.0050	209	0.00017	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-06-10_N-SRF	2022-06-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-06-10_N EV_EC1_WS_2022-06-11_N	2022-06-10 2022-06-11	1160	< 0.0030	0.00022	0.00026	0.0476	< 0.020	< 0.000050	0.014	0.0000066	- 218	0.00021	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-06-11_N-SRF_1		1180	< 0.0030	0.00022	0.00025	0.0488	< 0.020	< 0.000050	0.013	0.0000064	223	0.00021	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-06-12_N	2022-06-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-12_N-SRF_1		1250	< 0.0030	0.00023	0.00029	0.0551	< 0.020	< 0.000050	0.014	0.0000076	234	0.00024	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1 EV EC1	EV_EC1_WS_2022-06-13_N-SRF EV_EC1_WS_2022-06-14_N	2022-06-13 2022-06-14	1140	< 0.0030	0.0002	0.00024	0.0495	< 0.020	< 0.000050	0.013	0.0000095	234	0.0003	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV EC1 WS 2022-06-15 N		1020	0.003	0.0002	0.00024	0.0573	< 0.020	< 0.000050	0.013	0.0000125	206	0.0003	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-06_WEK25_N	2022-06-15	1110	< 0.0030	0.00022	0.0004	0.0574	< 0.020	< 0.000050	0.013	0.000013	216	0.00029	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-06-16_N-SRF	2022-06-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-17_N-SRF EV_EC1_WS_2022-06-18_N-SRF	2022-06-17 2022-06-18	1090	< 0.0030	0.00022	0.00031	0.0549	< 0.020	< 0.000050	0.014	0.0000094	234	0.0002	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1 EV EC1	EV EC1 WS 2022-06-16 N-SRF EV EC1 WS 2022-06-19 N-SRF	2022-06-18	-	-	-	-	-	-	-	-	-	-	-	-	_	-	-
EV EC1	EV EC1 WS 2022-06-20 N-SRF	2022-06-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-06-22_N-SRF	2022-06-22	1140	< 0.0030	0.00021	0.00025	0.0552	< 0.020	< 0.000050	0.012	0.0000082	224	0.00023	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-06-21_N-SRF	2022-06-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-06_WEK26_N EV_EC1_WS_2022-06-23_N-SRF	2022-06-23 2022-06-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_ECT	EV EC1 WS 2022-06-23 N-SRF EV EC1 WS 2022-06-24 N-SRF	2022-06-23	-	-	-	-	-	<u> </u>	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-25_N-SRF	2022-06-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-26_N-SRF	2022-06-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-06-27_N-SRF	2022-06-27	-	- 0.0000	0.00022	- 0.0000	0.0519	< 0.020	- 0.000050	- 0.040	-	-	0.0002	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-06-28_N-SRF EV_EC1_WS_2022-06-29_N-SRF	2022-06-28 2022-06-29	1180	< 0.0030	0.00022	0.0003	0.0519	- 0.020	< 0.000050	0.012	0.0000069	220	0.0002	- 0.10	< 0.00050	- 0.010	- 0.000030
EV EC1	EV EC1 WS 2022-06 WEK27 N	2022-06-29	-	-	-	-	-	-	_	-	-	-	-	-	_	-	=
EV_EC1	EV_EC1_WS_2022-06-30_N-SRF	2022-06-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-01_N-SRF	2022-07-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-07-02_N-SRF EV_EC1_WS_2022-07-03_N-SRF	2022-07-02 2022-07-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-07-03 N-SRF EV EC1 WS 2022-07-04 N-SRF	2022-07-03		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS2022-07-05_N-SRF		1200	< 0.0030	0.00022	0.00027	0.0515	< 0.020	< 0.000050	0.013	0.0000067	222	0.00018	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-Q3_N	2022-07-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_MC5_WS_2022-Q3_N		1120	< 0.0030	0.00022	0.00026	0.0508	< 0.020	< 0.000050	0.012	< 0.0050	211	0.00018	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1 EV_EC1	EV_MC7_WS_2022-Q3_N EV_EC1_WS_2022-07-06_N-SRF		1120 < 0.50	< 0.0030 < 0.0030	0.00021 < 0.00010	0.0003	0.0504	< 0.020 < 0.020	< 0.000050 < 0.000050	0.012 < 0.010	< 0.0050 < 0.0050	211 < 0.050	0.00018 < 0.00010	< 0.10 < 0.10	< 0.00050 < 0.00050	< 0.010 < 0.010	< 0.000050 < 0.000050
EV_EC1	EV_EC1_WS2022-07-07_N-SRF	2022-07-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS2022-07-08_N-SRF	2022-07-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-09_N-SRF	2022-07-09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-07-10_N-SRF EV_EC1_WS_2022-07-11_N-SRF	2022-07-10 2022-07-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-11_N-SRF EV_EC1_WS_2022-07-12_N-SRF	2022-07-11		< 0.0030	0.00022	0.00025	0.0501	< 0.020	< 0.000050	0.013	0.0000059	222	0.00018	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-07-13_N-SRF	2022-07-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07_WEK29_N	2022-07-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-14_N-SRF EV_EC1_WS_2022-07-15_N-SRF	2022-07-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-07-15_N-SRF EV_EC1_WS_2022-07-16_N-SRF	2022-07-15 2022-07-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-07-10 N-SRF	2022-07-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV_EC1_WS_2022-07-18_N-SRF	2022-07-18		-	-	-	-	-	-	-	-	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals							
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					۶	Q		_									ļ
			SS	l _	<u>;</u>	nes		l i	₹		Strontium	E		ε	*=		
			ᇐ	Ĕ	nes	gai	*	SSI	lenium		Ē	.≣		<u> </u>	<u> </u>		
Samula	Comple	Samula Data	arc	重	Mag	lan	흜	ots	Sele	Silver	5	hall	Ē	謹	Jrar	1	Zinc
Sample Location	Sample ID	Sample Date (mm/dd/yyyy)	mg/l	ma/l		∑ mg/L	mg/L	mg/L			ဟ L mg/L	⊢ mg/L	⊢ mg/L	⊢ mg/L	⊃ mg/L		na/L
Location	ıD.	(IIIII/dd/yyyy)	IIIg/L	IIIg/L	IIIg/L	ilig/L	U U	IIIg/L			Lilly/L	IIIg/L	IIIg/L	IIIg/L	ilig/L .o		,
						oni te	oni		o i	ute					in o	te te	ronic
						Acu	r d		Chronic	Ghr G					Chr	cute	Chr
BC WQG FWAL			n/a	n/a	n/a		0.025-0.15 ^a	n/a	2	1 1	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a	0.0075-2ª
Elkview Operation			II/a	II/a	II/a	0.001-0.03 0.0009-0.01	0.025-0.15	II/a		0.0001-0.003 0.00003-0.0013 11/4	II/a	11/a	l II/a	II/a	0.0003	0.033-2	0.0073-2
EV EC1	EV EC1 WS 2022-06-09 N-SRF	2022-06-09	1180	0.029	134	0.00028	0.00293	2.64	158	< 0.000010 3.2	0.21	< 0.000010	< 0.00010	< 0.00030	0.00735	< 0.0	.0030
EV EC1	EV EC1 WS 2022-06-10 N-SRF	2022-06-10	-	-	-	-	-	-	170			-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-06-10_N	2022-06-10	-	-	-	-	-	-	176		-	-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-06-11_N	2022-06-11	1160		145	0.00036	0.00305	2.81	168		0.21		< 0.00010	< 0.00030	0.00755	_	.0030
EV_EC1	EV_EC1_WS_2022-06-11_N-SRF_1	2022-06-11	1180		139	0.00028	0.00319	2.83	168		7 0.21	< 0.000010	< 0.00010	< 0.00030	0.00786	< 0.0	.0030
EV_EC1	EV_EC1_WS_2022-06-12_N	2022-06-12	1050	0.027	169	0.00033	0.00226	2.00	179			- 0.000012	- 0.00010	- 0.00020	0.00779	- 0 1	0030
EV_EC1 EV EC1	EV_EC1_WS_2022-06-12_N-SRF_1 EV_EC1_WS_2022-06-13_N-SRF	2022-06-12 2022-06-13	1250	0.027	168	0.00032	0.00326	3.08	189 185	< 0.000010 3.6	0.23	0.000012	< 0.00010	< 0.00030	0.00778	< 0.0	.0030
EV_ECT	EV ECT WS 2022-06-13 N-SRF EV ECT WS 2022-06-14 N	2022-06-13	1140	0.027		0.00052	0.00282	2.79			1 0.22	< 0.000010	< 0.00010	< 0.00030	0.00785	< 0.0	.0030
EV_EC1	EV EC1 WS 2022-06-15 N	2022-06-15	1020		134	0.00042	0.00269	2.77	144	<u> </u>	0.22		< 0.00010	< 0.00030	0.00765		.0030
EV_EC1	EV_EC1_WS_2022-06_WEK25_N	2022-06-15	1110		139	0.00039	0.00288	2.69	157		3 0.21		< 0.00010	< 0.00030	0.0075	_	.0030
EV_EC1	EV_EC1_WS_2022-06-16_N-SRF	2022-06-16	-	-	-	-	-	-	-		-	-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-06-17_N-SRF	2022-06-17	1090	0.028	146	0.00038	0.00268	2.97	166	< 0.000010 3.38	0.23	< 0.000010	< 0.00010	< 0.00030	0.00774	0.0	0072
EV_EC1	EV_EC1_WS_2022-06-18_N-SRF	2022-06-18	-	-	-	-	-	-	147		-	-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-06-19_N-SRF	2022-06-19	-	-	-	-	-	-	149		-	-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-06-20_N-SRF	2022-06-20	1110	- 0.025	- 111	0.00029	0.0027	- 274	156	< 0.000010 3.07	7 0.22	< 0.000010	< 0.00010	< 0.00030			.0030
EV_EC1 EV EC1	EV_EC1_WS_2022-06-22_N-SRF EV_EC1_WS_2022-06-21_N-SRF	2022-06-22 2022-06-22	1140	0.025	141	0.00029	0.0027	2.74	169 174		_	< 0.000010	< 0.00010	< 0.00030	0.00836		-
EV_EC1	EV EC1 WS 2022-06-21 N-5K1	2022-06-23	 -	-	-	-	-	_	88.2			_	-	-	-	1	-
EV EC1	EV EC1 WS 2022-06-23 N-SRF	2022-06-23	-	-	-	-	-	-	-			-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-06-24_N-SRF	2022-06-24	-	-	-	-	-	-	156		-	-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-06-25_N-SRF	2022-06-25	-	-	-	-	-	-	147		-	-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-06-26_N-SRF	2022-06-26	-	-	-	-	-	-	177		-	-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-06-27_N-SRF	2022-06-27	-	-	- 440	-	-	-	175		-	-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-06-28_N-SRF	2022-06-28 2022-06-29	1180	_	140	0.00021	0.00212	2.61	156	< 0.000010 3	0.21	< 0.000010	< 0.00010	< 0.00030	0.00759		.0030
EV_EC1 EV EC1	EV_EC1_WS_2022-06-29_N-SRF EV EC1 WS 2022-06 WEK27 N	2022-06-29	-	-	 -	-	-	-	153 176		 -	-	-	-	-		-
EV_EC1	EV EC1 WS 2022-06-30 N-SRF	2022-06-30	 -	+ -	+ -	-	-	-	-		+ -	-	-	-	-		-
EV EC1	EV EC1 WS 2022-07-01 N-SRF	2022-07-01	-	-	-	-	-	-	163		-	-	_	_	-		-
EV_EC1	EV_EC1_WS_2022-07-02_N-SRF	2022-07-02	-	-	-	-	-	-	166		-	-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-07-03_N-SRF	2022-07-03	-	-	-	-	-	-	153		-	-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-07-04_N-SRF	2022-07-04	-	-	-	-	-	-	149		-	-	-	-	-		-
EV_EC1	EV_EC1_WS2022-07-05_N-SRF	2022-07-05	_	0.027	_	0.00023	0.00211	2.69	171		0.21	< 0.000010	< 0.00010	< 0.00030	0.00809	< 0.0	.0030
EV_EC1 EV_EC1	EV_EC1_WS_2022-Q3_N EV_MC5_WS_2022-Q3_N	2022-07-06 2022-07-06	1120	0.023	131	0.00019	0.00192	2 54	156 156	< 0.000010 2.97	7 N 24	< 0.000010	- < 0.00010	< U UUU3U -	- 0.0077	< n i	.0030
EV_EC1	EV_MC5_WS_2022-Q3_N EV_MC7_WS_2022-Q3_N	2022-07-06						2.54				< 0.000010					.0030
EV EC1	EV EC1 WS 2022-07-06 N-SRF	2022-07-06						< 0.050				< 0.000010					.0030
EV_EC1	EV_EC1_WS2022-07-07_N-SRF	2022-07-07		-	-	-	-	-	147		-	-	-	-	-		-
EV_EC1	EV_EC1_WS2022-07-08_N-SRF	2022-07-08	-	-	-	-	-	-	151		-	-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-07-09_N-SRF	2022-07-09		-	-	-	-	-	175			-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-07-10_N-SRF	2022-07-10		-	-	-	-	-	153			-	-	-	-		-
EV_EC1 EV EC1	EV_EC1_WS_2022-07-11_N-SRF EV_EC1_WS_2022-07-12_N-SRF	2022-07-11 2022-07-12		0.026	143	0.00015	0.002	2.52	161	< 0.000010 3.15		< 0.000010	< 0.00010	< 0.00030	0.0076		.0030
EV_EC1	EV_ECT_WS_2022-07-12_N-SRF EV_ECT_WS_2022-07-13_N-SRF	2022-07-12		0.026	143	0.00015	0.002	2.52	163 179	< 0.000010 3.18		< 0.000010	< 0.00010	< 0.00030	0.0076		-
EV_ECT	EV EC1 WS 2022-07-13 N-3RF EV EC1 WS 2022-07 WEK29 N	2022-07-13		+ -	+ -	-	-	-	157		-	-	-	-	-		-
EV EC1	EV EC1 WS 2022-07-14 N-SRF	2022-07-14		-	-	-	-	_	-		-	-	-	-	-	1	-
EV_EC1	EV_EC1_WS_2022-07-15_N-SRF	2022-07-15		-	-	-	-	-	152			-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-07-16_N-SRF	2022-07-16		-	-	-	-	-	161		-	-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-07-17_N-SRF	2022-07-17		-	-	-	-	-	158			-	-	-	-		-
EV_EC1	EV_EC1_WS_2022-07-18_N-SRF	2022-07-18	-	-	-	-	-	-	156		-	-	-	-	-	<u> </u>	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						
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			SS	톨	Ē		*_	ξ	ء		툍	_	μ				
			dne	minu	e e	nie Si	E	rylliu	<u> </u>	<u> </u>	Cadmiu	Ciur	, m	alt	bel		-
Sample	Sample	Sample Date	larc	A L	Ē	\rse	3ari	Bern	Bisr	3or	ad	Salc	l i	Cob	Coppe	ron	9
Location	ID	(mm/dd/yyyy)	ma/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg		mg/L
		1 ()					nic	<u>.5</u>			İ						<u></u>
						cute	. 6	5		ronic				Acute		Acute	Acute Chronic
						Acı	ริ	င်		င်				Acute Chronic		Acı	C Aci
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation																	
EV_EC1	EV_EC1_WS_2022-07-19_N-SRF	2022-07-19	1120	< 0.0030	0.00022	0.00028	0.052	< 0.020	< 0.000050	0.011	< 0.0050	235	0.0002	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-07-20_N-SRF	2022-07-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-07-21_N-SRF EV_EC1_WS_2022-07-22_N-SRF	2022-07-21 2022-07-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_ECT	EV_EC1_WS_2022-07-22_N-SRF EV_EC1_WS_2022-07-23_N-SRF	2022-07-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-07-24 N-SRF	2022-07-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-25_N-SRF	2022-07-25	-	-	-	-	-	-	1-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-26_N-SRF	2022-07-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-07-27_N-SRF	2022-07-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-28_N-SRF	2022-07-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-07-29_N-SRF EV_EC1_WS_2022-07-30_N-SRF	2022-07-29 2022-07-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-07-30 N-SRF	2022-07-30	-	<u> </u>	-	-	-		-	-	-	-		-	-	-	_
EV EC1	EV EC1 WS 2022-08-01 N-SRF	2022-08-01	-	_	_	-	-	-	_	-	_	-	_	-	_	-	-
EV_EC1	EV_EC1_WS_2022-08-02_N-SRF	2022-08-02	1080	< 0.0030	0.00022	0.00019	0.0458	< 0.020	< 0.000050	0.012	0.0000098	220	0.0002	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-08-03_N-SRF	2022-08-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-04_N-SRF	2022-08-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-05_N-SRF	2022-08-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-08-06_N-SRF EV_EC1_WS_2022-08-07_N-SRF	2022-08-06 2022-08-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_ECT	EV_EC1_WS_2022-08-07_N-SRF EV_EC1_WS_2022-08-08_N-SRF	2022-08-08	-	<u> </u>	-	-	-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-08 MON N	2022-08-09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-08-09_N-SRF	2022-08-09	1040	< 0.0030	0.00022	0.00034	0.0481	< 0.020	< 0.000050	0.014	0.0000072	205	0.00021	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-08-10_N-SRF	2022-08-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-11_N-SRF	2022-08-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-12_N-SRF	2022-08-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-08-13_N-SRF EV_EC1_WS_2022-08-14_N-SRF	2022-08-13 2022-08-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-08-15 N-SRF	2022-08-15	-		-	-	_	_	-	-	-	-	_	-	-	-	-
EV EC1	EV EC1 WS 2022-08-16 N-SRF	2022-08-16	1100	0.0043	0.00022	0.00024	0.0442	< 0.020	< 0.000050	0.013	0.0000078	203	0.00026	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_ 2022-08-17_N-SRF	2022-08-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-18_N-SRF	2022-08-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-19_N_SRF	2022-08-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-08-20_N-SRF	2022-08-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-21_N-SRF EV_EC1_WS_2022-08-22_N-SRF	2022-08-21 2022-08-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-08-22 N-SRF	2022-08-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-24_N-SRF	2022-08-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-25_N-SRF	2022-08-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-26_N-SRF	2022-08-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-27_N-SRF	2022-08-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-08-28_N-SRF EV_EC1_WS_2022-08-29_N-SRF	2022-08-28 2022-08-29	-	<u> </u>	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-06-29_N-SRF EV_EC1_WS_2022-08-30_N_SRF	2022-08-30	1240	0.0164	0.00022	0.00029	0.0444	< 0.020	< 0.000050	0.014	< 0.0050	235	0.00027	< 0.10	< 0.00050	< 0.010	< 0.000050
EV EC1	EV EC1 WS 2022-08-31 N SRF	2022-08-31	-	-	-	-	-	- 0.020	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-01_N-SRF	2022-09-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-02_N-SRF	2022-09-02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-03_N-SRF	2022-09-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-04_N-SRF	2022-09-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-05_N-SRF	2022-09-05		-	-	-	-	-	-	-	-	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

									Total Metals							
									Total motalo							
Sample	Sample	Sample Date Hardness	Lithium	Magnesium	Manganese	Ni Cke I*	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	ř	Titanium	Uranium*	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	. mg/L	mg/L	mg/L	mg/L	mg/L
					Acute	Chronic		Chronic	Acute						Chronic	Acute
BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation	EV 504 WO 0000 07 40 N 0D5	1 0000 07 40 14400	0.004	1 454	I 0.00004 I	0.00005	0.74	450	1 0 000010	10.00	0.04	. 0 000010	. 0 00040		0.00700	4.0.0020
EV_EC1	EV_EC1_WS_2022-07-19_N-SRF		0.024	154	0.00024	0.00235	2.71	159 149	< 0.000010	3.26	0.21	< 0.000010	< 0.00010	< 0.00030	0.00786	< 0.0030
EV_EC1 EV EC1	EV_EC1_WS_2022-07-20_N-SRF EV_EC1_WS_2022-07-21_N-SRF	2022-07-20 - 2022-07-21 -	+ -	-	-	<u>-</u>	-	150	-	 -	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-07-21 N-SRF	2022-07-21 -	 -	-	-	-	_	158	-	 -	-	-	-	_	-	-
EV EC1	EV EC1 WS 2022-07-23 N-SRF	2022-07-23 -	-	-	-	-	-	167	-	-	-	-	_	_	_	-
EV EC1	EV EC1 WS 2022-07-24 N-SRF	2022-07-24 -	-	-	-	-	-	146	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-25_N-SRF	2022-07-25 -	-	-	-	-	-	148	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-26_N-SRF	2022-07-26 -	-	-	-	-	-	147	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-07-27_N-SRF	2022-07-27 -	-	-	-	-	-	141	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-28_N-SRF	2022-07-28 -	-	-	-	-	-	160	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-29_N-SRF	2022-07-29 -	-	-	-	-	-	161	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-30_N-SRF	2022-07-30 -	-	-	-	-	-	165	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-07-31_N-SRF	2022-07-31 -	-	-	-	-	-	153	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-01_N-SRF	2022-08-01 -	-	-	-	-	- 0.44	153	-	-	-	-	-	-	-	< 0.0030
EV_EC1	EV_EC1_WS_2022-08-02_N-SRF		0.024	+	0.00133	0.0022	2.44	149	< 0.000010	+	0.21	< 0.000010	< 0.00010	< 0.00030	0.00782	
EV_EC1 EV EC1	EV_EC1_WS_2022-08-03_N-SRF EV_EC1_WS_2022-08-04_N-SRF	2022-08-03 - 2022-08-04 -	-	-	-	-	-	161 162	-	-	<u> </u>	-	-	-	-	-
EV_ECT EV ECT	EV_EC1_WS_2022-08-04_N-SRF EV_EC1_WS_2022-08-05_N-SRF	2022-08-04 -	-	-	-	-	-	155	-	+-	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-08-05 N-SRF	2022-08-06 -	 -	-	-	<u> </u>	-	150	-	╁	 -	-	-	-	-	-
EV EC1	EV EC1 WS 2022-08-07 N-SRF	2022-08-07 -	 -	-	_	-	_	166	_	 -	-	-	-	_	-	_
EV EC1	EV EC1 WS 2022-08-08 N-SRF	2022-08-08 -	-	_	-	_	_	169	-	+-	-	_	_	-	_	_
EV EC1	EV EC1 WS 2022-08 MON N	2022-08-09 -	-	-	-	-	-	130	-	-	-	-	_	_	-	-
EV EC1	EV EC1 WS 2022-08-09 N-SRF		0.026	144	0.00016	0.00211	2.65	160	< 0.000010	3.19	0.21	< 0.000010	< 0.00010	< 0.00030	0.00772	< 0.0030
EV_EC1	EV_EC1_WS_2022-08-10_N-SRF	2022-08-10 -	-	-	-	-	-	138	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-11_N-SRF	2022-08-11 -	-	-	-	-	-	138	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-12_N-SRF	2022-08-12 -	-	-	-	-	-	183	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-13_N-SRF	2022-08-13 -	-	-	-	-	-	145	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-14_N-SRF	2022-08-14 -	-	-	-	-	-	153	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-15_N-SRF	2022-08-15 -	-	-	-	-	-	151	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-16_N-SRF		0.026	140	0.00017	0.00207	2.47	142	< 0.000010	_	0.2	< 0.000010	< 0.00010	< 0.00030	0.00766	< 0.0030
EV_EC1 EV EC1	EV_EC1_WS_ 2022-08-17_N-SRF EV_EC1_WS_ 2022-08-18_N-SRF	2022-08-17 - 2022-08-18 -	-	-	-	-	-	150 130	-	-	-	-	-	-	-	-
EV_EC1	EV_ECT_WS_2022-08-18_N-SRF EV_ECT_WS_2022-08-19_N_SRF	2022-08-19 -	-	-	-	<u>-</u>	-	156		+-	-	-	-	-	-	-
EV_EC1	EV ECT WS 2022-06-19 N SRF EV ECT WS 2022-08-20 N-SRF	2022-08-20 -	 -	-	-	<u> </u>	-	156	-	+-	+-	-	-	-	-	-
EV EC1	EV_EC1_WS_2022-08-21_N-SRF	2022-08-21 -			-	_	_	145	-	 -	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-08-22 N-SRF	2022-08-22 -	-	-	-	-	-	139	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-23_N-SRF	2022-08-23 -	-	-	-	-	-	149	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-24_N-SRF	2022-08-24 -	-	-	-	-	-	155	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-25_N-SRF	2022-08-25 -	-	-	-	-	-	153	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-26_N-SRF	2022-08-26 -	-	-	-	-	-	136	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-27_N-SRF	2022-08-27 -	-	-	-	-	-	155	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-28_N-SRF	2022-08-28 -	-	-	-	-	-	144	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-08-29_N-SRF EV_EC1_WS_2022-08-30_N_SRF	2022-08-29 -	- 0.000	151	- 0.0003	- 0.00109	- 2.54	149	- 0.000010	- 2 4 2	- 0.22	- 0.000040	- 0.00040	- 0.00000	- 0.00705	- 0.0030
EV_EC1 EV EC1	EV_EC1_WS_2022-08-30_N_SRF EV_EC1_WS_2022-08-31_N_SRF	2022-08-30 1240 2022-08-31 -	0.029	151	0.0002	0.00198	2.54	163 151	< 0.000010	3.12	0.22	< 0.000010	< 0.00010	< 0.00030	0.00795	< 0.0030
EV_EC1	EV_ECT_WS_2022-06-31_N_SRF EV_ECT_WS_2022-09-01_N-SRF	2022-08-31 -	+ -	-	-	-	-	150	-	+-	+-	-	-	-	-	-
EV_EC1	EV EC1_W3_2022-09-01_N-SRF EV EC1_WS_2022-09-02_N-SRF	2022-09-01 -	-	-	-	<u> </u>	-	168	-	+-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-09-02 N-SRF	2022-09-02 -	 -	-	-		_	159	-	+-	i i	-	-	-	-	-
EV EC1	EV EC1 WS 2022-09-04 N-SRF	2022-09-04 -	-	-	-	-	-	151	-	 -	<u> </u>	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-05_N-SRF	2022-09-05 -	-	-	-	-	-	170	-	-	-	-	-	-	-	-
			_									_				

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

			Ī								Total Metals						
Sample Location	Sample ID	Sample Date	Hardness	Mg/L	Mg/L	Arsenic	mg/L	Beryllium*	Bismuth Mg/L	Boron mg/L	Cadmium Mg/L	Calcium Mg/L	mg/L	mg/L	Copper	lron	pae-7 mg/L
Location	טו	(IIIII/dd/yyyy)	ilig/L	IIIg/L	mg/L	IIIg/L	ilig/L	ilig/L .o	mg/L	ilig/L	mg/L	IIIg/L	IIIg/L		ilig	/L	
						Acute	Chron	Chron		Chron				Acute Chronic		Acute	Acute
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation EV EC1	EV_EC1_WS_2022-09-06_N-SRF	2022-09-06	_ 1		<u> </u>	l -	_	_	T _	Ι -	_	_	_	_	_	_	
EV_EC1	EV EC1 WS 2022-09-00 N-SRF	2022-09-07	-		-	-	-	-	-	-	-	-	-	-	_	-	-
EV_EC1	EV_EC1_WS_2022-09_MON_N	2022-09-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-08_N-SRF		1160	0.0055	0.00019	0.00026	0.0455	< 0.020	< 0.000050	0.014	0.0000056	213	0.00018	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-09-09_N-SRF	2022-09-09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-09-10_N-SRF	2022-09-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-11_N-SRF EV_EC1_WS_2022-09-12_N-SRF	2022-09-11 2022-09-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-09-13 N-SRF	2022-09-13	995	0.0034	0.0002	0.00034	0.047	< 0.020	< 0.000050	0.015	0.0000074	213	0.0002	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_ 2022-09-14_N-SRF	2022-09-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-15_N-SRF	2022-09-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-16_N-SRF	2022-09-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-09-17_N-SRF EV_EC1_WS_2022-09-18_N-SRF	2022-09-17 2022-09-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-09-16 N-SRF	2022-09-18	-	 _	-	-		-	-	-		-		-		-	-
EV EC1	EV EC1 WS 2022-09-20 N-SRF	2022-09-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-21_N_SRF	2022-09-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-09-22_N-SRF	2022-09-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-23_N-SRF	2022-09-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-09-24_N-SRF EV_EC1_WS_2022-09-25_N-SRF	2022-09-24 2022-09-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-09-25 N-SRF	2022-09-26	-		-	_	-	-	-	-	-	-	-	-	_	_	-
EV_EC1	EV_EC1_WS_2022-09-27_N-SRF		1180	0.0079	0.00023	0.00027	0.0481	< 0.020	< 0.000050	0.013	0.0000098	209	0.00019	< 0.10	< 0.00050	0.013	0.000102
EV_EC1	EV_EC1_WS_2022-09-28_N-SRF	2022-09-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-29_N-SRF	2022-09-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-09-30_N-SRF EV_EC1_WS_2022-10-01_N-SRF	2022-09-30 2022-10-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_ECT_WS_2022-10-01_N-SRF EV_ECT_WS_2022-10-02_N-SRF	2022-10-01	-		-	-	-	-	-	-	-	-		-		-	-
EV EC1	EV EC1 WS 2022-10-03 N-SRF	2022-10-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-10-04_N-SRF		1140	0.0063	0.0002	0.00024	0.0456	< 0.020	< 0.000050	0.013	0.0000073	241	0.00022	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-Q4_N	2022-10-05	-	-	-	-	- 0.0407	-	-	- 0.004	-	-	- 0.00044	-	- 0.00050	-	- 0.000050
EV_EC1 EV EC1	EV_EC1_WS_2022-10-06_N-SRF EV_EC1_WS_2022-10-17_N-SRF	2022-10-06 2022-10-17	1240	0.0038	0.00021	0.0003	0.0487	< 0.020	< 0.000050	0.021	< 0.0050	252	0.00014	0.00014	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_ECT_WS_2022-10-17_N-SRF EV_ECT_WS_2022-10-31_N-SRF		1190	< 0.0030	0.00023	0.0003	0.0392	< 0.020	< 0.000050	0.023	0.000013	266	0.00032	0.00069	0.00067	0.01	< 0.000050
EV_EC1	EV EC1_WS_2022-11-14_N-SRF		1260	0.0071	0.00021	0.00029	0.0363	< 0.040	< 0.000100	0.024	0.000010	260	< 0.00020	0.0008	< 0.00100	< 0.020	< 0.000100
EV_EC1	EV_EC1_WS_2022-11_MON_N		1240	< 0.0030	0.0002	0.0003	0.0333	< 0.020	< 0.000050	0.023	0.0000094	217	0.0001	0.00098	< 0.00050	< 0.010	< 0.000050
EV_EC1	EV_EC1_WS_2022-11-21_N-SRF		1250	< 0.0030	0.00023	0.00029	0.0325	< 0.020	< 0.000050	0.025	0.0000142	239	0.00011	0.00106	< 0.00050	< 0.010	< 0.000050
EV_ER4 EV ER4	EV_ER4_WS_2022-Q1_N EV_ER4_WS_2022-02_MON_N	2022-01-10 2022-02-15	- 256	0.0232	- 0.00010	- 0.00022	0.0691	< 0.020	< 0.000050	- 0.010	0.0000153	- 60 1	0.0003	< 0.10	< 0.00050	0.031	< 0.000050
EV_ER4 EV ER4	EV_ER4_WS_2022-02_MON_N EV_ER4_WS_2022-03_MON_N		301	0.0232	< 0.00010 < 0.00010	0.00022 0.00021	0.0691	< 0.020	< 0.000050	< 0.010 < 0.010	0.0000153	68.1 78.2	0.0003	< 0.10	< 0.00050	< 0.031	< 0.000050
EV ER4	EV ER4 WS 2022-03 WEK13 N	2022-03-13	314	0.0033	< 0.00010	0.00021	0.0784	< 0.020	< 0.000050	< 0.010	0.0000120	77.6	0.00024	< 0.10	< 0.00050	0.021	< 0.000050
EV_ER4	EV_ER4_WS_2022-03_WEK14_N	2022-03-28	289	0.0102	< 0.00010	0.00025	0.0823	< 0.020	< 0.000050	< 0.010	0.000011	73.5	0.00032	< 0.10	0.00074	0.013	< 0.000050
EV_ER4	EV_ER4_WS_2022-04_WEK15_N		292	0.0533	< 0.00010	0.00029	0.0786	< 0.020	< 0.000050	< 0.010	0.0000216	76.4	0.00032	< 0.10	< 0.00050	0.055	< 0.000050
EV_ER4	EV_ER4_WS_2022-Q2_N		319	0.057	< 0.00010	0.00025	0.0779	< 0.020	< 0.000050	< 0.010	0.0000307	77.4	0.00034	< 0.10	< 0.00050	0.109	0.000097
EV_ER4 EV ER4	EV_ER4_WS_2022-04_WEK17_N EV_ER4_WS_2022-04_WEK18_N		312 307	0.0184 0.0141	< 0.00010 < 0.00010	0.0002 0.00018	0.0778 0.0771	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	0.0000193 0.0000156	74.6 81.1	0.00021 0.0002	< 0.10 < 0.10	< 0.00050 < 0.00050	0.034	< 0.000050 < 0.000050
EV ER4	EV ER4 WS 2022-05 MON N		301	0.0141	< 0.00010	0.00017	0.0763	< 0.020	< 0.000050	< 0.010	0.0000136	79.5	0.0002	< 0.10	< 0.00050	0.024	< 0.000050
EV_ER4	EV_ER4_WS_2022-05_WEK20_N		292	0.0761	< 0.00010	0.00026	0.0743	< 0.020	< 0.000050	< 0.010	0.0000214	74.2	0.00047	< 0.10	< 0.00050	0.094	0.000071
EV_ER4	EV_ER4_WS_2022-05_WEK21_N		231	0.234	< 0.00010	0.00032	0.0647	< 0.020	< 0.000050	< 0.010	0.0000461	62.8	0.00062	0.00013	0.0005	0.28	0.000181
EV_ER4	EV_ER4_WS_2022-05_WEK22_N	2022-05-24	258	0.0512	< 0.00010	0.00019	0.0668	< 0.020	< 0.000050	< 0.010	0.0000309	68.8	0.00029	< 0.10	0.0006	0.074	0.000067

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

									Total Metals							
									1000.							
Sample	Sample	Sample Date	Lithium	Magnesium	Manganese	Nickel*	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium*	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
					Acute Chronic	Chronic		Chronic	Acute						Chronic	Acute Chronic
BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation	51/ 50/ WO 0000 00 00 N 0D5	1 0000 00 00	1	1				400		1 1			T	1	Т	T 1
EV_EC1	EV_EC1_WS_2022-09-06_N-SRF	2022-09-06 -	-	-	-	-	-	166	-	-	-	-	-	-	-	-
EV_EC1 EV EC1	EV_EC1_WS_2022-09-07_N-SRF EV_EC1_WS_2022-09_MON_N	2022-09-07 - 2022-09-08 -	-	-	-	-	-	166 159	-	+ -	-	-	-	-	-	-
EV_EC1	EV EC1 WS 2022-09-MON N EV EC1 WS 2022-09-08 N-SRF	2022-09-08 1160		156	0.00012	0.00212	2.52	172	< 0.000010	3.39	0.2	< 0.000010	< 0.00010	< 0.00030	0.00782	< 0.0030
EV_EC1	EV_EC1_WS_2022-09-06_N-SRF EV_EC1_WS_2022-09-09_N-SRF	2022-09-08 1160	0.021	100	0.00012	0.00212	2.52	163	- 0.000010	3.38	-		- 0.00010	- 0.00030	-	- 0.0030
EV_EC1	EV EC1 WS 2022-09-10 N-SRF	2022-09-10 -	-	-	-	-	-	164	<u>-</u>	+ - 1	-	<u> </u>	-	-	-	-
EV EC1	EV EC1 WS 2022-09-11 N-SRF	2022-09-11 -	-	-	-	-	_	160	-	1 - 1	-	_	_	_	_	-
EV EC1	EV EC1 WS 2022-09-12 N-SRF	2022-09-12 -	_	-	-	_	-	159	-	1 - 1	-	-	_	_	_	-
EV_EC1	EV_EC1_WS_2022-09-13_N-SRF	2022-09-13 995	0.026		0.00054	0.00192	2.67	156	< 0.000010	3.53		< 0.000010	< 0.00010	< 0.00030	0.00703	< 0.0030
EV EC1	EV EC1 WS 2022-09-14 N-SRF	2022-09-14 -	-	-	-	-	-	157	-	1 - 1	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-09-15 N-SRF	2022-09-15 -	-	-	-	-	-	145	-	- 1	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-16_N-SRF	2022-09-16 -	-	-	-	-	-	160	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-17_N-SRF	2022-09-17 -	-	-	-	-	-	162	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-18_N-SRF	2022-09-18 -	-	-	-	-	-	154	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-19_N-SRF	2022-09-19 -	-	-	-	-	-	164	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-20_N-SRF	2022-09-20 -	-	-	-	-	-	152	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-21_N_SRF	2022-09-21 -	-	-	-	-	-	146	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_ 2022-09-22_N-SRF	2022-09-22 -	-	-	-	-	-	162	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-23_N-SRF	2022-09-23 -	-	-	-	-	-	161	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-24_N-SRF	2022-09-24 -	-	-	-	-	-	152	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-25_N-SRF	2022-09-25 -	-	-	-	-	-	142	-	-	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-09-26_N-SRF	2022-09-26 -	0.006	150	0.00054	- 0.000	2.71	145	< 0.000010	2 24	0.21	- 0.000010	- 0.00010	- 0.00030	- 0.00710	< 0.0030
EV_EC1 EV EC1	EV_EC1_WS_2022-09-27_N-SRF EV_EC1_WS_2022-09-28_N-SRF	2022-09-27 1180 2022-09-28 -	0.026			0.002	2.71	157 149		3.31	0.21	< 0.000010	< 0.00010	< 0.00030	0.00712	< 0.0030
EV_EC1	EV EC1 WS 2022-09-26 N-SRF EV EC1 WS 2022-09-29 N-SRF	2022-09-29 -	-	-	-	-	-	156		+	-	<u> </u>	-	-	-	-
EV_EC1	EV EC1 WS 2022-09-29 N-SRF	2022-09-29 -	-	-	-	-		154	<u>-</u>	+ - +	-	<u>-</u>	-	-	-	-
EV_EC1	EV EC1 WS 2022-10-01 N-SRF	2022-10-01 -	1 -	-	-	-		154		+ - +	-	<u>-</u>	-	-	-	_
EV EC1	EV EC1 WS 2022-10-01 N-SRF	2022-10-01 -	 	-	-	-	_	157	=	+ - +	-	<u> </u>	-	-	-	_
EV EC1	EV EC1 WS 2022-10-03 N-SRF	2022-10-03 -	<u> </u>	-	-	_	_	158	-	+ - 1	_	_	_	_	_	-
EV EC1	EV EC1 WS 2022-10-04 N-SRF		0.031	157	0.00036	0.0018	2.79	177	< 0.00010	3.4	0.22	0.00001	< 0.00010	< 0.00030	0.00749	0.0065
EV EC1	EV EC1 WS 2022-Q4 N	2022-10-05 -	-	-	-	-	-	167	-	-	-	-	-	-	-	-
EV EC1	EV EC1 WS 2022-10-06 N-SRF		0.055	170	0.0008	0.00406	3.28	122	< 0.000010	5.56	0.29	0.000015	< 0.00010	< 0.00030	0.00852	< 0.0030
EV EC1	EV EC1 WS 2022-10-17 N-SRF	2022-10-17 -	-	-	-	-	-	153	-	- 1	-	-	-	-	-	-
EV_EC1	EV_EC1_WS_2022-10-31_N-SRF		0.071		0.012	0.0121	3.7	123	< 0.000010	6.64		0.000028	< 0.00010	< 0.00030	0.00945	< 0.0030
EV_EC1	EV_EC1_WS_2022-11-14_N-SRF	2022-11-14 1260	0.074	165	0.0145	0.0122	3.62	97.1	< 0.000020			0.000035	< 0.00020	< 0.00060	0.00976	0.0086
EV_EC1	EV_EC1_WS_2022-11_MON_N	2022-11-15 1240			0.018	0.0139	3.56	95.5	< 0.000010	7.2		0.00003		< 0.00030	0.00888	< 0.0030
EV_EC1	EV_EC1_WS_2022-11-21_N-SRF		1	155	0.0188	0.0144	3.56	95.8	< 0.000010	7.52		0.000036	< 0.00010	< 0.00030	0.0103	< 0.0030
EV_ER4	EV_ER4_WS_2022-Q1_N	2022-01-10 -	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_ER4	EV_ER4_WS_2022-02_MON_N			25.2	0.00266	< 0.00050	0.72	16.7	< 0.000010	3.33		< 0.000010	< 0.00010	< 0.00060	0.00142	< 0.0030
EV_ER4	EV_ER4_WS_2022-03_MON_N			27.8	0.00136	< 0.00050	0.758	20.8	< 0.000010	3.59		< 0.000010	< 0.00010	< 0.00030	0.00142	< 0.0030
EV_ER4	EV_ER4_WS_2022-03_WEK13_N		0.014		0.00236	< 0.00050	0.81	19.6	< 0.000010	3.85		< 0.000010	< 0.00010	< 0.00060	0.00151	< 0.0030
EV_ER4	EV_ER4_WS_2022-03_WEK14_N			28.4	0.00207	0.00054	1.17	18.8	< 0.000010	5.12		< 0.000010	< 0.00010	< 0.00030	0.00154	0.0044
EV_ER4	EV_ER4_WS_2022-04_WEK15_N		0.014	26.4	0.00514	< 0.00050	0.892 0.922	18.3	< 0.000010 < 0.000010	3.78		< 0.000010 < 0.000010	< 0.00010	0.00122	0.00153	< 0.0030 < 0.0030
EV_ER4 EV ER4	EV_ER4_WS_2022-Q2_N EV_ER4_WS_2022-04_WEK17_N	2022-04-11 319			0.0101 0.00359	0.0006 0.00055	0.922	21.7 22.6	< 0.000010	3.59		< 0.000010	< 0.00010 < 0.00010	0.00071 < 0.00030	0.00165 0.00165	< 0.0030
EV_ER4 EV ER4	EV_ER4_WS_2022-04_WEK17_N EV_ER4_WS_2022-04_WEK18_N	2022-04-18 312			0.00359	0.00055	0.872	24.6	< 0.000010	3.41		< 0.000010	< 0.00010		0.00165	< 0.0030
EV_ER4	EV_ER4_WS_2022-04_WER16_N EV_ER4_WS_2022-05_MON_N			30.9	0.00213	0.00067	0.862	22.7	< 0.000010			< 0.000010	< 0.00010	< 0.00030	0.0018	< 0.0030
EV_ER4	EV ER4 WS 2022-05 WEK20 N			28.8	0.00269	0.00073	0.823	20	< 0.000010	2.85		< 0.000010	< 0.00010	0.00093	0.00178	< 0.0030
EV ER4	EV ER4 WS 2022-05 WEK21 N	2022-05-16 231			0.0133	0.00032	0.801	15.5	< 0.000010	2.22		0.000010	< 0.00010	< 0.00540	0.0017	0.0031
EV ER4	EV ER4 WS 2022-05 WEK22 N		0.012		0.00544	0.0009	0.742	15.3	< 0.000010	2.39		< 0.000011	< 0.00010	0.00071	0.00149	< 0.0030
										,		2.2300.0	2.300.0			

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

			Г								Total Metals						
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Sample	Sample	Sample Date	larc	Alur	į	rse	ä	Bery	Bisn	or o	gad	Salc	l di	Cob	Coppe	ron	ea
Sample Location	Sample ID	Sample Date (mm/dd/yyyy)	ma/l	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	O mg	_	mg/L
2004.011	15	(11111111111111111111111111111111111111	g, _	9/=	g/L	g/.	<u>မှ</u>	g/.2	g/L	ပ	g/_	g/_	g/	+ + +	9		,
						cute	.on	ō		Chroni				g lte		ıte	Acute
						Acı	녌	ਤੌ		ਤੌ				Acute Chronic		Acute	Acute
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation																	
EV_ER4	EV_ER4_WS_2022-05_WEK23_N	2022-05-30	260	0.0726	< 0.00010	0.00024	0.065	< 0.020	< 0.000050	< 0.010	0.000044	68.6	0.00036	< 0.10	< 0.00050	0.099	0.00013
EV_ER4	EV_ER4_WS_2022-06_MON_N	2022-06-07	217	0.52	0.00011	0.00056	0.0606	0.000035	< 0.000050	< 0.010	0.0000992	56.3	0.0013	0.00034 0.00084	0.00106	0.699	0.000489
EV_ER4 EV ER4	EV_ER4_WS_2022-06_WEK25_N EV_ER4_WS_2022-06_WEK26_N	2022-06-14 2022-06-20	185 171	1.13 1.29	0.00016 0.00018	0.00115 0.00143	0.0727 0.0693	0.00011	< 0.000050 < 0.000050	< 0.010 < 0.010	0.000244 0.00021	64.5 55.3	0.00265 0.00304	0.00084	0.00252 0.00266	1.99 2.21	0.0013 0.00137
EV_ER4	EV ER4 WS 2022-06 WEK27 N	2022-06-27	170	2.41	0.00018	0.00143	0.0095	0.000117	< 0.000050	0.010	0.00021	75.1	0.00504	0.00093	0.00200	4.27	0.00137
EV_ER4	EV_ER4_WS_2022-Q3_N	2022-07-04	188	0.56	0.00013	0.00071	0.0598	0.00005	< 0.000050	< 0.010	0.00012	57.8	0.00144	0.00046	0.00137	0.986	0.00065
EV_ER4	EV_ER4_WS_2022-07_WEK29_N	2022-07-11	175	0.406	0.0001	0.0005	0.0532	0.000042	< 0.000050	< 0.010	0.0000848	49.8	0.00098	0.0003	0.00093	0.678	0.000479
EV_ER4	EV_ER4_WS_2022-08_MON_N	2022-08-08	176	0.253	< 0.00010	0.00035	0.0491	0.000023	< 0.000050	< 0.010	0.0000603	50.9	0.00075	0.00016	0.00068	0.4	0.000255
EV_ER4 EV ER4	EV_ER4_WS_2022-09_MON_N EV_ER4_WS_2022-Q4_N	2022-09-06 2022-10-03	212 243	0.0611 0.0175	< 0.00010 < 0.00010	0.00022 0.00022	0.0622 0.0617	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	0.0000283 0.000013	57.7 56.4	0.0004 0.00026	< 0.10 < 0.10	< 0.00050 < 0.00050	0.121	0.000077 < 0.000050
EV_ER4 EV ER4	EV_ER4_WS_2022-Q4_N EV_ER4_WS_2022-11_MON_N	2022-10-03	258	0.0175	< 0.00010	0.00022	0.0617	< 0.020	< 0.000050	< 0.010	0.000013	70.6	0.00026	< 0.10	< 0.00050	< 0.028	< 0.000050
EV GC2	EV GC2 WS 2022-01-02 N	2022-11-07	282	0.0072	< 0.00010	0.00013	0.0037	< 0.020	< 0.000050	< 0.010	0.0000107	71	0.00024	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_GC2	EV_GC2_WS_2022-01-04_N	2022-01-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-Q1_N	2022-01-05	-		-	-	-		-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-06_N_0915	2022-01-06	643	0.238	0.00114	0.00022	0.118	0.000022	< 0.000050	0.025	0.000102	140	0.00037	0.00016	0.00074	0.103	0.000216
EV_GC2	EV_GC2_WS_2022-01-06_N_1209	2022-01-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-01-07_N EV_GC2_WS_2022-01-08_N	2022-01-07 2022-01-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-01-09 N	2022-01-09	_		-	_	_	-	-	_	_	-	_	_		-	-
EV GC2	EV GC2 WS 2022-01-14 N	2022-01-14	-	-	-	-	_	-	-	-	-	_	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-01-22 N	2022-01-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-23_N_1306	2022-01-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-23_N_1628	2022-01-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-01-24_N EV_GC2_WS_2022-01-25_N	2022-01-24 2022-01-25	-	-	-	-	-	-	-	-	-	-	-	-	<u>-</u>	-	-
EV GC2	EV GC2 WS 2022-01-28 N 1448	2022-01-28	_	_	_	_	_	_	_	_	_	_	-	_	_	_	-
EV_GC2	EV_GC2_WS_2022-01-28_N_0816	2022-01-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-29_N	2022-01-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-30_N	2022-01-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-01-31_N_1332 EV_GC2_WS_2022-01-31_N_1434	2022-01-31 2022-01-31	-	-	-	-	-	-	-	-	-	-	-	-	<u>-</u>	-	-
EV_GC2	EV GC2 WS 2022-01-31 N 1509	2022-01-31	-	<u>-</u>	-	-	-	-	-	-	-	-	-	-	<u>-</u>	+ -	-
EV GC2	EV GC2 WS 2022-01-31 N 1539	2022-01-31	- 1	-	_	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1627	2022-01-31	-	-	-	-	-	-	_	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1645	2022-01-31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_0858	2022-01-31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1208 EV_GC2_WS_2022-01-31_N_1231	2022-01-31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-01-31_N_1231 EV_GC2_WS_2022-02-01_N_1304	2022-01-31 2022-02-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-02-01 N 1405	2022-02-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1506	2022-02-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1538	2022-02-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_0744	2022-02-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_0843	2022-02-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-01_N_0933 EV_GC2_WS_2022-02-01_N_1047	2022-02-01 2022-02-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1047 EV_GC2_WS_2022-02-01_N_1204	2022-02-01	-	<u> </u>	-	-	-	-	-	-	-	-	-	-	<u> </u>	-	-
EV GC2	EV GC2 WS 2022-02-01 N 1508	2022-02-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-02_N_1605	2022-02-02		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-02_N_0759	2022-02-02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

									Total Matala						
				1		1	1		Total Metals					1	
Sample Location	Sample ID	Sample Date 포	Lithium Maylr	Magnesium	Manganese	Nickel*	Potassium	Ng/F	mg/L	mg/L mg		⊑ E mg/L	Titanium mg/L	Mg/L	SE IZ mg/L
		, , , , , , , , , , , , , , , , , , ,			<u>i</u> : <u>:</u>	nic c		nic		,					iō
					Acute	Chror		Chror	Acute					Chronic	Acute
BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a n	a n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation	EV ED4 WO 2000 OF WEKOO N	I 0000 05 00 I 000	10044	1 00 0	0.00075	0.00004	0.700	440	1 .0.000040	0.4510	10.000010	. 0 00040	0.00000	0.00400	0.000
EV_ER4 EV ER4	EV_ER4_WS_2022-05_WEK23_N EV_ER4_WS_2022-06_MON_N		0.011	22.8 19.9	0.00875 0.0362	0.00094 0.0019	0.708	14.2 10	< 0.000010 0.000012	2.45 0.1 1.62 0.		< 0.00010 < 0.00010	0.00099 0.00487	0.00133 0.00116	0.003 0.0064
EV_ER4	EV ER4 WS 2022-06 WCN N EV ER4 WS 2022-06 WEK25 N		0.008		0.0302	0.0019	1.02	8.48	0.000012	1.34 0.		< 0.00010	0.00467	0.00116	0.0064
EV ER4	EV ER4 WS 2022-06 WEK26 N	2022-06-20 171			0.126	0.00437	1.04	7.71	0.000039	1.21 0.		0.00014	0.00857	0.00117	0.018
EV ER4	EV ER4 WS 2022-06 WEK27 N	2022-06-27 170		20.2	0.246	0.0081	1.67	6.86	0.00061	1.23 0.		0.00011	0.0141	0.00128	0.033
EV_ER4	EV_ER4_WS_2022-Q3_N	2022-07-04 188	0.008	16.7	0.0577	0.0026	0.861	8.64	0.000016	1.32 0.	0.000034	< 0.00010	0.00408	0.00108	0.0089
EV_ER4	EV_ER4_WS_2022-07_WEK29_N		0.007		0.0328	0.00174	0.73	7.89	0.000013	1.28 0.	0.000019	< 0.00010	0.00332	0.00101	0.0058
EV_ER4	EV_ER4_WS_2022-08_MON_N		0.007		0.022	0.00138	0.641	6.88	< 0.000010	1.32 0.		< 0.00010	< 0.00240	0.000948	0.0044
EV_ER4	EV_ER4_WS_2022-09_MON_N		0.009		0.00851	0.0007	0.621	9.96	< 0.000010	1.73 0.		< 0.00010	0.00076	0.0012	< 0.0030
EV_ER4	EV_ER4_WS_2022-Q4_N	2022-10-03 243			0.00368	0.00052	0.592	10.6	< 0.000010	1.88 0.		< 0.00010	< 0.00030	0.00113	< 0.0030 < 0.0030
EV_ER4 EV GC2	EV_ER4_WS_2022-11_MON_N EV_GC2_WS_2022-01-02_N	2022-11-07 258 2022-01-02 282	0.011		0.00211 0.00206	< 0.00050 < 0.00050	0.724 0.687	15 13.6	< 0.000010 < 0.000010	2.81 0.1 3.14 0.1		< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00129 0.00131	< 0.0030
EV_GC2	EV GC2 WS 2022-01-02 N EV GC2 WS 2022-01-04 N	2022-01-02 282	0.012		0.00206	- 0.00050	0.007	-	- 0.000010	3.14 0		- 0.00010	- 0.00030	-	- 0.0030
EV_GC2	EV GC2 WS 2022-01-04 N	2022-01-04 -	+-	+	_		+ -				-	 	-	-	
EV GC2	EV GC2 WS 2022-01-06 N 0915	2022-01-06 643	0.03	77.6	0.0101	0.00167	2.07	92.7	< 0.000010	8.03 0.4	11 0.000012	0.00013	< 0.00390	0.0041	0.0038
EV GC2	EV GC2 WS 2022-01-06 N 1209	2022-01-06 -	-	-	-	-	-	-	-		-	-	-	-	•
EV GC2	EV GC2 WS 2022-01-07 N	2022-01-07 -	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-08_N	2022-01-08 -	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-09_N	2022-01-09 -	-	-	-	-	-	-	-		-	-	-	-	=
EV_GC2	EV_GC2_WS_2022-01-14_N	2022-01-14 -	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-22_N	2022-01-22 -	-	-	-	-	-	-	-	- -	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-23_N_1306	2022-01-23 -	-	-	-	-	-	-	-			-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-23_N_1628	2022-01-23 -	-	-	-	-	-	-	-	- -		-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-01-24_N	2022-01-24 - 2022-01-25 -	-	-	-	-	-	-	<u>-</u>	- -		-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-25_N EV_GC2_WS_2022-01-28_N_1448	2022-01-25 -	-	-	-	-	-	-				-	-	-	-
EV_GC2	EV GC2 WS 2022-01-28 N 0816	2022-01-28 -	-	+ -	-	-	-	-	-		-	-	-	-	-
EV GC2	EV GC2 WS 2022-01-29 N	2022-01-29 -	+ -	+ -	-	-	-		-			-	-	-	-
EV GC2	EV GC2 WS 2022-01-30 N	2022-01-30 -	-	-	-	-	-	-	-	- 1 -	-	_	_	_	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1332	2022-01-31 -	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1434	2022-01-31 -	-	-	-		-	-	-			-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1509	2022-01-31 -	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1539	2022-01-31 -	-	-	-	-	-	-	-			-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1627	2022-01-31 -	-	-	-	-	-	-	-	- -	+	-	-	-	-
EV_GC2	EV_GC2_WS_2022-01-31_N_1645 EV_GC2_WS_2022-01-31_N_0858	2022-01-31 -	_	-	-	-	-	-	-	- -		-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-01-31_N_0858 EV_GC2_WS_2022-01-31_N_1208	2022-01-31 - 2022-01-31 -	-	-	-	-	<u> </u>	-	-			-	-	-	-
EV_GC2	EV GC2 WS 2022-01-31 N 1231	2022-01-31 -	 -	+ -	<u>-</u>	-	+ -	-	-			-	-	-	-
EV_GC2	EV GC2 WS 2022-01-01 N 1304	2022-01-01 -	-	+ -	-	-	+ -	_	-				-	-	-
EV GC2	EV GC2 WS 2022-02-01 N 1405	2022-02-01 -	-	-	-	-	-	-	-			_	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1506	2022-02-01 -	-	-	-	-	-	-	-	- -	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1538	2022-02-01 -	-	-	-	-		-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_0744	2022-02-01 -	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_0843	2022-02-01 -	-	-	-	-	-	-	-	- -		-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_0933	2022-02-01 -		-	-	-	-	-	-	- -		-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1047	2022-02-01 -	_	-	-	-	-	-	-	- -		-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-01_N_1204	2022-02-01 -	-	-	-	-	-	-	-	- -		-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-02_N_1508 EV_GC2_WS_2022-02-02_N_1605	2022-02-02 - 2022-02-02 -	-	-	-	-	-	-	-			-	-	-	-
EV_GC2	EV GC2 WS 2022-02-02 N 0759	2022-02-02 -	-	+ -	-	-	-	-	-			-	-	-	-
LV_GCZ	LV_GOZ_VVG_ZUZZ-UZ-UZ_IN_U/39	2022-02-02 -	-		<u> </u>	<u> </u>	-								<u>-</u>

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

			Ī								Total Metals						
				۶	_			*_			_		Ε				
			ess	<u> </u>	ony	. <u>2</u>	*=	in E	ŧ	_	i i	툍	niu M	<u> =</u>	<u>.</u>		
			귤	Ē	fig	sen	Ē	nylliu.	l lus	l o	dmiu	這	Į.	obali	eddo	<u> </u>	ad
Sample	Sample	Sample Date	포	<u> </u>	Ą	₹	Ba	B	ä	B	ပိ	ပ္မ	์ 5	Ú	O	Iron	Le
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/	L	mg/L
						te te	onic	onic		onic				onic te		te te	onic te
						Acute	Chro	Chr		Chro				Acute Chronic		Acute	Acute
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation				-			l	L							•	L	
EV_GC2	EV_GC2_WS_2022-02-02_N_1135	2022-02-02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-02_N_1250	2022-02-02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-03_N_1334 EV_GC2_WS_2022-02-03_N_1434	2022-02-03 2022-02-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-02-03 N 1557	2022-02-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-03_N_0725	2022-02-03		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2_WS_2022-02-03_N_0840	2022-02-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-03_N_1000	2022-02-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-03_N_1101 EV_GC2_WS_2022-02-04_N_1336	2022-02-03 2022-02-04		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-02-04 N 1421	2022-02-04	- 1	-	-	-	-	-	-	-	-	-	-	-	_	_	-
EV_GC2	EV_GC2_WS_2022-02-04_N_0757	2022-02-04	- 1	-	=	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-04_N_1054	2022-02-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-04_N_1236 EV_GC2_WS_2022-02-05_N	2022-02-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV GC2 WS 2022-02 MON N	2022-02-05 2022-02-07	-	-	_	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-02-08 N	2022-02-07	606	0.0674	0.00068	0.00021	0.115	< 0.020	< 0.000050	0.026	0.0000575	129	0.00018	0.00021	< 0.00050	0.062	0.000101
EV_GC2	EV_GC2_WS_2022-02-09_N	2022-02-09	620	0.228	0.00082	0.00024	0.114	< 0.020	< 0.000050	0.026	0.0000428	130	0.00023	0.0002	< 0.00050	0.061	0.000115
EV_GC2	EV_GC2_WS_2022-02-10_N_1330	2022-02-10	608	0.0771	0.00077	0.0002	0.106	< 0.020	< 0.000050	0.027	0.0000401	139	0.00015	0.00017	< 0.00050	0.044	0.000075
EV_GC2	EV_GC2_WS_2022-02-10_N_1722	2022-02-10	596	0.384	0.00068	0.00034	0.126	0.000024	< 0.000050	0.028	0.0000854	127	0.00053	0.00038	0.00091	0.237	0.000292
EV GC2 EV GC2	EV GC2 WS 2022-02-10 N 0925 EV GC2 WS 2022-02-10 N 1005	2022-02-10 2022-02-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-02-11 N	2022-02-11	607	0.27	0.00068	0.0003	0.119	0.00002	< 0.000050	0.029	0.0000737	128	0.00039	0.00038	0.00077	0.194	0.000273
EV_GC2	EV_GC2_WS_2022-02-13_N	2022-02-13	542	0.086	0.00066	0.00023	0.105	< 0.020	< 0.000050	0.029	0.000071	116	0.00017	0.00033	0.0006	0.072	0.000146
EV_GC2	EV_GC2_WS_2022-02-14_N_1522	2022-02-14	545	0.047	0.00056	0.00025	0.107	< 0.020	< 0.000050	0.028	0.0000702	115	0.00024	0.00021	< 0.00050	0.028	0.000059
EV_GC2 EV GC2	EV_GC2_WS_2022-02-14_N_1210 EV_GC2_WS_2022-02-15_N_1403	2022-02-14 2022-02-15	547	0.0705	0.00056	0.00026	0.11	< 0.020	< 0.000050	0.028	0.0000758	115	0.00019	0.0002	< 0.00050	0.045	0.000077
EV_GC2	EV_GC2_WS_2022-02-15_N_1403 EV_GC2_WS_2022-02-15_N_0759	2022-02-15	-		-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-16_N_1330	2022-02-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-16_N_0750	2022-02-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-17_N_0820	2022-02-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-17_N_1222 EV_GC2_WS_2022-02-18_N_1354	2022-02-17 2022-02-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-02-18 N 0745	2022-02-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-19_N	2022-02-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-20_N_1509	2022-02-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-20_N_0900 EV_GC2_WS_2022-02-22_N_1338	2022-02-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV GC2 WS 2022-02-22 N 1338 EV GC2 WS 2022-02-22 N 0738	2022-02-22 2022-02-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-23_N_0734	2022-02-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-23_N_1207	2022-02-23	-	=	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-24_N_1325	2022-02-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-24_N_0726 EV_GC2_WS_2022-02-25_N_1435	2022-02-24 2022-02-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-02-25 N 0740	2022-02-25	-	<u> </u>	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-26_N_1457	2022-02-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-26_N_0803	2022-02-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-27_N_1421	2022-02-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-27_N_0932 EV_GC2_WS_2022-02-28_N_1412	2022-02-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-28_N_1412	2022-02-28	ı - l	-	-	-	-	-	-	-	-	-	-	-	-	-	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals						
										Total Metals						
Sample Location	Sample ID	Sample Date (mm/dd/yyyy)	T/Budness	mg/L	Magnesium	Manganese T/L	*lə YO V V Mg/L	Jb Potassium	hg/r	Sodium Boolum mg/L	Strontium	E Halling Hall	E mg/L	Titaniu Titaniu	mg/L	o iz mg/L
						e nic	nic		nic	nic nic					nic	e nic
						Acute	Chro		Chro	Acute					Chronic	Acute
BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation					1								1	1	ı	T
EV_GC2	EV_GC2_WS_2022-02-02_N_1135	2022-02-02	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-02_N_1250 EV_GC2_WS_2022-02-03_N_1334	2022-02-02 2022-02-03	-	-	-	-	-	-	-		-	<u>-</u>	-	-	-	-
EV GC2	EV GC2 WS 2022-02-03 N 1434	2022-02-03	-	_	<u> </u>	-		-	_		-	<u> </u>	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-03_N_1557	2022-02-03	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-02-03 N 0725	2022-02-03	-	-	-	-		-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-03_N_0840	2022-02-03	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-03_N_1000	2022-02-03	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-03_N_1101	2022-02-03	-	-	<u> </u>	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-04_N_1336	2022-02-04	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-04_N_1421 EV_GC2_WS_2022-02-04_N_0757	2022-02-04 2022-02-04	-	-	-	-	<u> </u>	-	-		-	<u>-</u>	-	-	-	-
EV_GC2	EV GC2 WS 2022-02-04 N 1054	2022-02-04	-	-	-	-	<u> </u>		-		_		-	-	-	-
EV GC2	EV GC2 WS 2022-02-04 N 1236	2022-02-04	-	_	-	-	-	-	-		-	-	_	_	_	_
EV GC2	EV GC2 WS 2022-02-05 N	2022-02-05	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02_MON_N	2022-02-07	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-08_N	2022-02-08	606	0.031	69.6	0.0116	0.00144	2.02			0.47		< 0.00010	0.00059	0.0038	< 0.0030
EV_GC2	EV_GC2_WS_2022-02-09_N	2022-02-09	620	0.033	71.2	0.0157	0.00144	1.89	74.5	< 0.000010 9.11		0.000012	< 0.00010	0.00536	0.00369	< 0.0030
EV_GC2	EV_GC2_WS_2022-02-10_N_1330	2022-02-10	608	0.031	71.9	0.0139	0.00127	1.89	83.2		0.47		< 0.00010	< 0.00120	0.00347	< 0.0030
EV_GC2 EV GC2	EV_GC2_WS_2022-02-10_N_1722 EV_GC2_WS_2022-02-10_N_0925	2022-02-10 2022-02-10	596	0.031	68.9	0.0154 -	0.00198	2.1	75.1	< 0.000010 9.74	0.46	0.000016	< 0.00010	< 0.00900	0.00346	0.0045
EV_GC2	EV GC2 WS 2022-02-10 N 10925 EV GC2 WS 2022-02-10 N 1005	2022-02-10	-	-	-	-		-	-		-	<u> </u>	-	-	-	-
EV GC2	EV GC2 WS 2022-02-11 N	2022-02-10		0.034	69	0.0156	0.00196	2.1	74		0.45		< 0.00010	< 0.00570	0.00356	0.0048
EV GC2	EV GC2 WS 2022-02-13 N	2022-02-13	542	0.03	59.8	0.0143	0.00175	2.02	63.9	+	0.46		< 0.00010	< 0.00150	0.00306	< 0.0030
EV_GC2	EV_GC2_WS_2022-02-14_N_1522	2022-02-14	545	0.028	59.5	0.0111	0.00153	1.91	65.5	< 0.000010 10.2	0.46	< 0.000010	< 0.00010	0.00064	0.00301	< 0.0030
EV_GC2	EV_GC2_WS_2022-02-14_N_1210	2022-02-14	547	0.027	60.6	0.0114	0.00158	1.9	62.8	< 0.000010 9.97	0.45	< 0.000010	< 0.00010	< 0.00120	0.00299	< 0.0030
EV_GC2	EV_GC2_WS_2022-02-15_N_1403	2022-02-15	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-15_N_0759	2022-02-15	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-16_N_1330	2022-02-16	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-16_N_0750 EV_GC2_WS_2022-02-17_N_0820	2022-02-16 2022-02-17	-	-	-	-		-	-		-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-02-17 N 1222	2022-02-17	-	_	<u> </u>	-		-	-		_		-	-	-	-
EV GC2	EV GC2 WS 2022-02-17 N 1354	2022-02-17	-	-	-	-	_	-	-		-	_	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-18_N_0745	2022-02-18		-	-	=	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-19_N	2022-02-19	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-20_N_1509	2022-02-20	-	-	-	-	-	-	-		1	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-20_N_0900	2022-02-20	-	-	<u> </u>	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-22_N_1338	2022-02-22	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-22_N_0738 EV_GC2_WS_2022-02-23_N_0724	2022-02-22 2022-02-23	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-02-23 N 0724 EV GC2 WS 2022-02-23 N 1207	2022-02-23	+-	-	+-	-	<u> </u>	-	-		-	<u> </u>	-	-	-	-
EV GC2	EV GC2 WS 2022-02-24 N 1325	2022-02-23	-	-	-	=		-	-		-		-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-24_N_0726	2022-02-24	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-25_N_1435	2022-02-25		-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-25_N_0740	2022-02-25	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-26_N_1457	2022-02-26	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-26_N_0803	2022-02-26	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-27_N_1421	2022-02-27	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-02-27_N_0932	2022-02-27 2022-02-28	-	-	-	-	-		-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-02-28_N_1412	2022-02-28		-	-	-	-	-	-		-	-	-	-	-	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

Elevine (President)				ſ								Total Metals						
BOWGE PAIN PAIN		·		a √ Hardness		Antimo	mg/L		mg/L		mg/L	Cadmium	Sa		ကg/L	ŭ		
BOWD CHAIL							Acute	Chron			Chron				Acute		Acute	Acute
Comparation BC WQG FWAL			n/a	n/a	n/a	0.005	1		n/a	1	n/a	n/a	n/a		n/a	1	0.003-5.5 ^a 3.3-3.5 ^a	
EY GC2										1					1 2111 21221	1	1	1 21222 212 212 212
FY GC2 FY GC2 WS 2020-04 N 7700 2022-05 1	·	EV_GC2_WS_2022-02-28_N_0740	2022-02-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GCQ	EV_GC2	EV_GC2_WS_2022-03-01_N_1413	2022-03-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	=
EY GC2				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EY GC2	_			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2 EV GC2 WS 2022-0-0-0-N 0705 2022-0-0-1				-						.	!	-						
EV GC2	_			-							ł	1			1			
EV GC2				-								1			1			
EV GCZ				-						.		1			1			
FV GC2				-									-	_	-	_		-
EV GCZ EV GCZ WS 2022-03-06 N 1/37 2022-03-06				-	-	-	-	-	-	-	-	-	-	-	-	-	_	-
EV GC2	EV_GC2	EV_GC2_WS_2022-03-05_N_0755	2022-03-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV_GC2			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2				-		-	-	-	-	-		-	-	-		-		-
EV GC2										-		-			-			-
EV. GC2												- 0.000705			- 0.0001E			0.000051
EV. GC2															1			
EV. GC2						0.00034	0.00020			- 0.000030		0.000004				0.00002	0.133	
EV 6C2	_					0.00046	0.0002			< 0.000050		0.0000754				< 0.00050	0.038	0.000078
EV GC2 EV GC2 WS 2022-03-24 N 1054 2022-03-24															1			
EV GC2	EV_GC2	EV_GC2_WS_2022-03_WEK13_N	2022-03-21	< 0.50	< 0.0030	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV GC2 EV GC2 WS 2022-03-25 N 6945 2022-03-25				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2 EV GC2 WS 2022-03-26 N 1401 2022-03-26				-	-	-	-	-	-	-	-	-	-	-		-	-	-
EV GC2	_			-						1		+		1		+		
EV GC2	_			-		.	1			1		+						
EV GC2				-			1					_				+		
EV GC2																		
EV GC2				_							1	1						
EV GC2				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	_				-	-				-						-		-
EV GC2				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2				-]	-	-	-	-	-	-	-		-	-	-	-	-	-
EV GC2				-	-	-	-			-	-	-	-	-	-	-	-	-
EV GC2							1					1						
EV GC2																		
EV_GC2 EV_GC2_WS_2022-04-01_N_1457 2022-04-01 -											ł							
EV_GC2 EV_GC2_WS_2022-04-01_N_1556 2022-04-01 -							1			1		1		1				
EV_GC2 EV_GC2_WS_2022-04-01_N_0743 2022-04-01 -					-	-				-	-	-	-	-	-	-		-
EV GC2 EV GC2 WS_2022-04-02 N_0807 2022-04-02	EV_GC2	EV_GC2_WS_2022-04-01_N_0743		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2 EV GC2 WS 2022-04 WEK15 N 2022-04-04 - <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>1</td> <td>-</td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td>						-	1	-	-	-		-	-	-		-		-
EV_GC2 EV_GC2_WS_2022-Q2_N 2022-04-12 -	_					.	1			1		+		1	+	+		
EV GC2 EV GC2 WS_2022-04_WEK17_N 2022-04-18_461 461_0.0628 0.00039_0.00026 0.146_ < 0.020_ < 0.00050_0.029_0.0000875 115_0.00015 0.00015_0.00078_0.077_0.000132 EV_GC2 EV_GC2_WS_2022-04_WEK18_N 2022-04-25						-				1		-		1	+	+		-
EV_GC2 EV_GC2_WS_2022-04_WEK18_N 2022-04-25_ID-757 -<	_					- 0.00000						- 0.0000075						0.000433
EV_GC2				401			0.00026					0.0000875			†			+
	_						-					+ -						
EV GC2				-								_				†		

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals						
										Total Metals						
Sample Location	Sample ID	Sample Date	T/Ardness	mg/L	Magnesium	Manganese T/D	*ie Vicke Nicke Mg/L	Jb Potassium	Selenium mg/L	Signature of the control of the cont	/L mg/l	Thallium mg/L	E mg/L	Titanium mg/L	mg/L	ou iZ mg/L
						nic) jic		nic	i je		_			je	nic e
						Acute	Chror		Chror	Acute					Chronic	Acute
BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a n/a	a n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation	,		,			,				,						T
EV_GC2	EV_GC2_WS_2022-02-28_N_0740	2022-02-28	-	-	-	-	-	-	-		_	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-01_N_1413	2022-03-01	-	-	-	-	-	-	-			-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-03-01_N_1750 EV_GC2_WS_2022-03-01_N_0723	2022-03-01 2022-03-01	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-03-01 N 0723 EV GC2 WS 2022-03-02 N 1310	2022-03-01	<u> </u>	-	-	<u>-</u>	-	-	-		+	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-03-02 N 0830	2022-03-02	 -	-	 -	-	<u>-</u>	-	-			-	-	-	-	-
EV GC2	EV GC2 WS 2022-03-03 N 1310	2022-03-02	-	-	-	-	-	-	-			-	-	-	-	-
EV GC2	EV GC2 WS 2022-03-03 N 0735	2022-03-03	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-04_N_1316	2022-03-04	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-04_N_0751	2022-03-04	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-05_N_1357	2022-03-05	-	-	-	-	-	-	-			-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-05_N_0755	2022-03-05	-	-	-	-	-	-	-			-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-06_N_1437	2022-03-06	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-03-06_N_0725 EV_GC2_WS_2022-03-07_N_0735	2022-03-06 2022-03-07	-	-	-	-	-	-	-	-	+ -	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-03-07 N 0735	2022-03-07	+ -	-	+-		-	+-	-			-	-	-		-
EV GC2	EV GC2 WS 2022-03-11 N	2022-03-11	586	0.032	66.4	0.0111	0.00141	1.98	64.6		2 0.53	< 0.000010	< 0.00010	0.00044	0.00313	< 0.0030
EV GC2	EV GC2 WS 2022-03-16 N 0005	2022-03-16	493	0.029	52	0.0166	0.00174	2.23	48.8		2 0.48		< 0.00010	< 0.00360	0.00251	< 0.0030
EV GC2	EV GC2 WS 2022-03 MON N	2022-03-17	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_MC6_WS_2022-03_MON_N	2022-03-17	483	0.031	58.8	0.0144	0.00146	2.02	51.2	< 0.000010 12	0.51	< 0.000010	< 0.00010	< 0.00060	0.00258	< 0.0030
EV_GC2	EV_MC8_WS_2022-03_MON_N	2022-03-17	497	0.03	56.3	0.0143	0.00144	1.98	52.3		8 0.51	< 0.000010	< 0.00010	< 0.00060	0.00279	< 0.0030
EV_GC2	EV_GC2_WS_2022-03_WEK13_N	2022-03-21	< 0.50	< 0.001	0.007	< 0.00010	< 0.00050	< 0.050	< 0.050	< 0.000010 0.0	050.000	0.000010	< 0.00010	< 0.00030	< 0.000010	< 0.0030
EV_GC2	EV_GC2_WS_2022-03-24_N_0634	2022-03-24	-	-	-	-	-	-	-		_	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-24_N_1115	2022-03-24	-	-	-	-	-	-	-		_	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-24_N_1251	2022-03-24	-	-	-	-	-	-	-		_	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-03-25_N_0645 EV_GC2_WS_2022-03-26_N_1401	2022-03-25 2022-03-26	-	-	-	-	-	-	-	<u> </u>	_	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-03-26 N 1557	2022-03-26	 -	-	 -	_	-	+ -	-			-	-	-	-	-
EV GC2	EV GC2 WS 2022-03-26 N 0752	2022-03-26	_	_	<u> </u>	_	_	-	_			_	_	_	_	-
EV GC2	EV GC2 WS 2022-03-27 N	2022-03-27	-	-	-	-	_	-	-		-	-	_	_	_	-
EV_GC2	EV_GC2_WS_2022-03_WEK14_N	2022-03-28	-	-	-	-	-	-	-		1 -	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-28_N_0707	2022-03-28	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-29_N_1543	2022-03-29	<u> </u>	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-29_N_0750	2022-03-29	-	-	-	-	-	-	-		_	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-30_N_1602	2022-03-30	-	-	-	-	-	-	-		_	1	-	-	-	-
EV_GC2	EV_GC2_WS_2022-03-30_N_0728 EV_GC2_WS_2022-03-31_N_1357	2022-03-30 2022-03-31	-	-	-	-	-	 -	-		-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-03-31_N_1357 EV_GC2_WS_2022-03-31_N_0754	2022-03-31	<u> </u>	-	+ -	-	-	-	-		_	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-03-31 N 1210	2022-03-31	+-	-	 -	<u>-</u>	-	-	-		+-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-04-01 N 1457	2022-04-01	-	-		-	-	-			_	1	-	_	-	-
EV_GC2	EV_GC2_WS_2022-04-01_N_1556	2022-04-01	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04-01_N_0743	2022-04-01		-	-	-	-	-	-		-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04-02_N_1554	2022-04-02	-	-	-	-	-	-	-			-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04-02_N_0807	2022-04-02	-	-	-	-	-	-	-			-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-04_WEK15_N	2022-04-04	-	-	-	-	-	-	-		_	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-Q2_N	2022-04-12	-	- 0.005	- 54.0	- 0.0400	- 0.00440	-	-			- 0.000040		- 0.00054	- 0.00045	- 0.0020
EV_GC2	EV_GC2_WS_2022-04_WEK17_N	2022-04-18	461	0.025	_	0.0106	0.00146	2	51.1		3 0.5		< 0.00010	0.00054	0.00245	< 0.0030
EV_GC2 EV GC2	EV_GC2_WS_2022-04_WEK18_N EV_GC2_WS_2022-04-25_N_0757	2022-04-25 2022-04-25	-	-	-	-	-	-	-			-	-	-	-	-
EV_GC2	EV GC2 WS 2022-04-25 N 0/5/ EV GC2 WS 2022-05 MON N	2022-04-25	+ -	-	-	-	-	-	-				-	-	-	-
L V_GC2	LV_GGZ_VVG_ZUZZ-UG_IVIOIN_IV	2022-00-00	L -				-					<u> </u>				

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						
				_									_				
			SS	Ē	Žų.		*_	Ę	.		Ę	E	<u>i</u>		_		
			gue	듩	<u>ق</u>	je Š	Ξ	rylliu	Ĕ	6	dmiu	Ä	E	balt	<u>p</u>		7
Sample	Sample	Sample Date	ar.	Ā	Ē	\rs(Sari	Ser,	Bisr	3or	ad	Salc	Ę	Cok	ddog	<u>ro</u>	-69
Location	ID	(mm/dd/yyyy)	ma/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/		mg/L
		1 ()			<u> </u>		<u>.5</u>	<u>.5</u>		. <u>0</u>	İ						
						cute	<u> </u>	E		Chron				Acute Chronic		Acute	Acute
						Acı	ริ	ริ		- S				Acı Chi		Acı	Ch
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation																	
EV_GC2	EV_MC6_WS_2022-05_MON_N	2022-05-05	435	0.0994	0.00039	0.00025	0.14	< 0.020	< 0.000050	0.024	0.0000488	107	0.00016	0.00011	0.00071	0.08	0.000109
EV_GC2	EV_MC8_WS_2022-05_MON_N	2022-05-05	432	0.108	0.00039	0.00031	0.144	< 0.020	< 0.000050	0.025	0.0000551	108	0.00016	0.00013	0.00084	0.081	0.000107
EV_GC2	EV_GC2_WS_2022-05-07_N_1832	2022-05-07	< 0.50	< 0.0030	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_GC2 EV GC2	EV_GC2_WS_2022-05-07_N_0655 EV_GC2_WS_2022-05-08_N_1837	2022-05-07 2022-05-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-05-08 N 0700	2022-05-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-05-09 N 0655	2022-05-09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05_WEK20_N	2022-05-10		-						_				-	-		-
EV_GC2	EV_GC2_WS_2022-05-10_N_1846	2022-05-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05-10_N_0650	2022-05-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05-11_N_0800	2022-05-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-05_WEK21_N EV_GC2_WS_2022-05_WEK22_N	2022-05-16 2022-05-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV GC2 WS 2022-05 WEK22 N EV GC2 WS 2022-05 WEK23 N	2022-05-30	-		-	-	-	-	-	-	-	-	-	-		<u> </u>	
EV GC2	EV GC2 WS 2022-06 MON N	2022-06-08	_		-	_	_	_	-	-	-	_	-	-	<u> </u>	-	-
EV GC2	EV GC2 WS 2022-06-13 N 1742	2022-06-13	561	0.0508	0.00039	0.00027	0.117	< 0.020	< 0.000050	0.024	0.0000231	112	< 0.00010	0.00011	< 0.00050	0.028	< 0.000050
EV_GC2	EV_GC2_WS_2022-06_WEK25_N	2022-06-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-14_N_0740	2022-06-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-14_N_2106	2022-06-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-15_N_1553	2022-06-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2 EV_GC2	EV GC2 WS 2022-06-15 N 0840	2022-06-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-16_N_0800 EV_GC2_WS_2022-06-18_N_0810	2022-06-16 2022-06-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV GC2	EV GC2 WS 2022-06-19 N 1825	2022-06-19	_	-	-	_	-	_	-	-	-	-	-	-		-	-
EV GC2	EV GC2 WS 2022-06-19 N 0735	2022-06-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-20_N_1550	2022-06-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-20_N_0730	2022-06-20	464	0.18	0.00041	0.00039	0.162	< 0.020	< 0.000050	0.029	0.0000584	104	0.00041	0.00023	0.00099	0.164	0.000166
EV_GC2	EV_GC2_WS_2022-06-21_N	2022-06-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06_NP	2022-06-22	487	0.114	0.00045	0.00038	0.166	< 0.020	< 0.000050	0.025	0.0000457	111	0.00031	0.00019	0.00092	0.076	0.000107
EV_GC2 EV GC2	EV_GC2_WS_2022-06_WEK27_N	2022-06-27 2022-07-05	-	0.0547	0.00037	0.00034	0.144	< 0.000020	< 0.000050	0.025	0.0000415	109	< 0.00050	0.00016	0.00067	0.042	0.000075
EV_GC2	EV_GC2_WS_2022-07-05_N EV_GC2_WS_2022-Q3_N	2022-07-06	497	0.179	0.00045	0.0004	0.163	< 0.020	< 0.000050	0.027	0.0000759	104	0.00026	0.00031	0.00088	0.203	0.000259
EV GC2	EV GC2 WS 2022-Q3 N	2022-07-00	548	0.0529	0.00043	0.00035	0.103	< 0.020	< 0.000050	0.024	0.0000739	116	< 0.00020	0.00016	< 0.00050	0.026	0.000265
EV_GC2	EV_GC2_WS_2022-08_MON_N	2022-08-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-09_MON_N	2022-09-07			0.00039	0.00024	0.0933	< 0.020	< 0.000050	0.023	0.0000137	122	0.0001	0.00012	< 0.00050	0.018	< 0.000050
EV_GC2	EV_GC2_WS_2022-Q4_N	2022-10-05	625	0.0342	0.00034	0.00024	0.112	< 0.020	< 0.000050	0.022	0.000006	120	0.0001	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_GC2	EV_GC2_WS_2022-11_MON_N	2022-11-09	653	0.0254	0.00037	0.00018	0.096	< 0.020	< 0.000050	0.028	0.0000077	139	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_GC2	EV_GC2_WS_2022-11-15_N	2022-11-15	629	0.0401	0.00027	0.00021	0.0895	< 0.020	< 0.000050	0.027	0.0000371	134	0.00011	0.00014	< 0.00050	0.049	0.000064 0.000059
EV_GC2 EV GC2	EV_GC2_WS_2022-11-17_N EV_GC2_WS_2022-11-19_N	2022-11-17 2022-11-19	647 662	0.0352 0.0378	0.00031 0.00024	0.00019 0.00015	0.0827 0.0778	< 0.020 < 0.020	< 0.000050 < 0.000050	0.028 0.024	0.0000418 0.0000391	145 130	0.00012 0.00011	0.00012 0.00011	< 0.00050 0.00059	0.035 0.042	0.000059
EV LC1	EV LC1 WS 2022-Q1 N	2022-11-19	649	0.0376	0.00024	0.00013	0.0778	< 0.020	< 0.000050	0.024	0.0000391	136	< 0.00011	0.00011	< 0.00050	0.042	< 0.000050
EV_LC1	EV_LC1_WS_2022-02_MON_N	2022-02-07	449	0.387	0.00024	0.00024	0.162	0.00002	< 0.000050	0.04	0.000181	82.3	0.00052	0.00057	0.00108	0.172	0.000268
EV_LC1	EV_LC1_WS_2022-03_MON_N	2022-03-16	486	0.115	0.00023	0.00021	0.164	< 0.020	< 0.000050	0.041	0.0000749	89.3	0.00018	0.00027	0.00084	0.215	0.000218
EV_LC1	EV_LC1_WS_2022-Q2_N	2022-04-11	490	0.227	0.00028	0.00031	0.182	0.000023		0.037	0.000132	94.9	0.0003	0.00038	0.00129	0.227	0.000316
EV_LC1	EV_LC1_WS_2022-04-15_N	2022-04-15	546	0.0171	0.00024	0.00023	0.163	< 0.020	< 0.000050	0.043	0.0000207	96.1	< 0.00010	< 0.10	0.00054	0.181	0.000054
EV_LC1	EV LC1 WS 2022-05 MON N	2022-05-05	548	0.0137	0.00022	0.00024	0.161	< 0.020	< 0.000050	0.042	0.000017	97.1	< 0.00010	< 0.10	< 0.00050	0.127	< 0.000050
EV_LC1 EV LC1	EV_LC1_WS_2022-06_MON_N EV_LC1_WS_2022-Q3_N	2022-06-08 2022-07-06	521 624	0.015	0.00024 0.0002	0.00022 0.00022	0.175 0.173	< 0.020 < 0.020	< 0.000050 < 0.000050	0.049 0.045	0.0000296 0.0000122	104 106	< 0.00010 < 0.00010	< 0.10 < 0.10	0.00058 < 0.00050	0.15 0.094	< 0.000050 < 0.000050
EV_LC1	EV_LC1_WS_2022-Q3_N EV_LC1_WS_2022-08_MON_N	2022-07-06	648	0.006	0.0002	0.00022	0.173	< 0.020	< 0.000050	0.045	0.0000122	117	< 0.00010	0.00011	0.00051	0.094	< 0.000050
EV_LC1	EV LC1 WS SESMP 2022 08 N	2022-08-12	636	0.0064	0.00022	0.00022	0.182	< 0.020	< 0.000050	0.044	0.0000303	115	< 0.00010	< 0.10	< 0.00050	0.048	< 0.000050
		, ==== 00 .2							1.100000				2.300.0		2.20000		

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals						
										Total Wetais						
Sample Location	Sample ID	Sample Date (mm/dd/yyyy)	Hardness	ma/L	Magnesium	Manganese T/Dm	*leyoiN mg/L	Mg Potassium	Relenium Mg/L		Sodium Strontium	Thallium md/r	E E mg/L	Titanium mg/L	Mg/L	SE IZI mg/L
	· -	(3	ij	i i	y	nic	The state of the s	3 - 3	y -=				Ξ
						Acute	Chror		Chror	Acute					Chronic	Acute
BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a r	n/a n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation		•			1	1	Ī	1	1			1			•	1
EV_GC2	EV_MC6_WS_2022-05_MON_N	2022-05-05		0.021		0.00857	0.00126	1.77			.55 0.41		< 0.00010	0.00148	0.00233	< 0.0030
EV_GC2 EV GC2	EV_MC8_WS_2022-05_MON_N EV_GC2_WS_2022-05-07_N_1832	2022-05-05 2022-05-07		0.022		0.0089 < 0.00010	0.00124 < 0.00050	1.8 < 0.050	49.2 < 0.050		.63 0.41		< 0.00010 < 0.00010	0.00154 < 0.00030	0.00233	< 0.0030 < 0.0030
EV_GC2	EV GC2 WS 2022-05-07 N 0655	2022-05-07	< 0.50	- 0.00	-	- 0.00010	< 0.00030	< 0.030	- 0.030		7.030.000	- 0.000010	- 0.00010	- 0.00030	- 0.000010	- 0.0030
EV GC2	EV GC2 WS 2022-05-07 N 0033	2022-05-07	+-	-	-	-	-	-	-	+		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05-08_N_0700	2022-05-08	† -	-	-	-	-	-	-	-	- -	-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05-09_N_0655	2022-05-09	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05_WEK20_N	2022-05-10	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05-10_N_1846	2022-05-10	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05-10_N_0650	2022-05-10	-	-	-	-	-	-	-			-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-05-11_N_0800	2022-05-11	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-05_WEK21_N EV_GC2_WS_2022-05_WEK22_N	2022-05-16 2022-05-24	+-	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV GC2 WS 2022-05 WEK22 N	2022-05-24	 -	-	+		-	-	-	-	- + -		-		-	-
EV_GC2	EV GC2 WS 2022-05 WER25 N	2022-06-08	+ -		+ -	_	-	-	-	-				-	-	-
EV GC2	EV GC2 WS 2022-06-13 N 1742	2022-06-13	561	0.025	61.1	0.00892	0.00113	1.9	67.4	< 0.000010 7	.17 0.39	< 0.000010	< 0.00010	< 0.00030	0.00298	< 0.0030
EV GC2	EV GC2 WS 2022-06 WEK25 N	2022-06-14	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-14_N_0740	2022-06-14	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-14_N_2106	2022-06-14	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-15_N_1553	2022-06-15	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-15_N_0840	2022-06-15	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-16_N_0800	2022-06-16	-	-	-	-	-	-	-			-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-06-18_N_0810	2022-06-18	-	-	-	-	-	-	-	+		-	-	-	-	-
EV_GC2 EV GC2	EV_GC2_WS_2022-06-19_N_1825 EV_GC2_WS_2022-06-19_N_0735	2022-06-19 2022-06-19	+-	-	-	-	-	-	-			-	-	-	-	-
EV_GC2	EV GC2 WS 2022-06-19 N 0733 EV GC2 WS 2022-06-20 N 1550	2022-06-19	+	-	+		-	-	-	-	: :				-	-
EV_GC2	EV GC2 WS 2022-06-20 N 0730	2022-06-20	464			0.0148	0.00169	2.22	48.5		.86 0.39	0.000014	< 0.00010	< 0.00450	0.00258	< 0.0030
EV GC2	EV GC2 WS 2022-06-21 N	2022-06-21	-	-	-	-	-	-	-			-	-	-	-	-
EV GC2	EV GC2 WS 2022-06 NP	2022-06-22	487	0.023	52.1	0.0134	0.00157	1.99	48.6	< 0.000010 7	.34 0.43	0.000011	< 0.00010	0.00375	0.00261	< 0.0030
EV_GC2	EV_GC2_WS_2022-06_WEK27_N	2022-06-27	-	0.023	54.2	0.0131	0.00124	1.95	53.5	< 0.000010 7	.56 0.4	< 0.000010	< 0.00010	0.0006	0.00258	< 0.0030
EV_GC2	EV_GC2_WS_2022-07-05_N	2022-07-05	-	-	-	-	-	-	-	-		-	-	-	-	-
EV_GC2	EV_GC2_WS_2022-Q3_N	2022-07-06	_	0.026	_	0.0169	0.00173	2.32	66.3		.31 0.39		< 0.00010	< 0.00210	0.00313	< 0.0030
EV_GC2	EV_GC2_WS_2022-07_WEK29_N	2022-07-11	548	0.025		0.0107	0.0012	2.04	73.6		6.9 0.4	< 0.000010	< 0.00010	< 0.00060	0.00329	< 0.0030
EV_GC2	EV_GC2_WS_2022-08_MON_N	2022-08-10	- 600	- 0.000	-	- 0.00440	- 0.0040	- 2.1	- 07.6			- 0.000042	- 0.00010	0.00046	- 0.00400	- 0.0030
EV_GC2 EV GC2	EV_GC2_WS_2022-09_MON_N EV_GC2_WS_2022-Q4_N	2022-09-07 2022-10-05				0.00449 0.00386	0.0013 0.00134	1.97	97.6 90.4			0.000013	< 0.00010 < 0.00010	0.00046 < 0.00030	0.00439 0.00358	< 0.0030 < 0.0030
EV_GC2	EV_GC2_WS_2022-Q4_N EV_GC2_WS_2022-11_MON_N	2022-10-05		0.020		0.00735	0.00134	2.06	84			< 0.000011	< 0.00010	0.00030	0.00356	< 0.0030
EV_GC2	EV_GC2_WS_2022-11-MGN_N	2022-11-05	_	0.028	_		0.00145	2.07				< 0.000010	< 0.00010	0.00057	0.00309	0.0034
EV GC2	EV_GC2_WS_2022-11-17_N	2022-11-17	-	0.033	_	0.00977	0.00145	2.09			.07 0.49		< 0.00010	0.00054	0.00372	< 0.0030
EV_GC2	EV_GC2_WS_2022-11-19_N	2022-11-19	662	0.028	69.4	0.00945	0.00147	2.02	73.7	< 0.000010 8		< 0.000010	< 0.00010	0.00047	0.00316	< 0.0030
EV_LC1	EV_LC1_WS_2022-Q1_N	2022-01-14		0.029		0.00881	0.00131	1.97	74.2			< 0.000010	< 0.00010	0.00082	0.00344	< 0.0030
EV_LC1	EV_LC1_WS_2022-02_MON_N	2022-02-07		0.053		0.0269	0.00271	3.93			.07 0.41		< 0.00010	0.0108	0.00273	0.0081
EV_LC1	EV_LC1_WS_2022-03_MON_N	2022-03-16		0.062		0.0272	0.00199	4.55	3.33		.81 0.45		< 0.00010	< 0.00150	0.00298	0.0035
EV_LC1	EV_LC1_WS_2022-Q2_N	2022-04-11		0.052		0.0207	0.0021	3.78			.32 0.45		< 0.00010	0.00337	0.00296	0.0061
EV_LC1 EV LC1	EV_LC1_WS_2022-04-15_N EV_LC1_WS_2022-05_MON_N	2022-04-15 2022-05-05	546			0.012 0.0123	0.00148 0.00168	4.6 4.22	5.48 5.31			< 0.000010 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.0035 0.00361	< 0.0030 < 0.0030
EV_LC1	EV LC1 WS 2022-05 MON N EV LC1 WS 2022-06 MON N	2022-05-05				0.0123	0.00188	4.22	4.87		.04 0.55		< 0.00010	< 0.00030	0.00354	< 0.0030
EV_LC1	EV LC1 WS 2022-06 MON N EV LC1 WS 2022-Q3 N		624			0.00719	0.00162	4.5		< 0.000010 8	39 0.53	< 0.000010	< 0.00010	< 0.00030	0.00334	< 0.0030
EV_LC1	EV LC1 WS 2022-Q3_N	2022-08-08	_	0.061	_	0.00919	0.00196	4.33			.33 0.53		< 0.00010	0.00081	0.00313	< 0.0030
EV LC1	EV_LC1_WS_SESMP_2022_08_N	2022-08-12					0.00181		1.51			< 0.00001		< 0.00030		< 0.0030
	_ : _::=_==:::: _====	, ,			,						, 5.0 .		, ,,,,,,,,,	, ,,,,,,,,,,		

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

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			arg	들	Ē	ŝ	Ē	<u> </u>	S) ic) <u>2</u>	ויינ		do	ron	ag g
Sample	Sample	Sample Date	Ï	₹	A	₹	ĕ	Be	Θ	Ď	ర్త	ပိ	ਹ	ŭ	ŭ	르	
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg.	<u>/L</u>	mg/L
							je je	nic .		l ie				_ ii			ute
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						Ac	l පි	5		Chronic				Acute Chronic		Ac	წ ნ
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation							·							1		·	1
EV LC1	EV LC1 WS 2022-09 MON N	2022-09-07	634	0.0055	0.00016	0.00014	0.173	< 0.020	< 0.000050	0.038	0.0000277	121	< 0.00010	< 0.10	< 0.00050	0.076	< 0.000050
EV LC1	EV LC1 WS 2022-Q4 N	2022-10-03	627	0.0052	0.00012	0.00019	0.209	< 0.020	< 0.000050	0.044	0.000027	141	< 0.00010	< 0.10	< 0.00050	0.048	< 0.000050
EV LC1	EV_ER5_WS_2022-Q4_N	2022-10-03	636	0.005	0.00012	0.00015	0.195	< 0.020	< 0.000050	0.043	0.0000232	136	< 0.00010	< 0.10	< 0.00050	0.059	< 0.000050
EV LC1	EV ER7 WS 2022-Q4 N	2022-10-03	636	0.0055	0.00013	0.00014	0.187	< 0.020	< 0.000050	0.042	0.0000319	140	< 0.00010	< 0.10	< 0.00050	0.06	< 0.000050
EV LC1	EV LC1 WS 2022-11 MON N	2022-11-09	< 0.50	< 0.0030	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV MC2	EV MC2 WS 2022-01-06 N-SRF	2022-01-06	540	0.0115	0.00016	0.00013	0.163	< 0.020	< 0.000050	0.041	0.00002	108	0.0003	< 0.10	< 0.00050	0.081	< 0.000050
EV MC2	EV MC2 WS 2022-01-17 N-SRF	2022-01-17	296	0.0125	0.0001	0.00016	0.104	< 0.020	< 0.000050	0.013	0.0000278	75.7	0.00025	0.00014	< 0.00050	0.018	< 0.000050
EV_MC2	EV_MC2_WS_2022_Q1_N	2022-01-18	273	0.0248	< 0.00010	0.00021	0.0958	< 0.020	< 0.000050	0.012	0.0000366	66.9	0.00016	0.00017	< 0.00050	0.046	0.000064
EV_MC2	EV_MC2_WS_2022-01-31_N-SRF	2022-01-31	292	0.0211	< 0.00010	0.0002	0.107	< 0.020	< 0.000050	0.013	0.0000333	76.2	0.00016	0.00016	< 0.00050	0.027	< 0.000050
EV MC2	EV MC2 WS 2022 Q1 WK0 N	2022-02-01	278	0.0262	< 0.00010	0.00017	0.099	< 0.020	< 0.000050	0.012	0.0000358	74	0.00018	0.00016	< 0.00050	0.037	< 0.000050
EV_MC2	EV_MC2_WS_2022-02_MON_N	2022-02-08	325	0.01	0.0001	0.00015	0.103	< 0.020	< 0.000050	0.014	0.0000304	80.2	0.0002	0.00016	< 0.00050	0.016	< 0.000050
EV_MC2	EV_MC2_WS_2022-02-14_N-SRF	2022-02-14	326	0.0157	0.00011	0.0002	0.112	< 0.020	< 0.000050	0.012	0.0000278	72.3	0.00021	0.00014	< 0.00050	0.025	< 0.000050
EV_MC2	EV_MC2_WS_2022_Q1_WK1_N	2022-02-15	299	0.0077	0.00013	0.00017	0.114	< 0.020	< 0.000050	0.014	0.0000284	76.6	0.00014	0.00013	< 0.00050	0.012	< 0.000050
EV_MC2	EV_MC2_WS_2022_Q1_WK2_N	2022-02-22	347	0.0101	0.00014	0.00016	0.105	< 0.020	< 0.000050	0.014	0.0000357	85.2	0.00019	0.00011	< 0.00050	0.016	< 0.000050
EV_MC2	EV_MC2_WS_2022-02-28_N-SRF	2022-03-01	434	0.0058	0.00013	0.0002	0.131	< 0.020	< 0.000050	0.019	0.0000434	107	0.00027	0.00024	< 0.00050	0.017	< 0.000050
EV_MC2	EV_MC2_WS_2022_Q1_WK3_N	2022-03-01	332	0.0084	0.00012	0.00021	0.116	< 0.020	< 0.000050	0.013	0.0000295	72.1	0.00017	0.00015	< 0.00050	0.013	< 0.000050
EV_MC2	EV_MC2_WS_2022_Q1_WK4_N	2022-03-08	307	0.0428	0.00011	0.00017	0.104	< 0.020	< 0.000050	0.014	0.0000278	80.2	0.00036	0.00017	< 0.00050	0.036	0.00005
EV_MC2	EV_MC2_WS_2022-03-14_N-SRF	2022-03-14	321	0.0079	0.00011	0.00015	0.102	< 0.020	< 0.000050	0.012	0.0000322	72.9	0.00015	0.00012	< 0.00050	< 0.010	< 0.000050
EV_MC2	EV_MC2_WS_2022_Q1_WK5_N	2022-03-15	286	0.0094	0.00011	0.00016	0.115	< 0.020	< 0.000050	0.012	0.0000264	78.5	0.00016	0.00012	< 0.00050	0.012	< 0.000050
EV_MC2	EV_MC2_WS_2022-03_MON_N	2022-03-16	316	0.0143	0.00011	0.00017	0.1	< 0.020	< 0.000050	0.01	0.0000274	63.6	0.00016	0.00011	< 0.00050	0.018	< 0.000050
EV_MC2	EV_MC5_WS_2022-03_MON_N	2022-03-16	331	0.0132	0.00011	0.00017	0.106	< 0.020	< 0.000050	0.013	0.0000336	81.9	0.00012	0.00012	< 0.00050	0.015	< 0.000050
EV_MC2	EV_MC2_WS_2022-03-21_N-SRF	2022-03-21	324	0.0171	0.00011	0.0002	0.11	< 0.020	< 0.000050	0.013	0.0000313	76.2	0.00019	0.00011	< 0.00050	0.018	< 0.000050
EV_MC2	EV_MC2_WS_2022-03_WEK13_N	2022-03-22	321	0.0184	0.0001	0.00017	0.108	< 0.020	< 0.000050	0.014	0.0000378	75.9	0.00015	0.00012	< 0.00050	0.019	0.000056
EV_MC2	EV_MC5_WS_2022-03_WEK13_N	2022-03-22	320	0.0602	0.00015	0.00019	0.11	< 0.020	< 0.000050	0.014	0.0000467	77.5	0.00031	0.00018	0.001	0.108	0.000243
EV_MC2	EV_MC2_WS_2022-03-28_N-SRF	2022-03-28	315	0.0269	0.00011	0.00015	0.11	< 0.020	< 0.000050	0.014	0.0000318	77.8	0.00022	0.00013	< 0.00050	0.024	< 0.000050
EV_MC2	EV_MC2_WS_2022-03-28_N-SRF_1	2022-03-28	268	0.0871	0.00011	0.00022	0.118	< 0.020	< 0.000050	0.012	0.0000406	68.2	0.00036	< 0.10	< 0.00050	0.08	0.000074
EV_MC2	EV_MC2_WS_2022-03_WEK14_N	2022-03-29	308	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC5_WS_2022-03_WEK14_N	2022-03-29	265	0.206	0.00014	0.00025	0.102	< 0.020	< 0.000050	0.012	0.0000583	66	0.00055	0.00014	0.00091	0.178	0.00019
EV_MC2	EV_MC2_WS_2022-04-04_N-SRF	2022-04-04	275	0.234	0.00012	0.00024	0.104	< 0.020	< 0.000050	0.012	0.000056	64.6	0.00046	0.00011	0.00062	0.183	0.000145
EV_MC2	EV_MC2_WS_2022-04_WEK15_N	2022-04-05	262	0.0665	0.00011	0.00019	0.113	< 0.020	< 0.000050	0.011	0.0000393	61.6	0.00025	< 0.10 0.00012	< 0.00050	0.055	0.000052 0.000121
EV_MC2	EV_MC5_WS_2022-04_WEK15_N	2022-04-05 2022-04-10	284	0.0803	0.00011	0.00021	0.106	< 0.020	< 0.000050	0.014	0.000051	73.9	0.00026	< 0.10	< 0.00050	0.133 0.053	< 0.000121
EV_MC2 EV MC2	EV_MC2_WS_2022-04-10_N-SRF EV_MC2_WS_2022-04-11_N-SRF	2022-04-10	300 272	0.0476	0.00011	0.00018	0.108	< 0.020	< 0.000050	0.014	0.0000371	73.6	0.00018	- 0.10	< 0.00050	0.053	< 0.000050
EV_MC2	EV_MC2_WS_2022-04-11_N-SRF 1	2022-04-11	287	0.0341	0.00011	0.0002	0.11	< 0.020	< 0.000050	0.012	0.0000294	65.9	< 0.00030	< 0.10	< 0.00050	0.038	< 0.000050
EV_MC2	EV_MC2_WS_2022-04-11_N-SRF_1	2022-04-11	273	-	0.00011 -	0.0002		- 0.020	- 0.000000	0.012	0.0000294	- 00.8	- 0.00030	- 0.10	- 0.00000	0.030	- 0.000000
EV_MC2	EV MC2 WS 2022-Q2 N EV MC2 WS 2022-04-12 N-SRF	2022-04-12	278	0.0208	0.00012	0.00017	0.117	< 0.020	< 0.000050	0.013	0.0000327	73.4	0.00016	< 0.10	< 0.00050	0.026	< 0.000050
EV_MC2	EV_MC2_WS_2022-04-12_N-3RF EV_MC2_WS_2022-04-13_N-SRF	2022-04-12	292	-	-	-	- 0.117	- 0.020	-	-	-	-	-	- 0.10	- 0.00030	-	- 0.000030
EV MC2	EV MC2 WS 2022-04-13 N-SRF	2022-04-13	296		-	-	-	-	-	-	-	-	-		-	-	-
EV MC2	EV MC2 WS 2022-04-14 N-SRF	2022-04-14	292	-	-	-	-	-	-	_	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-04-16 N-SRF	2022-04-15	292	<u> </u>	-	-	_	-	-	-	-	_	-	_	-	_	-
EV MC2	EV MC2 WS 2022-04-17 N-SRF	2022-04-17	287	_	_	-	-	-	_	-	-	_	_	-	_	-	-
EV MC2	EV MC2 WS 2022-04-18 N-SRF	2022-04-17	276	_	_	-	-	-	-	-	-	_	-	-	_	-	-
EV MC2	EV MC2 WS 2022-04-18 N-SRF 1	2022-04-18	302	0.0277	0.00011	0.00017	0.114	< 0.020	< 0.000050	0.012	0.0000326	71.4	0.00018	< 0.10	< 0.00050	0.028	< 0.000050
EV MC2	EV_MC2_WS_2022-04_WEK17_N	2022-04-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC5 WS 2022-04 WEK17 N	2022-04-19	288	0.0322	0.00012	0.0002	0.121	< 0.020	< 0.000050	0.012	0.0000372	71.8	0.00022	< 0.10	< 0.00050	0.039	< 0.000050
EV MC2	EV MC2 WS 2022-04-19 N-SRF	2022-04-19	294	0.0366	0.00011	0.00019	0.12	< 0.020	< 0.000050	0.013	0.0000389	72	0.00023	< 0.10	< 0.00050	0.039	< 0.000050
EV MC2	EV MC2 WS 2022-04-20 N-SRF	2022-04-20	306	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-04-21 N-SRF	2022-04-21	327	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-22_N-SRF	2022-04-22	291	-	1	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-23_N-SRF	2022-04-23	289	-	-	-	-	-	-	-	-	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

									Total Metals							
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Sample	Sample	Sample Date 모	Lit	Ma	W _a	ž	Ро	əs	Silv	So	Str	된	i <u>⊨</u>	ij	'n	Zir
Location	ID	(mm/dd/yyyy) mg/	L mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
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BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2
Elkview Operation			ı	1	T	1						1	1		1	
EV_LC1	EV_LC1_WS_2022-09_MON_N		0.058		0.00421	0.00203	4.3	1.5	< 0.000010		0.48		< 0.00010	< 0.00030	0.00274	< 0.0030
EV_LC1	EV_LC1_WS_2022-Q4_N		0.074	85.3	0.00197 0.00708	0.00199	4.13	1.21	< 0.000010 < 0.000010		0.6		< 0.00010	< 0.00030	0.00285	< 0.0030 < 0.0030
EV_LC1 EV LC1	EV_ER5_WS_2022-Q4_N EV_ER7_WS_2022-Q4_N	2022-10-03 636 2022-10-03 636	_		0.00708	0.00211 0.00212	4.48 4.48	1.55 1.57	< 0.000010		0.52		< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00291 0.0029	< 0.0030
EV_LC1	EV_EN7_W3_2022-Q4_N EV LC1 WS 2022-11 MON N		_	79.9 10< 0.005	< 0.00737	< 0.00212	< 0.050	< 0.050	< 0.000010		0.000		< 0.00010	< 0.00030	< 0.0029	< 0.0030
EV_LCT EV MC2	EV MC2 WS 2022-11_MON_N	2022-11-09 < 0.5	_		0.0042	0.00183	4.45	2.51	< 0.000010		0.46		< 0.00010	< 0.00030	0.00273	< 0.0030
EV_MC2	EV_MC2_WS_2022-01-17_N-SRF		0.011		0.00411	0.00192	0.909	8.32	< 0.000010		0.19		< 0.00010	< 0.00030	0.00124	< 0.0030
EV_MC2	EV_MC2_WS_2022_Q1_N		0.011		0.00579	0.00188	0.848	7.47	< 0.000010		0.18		< 0.00010	0.0004	0.00137	< 0.0030
EV_MC2	EV_MC2_WS_2022-01-31_N-SRF		_	29.2	0.0043	0.00196	0.953	9.58	< 0.000010		0.2		< 0.00010	< 0.00030	0.0015	< 0.0030
EV_MC2	EV_MC2_WS_2022_Q1_WK0_N	2022-02-01 278			0.00432	0.00194	0.93	8.54	< 0.000010	5.12			< 0.00010	0.00033	0.00139	< 0.0030
EV_MC2	EV_MC2_WS_2022-02_MON_N			30.6	0.00396	0.00207	1	15.4	< 0.000010		0.21		< 0.00010	< 0.00030	0.00149	< 0.0030
EV_MC2	EV_MC2_WS_2022-02-14_N-SRF	2022-02-14 326	_		0.00366	0.00214	1.01	9.3	< 0.000010		0.19		0.00012	< 0.00030	0.00151	< 0.0030
EV_MC2	EV_MC2_WS_2022_Q1_WK1_N	2022-02-15 299	_		0.00268	0.00246	1.04	11.3	< 0.000010		0.2		< 0.00010	< 0.00030	0.00178	< 0.0030
EV_MC2 EV MC2	EV_MC2_WS_2022_Q1_WK2_N	2022-02-22 347 2022-03-01 434	_		0.00303	0.00254 0.0035	1.11	15.7	< 0.000010 < 0.000010		0.21		0.00017	< 0.00030 < 0.00030	0.00163	0.0061 < 0.0030
EV_MC2	EV_MC2_WS_2022-02-28_N-SRF EV_MC2_WS_2022_Q1_WK3_N	2022-03-01 434 2022-03-01 332			0.00613 0.00304	0.0035	1.5 1.11	18.6 9.14	< 0.000010		0.25		0.00032 < 0.00010	< 0.00030	0.00231 0.0016	< 0.0030
EV_MC2	EV MC2 WS 2022 Q1 WK4 N		0.015		0.00368	0.00223	1.11	10.6	< 0.000010		0.19		< 0.00010	< 0.00030	0.00164	< 0.0030
EV MC2	EV MC2 WS 2022-03-14 N-SRF	2022-03-14 321	_		0.00253	0.00241	0.965	8.49	< 0.000010	4.76			< 0.00010	< 0.00030	0.00154	< 0.0030
EV MC2	EV MC2 WS 2022 Q1 WK5 N	2022-03-15 286		34.6	0.00264	0.00236	1.11	15	< 0.000010		0.2		< 0.00010	< 0.00030	0.0017	< 0.0030
EV MC2	EV MC2 WS 2022-03 MON N			27.2	0.00279	0.00231	0.963	10.2	< 0.000010	4.85	0.18	0.000012	< 0.00010	< 0.00030	0.00145	< 0.0030
EV_MC2	EV MC5 WS 2022-03 MON N	2022-03-16 331	0.015	30	0.00285	0.00192	1.04	10.1	< 0.000010	5	0.2	< 0.000010	< 0.00010	0.00032	0.00154	< 0.0030
EV_MC2	EV_MC2_WS_2022-03-21_N-SRF	2022-03-21 324	_	31.8	0.00303	0.00216	1.08	10.1	< 0.000010		0.19		< 0.00010	< 0.00030	0.00156	< 0.0030
EV_MC2	EV_MC2_WS_2022-03_WEK13_N		0.015		0.00298	0.00207	1.07	11.3	< 0.000010		0.19		< 0.00010		0.00159	< 0.0030
EV_MC2	EV_MC5_WS_2022-03_WEK13_N		0.016		0.00609	0.00228	1.19	11.6	< 0.000010	5.57			< 0.00010	0.00122	0.00168	0.0049
EV_MC2	EV_MC2_WS_2022-03-28_N-SRF		_	32.4	0.00303 0.00331	0.00202	1.14	11.1	< 0.000010		0.2		< 0.00010	0.00067	0.00165	< 0.0030
EV_MC2 EV MC2	EV_MC2_WS_2022-03-28_N-SRF_1 EV_MC2_WS_2022-03_WEK14_N	2022-03-28 268 2022-03-29 308	0.011	26.2	-	0.00151	-	13.1 13.6	< 0.000010	4.57	0.17	< 0.000010	< 0.00010	< 0.00150	0.00119	0.005
EV_MC2	EV MC5 WS 2022-03 WEK14 N		0.011		0.00682	0.00166	1.07	12.1	< 0.000010		0.18		< 0.00010	0.00373	0.00114	0.0682
EV_MC2	EV MC2 WS 2022-04-04 N-SRF	2022-04-04 275		_	0.00477	0.00152	1.01	12.2	< 0.000010		0.18		< 0.00010	0.00373	0.00114	< 0.0030
EV MC2	EV MC2 WS 2022-04 WEK15 N		0.009		0.00293	0.00166	0.932	10.6	< 0.000010		0.18		< 0.00010	0.00400	0.00112	< 0.0030
EV_MC2	EV_MC5_WS_2022-04_WEK15_N	2022-04-05 284			0.00413	0.00159	1.07	15.2	< 0.000010		0.19		< 0.00010	0.00098	0.00125	0.0041
EV_MC2	EV_MC2_WS_2022-04-10_N-SRF		0.014	28.6	0.00277	0.00152	1.02	13.9	< 0.000010	5.47	0.2	< 0.000010	< 0.00010	0.0005	0.00126	< 0.0030
EV_MC2	EV_MC2_WS_2022-04-11_N-SRF	2022-04-11 272		-	-	-	-	13.2	-			-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-11_N-SRF_1	2022-04-11 287	_	_	0.00224	0.00158	0.952	14.3	< 0.000010		0.18		< 0.00010	0.00054	0.00124	< 0.0030
EV_MC2	EV_MC2_WS_2022-Q2_N	2022-04-12 273			- 0.00225	- 0.004.40	- 4.04	13.7	- 0.000040		-		- 0.00040		- 0.00440	- 0.0000
EV_MC2 EV MC2	EV_MC2_WS_2022-04-12_N-SRF EV_MC2_WS_2022-04-13_N-SRF	2022-04-12 278 2022-04-13 292	_	29.8	0.00225	0.00146	1.04	17.3 14.7	< 0.000010	5.18	0.2	< 0.000010	< 0.00010	< 0.00030	0.00143	< 0.0030
EV_MC2	EV_MC2_WS_2022-04-13_N-SRF EV_MC2_WS_2022-04-14_N-SRF	2022-04-13 292	_	-	<u>-</u>	-	-	15.5	-	-		-	-	-	-	<u>-</u>
EV_MC2	EV MC2 WS 2022-04-15 N-SRF	2022-04-14 290	_	+ -	-	-	-	14.4	- -	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-16_N-SRF	2022-04-16 292	_	-	-	-	-	13.4	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-17_N-SRF	2022-04-17 287	_	-	-	-	-	14.8	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-18_N-SRF	2022-04-18 276	_	-	-	-	-	13	-	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-18_N-SRF_1			30.7	0.00216	0.00146	0.956	16.6	< 0.000010		0.18		< 0.00010	0.00036	0.0014	< 0.0030
EV_MC2	EV_MC2_WS_2022-04_WEK17_N	2022-04-19 -		-	-	-	-	15.2	-		-	-	-	-	-	-
EV_MC2	EV_MC5_WS_2022-04_WEK17_N			31.8	0.0024	0.00137	1.06	17.8	< 0.000010		_	< 0.000010	< 0.00010	0.00046	0.00151	< 0.0030
EV_MC2	EV_MC2_WS_2022-04-19_N-SRF		_	30.2	0.00245	0.00129	1.01	16.7	< 0.000010		0.2		< 0.00010		0.00148	< 0.0030
EV_MC2	EV_MC2_WS_2022-04-20_N-SRF EV_MC2_WS_2022-04-21_N-SRF	2022-04-20 306 2022-04-21 327	_	-	-	-	-	18.2 17.2	<u>-</u>		-		-	-	-	-
F (/ / // '')	L V 10104 VV 3 4044-41 IN-311	2022-04-21 321			<u> </u>			11.4	-				_		-	i -
EV_MC2 EV MC2	EV MC2 WS 2022-04-22 N-SRF	2022-04-22 291	-	-	_	-	-	14.1	_		-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

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Sample	Sample	Sample Date	ar.	₹	Ę	Y-S	3ari	Ber	Bisr	Š.	Sad	Salc	ું	S	Copp	<u>ro</u>	- ea
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg		mg/L
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BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation						1			1		ı	ı	1	1			Т
EV_MC2 EV MC2	EV_MC2_WS_2022-04-24_N-SRF	2022-04-24 2022-04-25	311 350	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-25_N-SRF_1 EV_MC2_WS_2022-04-25_N-SRF	2022-04-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-26_N-SRF	2022-04-26	272	0.0612	0.00012	0.00019	0.104	< 0.020	< 0.000050	0.012	0.000037	68.8	0.00017	< 0.10	< 0.00050	0.058	< 0.000050
EV_MC2	EV_MC2_WS_2022-04-26_N-SRF_P	2022-04-26	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-26_N-SRF_UP	2022-04-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-04_WEK18_N EV_MC5_WS_2022-04_WEK18_N	2022-04-26 2022-04-26	-	0.0001	- 0.00042	0.00019	0.104	< 0.020	< 0.000050	0.012	0.0000298	- 59.2	0.0002	< 0.10	< 0.00050	0.061	< 0.000050
EV_MC2	EV_MC5_WS_2022-04_WEK18_N EV_MC2_WS_2022-04-27_N-SRF	2022-04-26	259 245	0.0821 0.145	0.00013 0.00012	0.00019	0.104	< 0.020	< 0.000050	0.012	0.0000298	59.2 59	0.0002	0.0001	< 0.00050	0.061	0.000108
EV_MC2	EV MC2 WS 2022-04-27 N-SRF P	2022-04-27	220	-	-	-	-	- 0.020	- 0.000030	-	-	-	-	-	- 0.00030	-	-
EV_MC2	EV_MC2_WS_2022-04-27_N-SRF_UP	2022-04-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-28_N-SRF	2022-04-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-04-29_N-SRF	2022-04-29	228	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-04-30_N-SRF EV_MC2_WS_2022-05-01_N-SRF	2022-04-30 2022-05-01	257	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-01_N-SRF_P	2022-05-01	261 268	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-05-01 N-SRF UP	2022-05-01	-	-	_	-	-	-	_	-	_	_	_	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-02_N-SRF	2022-05-02	-	-	-	-	-	-	-	-	-	-	-	-	ı	-	-
EV_MC2	EV_MC2_WS_2022-05-02_N-SRF_1	2022-05-02	205	0.146	0.0001	0.00026	0.101	< 0.020	< 0.000050	0.011	0.0000392	53.7	0.00031	< 0.10	0.00051	0.134	0.000098
EV_MC2	EV_MC2_WS_2022-05-03_N-SRF	2022-05-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV MC2 WS 2022-05 MON N EV MC2 WS 2022-05-04 N-SRF	2022-05-03 2022-05-04	214 198	0.307	0.00011	0.00029	0.0945	0.000022	< 0.000050	0.011	0.0000696	- 51	0.00052	0.0002	0.00072	0.264	0.000228
EV_MC2	EV_MC2_WS_2022-05-04_N-SRF	2022-05-04	171	-	0.00011	-	0.0945	-	- 0.000030	- 0.011	-	-	0.00032	0.0002	-	0.204	0.000220
EV MC2	EV MC2 WS 2022-05-06 N-SRF	2022-05-06	184	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-07_N-SRF	2022-05-07	113	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-08_N-SRF	2022-05-08	149	-	-	-	-	-	-	-	-	-	-	-	1	-	-
EV_MC2	EV_MC2_WS_2022-05-09_N-SRF	2022-05-09	166	- 0.21	- 0.00012	0.00034	0.0750	< 0.020	- 0.000050	- 0.010	- 0.0000556	- 40.7	- 0.00057	0.0002	- 0.00075	0.29	0.000208
EV_MC2 EV MC2	EV_MC2_WS_2022-05-10_N-SRF EV_MC2_WS_2022-05-11_N-SRF	2022-05-10 2022-05-11	162 194	0.31	0.00012	0.00031	0.0758	- 0.020	< 0.000050	< 0.010	0.0000556	42.7	0.00057	0.0002	0.00075	0.29	0.000206
EV MC2	EV MC2 WS 2022-05 WEK20 N	2022-05-11	-		-	_	_	_	-	_	_	_	-	-	-	_	-
EV_MC2	EV_MC5_WS_2022-05_WEK20_N	2022-05-11	179	0.212	0.00011	0.00025	0.0791	< 0.020	< 0.000050	0.01	0.0000423	45	0.00041	0.00015	0.00057	0.188	0.000125
EV_MC2	EV_MC2_WS_2022-05-12_N-SRF	2022-05-12	179	0.214	0.00012	0.00027	0.0788	< 0.020	< 0.000050	0.011	0.0000452	44.1	0.00042	0.00014	0.00057	0.186	0.000132
EV_MC2	EV_MC10_WS_2022-05-12_N-SRF	2022-05-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV_MC2	EV_MC2_WS_2022-05-13_N-SRF EV_MC10_WS_2022-05-13_N-SRF	2022-05-13 2022-05-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV MC2 WS 2022-05-13 N-SRF	2022-05-13	-	<u>-</u>	-	-	-	+ -	-	+ -	-	-	-	-	-	-	-
EV_MC2	EV_MC10_WS_2022-05-14_N-SRF	2022-05-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-15_N-SRF	2022-05-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	=
EV_MC2	EV_MC10_WS_2022-05-15_N-SRF	2022-05-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-16_N-SRF	2022-05-16	- 171	0.105	- 0.00010	0.00023	- 0.0001	< 0.020	- 0.000050	- 0.01	- 0.0000422	- 42.0	0.00028	0.00012	- 0.00050	- 0.404	0.00088
EV_MC2 EV MC2	EV_MC2_WS_2022-05-16_N-SRF_1 EV_MC10_WS_2022-05-16_N-SRF	2022-05-16 2022-05-16	171	0.105	< 0.00010	0.00023	0.0821	< 0.020	< 0.000050	0.01	0.0000423	42.9	0.00028	0.00012	< 0.00050	0.101	0.000088
EV_MC2	EV MC10 WS 2022-03-16 N-SRF	2022-05-10	175	0.124	0.0001	0.00024	0.0803	< 0.020	< 0.000050	0.011	0.0000397	45.3	0.00037	0.00013	< 0.00050	0.114	0.000097
EV_MC2	EV_MC5_WS_2022-05_WEK21_N	2022-05-17	151	0.233	< 0.00010	0.00031	0.082	0.000024	< 0.000050	< 0.010	0.00011	44.3	0.00041	0.00035	0.00092	0.226	0.000335
EV_MC2	EV_MC2_WS_2022-05-17_N-SRF	2022-05-17	149	0.511	0.00012	0.00041	0.0734	0.000027	< 0.000050	< 0.010	0.000108	42.6	0.00092	0.00042	0.00117	0.52	0.000447
EV_MC2	EV_MC10_WS_2022-05-17_N-SRF	2022-05-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV MC2 WS 2022-05-18 N-SRF EV MC10 WS 2022-05-18 N-SRF	2022-05-18 2022-05-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC10_WS_2022-05-18_N-SRF EV_MC2_WS_2022-05-19_N-SRF	2022-05-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV MC2 WS 2022-05-19 N-SRF	2022-05-19	-		-	-	-	-	-	-	-	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

Sample Sample Sample Sample Sample Date 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2										Total Metals						
Location ID										1 otal motalo						
BCWG FWAL na na na na na na na n	Sample	· · · · · · · · · · · · · · · · · · ·		Lithium		Manganese	Nickel*	Potassium	Selenium	-		•	Tin	Titanium	Uranium*	Zinc
Bow Mode Mark Mar	Location	ID	(mm/dd/yyyy) mg/	L mg/L	mg/L	mg/L	mg/L	mg/L			mg/L mg	ı/L mg/L	mg/L	mg/L		mg/L
Elviworporation						Acute			2	Ch Ac						₹ 0
EV.MC2	•		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a n/	a n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
EV MC2		F1/ M00 W0 0000 04 04 N 0DF	1 0000 04 04 1 044	1	1				40.0				T	1	T	
EV MC2				_	+			1				_				-
EV MC2				_							+ - + -					
EV MC2	_							<u> </u>			4 45 0 1					< 0.0030
EV MC2	_			_				1								-
EV MC2	_			_	_			-		-		_	+	1		-
EV MC2	_			-	-	-	-	-		-		_	-	-	-	-
EV MC2	EV MC2	EV MC5 WS 2022-04 WEK18 N	2022-04-26 259	0.01	23.2	0.00132	0.00114	0.898	11.5	< 0.000010	4.39 0.1	17 < 0.000010	< 0.00010	< 0.00180	0.00112	< 0.0030
EV MC2	EV_MC2					0.00463	0.00133	0.876	10.7	< 0.000010	4.23 0.1	16 < 0.000010	< 0.00010	0.00232	0.00111	< 0.0030
EV MC2	EV_MC2	EV_MC2_WS_2022-04-27_N-SRF_P	2022-04-27 220) -	-	-	-	-	8.08	-		-	-	-	-	-
EV MC2	EV_MC2	EV_MC2_WS_2022-04-27_N-SRF_UP	2022-04-27 -	-	-	-	-	-	8.98	-		-	-	-	-	-
EV MC2	_				-	-	-	-	8.68	-		-	-	-	-	-
EV MC2	_				-	-	-	-		-		-	-	-	-	-
EV MC2					-	-	-	-		-		-	-	-	-	-
EV MC2	_				-	-	-	-		-		-	-	-	-	-
EV_MC2	_				-	-	-	-		-			-	-	-	-
EV_MC2							-	-		-		-	-	-	-	-
EV_MC2	_			_	_		-			-		-	-	-	-	-
EV MC2	_			_				0.793			+	15 < 0.000010				+
EV_MC2	_						-	-		<u>-</u>	+-+-	-	- -	-	-	+
EV_MC2							0.00165	0.826		< 0.000010	370	15 0.000014	< 0.00010	0.00622	0.000871	< 0.0030
EV MC2 EV MC2 WS 2022-05-06 N-SRF 2022-05-06 184	_			_				0.020			3.7 0.	0.000014	- 0.00010	0.00022		
EV_MC2 EV_MC2_WS_2022-05-07_N-SRF 2022-05-07_113 - - - - 2.21 -	_				+			-			+++		-	-		
EV_MC2 EV_MC2_WS_2022-05-08_N-SRF 2022-05-08_149 - - - - 4.54 -	_			_	-								+	+		_
EV_MC2 EV_MC2_WS_2022-05-09_N-SRF 2022-05-09_166 - - - - - 3.8 -<	_			_	_	_		_		-			+			-
EV_MC2 EV_MC2_WS_2022-05-10_N-SRF 2022-05-10_162_0.008_15.1 0.0078_0.0078 0.00172_0.781_5.69 0.000012_0.00012_0.00012_0.00016_0.00016_0.00011_0.0046_0.000627_0.00016_0.00011_0.0046_0.000627_0.00016_0.00011_0.0046_0.000627_0.00016_0.00011_0.0046_0.000627_0.00016_0.00011_0.0046_0.000627_0.00016_0.00018_0.00016_0.00018_0.000018_0.00018_0.00018_0.000018_0.00018_0.00018_0.00018_0.00018_0.000018_0.00018_0				_	+			-			T .	_		_		-
EV_MC2 EV_MC2 WS_2022-05-11_N-SRF 2022-05-11 194 -					15.1	0.0078	0.00172	0.781		0.000012	3.84 0.	12 0.000016	0.00011	0.0046	0.000627	0.0042
EV_MC2 EV_MC5_WS_2022-05_WEK20_N 2022-05-11 179 0.007 15.1 0.00535 0.00156 0.736 5.44 < 0.000010 3.58 0.12 0.00012 < 0.00010 0.00695 < 0.00 EV_MC2 EV_MC2_WS_2022-05-12_N-SRF 2022-05-12 179 0.006 15 0.00559 0.00147 0.735 5.21 < 0.000010	EV MC2			_				1		-				-		-
EV_MC2	EV MC2	EV MC2 WS 2022-05 WEK20 N	2022-05-11 -	-	-	-	-	-	9.97	-		-	-	-	-	-
	EV_MC2	EV_MC5_WS_2022-05_WEK20_N	2022-05-11 179	0.007	15.1	0.00535	0.00156	0.736	5.44	< 0.000010	3.58 0.	0.000012	< 0.00010	0.0035	0.000695	< 0.0030
EV_MC2	EV_MC2	EV_MC2_WS_2022-05-12_N-SRF	2022-05-12 179	0.006	15	0.00559	0.00147	0.735	5.21	< 0.000010	3.51 0.1	13 0.000013	< 0.00010	< 0.00420	0.000702	< 0.0030
	_				-	-	-	-		-	- T-	-	-	-	-	-
2.4 MOZ				-	-	-	-	-		-	<u> </u>	-	-	-	-	-
EV_MC2				_	_		-	-		-	++	-	-	-	-	-
21_1102 110_1102_110_1010 11_11010				_	_									<u> </u>		-
21_1101	_			_	_						1 1			<u> </u>		-
21_1102 21_110_110_1011 212.00 10 11	_			_	_						1 1					-
LV_MOL					_			1								-
	_															0.0124
	_			_	_			†		-			- 0.00010		-	-
										< 0.000010			< 0.00010	1	0.000691	0.0074
	_															0.0041
	_															0.0052
	_				_			-								-
	EV_MC2	EV_MC2_WS_2022-05-18_N-SRF	2022-05-18 -			-	-				<u> </u>		-	_	-	-
	_		2022-05-18 -	-	-	-	-	-				-	-	-	-	-
21_1102					-	-	-	-		-	- T	-	-	-	-	-
EV_MC2	EV_MC2	EV_MC2_WS_2022-05-20_N-SRF	2022-05-20 -	-	-	-	-	-	4.78	-	<u> </u>	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

Eliment P. M.C.2 P. W. M.S. 1002-002-21 N-SRF 2002-005-21				Γ								Total Metals						
Sample S				rdness	minum	timony	senic	rium*	ryllium*	smuth	<u>-</u>	E	lcium	romium	balt	pper	r	De De
REWIGN FIVAL	Sample	Sample	Sample Date	На	₹	A.	Ä	Ва	Be	ä	Во	Sa	င်ခ	ភ	ပိ	ပိ	<u> </u>	Le
February February	Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg	L L	mg/L
Elwino Cymura C							Acute	<u> </u>	roni		.ino				Acute Chronic		Acute	
EV MC2	BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
EV MC2	Elkview Operation					_												
EY MC2				-		-			-	-			-	-		-	-	
EV MC2 EV MC3 WS 2022-65 M SFF				-								+	-					
Fy MG2				- 101														
EV MC2																		
EV.MC2 EV.MC2 WS 2020-659 NSFF 3020-659 S																		
EV MC2 EV MC2 WS 2022-06-20 N-SFF 2022-06-20																		<u> </u>
EV MC2 EV MC2 WB 2002-6528 N-SRF 2002-6529				-											1			
EV MC2 EV MC2 WS 2022-65-28 N-SRF 2022-65-25				-											1			
EV MC2				-		-			-			-	-	-	-	-		-
EV MC2 EV MC2 WS 2022-65-30 NSFF T 2022-65-31 S	EV_MC2	EV_MC2_WS_2022-05-29_N-SRF		-	-	-		-		_	-	-	-	-	-	-		=
EV MC2	EV_MC2	EV_MC2_WS_2022-05-30_N-SRF		-	-	-	-	-		-	-	-	-	-		-	-	
EV MC2 EV MC2 WS 2022-06-01 NSRF 2022-06-01 150 0.344 0.0001 0.00034 0.0675 0.000025 0.000070 33 0.000025 0.000074 0.00075 0.000076 PV MC2 EV MC2 WS 2022-06-01 NSRF 2022-06-01 1 0 0.0004 0.00034 0.0688 0.020 0.0001 0.0000767 39 0.00071 0.00005 0.00077 0.00024 EV MC2 EV MC2 WS 2022-06-01 NSRF 2022-06-01 0 0 0.0001 0.0000767 39 0.00071 0.00005 0.00077 0.00024 EV MC2 EV MC2 WS 2022-06-01 NSRF 2022-06-02 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				137	0.317	0.0001	0.00029	0.0672	0.000022	< 0.000050	< 0.010	0.0000538	42.3	0.00037	0.00023	0.00078	0.278	0.000242
EV MC2				-												-		-
EV MC2																		
EV MC2				150		0.0001				< 0.000050		0.0000767		0.00071		0.00077		0.000242
EV MC2 EV MC2 WS 2022-06-03 N-SRF 2022-06-03				-							-		-		-	-		-
EV MC2 EV MC2 WS 2022-06-04 N-SRF 2022-06-04				-			-		-				 -		+			
EV MC2							-		-		ļ	_			+			_
EV MC2 EV MC2 WS 2022-06-06 N-SRF 2022-06-06 12 0.56 0.00014 0.00078 0.0693 0.000063 <0.010 0.000167 319 0.0014 0.00076 0.00232 1.32 0.000884 EV MC2 EV MC5 WS 2022-06 MON N 2022-06-06 122 0.686 0.00011 0.00049 0.0697 0.00006 <0.010 0.000167 319 0.0014 0.00076 0.00232 1.32 0.000884 EV MC2 EV MC2 WS 2022-06 WCN N 2022-06-07 120 0.389 0.00013 0.00006 0.00006 <0.010 0.000152 319 0.0014 0.00076 0.00232 1.32 0.000884 EV MC2 EV MC2 WS 2022-06-07 N-SRF 2022-06-07 120 0.0006 0.00061 0.00064 0.00076 0.000152 319 0.00018 0.00071 0.00164 1.02 0.00061 EV MC2 EV MC2 WS 2022-06-07 N-SRF 2022-06-07 120 1.00064 0.00076 0.00085 0.00060 0.0010 0.000152 319 0.00018 0.00071 0.00164 1.02 0.00081 EV MC2 EV MC2 WS 2022-06-08 N-SRF 2022-06-08						+	_						<u> </u>	-		+		_
EV MC2				-		1	-		-	_		_	-	_	+		-	-
EV MC2				112	0.956	0.00014	0.00078	0.0693	0.000063	< 0.000050	< 0.010	0.000167	31.9	0.0014	0.00076	0.00232	1.32	0.000884
EV MC2	EV_MC2	EV_MC5_WS_2022-06_MON_N	2022-06-06	122	0.685	0.00011	0.00049	0.0697	0.00005	< 0.000050	< 0.010	0.000147	33.4	0.00128	0.00061	0.00128	0.676	0.000671
EV MC2	EV_MC2	EV_MC2_WS_2022_Q2_WK4_N	2022-06-07	120	0.939	0.00013	0.00064	0.0724	0.000063	< 0.000050	< 0.010	0.000152	31.9	0.00148	0.00071	0.00164	1.02	0.000803
EV MC2				128	1.03	0.00017	0.00085	0.0751	0.000063	< 0.000050	< 0.010	0.000207	37.5	0.00264	0.00089	0.00219	1.38	0.0011
EV MC2				-		+					-	+				+		
EV MC2				-											-			
EV MC2				-							1				-			
EV MC2				-							 							
EV MC2											1				1			
EV MC2				112														
EV_MC2																		
EV MC2 EV MC2 WS 2022-06-15 N-SRF 2022-06-15																		0.00129
EV_MC2 EV_MC2_WS_2022-06-16_N-SRF 2022-06-16_N-SRF 2022-06-16_N-SRF 2022-06-17_N-SRF -			2022-06-14	120	0.785	0.00016	0.00071	0.069	0.000066	< 0.000050	< 0.010	0.000157	31.4	0.00129	0.00065	0.00165	1.12	0.000757
EV_MC2 EV_MC2_WS_2022-06-17_N-SRF 2022-06-17_N-SRF 2022-06-18_N-SRF 2022-06-18_N-SRF -				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2 EV MC2 WS 2022-06-18 N-SRF 2022-06-18				-	-	-		-	-	-	ļ	-	-	-	-	-		-
EV MC2 EV MC2 WS 2022-06-19 N-SRF 2022-06-19						+					-							
EV MC2 EV_MC2 WS_2022-06-20 N-SRF 2022-06-20						+									-			
EV_MC2 EV_MC2_WS_2022-06-21_N-SRF 2022-06-21_131_0.567_0.00011_0.00053_0.0622_0.000039_<0.000050_<0.010_0.000867_34.30.00098_0.00041_0.00109_0.790.000504_ EV_MC2 EV_MC2_WS_2022-06_WEK26_N 2022-06-21				-		-	-	-				-			-			-
EV_MC2 EV_MC2_WS_2022-06_WEK26_N 2022-06-21 -						0.00011	0.00053	0.0622				0.0000867			0.00041			0.000504
EV_MC2						-	-	-		- 0.000000	- 0.010	-		-		-	-	
EV_MC2						< 0.00010	0.00045	0.0611		< 0.000050	< 0.010	0.0000675		0.00074		0.00096	0,49	
EV_MC2	EV_MC2	EV MC2 WS 2022-06-23 N-SRF	2022-06-23	-					-	-				-			-	
EV_MC2				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2			2022-06-25	-	-	-		-		_	-	-	-	-	-	-		=
EV MC2	EV_MC2	EV_MC2_WS_2022-06-26_N-SRF	2022-06-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals						
										Total metals						
Sample Location	Sample ID	Sample Date	Hardness	Eithium	Magnesium	Manganese mg/L	*-le Vic Mg/L	Mb Potassium	Relenium Maylu		Sodium Strontium	Thallium md/L	Ę mg/L	Titanium mg/L	Uranium*	e IZ mg/L
	 	, (a. a , , , , , , ,	9. =			a nic	<u>'ö</u>		nic	· · · · · · · · · · · · · · · · · · ·	gg	9/=		g/=		a nic
						Acute	Chron		Chron	Acute					Chronic	Acute
BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation										·	•					
EV_MC2	EV_MC2_WS_2022-02-21_N-SRF	2022-05-21	-	-	-	-	-	-	4.92	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-22_N-SRF	2022-05-22	-	-	-	-	-	-	5.62	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-23_N-SRF	2022-05-23	-	-	-	-	-		5.98	-		-	-	-	-	- 0.0040
EV_MC2	EV_MC2_WS_2022-05_WEK22_N	2022-05-24	184	0.007	19.4	0.00259 0.00336	0.00183	0.762	5.59	<u> </u>	3.48 0.13		< 0.00010	0.0024	0.000797	0.0048 < 0.0030
EV_MC2 EV MC2	EV_MC5_WS_2022-05_WEK22_N EV_MC2_WS_2022-05-24_N-SRF	2022-05-24 2022-05-24	180 194	0.007	16.6 16.8	0.00336	0.00168 0.00167	0.68	5.7 5.93		2.91 0.12 2.94 0.13		< 0.00010 < 0.00010	< 0.00240 < 0.00270	0.000709 0.000712	< 0.0030
EV_MC2	EV MC2 WS 2022-05-24 N-SRF	2022-05-24	-	0.007	-	0.00456	0.00167	0.077	5.37		- 0.13	-	- 0.00010	- 0.00270	0.000712	- 0.0030
EV MC2	EV MC2 WS 2022-05-26 N-SRF	2022-05-26	 -	-	 -	_		+ -	4.42	-			-	_	_	_
EV MC2	EV MC2 WS 2022-05-27 N-SRF	2022-05-27	-	-	-	-	-	-	4.47	-		-	-	-	-	=
EV MC2	EV MC2 WS 2022-05-28 N-SRF	2022-05-28	-	-	-	-	-	-	3.72	-		-	-	-	-	-
EV MC2	EV MC2 WS 2022-05-29 N-SRF	2022-05-29	_	-	-	-	-	-	2.72	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-05-30_N-SRF	2022-05-30	-	ı	-	-	-	-	3.09	-		-	-	-	-	=
EV_MC2	EV_MC2_WS_2022-05-30_N-SRF_1	2022-05-30	137	0.005	14.7	0.01	0.00197	0.65	3.4	0.00002	1.92 0.1	0.000018	< 0.00010	0.00428	0.000545	0.0035
EV_MC2	EV_MC2_WS_2022-05_WEK23_N	2022-05-31	-	-	-	-	-	-	3.52	-		-	-	-	-	-
EV_MC2	EV_MC5_WS_2022-05_WEK23_N	2022-05-31	153	0.006	14.5	0.00941	0.00211	0.709	4.31		2.4 0.1	0.000017	< 0.00010	0.00436	0.000563	0.0034
EV_MC2	EV_MC2_WS_2022-05-31_N-SRF	2022-05-31	150	0.006	14.4	0.0102	0.00203	0.72	4.25		2.4 0.1	0.000018	< 0.00010	0.00707	0.000583	0.0086
EV_MC2	EV_MC2_WS_ 2022-06-01_N-SRF	2022-06-01	-	-	-	-	-	-	3.38	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-02_N-SRF	2022-06-02	-	-	-	-	-	-	3.75	-		-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-06-03_N-SRF EV_MC2_WS_2022-06-04_N-SRF	2022-06-03 2022-06-04	-	-	-	-	-	-	7.99 3.4	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-04_N-SRF	2022-06-04	-	-	+ -	<u>-</u>	-	-	2.95	-		-	-	-	-	-
EV MC2	EV MC2 WS 2022-06-05 N-SRF	2022-06-06	1 -	-	-		-	-	2.97	-		-	-	-	_	<u>-</u>
EV MC2	EV MC2 WS 2022-06 MON N	2022-06-06	112	0.004	9.82	0.0361	0.00338	0.796	2.3		1.48 0.08		< 0.00010	0.00759	0.000484	0.0107
EV MC2	EV MC5 WS 2022-06 MON N	2022-06-06		0.005	11.1	0.0332	0.00273	0.708	2.92		1.59 0.08		< 0.00010	0.0131	0.000496	0.007
EV MC2	EV MC2 WS 2022 Q2 WK4 N	2022-06-07		0.005	10.8	0.035	0.00327	0.822			1.58 0.08		< 0.00010	0.0138	0.000526	0.0092
EV_MC2	EV_MC2_WS_2022-06-07_N-SRF	2022-06-07	128	0.005	12.1	0.0453	0.0038	0.877	3.28	0.000034 1	1.65 0.09	0.00005	< 0.00010	0.00746	0.000565	0.0124
EV_MC2	EV_MC2_WS_2022-06-08_N-SRF	2022-06-08	-	-	-	-	-	-	3.77	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-09_N-SRF	2022-06-09	-	-	-	-	-	-	2.72	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-10_N-SRF	2022-06-10	-	-	-	-	-	-	3.33	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-11_N-SRF	2022-06-11	-	-	-	-	-	-	3.44	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-12_N-SRF	2022-06-12	-	-	-	-	-	-	2.35	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-13_N-SRF	2022-06-13	- 440	- 0.004	- 10.4	- 0.0520	- 0.00004	- 0.000	2.16	- 0.000011		- 0.00005		- 0.00500	- 0.000500	- 0.40
EV_MC2 EV MC2	EV_MC2_WS_2022-06_WEK25_N EV_MC5_WS_2022-06_WEK25_N	2022-06-13 2022-06-13	112 112	0.004	10.4	0.0539 0.0497	0.00294 0.00452	0.623	2.76 2.91		2.64 0.08 1.46 0.08		< 0.00010 < 0.00010	0.00532 0.00879	0.000508 0.000524	0.19 0.015
EV_MC2	EV MC2 WS 2022 Q2 WK5 N	2022-06-13	_		_		0.00452	0.968		+		0.000062	< 0.00010		0.000524	0.015
EV_MC2	EV_MC2_WS_2022_Q2_WRS_N EV_MC2_WS_2022-06-14_N-SRF	2022-06-14				0.0353	0.00442	0.928			1.6 0.09		< 0.00010	0.00567	0.000331	0.009
EV MC2	EV_MC2_WS_2022-06-14_N-SKI	2022-06-14	-	-	-	-	-	-	2.46	-		-	- 0.00010	-	-	-
EV MC2	EV MC2 WS 2022-06-16 N-SRF	2022-06-16	_	-	-	-	-	-	3.12	-		-	_	-	-	-
EV_MC2	EV_MC2_WS_2022-06-17_N-SRF	2022-06-17	-	-	-	-	-	-	2.75	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-18_N-SRF	2022-06-18	-	-	-	-	-	-	2.85	-		-	-	-	-	=
EV_MC2	EV_MC2_WS_2022-06-19_N-SRF	2022-06-19		-	-	-	-	-	2.31	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-20_N-SRF	2022-06-20		-	-	-	-	-	2.98	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-21_N-SRF	2022-06-21	131	0.005	11.2	0.0217	0.00248	0.766	3.47	<u> </u>	1.75 0.09		< 0.00010	0.0066	0.000493	0.0064
EV_MC2	EV_MC2_WS_2022-06_WEK26_N	2022-06-21	-	-	-	- 0.0454	-	-	3.61	-		-	0.00040	-	- 0.000504	-
EV_MC2	EV_MC5_WS_2022-06_WEK26_N	2022-06-21				0.0151	0.00187	0.69			1.8 0.1		< 0.00010	< 0.00690	0.000564	0.0048
EV_MC2	EV_MC2_WS_ 2022-06-22_N-SRF EV_MC2_WS_2022-06-23_N-SRF	2022-06-22		0.006		0.0165	0.00202	0.714			1.85 0.09	1	< 0.00010	0.00613	0.000573	0.0044
EV_MC2 EV MC2	EV_MC2_WS_2022-06-23_N-SRF EV_MC2_WS_2022-06-24_N-SRF	2022-06-23 2022-06-24	-	-	-	-	-	-	3.68 2.96	-		-	-	-	-	-
EV_MC2	EV MC2 WS 2022-06-24 N-SRF	2022-06-24	-	-	-	-	-	-	3.48	-		-	-	-	-	-
EV_IVIC2 EV MC2	EV_MC2_WS_2022-06-25_N-3RF EV_MC2_WS_2022-06-26_N-SRF	2022-06-26	-	-	 -	-	-	+	4.91	-		-	-	-	-	-
L V_IVICZ	LV_WOZ_VVO_ZUZZ-UU-ZU_W-SRF	2022-00-20					-	<u> </u>	4.31	<u> </u>	- -	<u> </u>	<u> </u>	<u> </u>	<u> </u>	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						
				۶	_			*_			_		ε				
			Se	Ę	l G	ပ	*_	Ĕ	£		d miun	ε	.≣		<u>.</u>		
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Commis	0	Campula Data	arc	흐	Ę	l Sc	ā	Ber,	ī	ě	Cad	Salc	į	8	ဝတ	ō	Ö Ö
Sample	Sample	Sample Date	I	₹	<	<	<u> </u>		<u> </u>	<u> </u>			5				
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg	L	mg/L
						ø	nic	nic .		nic .				Acute Chronic		ø.	ute
						cute	2	2		Chroni				Acute		cute	cute
						ΑC	ਠਂ	ပ်		ਠ				¥ 5		¥	C A
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation								•		•	•						
EV MC2	EV MC2 WS 2022-06-27 N-SRF	2022-06-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-06-28 N-SRF	2022-06-28	186	0.115	< 0.00010	0.00029	0.0555	< 0.020	< 0.000050	< 0.010	0.0000423	45.2	0.0003	0.00013	< 0.00050	0.125	0.000108
EV MC2	EV MC2 WS 2022-06 WEK27 N	2022-06-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC5_WS_2022-06_WEK27_N	2022-06-28	163	0.266	0.00011	0.0004	0.0691	0.000035	< 0.000050	< 0.010	0.000116	47.9	0.00054	0.00034	0.00094	0.427	0.000574
EV_MC2	EV_MC2_WS_ 2022-06-29_N-SRF	2022-06-29	165	0.182	< 0.00010	0.00028	0.0638	< 0.020	< 0.000050	< 0.010	0.0000422	43.5	0.00037	0.00016	< 0.00050	0.191	0.000112
EV_MC2	EV_MC2_WS_2022-06-30_N-SRF	2022-06-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-01_N-SRF	2022-07-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-02_N-SRF	2022-07-02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-03_N-SRF	2022-07-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-04_N-SRF	2022-07-04	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022_Q3_N	2022-07-05	187	0.0487	< 0.00010	0.00021	0.061	< 0.020	< 0.000050	< 0.010	0.0000295	44.8	0.0002	< 0.10	< 0.00050	0.057	0.000064
EV_MC2	EV_MC2_WS_2022-07-05_N-SRF	2022-07-05	161	0.0624	< 0.00010	0.00025	0.059	< 0.020	< 0.000050	< 0.010	0.0000302	42	0.00024	0.00011	< 0.00050	0.065	0.000082
EV_MC2	EV_MC2_WS_2022-07-06_N-SRF	2022-07-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-07_N-SRF	2022-07-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-08_N-SRF	2022-07-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-09_N-SRF	2022-07-09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-10_N-SRF	2022-07-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-11_N-SRF	2022-07-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07_WEK29_N	2022-07-12	225	0.0235	< 0.00010	0.00023	0.0677	< 0.020	< 0.000050	0.011	0.0000391	54.6	0.00017	< 0.10	< 0.00050	0.033	< 0.000050
EV_MC2	EV_MC5_WS_2022-07_WEK29_N	2022-07-12	202	0.0282	< 0.00010	0.00022	0.0698	< 0.020	< 0.000050	< 0.010	0.0000251	47.4	0.0002	< 0.10	< 0.00050	0.035	0.000056
EV_MC2	EV_MC2_WS_2022-07-12_N-SRF	2022-07-12	197	0.0262	< 0.00010	0.00021	0.07	< 0.020	< 0.000050	0.011	0.0000245	44.7	0.00023	< 0.10	< 0.00050	0.033	< 0.000050
EV_MC2	EV_MC2_WS_2022-07-13_N-SRF	2022-07-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-14_N-SRF	2022-07-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-15_N-SRF	2022-07-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-16_N-SRF	2022-07-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-17_N-SRF	2022-07-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-18_N-SRF	2022-07-18	-	-	- 0.00040	- 0.00004	- 0.0000		- 0.000050	- 0.044	-	-	-	- 10.40	- 0.00050	- 0.040	
EV_MC2	EV_MC2_WS_2022-07-19_N-SRF	2022-07-19	233	0.0149	< 0.00010	0.00021	0.0806	< 0.020	< 0.000050	0.011	0.0000242	61	0.00019	< 0.10	< 0.00050	0.018	< 0.000050
EV_MC2	EV_MC2_WS_2022-07-20_N-SRF	2022-07-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-21_N-SRF	2022-07-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-22_N-SRF EV_MC2_WS_2022-07-23_N-SRF	2022-07-22 2022-07-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-07-23_N-SRF EV_MC2_WS_2022-07-24_N-SRF	2022-07-23	-		-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-24_N-SRF EV_MC2_WS_2022-07-25_N-SRF	2022-07-24	-	<u> </u>	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-25_N-SRF EV_MC2_WS_2022-07-26_N-SRF	2022-07-25	-	-	-	-	_	<u> </u>	-	<u>-</u>	-		-	-	-	-	+
EV MC2	EV MC2 WS 2022-07-20 N-SRF	2022-07-20	-		-	-	-	-	-	-		-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-07-27 N-SRF	2022-07-27	-	<u> </u>	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-07-29 N-SRF	2022-07-28	-		-	-	-	-	-		-	-	-	-		-	-
EV MC2	EV MC2 WS 2022-07-29 N-SRF	2022-07-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-07-30 N-SRF	2022-07-30	-		-	-	_	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-08-01 N-SRF	2022-07-01	-	_	_	-	-	-	-	_	_	_	_	-	_	-	-
EV MC2	EV MC2 WS 2022-08-02 N-SRF	2022-08-02	237	0.0066	< 0.00010	0.00016	0.0863	< 0.020	< 0.000050	0.012	0.0000233	62.3	0.00018	< 0.10	< 0.00050	0.012	< 0.000050
EV MC2	EV MC2 WS 2022-08-03 N-SRF	2022-08-03	-	-	-	-	-		-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-08-04 N-SRF	2022-08-04	-	_	_	-	-	-	_	-	_	-	_	-	_	-	-
EV MC2	EV MC2 WS 2022-08-05 N-SRF	2022-08-05	_	_	_	-	-	-	_	-	_	-	_	-	_	-	-
EV MC2	EV MC2 WS 2022-08-06 N-SRF	2022-08-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-08-07 N-SRF	2022-08-07	-	-	-	-	_	-	-	-	-	_	-	-	-	-	-
EV MC2	EV MC2 WS 2022-08-08 N-SRF	2022-08-08	-	-	-	-	_	-	-	-	-	_	-	-	-	-	-
EV_MC2	EV_MC2_WS_ 2022-08-09_N-SRF	2022-08-09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-10_N-SRF	2022-08-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-10_N-SRF	2022-08-10	-	-		<u> </u>	-	-	-	-	-	-	<u> </u>	-	-		

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

									Total Metals							
				E	Φ		_									
		SS	_	Ϊ́	Ser		Ξ	Ε		_	토	E		ε	*=	
		d d d	풀	nes	ga	*	SSi	lenium	<u>.</u>	Ę	l ∰			<u> </u>	l . <u>≒</u>	
Commis	Comple		ΞĘ	lag	lan	<u>5</u>	ota	Sele	Sii S	Sodium	Strontium	hal	.⊑	itar	ra E	inc
Sample Location	Sample ID	Sample Date 🖺 (mm/dd/yyyy) mg/L	ma/l	≅ mg/L	≥ mg/L	mg/L	mg/L	μg/L	mg/L		ကg/L	⊢ mg/L	⊢ mg/L	⊢ mg/L	⊃ mg/L	N mg/L
Location	JU JU	(IIIII/dd/yyyy) IIIg/L	IIIg/L	ilig/L	Ť	υ u	IIIg/L			ilig/L	-ilig/L	- IIIg/L	IIIg/L	IIIg/L	ပ	
					ute	i <u>i</u>		oni	onic						roni	ute
					Acu	ફું		Chronic	Acute Chron						Chr	Acute
BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003° 0.00005-0.0015°	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation		100	ii/u	11/4	0.001-0.00	0.020-0.10	11/u		0.0001-0.000	11/4	11/4	11/4	1174	11/4	0.0000	0.0070-2
EV MC2	EV MC2 WS 2022-06-27 N-SRF	2022-06-27 -	-	-	-	-	-	5.39	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-28_N-SRF	2022-06-28 186	0.007	15.8	0.00586	0.00138	0.66	6.41	< 0.000010	2.75	0.11	< 0.000010	< 0.00010	0.00157	0.000664	< 0.0030
EV_MC2	EV_MC2_WS_2022-06_WEK27_N	2022-06-28 -	-	-	-	-	-	4.53	-	-	-	-	-	-	-	-
EV_MC2	EV_MC5_WS_2022-06_WEK27_N	2022-06-28 163	0.008	16.4	0.0205	0.00211	0.703	6.48	< 0.000010		0.12		< 0.00010	0.00806	0.000723	0.0056
EV_MC2 EV MC2	EV_MC2_WS_2022-06-29_N-SRF EV_MC2_WS_2022-06-30_N-SRF	2022-06-29 165 2022-06-30 -	0.007	15.8	0.00639	0.00154	0.677	5.82 4.91	< 0.000010	2.6	0.12	0.000011	< 0.00010	0.00296	0.000666	< 0.0030
EV_MC2	EV MC2 WS 2022-07-01 N-SRF	2022-06-30 -	-	-	-	<u> </u>	-	5.26	<u>-</u>	-	+-	-	-	-	-	-
EV_MC2	EV MC2 WS 2022-07-01 N-SRF	2022-07-01 -	-	-	-	-	-	5.6	-	<u> </u>	 -	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-03_N-SRF	2022-07-03 -	-	-	-	-	-	5.54	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-04_N-SRF	2022-07-04 -	-	-	-	-	-	5.17	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022_Q3_N		0.007	15.1	0.00328	0.00133	0.644	6.22	< 0.000010		0.11		< 0.00010	0.00075	0.000737	< 0.0030
EV_MC2	EV_MC2_WS_2022-07-05_N-SRF	2022-07-05 161	0.006		0.00412	0.00137	0.63	5.33	< 0.000010		0.11		< 0.00010	0.00098	0.000701	< 0.0030
EV_MC2 EV MC2	EV_MC2_WS_2022-07-06_N-SRF EV_MC2_WS_2022-07-07_N-SRF	2022-07-06 - 2022-07-07 -	-	-	-	<u>-</u>	-	4.73 5.54	- -	-	+-	-	-	-	-	-
EV_MC2	EV MC2 WS 2022-07-07 N-SRF	2022-07-08 -	-	-	-	<u> </u>	-	5.83	-	H	╁÷		-	-	-	-
EV MC2	EV MC2 WS 2022-07-09 N-SRF	2022-07-09 -	-	-	-	-	-	6.33	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-10_N-SRF	2022-07-10 -	-	-	-	-	-	7.04	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-11_N-SRF	2022-07-11 -	-	-	-	-	-	7.7	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07_WEK29_N	2022-07-12 225		19.8	0.0025	0.00144	0.733	9.39	< 0.000010		0.14		< 0.00010	0.00036	0.000842	0.0037
EV_MC2	EV_MC5_WS_2022-07_WEK29_N EV_MC2_WS_2022-07-12_N-SRF	2022-07-12 202	0.01	17.6 17.6	0.00249 0.00235	0.00144	0.7	7.87	< 0.000010 < 0.000010		0.12		0.0003	0.00052	0.000852	< 0.0030 < 0.0030
EV_MC2 EV MC2	EV MC2 WS 2022-07-12 N-SRF EV MC2 WS 2022-07-13 N-SRF	2022-07-12 197 2022-07-13 -	0.01	-	0.00235	0.00133	0.692	7.42 8.11		2.54	0.12	< 0.000010	< 0.00010	0.00039	0.000864	- 0.0030
EV_MC2	EV MC2 WS 2022-07-13 N-SRF	2022-07-13 -	_	-	-	-	-	7.22	-	H	+-	_	-	_	-	-
EV_MC2	EV_MC2_WS_2022-07-15_N-SRF	2022-07-15 -	-	-	-	-	-	7.59	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-16_N-SRF	2022-07-16 -	-	-	-	-	-	10.3	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-17_N-SRF	2022-07-17 -	-	-	-	-	-	8.52	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-18_N-SRF	2022-07-18 -	- 0.04	- 00.5	-	- 0.00400	- 0.000	10.8	- 0.000010	-	- 0.45	-	-	-	-	0.0064
EV_MC2 EV MC2	EV_MC2_WS_2022-07-19_N-SRF EV_MC2_WS_2022-07-20_N-SRF	2022-07-19 233 2022-07-20 -	0.01	23.5	0.00209	0.00166	0.832	9.61 9.13	< 0.000010	3.40	0.15	< 0.000010	< 0.00010	0.00048	0.00102	0.0064
EV_MC2	EV MC2 WS 2022-07-20 N-SRF	2022-07-20 -	-	-	-	<u> </u>	-	9.71		ĦĒ	+-	-	-	-		
EV_MC2	EV_MC2_WS_2022-07-22_N-SRF	2022-07-22 -	-	-	-	-	-	8.87	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-23_N-SRF	2022-07-23 -	-	-	-	-	-	10.3	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-24_N-SRF	2022-07-24 -	-	-	-	-	-	10.2	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-25_N-SRF	2022-07-25 -	-	-	-	-	-	10.6	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-07-26_N-SRF EV_MC2_WS_2022-07-27_N-SRF	2022-07-26 - 2022-07-27 -	-	-	-	<u>-</u>	-	15.4 12.2	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-27_N-SRF EV_MC2_WS_2022-07-28_N-SRF	2022-07-28 -	-	-	-	<u> </u>	-	15	-	-	_	-	-	-	-	-
EV MC2	EV MC2 WS 2022-07-29 N-SRF	2022-07-29 -	-	-	-	-	-	11.8	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-30_N-SRF	2022-07-30 -	-	-	-	-	-	11.4	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-07-31_N-SRF	2022-07-31 -	-	-	-	-	-	11.8	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-01_N-SRF	2022-08-01 -	-	-	-	-	-	12.6	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-08-02_N-SRF	2022-08-02 237 2022-08-03 -	0.009	23.8	0.00209	0.00107	0.774	11.1 12	< 0.000010	3.21	0.15		< 0.00010	< 0.00030	0.0011	0.0044
EV_MC2	EV_MC2_WS_2022-08-03_N-SRF EV_MC2_WS_2022-08-04_N-SRF	2022-08-04 -	-	-	-	<u>-</u>	-	12.6	-	-	+-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-08-05 N-SRF	2022-08-05 -	-	-	-	-	-	16.4	-	-	 -	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-06_N-SRF	2022-08-06 -	-	-	-	-	-	15.7	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-07_N-SRF	2022-08-07 -	-	-	-	-	-	17.4	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-08_N-SRF	2022-08-08 -	-	-	-	-	-	15	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-09_N-SRF	2022-08-09 -	-	-	-	-	-	15.2	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-10_N-SRF	2022-08-10 -	-	-	-	-		14.4	-	-	-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

			ſ								Total Metals						
Sample	Sample	Sample Date	Hardness	Aluminum	Antimony	Arsenic	Barium*	Beryllium*	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/	L_	mg/L
						Acute	Chronic	Chronic		Chronic				Acute Chronic		Acute	Acute Chronic
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation													•				
EV_MC2	EV_MC2_WS_2022-08_MON_N	2022-08-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-11_N-SRF	2022-08-11	361	0.0065	< 0.00010	0.00022	0.0905	< 0.020	< 0.000050	0.014	0.0000341	77.4	0.00018	< 0.10	< 0.00050	0.011	< 0.000050
EV_MC2	EV_MC2_WS_2022-08-12_N-SRF	2022-08-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-13_N-SRF	2022-08-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-08-14_N-SRF EV_MC2_WS_2022-08-15_N-SRF	2022-08-14 2022-08-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-06-15_N-SRF EV_MC2_WS_2022-08-16_N-SRF	2022-08-16	311	0.0081	0.00012	0.00019	0.104	< 0.020	< 0.000050	0.014	0.0000292	74.3	0.00019	< 0.10	< 0.00050	0.013	< 0.000050
EV_MC2	EV MC2 WS 2022-06-10 N-SRF	2022-08-16		-		- 0.00019	U.1U 4	- 0.020	- 0.000000	- 0.014	-	17.5	0.00019	- 0.10	- 0.00000	0.013	- 0.00000
EV MC2	EV MC2 WS 2022-08-17 N-SRF	2022-08-17	358	0.0071	< 0.00010	0.00019	0.104	< 0.020	< 0.000050	0.015	0.0000311	85.2	0.0002	< 0.10	< 0.00050	< 0.010	< 0.000050
EV MC2	EV MC2 WS 2022-08-18 N-SRF	2022-08-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-08-19 N SRF	2022-08-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-08-20 N-SRF	2022-08-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-21_N-SRF	2022-08-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-22_N-SRF	2022-08-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-23_N-SRF	2022-08-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022_Q3_WK2_N	2022-08-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-24_N-SRF	2022-08-24	363	0.004	0.00013	0.00018	0.106	< 0.020	< 0.000050	0.016	0.0000313	87.1	0.00018	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_MC2	EV_MC2_WS_2022-08-25_N-SRF	2022-08-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-26_N-SRF	2022-08-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-27_N-SRF	2022-08-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV MC2 WS 2022-08-28 N-SRF	2022-08-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-08-29_N-SRF EV_MC2_WS_2022-08-30_N_SRF	2022-08-29 2022-08-30	348	0.0066	0.00012	0.00024	0.133	< 0.020	< 0.000050	0.015	0.0000296	83.3	0.00017	< 0.10	< 0.00050	0.01	< 0.000050
EV MC2	EV MC2 WS 2022-06-30 N SKF	2022-08-30	540	-	-	-	-	- 0.020	- 0.000030	- 0.013	-	- 03.3		- 0.10	- 0.00030	-	- 0.000030
EV_MC2	EV MC2 WS 2022-Q3 WK3 K	2022-08-31	331	0.0048	0.00011	0.00023	0.123	< 0.020	< 0.000050	0.015	0.0000298	80.1	0.00017	< 0.10	< 0.00050	0.011	< 0.000050
EV MC2	EV MC2 WS 2022-09-01 N-SRF	2022-09-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-09-02 N-SRF	2022-09-02	-	_	-	-	_	-	-	-	_	_	_	-	_	-	-
EV MC2	EV MC2 WS 2022-09-03 N-SRF	2022-09-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-04_N-SRF	2022-09-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-05_N-SRF	2022-09-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-06_N-SRF	2022-09-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09_MON_N	2022-09-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC5_WS_2022-09_MON_N	2022-09-06	366	0.0119	0.00011	0.00022	0.126	< 0.020	< 0.000050	0.018	0.0000244	83.3	0.00014	< 0.10	< 0.00050	0.011	< 0.000050
EV_MC2	EV_MC2_WS_2022-09-07_N-SRF	2022-09-07	360	0.0061	0.00011	0.00024	0.127	< 0.020	< 0.000050	0.017	0.000022	86.1	0.00018	< 0.10	< 0.00050	0.01	< 0.000050
EV_MC2	EV_MC2_WS_SEPT-2022_N	2022-09-08	-	- 0.0000	0.00044	- 0.00000	- 0.400			- 0.045	- 0.0000000	74.0	- 0.00040	- 0.40		- 0.011	- 0.000050
EV_MC2	EV_MC2_WS_2022-09-08_N-SRF	2022-09-08	328	0.0062	0.00014	0.00032	0.123	< 0.020	< 0.000050	0.015	0.0000239	74.9	0.00016	< 0.10	< 0.00050	0.011	< 0.000050
EV_MC2 EV MC2	EV_MC2_WS_2022-09-09_N-SRF EV_MC2_WS_2022-09-09_N	2022-09-09 2022-09-09		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-09_N EV_MC2_WS_2022-09-10_N-SRF	2022-09-10	363	0.0038	0.00011	0.00025	0.108	< 0.020	< 0.000050	0.017	0.0000223	78.2	0.00016	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_MC2	EV_MC2_WS_2022-09-10_N-SRF EV_MC2_WS_2022-09-11_N-SRF	2022-09-10	-	-	-	-	-	- 0.020	- 0.000030	-	-	-	-	- 0.10	- 0.00030	- 0.010	- 0.000030
EV MC2	EV MC2 WS 2022-09-11 N-SRF	2022-09-11	-		-	-	_	_	-	-	-	_	-	-	_	_	-
EV MC2	EV MC2 WS 2022-09-13 N-SRF	2022-09-13	290	0.0038	0.00011	0.00026	0.134	< 0.020	< 0.000050	0.015	0.0000254	82.5	0.00018	< 0.10	< 0.00050	< 0.010	< 0.000050
EV MC2	EV MC2 WS 2022 Q3 WK5 N	2022-09-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_ 2022-09-14_N-SRF	2022-09-14	412	0.0054	0.00011	0.00016	0.122	< 0.020	< 0.000050	0.016	0.000036	89.3	0.00017	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_MC2	EV_MC2_WS_2022-09-15_N-SRF	2022-09-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-16_N-SRF	2022-09-16	-	=	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-17_N-SRF	2022-09-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-18_N-SRF	2022-09-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-19_N-SRF	2022-09-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-20_N-SRF	2022-09-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																	<u>-</u>

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals						
										Total Metals						
Sample Location	Sample ID	Sample Date	Hardness	Lithium	magnesium	Manganese Tal	*= 3 V IN mg/L	T/Potassium	μg/L	le ≥ ≥ S mg/L r	Sodium Strontium	mg/L	E E mg/L	Titaniu B	mg/L	SE IZI mg/L
Location	i.c	(mm/aa/yyyy)	mg/L	mg/L	mg/L	e uic	. <u>u</u>	mg/L	nic		ng/Ling/i	- mg/L	mg/L	mg/L	nic	a ic
						Acute	Chron		Chron	Acute					Chron	Acute
BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation		•														
EV_MC2	EV_MC2_WS_2022-08_MON_N	2022-08-10	-	-	-	-	-	-	14.3	-		-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-08-11_N-SRF	2022-08-11 2022-08-12	361	0.017	_	0.00215	0.00236	1.13	17.6 14.7	< 0.000010	5.18 0.19		< 0.00010	< 0.00030	0.00141	< 0.0030
EV_IVIC2 EV MC2	EV_MC2_WS_2022-08-12_N-SRF EV_MC2_WS_2022-08-13_N-SRF	2022-08-13	-	-	-	-	<u> </u>	-	14.7	-		-	-	-	-	-
EV_MC2	EV MC2 WS 2022-08-14 N-SRF	2022-08-14	-	_	-	-	-	_	16	-		_	_	_	-	-
EV MC2	EV MC2 WS 2022-08-15 N-SRF	2022-08-15	-	-	-	-	-	-	15.7	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-16_N-SRF	2022-08-16	311	0.014	31.2	0.00208	0.00163	0.984	15.7	< 0.000010	3.84 0.18	< 0.000010	< 0.00010	< 0.00030	0.0016	< 0.0030
EV_MC2	EV_MC2_WS_2022_Q3_WK1_N	2022-08-16	-	-	-	-	-	-	15.8	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_ 2022-08-17_N-SRF	2022-08-17	358	0.016	40.1	0.00212	0.00142	1.09	17.7		4.83 0.2	< 0.000010	< 0.00010	< 0.00030	0.00144	< 0.0030
EV_MC2	EV_MC2_WS_2022-08-18_N-SRF	2022-08-18	-	-	-	-	-	-	14.4	-		-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-08-19_N_SRF EV_MC2_WS_2022-08-20_N-SRF	2022-08-19 2022-08-20	-	-	-	-	-	-	15.2 17.4			-	-	-	-	-
EV MC2	EV MC2 WS 2022-08-20 N-SRF	2022-08-21	-	-	 	_			16.8	-					-	-
EV MC2	EV MC2 WS 2022-08-22 N-SRF	2022-08-22	-	-	-	-	_	-	17.2	-		_	_	_	_	-
EV_MC2	EV_MC2_WS_2022-08-23_N-SRF	2022-08-23	-	-	-	-	-	-	17.3	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022_Q3_WK2_N	2022-08-23	-	-	-	-	-	-	17.3	-		-	-	-	-	=
EV_MC2	EV_MC2_WS_2022-08-24_N-SRF	2022-08-24	363	0.018	37.6	0.00209	0.00124	1.14	18.8	< 0.000010	4.8 0.2	< 0.000010	< 0.00010	< 0.00030	0.00151	< 0.0030
EV_MC2	EV_MC2_WS_2022-08-25_N-SRF	2022-08-25	-	-	-	-	-	-	16.7	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-26_N-SRF	2022-08-26	-	-	-	-	-	-	16.6	-		-	-	-	-	=
EV_MC2 EV MC2	EV_MC2_WS_2022-08-27_N-SRF EV_MC2_WS_2022-08-28_N-SRF	2022-08-27 2022-08-28	-	-	-	-		-	17.4 15.4	-		-	-	-	-	-
EV_MC2	EV MC2 WS 2022-08-28 N-SRF	2022-08-29	-	-	 -	-	-	-	16.9	-			-	-	-	-
EV MC2	EV MC2 WS 2022-08-30 N SRF	2022-08-30	348	0.016		0.00191	0.00138	0.931	14.9		4.17 0.2	< 0.000010	< 0.00010	< 0.00030	0.00136	< 0.0030
EV MC2	EV MC2 WS 2022 Q3 WK3 N	2022-08-30	-	-	-	-	-	-	18	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-08-31_N_SRF	2022-08-31	331	0.014	35.8	0.00214	0.0014	1.07	16	< 0.000010	4.72 0.19	< 0.000010	< 0.00010	< 0.00030	0.00149	< 0.0030
EV_MC2	EV_MC2_WS_2022-09-01_N-SRF	2022-09-01	-	-	-	-	-	-	17.4	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-02_N-SRF	2022-09-02	-	-	-	-	-	-	17.5	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-03_N-SRF	2022-09-03	-	-	-	-	-	-	19.1	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-04_N-SRF	2022-09-04	-	-	-	-	-	-	18.8	-		-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-09-05_N-SRF EV_MC2_WS_2022-09-06_N-SRF	2022-09-05 2022-09-06	-	-	-	-		-	18.2 20.1			-	-	-	-	-
EV MC2	EV MC2 WS 2022-09 MON N	2022-09-06	-	-	-	-	_	-	23.3	-	- -	-	-	-	-	=
EV_MC2	EV_MC5_WS_2022-09_MON_N	2022-09-06	366	0.017	34.7	0.00215	0.00133	1.01	17.5	< 0.000010	4.23 0.18	< 0.000010	< 0.00010	< 0.00030	0.00165	< 0.0030
EV_MC2	EV_MC2_WS_2022-09-07_N-SRF	2022-09-07	360	0.016	34.2	0.00195	0.00129	0.996	17.3		4.2 0.19		< 0.00010	< 0.00030	0.00173	< 0.0030
EV_MC2	EV_MC2_WS_SEPT-2022_N	2022-09-08			-	-	-	-	19.9	-			-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-08_N-SRF	2022-09-08	328			0.00216	0.00128	1.1		< 0.000010		< 0.000010	< 0.00010	< 0.00030	0.00156	< 0.0030
EV_MC2	EV_MC2_WS_2022-09-09_N-SRF	2022-09-09	-	-	-	-	-	-	21.5	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-09_N EV_MC2_WS_2022-09-10_N-SRF	2022-09-09	- 262	- 0.015	- 24	0.00121	0.00135	1.06	20	- 0.000010			- 0.00010	- 0.00030	0.00156	< 0.0030
EV_MC2 EV MC2	EV_MC2_WS_2022-09-10_N-SRF EV_MC2_WS_2022-09-11_N-SRF	2022-09-10 2022-09-11	363	0.015	34	0.00121	0.00135	1.06	18.7 18.6	< 0.000010	4.11 0.19	< 0.000010	< 0.00010	< 0.00030	0.00156	< 0.0030
EV_MC2	EV_MC2_WS_2022-09-11_N-SRF EV_MC2_WS_2022-09-12_N-SRF	2022-09-11	+-	-	+ -	-	<u> </u>	-	18.8	-		+	-	-	-	-
EV MC2	EV MC2 WS 2022-09-12 N-SRF	2022-09-12	290			0.00185	0.00131	1.12				< 0.000010	< 0.00010	< 0.00030	0.00155	< 0.0030
EV_MC2	EV_MC2_WS_2022_Q3_WK5_N	2022-09-13	-	-	-	-	-	-	20.5	-			-	-	-	-
EV_MC2	EV_MC2_WS_ 2022-09-14_N-SRF	2022-09-14	412	0.016	39.6	0.00234	0.00154	1.14		< 0.000010	4.72 0.21	< 0.000010	< 0.00010	< 0.00030	0.00173	< 0.0030
EV_MC2	EV_MC2_WS_2022-09-15_N-SRF	2022-09-15	-	-	-	-	-	-	21	-		-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-16_N-SRF	2022-09-16	-	-	-	-	-	-	19	-		+	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-17_N-SRF	2022-09-17	-	-	-	-	-	-	18.6	-		+	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-18_N-SRF	2022-09-18	-	-	-	-	-	-	17.1	-			-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-09-19_N-SRF EV_MC2_WS_2022-09-20_N-SRF	2022-09-19 2022-09-20	-	-	-	-	-	-	19.2 18.5				-	-	-	-
E V_IVICZ	EV_IVIOZ_VV3_ZUZZ-U9-ZU_IN-3RF	2022-09-20	<u> </u>	<u> </u>			-	-	10.5		- 1 -	-	-	-	-	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

			Γ								Total Metals						
			ardness	Aluminum	ntimony	senic	arium*	aryllium*	smuth	oron	admium	alcium	nromium	obalt	ppper	ron	pee
Sample	Sample	Sample Date	Ĭ.		₹	₹	ă	8	<u> </u>	8	Ö	s.	5	ŭ	ŭ	<u> </u>	_ تـ
Location	ID ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/	/L	mg/L
						Acute	Chronic	Chronic		Chronic				Acute Chronic		Acute	Acute
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation	_					•						,					
EV_MC2	EV_MC2_WS_2022-09-21_N_SRF	2022-09-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_ 2022-09-22_N-SRF EV_MC2_WS_ 2022-09-23_N-SRF	2022-09-22 2022-09-23	-	<u>-</u>	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-23_N-SRF EV_MC2_WS_2022-09-24_N-SRF	2022-09-23	-	<u> </u>	-	-	-	-	-	-	-	_	-		-	-	-
EV MC2	EV MC2 WS 2022-09-25 N-SRF	2022-09-25	-	_	_	-	-	-	_	-	-	-	_	-	_	-	-
EV_MC2	EV_MC2_WS_2022-09-26_N-SRF	2022-09-26		-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-27_N-SRF	2022-09-27	364	0.0066	0.00013	0.0002	0.125	< 0.020	< 0.000050	0.015	0.0000258	84.5	0.00016	< 0.10	< 0.00050	0.011	< 0.000050
EV_MC2	EV_MC2_WS_2022-09-28_N-SRF	2022-09-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-29_N-SRF EV_MC2_WS_2022-09-30_N-SRF	2022-09-29 2022-09-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-09-30_N-SRF EV_MC2_WS_2022-10-01_N-SRF	2022-09-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-10-01 N-SRF	2022-10-01	-		-	-	-	_	-	-	-	-	-	_	-	_	-
EV MC2	EV MC2 WS 2022-10-03 N-SRF	2022-10-03	-	_	-	-	_	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-10-04_N-SRF	2022-10-04	387	0.0051	0.00011	0.00016	0.115	< 0.020	< 0.000050	0.013	0.0000215	90.1	0.00016	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_MC2	EV_MC2_WS_2022-10-06_N-SRF	2022-10-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-Q4_N	2022-10-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC5_WS_2022-Q4_N	2022-10-06	377 383	0.0058 0.0054	0.00011 0.00011	0.00019 0.00021	0.122	< 0.020	< 0.000050 < 0.000050	0.014 0.014	0.0000294 0.0000344	92.5 94.9	0.00014 0.00016	< 0.10 < 0.10	< 0.00050 < 0.00050	0.011	< 0.000050 < 0.000050
EV_MC2	EV_MC2_WS_2022_Q4_WK1_N EV_MC2_WS_2022-10-12_N-SRF	2022-10-11 2022-10-12	375	0.0034	0.00011	0.00021	0.12 0.125	< 0.020 < 0.020	< 0.000050	0.014	0.0000344	81	0.00016	< 0.10	< 0.00050	0.01 0.014	< 0.000050
EV MC2	EV MC2 WS 2022-10-14 N-SRF	2022-10-14	-	0.0072	< 0.00012	0.00018	0.123	< 0.020	< 0.000050	0.013	0.0000184	81.2	0.00017	< 0.10	< 0.00050	0.027	< 0.000050
EV_MC2	EV_MC2_WS_2022-10-17_N-SRF	2022-10-17	-	0.012	< 0.00010	0.0002	0.127	< 0.020	< 0.000050	0.016	0.0000314	99.2	0.0002	< 0.10	< 0.00050	0.033	< 0.000050
EV_MC2	EV_MC2_WS_2022_Q4_WK2_N		342	0.0034	0.00011	0.00013	0.113	< 0.020	< 0.000050	0.014	0.000033	86.5	0.00015	< 0.10	< 0.00050	0.01	< 0.000050
EV_MC2	EV_MC2_WS_2022-10-19_N-SRF	2022-10-19	392	< 0.0030	< 0.00010	0.00011	0.105	< 0.020	< 0.000050	0.014	0.000017	83.1	0.00017	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_MC2	EV_MC2_WS_2022-10-24_N-SRF	2022-10-24	-	0.0034	< 0.00010	0.00021	0.111	< 0.020	< 0.000050	0.014	0.0000373	86.6	0.00011	< 0.10 < 0.10	0.0007	0.012	0.000104 < 0.000050
EV_MC2 EV MC2	EV_MC2_WS_2022_Q4_WK3_N EV_MC2_WS_2022-10-26_N-SRF	2022-10-25 2022-10-26	330	0.0055 0.0041	< 0.00010 < 0.00010	0.0002 0.00015	0.106 0.12	< 0.020 < 0.020	< 0.000050 < 0.000050	0.014	0.0000202 0.0000149	84.1 83	0.00016 0.00019	< 0.10	< 0.00050 < 0.00050	0.019 < 0.010	< 0.000050
EV MC2	EV MC2 WS 2022-10-26 N SRF	2022-10-28	-	0.0053	< 0.00010	0.00013	0.12	< 0.020	< 0.000050	0.013	0.0000149	73.4	0.00015	< 0.10	< 0.00050	0.017	< 0.000050
EV MC2	EV MC2 WS 2022-10-31 N-SRF	2022-10-31	-	0.0058	< 0.00010	0.00015	0.107	< 0.020	< 0.000050	0.014	0.0000258	90.2	0.00019	< 0.10	< 0.00050	0.021	0.000064
EV_MC2	EV_MC2_WS_2022_Q4_WK4_N	2022-11-01	316	0.0269	< 0.00010	0.0002	0.102	< 0.020	< 0.000050	0.013	0.0000259	76.3	0.00017	< 0.10	< 0.00050	0.022	< 0.000050
EV_MC2	EV_MC2_WS_2022_Q4_WK5_N	2022-11-08	242	0.16	0.00012	0.00023	0.109	< 0.020	< 0.000050	0.012	0.0000421	59.9	0.00032	0.00012	0.00058	0.14	0.000122
EV_MC2	EV_MC2_WS_2022-11-14_N-SRF	2022-11-14	355	0.0041	0.00011	0.00016	0.118	< 0.020	< 0.000050	0.015	0.000022	86	0.00017	< 0.10	< 0.00050	0.012	< 0.000050
EV_MC2 EV MC2	EV_MC2_WS_2022-11_MON_N EV_MC5_WS_2022-11_MON_N	2022-11-14 2022-11-14	352 369	0.0067 0.0042	0.00011 0.00011	0.00016 0.00017	0.117 0.112	< 0.020 < 0.020	< 0.000050 < 0.000050	0.014 0.015	0.0000282 0.0000312	83 86	0.00016 0.0002	< 0.10 < 0.10	< 0.00050 < 0.00050	< 0.010 < 0.010	< 0.000050 < 0.000050
EV_MC2	EV_MC5_WS_2022-11_MON_N EV_MC2_WS_2022-11-28_N-SRF	2022-11-14	368	0.0042	0.00011	0.00017	0.112	< 0.020	< 0.000050	0.015	0.0000312	88	0.0002	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_MC2	EV_MC2_WS_2022-11_20_N-0N_N	2022-11-26	371	0.0036	< 0.0001	0.00014	0.106	< 0.020	< 0.000050	0.014	0.0000243	86	0.00017	< 0.10	< 0.00050	0.011	< 0.000050
EV_MC2	EV_MC2_WS_2022-12-12_N-SRF		398	0.007	< 0.00010	0.00015	0.112	< 0.020	< 0.000050	0.015	0.000028	88.2	0.00014	< 0.10	< 0.00050	0.01	< 0.000050
EV_MC2	EV_MC2_WS_2022-12-27_N-SRF		363	0.0068	0.0001	0.00016	0.12	< 0.020	< 0.000050	0.014	0.0000258	91.3	0.00017	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_OC1	EV_OC1_WS_2022-Q1_N		365	0.0088	0.0001	0.00019	0.114	< 0.020	< 0.000050	0.014	0.0000336	80.4	0.00019	< 0.10	< 0.00050	0.011	< 0.000050
EV_OC1 EV OC1	EV_OC1_WS_2022-02_MON_N EV_OC1_WS_2022-03_MON_N		406 417	0.0284	0.00011 < 0.00010	0.00058 0.00048	0.42 0.464	< 0.020 < 0.020	< 0.000050 < 0.000050	0.066 0.075	0.0000114 0.0000076	98.3 105	0.0001 0.00028	0.00021 0.00018	0.00064 < 0.00050	0.351 0.211	0.000051 < 0.000050
EV_OC1	EV OC1 WS 2022-03 MON N	2022-03-16	328	0.0099	0.00010	0.00048	0.464	< 0.020	< 0.000050	0.075	0.0000076	76.3	0.00028	0.00018	0.00056	0.494	0.000119
EV OC1	EV OC1 WS 2022-03 WEK14 N	2022-03-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-04_WEK15_N	2022-04-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-Q2_N	2022-04-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-04_WEK17_N		382	0.0135	0.00018	0.00055	0.295	< 0.020	< 0.000050	0.073	0.0000166	107	< 0.00010	0.00018	< 0.00050	0.405	< 0.000050
EV_OC1 EV OC1	EV_OC1_WS_2022-04_WEK18_N	2022-04-26 2022-05-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-05_MON_N EV_OC1_WS_2022-05_WEK20_N		385	0.0538	0.00017	0.00072	0.364	< 0.020	< 0.000050	0.072	0.000014	97	< 0.00010	0.00017	< 0.00050	0.543	0.000052
EV_OC1	EV OC1 WS 2022-05 WEK20 N	2022-05-11	-	-	0.00017	-	-	- 0.020	- 0.000030	-		-	- 0.00010	-	- 0.00030	- 0.343	-
EV_OC1	EV OC1 WS 2022-05 WEK22 N	2022-05-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		,			1		1	1	1		1	1		1	1	1	<u> </u>

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

^a Guideline varies with hardness

^b Guideline varies with pH and water temperature

^c Guideline varies with chloride

^d Guideline varies with pH

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals						
Sample	Sample	Sample Date	Hardness	Lithium	Magnesium	Manganese	Nickel*	Potassium	Selenium	Silver	Strontium	Thallium	ř	Titanium	Uranium*	Zinc
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L mg/Lr	ng/L	mg/L	mg/L	mg/L	mg/L	mg/L
						Acute Chronic	Chronic		Chronic	Acute Chronic					Chronic	Acute Chronic
BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation	EV MC2 WS 2022-09-21 N SRF	2022 00 24		1	Τ.	- 1		_	40.5	T - T-T	-	_				_
EV_MC2 EV MC2	EV_MC2_WS_2022-09-21_N_SRF EV_MC2_WS_2022-09-22_N-SRF	2022-09-21 2022-09-22	-	-	-	-	<u> </u>	-	18.5 20.1		-	-	-	-	-	-
EV_MC2	EV MC2 WS 2022-09-22 N-SRF	2022-09-22	-	-	+	-			19.5		-	-		-	-	-
EV MC2	EV MC2 WS 2022-09-24 N-SRF	2022-09-24	-	-	-	-	-	-	14.7		-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-25_N-SRF	2022-09-25		-	-	-	-	-	17.8			-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-26_N-SRF	2022-09-26	-	-	-	-	-	-	17.8		-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-27_N-SRF	2022-09-27	364	0.016	40.9	0.00186	0.00181	1.16	19.9	< 0.000010 4.69	0.2	< 0.000010	< 0.00010	< 0.00030	0.0018	< 0.0030
EV_MC2	EV_MC2_WS_2022-09-28_N-SRF	2022-09-28	-	-	-	-	-	-	20.6		-	-	-	-	-	-
EV_MC2	EV_MC2_WS_2022-09-29_N-SRF	2022-09-29	-	-	-	-	-	-	20.4		-	-	-	-	-	-
EV_MC2 EV MC2	EV_MC2_WS_2022-09-30_N-SRF EV_MC2_WS_2022-10-01_N-SRF	2022-09-30 2022-10-01	-	-	-	-	-	-	20.1 17.5		-	-	-	-	-	-
EV_MC2 EV MC2	EV MC2 WS 2022-10-01 N-SRF EV MC2 WS 2022-10-02 N-SRF	2022-10-01	-	-	-	-	-	-	17.5		-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-10-02 N-SRF	2022-10-02	-	-	+ -	_			21.7	- + -	-		-	-		_
EV MC2	EV MC2 WS 2022-10-03 N-SRF	2022-10-03	387	0.015	39	0.00164	0.00099	1.11	21.3	< 0.000010 4.46	0.2	< 0.000010	< 0.00010	< 0.00030	0.00172	< 0.0030
EV MC2	EV MC2 WS 2022-10-06 N-SRF	2022-10-06	-	-	-	-	-	-	23.4		-	-	-	-	-	-
EV MC2	EV MC2 WS 2022-Q4 N	2022-10-06	-	-	-	-	-	-	24.9		-	-	-	-	-	-
EV_MC2	EV_MC5_WS_2022-Q4_N	2022-10-06	377	0.016	42.6	0.00224	0.00164	1.22	23	< 0.000010 4.4	0.22	< 0.000010	< 0.00010	< 0.00030	0.00198	< 0.0030
EV_MC2	EV_MC2_WS_2022_Q4_WK1_N	2022-10-11	383	0.016	42.6	0.00217	0.00173	1.22	22.1	< 0.000010 4.23	0.22	< 0.000010	< 0.00010	< 0.00030	0.0019	< 0.0030
EV_MC2	EV_MC2_WS_2022-10-12_N-SRF	2022-10-12	375	0.018	39.8	0.00238	0.00149	1.21		< 0.000010 4.66			< 0.00010	< 0.00030	0.00169	< 0.0030
EV_MC2	EV_MC2_WS_2022-10-14_N-SRF	2022-10-14	-	0.014	33.9	0.00211	0.00116	1.02	13.9	< 0.000010 3.81			< 0.00010	< 0.00030	0.0017	< 0.0030
EV_MC2	EV_MC2_WS_2022-10-17_N-SRF	2022-10-17	-	0.017	41.2	0.00401	0.00204	1.2	17	< 0.000010 4.7	_		< 0.00010	< 0.00030	0.00192	< 0.0030
EV_MC2	EV_MC2_WS_2022_Q4_WK2_N	2022-10-18	342	0.019	38.7	0.0021	0.00149	1.18		< 0.000010 4.83		< 0.000010	< 0.00010	< 0.00030	0.00163	< 0.0030
EV_MC2	EV_MC2_WS_2022-10-19_N-SRF	2022-10-19	392	0.017	34.6	0.0019	0.0013	0.966	16.5	< 0.000010 3.97		< 0.000010	< 0.00010	< 0.00030	0.00169	< 0.0030
EV_MC2 EV MC2	EV_MC2_WS_2022-10-24_N-SRF EV_MC2_WS_2022_Q4_WK3_N	2022-10-24 2022-10-25	-	0.017	39.4 34.4	0.00185 0.00224	0.00146 0.00133	1.07 1.02	14.8 14.7	< 0.000010 4.64 < 0.000010 4.62		0.000013 < 0.000010	< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00166 0.00153	< 0.0030 < 0.0030
EV_MC2	EV MC2 WS 2022 Q4 WK5 N EV MC2 WS 2022-10-26 N-SRF	2022-10-25	330	0.013	35.9	0.00224	0.00138	1.02	13.6	< 0.000010 4.02		< 0.000010	< 0.00010	< 0.00030	0.00155	< 0.0030
EV MC2	EV MC2 WS 2022-10-28 N SRF	2022-10-28	-	0.014	30	0.00270	0.00138	0.901	12.4	< 0.000010 4.53		< 0.000010	< 0.00010	< 0.00030	0.00133	< 0.0030
EV_MC2	EV MC2 WS 2022-10-20 N_SKI	2022-10-20		0.015	36.2	0.00238	0.00113	1.07	14.4	< 0.000010 3.00		< 0.000010	< 0.00010	< 0.00030	0.00137	< 0.0030
EV MC2	EV MC2 WS 2022 Q4 WK4 N	2022-11-01	316	0.013	31.1	0.00211	0.00138	0.96	11.1	< 0.000010 3.72	_		< 0.00010	0.00042	0.00146	0.0033
EV MC2	EV MC2 WS 2022 Q4 WK5 N	2022-11-08		0.009	26.4	0.0055	0.00158	0.976	6.64	< 0.000010 3.95			< 0.00010	0.00299	0.00112	< 0.0030
EV_MC2	EV_MC2_WS_2022-11-14_N-SRF	2022-11-14			38.2	0.0031	0.00168	1.04	14	< 0.000010 4.49		< 0.000010	< 0.00010	< 0.00030	0.00176	< 0.0030
EV_MC2	EV_MC2_WS_2022-11_MON_N	2022-11-14	352	0.021	40.2	0.00221	0.00209	1.16	16.4	< 0.000010 4.72	0.21	< 0.000010	< 0.00010	< 0.00030	0.00191	0.0039
EV_MC2	EV_MC5_WS_2022-11_MON_N	2022-11-14	369	0.02	38.8	0.00227	0.00212	1.13	16.8	< 0.000010 5.02		< 0.000010	< 0.00010	< 0.00030	0.00182	< 0.0030
EV_MC2	EV_MC2_WS_2022-11-28_N-SRF	2022-11-28	368	0.02	39.4	0.00212	0.00223	1.14	15.7	< 0.000010 5.08		< 0.000010	< 0.00010	< 0.00030	0.00183	< 0.0030
EV_MC2	EV_MC2_WS_2022-12_MON_N	2022-12-06				0.00214		1.17				< 0.000010				< 0.0030
EV_MC2	EV_MC2_WS_2022-12-12_N-SRF	2022-12-12				0.00183	0.00238		14.4			< 0.000010	< 0.00010			< 0.0030
EV_MC2	EV_MC2_WS_2022-12-27_N-SRF	2022-12-27 2022-01-05				0.00221 0.00211	0.00286	1.2				< 0.000010 < 0.000010	< 0.00010	< 0.00030	0.00209	< 0.0030 0.0438
EV_OC1 EV OC1	EV_OC1_WS_2022-Q1_N EV_OC1_WS_2022-02_MON_N			0.016		0.00211 0.148	0.00245 0.00165	1.19 2.62				< 0.000010	< 0.00010 0.00016	< 0.00030 0.00059	0.00181 0.0006	< 0.0438
EV_OC1	EV_OC1_WS_2022-02_MON_N EV_OC1_WS_2022-03_MON_N	2022-02-07		0.049	41	0.116	0.00165	2.75				< 0.000010	< 0.00010	< 0.00039	0.000541	< 0.0030
EV OC1	EV OC1 WS 2022-03 WEK13 N	2022-03-10		0.041		0.0908	0.00139	2.14				< 0.000010	< 0.00010	0.00234	0.000541	< 0.0030
EV OC1	EV OC1 WS 2022-03 WEK14 N	2022-03-28	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-04_WEK15_N	2022-04-04	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-Q2_N	2022-04-12	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-04_WEK17_N	2022-04-18		0.049	41.1	0.0684	0.00163	2.64	2.06	< 0.000010 25.7	0.84	< 0.000010	< 0.00010	< 0.00030	0.000877	< 0.0030
EV_OC1	EV_OC1_WS_2022-04_WEK18_N	2022-04-26	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-05_MON_N	2022-05-03	-	-	-	-	-	-	-		-	-	-	-	-	
EV_OC1	EV_OC1_WS_2022-05_WEK20_N	2022-05-11	385		+	0.0941	0.0014	2.48		< 0.000010 24.4			< 0.00010	< 0.00150	0.000738	< 0.0030
EV_OC1	EV_OC1_WS_2022-05_WEK21_N	2022-05-16	-	-	-	-	-	-	-		-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-05_WEK22_N	2022-05-24	-	-	-	-	-	-	-		-	-	-	-	-	-

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						1
											Total Metals						
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Sample Location	Sample ID	Sample Date (mm/dd/yyyy)	т /'	<u>∢</u> mg/L	⋖	⋖	<u> </u>	<u>ŏ</u>	<u>iā</u>				の mg/L	mg/L	0		mg/L
Location	ID	(IIIII/dd/yyyy)	IIIg/L	IIIg/L	mg/L	mg/L	mg/L	mg/L ပ္	mg/L	mg/L	mg/L	mg/L	IIIg/L		mg	/L	
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BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Elkview Operation												1					
EV_OC1	EV_OC1_WS_2022-05_WEK23_N	2022-05-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-06_MON_N	2022-06-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-06_WEK25_N	2022-06-13	360	0.0252	0.00013	0.00061	0.362	< 0.020	< 0.000050	0.072	0.0000073	93.2	< 0.00010	0.00011	0.00052	0.488	< 0.000050
EV_OC1	EV_OC1_WS_2022-06_WEK26_N	2022-06-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-06_WEK27_N	2022-06-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1 EV OC1	EV_OC1_WS_2022-Q3_N EV_OC1_WS_2022-07_WEK29_N	2022-07-06 2022-07-11	354	0.0223	0.00011	0.0007	0.314	< 0.020	< 0.000050	0.063	0.0000053	84.2	< 0.00010	0.00011	< 0.00050	0.362	< 0.000050
EV_OC1	EV OC1 WS 2022-07 WER29 N	2022-07-11	354	-	0.00011	0.0007	0.314	< 0.020	< 0.000050	0.063	0.0000053	04.2	< 0.00010	0.00011	< 0.00050	0.302	< 0.000050
EV_OC1	EV OC1 WS 2022-08 MON N	2022-09-07	306	0.0851	< 0.00010	0.00122	0.34	0.000026	< 0.000050	0.063	0.0000285	59.5	0.0002	0.00026	< 0.00050	1.1	0.000214
EV OC1	EV OC1 WS 2022-Q4 N	2022-09-07	295	0.0031	< 0.00010	0.000122	0.414	< 0.020	< 0.000050	0.003	0.0000283	67.4	< 0.0002	< 0.10	< 0.00050	0.592	< 0.000214
EV_OC1	EV OC1 WS 2022-Q4 N	2022-10-07	316	0.0232	< 0.00010	0.00063	0.414	< 0.020	< 0.000050	0.059	< 0.0050	69.9	< 0.00010	< 0.10	< 0.00050	0.56	< 0.000050
EV_OCT	EV SP1 WS 2022-Q1 N	2022-11-09	364	0.0094	< 0.00010	0.00002	0.486	< 0.020	< 0.000050	0.056	0.000006	87.7	< 0.00010	< 0.10	< 0.00050	0.378	< 0.000050
EV SP1	EV SP1 WS 2022-02 MON N	2022-01-17	956	< 0.0030	0.00063	0.00041	0.0108	< 0.020	< 0.000050	0.041	0.001	178	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV SP1	EV SP1 WS 2022-03 MON N	2022-02-10	978	< 0.0030	0.00069	0.00012	0.0112	< 0.020	< 0.000050	0.046	0.000965	198	0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV SP1	EV SP1 WS 2022-03 WEK13 N	2022-03-22	983	0.0045	0.00065	< 0.00010	0.0107	< 0.020	< 0.000050	0.043	0.000904	186	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV SP1	EV SP1 WS 2022-03 WEK14 N	2022-03-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV SP1	EV SP1 WS 2022-04 WEK15 N	2022-04-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-Q2_N	2022-04-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-04_WEK17_N	2022-04-20	823	0.0048	0.00067	0.00012	0.0122	< 0.020	< 0.000050	0.045	0.00078	173	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_SP1	EV_SP1_WS_2022-04_WEK18_N	2022-04-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-05-MON_N	2022-05-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-05_WEK20_N	2022-05-10	948	< 0.0030	0.00064	< 0.00010	0.0114	< 0.020	< 0.000050	0.043	0.00102	192	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_SP1	EV_SP1_WS_2022-05_WEK21_N	2022-05-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-05_WEK22_N	2022-05-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	=
EV_SP1	EV_SP1_WS_2022-05_WEK23_N	2022-05-31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-06_MON_N	2022-06-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-06_WEK25_N	2022-06-15	983	< 0.0030	0.00062	< 0.00010	0.0103	< 0.020	< 0.000050	0.045	0.00103	179	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_SP1	EV_SP1_WS_2022-06_WEK26_N	2022-06-23	-	-	-	-	-	-	-	-	-	-	 -	-	-	-	=
EV_SP1	EV_SP1_WS_2022-06_WEK27_N	2022-06-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	=
EV_SP1 EV SP1	EV_SP1_WS_2022-Q3_N	2022-07-06	- 004	0.0072	0.00064	0.00013	0.0105	< 0.020	< 0.000050	0.048	0.000969	- 170	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_SP1	EV_SP1_WS_2022-07_WEK29_N EV_SP1_WS_2022-08_MON_N	2022-07-13 2022-08-09	904	0.0072	0.00064	0.00013	0.0105	< 0.020	< 0.000050	0.048	0.000969	170	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_SP1	EV_SP1_WS_2022-08_MON_N EV_SP1_WS_SESMP_2022_08_N	2022-08-09	974	0.0036	0.00074	0.00019	0.0117	< 0.020	< 0.000050	0.066	0.00116	187	0.00014	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_SP1	EV SP1 WS 2022-09 MON NP	2022-09-08	984	0.0059	0.00074	0.00019	0.0117	< 0.020	< 0.000050	0.066	0.00118	192	< 0.00014	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_SP1	EV SP1 WS 2022-Q4 N	2022-09-08	1080	0.0059	0.00069	0.00011	0.0114	< 0.020	< 0.000050	0.064	0.00118	206	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV_SP1	EV SP1 WS 2022-Q4 N	2022-10-04	1020	0.0130	0.0003	< 0.00012	0.014	< 0.020	< 0.000050	0.004	0.00128	214	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
EV TC1	EV TC1 WS 2022-03 MON N	2022-11-13	1120	< 0.0043	0.00077	< 0.00010	0.0129	< 0.020	< 0.000100	0.063	0.00102	214	< 0.00010	< 0.20	< 0.00100	< 0.010	< 0.000000
EV TC1	EV TC1 WS 2022-Q2 N	2022-04-13	232	0.0195	0.00039	0.00028	0.062	< 0.020	< 0.000050	< 0.010	0.0000946	56	< 0.00010	< 0.10	0.00072	0.013	< 0.000050
EV TC1	EV TC1 WS 2022-05 MON N	2022-05-03	218	0.007	0.00033	0.00028	0.0638	< 0.020	< 0.000050	< 0.010	0.0000883	56.6	< 0.00010	< 0.10	0.00056	< 0.010	< 0.000050
EV TC1	EV TC1 WS 2022-06 MON N	2022-06-06	192	0.0212	0.00028	0.00025	0.0487	< 0.020	< 0.000050	< 0.010	0.000126	48	< 0.00010	< 0.10	0.00066	0.016	< 0.000050
EV_TC1	EV_TC1_WS_2022_Q3_N	2022-07-05	227	0.0078	0.00033	0.00023	0.0639	< 0.020	< 0.000050	< 0.010	0.000118	48.4	< 0.00010	< 0.10	0.0005	< 0.010	< 0.000050
	 																

Denotes concentration less than indicated detection limitDenotes analysis not conducted

n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals							
Sample	Sample ID	Sample Date	Hardness	Lithium	Magnesium	Manganese	Nickel*	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Ë	Titanium	Uranium*	Zinc
Location	ID ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L ບ	mg/L			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L ບ	mg/L
						Acute	Chronic		Chronic	Acute						Chronic	Acute
BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Elkview Operation	1						•							1	1		т
EV_OC1	EV_OC1_WS_2022-05_WEK23_N	2022-05-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_OC1	EV_OC1_WS_2022-06_MON_N	2022-06-07	-	- 0.044	-	- 0.007	- 0.0000	-	- 0.004	- 0.000010	-	- 70	- 0.00004		- 0.0000	-	- 0.0020
EV_OC1 EV OC1	EV_OC1_WS_2022-06_WEK25_N EV_OC1_WS_2022-06_WEK26_N	2022-06-13 2022-06-21	360	0.044	39.7	0.0607	0.00096	2.29	0.804	< 0.000010	19.8	0.72	0.00001	< 0.00010	0.00032	0.000586	< 0.0030
EV_OC1	EV_OC1_WS_2022-06_WER26_N EV_OC1_WS_2022-06_WER27_N	2022-06-21	-	-	-	-	-	-	-	-	-	-	<u>-</u>	-	-	-	-
EV_OC1	EV OC1 WS 2022-06 WER27 N	2022-06-27	-	-	-		-	-	-		-	-	<u> </u>	-	-	-	t
EV_OC1	EV OC1 WS 2022-Q3_N EV OC1 WS 2022-07 WEK29 N	2022-07-00	354		34.5	0.053	0.00118	1.72	0.749	< 0.000010	17.5		< 0.000010	< 0.00010	0.00041	0.000499	< 0.0030
EV_OC1	EV OC1 WS 2022-07 WERZS IV	2022-08-10	-	0.007	-	-	0.00110	1.72	0.743		-	0.01	- 0.000010	- 0.00010	0.00041	0.000433	
EV OC1	EV OC1 WS 2022-09 MON N	2022-00-10	306		37	0.18	0.00221	1.92	0.441	< 0.000010	17.1	0.5	0.000024	< 0.00010	0.00107	0.000418	0.0035
EV OC1	EV OC1 WS 2022-Q4 N	2022-10-07	295		40.6	0.0576	0.00115	2.17	0.368	< 0.000010	15.7		< 0.000010	< 0.00010	< 0.00030	0.000352	< 0.0030
EV OC1	EV OC1 WS 2022-11 MON N	2022-11-09	316		34.1	0.0338	0.00093	2.77	0.296	< 0.000010		0.51	< 0.000010	< 0.00010	< 0.00030	0.000343	< 0.0030
EV SP1	EV SP1 WS 2022-Q1 N	2022-01-17	364		38	0.0512	0.00118	3.35	0.626	< 0.000010	16.6		< 0.000010	< 0.00010	< 0.00030	0.000442	< 0.0030
EV SP1	EV SP1 WS 2022-02 MON N	2022-02-16	956		125	0.00036	0.0192	3.94	139	< 0.000010	1.12	0.12	0.000129	< 0.00010	< 0.00030	0.0097	0.0285
EV SP1	EV SP1 WS 2022-03 MON N	2022-03-17	978		140	0.00024	0.0207	4.21	156	< 0.000010	1.22		0.000137	< 0.00010	< 0.00030	0.0104	0.0288
EV_SP1	EV_SP1_WS_2022-03_WEK13_N	2022-03-22	983	0.041	132	0.00062	0.018	3.98	146	< 0.000010	1.24	0.12	0.000134	< 0.00010	< 0.00030	0.00991	0.0269
EV_SP1	EV_SP1_WS_2022-03_WEK14_N	2022-03-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-04_WEK15_N	2022-04-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-Q2_N	2022-04-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-04_WEK17_N	2022-04-20	823	0.041	115	0.00051	0.0172	3.59	179	< 0.000010	1.13	0.12	0.000117	< 0.00010	< 0.00030	0.00825	0.029
EV_SP1	EV_SP1_WS_2022-04_WEK18_N	2022-04-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-05-MON_N	2022-05-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-05_WEK20_N	2022-05-10	948	0.042	135	0.00036	0.0216	4.06	174	< 0.000010	1.29	0.12	0.000126	< 0.00010	< 0.00030	0.00981	0.0354
EV_SP1	EV_SP1_WS_2022-05_WEK21_N	2022-05-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-05_WEK22_N	2022-05-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-05_WEK23_N	2022-05-31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SP1	EV_SP1_WS_2022-06_MON_N	2022-06-06	-	-	- 400	-	- 0.0004	-	- 440		- 4.40	- 0.40	- 0.000400	-	-	-	0.0365
EV_SP1 EV_SP1	EV_SP1_WS_2022-06_WEK25_N EV_SP1_WS_2022-06_WEK26_N	2022-06-15 2022-06-23	983	0.041	130	0.00031	0.0221	3.8	143	< 0.000010	1.16	0.12	0.000122	< 0.00010	< 0.00030	0.00981	
EV_SP1	EV SP1 WS 2022-06 WEK27 N	2022-06-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EV_SF1	EV SP1 WS 2022-00 WER27 N	2022-00-29	-	-	-	<u> </u>			-	-	-	-	<u>-</u>	-	-		-
EV_SF1	EV_SP1_WS_2022-QS_N EV_SP1_WS_2022-07_WEK29_N	2022-07-00	904	0.039	110	0.00052	0.0208	3.82	140		1.11		0.000127	< 0.00010	< 0.00030	0.0083	0.0328
EV_SP1	EV SP1 WS 2022-08 MON N	2022-07-13	-	-	-	-	-	-	-	-	-	-	-	- 0.00010	-	-	-
EV SP1	EV SP1 WS SESMP 2022 08 N	2022-08-15	974		131	0.00069	0.0261	4.6	138		1.26		0.000188	< 0.00010	< 0.00030	0.00978	0.0383
EV SP1	EV SP1 WS 2022-09 MON NP	2022-09-08	984	0.04	132	0.00089	0.0252	4.51	128	< 0.000010	1.28	-	0.000163	< 0.00010	< 0.00030	0.00919	0.0335
EV_SP1	EV_SP1_WS_2022-Q4_N	2022-10-04	1080		149	0.00051	0.0264	4.54	142	< 0.000010	1.31		0.000171	< 0.00010	< 0.00030	0.0104	0.0308
EV_SP1	EV_SP1_WS_2022-11_MON_N	2022-11-15	1020	0.046	149	0.00079	0.0258	4.83	157	< 0.000010	1.39	0.14	0.000172	< 0.00010	< 0.00030	0.0101	0.0282
EV_TC1	EV_TC1_WS_2022-03_MON_N	2022-03-29	1120	0.047	150	0.00075	0.0246	4.84	138	< 0.000020	1.42	0.13	0.0002	< 0.00020	< 0.00060	0.0107	0.0377
EV_TC1	EV_TC1_WS_2022-Q2_N	2022-04-13	232	0.001	26.4	0.00037	0.0031	0.84	9.7	< 0.000010	0.81	0.05	0.000012	< 0.00010	0.00044	0.000818	< 0.0030
EV_TC1	EV_TC1_WS_2022-05_MON_N	2022-05-03	218	0.002	24.5	0.00019	0.00286	0.791	11.2	< 0.000010	0.81	0.05	< 0.000010	< 0.00010	< 0.00030	0.00088	< 0.0030
EV_TC1	EV_TC1_WS_2022-06_MON_N	2022-06-06		0.001	21	0.00058	0.00344	0.688			0.61		0.000012	< 0.00010	0.00054	0.000833	< 0.0030
EV_TC1	EV_TC1_WS_2022_Q3_N	2022-07-05	227	0.001	24.1	0.00026	0.00327	0.876	8.11	< 0.000010	0.72	0.05	< 0.000010	< 0.00010	< 0.00030	0.000826	< 0.0030

Denotes concentration less than indicated detection limitDenotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						
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			ess	בַּ	l o	<u>.0</u>	*=	ryllium*	£		dmium	E	omium	.	<u>.</u>		
			ᇣ	Ē	Ē	u e	Ę	₹	Ē	ē	Ē	<u>C</u> in	Į ē	obalt	eddo;	_	DE C
Sample	Sample	Sample Date	포	₽	Ā	Å	Bal	Be	Bis	B	Čä	Cal	ទី	ပိ	ဒိ	<u>ē</u>	Lead
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg	/L	mg/L
						ο .	п	nic Si		nic				a Si		Φ	nic l
						cute	5 L	P.		Chro				Acute Chronic		crt	hro lut
				_	_	Ā	<u>5</u>	<u>ნ</u>	_			_			_	ď	S S
BC WQG FWAL			n/a	n/a	n/a	0.005	11	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Fording River Operation FR CC1	FR CC1 2022-01-04 N	2022-01-04	T -	_	1 _	1 _ 1		_		_	_			_	_	_	
FR CC1	FR CC1 2022-01-06 N	2022-01-04	1560	< 0.0060	0.00079	< 0.00020	0.0305	< 0.040	< 0.000100	0.034	0.000698	325	< 0.00020	0.00021	< 0.00100	< 0.020	< 0.000100
FR_CC1	FR_CC1_2022-01-12_N	2022-01-12	1510	< 0.0060	0.00081	< 0.00020	0.0308	< 0.040	< 0.000100	0.035	0.000709	324	< 0.00020	0.0002	< 0.00100	< 0.020	< 0.000100
FR_CC1	FR_CC1_2022-01-17_N	2022-01-17	1450	< 0.0060	0.00079	< 0.00020	0.0308	< 0.040	< 0.000100	0.032	0.000659	355	< 0.00020	0.00028	< 0.00100	< 0.020	< 0.000100
FR_CC1	FR_CC1_2022-01-24_N	2022-01-24	1500	< 0.0060	0.00077	< 0.00020	0.0308	< 0.040	< 0.000100	0.032	0.00067	330	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.000100
FR_CC1 FR_CC1	FR_CC1_2022-01-31_N FR_CC1_2022-02-07_N	2022-01-31	1480 1470	< 0.0060 < 0.0060	0.00079 0.00076	< 0.00020 < 0.00020	0.0292	< 0.040 < 0.040	< 0.000100 < 0.000100	0.034	0.000673 0.00072	313 339	< 0.00020 < 0.00020	< 0.20 0.00022	< 0.00100 < 0.00100	< 0.020 < 0.020	< 0.000100 < 0.000100
FR_CC1	FR_CC1_2022-02-07_N FR_CC1_2022-02-14_N	2022-02-07	1450	< 0.0060	0.00076	< 0.00020	0.0329	< 0.040	< 0.000100	0.034	0.00072	322	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.000100
FR_CC1	FR_CC1_2022-02-21_N	2022-02-21	1460	0.0094	0.00071	< 0.00020	0.0295	< 0.040	< 0.000100	0.031	0.000653	310	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.000100
FR_CC1	FR_CC1_2022-03-01_N	2022-03-01	1520	0.008	0.00074	0.00013	0.0301	< 0.020	< 0.000050	0.036	0.000667	333	< 0.00010	0.00019	< 0.00050	< 0.010	< 0.000050
FR_CC1	FR_CC1_2022-03-07_N	2022-03-07	1600	< 0.0060	0.00083	< 0.00020	0.0353	< 0.040	< 0.000100	0.034	0.00066	348	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.000100
FR_CC1 FR_CC1	FR_CC1_2022-03-14_N FR_CC1_2022-03-21_N	2022-03-14	1510 1320	0.0043 0.0063	0.00072 0.00085	< 0.00010 < 0.00020	0.0296 0.0324	< 0.020 < 0.040	< 0.000050 < 0.000100	0.033 0.036	0.000624 0.000716	320 356	0.00014 < 0.00020	0.00018 < 0.20	< 0.00050 < 0.00100	< 0.010 < 0.020	< 0.000050 < 0.000100
FR_CC1	FR_CC1_2022-03-21_N FR_CC1_2022-03-28_N	2022-03-21	1440	0.0003	0.00083	< 0.00020	0.0324	< 0.040	< 0.000100	0.033	0.000718	307	< 0.00020	0.00021	< 0.00100	0.026	0.000100
FR CC1	FR CC1 2022 04 06 N	2022-04-06	1460	0.0363	0.00073	0.00015	0.0288	< 0.020	< 0.000050	0.033	0.000604	334	< 0.00010	0.00023	< 0.00050	0.03	0.00006
FR_CC1	FR_CC1_2022-04-11_N	2022-04-11	750	0.0066	0.00046	0.00011	0.013	< 0.020	< 0.000050	0.021	0.0003675	156.525	< 0.00010	0.000185	< 0.00050	< 0.010	< 0.000050
FR_CC1	FR_CC1_2022-04-13_N	2022-04-13	1460	0.009	0.0008	0.0002	0.0227	< 0.020	< 0.000050	0.034	0.000812	302	0.0001	0.00036	< 0.00050	0.016	< 0.000050
FR_CC1	FR_CC1_2022-04-18_N	2022-04-18	1460	0.009	0.0008	0.0002	0.0227	< 0.020	< 0.000050	0.034	0.000812	302	0.0001	0.00036	< 0.00050	0.016	< 0.000050
FR_CC1 FR_CC1	FR_CC1_2022-04-25_N FR_CC1_2022-05-02_N	2022-04-25	1310 1260	0.0057 0.0058	0.00085 0.00085	0.00013 0.00012	0.021	< 0.020 < 0.020	< 0.000050 < 0.000050	0.034 0.032	0.000772 0.000671	302 268	< 0.00010 0.00012	0.00034 0.00027	< 0.00050 < 0.00050	< 0.010 < 0.010	< 0.000050 < 0.000050
FR CC1	FR CC1 2022-05-06 N	2022-05-02	1270	0.0074	0.00089	0.00012	0.0207	< 0.020	< 0.000050	0.034	0.000611	268	0.00012	0.00027	< 0.00050	< 0.010	< 0.000050
FR_CC1	FR_CC1_2022-05-07_N	2022-05-07	1240	0.0092	0.00087	0.00015	0.0206	< 0.020	< 0.000050	0.035	0.00064	254	< 0.00010	0.00033	0.00058	0.013	< 0.000050
FR_CC1	FR_CC1_2022-05-08_N	2022-05-08	1140	0.0056	0.0008	< 0.00010	0.0198	< 0.020	< 0.000050	0.034	0.000597	241	0.00029	0.00033	< 0.00050	< 0.010	< 0.000050
FR_CC1	FR_CC1_2022-05-09_N	2022-05-09	1150	0.007	0.00079	0.00011	0.0183	< 0.020	< 0.000050	0.033	0.000561	234	< 0.00010	0.0003	< 0.00050	< 0.010	< 0.000050
FR_CC1 FR_CC1	FR_CC1_2022-05-10_N FR_CC1_2022-05-11_N	2022-05-10 2022-05-11	1280 1160	0.0078 0.0045	0.00082 0.00084	0.00017 0.0001	0.0194	< 0.020 < 0.020	< 0.000050 < 0.000050	0.032 0.031	0.000641 0.000685	240 242	< 0.00010 < 0.00010	0.00035 0.00034	< 0.00050 0.00051	< 0.010 < 0.010	< 0.000050 < 0.000050
FR_CC1	FR CC1 2022-05-11 N	2022-05-11	1150	0.0045	0.00088	0.0001	0.0192	< 0.020	< 0.000050	0.031	0.000652	242	< 0.00010	0.00034	0.00051	< 0.010	< 0.000050
FR CC1	FR CC1 2022-05-13 N	2022-05-13	1140	0.0043	0.00089	0.00013	0.0185	< 0.020	< 0.000050	0.035	0.000655	244	< 0.00020	0.00036	0.00054	< 0.010	< 0.000050
FR_CC1	FR_CC1_2022-05-14_N	2022-05-14	1210	0.0047	0.00082	0.00014	0.0217	< 0.020	< 0.000050	0.034	0.00065	268	< 0.00010	0.00034	< 0.00050	< 0.010	< 0.000050
FR_CC1	FR_CC1_2022-05-16_N	2022-05-16	1160	0.0058	0.00085	0.00012	0.0192	< 0.020	< 0.000050	0.034	0.000675	273	< 0.00010	0.00035	0.00059	< 0.010	< 0.000050
FR_CC1 FR_CC1	FR_CC1_2022-05-25_N	2022-05-25	1060	0.0123	0.00086	0.00013	0.0208	< 0.020 < 0.020	< 0.000050	0.031	0.000665	270 214	< 0.00010	0.00032 0.00026	< 0.00050 < 0.00050	0.012	< 0.000050 < 0.000050
FR_CC1	FR_CC1_2022-05-30_N FR_CC1_2022-06-13_N	2022-05-30 2022-06-13	994	0.0057 0.0164	0.00094 0.00085	0.00017 0.00011	0.0182 0.0216	< 0.020	< 0.000050 < 0.000050	0.033	0.000534 0.000449	182	< 0.00010 < 0.00010	0.00026	< 0.00050	< 0.010 0.024	< 0.000050
FR CC1	FR CC1 2022-06-27 N	2022-06-13	912	0.0258	0.00071	0.00011	0.0210	< 0.020	< 0.000050	0.026	0.000443	193	< 0.00010	0.00026	< 0.00050	0.023	< 0.000050
FR_CC1	FR_CC1_2022-07-18_N	2022-07-18	870	0.0054	0.00072	< 0.00010	0.0295	< 0.020		0.024	0.000567	177	< 0.00010	0.00027	< 0.00050	< 0.010	< 0.000050
FR_CC1	FR_CC1_2022-07-25_N	2022-07-25			0.00073	0.0001	0.0333	< 0.020		0.026	0.000497	153	< 0.00010		< 0.00050		< 0.000050
FR_CC1	FR_CC1_2022-08-02_N	2022-08-02	868	0.0065	0.00071	0.00013	0.036	< 0.020	< 0.000050	0.026	0.000499	186	< 0.00010	0.00019 0.0002	< 0.00050	< 0.010	< 0.000050
FR_CC1 FR_CC1	FR CC1_2022-08-08_N FR CC1_2022-08-15_N	2022-08-08 2022-08-15	918 961	0.0101 0.005	0.00074 0.00065	0.00013	0.0432	< 0.020 < 0.020	< 0.000050 < 0.000050	0.027 0.028	0.000561 0.000469	186 210	< 0.00010 < 0.00010	0.0002	< 0.00050 0.00051	< 0.010 < 0.010	< 0.000050 < 0.000050
FR CC1	FR CC1 WS SESMP 2022-08 N	2022-08-19	979	0.003	0.00064	0.00011	0.0377	< 0.020		0.025	0.000409	199	< 0.00010	0.00017	< 0.00050	< 0.010	< 0.000050
FR_CC1	FR_CC1_2022-08-22_N	2022-08-22	1050		0.00064	0.0002	0.0414	< 0.020		0.032	0.000432	204	0.00015	0.00016	< 0.00050	< 0.010	< 0.000050
FR_CC1	FR_CC1_2022-08-29_N	2022-08-29	969	0.0069	0.00063	0.00012	0.0404	< 0.020		0.03	0.000455	227	< 0.00010	0.00017	< 0.00050	< 0.010	< 0.000050
FR_CC1	FR_CC1_RD_WS_2022-08-30_NP	2022-08-30	1130		0.00066	0.00018	0.0386	< 0.020		0.024	0.000514	247	< 0.00010	0.00018	< 0.00050	0.011	< 0.000050
FR_CC1 FR_CC1	FR_CC1_WS_SEPT-2022_N FR_CC1_2022-09-07_N	2022-09-07 2022-09-07	1190 1080		0.00066 0.0007	0.00027	0.0392 0.0367	< 0.020 < 0.020	< 0.000050 < 0.000050	0.033	0.000516 0.000386	246 228	0.00016 < 0.00010	0.0002 0.00017	< 0.00050 < 0.00050	0.01 < 0.010	< 0.000050 < 0.000050
FR_CC1	FR_CC1_2022-09-07_N FR_CC1_CC1A_2022-09-12_N	2022-09-07	1100	0.0030	0.0007	0.0002	0.0367	< 0.020	< 0.000050	0.028	0.000386	249	< 0.00010	0.00017	< 0.00050	0.010	< 0.000050
FR_CC1	FR_CC1_CC1A_2022-09-17_N	2022-09-17	1240		0.0007	0.00054	0.0334	< 0.020	< 0.000050	0.036	0.000444	264	0.00015	0.0002	0.00065	0.016	0.000072
FR_CC1	FR_CC1_CC1A_2022-09-18_N	2022-09-18	1260	0.0201	0.0008	< 0.00020	0.0338	< 0.040	< 0.000100	0.037	0.000528	275	< 0.00020	0.00022	0.0029	< 0.020	0.000608
FR_CC1	FR_CC1_CC1A_2022-09-19_N	2022-09-19	1220		0.00072	0.00013	0.0298	< 0.020	< 0.000050	0.028	0.000376	253	< 0.00010	0.00022	0.00116	0.035	< 0.000050
FR_CC1	FR_DC1_2022-09-19_N	2022-09-19	1420	0.0182	0.0008	0.00016	0.0302	< 0.020	< 0.000050	0.042	0.000434	324	0.00029	0.00027	0.00811	0.066	0.000867

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals						
										Total metals						
Sample	Sample	Sample Date	Hardness	Lithium	Magnesium	Manganese	Nickel*	Potassium	Selenium	Siver	Sodium	Thallium	Ë	Titanium	Uranium*	ZInc
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L		mg/L ಲ	mg/L		T T	mg/L mg/L	mg/L	mg/L	mg/L	mg/L ບ	mg/L
						Acute	Chroni		Chronic	Acute					Chronic	Acute
BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Fording River Operation		T						T		T	1		1			T
FR_CC1 FR_CC1	FR_CC1_2022-01-04_N FR_CC1_2022-01-06_N	2022-01-04 2022-01-06	1560	0.497	171	0.00234	0.0637	- 7.75	186	< 0.000020	 15 0.53	0.000053	< 0.00020	< 0.00060	0.0172	0.0309
FR CC1	FR CC1 2022-01-06 N	2022-01-06	1510		176	0.00234	0.0637	7.75	174		15.3 0.55	0.000057	< 0.00020	< 0.00060	0.0172	0.0309
FR CC1	FR CC1 2022-01-12 N	2022-01-12	1450	0.527	176	0.00262	0.0616	7.42	188		13.7 0.57	0.000057	< 0.00020	< 0.00060	0.0162	0.0301
FR CC1	FR CC1 2022-01-24 N	2022-01-24	1500	0.46	174	0.00236	0.0605	7.16	188		13.4 0.54	0.000052	< 0.00020	< 0.00060	0.0166	0.0328
FR_CC1	FR_CC1_2022-01-31_N	2022-01-31	1480	0.479	170	0.00212	0.0594	7.16	182	< 0.000020	13 0.53	0.000053	< 0.00020	0.00063	0.0176	0.0316
FR_CC1	FR_CC1_2022-02-07_N	2022-02-07	1470	_	182	0.00232	0.0637	7.72	195		13.8 0.54	0.00005	< 0.00020	< 0.00060	0.0149	0.0341
FR_CC1	FR_CC1_2022-02-14_N	2022-02-14	1450	0.46	173	0.0021	0.0585	7.5	189	< 0.000020	12 0.52	0.000055	< 0.00020	< 0.00060	0.0162	0.0301
FR_CC1	FR_CC1_2022-02-21_N	2022-02-21	1460	0.423	167	0.00228	0.0594	7.26	187		12.1 0.52	0.00005	< 0.00020	< 0.00060	0.0155	0.0301
FR_CC1 FR_CC1	FR_CC1_2022-03-01_N FR_CC1_2022-03-07_N	2022-03-01 2022-03-07	1520 1600	0.46	180 173	0.00238 0.00202	0.061 0.0647	7.18 8.59	209 211	< 0.000010 < 0.000020	12.5 0.53 12.5 0.63	0.00005 0.000056	< 0.00010 < 0.00020	< 0.00030 < 0.00060	0.0152 0.0186	0.0332 0.0311
FR CC1	FR_CC1_2022-03-07_N FR_CC1_2022-03-14_N	2022-03-07	1510	0.333	168	0.00202	0.0577	7.33	208		11.6 0.54	0.000050	< 0.00020	< 0.00030	0.0158	0.0311
FR CC1	FR CC1 2022-03-14_N	2022-03-14	1320		182	0.00212	0.0637	8.04	216		12.7 0.64		< 0.00010	< 0.00060	0.0176	0.0322
FR CC1	FR CC1 2022-03-28 N	2022-03-28	1440		164	0.00313	0.0576	7.48	195		11.9 0.51	0.000054	< 0.00020	< 0.00120	0.0155	0.0345
FR_CC1	FR_CC1_2022_04_06_N	2022-04-06	1460	0.484	174	0.00378	0.0573	7.31	186	< 0.000010	11.6 0.53	0.000049	< 0.00010	< 0.00120	0.0162	0.03
FR_CC1	FR_CC1_2022-04-11_N	2022-04-11	750	0.228	89	0.00125	0.02755	4.125	105.025	< 0.000010	6.18 0.28	0.0000295	< 0.00010	< 0.00030	0.007805	0.0188
FR_CC1	FR_CC1_2022-04-13_N	2022-04-13	1460		159	0.00227	0.052	6.93	235	< 0.000010	10.5 0.48		< 0.00010	0.0003	0.0164	0.037
FR_CC1	FR_CC1_2022-04-18_N	2022-04-18		0.374	159	0.00227	0.052	6.93	235	< 0.000010	10.5 0.48		< 0.00010	0.0003	0.0164	0.037
FR_CC1	FR_CC1_2022-04-25_N	2022-04-25		0.413	173	0.00145 0.00134	0.0488	7.31	251	< 0.000010	10.8 0.48		< 0.00010	< 0.00030	0.0148	0.0374 0.0324
FR_CC1 FR_CC1	FR_CC1_2022-05-02_N FR_CC1_2022-05-06_N	2022-05-02 2022-05-06	1260	0.363	154 153	0.00134	0.0453 0.0439	6.83 7	207 206	< 0.000010 < 0.000010	10 0.42 9.96 0.43		< 0.00010 < 0.00010	< 0.00030 0.00048	0.0141 0.0135	0.0324
FR CC1	FR CC1 2022-05-07 N	2022-05-00		0.354	150	0.00143	0.0435	7.25	224		9.87 0.4	0.000047	< 0.00010	< 0.00030	0.0134	0.0363
FR CC1	FR CC1 2022-05-08 N	2022-05-08	1140		142	0.00176	0.0426	7.26	213		10.3 0.38	0.00004	< 0.00010	< 0.00030	0.0135	0.0318
FR_CC1	FR_CC1_2022-05-09_N	2022-05-09	1150		133	0.00176	0.0396	6.87	204		9.57 0.36	0.000041	< 0.00010	< 0.00030	0.0129	0.0319
FR_CC1	FR_CC1_2022-05-10_N	2022-05-10	1280	0.291	138	0.00163	0.041	7.01	208	< 0.000010	9.36 0.38	0.000043	< 0.00010	< 0.00030	0.0137	0.0313
FR_CC1	FR_CC1_2022-05-11_N	2022-05-11	1160		153	0.00147	0.0438	6.63	192		9.68 0.38	0.000046	< 0.00010	< 0.00030	0.0119	0.0335
FR_CC1	FR_CC1_2022-05-12_N	2022-05-12	1150		137	0.0015	0.0401	6.89	204	< 0.000010	9.5 0.37	0.000047	< 0.00010	< 0.00030	0.0144	0.0358
FR_CC1	FR_CC1_2022-05-13_N	2022-05-13	1140		142	0.00142	0.0396	6.91	202	< 0.000010	9.1 0.36		< 0.00010	< 0.00030	0.0142	0.0339
FR_CC1 FR_CC1	FR_CC1_2022-05-14_N FR_CC1_2022-05-16_N	2022-05-14 2022-05-16	1210		141 145	0.00122 0.0013	0.0382 0.0392	6.98 7.13	195 193		9.72 0.37 9.96 0.38	0.000042 0.000046	< 0.00010 0.00019	< 0.00030 < 0.00030	0.0121 0.0122	0.0328 0.0345
FR_CC1	FR_CC1_2022-05-16_N FR_CC1_2022-05-25_N	2022-05-16	1160 1060	0.349	151	0.0013	0.0392	7.13	178	< 0.000010	10 0.39	0.000046	< 0.00019	< 0.00030	0.0122	0.0345
FR CC1	FR CC1 2022-05-30 N	2022-05-30	994	0.271	123	0.00131	0.0347	6.14	171		8.78 0.34		< 0.00010	< 0.00030	0.0113	0.026
FR_CC1	FR_CC1_2022-06-13_N	2022-06-13	1000	0.253	106	0.00262	0.0309	5.52	154	< 0.000010	8.2 0.33	0.000038	< 0.00010	0.00041	0.011	0.0216
FR_CC1	FR_CC1_2022-06-27_N	2022-06-27	912	0.243	112	0.00277	0.0313	5.89	133		8.52 0.31		< 0.00010	0.00064	0.00934	0.0243
FR_CC1	FR_CC1_2022-07-18_N	2022-07-18					0.0287	4.68				0.000036		< 0.00030		0.0262
FR_CC1	FR_CC1_2022-07-25_N	2022-07-25				0.00117	0.0288	5.52			9.41 0.26		< 0.00010	< 0.00030	0.00866	0.0258
FR_CC1	FR_CC1_2022-08-02_N	2022-08-02		0.269		0.0009	0.0302	5.31	128		9.24 0.28		< 0.00010	< 0.00030	0.00929	0.0292
FR_CC1	FR_CC1_2022-08-08_N			0.269		0.00112	0.0327	5.32			9.93 0.3		< 0.00010	0.00036	0.0103	0.0272
FR_CC1 FR_CC1	FR_CC1_2022-08-15_N FR_CC1_WS_SESMP_2022-08_N	2022-08-15 2022-08-19		0.311	112 125	0.00084 0.00096	0.033 0.0381	5.46 5.4	123 126		9.95 0.33 10.2 0.31		< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00984 0.0109	0.0225 0.0254
FR_CC1	FR CC1 2022-08-22 N			0.303		0.00096	0.0361	5.22			9.71 0.33		< 0.00010	< 0.00030	0.0109	0.0234
FR CC1	FR CC1 2022-08-22 N	2022-08-29		0.305		0.00092	0.0373	5.26			9.99 0.34		< 0.00010	< 0.00030		0.0232
FR_CC1	FR_CC1_RD_WS_2022-08-30_NP			0.246	_	0.00127	0.0447	5.35		< 0.000010	12 0.42		< 0.00010	< 0.00030	0.0148	0.0272
FR_CC1	FR_CC1_WS_SEPT-2022_N			0.374		0.00118	0.0392	5.5		< 0.000010	11 0.39		< 0.00010	< 0.00030	0.0119	0.0259
FR_CC1	FR_CC1_2022-09-07_N	2022-09-07		0.273		0.0005	0.05	5.8	172	< 0.000010	10.8 0.39		< 0.00010	< 0.00030	0.0132	0.0231
FR_CC1	FR_CC1_CC1A_2022-09-12_N	2022-09-12				0.00101	0.0476	5.61	143		10.4 0.38		< 0.00010	< 0.00030	0.0119	0.0236
FR_CC1	FR_CC1_CC1A_2022-09-17_N	2022-09-17		0.386	134	0.00118	0.0487	5.65	148		10.5 0.41		0.00013	0.00031	0.0131	0.0248
FR_CC1	FR_CC1_CC1A_2022-09-18_N	2022-09-18		0.42	153	0.00112	0.0576	6.49			11.9 0.44		< 0.00020	< 0.00060	0.0153	0.0424
FR_CC1	FR_CC1_CC1A_2022-09-19_N	2022-09-19		0.369			0.0538	6.88	134		11.9 0.43		< 0.00010	0.00048	0.015	0.024
FR_CC1	FR_DC1_2022-09-19_N	2022-09-19	1420	0.486	168	0.00266	0.0645	6.87	188	< 0.000010	13.1 0.47	0.000048	< 0.00010	0.0004	0.0154	0.105

< Denotes concentration less than indicated detection limit

Denotes analysis not conducted n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						
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0	O-mark.	OI- D-t-	ard	<u> </u>	l ţi.	rse	arit	Bery	ism	Boro	adu	Calci	hro	go	eddo	<u>10</u>	ead
Sample Location	Sample ID	Sample Date (mm/dd/yyyy)	ma/l	 mg/L	Mg/L	Mg/L	mg/L	mg/L	適 mg/L	mg/L	mg/L	mg/L	ロ mg/L	mg/L	mg		mg/L
Location		(IIIIII aaryyyy)		9/ =	9/2		. <u></u>	nic 1.6	9/2	nic Sin	y/_		g/_		9	<u> </u>	
						Acute	Chron	ē		2 ا				Acute Chronic		Acute	ute
						1	ភ	ភ		ភ						¥	§ 5
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Fording River Operation FR CC1	FR FLD1 2022-09-19 N	2022-09-19	1340	0.0116	0.00072	0.00014	0.0296	< 0.020	< 0.000050	0.037	0.000456	292	< 0.00010	0.00023	0.00053	0.01	< 0.000050
FR_CC1	FR_CC1_CC1A_2022-09-20_N		< 0.50	< 0.0030	< 0.00012	< 0.00014	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
FR_CC1	FR_CC1_CC1A_2022-09-21_N		1400	0.0125	0.00081	< 0.00010	0.0321	< 0.020	< 0.000050	0.043	0.00034	316	< 0.00010	0.00024	0.00058	0.019	< 0.000050
FR_CC1	FR_CC1_CC1A_2022-09-22_N		1400	0.0192	0.00073	< 0.00020	0.0345	< 0.040	< 0.000100	0.036	0.000262	290	< 0.00020	0.00024	< 0.00100	< 0.020	0.000152
FR_CC1 FR_CC1	FR_CC1_RD-WS_2022-09-01_NP FR_CC1_CC1A_2022-09-23_N		1330 1340	0.0194	0.00073	0.00018	0.0336	< 0.020	< 0.000050	0.035	0.000217	266	0.00011	0.00021	< 0.00050	0.015	< 0.000050
FR_CC1	FR_CC1_CC1A_2022-09-24_N	2022-09-24	1300	0.0151	0.00076	0.00099	0.0367	0.000776	< 0.000100	0.039	0.00106	286	0.00099	0.00103	0.00165	< 0.020	0.000776
FR_CC1	FR_CC1_CC1A_2022-09-25_N		1170	0.0135	0.00068	0.00018	0.0555	< 0.020	< 0.000050	0.033	0.00038	259	< 0.00010	0.0002	0.00078	0.017	0.000191
FR_CC1 FR_CC1	FR_CC1_CC1A_2022-09-26_N FR_CC1_CC1A_2022-10-03_N		1260 1360	0.0121 0.0134	0.00064 0.00066	0.00015 0.00013	0.0362 0.045	< 0.020 < 0.020	< 0.000050 < 0.000050	0.016 0.034	0.000308 0.000444	287 258	< 0.00010 < 0.00010	0.0002 0.00025	< 0.00050 0.00059	< 0.010 0.015	< 0.000050 < 0.000050
FR CC1	FR CC1 CC1A 2022-10-03 N		1310	0.0134	0.00063	0.00013	0.043	< 0.020	< 0.000050	0.034	0.000721	245	0.00017	0.00025	< 0.00050	0.013	< 0.000050
FR_CC1	FR_CC1_CC1A_2022-10-17_N	2022-10-17	1050	0.0246	0.00056	0.00017	0.0545	< 0.020	< 0.000050	0.026	0.000594	204	0.00011	0.00022	< 0.00050	0.024	< 0.000050
FR_CC1	FR_CC1_2022-10-24_N		1090	0.0356	0.00056	0.00015	0.0553	< 0.020	< 0.000050	0.031	0.000586	258	< 0.00010	0.0002	< 0.00050	0.025	< 0.000050
FR_CC1 FR_CC1	FR_CC1A_2022-10-31_N FR_CC1_2022-11-07_N		1170 1060	0.0345 0.037	0.00058 0.0005	0.00022 0.00012	0.0541 0.0564	< 0.040 < 0.020	< 0.000100 < 0.000050	0.03 0.021	0.000655 0.000476	252 239	< 0.00020 0.00016	< 0.20 0.00021	< 0.00100 0.00051	0.03 0.056	< 0.000100 0.000052
FR CC1	FR CC1 2022-11-14 N		1080	0.014	0.00056	< 0.00012	0.056	< 0.040	< 0.000100	0.021	0.00051	257	< 0.00010	< 0.20	< 0.00100	< 0.020	< 0.000100
FR_CC1	FR_CC1_2022-11-21_N		1250	0.0084	0.00064	< 0.00010	0.0384	< 0.020	< 0.000050	0.037	0.000555	270	< 0.00010	0.00019	< 0.00050	< 0.010	< 0.000050
FR_EC1	FR_EC1_MON_2022-01-01_N		1460	0.0054	0.00069	0.0001	0.0328	< 0.020	< 0.000050	0.028	0.000602	306	< 0.00010	0.00017	< 0.00050	< 0.010	< 0.000050
FR_EC1	FR_EC1_MON_2022-03-01_N FR_EC1_MON_2022-04-01_N	2022-03-28 2022-04-04	706 455	0.129 1.25	0.00115 0.00091	0.00046 0.00081	0.101 0.121	< 0.020 0.000076	< 0.000050 < 0.000050	0.025 0.028	0.000161 0.000174	128 94.6	0.00026 0.00178	0.00108 0.00138	0.00089 0.00258	0.237 1.08	0.000318 0.000979
FR_EC1	FR_EC1_WEK_2022-04-11_N		1210	0.102	0.00091	0.00036	0.0644	< 0.020	< 0.000050	0.032	0.000222	229	0.00019	0.00083	0.00233	0.158	0.000199
FR_EC1	FR_EC1_WEK_2022-04-18_N	2022-04-19	1280	0.0225	0.00079	0.00024	0.047	< 0.040	< 0.000100	0.029	0.000212	255	< 0.00020	0.00052	< 0.00100	0.04	< 0.000100
FR_EC1	FR_EC1_WEK_2022-04-25_N FR_EC1_MON_2022-05-01_N	2022-04-28 2022-05-02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR EC1	FR_EC1_MON_2022-05-01_N FR_EC1_WEK_2022-05-09_N		1690	0.0098	0.00064	0.00031	0.0292	< 0.040	< 0.000100	0.038	0.0000211	293	< 0.00020	0.00037	< 0.00100	< 0.020	< 0.000100
FR_EC1	FR_EC1_WEK_2022-05-16_N	2022-05-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_EC1	FR_EC1_WEK_2022-05-23_N	2022-05-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_EC1	FR_EC1_WEK_2022-05-30_N FR_EC1_MON_2022-06-01_N	2022-06-01 2022-06-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR EC1	FR EC1 WEK 2022-06-13 N		2030	0.0091	0.0006	0.00024	0.0182	< 0.040	< 0.000100	0.037	0.0000134	334	< 0.00020	< 0.20	< 0.00100	< 0.020	< 0.000100
FR_EC1	FR_EC1_WEK_2022-06-20_N	2022-06-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_EC1	FR_EC1_WEK_2022-06-27_N	2022-06-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_EC1	FR_EC1_MON_2022-07-01_N FR_EC1_WEK_2022-07-11_N	2022-07-04 2022-07-12	1730	0.0823	0.00082	0.00033	0.036	< 0.040	< 0.000100	0.039	0.000104	256	< 0.00020	0.00046	0.00105	0.052	< 0.000100
FR_FR1	FR_FR1_WEK_2022-03-28_N	2022-03-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_FR1	FR_FR1_MON_2022-04-01_N	2022-04-04	217	0.704	0.00014	0.00023	0.0558	< 0.020	< 0.000050	< 0.010	0.0000508	59	0.00213	0.00012	0.00068	0.214	0.000162
FR_FR1	FR_FR1_WEK_2022-04-11_N	2022-04-11	317	0.0701	< 0.00010	0.00014	0.058	< 0.020	< 0.000050	< 0.010	0.0000306	82.2	0.00022	< 0.10	< 0.00050	0.06	< 0.000050
FR_FR1 FR_FR1	FR_FR1_WEK_2022-04-18_NP FR_FR1_WS_2022-04-25_NP	2022-04-20 2022-04-25	329 259	0.104 0.118	< 0.00010 < 0.00010	0.00017 0.00016	0.051 0.0518	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	0.0000345 0.0000285	74.9 67.2	0.00029 0.0003	< 0.10 < 0.10	< 0.00050 < 0.00050	0.069 0.075	0.000059 < 0.000050
FR_FR1	FR_FR1_WS_2022-04-26_NP	2022-04-26	154	1.05	0.00016	0.00064	0.0601	0.000085	< 0.000050	< 0.010	0.000276	37.8	0.00183	0.00088	0.00247	1.03	0.000995
FR_FR1	FR_FR1_WEK_2022-04-25_NP	2022-04-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_FR1 FR_FR1	FR_FR1_MON_2022-05-02_NP FR_FR1_WEK_2022-05-09_NP	2022-05-03 2022-05-10	198 232	0.199 0.0563	< 0.00010 < 0.00010	0.00019 0.00014	0.047 0.0428	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	0.0000746 0.0000312	52 58.9	0.00044 0.00028	0.00021 < 0.10	0.00076 < 0.00050	0.138 0.041	0.00012 < 0.000050
FR_FR1	FR FR1 WEK 2022-05-09 NP FR FR1 WEK 2022-05-16 NP		232	0.0563	< 0.00010	0.00014	0.0428	< 0.020	< 0.000050	< 0.010	0.0000312	52.3	0.00028	< 0.10	< 0.00050	0.041	< 0.000050
FR_FR1	FR_FR1_WEK_2022-05-23_NP	2022-05-25	223	0.0306	< 0.00010	0.00014	0.0377	< 0.020	< 0.000050	< 0.010	0.0000272	54.6	< 0.00010	< 0.10	< 0.00050	0.03	< 0.000050
FR_FR1	FR_FR1_WEK_2022-05-30_NP	2022-05-31	197	0.0185	< 0.00010	< 0.00010	0.0362	< 0.020	< 0.000050	< 0.010	0.0000187	50.4	0.00011	< 0.10	< 0.00050	0.016	< 0.000050
FR_FR1 FR_FR1	FR_FR1_MON_2022-06-06_NP FR_FR1_WEK_2022-06-13_NP	2022-06-07 2022-06-14	158 250	0.0355 0.0574	< 0.00010 0.00015	0.00014	0.0343 0.0406	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	0.0000169 0.000068	42.3 61.1	0.00024 0.00015	< 0.10 0.00014	< 0.00050 < 0.00050	0.03	< 0.000050 0.000084
FR FR1	FR DC1 WEK 2022-06-13 NP	2022-06-14	136	0.0574	< 0.00015	0.00018	0.0408	< 0.020	< 0.000050	< 0.010	0.000008	34.8	0.00015	< 0.10	< 0.00050	0.067	0.000054
FR_FR1	FR_FR1_WEK_2022-06-27_NP			0.04343333		0.000127	0.0173	< 0.020	< 0.000050		1.43333E-05		0.00018	< 0.10			II.

< Denotes concentration less than indicated detection limit

Denotes analysis not conducted
 n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals								
					E	ф		_										
			ess	۽	Sin	anes	*	l iii	E		ے	Strontium	Ē		Ę	<u>*</u>		
			rgu	hid	lgne	ang.	- K e	tas	lenium	Ver	Sodium	ont	alliu	_	anit	anic		ဥ
Sample	Sample	Sample Date	Ŧ	Ĕ	Мад	ž 	ž	8	Š	<u>≥</u>			È	Ë	<u> </u>	້		Zinc
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L ပ္	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L ບ	m	ng/L ໄ ບ
						Acute	Chroni		Chronic	Acute						Chronic	Acute	Chronic
BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a	0.0075-2 ^a
Fording River Operation	ED ELD4 0000 00 40 N	1 0000 00 10	1010	0.400	407	0.00440	0.0010		101	. 0.000040	140.41	0.40	0.000044	0.00040				0000
FR_CC1 FR_CC1	FR_FLD1_2022-09-19_N FR_CC1_CC1A_2022-09-20_N	2022-09-19 2022-09-20		0.429	167 0.005	0.00119 < 0.00010	0.0616 < 0.00050	6.77	181 < 0.050	< 0.000010 < 0.000010	13.1			< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.014 < 0.000010		0298
FR CC1	FR CC1 CC1A 2022-09-20 N	2022-09-21		0.466	169	0.00212	0.0689	7.06	185	< 0.000010	13.6			< 0.00010	< 0.00030	0.0169		0221
FR_CC1	FR_CC1_CC1A_2022-09-22_N	2022-09-22		0.418	156	0.00176	0.0581	6.14	162	< 0.000020	11.9			< 0.00020	0.00087	0.0158		0207
FR_CC1	FR_CC1_RD-WS_2022-09-01_NP	2022-09-22		0.298	159	0.0014	0.0564	6.96	166	< 0.000010	12.5		0.000038	< 0.00010	0.00073	0.0151		0151
FR_CC1 FR_CC1	FR_CC1_CC1A_2022-09-23_N FR_CC1_CC1A_2022-09-24_N	2022-09-23 2022-09-24	1340	0.344	158	0.0021	0.0602	6.56	169	< 0.000020	12.2	- 0.46	0.000806	< 0.00020	< 0.00060	0.0172		0191
FR_CC1	FR_CC1_CC1A_2022-09-24_N FR_CC1_CC1A_2022-09-25_N	2022-09-24	1170		143	0.0021	0.0505	5.65		< 0.000020	11.5			< 0.00020	0.00035	0.0172		0274
FR_CC1	FR_CC1_CC1A_2022-09-26_N	2022-09-26	1260		150	0.0014	0.0534	5.8	151	< 0.000010	11.8		0.000030	< 0.00010	< 0.00033	0.0127		0183
FR_CC1	FR_CC1_CC1A_2022-10-03_N	2022-10-03	1360	0.382	139	0.00146	0.0519	5.79	164	< 0.000010	11.4	0.4	0.000036	< 0.00010	< 0.00030	0.0127	0.0	0272
FR_CC1	FR_CC1_CC1A_2022-10-11_N	2022-10-11	1310		137	0.00438	0.0449	5.25	154	< 0.000010	9.53		0.000039	< 0.00010	0.00052	0.0116		0396
FR_CC1	FR_CC1_CC1A_2022-10-17_N	2022-10-17		0.259	123 129	0.0028 0.00317	0.0428	4.92		< 0.000010 < 0.000010	9.04		0.000035 0.000038	< 0.00010	0.00046	0.00935		0305 0292
FR_CC1 FR_CC1	FR_CC1_2022-10-24_N FR_CC1A_2022-10-31_N	2022-10-24 2022-10-31	1090 1170		129	0.00317	0.0462 0.0431	5.5 4.88	142 138	< 0.000010	9.74	0.38		< 0.00010 < 0.00020	0.00039 0.00071	0.0114 0.0128		0318
FR CC1	FR CC1 2022-11-07 N	2022-11-07		0.222		0.00311	0.0413	5.19	138	< 0.000010	9.68			< 0.00010	0.00071	0.0115		0219
FR_CC1	FR_CC1_2022-11-14_N	2022-11-14		0.296	135	0.00142	0.0433	5.16	136	< 0.000020	9.15	0.38	0.000028	< 0.00020	< 0.00060	0.0115	0.0	0261
FR_CC1	FR_CC1_2022-11-21_N	2022-11-21		0.405		0.00122	0.0528	6.03	181	< 0.000010		0.43		< 0.00010	< 0.00030	0.0136		0294
FR_EC1	FR_EC1_MON_2022-01-01_N	2022-03-23		0.304	163	0.00116 0.0252	0.057	6.84	183	< 0.000010 < 0.000010		0.49		< 0.00010	< 0.00030	0.0164		0322 0071
FR_EC1 FR_EC1	FR_EC1_MON_2022-03-01_N FR_EC1_MON_2022-04-01_N	2022-03-28 2022-04-04	455	0.043	99.6 65.5	0.0252	0.01	4.25 3.92	116 67.4	0.000010	7.28 6.01		0.000028 0.000052	< 0.00010 < 0.00010	0.00088 < 0.0330	0.00789 0.00464		0121
FR EC1	FR EC1 WEK 2022-04-11 N	2022-04-14		0.085	198	0.0231	0.0154	5.22	233	< 0.000010	11.2		0.00003	< 0.00010	0.00107	0.0142		0097
FR_EC1	FR_EC1_WEK_2022-04-18_N	2022-04-19	1280	0.089	198	0.0167	0.014	4.41	232	< 0.000020	11.2	0.34	0.000025	< 0.00020	< 0.00060	0.0141	0.0	0087
FR_EC1	FR_EC1_WEK_2022-04-25_N	2022-04-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
FR_EC1 FR_EC1	FR_EC1_MON_2022-05-01_N FR_EC1_WEK_2022-05-09_N	2022-05-02 2022-05-12	1690	0.119	268	0.00446	0.0163	5.15	285	< 0.000020	- 15.1	- 0.20	0.000025	< 0.00020	< 0.00060	0.0189	- 0	0.0060
FR EC1	FR EC1 WEK 2022-05-09 N	2022-05-12	1090	0.119	200	0.00440	-	5.15	200	- 0.000020	15.1	0.39	0.000025	- 0.00020	- 0.00000	0.0109	\ 0	-
FR EC1	FR EC1 WEK 2022-05-23 N	2022-05-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
FR_EC1	FR_EC1_WEK_2022-05-30_N	2022-06-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
FR_EC1	FR_EC1_MON_2022-06-01_N	2022-06-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	. 0	-
FR_EC1 FR_EC1	FR_EC1_WEK_2022-06-13_N FR_EC1_WEK_2022-06-20_N	2022-06-13 2022-06-20	2030	0.139	297	0.00283	0.0168	5.14	328	< 0.000020	16.7	0.39	0.00003	< 0.00020	< 0.00060	0.0192	< 0	0.0060
FR EC1	FR EC1 WEK 2022-06-20 N	2022-06-29	-	-	<u> </u>	-		 -	-	-	-	-	-	-	-	-		-
FR_EC1	FR_EC1_MON_2022-07-01_N	2022-07-04	<u></u>	<u>L-</u>	-	-	<u>-</u>				<u> </u>		<u>-</u>					-
FR_EC1	FR_EC1_WEK_2022-07-11_N	2022-07-12	1730	0.122	222	0.00836	0.0153	5.64	285	< 0.000020	13.9	0.39	0.000035	< 0.00020	0.00255	0.0166	0.0	0074
FR_FR1	FR_FR1_WEK_2022-03-28_N	2022-03-30	- 047	- 0.000	- 24.0	0.00757	- 0.00100	0.700	-	0.000029	- 0.60	-	- 0.00000	- 0.00040	- 0.000	0.000044	0.4	0039
FR_FR1 FR_FR1	FR_FR1_MON_2022-04-01_N FR_FR1_WEK_2022-04-11_N	2022-04-04 2022-04-11				0.00757 0.00297	0.00126 0.00111	0.793 0.969		< 0.000029			0.000028 < 0.000010	< 0.00010 < 0.00010	0.026 0.00102	0.000844 0.00142		0.0039
FR FR1	FR FR1 WEK 2022-04-18 NP			0.012		0.00309	0.00092	0.94		< 0.000010			< 0.000010	< 0.00010	0.00162	0.00139		0.0030
FR_FR1	FR_FR1_WS_2022-04-25_NP	2022-04-25	259	0.009	27.9		0.001		24.2	< 0.000010	0.8	0.11	< 0.000010	< 0.00010	0.00261	0.00113		0036
FR_FR1	FR_FR1_WS_2022-04-26_NP	2022-04-26	+	0.005		0.0444	0.00408	0.851		0.00008	0.59			< 0.00010	0.0137	0.000748		0167
FR_FR1	FR_FR1_WEK_2022-04-25_NP	2022-04-26	100	- 0.007	10.0	- 0.0472	- 0.00113	- 0.650	- 42.7	- 0.000013		-	- 0.000013	- 0.00010	- 0.00450	0.00076		-
FR_FR1 FR_FR1	FR_FR1_MON_2022-05-02_NP FR_FR1_WEK_2022-05-09_NP	2022-05-03 2022-05-10				0.0172 0.00387	0.00113 0.00085	0.659 0.651	16.8	0.000012 < 0.000010			0.000013 < 0.000010	< 0.00010 < 0.00010	< 0.00450 0.00122	0.00076 0.000925		0043
FR_FR1	FR_FR1_WEK_2022-05-16_NP	2022-05-17				0.00305	0.00082		14.6	< 0.000010			< 0.000010	< 0.00010	0.00096	0.000838		0.0030
FR_FR1	FR_FR1_WEK_2022-05-23_NP	2022-05-25				0.00291	0.00054	0.569	11.7	< 0.000010	0.69	0.09	< 0.000010	< 0.00010	0.00036	0.000875		0.0030
FR_FR1	FR_FR1_WEK_2022-05-30_NP	2022-05-31		0.006	19.2	0.00168	0.00058	0.542		< 0.000010			< 0.000010	< 0.00010	0.00031	0.000818		0.0030
FR_FR1 FR_FR1	FR_FR1_MON_2022-06-06_NP FR_FR1_WEK_2022-06-13_NP	2022-06-07 2022-06-14		0.003		0.00197 0.00944	0.00054		5.68	< 0.000010 < 0.000010			< 0.000010 < 0.000010	< 0.00010	0.00062	0.000614		0.0030
FR_FR1	FR_FR1_WEK_2022-06-13_NP FR_DC1_WEK_2022-06-20_NP	2022-06-14		0.021	25 11.6		0.00277 < 0.00050	1.02 0.449		< 0.000010			< 0.000010	< 0.00010 < 0.00010	0.00096 0.0009	0.00163 0.00051		0.0030
FR FR1	FR FR1 WEK 2022-06-27 NP	2022-06-28							3.35333	< 0.000010			< 0.000010			0.00036433		0.0030

< Denotes concentration less than indicated detection limit

Denotes analysis not conducted n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

			Г								Total Metals						
											Total Metals						
			Iness	minum	mony	nic	* u n	·llium*	nuth	uo	mium	in.	omium	alt	pper		7
Sample	Sample	Sample Date	Harc	Aur	Arti	- rse	3ari	Bery	Bisn	Bore	Sad	Salc	l H	Cob	do	ō L	-ead
Location	ID	(mm/dd/yyyy)		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg	<u> </u>	mg/L
						Acute	Chronic	Chronic		Chronic				Acute Chronic		Acute	Acute
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Fording River Operation																	
FR_FR1	FR_FR1_QTR_2022-07-04_NP	2022-07-05	133	0.0233	< 0.00010	0.00011	0.0228	< 0.020	< 0.000050	< 0.010	0.0000137	34.8	0.00014	< 0.10	< 0.00050	0.02	< 0.000050
FR_FR1 FR_FR1	FR_FR1_WEK_2022-07-11_NP FR_FR1_MON_2022-08-01_NP	2022-07-13 2022-08-09	135 132	0.044	< 0.00010 < 0.00010	0.00012 < 0.00010	0.0232 0.0218	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	0.0000127 0.0000112	36.1 36.1	0.00017 0.00011	< 0.10 < 0.10	< 0.00050 < 0.00050	0.03 < 0.010	< 0.000050 < 0.000050
FR FR1	FR FR1 MON 2022-06-01 NP	2022-09-13	223	0.009	< 0.00010	0.00010	0.0218	< 0.020	< 0.000050	< 0.010	0.0000112	53.3	0.00011	< 0.10	< 0.00050	< 0.010	< 0.000050
FR_FR1	FR_FR1_QTR_2022-10-03_NP	2022-10-12	261	0.0101	< 0.00010	0.00012	0.0343	< 0.020	< 0.000050	< 0.010	0.0000170	69.9	0.00042	< 0.10	< 0.00050	< 0.010	< 0.000050
FR_FR1	FR_FR1_MON_2022-11-07_NP	2022-11-03	296	0.0047	< 0.00010	0.00012	0.0441	< 0.020	< 0.000050	< 0.010	0.000017	76.6	< 0.00010	< 0.10	0.00219	< 0.010	< 0.000050
FR_FR2	FR_FR2_MON_2022-01-04_N	2022-01-08	286	0.0054	< 0.00010	< 0.00010	0.0396	< 0.020	< 0.000050	< 0.010	0.0000174	75.2	0.00019	< 0.10	< 0.00050	< 0.010	< 0.000050
FR_FR2	FR_FR2_MON_2022-02-01_N	2022-02-09	660	0.0056	0.00024	< 0.00010	0.0934	< 0.020	< 0.000050	0.012	0.0000956	152	< 0.00010	0.0001	< 0.00050	0.032	< 0.000050 < 0.000050
FR_FR2 FR_FR2	FR_FR2_WS_2022-02-28_N FR_FR2_MON_2022-03-01_N	2022-02-28 2022-03-03	727 714	0.0041	0.00024 0.00026	0.00012 0.0001	0.0996 0.0975	< 0.020 < 0.020	< 0.000050 < 0.000050	0.013 0.011	0.0000853 0.0000943	154 153	0.00028 0.00014	< 0.10 0.00013	< 0.00050 < 0.00050	0.039	< 0.000050
FR FR2	FR FR2 WEK 2022-03-14 N	2022-03-03	702	0.0001	0.00020	< 0.00010	0.096	< 0.020	< 0.000050	0.011	0.0000343	165	0.00014	< 0.10	< 0.00050	0.053	< 0.000050
FR_FR2	FR_FR2_WEK_2022-03-15_NP	2022-03-15	759	0.0327	0.00025	0.00011	0.0996	< 0.020	< 0.000050	0.013	0.0000867	162	< 0.00020	0.00013	< 0.00050	0.111	0.000058
FR_FR2	FR_FR2_WS_2022-03-16_NP	2022-03-16	668	0.0723	0.00025	0.00014	0.102	< 0.020	< 0.000050	0.012	0.0000933	155	0.00021	0.00014	< 0.00050	0.124	0.000071
FR_FR2	FR_ FR2_WEK_2022-03-16_NP	2022-03-16	630	0.0973	0.00026	0.00019	0.0972	< 0.020	< 0.000050	0.012	0.0000996	154	0.0003	0.0002	< 0.00050	0.174	0.000156
FR_FR2	FR_FR2_2_WS_2022-03-17_NP	2022-03-17	676	0.0609	0.00026	0.00016	0.0992	< 0.020	< 0.000050	0.013	0.0000838	177	0.00023	0.00016	< 0.00050	0.121	0.000105
FR_FR2 FR_FR2	FR_ FR2_WEK_2022-03-17_NP FR_FR2_2_WS_2022-03-18_NP	2022-03-17 2022-03-18	713 618	0.256 0.0782	0.00031 0.00028	0.00028 0.00016	0.11 0.0996	< 0.020 < 0.020	< 0.000050 < 0.000050	0.013 0.011	0.000138 0.000107	151 137	0.00049 0.00026	0.00037 0.00017	0.00083 < 0.00050	0.354 0.194	0.000381 0.000144
FR FR2	FR FR2 WEK 2022-18 NP	2022-03-18	681	0.0643	0.00028	0.00016	0.104	< 0.020	< 0.000050	0.011	0.000107	177	0.00025	0.00017	< 0.00050	0.144	0.000144
FR FR2	FR FR2 WS 2022-03-19 NP	2022-03-19	680	0.113	0.00031	0.00017	0.103	< 0.020	< 0.000050	0.014	0.000102	162	0.00028	0.00019	< 0.00050	0.17	0.000148
FR_FR2	FR_FR2_WS_2022-03-20_NP	2022-03-20	666	0.031	0.00028	0.00012	0.0943	< 0.020	< 0.000050	0.013	0.0000942	154	0.00016	0.00014	< 0.00050	0.116	0.000069
FR_FR2	FR_FR2_2_WS_2022-03-21_NP	2022-03-21	645	0.0447	0.0003	0.00016	0.0948	< 0.020	< 0.000050	0.014	0.000102	153	0.0002	0.00019	< 0.00050	0.162	0.000124
FR_FR2	FR_FR2_2_WS_2022-03-22_NP	2022-03-22	646	0.0279	0.0003	0.00012	0.0944	< 0.020	< 0.000050	0.013	0.0000904	149	0.00015	0.00016	< 0.00050	0.091	0.000056
FR_FR2 FR_FR2	FR_FR2_2_WS_2022-03-23_NP FR_DC1_WEK_2022-03-28_N	2022-03-23 2022-03-30	648 656	0.037 0.0403	0.00032 0.00035	0.00015 0.00022	0.0957 0.0968	< 0.020 < 0.020	< 0.000050 < 0.000050	0.012 0.014	0.000101 0.0000952	150 152	0.00025 0.00017	0.00017 0.00021	0.00061 < 0.00050	0.085 0.097	0.000073 < 0.000050
FR FR2	FR FR2 MON 2022-04-01 N	2022-03-30	594	0.1205	0.00035	0.00022	0.129	< 0.020	< 0.000050	0.0125	0.000149	142.5	0.00017	0.00062	0.00061	0.1275	0.0001215
FR FR2	FR FR2 WEK 2022-04-11 N	2022-04-12	602	0.0313	0.00081	0.00018	0.107	< 0.020	< 0.000050	0.013	0.000147	135	0.00018	0.00088	< 0.00050	0.065	< 0.000050
FR_FR2	FR_DC1_WEK_2022-04-18_N	2022-04-18	634	0.0226	0.00069	0.00014	0.0999	< 0.020	< 0.000050	0.014	0.000198	149	0.00013	0.00054	< 0.00050	0.054	< 0.000050
FR_FR2	FR_FLD_WEK_2022-04-18_N	2022-04-19	635	0.01485	0.00033	0.00013	0.08905	< 0.020	< 0.000050	0.013	0.000175	157.5	< 0.00010	0.00021	< 0.00050	0.0455	< 0.000050
FR_FR2	FR_FLD_WEK_2022-04-25_N	2022-04-27	< 0.50	< 0.0030	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10 < 0.10	< 0.00050	< 0.010	< 0.000050 < 0.000050
FR_FR2 FR_FR2	FR_FR2_MON_2022-05-01_N FR_FR2_WEK_2022-05-09_N	2022-05-04 2022-05-10	< 0.50 442	< 0.0030 0.111	< 0.00010 0.00024	< 0.00010 0.00016	< 0.00010 0.0696	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	< 0.0050 0.000182	< 0.050 97.3	< 0.00010 0.00025	0.00041	< 0.00050 0.00061	< 0.010 0.156	0.000115
FR FR2	FR FR2 WEK 2022-05-16 N	2022-05-10	434	0.0751	0.00027	0.00010	0.0795	< 0.020	< 0.000050	< 0.010	0.000182	106	0.00026	0.00082	0.00077	0.298	0.00029
FR_FR2	FR_FLD_WEK_2022-05-23_N	2022-05-26	380	0.039	0.0002	0.00014	0.051	< 0.020	< 0.000050	< 0.010	0.000122	90.3	0.00018	0.00015	< 0.00050	0.084	0.000062
FR_FR2	FR_FR2_WS_2022-05-27_NP	2022-05-27	< 0.50	< 0.0030	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
FR_FR2	FR_FR2_WEK_2022-05-30_N	2022-06-01		0.0426	0.00016	0.00014	0.0494	< 0.020	< 0.000050		0.0000959	67.2	0.00023	0.00016	< 0.00050		0.000101
FR_FR2 FR_FR2	FR_DC3_MON_2022-06-01_N FR_FR2_MON_2022-06-01_N	2022-06-08 2022-06-08	250 212	0.0249 0.15045	0.00019 0.00012	0.00012 0.00025	0.041 0.04325	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	0.0000528 0.0001139	62.2 56.7	0.00014 0.000395	< 0.10 0.000325	< 0.00050 < 0.00050	0.039 0.3105	< 0.000050 0.000301
FR_FR2	FR_FR2_MON_2022-06-01_N FR_DC1_WEK_2022-06-13_N	2022-06-08	-	0.15045	0.00012	0.00025	0.04325	< 0.020	< 0.000050	- 0.010	0.0001139	50.7	0.000395	0.000325	< 0.00050	0.3105	0.000301
FR_FR2	FR_FR2_WEK_2022-06-20_N		183	0.085	0.000115	0.000155	0.03245	< 0.020	< 0.000050	< 0.010	0.0000549	45.1	0.000245	0.000125	< 0.00050	0.1135	0.000104
FR_FR2	FR_DC1_WEK_2022-06-20_N	2022-06-21	186	0.194	0.00013	0.00021	0.0362	< 0.020	< 0.000050	< 0.010	0.0000725	49	0.00044	0.00018	0.00096	0.283	0.000176
FR_FR2	FR_DC1_WEK_2022-06-27_N	2022-06-28	186	0.212	0.00013	0.0002	0.0369	< 0.020	< 0.000050	< 0.010	0.0000756	51.4	0.00043	0.00019	0.0006	0.269	0.000168
FR_FR2	FR_FR2_MON_2022-07-01_N		207	0.0385	0.000125	0.000155	0.0323	< 0.020	< 0.000050	< 0.010	0.00006255	53.05	0.00018	< 0.10	< 0.00050	0.062	0.0000595
FR_FR2 FR_FR2	FR_FR2_WEK_2022-07-05_N FR_FR2_WEK_2022-07-06_N		227 223	0.0147	0.00013 0.00013	0.00013 0.00014	0.0341 0.0316	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	0.0000504 0.000062	56.8 52.4	0.00015 0.00021	< 0.10 < 0.10	< 0.00050 < 0.00050	0.02 0.059	< 0.000050 0.000066
FR_FR2	FR_FRZ_WEK_2022-07-06_N FR_DC1_WEK_2022-07-07_N		238	0.0473	0.00013	0.00014	0.0316	< 0.020	< 0.000050	< 0.010	0.000062	54.2	0.00021	< 0.10	< 0.00050	0.059	< 0.000050
FR FR2	FR FR3 WEK 2022-07-07 N		229	0.0233	0.00013	0.00013	0.0322	< 0.020	< 0.000050	< 0.010	0.0000627	53.2	0.00014	< 0.10	< 0.00050	0.024	< 0.000050
FR_FR2	FR_DC1_WEK_2022-07-08_N	2022-07-08	229	0.0225	0.00014	0.0001	0.0344	< 0.020	< 0.000050	< 0.010	0.0000598	55.6	0.00013	< 0.10	0.00193	0.026	0.000067
FR_FR2	FR_FR3_WEK_2022-07-08_N	2022-07-08	215	0.004	0.00012	< 0.00010	0.0308	< 0.020	< 0.000050	< 0.010	0.0000502	50.7	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
FR_FR2	FR_FR2_WS_2022-07-09_N		214	0.0166	0.00015	0.00011	0.0322	< 0.020	< 0.000050	< 0.010	0.0000554	52.3	0.00011	< 0.10	< 0.00050	0.018	< 0.000050
FR_FR2	FR_FR2_WEK_2022-07-11_N	2022-07-12	231	0.0173	0.00014	0.00012	0.0357	< 0.020	< 0.000050	< 0.010	0.0000606	56.4	0.00013	< 0.10	< 0.00050	0.021	< 0.000050

< Denotes concentration less than indicated detection limit

Denotes analysis not conducted
 n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

Sample S										Total Metals							
E. MOG PWAL No. P. M.										10.00.00							
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E. MOG PWAL No. P. M.			<u> </u>	≟	g	bu	, k	tas	len	Ne Ve	dic	uo.	≣	_	ani	äni	ဥ
BC WOOF FIRM. Part 177 2077	Sample	Sample	Sample Date 🖺	Ë	₽	Na Na	ž	δ.	Se	li <u>s</u>	So	Str	루	⊨	#	ا تُ	ļ ji
SEMDEPANA PAPE P	Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SEMDEPANA PAPE P						Si	<u>:</u>		ic	_						. <u>2</u>	
SEMDEPANA PAPE P						ror lte	5		ror	ro lte						5	l de lite
Formal Fig.						% G	ວົ		Сh	წ ნ						5	S E
PR PR PR PR PR PR CFR 20220704 187 20220705 183 2003 104 2020089 - 4,00009 0.42 0.07 0.00009 - 0.000	BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a		0.033-2 ^a 0.0075-2 ^a
Fr FR FR FR FR FR FR FR	Fording River Operation		1			<u> </u>								•			<u> </u>
Fig. Fig. Fig. Fig. Modify 2022-26.01 No. 2022-26.00 No. 2022-	FR_FR1	FR_FR1_QTR_2022-07-04_NP		0.003	10.4	0.00263	< 0.00050	0.386	4.62	< 0.000010	0.42	0.07	< 0.000010	< 0.00010	0.00042	0.000529	< 0.0030
FR FRI																	
PR PR PR CTR C	_																
FR_FRI FR_FRI_MON_2022-11-07 NP 2022-11-05 386 0.011 30 0.00072 0.00023 0.0213 22.8 4 -0.000010 0.00013 0.000010 0.0	_																
FR FR FR FR FR FR FR FR																	
FR FRC FR FRC WR 2022-249 N																	
FR FRQ FR FRQ WORLD 202-03-8 N																	
FR FRQ FR FRQ WFX (2022-05)-1 N 2022-05-5 N 2022-05-5 N 2000F 7-3 (0.0772																	
FR FRQ FR FRQ WFK 2022-01-16 NP 2022-01-17 (70) 0.0981 7.7	_																
FR FRZ FR FRZ WS 2022-03-15 NP 2022-03-16 PS 0.004 60 0.007 74 0.00091																	
FR FR2 FR FR2 WE 2022-03-16 NP 2022-03-17 (PS 00 0.094) 75.9	_			0.094						< 0.000010							0.0048
FR FR2 FR FR2 WS 2022-03-17 NP 2022-03-17 NP 2022-03-17 NP 2022-03-17 NP 2022-03-17 NP 2022-03-17 NP 2022-03-17 NP 2022-03-17 NP 2022-03-17 NP 2022-03-17 NP 2022-03-18 NP	FR_FR2	FR_FR2_WS_2022-03-16_NP	2022-03-16 668	0.081	74.6	0.0242	0.0059	2.4	79.9	< 0.000010	3.76	0.23	< 0.000010	< 0.00010	0.00188	0.0051	0.0054
FF, FF2 FF, FF	FR_FR2	FR_ FR2_WEK_2022-03-16_NP	2022-03-16 630	0.084	75.9	0.0218	0.00554		79	< 0.000010	3.66	0.22	0.000012	< 0.00010	< 0.00180	0.00459	0.0042
FF FR FR FR FR FR FR FR FR FR FR FR FR F																	
FR FRZ FR FRZ WK 2022-18 NP 2022-03-19 NP 2022-03-19 NP 2022-03-19 NP 2022-03-19 NP 2022-03-19 NP 2022-03-19 NP 2022-03-19 NP 2022-03-20 NP 20																	
FR FR2 FR FR2 WS 2022-03-19 NP 2022-03-20 NP 2022-03-20 R6																	
FR FR2 FR FR2 WS 2022-03-20 NP 2022-03-20 68 0.087 72.4 0.0204 0.0056 2.43 81.5 < 0.000010 3.94 0.23 0.000010 0.00070 0.00050 0.00083 0.00061 FR FR2 FR FR2 FR FR2 Z NS 2022-03-22 10 45 0.079 70.6 0.0012 0.00061 0.0																	
FR FR2 FR FR2 Z WS 2022-03-21 NP 2022-03-21 645 0.087 73 0.0212 0.00613 2.5 81 < 0.000010 3.98 0.33 0.000011 < 0.000010 < 0.000060 0.00488 0.0061 FR FR2 FR FR2 Z WS 2022-03-22 646 0.079 70.6 0.0192 0.00693 2.46 86.5 < 0.000010 3.04 0.23 < 0.000011 < 0.000010 < 0.00060 0.00481 0.0045 FR FR FR2 FR FR FR2 Z WS 2022-03-23 NP 2022-03-23 686 0.08 72.5 0.0192 0.00702 2.41 85.8 < 0.000010 3.74 0.23 0.000011 < 0.00010 0.00544 0.0064 0.0064	_																
FR FR2 FR FR2 VBS 2022-03-32 NP 2022-03-32 NP 2022-03-32 NP 2022-03-32 NP 2022-03-33 NP 2022-04-55 N	_																
FR FR2 FR FR2 WS 2022-03-23 NP 2022-03-30 848 0.076 74.8 0.0991 0.00638 2.39 81.4 < 0.000010 3.74 (0.23 0.000011 < 0.00054 0.00054 0.00568 0.0064 FR FR2 FR FR2 WFK 2022-04-10 N 2022-04-05 N 2022-04-05 N 2022-04-05 N 2022-04-05 N 2022-04-05 N 2022-04-05 N 2022-04-05 N 2022-04-10 N 2022-04-05 N 2022-04-10	_																
FR FR2 FR DCT WEK 2022-03-28 N 2022-03-30 656 0.08 72.5 0.00992 0.000702 2.41 85.8 < 0.000010 3.62 0.22 0.000013 0.00013 0.00014 0.00044 0.00047 FR FR2 FR FR2 MPR 2000 2022-04-10 1N 2022-04-12 602 0.074 8.2 0.00157 0.0108 2.55 70.00010 2.59 0.000010 2.90 0.25 0.000016 < 0.00010 0.00048 0.00040 0.0007 FR FR2 FR FR2 WEK 2022-04-18 N 2022-04-18 0.00014 0.0027 0.0013 2.55 90 < 0.000010 2.90 0.25 0.000016 < 0.00010 0.00037 0.00058 0.00079 FR FR2 FR FR2 WEK 2022-04-18 N 2022-04-19 635 0.086 73.65 0.0117 0.0109 2.5 109.5 < 0.000010 3.01 0.24 0.000016 < 0.00001 0.000037 0.00505 0.00092 FR FR2 FR FR2 WEK 2022-04-18 N 2022-04-19 635 0.086 73.65 0.0117 0.0109 2.5 109.5 < 0.000010 3.33 0.22 0.000012 < 0.000010 < 0.000037 0.00050 0.00001																	
FR FR2 FR FR2 FR FLD WEK 2022-04-18 N 2022-04-18 S 020 0074 68.2																	
FR FR2 FR DC1 WEX 2022-04-18 N 2022-04-18 N 2022-04-18 N 2022-04-19 N 2022-05-10 N	FR_FR2		2022-04-05 594			0.0157	0.0106	2.555	78.35	< 0.000010	2.62	0.22	0.000018	< 0.00010	0.003185	0.00376	0.0097
FR FRZ FR FLD WEK 2022-04-18 N 2022-04-19 635 0.086 73.65		FR_FR2_WEK_2022-04-11_N	2022-04-12 602	0.074	68.2		0.0139	2.55	90		2.99	0.25	0.000016	< 0.00010	0.00049	0.00403	
FR. FR.2 FR. FL. WEK. 2022-04-25 N 2022-05-01 N 2022-05-00 N 2022-05-20																	
FR FR2 FR2 MS 2022-05-01 N 2022-05-01 4 0,50 0,0016 0,0055																	
FR FR2 FR FR2 WEK 2022-05-10 N 2022-05-10 442 0.032 41.8 0.014 0.0086 1.86 58.7 < 0.000010 1.55 0.14 0.000015 < 0.00010 0.00132 0.00267 0.0089 FR FR2 FR FR2 WEK 2022-05-13 N 2022-05-19 430 0.034 37.9 0.0176 0.00007 1.55 56 < 0.000010 1.67 0.13 0.000017 < 0.00010 0.00011 0.00011 0.00032 0.0033 0.034 37.9 0.0176 0.00007 1.55 56 < 0.000010 1.67 0.13 0.000017 < 0.00010 0.00010 0.00011 0.00032 0.0033 0.034 37.9 0.0176 0.00007 1.55 56 < 0.000010 1.68 0.13 < 0.000010 0.00010 0.00010 0.00011 0.00032 0.0033 0.0013 FR FR2 FR FR2 WEX 2022-05-27 NP 2022-05-27 0.50 0.0016 0.00050 < 0.000010 0.0																	
FR FR2 FR FR2 WEK 2022-05-16 N 2022-05-19 434 0.039 47.4 0.0408 0.0103 1.82 61.5 < 0.000010 1.67 0.13 0.000017 < 0.00010 0.00111 0.00283 0.0132 FR FR2 FR FR2 WEK 2022-05-27 NP 2022-05-27 8.0 0.034 37.9 0.0176 0.00007 < 0.00007 1.55 56 < 0.000010 1.58 0.13 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.0000																	
FR_FR2																	
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FR_FR2																	
FR_FR2			2022-06-08 250	0.018	25.2												
FR FR2				0.014	20.05	0.02435	0.00331	0.885	16.05	< 0.000010	0.93	0.08	< 0.000010	< 0.00010	0.001525	0.00108	0.0075
FR_FR2													-			-	
FR FR2															_		
FR_FR2																	
FR_FR2 FR_E WEK_2022-07-05 N 2022-07-06 223 0.018 20.1 0.0036 0.00254 0.94 23.7 < 0.00010 1.04 0.09 < 0.00010 < 0.00010 < 0.00030 0.00137 < 0.0030 FR_FR2 FR_E WEK_2022-07-06 N 2022-07-06 N 2022-07-06 N 2022-07-06 N 2022-07-07 N 2022-07-08 N 2022-07-08 N 2022-07-08 N 2022-07-08 N 2022-07-08 N 2022-07-08 N 2022-07-08 N 2022-07-08 N 2022-07-08 N 2022-07-08 N 2022-07-08 N 2022-07-08 N 2022-07-08 N 2022-07-08 N 2022-07-08 N 2022-07-09 N 200259 N 0.00259																	
FR_FR2 FR_DC1_WEK_2022-07-06_N 2022-07-07_N 2022-07_07_N	_																
FR_FR2 FR_DC1_WEK_2022-07-07 N 2022-07-07 238 0.019 20.8 0.00387 0.00259 0.884 20.5 < 0.000010 1.01 0.08 < 0.00010 < 0.00010 0.00033 0.00128 0.0032 FR_FR2 FR_FR3_WEK_2022-07-07 N 2022-07-07 229 0.02 22.4 0.00394 0.00287 0.911 22.7 < 0.000010 1.09 0.09 < 0.000010 < 0.00010 0.00038 0.00127 < 0.0030 FR_FR2 FR_DC1_WEK_2022-07-08 N 2022-07-08 229 0.02 22.2 0.00281 0.00265 0.917 24 < 0.000010 1.08 0.09 < 0.00010 < 0.00010 < 0.00010 < 0.00030 0.0013 0.0049 FR_FR2 FR_FR3_WEK_2022-07-08 N 2022-07-08 215 0.017 20.5 0.00207 0.00234 0.825 20.4 < 0.000010 0.00010 < 0.00010 < 0.00010 < 0.00030 0.00125 0.0044 FR_FR2 FR_FR2_WS_2022-07-09 N 2022-07-09 214 0.018 21.2 0.00259 0.00236 0.87 21 < 0.000010 1 0.08 < 0.00010 < 0.00010 < 0.00010 < 0.00030 0.00118 0.0038	_																
FR_FR2 FR_DC1_WEK_2022-07-07 N 2022-07-08 229 0.02 22.4 0.00394 0.00287 0.911 22.7 < 0.000010 1.09 0.09 < 0.000010 < 0.00010 0.00038 0.00127 < 0.0030 FR_FR2 FR_DC1_WEK_2022-07-08 N 2022-07-08 229 0.02 22.2 0.00281 0.00265 0.917 24 < 0.000010 1.08 0.09 < 0.000010 < 0.00010 < 0.00010 < 0.00030 0.0013 0.0049 FR_FR2 FR_FR3_WEK_2022-07-08 N 2022-07-08 215 0.017 20.5 0.00207 0.00234 0.825 20.4 < 0.000010 0.96 0.08 < 0.000010 < 0.00010 < 0.00030 0.00125 0.0044 FR_FR2 FR_FR2_WS_2022-07-09 N 2022-07-09 214 0.018 21.2 0.00259 0.00236 0.87 21 < 0.000010 1 0.08 < 0.000010 < 0.00010 < 0.00030 0.00118 0.0038	_																
FR_FR2 FR_DC1_WEK_2022-07-08_N 2022-07-08_ 2290.0222.2																	
FR_FR2 FR_FR2_WS_2022-07-08_N 2022-07-08 215 0.017 20.5 0.00207 0.00234 0.825 20.4 < 0.000010 0.96 0.08 < 0.00010 < 0.00010 < 0.00010 < 0.00030 0.00125 0.0044 FR_FR2_FR2_WS_2022-07-09_N 2022-07-09 214 0.018 21.2 0.00259 0.00236 0.87 21 < 0.00010 1 0.08 < 0.00010 < 0.00010 < 0.00010 < 0.00030 0.00125 0.0038																	
FR_FR2 FR_FR2_WS_2022-07-09_N 2022-07-09 214 0.018 21.2 0.00259 0.00236 0.87 21 <0.000010 1 0.08 <0.00010 <0.00010 <0.00010 <0.00030 0.00118 0.0038																	
ED ED 2 WEK 2022 07 11 N 2022 07 12 221 0 021 22 0 00067 0 00067 0 00000 0 00000 0 00000 0 00000 0 00000	FR_FR2		2022-07-09 214	0.018	21.2												0.0038
FR_FR2 FR_FR2_WEK_2022-07-11_N 2022-07-12 231 0.021 22 0.00367 0.00288 0.981 24.7 < 0.000010 1.1 0.09 < 0.00010 < 0.00010 0.00034 0.00138 0.0036	FR_FR2	FR_FR2_WEK_2022-07-11_N	2022-07-12 231	0.021	22	0.00367	0.00288	0.981	24.7	< 0.000010	1.1	0.09	< 0.000010	< 0.00010	0.00034	0.00138	0.0036

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

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Sample	Sample	Sample Date	Чaг	₽	Ant	Ars	Bar	3er	N Si	3or	Sac	a S	કું	50	Ö	5	Lea
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg	/L	mg/L
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BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
FR FR2	FR DC2 MON 2022-08-01 N	2022-08-10	275	0.02295	0.00017	< 0.00010	0.0396	< 0.020	< 0.000050	< 0.010	0.0000781	66.6	< 0.00010	< 0.10	< 0.00050	0.037	< 0.000050
FR FR2	FR FR2 MON 2022-08-01 N	2022-08-10	453	0.02293	0.00017	0.00010	0.06825	< 0.020	< 0.000050	0.013	0.0000781	103	0.00010	< 0.10	< 0.00050	0.037	< 0.000050
FR_FR2	FR_FR2_WS_SEPT-2022_N	2022-09-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_FR2	FR_DC1_WS_SEPT-2022_N	2022-09-06	546	0.0054	0.00024	0.00015	0.0702	< 0.020	< 0.000050	0.013	0.000033	121	0.00013	< 0.10	< 0.00050	0.01	< 0.000050
FR_FR2	FR_FLD1_WS_SEPT-2022_N	2022-09-06	534	0.005	0.00023	0.00015	0.0704	< 0.020	< 0.000050	0.013	0.0000225	120	0.00011	< 0.10	< 0.00050	0.013	< 0.000050
FR_FR2 FR_FR2	FR_FR2_MON_2022-09-01_N FR_FR2_MON_2022-10-01_N	2022-09-07 2022-10-04	< 0.50 536	< 0.0030 0.011	< 0.00010 0.00022	< 0.00010 0.00016	< 0.00010 0.0773	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 0.013	< 0.0050 0.0000736	< 0.050 130	< 0.00010 0.00013	< 0.10 < 0.10	< 0.00050 < 0.00050	< 0.010 0.028	< 0.000050 < 0.000050
FR_LMP1	FR_LMP1_MON_2022-10-01_N	2022-10-04	606	0.0119	0.00025	0.00010	0.0773	< 0.020	< 0.000050	0.013	0.0000730	147	< 0.00013	< 0.10	< 0.00050	0.028	< 0.000050
FR_LMP1	FR_LMP1_WS_2022-01-15_NP	2022-01-15	1040	0.0095	0.00095	0.0005	0.0962	< 0.020	< 0.000050	0.019	0.000344	223	< 0.00010	0.0011	0.00058	0.044	< 0.000050
FR_LMP1	FR_LMP1_WS_2022-01-20_NP		1010	0.0123	0.00107	0.00064	0.0937	< 0.020	< 0.000050	0.019	0.000361	224	< 0.00010	0.00119	0.00064	0.049	< 0.000050
FR_LMP1 FR_LMP1	FR_LMP1_WS_2022-01-27_NP FR_LMP1_WS_2022-02-04_NP	2022-01-27 2022-02-04	998 1020	0.0221	0.00102 0.0013	0.00066 0.00072	0.0987 0.103	< 0.020 < 0.020	< 0.000050 < 0.000050	0.021	0.000389 0.000398	235 240	< 0.00010 0.00018	0.001 0.00135	0.00078 0.00071	0.064	0.000082 0.000067
FR LMP1	FR LMP1 WS 2022-02-04 NP		1020	0.0309	0.0013	0.00072	0.103	< 0.020	< 0.000050	0.02	0.000396	234	0.00018	0.00099	0.00071	0.09	0.000081
FR LMP1	FR LMP1 WS 2022-02-17 NP		1090	0.0368	0.00098	0.00072	0.117	< 0.020	< 0.000050	0.022	0.000399	263	0.00012	0.00083	0.00113	0.09	0.000073
FR_LMP1	FR_LMP1_WS_2022-02-24_NP	2022-02-24	1020	0.0294	0.00136	0.00081	0.105	< 0.020	< 0.000050	0.025	0.000369	239	0.00011	0.00158	0.00071	0.102	0.000081
FR_LMP1	FR_LMP1_WS_2022-03-03_NP		1050	0.0246	0.00139	0.00056	0.0973	< 0.020	< 0.000050	0.021	0.000339	231	0.00018	0.00168	0.0007	0.089	0.000121
FR_LMP1 FR_LMP1	FR LMP1 WS 2022-03-09 NP FR LMP1 WS 2022-03-16 NP		1120 1070	0.163 0.0387	0.00145 0.00145	0.00068	0.115 0.0921	< 0.020 < 0.020	< 0.000050 < 0.000050	0.019	0.000468 0.00036	261 244	0.00078 0.00012	0.002 0.00149	0.00113 0.00068	0.214 0.114	0.000172 0.000079
FR LMP1	FR LMP1 WEK 2022-03-21 N	2022-03-10	961	0.0364	0.00099	0.00069	0.0921	< 0.020	< 0.000050	0.02	0.00038	261	0.00012	0.00078	0.00008	0.114	0.000079
FR_LMP1	FR_FLD_WEK_2022-03-21_N	2022-03-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_LMP1	FR_LMP1_WS_2022-03-24_NP	_	< 0.50	< 0.0030	< 0.00010	< 0.00010	< 0.00010	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
FR_LMP1	FR_LMP1_WS_2022-03-30_NP	2022-03-30	858	0.0396	0.00215	0.00059	0.11	< 0.020	< 0.000050	0.022	0.000324	225	0.0002	0.00257	0.00074	0.144	0.000184
FR_LMP1 FR_LMP1	FR_LMP1_MON_2022-04-01_N FR_LMP1_WS_2022-04-05_NP	2022-04-01 2022-04-05	907 819	0.0892 0.154	0.00509 0.00574	0.00097 0.00086	0.364	< 0.020 < 0.020	< 0.000050 < 0.000050	0.024 0.024	0.000358 0.000318	217 188	0.00022 0.00029	0.00507 0.00885	0.00105 0.00095	0.131 0.162	0.000138 0.000126
FR LMP1	FR LMP1 WS 2022-04-12 NP	2022-04-12	820	0.0193	0.00546	0.00076	0.112	< 0.020	< 0.000050	0.024	0.000315	183	< 0.00010	0.00936	0.00083	0.082	0.000054
FR_LMP1	FR_LMP1_WEK_2022-04-18_N	2022-04-20	924	0.03	0.00399	0.00058	0.187	< 0.020	< 0.000050	0.022	0.000332	225	0.00014	0.00355	0.00075	0.088	0.000052
FR_LMP1	FR_LMP1_WS_2022-04-28_NP	2022-04-28	978	0.0031	0.00089	0.0003	0.0615	< 0.020	< 0.000050	0.015	0.000342	218	< 0.00010	0.00056	0.00063	< 0.010	< 0.000050
FR_LMP1 FR_LMP1	FR_LMP1_WEK_2022-04-25_N FR_LMP1_MON_2022-05-01_N	2022-04-28 2022-05-05	748	0.0222	0.00066	0.00028	0.0584	< 0.020	< 0.000050	0.014	0.000369	178	0.0001	0.00046	0.00086	0.051	0.000056
FR LMP1	FR LMP1 WS 2022-05-10 NP	2022-05-10	705	0.0228	0.00069	0.0003	0.0529	< 0.020	< 0.000050	0.014	0.000506	169	0.00011	0.00066	0.00113	0.044	0.000052
FR_LMP1	FR_LMP1_WEK_2022-05-09_N	2022-05-12	608	0.0264	0.00051	0.00021	0.0382	< 0.020	< 0.000050	0.011	0.000388	127	0.00042	0.0004	0.001	0.029	0.000225
FR_LMP1	FR_LMP1_WEK_2022-05-16_N	2022-05-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_LMP1 FR_LMP1	FR_LMP1_WS_2022-05-23_NP FR_LMP1_WEK_2022-05-30_N	2022-05-23 2022-06-01	- 624	0.014	0.00048	0.0002	0.0402	< 0.020	< 0.000050	0.01	0.000369	136	0.00029	0.00021	0.00099	0.024	< 0.000050
FR_LMP1	FR_LMP1_WEK_2022-05-30_N FR_LMP1_WS_2022-06-08_NP	2022-06-01		- 0.014	0.00048	0.0002	0.0402	< 0.020	< 0.000050	0.01	0.000369	-	0.00029	-	0.00099	0.024	- 0.00000
FR_LMP1	FR_LMP1_WEK_2022-06-13_N		440	0.0156	0.00044	0.00022	0.0398	< 0.020	< 0.000050	< 0.010	0.000286	97.3	< 0.00010	0.00016	0.00108	0.024	< 0.000050
FR_LMP1	FR_LMP1_WS_2022-06-22_NP	2022-06-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_LMP1	FR_LMP1_WEK_2022-06-27_N	2022-06-30	393	0.0278	0.00063	0.00024	0.0386	< 0.020	< 0.000050	0.01	0.000385	88.8	0.00014	0.00052	0.00141	0.036	< 0.000050
FR_LMP1 FR_LMP1	FR_LMP1_WS_2022-07-05_NP FR_LMP1_WEK_2022-07-11_N	2022-07-05 2022-07-13	- 535	0.0408	0.00043	0.00021	0.0405	< 0.020	< 0.000050	0.01	0.000412	124	0.00015	0.00024	0.00125	0.068	0.000096
FR LMP1	FR LMP1 WS 2022-07-11 N	2022-07-13	-	-	-	-	-	- 0.020	- 0.000030	-	-	-	-	-	-	-	-
FR_LMP1	FR_LMP1_MON_2022-08-01_N		668	0.0144	0.0005	0.00019	0.046	< 0.020	< 0.000050	0.01	0.000478	165	0.00013	0.00021	0.00094	0.021	< 0.000050
FR_LMP1	FR_LMP1_WS_2022-08-17_NP		992	0.0134	0.00056	0.00028	0.059	< 0.020	< 0.000050	0.012	0.000575	219	< 0.00010	0.00026	0.00085	0.018	< 0.000050
FR_LMP1	FR_LMP1_WS_VS_SESMP_2022-08_N	_	1120	0.0173	0.00061	0.0002	0.0558	< 0.020	< 0.000050	0.012	0.0005	249	< 0.00010	0.00035	0.00078	0.014	< 0.000050
FR_LMP1 FR_LMP1	FR_LMP1_WS_2022-09-01_NP FR_LMP1_WS_SEPT-2022_N		1100 1170	0.0178 0.0073	0.0006 0.0006	0.00036 < 0.00050	0.065 0.0573	< 0.020 < 0.020	< 0.000050 < 0.000050	0.013 0.015	0.000502 0.00029	239 277	0.00012 < 0.00010	0.00041 0.00029	0.00088 0.0007	0.051 < 0.010	0.000065 < 0.000050
FR_LMP1	FR_LMP1_WS_2022-09-13_NP	_	1120	< 0.0073	0.00068	0.00019	0.0601	< 0.020	< 0.000050	0.013	0.00023	248	< 0.00010	0.00028	0.00075	< 0.010	< 0.000050
FR_LMP1	FR_LMD_MON_2022-10-01_N	2022-10-13	1340	0.0149	0.0006	0.00037	0.0597	< 0.020	< 0.000050	0.015	0.000446	271	0.00019	0.00028	0.00074	0.017	< 0.000050
FR_LMP1	FR_LMD_WS_2022-11-15_NP	_	1220	0.0071	0.00059	0.0002	0.0597	< 0.020	< 0.000050	0.014	0.00055	285	< 0.00010	0.00022	0.00072	< 0.010	< 0.000050
FR_LP1	FR_LP1_WS_2022-05-22_N	2022-05-22	1470	0.0103	0.00066	0.00024	0.0538	< 0.020	< 0.000050	0.014	0.000398	299	< 0.00010	0.00026	0.00068	0.014	< 0.000050

< Denotes concentration less than indicated detection limit

Denotes analysis not conducted
 n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

									Total Matala							1
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Sample	Sample	Sample Date	Ë	Ma	∑ B	Ë	Po	Sel	Siv		ठ	Ĕ	Ţ	i ii	, i	Zir
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/l	_mg/l	mg/L	mg/L	mg/L	mg/L	mg/L
					Acute	Chronic		Chronic	Acute						Chronic	Acute Chronic
BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Fording River Operation	ED DOO MON 0000 00 04 N	0000 00 40 075	0.007	00.0	0.00400	0.000405	4.405	05.0	I	14.40	104	. 0 000040	. 0 00040	. 0 00000	0.004075	0.0044
FR_FR2 FR_FR2	FR_DC2_MON_2022-08-01_N FR_FR2_MON_2022-08-01_N	2022-08-10 275 2022-08-10 453	0.027	29.2 47.5	0.00408 0.009235	0.003165 0.00578	1.195 1.85	35.3 51.4	< 0.000010 < 0.000010		0.1		< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.001875 0.002945	0.0044 0.00415
FR FR2	FR FR2 WS SEPT-2022 N	2022-09-06 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_FR2	FR_DC1_WS_SEPT-2022_N	2022-09-06 546	0.057	55.9	0.0075	0.00693	1.94	67.2	< 0.000010	2.51	0.17	0.000013	< 0.00010	< 0.00030	0.00324	< 0.0030
FR_FR2	FR_FLD1_WS_SEPT-2022_N		0.057	55.7	0.0067	0.00697	1.94	66.8	< 0.000010		0.17		< 0.00010	< 0.00030	0.00324	< 0.0030
FR_FR2	FR_FR2_MON_2022-09-01_N			< 0.0050		< 0.00050	< 0.050		< 0.000010		50.000		< 0.00010	< 0.00030	< 0.000010	< 0.0030
FR_FR2 FR_LMP1	FR_FR2_MON_2022-10-01_N FR_LMP1_MON_2022-01-04_N	2022-10-04 536 2022-01-07 606	0.061	58.7 71.4	0.00932 0.00948	0.0067 0.00802	1.91 2.39	67.4 77.1	< 0.000010 < 0.000010		0.2		< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.0034 0.00484	0.0041 0.004
FR_LMP1	FR_LMP1_MON_2022-01-04_N FR_LMP1_WS_2022-01-15_NP		0.078	101	0.00948	0.00802	4.48	193	< 0.000010		0.21		< 0.00010	< 0.00030	0.00484	0.004
FR LMP1	FR LMP1 WS 2022-01-20 NP		0.034	109	0.0195	0.0235	4.34	212	< 0.000010		0.22		< 0.00010	< 0.00030	0.00562	0.019
FR_LMP1	FR_LMP1_WS_2022-01-27_NP	2022-01-27 998	0.037	112	0.0188	0.0245	4.64	230	< 0.000010	1.4	0.22	0.000056	0.00011	0.00064	0.0061	0.0194
FR_LMP1	FR_LMP1_WS_2022-02-04_NP	2022-02-04 1020		107	0.0176	0.026	4.47	223	< 0.000010		0.23		0.00045	0.0005	0.00561	0.016
FR_LMP1	FR_LMP1_WS_2022-02-10_NP		0.038	112	0.0133	0.024	4.23	209	0.000017		0.22		< 0.00010	< 0.00060	0.0059	0.02
FR_LMP1	FR_LMP1_WS_2022-02-17_NP		0.039	121 111	0.0134	0.0238 0.0257	4.7	236 206	< 0.000010 < 0.000010		0.24		< 0.00010 < 0.00010	< 0.00060 < 0.00090	0.00637	0.0171 0.0158
FR_LMP1 FR_LMP1	FR_LMP1_WS_2022-02-24_NP FR_LMP1_WS_2022-03-03_NP		0.044		0.018 0.016	0.0257	5.84 4.98	209	< 0.000010		0.29		< 0.00010	< 0.00090	0.00576 0.00574	0.0174
FR LMP1	FR LMP1 WS 2022-03-09 NP		0.035		0.02	0.0289	5.15	256	0.000010		0.25		< 0.00010	< 0.00570		0.0198
FR_LMP1	FR_LMP1_WS_2022-03-16_NP		0.038		0.0192	0.0275	5.08	222	< 0.000010	_	0.24		< 0.00010	0.00114	0.00665	0.0153
FR_LMP1	FR_LMP1_WEK_2022-03-21_N	2022-03-22 961	0.04	127	0.0128	0.0238	4.81	237	< 0.000010	1.45	0.23	0.000052	< 0.00010	0.00076	0.006	0.0317
FR_LMP1	FR_FLD_WEK_2022-03-21_N	2022-03-22 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_LMP1	FR_LMP1_WS_2022-03-24_NP			< 0.0050	< 0.00010 0.0198	< 0.00050	< 0.050		< 0.000010		0.000		< 0.00010	< 0.00030	< 0.000010	< 0.0030 0.0194
FR_LMP1 FR_LMP1	FR_LMP1_WS_2022-03-30_NP FR_LMP1_MON_2022-04-01_N	2022-03-30 858 2022-04-01 907	0.048		0.0196	0.0312 0.0422	5.94 6.46	199 184	< 0.000010 < 0.000010		0.24		< 0.00010 < 0.00010	0.00062 0.00217	0.00547 0.00594	0.0194
FR LMP1	FR LMP1 WS 2022-04-05 NP	2022-04-05 819	0.043	92.7	0.0336	0.0601	6.51	163	< 0.000010		0.63		< 0.00010	< 0.00217	0.0054	0.0145
FR_LMP1	FR_LMP1_WS_2022-04-12_NP	2022-04-12 820	0.062		0.0323	0.0615	6.31	162	< 0.000010		0.66		< 0.00010	< 0.00030	0.00514	0.0148
FR_LMP1	FR_LMP1_WEK_2022-04-18_N	2022-04-20 924	0.053	99	0.0181	0.0344	5.81	180	< 0.000010	1.67	0.48	0.000052	< 0.00010	0.0005	0.00536	0.0152
FR_LMP1	FR_LMP1_WS_2022-04-28_NP	2022-04-28 978	0.024		0.00393	0.0216	3.62	224	< 0.000010		0.19		< 0.00010	< 0.00030	0.00588	0.0157
FR_LMP1	FR_LMP1_WEK_2022-04-25_N	2022-04-28 748	0.018	85.8	0.00488	0.0184	3.42	188	< 0.000010		0.14	0.000031	< 0.00010	< 0.00060	0.00471	0.0199
FR_LMP1 FR_LMP1	FR_LMP1_MON_2022-05-01_N FR_LMP1_WS_2022-05-10_NP	2022-05-05 - 2022-05-10 705	0.018	79.8	0.00482	0.025	3.49	190	< 0.000010	- 0.05	0.13	0.00038	< 0.00010	0.00037	0.00432	0.028
FR_LIMP1	FR LMP1_WS_2022-05-10_NP FR LMP1_WEK_2022-05-09_N	2022-05-10 705	0.018		0.00482	0.025	2.68	134	< 0.000010		0.13		< 0.00010	0.00037	0.00432	0.028
FR_LMP1	FR_LMP1_WEK_2022-05-16_N	2022-05-16 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_LMP1	FR_LMP1_WS_2022-05-23_NP	2022-05-23 -	-	-	-	-		-	-	-	-	-	-	-	-	-
FR_LMP1	FR_LMP1_WEK_2022-05-30_N	2022-06-01 624	0.013	67	0.00232	0.0155	2.63	158	< 0.000010	0.79	0.11	0.000025	0.00082	< 0.00030	0.00331	0.0203
FR_LMP1	FR_LMP1_WS_2022-06-08_NP	2022-06-08 -	-	-	- 0.0000	- 0.0440	- 0.40	-	- 0.000040	-	-	- 0.000046		- 0.00040	- 0.00040	- 0.0474
FR_LMP1 FR_LMP1	FR_LMP1_WEK_2022-06-13_N FR_LMP1_WS_2022-06-22_NP	2022-06-14 440 2022-06-22 -	0.009	45.4	0.00225	0.0119	2.18	91.4	< 0.000010	0.61	0.08		< 0.00010	0.00043	0.00218	0.0171
FR LMP1	FR LMP1 WEK 2022-06-27 N		0.011	42.6	0.00306	0.0212	2.33	80.1	< 0.000010		0.09		< 0.00010	0.00049	0.00219	0.023
FR LMP1	FR LMP1 WS 2022-07-05 NP	2022-07-05 -	-	-	-	-	-	-	-		-		-	-	-	-
FR_LMP1	FR_LMP1_WEK_2022-07-11_N		0.011	54.6	0.00498	0.0167	2.3	115	0.000016	0.68	0.09	0.000027	< 0.00010	0.00059	0.00277	0.0226
FR_LMP1	FR_LMP1_WS_2022-07-19_NP	2022-07-19 -	-	-	-	-	-	-	-		-	-	-	-	-	-
FR_LMP1	FR_LMP1_MON_2022-08-01_N		0.012		0.00395	0.0221	2.58	173	< 0.000010		0.13		< 0.00010		0.00388	0.0279
FR_LMP1 FR_LMP1	FR_LMP1_WS_2022-08-17_NP FR_LMP1_WS_WS_SESMP_2022-08_N		0.017		0.00434 0.00495	0.0306	3.46	262 264	< 0.000010 < 0.000010		0.17		< 0.00010 < 0.00010		0.00567	0.0324 0.029
FR_LMP1 FR_LMP1	FR LMP1_WS_WS_SESMP_2022-08_N FR LMP1_WS_2022-09-01_NP		0.019		0.00495 0.00605	0.0377 0.0392	3.4 3.37	264	< 0.000010		0.18		< 0.00010		0.00672 0.00679	0.029
FR LMP1	FR_LMP1_W3_2022-09-01_NP FR_LMP1_WS_SEPT-2022_N		0.019	129	0.00373	0.0386	3.4	300	< 0.000010		0.19		< 0.00010	< 0.00037		0.0313
FR_LMP1	FR_LMP1_WS_2022-09-13_NP		0.023		0.00296	0.0408	3.7	347	< 0.000010		0.2		< 0.00010			0.0231
FR_LMP1	FR_LMD_MON_2022-10-01_N	2022-10-13 1340	0.02	136	0.0056	0.0364	3.71	287	< 0.000010	1.18	0.2	0.000038	< 0.00010	< 0.00030	0.00721	0.0271
FR_LMP1	FR_LMD_WS_2022-11-15_NP		0.019		0.00446	0.0404	3.76	281	< 0.000010		0.21		< 0.00010			0.03
FR_LP1	FR_LP1_WS_2022-05-22_N	2022-05-22 1470	0.025	130	0.00475	0.0436	3.87	332	< 0.000010	1.37	0.22	0.000043	< 0.00010	< 0.00030	0.00911	0.024

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

			Г								Total Metals						
			un l	Ε	>			*			_		Ε				
			Jes	<u>n</u>	ynor	흕	*	<u> </u>	£	_	dmiun	Ę	aji.	=	ē		
			ardı	<u><u>E</u></u>	l ij	Ser	arin	ly.	ms	oro	adu	alci	Ī	opa	ddo	5	ead
Sample Location	Sample ID	Sample Date (mm/dd/yyyy)	Ξ̈́ ma/l	₹ mg/L		mg/L	mg/L	mg/L	mg/L	മ mg/L	ල mg/L	ල mg/L	ਹ mg/L	mg/L	ن mg	<u> ≗</u>	ー ゴ mg/L
Location	שו	(ппплаалуууу)	mg/L	mg/L	mg/L		. <u>o</u>	. <u>0</u>	mg/L	.2	mg/L	mg/L	mg/L		mg	<u>,, </u>	
						cute	o L	lo n		ron				Acute Chronic		√cute	ute
						Ac	ပ္	5		ပ်				S P		Ac	Ch Ac
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Fording River Operation FR LP1	FR LP1 WS 2022-05-23 N	2022-05-23	501	0.0743	0.00063	0.00031	0.0792	< 0.020	< 0.000050	0.016	0.0000898	90.8	0.00021	0.0004	0.00076	0.066	0.000087
FR_LP1	FR_LP1_WS_2022-05-24_N	2022-05-24	494	0.105	0.00056	0.00028	0.0708	< 0.020	< 0.000050	0.015	0.0000929	89.7	0.00021	0.0003	0.00076	0.064	0.000086
FR_LP1	FR_LP1_WS_2022-05-25_N	2022-05-25	494	0.0818	0.00059	0.00026	0.0704	< 0.020	< 0.000050	0.02	0.0000936	96.1	0.00027	0.00033	0.00082	0.064	0.000082
FR_LP1	FR_LP1_WS_2022-05-26_N FR_LP1_WS_2022-05-27_N	2022-05-26 2022-05-27	494 480	0.0829 0.0862	0.00061 0.00058	0.00027 0.00028	0.072 0.0719	< 0.020 < 0.020	< 0.000050 < 0.000050	0.016 0.018	0.0000851 0.0000932	92.8 91.8	0.0002 0.00018	0.00036 0.00032	0.00087 0.00076	0.055 0.053	0.000085 0.000078
FR_LP1	FR_LP1_WS_2022-05-27_N FR_LP1_WS_2022-05-28_N	2022-05-27	456	0.0662	0.00058	0.00028	0.0719	< 0.020	< 0.000050	0.018	0.0000932	88.1	0.00018	0.00032	0.00078	0.053	0.000078
FR_LP1	FR_LP1_WS_2022-05-29_N	2022-05-29	443	0.0853	0.0005	0.00028	0.0805	< 0.020	< 0.000050	0.018	0.0000937	85.5	0.00023	0.00029	0.00072	0.053	0.000074
FR_LP1	FR_LP1_WS_2022-05-30_N	2022-05-30	441	0.0857	0.00053	0.00026	0.0802	< 0.020	< 0.000050	0.017	0.000101	84.9	0.0002	0.00032	0.00079	0.061	0.000088
FR_LP1 FR_LP1	FR_LP1_WS_2022-06-07_NP FR_LP1_WS_2022-06-08_NP	2022-06-07 2022-06-08	438 460	0.103	0.00053 0.00065	0.00024 0.00028	0.0802 0.0728	< 0.020 < 0.020	< 0.000050 < 0.000050	0.017 0.018	0.0000874 0.0000824	82.6 87	0.0003 0.00016	0.00039 0.00047	0.00081 0.00074	0.074	0.000098 0.000054
FR_LP1	FR_LP1_MON_2022-06-01_NP	2022-06-09	513	0.0843	0.00068	0.00026	0.0656	< 0.020	< 0.000050	0.02	0.000103	96.2	0.00010	0.00047	0.00074	0.07	0.000076
FR_LP1	FR_LP1_WS_2022-06-10_NP	2022-06-10	517	0.0547	0.00048	0.00021	0.0644	< 0.020	< 0.000050	0.018	0.0000877	86.8	0.00014	0.0003	0.0007	0.041	0.000064
FR_LP1 FR_LP1	FR_LP1_WS_2022-06-11_NP FR_LP1_WS_2022-06-12_NP	2022-06-11 2022-06-12	444 432	0.0602 0.0717	0.00052 0.00047	0.00023	0.0739 0.0746	< 0.020 < 0.020	< 0.000050 < 0.000050	0.016 0.016	0.0000967 0.0000945	79.5 77.3	0.00018 0.00016	0.00035 0.00026	0.00092 0.00076	0.052 0.052	0.00007 0.000058
FR LP1	FR LP1 MON 2022-06-13 NP	2022-06-12	424	0.0717	0.00047	0.0002	0.0740	< 0.020	< 0.000050	0.016	0.0000943	77.4	0.00010	0.00020	0.00076	0.032	< 0.000050
FR_LP1	FR_LP1_WS_2022-06-20_NP	2022-06-20	434	0.0499	0.00057	0.00021	0.0763	< 0.020	< 0.000050	0.017	0.0000835	81.1	0.00021	0.00034	0.00088	0.046	0.000085
FR_LP1	FR LP1 WS 2022-06-28 NP	2022-06-28	382	0.159	0.00052	0.00033	0.0823	0.000021	< 0.000050	0.023	0.000148	77.1	0.00038	0.00074	0.00462	0.201	0.00024
FR_LP1 FR_LP1	FR_LP1_WS_2022-07-05_NP FR_LP1_WS_2022-07-12_N	2022-07-05 2022-07-12	436 485	0.0698 0.0507	0.00055 0.00052	0.00026 0.00027	0.0616 0.0684	< 0.020 < 0.020	< 0.000050 < 0.000050	0.024	0.0000653 0.0000663	80.9 94.3	0.00029 0.00016	0.0003 0.00044	0.0029 0.00195	0.056 0.065	0.000095 0.000093
FR LP1	FR LP1 WEK 2022-07-11 N	2022-07-12	540	0.0378	0.00056	0.00027	0.0698	< 0.020	< 0.000050	0.027	0.0000746	98	0.00010	0.00028	0.0019	0.827	0.000054
FR_LP1	FR_LP1_WS_2022-08-18_N	2022-08-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_LP1 FR_LP1	FR_LP1_WS_2022-08-24_N FR_LP1_WS_2022-09-01_N	2022-08-24 2022-09-01	680 752	0.0236 0.025	0.00098 0.00075	0.00083	0.0581 0.0538	< 0.020 < 0.020	< 0.000050 < 0.000050	0.029	0.0000203 0.0000178	113 129	0.00019 0.00011	0.00027 0.0002	0.0011 0.00085	0.018	< 0.000050 < 0.000050
FR LP1	FR_LP1_WS_2022-09-01_N FR_LP1_WS_2022-09-05_N	2022-09-01	733	0.025	0.00073	0.00043	0.0534	< 0.020	< 0.000050	0.029	0.0000178	132	0.00011	0.0002	0.00065	0.018 < 0.010	< 0.000050
FR_LP1	FR_LP1_WS_SEPT-2022_N	2022-09-06	800	0.015	0.00067	0.00045	0.0536	< 0.020	< 0.000050	0.03	0.0000056	121	< 0.00010	0.00013	0.00061	< 0.010	< 0.000050
FR_LP1	FR_LP1_MON_2022-10-01_N	2022-10-12	772	0.0095	0.0007	0.00042	0.0482	< 0.020	< 0.000050	0.03	< 0.0050	122	< 0.00010	< 0.10	0.00051	< 0.010	< 0.000050
FR_LP1 FR_PP1	FR_LP1_MON_2022-11-01_N FR_PP1_MON_2022-01-04_N	2022-11-03 2022-01-07	886 877	0.0124 0.0116	0.00067 0.00066	0.0004 0.00027	0.0436 0.0438	0.000026 < 0.020	0.000188 < 0.000050	0.026 0.031	0.0000092	133 158	0.00014 0.00016	0.00016 0.00021	0.00051 0.00057	< 0.010 0.011	0.000068 < 0.000050
FR_PP1	FR_PP1_MON_2022-02-01_N		1400	< 0.0060	0.00064	0.00028	0.0612	< 0.040	< 0.000100	< 0.020	0.000962	344	< 0.00010	0.00041	0.00122	< 0.020	< 0.000100
FR_PP1	FR_PP1_WS_MON_2022-03-01_N	2022-03-08	1630	0.0071	0.00066	0.00032	0.0654	< 0.040	< 0.000100	< 0.020	0.00103	390	0.0002	0.00035	0.00135	< 0.020	< 0.000100
FR_PP1 FR_PP1	FR_PP1_WEK_2022-03-14_N FR_PP1_WEK_2022-03-21_N	2022-03-14 2022-03-21	1560 1450	0.0078	0.00065	0.00032	0.0619	< 0.040	< 0.000100	< 0.020	0.000972	366	< 0.00020	0.00036	0.00122	< 0.020	< 0.000100
FR_PP1	FR_DC_WEK_2022-03-21_N	2022-03-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_MON_2022-04-01_N	2022-04-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_WEK_2022-04-11_N	2022-04-11		0.358	0.00082			0.000035			0.00129	180	0.00084	0.00238	0.00331	0.353	0.000398
FR_PP1 FR_PP1	FR_DC2_WEK_2022-04-18_N FR_PP1_WEK_2022-04-25_N	2022-04-19 2022-04-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_MON_2022-05-01_N	2022-05-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FR_PP1	FR_PP1_WEK_2022-05-09_N	2022-05-11	_	0.087	0.00079	0.00031	0.0471	< 0.020	< 0.000050	0.017	0.00189	194	0.00025	0.00486	0.00241	0.088	0.000269
FR_PP1 FR_PP1	FR PP1 WEK 2022-05-16 N FR DC2 WEK 2022-05-23 N	2022-05-18 2022-05-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_WEK_2022-05-30_N	2022-06-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_DC2_MON_2022-06-01_N	2022-06-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_DC2_WEK_2022-06-13_N	2022-06-15	1040	0.03785	0.000575	0.000285	0.0527	< 0.020	< 0.000050	0.011	0.001185	259.5	0.00015	0.000965	0.002045	0.061	< 0.000050
FR_PP1 FR_PP1	FR_PP1_WEK_2022-06-20_N FR_PP1_WEK_2022-06-27_N	2022-06-20 2022-06-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_DC2_MON_2022-07-01_N	2022-07-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_PP1	FR_PP1_WEK_2022-07-11_N	2022-07-12		0.02315	0.000655	0.00027	0.0543	< 0.020	< 0.000050	0.015	0.00119	260.5	0.00011	0.00094	0.001725	0.036	< 0.000050
FR_PP1 FR_PP1	FR_DC1_MON_2022-08-01_N FR_PP1_WS_SEPT-2022_N	2022-08-02 2022-09-07	- 1510	0.0167	0.000715	0.000295	0.0633	< 0.040	< 0.000100	< 0.020	0.00103	377	< 0.00020	0.0006	0.001505	0.037	< 0.000100
FR_PP1	FIN_FFI_WO_OEFI-2U2Z_IN	2022-09-07	1010	0.0107	0.000715	0.000295	0.0033	<u> </u>	<u> </u>	<u> </u>	0.00103	311	\ \ 0.00020	0.0000	0.001000	0.037	~ U.UUU1UU

< Denotes concentration less than indicated detection limit

Denotes analysis not conducted
 n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals						
										Total Metals						
Sample Location	Sample ID	Sample Date (mm/dd/yyyy)	Hardness	Lithium	magnesium	Manganese T/D	Nickel*	Potassium	Selenium hg/L	Ma/r ma	Strontium	Thaillium mg/L	E E mg/L	Titanium	Uranium*	e IZ mg/L
Location	lD	(mm/aa/yyyy)	mg/L	mg/L	mg/L	Y Y	mg/L ပ္	mg/L		<u> </u>	/Ling/L	. mg/L	mg/L	mg/L	mg/L ບ	
						Acute	Chroni		Chronic	Acute					Chronic	Acute
BC WQG FWAL			n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a n/	a n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Fording River Operation																
FR_LP1	FR_LP1_WS_2022-05-23_N	2022-05-23		0.024		0.0157	0.00289	2.61	56.7		0.11		< 0.00010	0.00197	0.002	0.0115
FR_LP1	FR_LP1_WS_2022-05-24_N	2022-05-24	494	0.024	62.1	0.0116	0.0026	2.61	56.6		3 0.11		< 0.00010	0.00323	0.00197	0.0133
FR_LP1	FR_LP1_WS_2022-05-25_N	2022-05-25	494	0.028	63	0.0123 0.013	0.0029	2.59	55.3		0.1		< 0.00010	0.00247	0.00199	0.0123
FR_LP1 FR_LP1	FR_LP1_WS_2022-05-26_N FR_LP1_WS_2022-05-27_N	2022-05-26 2022-05-27	494 480	0.024	64 62.4	0.013	0.00296 0.00276	2.48	53 52.7		6 0.1 7 0.1		< 0.00010 < 0.00010	0.00244 0.00207	0.00191 0.00187	0.0113 0.0102
FR LP1	FR LP1 WS 2022-05-28 N	2022-05-28	456	0.024	61.8	0.0119	0.00270	2.58	52.7		0.1	0.000010	< 0.00010	0.00207	0.00107	0.0101
FR_LP1	FR_LP1_WS_2022-05-29_N	2022-05-29	443	0.023	57.5	0.0102	0.00249	2.48	51		2 0.1		< 0.00010	0.00265	0.00174	0.0106
FR_LP1	FR_LP1_WS_2022-05-30_N	2022-05-30	441	0.023	60.9	0.0107	0.00266	2.54	50.1	< 0.000010 1.7	8 0.1	0.000016	< 0.00010	0.00275	0.00162	0.0108
FR_LP1	FR_LP1_WS_2022-06-07_NP	2022-06-07	438	0.022	59.1	0.0132	0.00281	2.46	48.1		'3 0.1	0.000017	< 0.00010	< 0.00330	0.00162	0.0111
FR_LP1	FR_LP1_WS_2022-06-08_NP	2022-06-08	460	0.024	61	0.0089	0.00454	2.35	52.1		5 0.1	0.000017	< 0.00010	0.0018	0.00196	0.0137
FR_LP1	FR_LP1_MON_2022-06-01_NP	2022-06-09	513	0.027	71.4	0.0122	0.00515	2.79	66.7		7 0.11		< 0.00010	0.00243	0.00214	0.0226
FR_LP1 FR_LP1	FR_LP1_WS_2022-06-10_NP FR_LP1_WS_2022-06-11_NP	2022-06-10 2022-06-11	517	0.026	58.7 54.8	0.01 0.0111	0.00244	2.47	53		0.1 6 0.09	0.000014 0.000014	< 0.00010	0.00148	0.00173	0.0108 0.0115
FR_LP1	FR_LP1_WS_2022-06-11_NP FR_LP1_WS_2022-06-12_NP	2022-06-11	432	0.022	54.8	0.00936	0.00246 0.00231	2.42	48.2 47.6		2 0.09		< 0.00010 < 0.00010	0.0017 0.002	0.00157 0.00156	0.0115
FR LP1	FR LP1 MON 2022-06-13 NP	2022-06-12		0.022	54	0.00499	0.00231	2.42	45.8		2 0.09		< 0.00010	< 0.002	0.00150	0.0068
FR LP1	FR LP1 WS 2022-06-20 NP	2022-06-20		0.022	55.8	0.00894	0.00253	2.37	47.6		4 0.09		< 0.00010	< 0.00150	0.0016	0.024
FR LP1	FR LP1 WS 2022-06-28 NP	2022-06-28	382	0.02	47.3	0.0265	0.0034	2.5	39.2		4 0.09		< 0.00010	0.0034	0.00153	0.0267
FR_LP1	FR_LP1_WS_2022-07-05_NP	2022-07-05	436	0.022	56.1	0.00858	0.00239	2.62	43.5	0.000013 1.7	4 0.09	0.000017	< 0.00010	< 0.00150	0.00158	0.0208
FR_LP1	FR_LP1_WS_2022-07-12_N	2022-07-12	485	0.03	67.5	0.0115	0.00334	2.85	51.3		24 0.1		< 0.00010	0.00108	0.00208	0.0163
FR_LP1	FR_LP1_WEK_2022-07-11_N	2022-07-12	540	0.028	75	0.00919	0.00312	2.93	51.2		6 0.11		0.00026	< 0.00120	0.00209	0.0229
FR_LP1	FR_LP1_WS_2022-08-18_N	2022-08-18	-	- 0.007	-	-	-	- 4.40	-			-	-	-	-	- 0.0050
FR_LP1 FR_LP1	FR_LP1_WS_2022-08-24_N FR_LP1_WS_2022-09-01_N	2022-08-24 2022-09-01	680	0.037	102 104	0.00491 0.00232	0.00426 0.0048	4.42 3.67	64 68.9		0.14 0.14		< 0.00010 < 0.00010	< 0.00030 0.00053	0.00336 0.0029	0.0252 0.0107
FR LP1	FR_LP1_WS_2022-09-01_N FR_LP1_WS_2022-09-05_N	2022-09-01		0.036	111	0.00232	0.0046	3.43	78		3 0.14		< 0.00010	< 0.00033	0.0029	0.0107
FR LP1	FR LP1 WS SEPT-2022 N	2022-09-06	800	0.037	104	0.00102	0.00374	3.36	74.4	_	2 0.14		< 0.00010	< 0.00030	0.00279	0.0059
FR LP1	FR LP1 MON 2022-10-01 N	2022-10-12	772		112	0.00035	0.00365	3.69	74.8		4 0.14		< 0.00010	< 0.00030	0.00289	< 0.0030
FR_LP1	FR_LP1_MON_2022-11-01_N	2022-11-03	886	0.043	121	0.00118	0.00368	3.5	80.2		4 0.15		< 0.00010	< 0.00030	0.00348	0.0034
FR_PP1	FR_PP1_MON_2022-01-04_N	2022-01-07	877	0.053	128	0.00321	0.00549	3.71	101	< 0.000010 4.1	2 0.17	0.000023	< 0.00010	< 0.00030	0.00355	0.0119
FR_PP1	FR_PP1_MON_2022-02-01_N	2022-02-06	1400		133	0.0135	0.0602	4.11	241		1 0.26		< 0.00020	< 0.00060	0.01	0.0494
FR_PP1	FR_PP1_WS_MON_2022-03-01_N	2022-03-08	1630	0.02	149	0.0167	0.0569	4.2	278		6 0.28		< 0.00020	< 0.00060	0.0105	0.0521
FR_PP1	FR_PP1_WEK_2022-03-14_N	2022-03-14	1560	-	139	0.0161	0.0525	3.95	272		8 0.27	0.000059	< 0.00020	< 0.00060	0.0105	0.0536
FR_PP1 FR_PP1	FR_PP1_WEK_2022-03-21_N FR_DC_WEK_2022-03-28_N	2022-03-21 2022-03-28	1450	-	-	-	-	-	-		+-	-	-	-	-	-
FR PP1	FR_DC_WER_2022-03-26_N FR_PP1_MON_2022-04-01_N	2022-04-04	H	-	+ -	<u>-</u>		-	-		+-	-	-	-	-	-
FR PP1	FR PP1 WEK 2022-04-11 N	2022-04-04	672			0.0371	0.0575	3.16			3 0.15	0.000065	< 0.00010	0.00557	0.00453	0.0813
FR_PP1	FR_DC2_WEK_2022-04-18_N	2022-04-19	-	-	-	-	-	-	-		-	-	-	-	-	-
FR_PP1	FR_PP1_WEK_2022-04-25_N	2022-04-28				-	-	-	-		-	-	-	-	-	=
FR_PP1	FR_PP1_MON_2022-05-01_N	2022-05-05	-	-	-	-	-	-	-			-	-	-	-	-
FR_PP1	FR_PP1_WEK_2022-05-09_N	2022-05-11	744		75	0.09	0.0809	3.32			0.15		< 0.00010	0.00183	0.00493	0.0892
FR_PP1	FR_PP1_WEK_2022-05-16_N	2022-05-18	-	-	-	-	-	-	-		-	-	-	-	-	-
FR_PP1 FR_PP1	FR_DC2_WEK_2022-05-23_N	2022-05-23	-	-	-	-	-	-	-		-	-	-	-	-	-
FR_PP1	FR_PP1_WEK_2022-05-30_N FR_DC2_MON_2022-06-01_N	2022-06-01 2022-06-07	-	-	-	-	-	-	-		-	-	-	-	-	-
FR_PP1	FR_DC2_MON_2022-06-01_N FR_DC2_WEK_2022-06-13_N	2022-06-07	1040			0.0287	0.06395	3.035			3 0.18		< 0.00010	< 0.00120	0.00679	0.06005
FR PP1	FR PP1 WEK 2022-06-20 N	2022-06-20	-	-	-	-	-	-	-			-	-	- 0.00120	-	-
FR_PP1	FR_PP1_WEK_2022-06-27_N	2022-06-28	-	-	-	-	-	-	-			-	-	-	-	-
FR_PP1	FR_DC2_MON_2022-07-01_N	2022-07-04		-	-	-	-	-	-		-		-	-	-	-
FR_PP1	FR_PP1_WEK_2022-07-11_N	2022-07-12	1170	0.023	104	0.02905	0.0641	3.73	246.5	< 0.000010 1.3	0.19	0.0000545	< 0.00010	0.00055	0.007845	0.0613
FR_PP1	FR_DC1_MON_2022-08-01_N	2022-08-02	-	-	-	-	-	-	-			-	-	-	-	-
FR_PP1	FR_PP1_WS_SEPT-2022_N	2022-09-07	1510	0.029	147	0.0145	0.0688	4.56	358.5	0.0004635 1.5	8 0.25	0.0000675	< 0.00020	< 0.00060	0.0116	0.058

< Denotes concentration less than indicated detection limit

Denotes analysis not conducted n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						
Sample	Sample	Sample Date	Hardness	Aluminum	Antimony	Arsenic	Barium*	Beryllium*	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg	/L	mg/L
						Acute	Chronic	Chronic		Chronic				Acute Chronic		Acute	Acute Chronic
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Fording River Operation FR PP1	FR PP1 MON 2022-10-25 NP	2022-10-24	1870	< 0.0060	0.0007	0.00026	0.0592	< 0.040	< 0.000100	< 0.020	0.000596	398	< 0.00020	0.0003	< 0.00100	< 0.020	< 0.000100
FR PP1	FR PP1 MON 2022-10-23 NF	2022-10-24	1660	0.0101	0.0007	0.00020	0.0592	< 0.040	< 0.000100	0.020	0.000396	485	< 0.00020	0.00051	0.00100	0.013	< 0.000100
FR SCOUT	FR SCOUT WS 2022-1-06 N 0900	2022-01-06	1700	0.0477	0.00065	0.00025	0.0556	< 0.040	< 0.000100	< 0.020	0.00096	432	< 0.00020	0.00042	0.00103	0.026	< 0.000100
FR_SCOUT	FR_SCOUT_WS_2022-01-13_N	2022-01-13	2050	0.008	0.0007	0.00024	0.0286	< 0.040	< 0.000100	< 0.020	0.000374	413	< 0.00020	0.00032	< 0.00100	0.04	< 0.000100
FR_SCOUT	FR_SCOUT_WS_2022-02-10_N_0900	2022-02-10	2220	0.0171	0.00073	0.00023	0.0303	< 0.040	< 0.000100	< 0.020	0.000489	408	< 0.00020	0.00034	< 0.00100	< 0.020	< 0.000100
FR_SCOUT FR_SCOUT	FR_SCOUT_WS_20220216_N FR_SCOUT_WS_2022-03-10_N	2022-02-16 2022-03-10	2070	< 0.0150	0.00075	< 0.00050	0.0286	< 0.100	< 0.000250	< 0.050 0.013	0.000444	400	< 0.00050 0.0002	< 0.50 0.00012	< 0.00250	< 0.050	< 0.000250 < 0.000050
FR SCOUT	FR_SCOUT_WS_2022-03-10_N FR_SCOUT_2022-03-10_N_0900	2022-03-10	891 2180	0.0072	0.00032	0.00013	0.0874	< 0.020	< 0.000050	0.013	0.000125	175 -	0.0002	0.00012	< 0.00050	0.038	- 0.000030
FR SCOUT	FR SCOUT 2022-04-07 N 0900	2022-04-07	-	< 0.0060	0.00044	< 0.00020	0.0168	< 0.000040	< 0.000100	< 0.020	0.0001	403	< 0.00020	< 0.00020	< 0.00100	0.049	< 0.000100
FR_SCOUT	FR_SCOUT_WS_2022-04-07_N	2022-04-07	1800	0.0153	0.00046	0.00021	0.0275	< 0.000040	< 0.000100	< 0.020	0.000342	329	< 0.00020	0.00031	< 0.00100	0.068	< 0.000100
FR_SCOUT	FR_SCOUT_2022-05-05_N_0900	2022-05-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SCOUT	FR_SCOUT_2022-06-02_N_0900 FR_SCOUT_WS_2022-06-04_N	2022-06-02	528	0.128 0.0654	0.00029	0.00029	0.0398	< 0.000020	< 0.000050	< 0.010	0.000276	96.6	0.00031	0.00022 < 0.10	0.00083	0.086	0.000073 < 0.000050
FR_SCOUT FR_SCOUT	FR_SCOUT_WS_2022-06-04_N FR_SCOUT_2022-07-14_N_0900	2022-06-04 2022-07-14	251 257	0.0654	0.0002 0.00013	0.0003	0.0312 0.041	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	0.000162 0.0000589	48.5 55.5	0.00015 0.00017	0.00013	< 0.00050 < 0.00050	0.03 0.075	0.000069
FR SCOUT	FR FRSCOUT WS 2022 07 25 N	2022-07-14	902	0.0137	0.00039	0.00010	0.0405	< 0.020	< 0.000050	< 0.010	0.000552	151	< 0.00017	0.00046	< 0.00050	0.012	< 0.000050
FR_SCOUT	FR_SCOUT_2022-08-11_N_0900	2022-08-11	392	0.0082	0.00019	0.00012	0.0458	< 0.020	< 0.000050	< 0.010	0.000115	86.2	0.00014	< 0.10	< 0.00050	0.022	< 0.000050
FR_SCOUT	FR_SCOUT_2022-09-08_N_0900	2022-09-08	1660	0.0115	0.0006	0.00025	0.0418	< 0.040	< 0.000100	< 0.020	0.00106	298	< 0.00020	0.00076	< 0.00100	< 0.020	< 0.000100
FR_SCOUT	FR_SCOUT_2022-10-06_N_0900	2022-10-06	2150	0.0102	0.00071	< 0.00020	0.0347	< 0.040	< 0.000100	< 0.020	0.0013	390	0.00024	0.00084	< 0.00100	< 0.020	< 0.000100
FR_SCOUT FR_SCOUT	FR_SCOUT_2022-11-03_N_0900 FR_SCOUT_2022-12-01_N_0900_CALC	2022-11-03 2022-12-01	2170 2380	0.0099 0.0199	0.00065 0.00066	0.00025	0.0462 0.0319	< 0.040 < 0.040	< 0.000100 < 0.000100	0.08 < 0.020	0.00128 0.00125	447 428	< 0.00020 < 0.00020	0.0007 0.00064	< 0.00100 < 0.00100	< 0.020 < 0.020	< 0.000100 < 0.000100
FR SCOUT	FR SCOUT 2022-12-01 N 0900 CALC	2022-12-01	2560	< 0.0060	0.00066	< 0.00020	0.0319	< 0.040	< 0.000100	< 0.020	0.000883	414	< 0.00020	0.00039	0.00174	< 0.020	< 0.000100
FR_SCOUT	FR_SCOUT_2022-12-29_N_0900	2022-12-29	2620	< 0.0060	0.00069	< 0.00020	0.0261	< 0.000040		< 0.020	0.00087	455	< 0.00010	0.00034	< 0.00100	< 0.020	< 0.000100
FR_SP1	FR_SP1_MON_2022-01-04_N	2022-01-08	2550	0.0089	0.00066	< 0.00020	0.0314	< 0.040	< 0.000100	< 0.020	0.000758	444	< 0.00020	0.00031	0.00117	< 0.020	< 0.000100
FR_SP1	FR_SP1_MON_2022-02-01_N	2022-02-06	672	< 0.0030	0.00016	< 0.00010	0.0219	< 0.020	< 0.000050	0.019	0.000159	142	< 0.00010	0.00013	< 0.00050	< 0.010	< 0.000050
FR_SP1 FR_SP1	FR_SP1_MON_2022-03-01_N FR_SP1_WEK_2022-03-14_N	2022-03-04 2022-03-19	1640 674	0.0071 0.0062	0.00066 0.00019	0.00032 < 0.00010	0.0654 0.0248	< 0.040 < 0.020	< 0.000100 < 0.000050	< 0.020 0.022	0.00103 0.000144	390 159	0.0002 < 0.00010	0.00035 0.00011	0.00135 < 0.00050	< 0.020 0.01	< 0.000100 < 0.000050
FR SP1	FR_SF1_WER_2022-03-14_N FR_SP1_WEK_2022-03-21_N	2022-03-19	-	-	0.00019	- 0.00010	0.0246	- 0.020	- 0.000030	0.022	-	-	- 0.00010	-	- 0.00030	- 0.01	- 0.000030
FR SP1	FR SP1 WEK 2022-03-28 N	2022-03-31	-	-	=	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_MON_2022-04-01_N	2022-04-05	-	-	=	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-04-11_N	2022-04-14	729	0.012	0.00018	< 0.00010	0.0264	< 0.020	< 0.000050	0.019	0.000148	146	< 0.00010	0.00022	< 0.00050	0.021	< 0.000050
FR_SP1	FR_SP1_WEK_2022-04-18_N FR_DC2_WEK_2022-04-25_N	2022-04-19	-	-	=	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1 FR_SP1	FR_DC2_WER_2022-04-25_N FR_DC2_MON_2022-05-01_N	2022-04-28 2022-05-02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-05-09_N	2022-05-12	739	0.0031	0.000195	0.000135	0.02405	< 0.020	< 0.000050	0.021	0.000119	164.5	< 0.00010	0.000165	< 0.00050	< 0.010	< 0.000050
FR_SP1	FR_SP1_WEK_2022-05-16_N	2022-05-16		-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-05-23_N	2022-05-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1 FR_SP1	FR_SP1_WEK_2022-05-30_N FR_SP1_MON_2022-06-01_N	2022-06-01 2022-06-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_MON_2022-06-01_N FR_FLD1_2022-06-13_N		703	0.0033	0.0002	< 0.00010	0.0223	< 0.020	< 0.000050	0.019	0.000123	154	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
FR_SP1	FR_SP1_WEK_2022-06-13_N		< 0.50	< 0.0030	< 0.00010	< 0.00010	_	< 0.020	< 0.000050	< 0.010	< 0.0050	< 0.050	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
FR_SP1	FR_SP1_WEK_2022-06-20_N	2022-06-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR SP1_WEK_2022-06-27_N	2022-06-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_MON_2022-07-01_N	2022-07-04	- 601	- 0.0030	0.00024	- 0.00040	- 0.02	- 0.000	- 0.000050	- 0.02	0.000435	126	- 0.00010	- 0.10	- 0.00050	- 0.010	- 0.000050
FR_SP1 FR_SP1	FR_SP1_WEK_2022-07-11_N FR_SP1_MON_2022-08-01_N	2022-07-12 2022-08-02	691	< 0.0030	0.00021	< 0.00010	0.02	< 0.020	< 0.000050	0.02	0.000135	136	< 0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
FR SP1	FR_3F1_MON_2022-00-01_N FR_DC2_MON_2022-09-01_NP	2022-09-08	632	0.0098	0.00025	< 0.00010	0.0223	< 0.020	< 0.000050	0.018	0.00011	128	< 0.00010	< 0.10	< 0.00050	0.025	< 0.000050
FR_SP1	FR_SP1_WS_2022-09-30_NP	2022-09-30	719	0.0071	0.000215	0.000105	0.0226	< 0.020	< 0.000050	0.019	0.0000836	162	< 0.00010	0.00012	< 0.00050	< 0.010	< 0.000050
FR_SP1	FR_SP1_MON_2022-10-01_N	2022-10-19	767	0.0092	0.00022	< 0.00010	0.0251	< 0.020	< 0.000050	0.02	0.0000881	154	< 0.00010	0.00013	< 0.00050	0.013	< 0.000050
FR_SP1	FR_SP1_MON_2022-11-01_N	2022-11-03	798	0.0089	0.0002	< 0.00010	0.0215	< 0.020	< 0.000050	0.018	0.000123	166	< 0.00010	0.00014	< 0.00050	0.019	< 0.000050

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

									Total Metals							
									10tal Wetals							
Sample	Sample	Sample Date H	Lithium	Magnesium	Manganese	Nickel*	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Ë	Titanium	Uranium*	Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	μg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
					Acute	Chronic		Chronic	Acute						Chronic	Acute
BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a 0.0075-2 ^a
Fording River Operation FR PP1	FR PP1 MON 2022-10-25 NP	2022-10-24 1870	0.034	180	0.00772	0.0711	4.48	468	< 0.000020	1.60	0.3	0.00006	< 0.00020	< 0.00060	0.0134	0.0365
FR PP1	FR PP1 MON 2022-10-23 NF		0.034		0.0144	0.0711	4.98	434	< 0.000020		0.31	0.00006	< 0.00020	< 0.00030	0.0134	0.064
FR SCOUT	FR SCOUT WS 2022-1-06 N 0900		0.028		0.0141	0.0685	4.53	375	< 0.000020	_	0.28	0.000062	< 0.00020	0.00108	0.0136	0.049
FR_SCOUT	FR_SCOUT_WS_2022-01-13_N		0.077		0.00378	0.0401	5.17	530	< 0.000020	8.1	0.24		< 0.00020	< 0.00060	0.017	0.0227
FR_SCOUT	FR_SCOUT_WS_2022-02-10_N_0900	2022-02-10 2220	0.075	316	0.00448	0.0452	4.7	555	< 0.000020	3.02	0.25	0.000055	< 0.00020	< 0.00060	0.0174	0.031
FR_SCOUT	FR_SCOUT_WS_20220216_N		0.079		0.00586	0.047	4.73	508	< 0.000050	_	0.24	< 0.000050	< 0.00050	< 0.00150	0.0175	0.0321
FR_SCOUT	FR_SCOUT_WS_2022-03-10_N	2022-03-10 891	0.083	93.1	0.014	0.0097	2.78	127	< 0.000010	3.51	0.23	0.000014	< 0.00010	< 0.00030	0.00577	0.0546
FR_SCOUT	FR_SCOUT_2022-03-10_N_0900	2022-03-10 2180	-	-	-	-	-	-	-	- 45.4	-	-	-	-	-	-
FR_SCOUT	FR_SCOUT_2022-04-07_N_0900	2022-04-07 -	0.106		0.0129	0.0156	6.67	168	< 0.000020	_	0.26	< 0.000020	< 0.00020	< 0.0100	0.0176	0.0084
FR_SCOUT FR_SCOUT	FR_SCOUT_WS_2022-04-07_N FR_SCOUT_2022-05-05_N_0900	2022-04-07 1800 2022-05-05 -	0.091	237	0.0171	0.0257	4.2	262	< 0.000020	9.56	0.22	< 0.000020	< 0.00020	< 0.0200	0.0135	0.0195
FR SCOUT	FR SCOUT 2022-03-03 N 0900	2022-06-02 528	0.018		0.00342	0.0117	1.6	120	0.00001		0.07	0.000024	< 0.00010	< 0.0100	0.00365	0.015
FR SCOUT	FR SCOUT WS 2022-06-04 N	2022-06-04 251			0.00122	0.00516	0.805	43.7	< 0.00001		0.04		< 0.00010	0.00193	0.00303	0.0106
FR SCOUT	FR SCOUT 2022-07-14 N 0900	2022-07-14 257	0.015		0.00743	0.00255	0.976	19.4	< 0.000010		0.09	< 0.000010	< 0.00010	0.00072	0.00143	0.0056
FR SCOUT	FR FRSCOUT WS 2022 07 25 N		0.025		0.00422	0.0213	2.12	191	< 0.000010	1.17	0.1	0.000024	< 0.00010	0.00043	0.00598	0.0286
FR_SCOUT	FR_SCOUT_2022-08-11_N_0900	2022-08-11 392	0.035	39.3	0.00479	0.0051	1.49	51.1	< 0.000010	1.62	0.12	< 0.000010	< 0.00010	< 0.00030	0.00244	0.0051
FR_SCOUT	FR_SCOUT_2022-09-08_N_0900		0.062		0.0077	0.0448	3.87	365	< 0.000020		0.18	0.000042	< 0.00020	< 0.00060	0.0132	0.0518
FR_SCOUT	FR_SCOUT_2022-10-06_N_0900		0.086		0.00783	0.0607	5.01	483	< 0.000020		0.2	0.000054	< 0.00020	< 0.00060	0.0146	0.0703
FR_SCOUT	FR_SCOUT_2022-11-03_N_0900		0.083		0.00571	0.0577	4.6	477	< 0.000020		0.26	0.000059	< 0.00020	< 0.00060	0.0171	0.071
FR_SCOUT FR_SCOUT	FR_SCOUT_2022-12-01_N_0900_CALC	2022-12-01 2380 2022-12-22 2560	0.079		0.00568 0.00746	0.0586 0.0487	4.91 5.14	504 559	< 0.000020 < 0.000020		0.23	0.000062 0.00005	< 0.00020 < 0.00020	0.00071 < 0.00060	0.0171 0.021	0.0733 0.14
FR_SCOUT	FR_SCOUT_2022-12-22_N_0900 FR_SCOUT_2022-12-29_N_0900	2022-12-22 2500			0.00740	0.0554	4.96	615	< 0.000020		0.26	0.00005	< 0.00020	< 0.00060	0.021	0.0572
FR SP1	FR SP1 MON 2022-01-04 N	2022-12-29 2020		356	0.00472	0.0521	4.62	610	< 0.000020		0.26		< 0.00020	< 0.00060	0.0183	0.0459
FR SP1	FR SP1 MON 2022-02-01 N		0.053		0.00069	0.00198	3.71	31.3	< 0.000010		0.17	0.000014	< 0.00010	< 0.00030	0.00454	< 0.0030
FR SP1	FR SP1 MON 2022-03-01 N	2022-03-04 1640		149	0.0167	0.0569	4.2	278	< 0.000020	1.6	0.28	0.000057	< 0.00020	< 0.00060	0.0105	0.0521
FR_SP1	FR_SP1_WEK_2022-03-14_N	2022-03-19 674	0.064	80.8	0.00086	0.00221	4.05	27.6	< 0.000010	1.89	0.18	0.000018	< 0.00010	< 0.00030	0.00478	< 0.0030
FR_SP1	FR_SP1_WEK_2022-03-21_N	2022-03-23 -	-	-	-	-	-	•	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-03-28_N	2022-03-31 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_MON_2022-04-01_N	2022-04-05 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-04-11_N		0.062		0.00276	0.0025	3.93	82.4	< 0.000010	3.4	0.18	0.000016	< 0.00010	< 0.00030	0.00482	< 0.0030
FR_SP1 FR_SP1	FR_SP1_WEK_2022-04-18_N FR_DC2_WEK_2022-04-25_N	2022-04-19 - 2022-04-28 -	<u> </u>	-	-	-	-		<u>-</u>	+ -	-	-	-	-	-	-
FR_SP1	FR DC2 WEN 2022-04-25 N FR DC2 MON 2022-05-01 N	2022-04-26 -	-	+-	-	-	-	-	<u>-</u>	+-	+-	-	-	 	-	-
FR SP1	FR SP1 WEK 2022-05-09 N	2022-05-12 739	0.06	95.45	0.00065	0.00234	3.86	46.9	< 0.000010	2.5	0.2	0.000019	< 0.00010	< 0.00030	0.00559	< 0.0030
FR_SP1	FR_SP1_WEK_2022-05-16_N	2022-05-16 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-05-23_N	2022-05-23 -	-	-	-	-	-	-	-	-	-	=	-	-	-	-
FR_SP1	FR_SP1_WEK_2022-05-30_N	2022-06-01 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FR_SP1	FR_SP1_MON_2022-06-01_N	2022-06-08 -	-	-	-	-	-	-	-	-		-	-	-	-	-
FR_SP1	FR_FLD1_2022-06-13_N			79.8	0.00045	0.00219	3.43	61.3	< 0.000010	_	0.16		< 0.00010		0.00407	< 0.0030
FR_SP1 FR_SP1	FR_SP1_WEK_2022-06-13_N FR_SP1_WEK_2022-06-20_N		+	¢ 0.005		< 0.00050	< 0.050		< 0.000010	- 0.05	0.000		< 0.00010		< 0.000010	< 0.0030
FR_SP1	FR_SP1_WEK_2022-06-20_N FR_SP1_WEK_2022-06-27_N	2022-06-20 - 2022-06-29 -	-	-	-	-	-	-	-		-	-	-	-	-	-
FR_SP1	FR SP1 MON 2022-07-01 N	2022-00-29 -	-	-	-	<u>-</u>	-	-	<u>-</u>	_	-	-	-	-	-	-
FR SP1	FR SP1 WEK 2022-07-01 N			73.2	0.00035	0.00187	3.73	75.2	< 0.000010	_	0.16		< 0.00010		0.00394	< 0.0030
FR SP1	FR SP1 MON 2022-08-01 N	2022-08-02 -	-	-	-	-	-	-	-	_	-	-	-	-	-	-
FR_SP1	FR_DC2_MON_2022-09-01_NP			70.2	0.00088	0.0019	3.66	51.6	0.000348		0.15	0.000019	0.00011	< 0.00030	0.00417	< 0.0030
FR_SP1	FR_SP1_WS_2022-09-30_NP	2022-09-30 719	0.059	88.55	0.00055	0.00206	3.4	43.35	< 0.000010		0.17		< 0.00010	< 0.00030	0.004575	< 0.0030
FR_SP1	FR_SP1_MON_2022-10-01_N			90.2	0.00098	0.00226	3.89	40.5	< 0.000010		0.18		< 0.00010		0.00483	< 0.0030
FR_SP1	FR_SP1_MON_2022-11-01_N	2022-11-03 798	0.056	96.3	0.00102	0.00229	3.6	31.3	< 0.000010	2.06	0.17	0.000021	< 0.00010	< 0.00030	0.00509	0.0043

< Denotes concentration less than indicated detection limit

n/a denotes no applicable standard

⁻ Denotes analysis not conducted

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

			ſ								Total Metals						
Sample	Sample	Sample Date	Hardness	Aluminum	Antimony	Arsenic	Barium*	Beryllium*	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	read
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L .ပ	mg/L .ပ	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/	L	mg/L
						Acute	Chroni	Chroni		Chronic				Acute Chronic		Acute	Acute
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5 ^a
Greenhills Operation	GH FC1 WS 2022-01-03 NP	2022-01-10			T	1	1	ı	1		1	ı	I	1			
GH_FC1 GH FC1	GH_FC1_WS_2022-01-03_NP GH_FC1_WS_2022-02-07_NP	2022-01-10	332	0.102	< 0.00010	0.00034	0.0672	< 0.020	< 0.000050	< 0.010	0.0000131	- 85.6	< 0.00010	- 1E-04	< 0.00050	0.356	0.000071
GH FC1	GH FC1 WS 2022-03-07 N	2022-03-07	313	0.0075	< 0.00010	0.00022	0.0725	< 0.020	< 0.000050	< 0.010	< 0.0050	81.6	0.00023	< 0.10	0.00074	0.039	0.000112
GH_FC1	GH_FC1_WS_2022-03-14_NP	2022-03-17	299	0.0045	< 0.00010	0.00017	0.0627	< 0.020	< 0.000050	< 0.010	< 0.0050	79.2	< 0.00010	< 0.10	< 0.00050	0.03	< 0.000050
GH_FC1	GH_FC1_WS_2022-03-20_NP	2022-03-20	288	0.0177	< 0.00010	0.00019	0.0755	< 0.020	< 0.000050	< 0.010	< 0.0050	84.8	< 0.00010	< 0.10	< 0.00050	0.078	< 0.000050
GH_FC1 GH FC1	GH_FC1_WS_2022-03-21_NP GH_FC1_WS_2022-03-28_NP	2022-03-22 2022-03-29	321 263	0.107 0.0129	< 0.00010 < 0.00010	0.00024 0.00017	0.0745 0.0548	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	0.0000154 < 0.0050	74 70.8	0.00019 < 0.00010	1E-04 < 0.10	< 0.00050 < 0.00050	0.283	0.000141 < 0.000050
GH_FC1	GH_FC1_WS_2022-03-28_NP GH_FC1_WS_2022-04-04_NP	2022-03-29	267	0.0129	< 0.00010	0.00017	0.0548	< 0.020	< 0.000050	< 0.010	0.0000189	62.2	< 0.00010	< 0.10	< 0.00050	0.057	0.000087
GH FC1	GH FC1 WS 2022-04-11 NP	2022-04-00	248	0.0066	< 0.00010	0.00023	0.0403	< 0.020	< 0.000050	< 0.010	< 0.0050	64.2	< 0.00010	< 0.10	< 0.00050	0.023	< 0.000050
GH_FC1	GH_FC1_WS_2022-04-18_NP	2022-04-21	255	0.0106	< 0.00010	0.00024	0.0532	< 0.020	< 0.000050	< 0.010	< 0.0050	68.5	< 0.00010	< 0.10	< 0.00050	0.034	< 0.000050
GH_FC1	GH_FC1_WS_2022-04-25_NP	2022-04-27	266	0.0148	< 0.00010	0.00018	0.0524	< 0.020	< 0.000050	< 0.010	< 0.0050	66.6	< 0.00010	< 0.10	< 0.00050	0.034	< 0.000050
GH_FC1	GH_FC1_WS_2022-05-02_NP	2022-05-04	259	0.0061	< 0.00010	0.00013	0.0509	< 0.020	< 0.000050	< 0.010	< 0.0050	66.4	0.00049	< 0.10	< 0.00050	0.024	< 0.000050
GH_FC1 GH FC1	GH_FC1_WS_2022-05-09_NP GH_FC1_WS_2022-05-16_NP	2022-05-11 2022-05-18	262 257	0.0067 0.0122	< 0.00010 < 0.00010	0.00019 0.00017	0.0566 0.052	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	< 0.0050 < 0.0050	66 62.3	< 0.00010 < 0.00010	< 0.10 < 0.10	< 0.00050 < 0.00050	0.027 0.026	< 0.000050 < 0.000050
GH FC1	GH FC1 WS 2022-05-10 NP	2022-05-18	264	0.0124	< 0.00010	0.00017	0.0586	< 0.020	< 0.000050	< 0.010	< 0.0050	67.7	< 0.00010	< 0.10	< 0.00050	0.020	< 0.000050
GH FC1	GH FC1 WS 2022-05-30 NP	2022-06-01	287	0.0079	< 0.00010	0.00018	0.0615	< 0.020	< 0.000050	< 0.010	< 0.0050	68.4	< 0.00010	< 0.10	< 0.00050	0.038	< 0.000050
GH_FC1	GH FC1 WS 2022-06-06 NP	2022-06-08	270	0.009	< 0.00010	0.0002	0.0562	< 0.020	< 0.000050	< 0.010	< 0.0050	68.3	< 0.00010	< 0.10	< 0.00050	0.029	< 0.000050
GH_FC1	GH_FC1_WS_2022-06-13_NP	2022-06-15	266	0.0096	< 0.00010	0.00021	0.0691	< 0.020	< 0.000050	0.011	< 0.0050	69.7	< 0.00010	< 0.10	< 0.00050	0.037	< 0.000050
GH_FC1 GH FC1	GH_FC1_WS_2022-06-20_NP GH_FC1_WS_2022-06-27_NP	2022-06-22 2022-06-29	255 314	0.0115	< 0.00010 < 0.00010	0.00017 0.00018	0.0491 0.0648	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 0.012	0.0000053 < 0.0050	58.4 80.8	< 0.00010 < 0.00010	< 0.10 < 0.10	< 0.00050 < 0.00050	0.043 0.025	< 0.000050 < 0.000050
GH_FC1	GH FC1 WS 2022-00-27 NP	2022-00-29	281	0.0009	< 0.00010	0.00016	0.0624	< 0.020	< 0.000050	0.012	< 0.0050	71.6	< 0.00010	< 0.10	< 0.00050	0.023	< 0.000050
GH FC1	GH FC1 WS 2022-07-11 NP	2022-07-13	281	0.0084	< 0.00010	0.00022	0.0591	< 0.020	< 0.000050	0.01	< 0.0050	65.2	< 0.00010	< 0.10	< 0.00050	0.039	< 0.000050
GH_FC1	GH_FC1_WS_2022-08-01_NP	2022-08-04	284	0.0067	< 0.00010	0.00024	0.0653	< 0.020	< 0.000050	0.012	< 0.0050	70.4	< 0.00010	< 0.10	< 0.00050	0.039	< 0.000050
GH_FC1	GH_FC1_WS_2022-09-05_NP	2022-09-08	302	0.0054	< 0.00010	0.00024	0.0726	< 0.020	< 0.000050	0.011	< 0.0050	77	< 0.00010	< 0.10	< 0.00050	0.058	< 0.000050
GH_FC1	GH_FC1_WS_2022-10-03_NP	2022-10-05	-	- 0.0055	-	- 0.00000	- 0.007		-		-	- 04.0	-	-	-	- 0.077	
GH_FC1 GH_GH1	GH_FC1_WS_2022-11-07_NP GH_GH1_WS_2022-01-03_N	2022-11-09 2022-01-04	316 263	0.0055 0.004	< 0.00010 < 0.00010	0.00022 0.00018	0.067 0.0577	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	< 0.0050 < 0.0050	81.2 71.8	< 0.00010 < 0.00010	< 0.10 < 0.10	< 0.00050 < 0.00050	0.077 0.094	< 0.000050 < 0.000050
GH GH1	GH GH1 WS 2022-01-03 N	2022-01-04	951	0.0047	0.00043	0.00010	0.0439	< 0.020	< 0.000050	0.011	0.0000058	193	0.00016	< 0.10	< 0.00050	< 0.010	< 0.000050
GH_GH1	GH_GH1_WS_2022-02-19_N	2022-02-19	1000	0.0032	0.0004	0.0002	0.049	< 0.020	< 0.000050	0.01	0.000006	200	0.00016	< 0.10	< 0.00050	< 0.010	< 0.000050
GH_GH1	GH_GH1_WS_2022-02-20_NP	2022-02-20	1000	0.0056	0.00038	0.00022	0.0428	< 0.020	< 0.000050	0.01	0.000005	188	0.00012	< 0.10	< 0.00050	< 0.010	< 0.000050
GH_GH1	GH_GH1_WS_2022-02-21_N	2022-02-21	1030	0.0041	0.00039	0.0002	0.0443	< 0.020	< 0.000050	0.01	0.0000064	192	0.00016	< 0.10	< 0.00050	< 0.010	< 0.000050
GH_GH1 GH_GH1	GH_GH1_WS_2022-03-07_N GH_GH1_WS_2022-03-14_N	2022-03-04 2022-03-15	963 1040	0.0058 < 0.0120	0.0004 0.00036	0.00022 0.00016	0.0446 0.046	< 0.020 < 0.020	< 0.000050 < 0.000050	0.01	0.0000076 0.0000102	195 201	0.00018 0.00013	< 0.10 < 0.10	< 0.00050 < 0.00050	< 0.010	< 0.000050 < 0.000050
GH GH1	GH GH1 WS 2022-03-14 N	2022-03-13	-	- 0.0120	-	-	-	- 0.020		-	-	-	-	-	- 0.00000	- 0.010	-
GH_GH1	GH_GH1_WS_2022-03-28_N	2022-03-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_FOX3_WS_2022-04-04_N	2022-04-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-04-04_N	2022-04-04	614	0.0517	0.00035	0.00025	0.04375	< 0.020	< 0.000050	< 0.010	0.0000316	122.5	0.00016	< 0.10	< 0.00050	0.0495	0.0000525
GH_GH1 GH GH1	GH_GH1_WS_2022-04-11_N GH_GH1_WS_2022-04-18_N	2022-04-11 2022-04-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH GH1	GH GH1 WS 2022-04-16 N GH GH1 WS 2022-04-25 N	2022-04-19	-	<u> </u>	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-05-09_N	2022-05-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-05-16_N	2022-05-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-05-23_N	2022-05-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-05-30_N	2022-05-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1 GH_GH1	GH_GH1_WS_2022-06-06_N GH_GH1_WS_2022-06-13_N	2022-06-06 2022-06-14	- 575	0.0161	0.00034	0.00019	0.0462	< 0.020	< 0.000050	0.011	0.000106	109	0.00015	< 0.10	< 0.00050	0.017	< 0.000050
GH GH1	GH GH1 WS 2022-06-17 N	2022-06-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-18_N	2022-06-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-19_N	2022-06-19	-]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-06-20_N	2022-06-20	-	-	-	-	-	-	-	-	-	-	-	<u> </u>	-	-	-

< Denotes concentration less than indicated detection limit

Denotes analysis not conducted
 n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

									Total Metals								
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		<u>n</u> e	풀	nes	gar	<u>*</u>	SSi	leniu	<u>.</u>	ᆵ	l ij			<u> </u>	<u> </u>		
0.500015	0	a a compa	풀	ag	lan	<u> </u>	ota	<u>e</u>	<u>×</u>	Sodium	ţ	la l	.⊑	itar	rau		inc
Sample	Sample ID	Sample Date 🖺		Σ	≥ /!	Z	<u>ā</u>	رة العدال			<u>ಸ</u>	F	F	F			N
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L ပ	mg/L	µg/L	mg/L	mg/i	Lmg/L	. mg/L	mg/L	mg/L	mg/L ပ	- 11	າg/L ບ
					roni	oni		i.	ja t						je	te	oni
					Acute	, Th		Chronic	Acute						Chroni	,cu	Chronic
BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a	0.0075-2ª
Greenhills Operation		II/a	II/a	II/a	0.001-0.03 0.0009-0.01	0.025-0.15	II/a		0.0001-0.003 0.00009-0.0013	II/a	II/a	II/a	II/a	II/a	0.0005	0.033-2	0.0075-2
GH FC1	GH FC1 WS 2022-01-03 NP	2022-01-10 -	-	-	-	_	-	-	-	-	-	_	_	-	-	-	
GH_FC1	GH_FC1_WS_2022-02-07_NP	2022-02-07 332	0.004	31.4	0.0688	< 0.00050	0.767	0.157	< 0.000010	2.7	0.1	< 0.000010	< 0.00010	0.00206	0.000429	< 0.0030	
GH_FC1	GH_FC1_WS_2022-03-07_N	2022-03-07 313			0.0101	< 0.00050	0.786	0.107	< 0.000010		0.09		0.00035	< 0.00030	0.000468	0.0034	
GH_FC1	GH_FC1_WS_2022-03-14_NP	2022-03-17 299			0.0089	< 0.00050	1.04	0.1	< 0.000010		0.09		< 0.00010	< 0.00030	0.000364	< 0.0030	
GH_FC1 GH_FC1	GH_FC1_WS_2022-03-20_NP GH_FC1_WS_2022-03-21_NP	2022-03-20 288 2022-03-22 321	0.003		0.0398 0.0851	< 0.00050 < 0.00050	1.03	0.244 0.185	< 0.000010 < 0.000010	+	0.14		< 0.00010 < 0.00010	0.00037 0.0019	0.000297 0.000314	< 0.0030 0.0244	
GH_FC1	GH_FC1_WS_2022-03-21_NP GH_FC1_WS_2022-03-28_NP		0.003		0.0857	< 0.00050	1.07		< 0.000010		0.12		< 0.00010	0.0019	0.000314	< 0.0030	
GH FC1	GH FC1 WS 2022-04-04 NP	2022-04-06 267	0.004		0.0508	< 0.00050	1.43	0.102	< 0.000010		0.03		< 0.00010	< 0.00034	0.000277	< 0.0030	
GH_FC1	GH_FC1_WS_2022-04-11_NP		0.003		0.00356	< 0.00050	1.26		< 0.000010		0.07		< 0.00010	< 0.00030	0.00032	< 0.0030	
GH_FC1	GH_FC1_WS_2022-04-18_NP	2022-04-21 255			0.00529	< 0.00050	1.41	0.125	< 0.000010		0.08		< 0.00010	< 0.00030	0.000382	< 0.0030	
GH_FC1	GH_FC1_WS_2022-04-25_NP		0.004		0.00754	< 0.00050	1.13		< 0.000010		0.08		< 0.00010	< 0.00060	0.00038	< 0.0030	
GH_FC1	GH_FC1_WS_2022-05-02_NP	2022-05-04 259	0.003		0.00437	< 0.00050	1.13	< 0.050	< 0.000010		0.08		< 0.00010	< 0.00030	0.000304	< 0.0030	
GH_FC1 GH_FC1	GH_FC1_WS_2022-05-09_NP GH_FC1_WS_2022-05-16_NP	2022-05-11 262 2022-05-18 257		26.4 24.8	0.00571 0.00474	< 0.00050 < 0.00050	1.21	0.099	< 0.000010 < 0.000010		0.08		< 0.00010 < 0.00010	< 0.00030 0.00032	0.000309 0.000324	< 0.0030 < 0.0030	
GH FC1	GH FC1 WS 2022-05-10 NP	2022-05-10 257			0.00655	< 0.00050	1.23	0.072	< 0.000010		0.08		< 0.00010	< 0.00032	0.000324	< 0.0030	
GH FC1	GH FC1 WS 2022-05-30 NP	2022-06-01 287	0.004		0.00872	< 0.00050	1.2	0.086	< 0.000010		0.09		< 0.00010	< 0.00030	0.000293	< 0.0030	
GH_FC1	GH FC1 WS 2022-06-06 NP	2022-06-08 270	0.004	26.7	0.00792	< 0.00050	1.08	0.15	< 0.000010	2.39	0.09	< 0.000010	< 0.00010	< 0.00030	0.000299	< 0.0030	
GH_FC1	GH_FC1_WS_2022-06-13_NP	2022-06-15 266	0.004		0.00955	< 0.00050	1.23	0.107	< 0.000010		0.09		< 0.00010	< 0.00030	0.000278	< 0.0030	
GH_FC1	GH_FC1_WS_2022-06-20_NP	2022-06-22 255			0.0133	< 0.00050	0.888	0.113	< 0.000010	+	0.07		< 0.00010	0.00034	0.000289	< 0.0030	
GH_FC1 GH_FC1	GH_FC1_WS_2022-06-27_NP GH_FC1_WS_2022-07-04_NP		0.004		0.00826 0.00917	< 0.00050 < 0.00050	0.784	0.121	< 0.000010		0.09		< 0.00010	< 0.00030 < 0.00030	0.000282 0.00026	< 0.0030 < 0.0030	
GH_FC1	GH FC1 WS 2022-07-04 NP GH FC1 WS 2022-07-11 NP	2022-07-06 281 2022-07-13 281	0.004	26.2	0.00917	< 0.00050	0.608	0.062	< 0.000010 < 0.000010	+	0.00		< 0.00010 < 0.00010	< 0.00030	0.00026	< 0.0030	
GH FC1	GH FC1 WS 2022-08-01 NP	2022-08-04 284	0.005	28	0.0129	< 0.00050	0.642	0.032	< 0.000010	+	0.09		< 0.00010	< 0.00030	0.000232	< 0.0030	
GH_FC1	GH_FC1_WS_2022-09-05_NP	2022-09-08 302	0.005		0.0219	< 0.00050	0.752	0.116	< 0.000010		0.1		< 0.00010	< 0.00030	0.000235	< 0.0030	
GH_FC1	GH_FC1_WS_2022-10-03_NP	2022-10-05 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GH_FC1	GH_FC1_WS_2022-11-07_NP	2022-11-09 316			0.047	< 0.00050	1.09	0.057	< 0.000010		0.1		< 0.00010	< 0.00030	0.000168	< 0.0030	
GH_GH1	GH_GH1_WS_2022-01-03_N	2022-01-04 263	0.005		0.0585	< 0.00050	0.929	0.076	< 0.000010	+	0.08		< 0.00010	< 0.00030	0.00021	< 0.0030	
GH_GH1 GH_GH1	GH_GH1_WS_2022-02-07_N GH_GH1_WS_2022-02-19_N		0.016		0.00187 0.00216	0.00813 0.00817	2.17	132 142	< 0.000010 < 0.000010		0.22		< 0.00010 < 0.00010	< 0.00030 < 0.00030	0.00828 0.00769	0.0036 < 0.0030	
GH GH1	GH GH1 WS 2022-02-19 NP		0.017	150	0.00210	0.00816	2.41	146	< 0.000010		0.23		< 0.00010	< 0.00030	0.00703	< 0.0030	
GH GH1	GH GH1 WS 2022-02-21 N		0.017	150	0.00164	0.00807	2.33	153	< 0.000010	+	0.21		< 0.00010	< 0.00030	0.00817	< 0.0030	
GH_GH1	GH_GH1_WS_2022-03-07_N	2022-03-04 963	0.017	150	0.00156	0.00823	2.34	149	< 0.000010	3.02	0.21	< 0.000010	< 0.00010	< 0.00030	0.00853	< 0.0030	
GH_GH1	GH_GH1_WS_2022-03-14_N	2022-03-15 1040	+	148	0.00323	0.00855	2.38	149	< 0.000010	2.92	0.22	< 0.000010	< 0.00010	< 0.00030	0.00788	< 0.0030	
GH_GH1	GH_GH1_WS_2022-03-21_N	2022-03-21 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GH_GH1 GH_GH1	GH_GH1_WS_2022-03-28_N GH_FOX3_WS_2022-04-04_N	2022-03-28 - 2022-04-04 -	-	-	-	-	-	-	-	+ -	-	-	-	-	-	-	
GH GH1	GH GH1 WS 2022-04-04 N		0.01		0.00347	0.005465	1.73	73.95	< 0.000010		0.16	< 0.000010	< 0.00010	0.001505	0.00483	< 0.0030	
GH GH1	GH GH1 WS 2022-04-11 N	2022-04-11 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GH_GH1	GH_GH1_WS_2022-04-18_N	2022-04-19 -	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
GH_GH1	GH_GH1_WS_2022-04-25_N	2022-04-26 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GH_GH1	GH_GH1_WS_2022-05-09_N	2022-05-10 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GH_GH1 GH_GH1	GH_GH1_WS_2022-05-16_N GH_GH1_WS_2022-05-23_N	2022-05-17 - 2022-05-23 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GH GH1	GH_GH1_WS_2022-05-25_N GH_GH1_WS_2022-05-30_N	2022-05-23 -	-	-	-	-	-	-	-	+ -	+-	-	-	-	-	-	
GH GH1	GH GH1 WS 2022-06-06 N	2022-06-06 -	-	<u> </u>	-	-	-	-	-	 -	 -	-	-	-	-	-	
GH_GH1	GH_GH1_WS_2022-06-13_N		0.011	67	0.00146	0.00679	1.48	65.5	< 0.000010		0.14	< 0.000010	< 0.00010	0.00067	0.00406	0.006	
GH_GH1	GH_GH1_WS_2022-06-17_N	2022-06-17 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GH_GH1	GH_GH1_WS_2022-06-18_N	2022-06-18 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GH_GH1	GH_GH1_WS_2022-06-19_N	2022-06-19 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GH_GH1	GH_GH1_WS_2022-06-20_N	2022-06-20 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals						
Sample	Sample ID	Sample Date	Hardness	Aluminum	Antimony	Arsenic	Barium*	Beryllium*	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Fead
Location	וט	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L ಲ	mg/L ပ္	mg/L	mg/L ບ	mg/L	mg/L	mg/L	mg/L ບ	mg	/L	mg/L 으
						Acute	Chroni	Chroni		Chronic				Acute Chronic		Acute	Acute
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a 3.3-3.5
Greenhills Operation		2000 00 01	1	T	T		1	1	T		1	1	1	1	T	1	
GH_GH1 GH_GH1	GH_GH1_WS_2022-06-21_N GH_GH1_WS_2022-06-22_N	2022-06-21 2022-06-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH GH1	GH GH1 WS 2022-06-27 N	2022-06-27	-	-	-	_	-	-	-	-	_	-	-	-	_	-	-
GH_GH1	GH_GH1_WS_2022-07-04_N	2022-07-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_FOX3_WS_2022-07-04_N	2022-07-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_GH1	GH_GH1_WS_2022-07-11_N	2022-07-11		0.02903333	0.000263333	0.000213	0.0368333	< 0.020	< 0.000050	0.011333	0.000084	71.016667	0.00015667	< 0.10	0.00055667	0.026333	< 0.000050
GH_GH1 GH_GH1	GH_GH1_WS_2022-08-01_N GH_GH1_WS_2022-09-05_N	2022-08-04 2022-09-06	937	0.0059	0.00048	0.00019	0.053	< 0.020	< 0.000050	0.012	0.000013	162	0.0001	< 0.10	< 0.00050	< 0.010	< 0.000050
GH GH1	GH GH1 WS 2022-10-03 N	2022-10-03	1020	0.0039	0.00048	0.00013	0.033	< 0.020	< 0.000050	0.012	< 0.0050	156	< 0.0001	< 0.10	< 0.00050	< 0.010	< 0.000050
GH_GH1	GH_GH1_WS_2022-10-03_N	2022-10-03	1130	0.00403	0.000443	0.000233	0.0467	< 0.020	< 0.000050	0.0103	0.0000076	193	0.00010	< 0.10	< 0.00050	< 0.010	< 0.000050
GH_GH1	GH_GH1_WS_2022-11-07_N_CALC	2022-11-07	1080	0.0117	0.00041	0.0002	0.0425	< 0.020	< 0.000050	< 0.010	0.0000099	183	0.00014	< 0.10	< 0.00050	0.011	< 0.000050
GH_GH1	GH_GH1_WS_2022-11-10_N	2022-11-10	1130	0.0119	0.00036	0.00017	0.0489	< 0.020	< 0.000050	0.01	< 0.0050	188	0.00012	< 0.10	< 0.00050	< 0.010	< 0.000050
GH_GH1	GH_FOX1_WS_2022-11-17_FD	2022-11-17	970	0.0078	0.00039	0.00022	0.045	< 0.020	< 0.000050	0.011	0.0000066	186	0.00013	< 0.10	< 0.00050	< 0.010	< 0.000050
GH_LC1 GH_LC1	GH_LC1_WS_2022-06_06_N GH_LC1_WS_2022-06-20_N	2022-06-19 2022-06-20	714 387	0.00596667 0.248	0.0003 0.00046	0.000173	0.0299667 0.0728	< 0.020 < 0.020	< 0.000050 < 0.000050	0.010667	< 0.0050 0.0000733	132.35 93.3	0.00011667 0.00056	< 0.10 3E-04	< 0.00050 0.00103	< 0.010 0.364	< 0.000050 0.000236
GH PC1	GH PC1 WS 2022-08-01 N	2022-08-08	291	0.0877	0.00035	0.00037	0.0729	< 0.020	< 0.000050	0.019	0.0000733	72.8	0.00038	2E-04	0.00082	0.126	0.000230
GH_PC1	GH_PC1_WS_SESMP_2022-08_N	2022-08-17	609	0.0118	< 0.00010	0.00025	0.0832	< 0.020	< 0.000050	< 0.010	0.0000312	108	0.00076	< 0.10	< 0.00050	0.02	< 0.000050
GH_PC1	GH_PC1_DS_WS_2022-08-24_NP	2022-08-24	592	0.0092	< 0.00010	0.00037	0.0846	< 0.020	< 0.000050	< 0.010	0.0000299	105	0.00038	< 0.10	< 0.00050	< 0.010	< 0.000050
GH_PC1	GH_PC1_DS_WS_2022-08-25_NP	2022-08-25	596	0.0105	< 0.00010	0.00026	0.0817	< 0.020	< 0.000050	< 0.010	0.0000237	104	0.00037	< 0.10	< 0.00050	< 0.010	< 0.000050
GH_PC1 GH_PC1	GH_PC1_DS_WS_2022-08-26_NP GH_PC1_DS_WS_2022-08-27_NP	2022-08-26 2022-08-27	565 595	0.011 0.0069	< 0.00010 0.00012	0.00021 0.00025	0.0808 0.0858	< 0.020 < 0.020	< 0.000050 < 0.000050	< 0.010 < 0.010	0.0000309 0.0000255	102 116	0.00027 0.00032	< 0.10 < 0.10	< 0.00050 < 0.00050	< 0.010 < 0.010	< 0.000050 < 0.000050
GH_PC1	GH PC1 DS WS 2022-08-28 NP	2022-08-28	537	0.0009	< 0.00012	0.00023	0.0863	< 0.020	< 0.000050	< 0.010	0.000025	109	0.00032	< 0.10	< 0.00050	0.012	< 0.000050
GH TC2	GH TC2 WS 2022-01-03 N	2022-01-12	524	0.0092	< 0.00010	0.00033	0.0924	< 0.020	< 0.000050	< 0.010	0.0000312	115	0.00032	< 0.10	< 0.00050	< 0.010	< 0.000050
GH_TC2	GH_TC2_WS_2022-02-07_N	2022-02-08	1080	0.0107	0.00019	0.00016	0.0633	< 0.020	< 0.000050	0.023	0.0000238	217	< 0.00010	< 0.10	< 0.00050	0.015	< 0.000050
GH_TC2	GH_TC2_WS_2022-03-07_N	2022-03-08	1090	0.0083	0.0002	0.00016	0.0617	< 0.020	< 0.000050	0.023	0.0000247	244	< 0.00010	< 0.10	< 0.00050	0.015	< 0.000050
GH_TC2	GH_TC2_WS_2022-03-14_N	2022-03-17	1110	0.0202	0.00017	0.00019	0.0646	< 0.020	< 0.000050	0.023	0.0000249	250	< 0.00010	< 0.10	< 0.00050	0.027	< 0.000050
GH_TC2 GH_TC2	GH_TC2_WS_2022-03-20_N GH_TC2_WS_2022-03-21_N	2022-03-20 2022-03-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH TC2	GH TC2 WS 2022-03-21 N	2022-03-23	_	-	-	_	_		-	_	_	_	-	-	-	_	-
GH_TC2	GH_TC2_WS_2022-04-04_N	2022-04-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-04-11_N	2022-04-12	685	0.0389	0.00015	0.00016	0.0703	< 0.020	< 0.000050	0.019	0.0000286	138	0.00011	< 0.10	0.00051	0.068	< 0.000050
GH_TC2	GH_TC2_WS_2022-04-18_N	2022-04-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	=
GH_TC2 GH TC2	GH_TC2_WS_2022-04-25_N GH_TC2_WS_2022-05-02_N	2022-04-27 2022-05-04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2 GH_TC2	GH_TC2_WS_2022-05-02_N GH_TC2_WS_2022-05-09_N	2022-05-04	468	0.088	0.00013	0.00021	0.0639	< 0.020	< 0.000050	0.02	0.0000379	103	0.00015	- 1F-04	0.00061	0.119	0.000104
GH_TC2	GH_TC2_WS_2022-05-16_N	2022-05-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-05-23_N	2022-05-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-05-30_N	2022-06-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-06-06_N	2022-06-08	- 606	- 0.0077	- 0.00019	- 0.00000	- 0.0707	- 0.000	- 0.000050	- 0.006	- 0.0000000	122	- 0.00010	- 0.40	- 0.00050	- 0.010	- 0.000050
GH_TC2 GH TC2	GH_TC2_WS_2022-06-13_N GH_TC2_WS_2022-06-20_N	2022-06-15 2022-06-22	606	0.0077	0.00018	0.00022	0.0767	< 0.020	< 0.000050	0.026	0.0000202	133	< 0.00010	< 0.10	< 0.00050	0.016	< 0.000050
GH_TC2	GH TC2 WS 2022-06-20 N GH TC2 WS 2022-06-27 N	2022-06-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_2022-07-04_N	2022-07-06	-	-	-	-	-	-	-	-		-	-	<u> </u>	-	-	-
GH_TC2	GH_TC2_WS_2022-07-11_N	2022-07-13	640	0.063	0.00016	0.00025	0.0744	< 0.020	< 0.000050	0.028	0.0000274	116	0.00013	< 0.10	0.0005	0.08	< 0.000050
GH_TC2	GH_TC2_WS_2022-08-01_N	2022-08-03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GH_TC2	GH_TC2_WS_SESMP_2022-08_N	2022-08-22		0.0124	0.00027	0.00033	0.0715	< 0.020	< 0.000050	0.036	0.0000162	199	< 0.00010	< 0.10	< 0.00050	0.023	< 0.000050
GH_TC2 GH_TC2	GH_TC2_WS_2022-09-05_N GH_TC2_WS_2022-09-14_N	2022-09-08 2022-09-14	1350	0.0301	0.0003	0.00036	0.0641	< 0.020	< 0.000050	0.03	0.000026	217	< 0.00010	< 0.10	< 0.00050	0.123	0.000062
GH_TC2	GH TC2 WS 2022-09-14 N		1420	0.0055	0.00031	0.00026	0.0637	< 0.020	< 0.000050	0.03	0.0000062	264	< 0.00010	< 0.10	< 0.00050		< 0.000050
GH TC2	GH TC2 WS 2022-09-22 N	2022-09-22			0.00026	0.00025	0.0595	< 0.020	< 0.000050	0.023	0.0000116	211	< 0.00010		< 0.00050	0.041	< 0.000050

< Denotes concentration less than indicated detection limit

Denotes analysis not conducted
 n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

Sample S	- 0 0.00768 0 0.00767 0 0.00861 0 0.00826 0 0.0081 0 0.00848	### Page 10
Sample S	0.0085 0.0085 	N mg/L SE
BC WQG FWAL N/a N/a N/a 0.001-0.03* 0.0009-0.15* N/a 2 0.0001-0.003* 0.00005-0.0015* N/a N/	0.0085	- 0.0031-2° 0.0075-2° 0.0051667 - 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030
BC WQG FWAL N/a N/a N/a N/a N/a 0.001-0.03* 0.0009-0.01* 0.025-0.15* N/a 2 0.0001-0.003* 0.00005-0.0015* N/a	0.0085	0.033-2ª 0.0075-2ª 0.0051667 - <0.0030 <0.0030 <0.0030 <0.0030 <0.0030 <0.0030
Greenhills Operation		- - - 0.0051667 - - 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030
GH GH1 GH GH1 WS 2022-06-21 N 2022-06-22 N 2022-06-22 N 2022-06-22 N 2022-06-22 N 2022-06-22 N 2022-06-22 N 2022-06-22 N 2022-06-22 N 2022-06-22 N 2022-06-22 N 2022-06-22 N 2022-06-22 N 2022-06-22 N 2022-06-22 N 2022-06-22 N 2022-06-27 N 2022-06-27 N 2022-06-27 N 2022-07-04 N 2		- - - 0.0051667 - < 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030
GH GH1		- - - 0.0051667 - < 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030
GH GH1 GH GH WS 2022-06-27 N 2022-06-27		- 0.0051667 - < 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030
GH_GH1	- 0 0.00768 0 0.00767 0 0.00861 0 0.00826 0 0.0081 0 0.00848	- 0.0051667 - 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030
GH_GH1	- 0 0.00768 0 0.00767 0 0.00861 0 0.00826 0 0.0081 0 0.00848	0.0051667 - 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030
GH_GH1	- 0 0.00768 0 0.00767 0 0.00861 0 0.00826 0 0.0081 0 0.00848	- 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030
GH GH1 GH GH1 WS_2022-09-05 N 2022-09-06 937 0.017 121 0.00188 0.0103 2.18 113 < 0.000010 2.38 0.18 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010 < 0.000010	0 0.00767 0 0.00861 0 0.00826 0 0.0081 0 0.00848	< 0.0030 < 0.0030 < 0.0030 < 0.0030 < 0.0030
GH_GH1 GH_GH1_WS_2022-10-03_N 2022-10-03_N 1020_0.017_144.5 0.000885 0.00855 2.385_145 < 0.000010 2.43_0.17_ < 0.000010 < 0.00010 < 0.00030 GH_GH1 GH_GH1_WS_2022-11-07_N N 2022-11-03_1130_0.017_179_0.00176 0.00176 0.00914_2.6 167_ < 0.000010	0 0.00767 0 0.00861 0 0.00826 0 0.0081 0 0.00848	< 0.0030 < 0.0030 < 0.0030 < 0.0030
GH GH1 GH GH1 WS 2022-11-07 N 2022-11-03 1130 0.017 179 0.00176 0.00914 2.6 167 < 0.000010 2.75 0.21 < 0.000010 < 0.00010 < 0.00010 < 0.00030 GH GH1 GH GH1 WS 2022-11-07 N CALC 2022-11-07 1080 0.019 154 0.00107 0.00798 2.37 175 < 0.000010 2.51 0.2 < 0.000010 < 0.00010 < 0.00030 < 0.00030 GH GH1 GH GH1 WS 2022-11-10 N 2022-11-10 1130 0.018 168 0.00094 0.00778 2.48 156 < 0.000010 2.59 0.2 < 0.000010 < 0.00010 < 0.00030 < 0.00030 GH GH1 GH FOXI WS 2022-11-17 FD 2022-11-17 970 0.02 169 0.0011 0.00829 2.58 188 < 0.000010 1.88 0.14 < 0.000010 < 0.00010 < 0.00030 < 0.00030 GH LC1 GH LC1 WS 2022-06_06 N 2022-06-19 714 0.015 118.3 0.000656667 0.0058 1.75 116.683 < 0.000010 1.88 0.14 < 0.000010 < 0.00010 < 0.00030 < 0.00010 < 0.00030 GH LC1 GH LC1 WS 2022-06-20 N 2022-06-20 387 0.047 45.2 0.0189 0.0126 1.98 52.5 0.00001 1.98 52.5 0.00001 0.000010 7.97 0.23 < 0.000010 < 0.00010 < 0.00010 0.00010 GH PC1 WS 2022-08-01 N 2022-08-08 291 0.028 292 0.015 0.015 0.00667 1.55 25.9 < 0.000010 7.97 0.23 < 0.000010 < 0.00010 0.00010	0.00861 0.00826 0.0081 0.00848	< 0.0030 < 0.0030 < 0.0030
GH_GH1	0.00826 0.0081 0.00848	< 0.0030 < 0.0030
GH GH1 GH FOX1 WS 2022-11-17 FD 2022-11-17 PD 2022-11-17 PD 0.02 169 0.0011 0.00829 2.58 188 188 < 0.000010 2.81 0.2 < 0.00010 < 0.00030 < 0.00030 GH LC1 WS 2022-06_06 N 2022-06-19 714 0.015 118.3 0.000656667 0.0058 1.75 116.683 0.000010 1.88 0.14 < 0.000010 < 0.00030 < 0.00030 < 0.00030 < 0.0004 < 0.0004 < 0.00030 < 0.0004 < 0.0004 < 0.0004 < 0.00030 < 0.0004 < 0.00030 < 0.0004 < 0.00030 < 0.0004 < 0.0004 < 0.00030 < 0.0004 < 0.00010 < 0.00030 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 < 0.00010 <	0.00848	
GH_LC1 GH_LC1 WS_2022-06_06 N 2022-06-19 714 0.015 118.3 0.000656667 0.0058 1.75 116.683 < 0.000010 1.88 0.14 < 0.000010 < 0.00010 < 0.00030 GH_LC1 WS_2022-06-20 N 2022-06-20 N 2022-06-20 N 2022-06-20 387 0.047 45.2 0.0189 0.0126 1.98 52.5 0.00001 10.9 0.3 0.000012 < 0.00010 0.00447 GH_PC1 WS_2022-08-01 N 2022-08-08 291 0.028 29.2 0.015 0.00667 1.55 25.9 < 0.000010 7.97 0.23 < 0.000010 < 0.00010 0.00129		~ 0.0020
GH_LC1 GH_LC1_WS_2022-06-20_N 2022-06-20_S 387_0.047_45.2 0.0189_O.0189 0.0126_S 1.98_52.5 0.00001 10.9_0.3 0.000012_O.00010 0.00447_O.00010 GH_PC1 GH_PC1_WS_2022-08-01_N 2022-08-08_291_O.028_292_O.0015 0.015 0.00667_S 1.55_9_0 0.000010 7.97_0.23_O.000010 0.00010_O.00010_O.000129	1 1 0 00600333	< 0.0030
GH_PC1 GH_PC1_WS_2022-08-01_N 2022-08-08 291 0.028 29.2 0.015 0.00667 1.55 25.9 < 0.000010 7.97 0.23 < 0.000010 < 0.00010 0.00129	_	
	0.00327 0.00189	0.0038
GH PC1 GH PC1 WS SESMP 2022-08 N 2022-08-17 609 0.007 78 0.00094 0.0014 1.1 63 < 0.000010 0.83 0.13 0.000012 < 0.00010 < 0.00030	_	0.007
GH PC1		0.0068
GH PC1 GH PC1 DS WS 2022-08-25 NP 2022-08-25 596 0.007 88.5 0.00089 0.00127 1.1 59 < 0.000010 0.84 0.13 < 0.000010 < 0.00010 < 0.00010	_	0.0059
GH_PC1 GH_PC1_DS_WS_2022-08-26_NP 2022-08-26 565 0.007 75.2 0.00098 0.00128 1.04 65.4 < 0.000010 0.85 0.13 0.000012 < 0.00010 < 0.00030	0.00486	0.0121
GH_PC1 GH_PC1_DS_WS_2022-08-27_NP 2022-08-27 595 0.009 85 0.00075 0.00132 1.13 67.7 < 0.000010 0.86 0.14 0.000012 < 0.00010 < 0.00010 < 0.00010 < 0.00010	_	0.0059
GH_PC1 GH_PC1_DS_WS_2022-08-28_NP 2022-08-28 537 0.008 75.7 0.00124 0.00134 1.06 72.6 < 0.000010 0.8 0.15 < 0.000010 < 0.00010 < 0.00010 < 0.00030	_	0.007
GH_TC2	_	0.0067 < 0.0030
GH TC2 GH TC2 WS 2022-03-07 N 2022-03-08 1090 0.031 153 0.00625 0.00345 1.87 149 < 0.000010 10.8 0.62 < 0.000010 < 0.00010 < 0.00010 < 0.00010 < 0.00010	_	< 0.0030
GH TC2	0.00566	< 0.0030
GH_TC2	-	-
GH_TC2	-	-
GH_TC2	-	-
GH_TC2	- 0.0070	- 0.0020
GH_TC2	0.00279	< 0.0030
GH TC2	-	-
GH_TC2	-	-
GH_TC2 GH_TC2_WS_2022-05-09_N 2022-05-11 468 0.014 56.4 0.00986 0.00238 1.35 51.4 < 0.000010 5.95 0.3 < 0.000010 < 0.00010 0.00181	0.00211	< 0.0030
GH_TC2	-	-
GH_TC2	-	-
GH_TC2	-	-
GH_TC2	0.00337	< 0.0030
GH TC2 GH TC2 WS 2022-06-20 N 2022-06-22	- 0.00337	-
GH_TC2	-	-
GH_TC2 GH_TC2_WS_2022-07-04_N 2022-07-06	-	-
GH_TC2 GH_TC2_WS_2022-07-11_N 2022-07-13 640 0.021 74.2 0.00637 0.00415 1.58 66.3 < 0.000010 6.92 0.38 < 0.000010 < 0.00010 0.00195		< 0.0030
GH_TC2	-	-
GH_TC2 GH_TC2_WS_SESMP_2022-08_N 2022-08-22 907 0.04 146 0.00545 0.00695 2.3 169 < 0.000010 9.55 0.56 0.000011 < 0.00010 < 0.00030 GH TC2 GH TC2_WS_2022-09-05_N 2022-09-08 1350 0.046 174 0.0172 0.00733 2.47 145 < 0.000010 9.2 0.56 0.000013 < 0.00600 0.00036	0.0072	< 0.0030 < 0.0030
GH_TC2	0.00742	< 0.0030
GH TC2		< 0.0030
GH TC2	0.00853	< 0.0030

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals								
Sample	Sample	Sample Date	- Hardness	Aluminum	Antimony	Arsenic	3arium*	Beryllium*	Bismuth	Boron	Sadmium	Salcium	Chromium		Sobalt	Copper	ron	-ead	
Location	ID	(mm/dd/yyyy)	ma/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		ig/L	mg		mg/	/L
			J	J	, and the second	Acute	Chronic	Chronic	, and the second	Chronic		<u> </u>	•	Acute	Chronic	3	Acute	Acute	Chronic
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11	0.004	n/a	1	0.003-5.5 ^a	3.3-3.5 ^a
Greenhills Operation					_	ı	1	1	1	1			1	1		1		1	
GH_TC2	GH_TC2_WS_2022-09-23_N		1310	0.0096	0.00027	0.00025	0.0572	< 0.020	< 0.000050	0.025	0.0000089	212	< 0.00010	< 0.10		< 0.00050	0.014	0.00006	
GH_TC2	GH_TC2_WS_2022-09-24_N		1280	0.0104	0.0003	0.00034	0.0617	< 0.020	< 0.000050	0.028	0.0000067	230	< 0.00010	< 0.10		< 0.00050	0.013	< 0.000050	
GH_TC2	GH_TC2_WS_2022-09-25_N		1200	0.0062	0.00018	0.00024	0.0594	< 0.020	< 0.000050	0.026	0.0000082	232	< 0.00010	< 0.10		< 0.00050	< 0.010	< 0.000050	
GH_TC2	GH_TC2_WS_2022-09-26_N		1310	0.008	0.00112	0.00021	0.0603	< 0.020	< 0.000050	0.025	0.000009	242	< 0.00010	< 0.10		< 0.00050	< 0.010	< 0.000050	
GH_TC2	GH_TC2_WS_2022-09-27_N		1260	0.0106	0.0002	0.00021	0.0613	< 0.020	< 0.000050	0.026	0.0000081	243	< 0.00010	< 0.10		< 0.00050	0.012	< 0.000050	
GH_TC2	GH_TC2_WS_2022-10-03_N		1430	0.006	0.00032	0.00022	0.0579	< 0.020	< 0.000050	0.021	0.0000088	211	< 0.00010	< 0.10		< 0.00050	< 0.010	< 0.000050	
GH_TC2	GH_TC2_WS_2022-11-07_N		1350	0.0092	0.00024	0.0002	0.0662	< 0.020	< 0.000050	0.026	0.0000096	251	< 0.00010	< 0.10		< 0.00050	0.014	< 0.000050	
GH_WC1	GH_FOX1_WS_2022-01-03_N		1300	0.0102	0.00024	< 0.00020	0.0634	< 0.040	< 0.000100	0.024	0.000021	235	< 0.00020	< 0.20		< 0.00100	< 0.020	< 0.000100	
GH_WC1	GH_FOX2_WS_2022-02-07_N		1114	< 0.0060	0.000766667	0.000183	0.0401	< 0.040	< 0.000100	0.020333	2.40333E-05	203.35	< 0.00020	< 0.20		< 0.00100	< 0.020	< 0.000100	
GH_WC1	GH_FOX2_WS_2022-03-07_N	2022-03-09	1087	< 0.0060	0.000773333	0.00018	0.0392333	< 0.040	< 0.000100	0.019667	0.0000206	195.35	< 0.00020	< 0.20		< 0.00100	< 0.020	< 0.000100	
GH_WC1	GH_WC1_WS_2022-03-14_N		1074	< 0.0060	0.00076	0.000177	0.0419333	< 0.040	< 0.000100	0.020667	0.0000222	208.01667	< 0.00020	< 0.20		< 0.00100	< 0.020	< 0.000100	
GH_WC1	GH_WC1_WS_2022-03-21_N	2022-03-23	1500	0.0064	0.00091	0.00021	0.0633	< 0.040	< 0.000100	0.026	0.0000322	316	< 0.00020	< 0.20		< 0.00100	< 0.020	< 0.000100	
GH_WC1	GH_WC1_WS_2022-03-28_N	2022-03-30	1400	0.0205	0.0009	0.00022	0.064	< 0.040	< 0.000100	0.025	0.0000328	266	< 0.00020	< 0.20		< 0.00100	< 0.020	< 0.000100	
GH_WC1	GH_WC1_WS_2022-04-04_N	2022-04-05	792	0.0664	0.00067	0.00024	0.0719	< 0.020	< 0.000050	0.019	0.0000456	177	0.00031	2E-04		0.00055	0.046	< 0.000050	
GH_WC1	GH_WC1_WS_2022-04-11_N	2022-04-13	891	0.0194	0.00078	0.0002	0.0669	< 0.020	< 0.000050	0.02	0.0000436	182	< 0.00010	2E-04		0.00056	0.023	< 0.000050	
GH_WC1	GH_WC1_WS_2022-04-18_N	2022-04-20	1060	0.0117	0.00083	0.0003	0.0706	< 0.020	< 0.000050	0.022	0.0000433	203	< 0.00010	2E-04		0.00051	0.013	< 0.000050	
GH_WC1	GH_WC1_WS_2022-04-25_N	2022-04-26	1200	0.0045	0.00088	0.00022	0.0671	< 0.020	< 0.000050	0.021	0.0000356	232	< 0.00010	2E-04		0.00057	< 0.010	< 0.000050	
GH_WC1	GH_WC1_WS_2022-05-02_N	2022-05-03	1120	0.0209	0.0009	0.00024	0.0752	< 0.020	< 0.000050	0.022	0.0000536	230	< 0.00010	2E-04		0.00052	0.031	< 0.000050	
GH_WC1	GH_WC1_WS_2022-05-09_N		1260	< 0.0120	0.001	0.0002	0.0704	< 0.020	< 0.000050	0.023	0.0000357	267	< 0.00010	2E-04		< 0.00050	0.011	< 0.000050	
GH_WC1	GH_WC1_WS_2022-05-16_N		1280	0.0131	0.00092	0.00028	0.0735	< 0.020	< 0.000050	0.022	0.0000348	244				0.00056	0.013	< 0.000050	
GH_WC1	GH_WC1_WS_2022-05-23_N	2022-05-25	1620	0.0076	0.00106	0.00022	0.0748	< 0.040	< 0.000100	0.027	0.0000408	296	< 0.00020	3E-04		< 0.00100	< 0.020	< 0.000100	
GH_WC1	GH_WC1_WS_2022-05-30_N	2022-05-31	1660	0.0054	0.00116	0.00023	0.065	< 0.020	< 0.000050	0.026	0.0000322	310	< 0.00010	3E-04		< 0.00050	< 0.010	< 0.000050	
GH_WC1	GH_WC1_WS_2022-06-06_N		1720	0.0062	0.00131	0.00026	0.0677	< 0.020	< 0.000050	0.027	0.0000286	346	< 0.00010	3E-04		0.00052	< 0.010	< 0.000050	
GH_WC1	GH_WC1_WS_2022-06-13_N		1770	0.0103	0.00129	0.00027	0.0744	< 0.040	< 0.000100	0.028	0.0000406	331	< 0.00020	2E-04		< 0.00100	< 0.020	< 0.000100	
GH_WC1	GH_WC1_WS_2022-06-20_N		1450	0.0357	0.00097	0.0003	0.0687	< 0.020	< 0.000050	0.023	0.0000372	253	0.00022	2E-04		< 0.00050	0.034	< 0.000050	
GH_WC1	GH_WC1_WS_2022-06-27_N		1230	0.0067	0.0009	0.00023	0.0732	< 0.040	< 0.000100	0.026	0.0000402	255	< 0.00020	< 0.20		< 0.00100	< 0.020	< 0.000100	
GH_WC1	GH_FOX2_WS_2022-07-04_N		1570	0.0082	0.00112	0.00024	0.0696	< 0.020	< 0.000050	0.029	0.0000282	293	< 0.00010	2E-04		0.00057	< 0.010	< 0.000050	
GH_WC1	GH_WC1_WS_2022-07-11_N	2022-07-12	954	0.13433333	0.000683333	0.000287	0.0497567	< 0.040	< 0.000100	0.024	0.0000435	168.35	0.00023	3E-04		< 0.00100	0.160333		
GH_WC1	GH_WC1_WS_2022-08-01_N	2022-08-03	1630	< 0.0150	0.00128	< 0.00050	0.0671	< 0.100	< 0.000250	< 0.050	0.00003	293	< 0.00050	< 0.50		< 0.00250	< 0.050	< 0.000250	
GH_WC1	GH_FOX2_WS_2022-09-05_N	2022-09-07	1950	0.0071	0.00178	0.00032	0.0654	< 0.040	< 0.000100	0.04	0.0000238	410	< 0.00020	4E-04		< 0.00100	< 0.020	< 0.000100	
GH_WC1	GH_WC1_WS_2022-09-12_N	2022-09-12	1437	< 0.0060	0.001	0.000197	0.0365267	< 0.040	< 0.000100	0.024667	8.46667E-06	261.35	0.00033667	2E-04		< 0.00100	< 0.020	< 0.000100	
GH_WC1	GH_WC1_WS_2022-10-03_N		2170	0.0051	0.00149	0.00032	0.0484	< 0.020	< 0.000050	0.032	0.0000076	364	< 0.00010	3E-04		< 0.00050	< 0.010	< 0.000050	
GH_WC1	GH_FOX2_WS_2022-11-07_N	2022-11-08	2340	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04		< 0.00100	< 0.020	< 0.000100	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

				1	T	1	1	1	Total Metals	1	1 1		1	1	Į.	1	
Sample	Sample	Sample Date	Lithium	Magnesium	Manganese	Nickel*	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Uranium*		Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	n	ıg/L
					Acute Chronic	Chronic		Chronic	Acute Chronic						Chronic	Acute	Chronic
BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a	0.0075-2 ^a
Greenhills Operation																	
GH_TC2	GH_TC2_WS_2022-09-23_N		0.043		0.00171	0.00732	2.5	176	< 0.000010		0.57	< 0.000010	< 0.00010	< 0.00030	0.00807	< 0.0030	
GH_TC2	GH_TC2_WS_2022-09-24_N		0.046		0.00131	0.00746	2.66	189	< 0.000010		0.58	< 0.000010	< 0.00010	< 0.00030	0.00801	< 0.0030	
GH_TC2	GH_TC2_WS_2022-09-25_N		0.042	172	0.00127	0.00814	2.59	162	< 0.000010		0.56	< 0.000010	< 0.00010	< 0.00030	0.008	< 0.0030	
GH_TC2	GH_TC2_WS_2022-09-26_N		0.042	169	0.00144	0.00806	2.48	160	< 0.000010		0.56	< 0.000010	0.0009	0.00105	0.00796	< 0.0030	
GH_TC2	GH_TC2_WS_2022-09-27_N		0.043		0.00203	0.00903	2.62	167	< 0.000010		0.57	< 0.000010	< 0.00010	0.00042	0.00825	< 0.0030	
GH_TC2	GH_TC2_WS_2022-10-03_N		0.037	170	0.00105	0.00755	2.43	173	< 0.000010		0.53	< 0.000010	< 0.00010	< 0.00030	0.00753	< 0.0030	
GH_TC2	GH_TC2_WS_2022-11-07_N		0.044	194	0.006	0.00818	2.74	176	< 0.000010		0.66	< 0.000010	< 0.00010	< 0.00030	0.00746	< 0.0030	
GH_WC1	GH_FOX1_WS_2022-01-03_N		0.042		0.00353	0.00874	2.3	165	< 0.000020		0.62	< 0.000020	< 0.00020	< 0.00060	0.0082	< 0.0060	
GH_WC1	GH_FOX2_WS_2022-02-07_N		0.088	147.7	0.000603333	0.0401		182.017	< 0.000020		0.54	< 0.000020	< 0.00020	< 0.00060	0.0091033	< 0.0060	
GH_WC1	GH_FOX2_WS_2022-03-07_N		0.087	138.3	0.00053	0.039533333		165.017	< 0.000020		0.55	< 0.000020	< 0.00020	< 0.00060	0.0092033	< 0.0060	
GH_WC1	GH_WC1_WS_2022-03-14_N		0.088	136.7	0.000436667	0.039266667	3.26	162.683	< 0.000020		0.6	< 0.000020	< 0.00020	< 0.00060	0.0101033	< 0.0060	
GH_WC1	GH_WC1_WS_2022-03-21_N		0.122	208	0.00057	0.0543	4.65	232	< 0.000020		0.86	< 0.000020	< 0.00020	< 0.00060	0.0131	< 0.0060	
GH_WC1	GH_WC1_WS_2022-03-28_N		0.109	188	0.00074	0.0483	4.4	205	< 0.000020		0.82	< 0.000020	< 0.00020	0.00066	0.0118	< 0.0060	
GH_WC1	GH_WC1_WS_2022-04-04_N	2022-04-05 792	0.068	104	0.00187	0.0222	3.09	121	< 0.000010		0.53	0.000011	< 0.00010	0.0018	0.0058	< 0.0030	
GH_WC1	GH_WC1_WS_2022-04-11_N		0.082	112	0.00091	0.0268	3.2	162	< 0.000010		0.58	0.000011	0.00012	0.00042	0.00749	< 0.0030	
GH_WC1	GH_WC1_WS_2022-04-18_N		0.094	125	0.00074	0.0331	3.69	186	< 0.000010		0.64	0.000012	< 0.00010	< 0.00030	0.00888	< 0.0030	
GH_WC1	GH_WC1_WS_2022-04-25_N		0.103	158	0.00051	0.0416	3.69	228	< 0.000010		0.7	0.000011	< 0.00010	< 0.00030	0.0103	< 0.0030	
GH_WC1	GH_WC1_WS_2022-05-02_N	2022-05-03 1120	0.1	146	0.00195	0.0419	3.82	208	< 0.000010		0.69	0.000014	< 0.00010	0.00039	0.00989	< 0.0030	
GH_WC1	GH_WC1_WS_2022-05-09_N		0.106	167	0.00072	0.0488	4.14	267	< 0.000010		0.73	0.000013	< 0.00010	< 0.00030	0.012	< 0.0030	
GH_WC1	GH_WC1_WS_2022-05-16_N		0.103	167	0.00088	0.0504	4.34	223	< 0.000010		0.69	0.000016	< 0.00010	< 0.00060	0.011	< 0.0030	
GH_WC1	GH_WC1_WS_2022-05-23_N		0.136	196	0.00086	0.0657	5.04	285	< 0.000020		0.81	< 0.000020	< 0.00020	< 0.00060	0.0135	< 0.0060	
GH_WC1	GH_WC1_WS_2022-05-30_N		0.135		0.00096	0.0744	5	306	< 0.000010		0.8	0.00002	< 0.00010	< 0.00030	0.0148	< 0.0030	
GH_WC1	GH_WC1_WS_2022-06-06_N		0.151	255	0.00091	0.0817	5.59	348	< 0.000010		0.92	0.000021	< 0.00010	< 0.00030	0.0173	< 0.0030	
GH_WC1	GH_WC1_WS_2022-06-13_N		0.172		0.00108	0.082	5.61	340	< 0.000020		0.87	< 0.000020	< 0.00020	< 0.00060	0.0169	< 0.0060	
GH_WC1	GH_WC1_WS_2022-06-20_N		0.125	180	0.00187	0.0586	4.47	256	< 0.000010		0.72	0.000022	< 0.00010	0.00099	0.0136	< 0.0030	
GH_WC1	GH_WC1_WS_2022-06-27_N		0.111	160	0.00085	0.0474	4	191	< 0.000020		0.65	< 0.000020	< 0.00020	< 0.00060	0.0106	< 0.0060	
GH_WC1	GH_FOX2_WS_2022-07-04_N		0.133		0.00093	0.0647	5.03	259	< 0.000010		0.74	0.000018	< 0.00010	0.00031	0.0134	< 0.0030	
GH_WC1	GH_WC1_WS_2022-07-11_N		0.087	118.3	0.004036667	0.0383	2.99	155.35	< 0.000020		0.48	1.93333E-05	< 0.00020	0.0030267	0.00823667	< 0.0060	
GH_WC1	GH_WC1_WS_2022-08-01_N		0.167	231	0.00115	0.0796	5.78	293	< 0.000050		0.81	< 0.000050	< 0.00050	< 0.00150	0.0166	< 0.0150	
GH_WC1	GH_FOX2_WS_2022-09-05_N		0.234		0.00156	0.106	7.03	420	< 0.000020		1.1	0.000061	< 0.00020	< 0.00060	0.0239	< 0.0060	
GH_WC1	GH_WC1_WS_2022-09-12_N		0.132		0.000806667	0.072833333	4.59	280.683	< 0.000020		0.63	2.26667E-05	< 0.00020	< 0.00060	0.0148367	< 0.0060	
GH_WC1	GH_WC1_WS_2022-10-03_N		0.201	296	0.00105	0.105	7.04	459	< 0.000010		0.96	0.000032	< 0.00010	< 0.00030	0.0239	< 0.0030	
GH_WC1	GH_FOX2_WS_2022-11-07_N	2022-11-08 2340	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted

n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals							
											Total metals							
			ıΩ	£	>			*=	_		٤		E					
			Jes J	Ë	٥	nic	*_	ry III	늄	_	. <u>ē</u>	шn	romium	=	ē			
			臣		튶	ser	Ē		L us	ō	퉏	Calciun		obalt	Coppe	<u> </u>	3	Lead
Sample	Sample	Sample Date	坣	_ ₹	_ ₹	₹	m	B	酒	8	ပိ		5	ပ		_ ₹	_	
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg.	<u>L</u>	mg	g/L
						o	je Si	nic		Chronic				Acute Chronic		Φ	Φ]
						cute	Chroi	Chro		l r				Acute		G. I	c c	Chron
			 			<		_			<u> </u>					⋖ .	<	
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a	3.3-3.5 ^a
Line Creek Operation LC DCDS	LC DCDS WS Q1-2022 N	2022-01-05	_	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	< 0.000100)
LC DCDS	LC DCDS WS 2022-01-10 N	2022-01-12	513	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_DCDS	LC_DCDS_WS_2022-01-17_N	2022-01-19	499	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	< 0.000100)
LC_DCDS	LC_DCDS_WS_2022-01-24_N	2022-01-26	557	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_DCDS	LC_DCDS_WS_2022-01-31_N	2022-02-01	516	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_DCDS	LC_DCDS_MNT_2022-02-08_N LC_DCDS_WS_2022-02-14_N	2022-02-09	552	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_DCDS LC DCDS	LC_DCDS_WS_2022-02-14_N LC_DCDS_WS_2022-02-21_N	2022-02-15 2022-02-22	598 551	< 0.0060 < 0.0060	0.0014 0.0014	0.00022 0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020	2E-04 2E-04	< 0.00100 < 0.00100	< 0.020 < 0.020	_	
LC DCDS	LC DCDS WS 2022-02-21 N	2022-02-22	568	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_DCDS	LC_DCDS_WS_2022-03-07_N	2022-03-08	527	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_DCDS	LC_DCDS_WS_2022-03-14_N	2022-03-15	552	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	< 0.000100)
LC_DCDS	LC_DCDS_WS_2022-03-21_N	2022-03-23	541	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_DCDS	LC_DCDS_WS_2022-03-28_N	2022-03-30	605	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_DCDS LC DCDS	LC_DCDS_WS_Q2-2022_N LC_DCDS_WS_2022-04-11_N	2022-04-06 2022-04-12	143 301	< 0.0060 < 0.0060	0.0014 0.0014	0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020	2E-04 2E-04	< 0.00100 < 0.00100	< 0.020 < 0.020	_	
LC_DCDS	LC DCDS_W3_2022-04-11_N LC DCDS WS 2022-04-18 N	2022-04-12	263	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC DCDS	LC DCDS WS 2022-04-25 N	2022-04-17	324	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_DCDS	LC_DCDS_MNT_2022-05-03_N	2022-05-03	306	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_DCDS	LC_DCDS_WS_2022-05-09_N	2022-05-11	268	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	< 0.000100)
LC_DCDS	LC_CC3_WS_2022-05-16_N	2022-05-17	291	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_DCDS	LC_DCDS_WS_2022-05-23_N	2022-05-24	204	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_DCDS LC DCDS	LC_CC3_WS_2022-05-30_N LC_DCDS_MNT_2022-06-07_N	2022-05-31 2022-06-07	298 278	< 0.0060 < 0.0060	0.0014 0.0014	0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020	2E-04 2E-04	< 0.00100 < 0.00100	< 0.020 < 0.020	_	
LC DCDS	LC DCDS WS 2022-06-13 N	2022-06-07	296	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC DCDS	LC DCDS WS 2022-06-17 N	2022-06-17	326	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_DCDS	LC_DCDS_WS_2022-06-17_NP1	2022-06-17	-	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	< 0.000100)
LC_DCDS	LC_DCDS_WS_2022-06-19_N	2022-06-19	-	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_DCDS	LC_CC3_WS_2022-06-20_N	2022-06-21	-	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_DCDS LC DCDS	LC_DCDS_WS_2022-06-27_N LC_DCDS_WS_Q3-2022_N	2022-06-28 2022-07-07	234 278	< 0.0060 < 0.0060	0.0014 0.0014	0.00022 0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020	2E-04 2E-04	< 0.00100 < 0.00100	< 0.020 < 0.020	_	
LC_DCDS	LC CC3 WS 2022-07-11 N	2022-07-07	338	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_DCDS	LC_DCDS_WS_2022-07-18_N	2022-07-18	368	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_DCDS	LC_DCDS_WS_2022-07-25_N	2022-07-25	399	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_DCDS	LC_CC3_MNT_2022-08-02_N	2022-08-02	406	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_DCDS	LC_DCDS_WS_2022-08-08_N	2022-08-09			0.0014	0.00022			< 0.000100	0.03	< 0.0100	401	< 0.00020				< 0.000100	
LC_DCDS LC DCDS	LC_DCDS_WS_SESMP_2022-08_N LC_DCDS_WS_2022-08-22_N	2022-08-18 2022-08-23	469 509	< 0.0060 < 0.0060	0.0014 0.0014	0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020		< 0.00100 < 0.00100		< 0.000100 < 0.000100	
LC_DCDS	LC DCDS WS 2022-08-22 N LC DCDS WS 2022-08-29 N	2022-08-23	257	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_DCDS	LC DCDS MNT 2022-09-06 N	2022-09-06	261	< 0.0060	0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_DCDS	LC_DCDS_WS_2022-09-12_N	2022-09-13	566	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100		< 0.000100	
LC_DCDS	LC_DCDS_WS_2022-09-19_N	2022-09-20	557	< 0.0060	0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_DCDS	LC_DCDS_WS_2022-09-26_N	2022-09-27	559	< 0.0060	0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_DCDS LC DCDS	MORTALITY PKG 8 LC DCDS MORTALITY 2022-10-05 N	2022-10-04 2022-10-05	306		0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100 < 0.000100	
LC_DCDS LC_DCDS	LC_DCDS_MORTALITY_2022-10-05_N LC_DCDS_MORTALITY_2022-10-06_N	2022-10-05	570 585		0.0014 0.0014	0.00022	0.0522 0.0522	< 0.040 < 0.040		0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020		< 0.00100 < 0.00100		< 0.000100	
LC DCDS	LC DCDS MORTALITY 2022-10-00 N	2022-10-00	581	< 0.0060	0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_DCDS	LC_DCDS_WS_2022-10-10_N	2022-10-11	564	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_DCDS	LC_CC3_WS_2022-10-17_N	2022-10-18	606	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_DCDS	LC_DCDS_WS_2022-10-24_N	2022-10-25	625	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_DCDS	LC_SPDC_WS_2022-10-31_N	2022-11-01	621	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	< 0.000100)

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

										Total Metals							
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C C C C C C C C C C	BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015	a n/a n	/a n/a	n/a	n/a	0.0085	0.033-2 ^a	0.0075-2 ^a
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C. D.COS C. D.COS W3 2020 2014 N 2022 0015 58 0.192 315 0.00105 0.0098 8.80 396 4.000000 29.3 1 0.000000 4.00000 4.00000 4.00000 4.00000 4.00000 4.00000 4.00000 4.00000 4.00000 4.00000 4.00000 4.000000 4.000000 4.000000 4.000000 4.000000 4.000000 4.00000 4.000000 4.000000 4.000000 4.000000			2022-02-01 516	0.192	315												
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C						0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
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LC DCDS LC DCDS WS 2022-04-18 N 2022-04-17 203 0 11/2 315 0,00105 0,0989 6.88 396 < 0,000020 29.3 1 0,000026 < 0,00006 0.0003 < 0,00006 0 0.0000														_			
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LC DCDS LC DCDS WS 2022-06-19 N 2022-06-21 - 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060 LC DCDS WS 2022-06-27 N 2022-06-28 234 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060 LC DCDS LC DCDS WS 02-20-27 N 2022-06-28 234 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060 LC DCDS WS 02-20-27 N 2022-06-28 234 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060 LC DCDS WS 02-20-71 N 2022-07-27 8 193 195 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060 LC DCDS LC DCDS WS 2022-07-18 N 2022-07-18 380 192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00000 0.0203 < 0.0060 LC DCDS WS 2022-07-18 N 2022-07-18 380 192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00000 0.00000 0.0203 < 0.0060 LC DCDS WS 2022-07-25 N 2022-07-25 N 2022-07-25 399 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00000 0.00000 0.0203 < 0.0060 LC DCDS LC DCDS WS 2022-07-25 N 2022-07-25 399 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00000 0.0203 < 0.0060 LC DCDS LC DCDS WS 2022-08-20 WS 2022-08-20 406 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00000 0.0203 < 0.0060 LC DCDS LC DCDS WS 2022-08-80 N 2022-08-20 468 0.192 315 0.00105 0.0889 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00000 0.0203 < 0.0060 LC DCDS LC DCDS WS 2022-08-80 N 2022-08-20 419 0.192 315 0.00105 0.0889 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00000 0.0020 < 0.0060 LC DCDS LC DCDS WS 2022-08-20 N 2022-08-18 489 0.192 315 0.00105 0.0889 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00000		LC_DCDS_WS_2022-06-17_N		0.192	315	0.00105	0.0989	6.88	396	< 0.000020		1 0.000026		< 0.00060	0.0203		
LC DCDS																	
LC DCDS				_										_			
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LC DCDS																	
LC_DCDS	LC_DCDS		2022-07-12 338	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC DCDS LC DCDS WS 2022-08-08 N 2022-08-09 419 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060 LC DCDS WS 2022-08-08 N 2022-08-09 419 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060 LC DCDS WS ESBMP 2022-08 N 2022-08-18 469 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060 LC DCDS WS 2022-08-22 N 2022-08-23 509 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060 LC DCDS WS 2022-08-29 N 2022-08-32 509 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060 LC DCDS WS 2022-08-29 N 2022-08-30 S7 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060 LC DCDS WS 2022-09-12 N 2022-09-06 261 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060 LC DCDS WS 2022-09-12 N 2022-09-13 566 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060 LC DCDS WS 2022-09-12 N 2022-09-13 566 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060 LC DCDS WS 2022-09-19 N 2022-09-20 557 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00000 < 0.00000 0.0203 < 0.0060 LC DCDS WS 2022-09-26 N 2022-09-27 559 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00000 0.0000 0.0203 < 0.0060 LC DCDS LC DCDS WS 2022-09-26 N 2022-09-27 559 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00000 0.0203 < 0.0060 LC DCDS LC DCDS MORTALITY 2022-10-05 N 2022-09-557 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00000 0.0203 < 0.0060 LC DCDS LC DCDS MORTALITY 2022-10-06 N 2022-10-05 570 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00000 0.0203 < 0.0060 LC DCDS LC DCDS WS 2022-10-10 N 2022-10-05 570 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.0																	
LC DCDS LC DCDS WS 2022-08-08 N 2022-08-09 419 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.000020 < 0.000060 0.0203 < 0.0060 LC DCDS WS 2022-08-22 N 2022-08-18 469 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.000020 < 0.00060 0.0203 < 0.0060 LC DCDS WS 2022-08-22 N 2022-08-23 509 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.000020 < 0.00060 0.0203 < 0.0060 LC DCDS WS 2022-08-29 N 2022-08-29 N 2022-08-30 257 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.000020 < 0.00060 0.0203 < 0.0060 0 LC DCDS MS 2022-09-10 N 2022-09-06 261 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.000020 < 0.00060 0.0203 < 0.0060 0 LC DCDS WS 2022-09-12 N 2022-09-13 566 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.000020 < 0.00060 0.0203 < 0.0060 0 LC DCDS WS 2022-09-12 N 2022-09-13 566 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.000020 < 0.00060 0.0203 < 0.0060 0 LC DCDS WS 2022-09-19 N 2022-09-20 557 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.000020 < 0.00060 0.0203 < 0.0060 0 LC DCDS WS 2022-09-19 N 2022-09-20 557 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.000020 < 0.00060 0.0203 < 0.0060 0 LC DCDS WS 2022-09-19 N 2022-09-27 559 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.000020 < 0.00060 0.0203 < 0.0060 0 LC DCDS MORTALITY PRG 8 2022-10-04 306 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.000020 < 0.00060 0.0203 < 0.0060 0 LC DCDS MORTALITY 2022-10-05 N 2022-10-05 585 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.000020 < 0.00060 0.0203 < 0.0060 0 LC DCDS MORTALITY 2022-10-06 N 2022-10-06 585 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.000026 < 0.000020 < 0.00060 0.0203 < 0.0060 0 LC DCDS MCRALITY 2022-10-07 N 2022-10-07 S81 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.000026 < 0.000020 < 0.00060 0.0203 < 0.0060 0 LC DCDS WS 202																	
LC DCDS LC DCDS WS 2022-08-22 N 2022-08-23 469 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060																	
LC_DCDS																	
LC_DCDS LC_DCDS_WS_2022-08-29_N 2022-08-30 257 0.192 315 0.00105 0.0989 6.88 396 <0.000020 29.3 1 0.000026 <0.00020 <0.00060 0.0203 <0.0060																	
LC_DCDS LC_DCDS_WS_2022-09-12_N 2022-09-13 566 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.00060 0.0203 < 0.0060 0.0203 < 0.0060 0.0203 < 0.0060 0.0203 < 0.0060 0.0060	LC_DCDS	LC_DCDS_WS_2022-08-29_N	2022-08-30 257	0.192	315	0.00105					29.3	1 0.000026	< 0.00020	< 0.00060			
LC_DCDS LC_DCDS_WS_2022-09-19_N 2022-09-20 557 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.000026 < 0.00020 < 0.0060 0.0203 < 0.0060 LC_DCDS LC_DCDS_WS_2022-09-26_N 2022-10-04 306 0.192 315 0.00105 0.0989 6.88 396 < 0.000020														_			
LC_DCDS																	
LC_DCDS MORTALITY PKG 8 2022-10-04 306 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.00026 < 0.00020 < 0.0060 0.0203 < 0.0060 LC_DCDS LC_DCDS_MORTALITY_2022-10-05 N 2022-10-05 570 0.192 315 0.00105 0.0989 6.88 396 < 0.000020																	
LC_DCDS LC_DCDS_MORTALITY_2022-10-05_N 2022-10-05_S 570_0.192_315_0.00105 0.0989_6.88_396_ 396_0.000020 29.3_1																	-
LC_DCDS LC_DCDS_MORTALITY_2022-10-07 N 2022-10-07 S81 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.00026 < 0.00020 < 0.00060 0.0203 < 0.0060 0.0203 < 0.0060 LC_DCDS LC_DCDS_WS_2022-10-10_N 2022-10-11 564 0.192 315 0.00105 0.0989 6.88 396 < 0.00020	LC_DCDS	LC_DCDS_MORTALITY_2022-10-05_N	2022-10-05 570	0.192	315	0.00105			396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060		< 0.0060	
LC_DCDS LC_DCDS_WS_2022-10-10_N 2022-10-11 564 0.192 315 0.00105 0.0989 6.88 396 < 0.000020 29.3 1 0.00026 < 0.00020 < 0.00060 0.0203 < 0.0060 LC_DCDS LC_CC3_WS_2022-10-17_N 2022-10-18 606 0.192 315 0.00105 0.0989 6.88 396 < 0.000020																	
LC_DCDS LC_CC3_WS_2022-10-17_N 2022-10-18_606_0.192_315_0.00105 0.0989_6.88_396_ 6.88_396_ < 0.000020 29.3_1_1_0.00026 < 0.00020_ < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.00020 < 0.000020 < 0.00020 < 0.00020 <																	
LC_DCDS	_																
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< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals							
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			due	ä	<u>Ĕ</u>	eni	<u></u>	₹	i i	e e	dmium	Calcium		obalt	eddo;	_		<u> </u>
Sample	Sample	Sample Date	ar a	Alu	₽	Ars	Bar	Ber	NS NS	Bor	Cao	g	Ę.	5	ğ	5	1	Lead
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg	/L	m	g/L
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						ď	ပ်	5								¥	¥	<u>წ</u>
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a	^a 3.3-3.5 ^a
Line Creek Operation LC DCDS	LC CC3 WS 2022-10-31 N	2022-11-01	610	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	0.000100	
LC_DCDS	LC DCDS MNT 2022-11-08 N	2022-11-01	589	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04 2E-04	< 0.00100	< 0.020		
LC DCDS	LC DCDS WS 2022-11-14 N	2022-11-15	610	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_DCDS	LC_DCDS_WS_2022-11-21_N	2022-11-22	674	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	< 0.000100	0
LC_LC12	LC_LC12_MNT_2022-05-03_N	2022-05-02	658	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_LC12	LC_LC12_WS_2022-05-09_N	2022-05-09	504	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_LC12 LC LC12	LC_LC12_WS_2022-05-16_N LC_LC12_WS_2022-05-23_N	2022-05-18 2022-05-24		< 0.0060 < 0.0060	0.0014 0.0014	0.00022 0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020	2E-04 2E-04	< 0.00100 < 0.00100	< 0.020 < 0.020		
LC LC12	LC LC12 WS 2022-05-25 N	2022-05-30	<u>-</u>	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_LC12	LC_LC12_MNT_2022-06-07_N	2022-06-06	-	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_LC12	LC_LC12_WS_2022-06-13_N	2022-06-13	284	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_LC12	LC_LC12_WS_2022-06-20_N	2022-06-20	-	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_LC12 LC LC12	LC_LC12_WS_2022-06-27_N LC_LC12_WS_Q3-2022_N	2022-06-27 2022-07-05	-	< 0.0060 < 0.0060	0.0014 0.0014	0.00022 0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020	2E-04 2E-04	< 0.00100 < 0.00100	< 0.020 < 0.020		
LC_LC12	LC LC12 WS 2022-07-11 N	2022-07-03	266	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC LCDSSLCC	LC LCDSSLCC WS Q1-2022 N	2022-01-04	-	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC LCDSSLCC	LC_LCDSSLCC_WS_2022-01-10_N	2022-01-10	536	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-01-17_N	2022-01-17	527	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020		< 0.00100	< 0.020	_	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-01-24_N	2022-01-25	536	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	_	
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2021-01-31_N LC_LCDSSLCC_MNT_2021-02-08_N	2022-02-01 2022-02-08	552 572	< 0.0060 < 0.0060	0.0014 0.0014	0.00022 0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020	2E-04 2E-04	< 0.00100 < 0.00100	< 0.020 < 0.020		
LC LCDSSLCC	LC LCDSSLCC WS 2021-02-14 N	2022-02-00	554	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_LCDSSLCC	LC_LCDSSLCC_WC_2022-02-18_N	2022-02-18	562	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-02-21_N	2022-02-22	613	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_LCDSSLCC	LC_CC1_WS_2022-02-28_N	2022-03-01	632	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-02-28_N LC_LCDSSLCC_MNT_2021-03-07_N	2022-03-01 2022-03-08	627	< 0.0060 < 0.0060	0.0014 0.0014	0.00022 0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020	2E-04 2E-04	< 0.00100 < 0.00100	< 0.020 < 0.020		
LC_LCDSSLCC LC LCDSSLCC	LC LCDSSLCC WN 2022-03-14 N	2022-03-08	577	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC LCDSSLCC	LC LCDSSLCC WS 2022-03-21 N	2022-03-22	569	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-03-28_N	2022-03-28	588	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	< 0.000100)
LC_LCDSSLCC	LC_LCDSSLCC_WS_Q2-2022_N	2022-04-07	666	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-04-11_N LC_LCDSSLCC_WS_2022-04-18_N	2022-04-11	566 589	< 0.0060 < 0.0060	0.0014 0.0014	0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020	2E-04 2E-04	< 0.00100 < 0.00100	< 0.020		
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-04-18_N LC_LCDSSLCC_WS_2022-04-25_N	2022-04-19 2022-04-25	589	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04 2E-04	< 0.00100	< 0.020		
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-04-23_N LC_LCDSSLCC_MNT_2022-05-03_N	2022-04-23			0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		0.000100	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-05-09_N	2022-05-09			0.0014	0.00022	0.0522		< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04			< 0.000100	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-05-16_N	2022-05-17	341		0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-05-23_N	2022-05-24	368	< 0.0060	0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_LCDSSLCC LC LCDSSLCC	LC LCDSSLCC WS 2022-05-30 N LC LCDSSLCC MNT 2022-06-07 N	2022-05-31 2022-06-06	387 271		0.0014 0.0014	0.00022 0.00022	0.0522 0.0522	< 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020		< 0.00100 < 0.00100		< 0.000100< 0.000100	
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_MN1_2022-06-07_N LC_LCDSSLCC_WS_2022-06-13_N	2022-06-06	236		0.0014	0.00022	0.0522		< 0.000100	0.03	< 0.0100	401	< 0.00020		< 0.00100		0.000100	
LC_LCDSSLCC	LC LCUSWLC WS 2022-06-13 N	2022-06-22			0.0014	0.00022	0.0522		< 0.000100	0.03	< 0.0100	401	< 0.00020		< 0.00100		0.000100	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-06-27_N	2022-06-27	265	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	< 0.000100	0
LC_LCDSSLCC	LC_LCDSSLCC_WS_Q3-2022_N		252	< 0.0060	0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_LCDSSLCC LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-07-11_N	2022-07-11	239	< 0.0060	0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-07-18_N LC_LCDSSLCC_WS_2022-07-25_N	2022-07-19 2022-07-26	280 330	< 0.0060 < 0.0060	0.0014 0.0014	0.00022 0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020		< 0.00100 < 0.00100		< 0.000100< 0.000100	
LC LCDSSLCC	LC LCDSSLCC WS 2022-07-23 N	2022-07-20	374	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020		< 0.00100		0.000100	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-08-08_N	2022-08-09	393	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020		< 0.00100		0.000100	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-08-15_N	2022-08-16	424	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	< 0.000100	ე <u> </u>

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

									Total Metals								
									Total metals								
Sample	Sample	Sample Date	Lithium	Magnesium	Manganese	Nickel*	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Ē	Titanium	Uranium*		Zinc
Location	ID	(mm/dd/yyyy) mg/L	mg/L		mg/L	mg/L	mg/L	μg/L	mg/L	_	mg/L	mg/L	mg/L	mg/L	mg/L		ng/L
					Acute Chronic	Chronic		Chronic	Acute						Chronic	Acute	Chronic
BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a 0.00005-0.0015 ^a	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a	0.0075-2 ^a
Line Creek Operation	LC CC3 WS 2022-10-31 N	2022-11-01 610	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_DCDS LC DCDS	LC DCDS MNT 2022-10-31_N LC DCDS MNT 2022-11-08 N	2022-11-01 610			0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC DCDS	LC DCDS WS 2022-11-14 N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC DCDS	LC DCDS WS 2022-11-21 N	2022-11-22 674			0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LC12	LC_LC12_MNT_2022-05-03_N	2022-05-02 658	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LC12	LC_LC12_WS_2022-05-09_N	2022-05-09 504	0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LC12	LC_LC12_WS_2022-05-16_N	2022-05-18 -	0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LC12	LC_LC12_WS_2022-05-23_N	2022-05-24 -	0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LC12 LC LC12	LC_LC12_WS_2022-05-30_N LC_LC12_MNT_2022-06-07_N	2022-05-30 - 2022-06-06 -	0.192	_	0.00105 0.00105	0.0989 0.0989	6.88	396 396	< 0.000020 < 0.000020	29.3	_	0.000026 0.000026	< 0.00020 < 0.00020	< 0.00060 < 0.00060	0.0203 0.0203	< 0.0060 < 0.0060	
LC_LC12	LC LC12 WS 2022-06-07 N	2022-06-13 284			0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC LC12	LC LC12 WS 2022-06-20 N	2022-06-20 -	0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC LC12	LC LC12 WS 2022-06-27 N	2022-06-27 -	0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC LC12	LC LC12 WS Q3-2022 N	2022-07-05 -	0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LC12	LC_LC12_WS_2022-07-11_N	2022-07-13 266	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_Q1-2022_N	2022-01-04 -	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-01-10_N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-01-17_N	2022-01-17 527			0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-01-24_N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2021-01-31_N LC_LCDSSLCC_MNT_2021-02-08_N	2022-02-01 552 2022-02-08 572	0.192		0.00105 0.00105	0.0989 0.0989	6.88	396 396	< 0.000020 < 0.000020	29.3		0.000026 0.000026	< 0.00020 < 0.00020	< 0.00060 < 0.00060	0.0203 0.0203	< 0.0060 < 0.0060	
LC_LCDSSLCC LC LCDSSLCC	LC LCDSSLCC WIN1 2021-02-06 N	2022-02-06 572			0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC LCDSSLCC	LC LCDSSLCC WC 2022-02-18 N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC LCDSSLCC	LC LCDSSLCC WS 2022-02-21 N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_CC1_WS_2022-02-28_N	2022-03-01 632			0.00105	0.0989	6.88	396	< 0.000020	29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-02-28_N	2022-03-01 627	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_MNT_2021-03-07_N	2022-03-08 -	0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-03-14_N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-03-21_N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-03-28_N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	_	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_Q2-2022_N LC_LCDSSLCC_WS_2022-04-11_N	2022-04-07 666 2022-04-11 566			0.00105 0.00105	0.0989 0.0989	6.88	396 396	< 0.000020 < 0.000020	29.3		0.000026 0.000026	< 0.00020 < 0.00020	< 0.00060 < 0.00060	0.0203 0.0203	< 0.0060 < 0.0060	
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-04-11_N LC_LCDSSLCC_WS_2022-04-18_N	2022-04-11 589	0.192	_	0.00105	0.0989	6.88	396	< 0.000020	29.3	_	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC LCDSSLCC	LC LCDSSLCC WS 2022-04-16 N	2022-04-19 503	0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC LCDSSLCC	LC LCDSSLCC MNT 2022-05-03 N	2022-05-04 528		_		0.0989	6.88	396	< 0.000020	29.3		0.000026		< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-05-09_N	2022-05-09 465	0.192	315		0.0989	6.88	396	< 0.000020	29.3		0.000026		< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-05-16_N		0.192			0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020		0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-05-23_N		0.192			0.0989	6.88	396	< 0.000020	29.3		0.000026		< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-05-30_N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020		0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_MNT_2022-06-07_N		0.192			0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020		0.0203	< 0.0060	
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-06-13_N LC_LCUSWLC_WS_2022-06-20_N		0.192			0.0989 0.0989	6.88	396 396	< 0.000020 < 0.000020	29.3		0.000026 0.000026	< 0.00020 < 0.00020		0.0203 0.0203	< 0.0060 < 0.0060	
LC LCDSSLCC	LC LCDSSLCC WS 2022-06-27 N		0.192			0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020	_	0.0203	< 0.0060	
LC LCDSSLCC	LC LCDSSLCC WS Q3-2022 N	2022-07-05 252				0.0989	6.88	396	< 0.000020	29.3		0.000026		< 0.00060	0.0203	< 0.0060	
LC LCDSSLCC	LC LCDSSLCC WS 2022-07-11 N		0.192			0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020		0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-07-18_N	2022-07-19 280				0.0989	6.88	396	< 0.000020	29.3		0.000026		< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-07-25_N	2022-07-26 330	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1	0.000026	< 0.00020		0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_MNT_2022-08-02_N		0.192			0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020		0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-08-08_N		0.192			0.0989	6.88	396	< 0.000020	29.3		0.000026	< 0.00020		0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-08-15_N	2022-08-16 424	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals							
											Total Metals							
			SS		à		*	ryllium*	_		Ε	_	E E					
			ne	Ē	Ē	ji.	Ë		Į į	5] E	<u> </u>	romium	obalt	per		,	_
Sample	Sample	Sample Date	arc	Alun	i i i	rse	Bari	Bery	isn	Borc	Cadı	Calcium	Chr	Cob	Coppe	uo.		Lead
Sample Location	Sample ID	Sample Date (mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg.	<u>=</u> L	_	g/L
	<u>.</u>	(<u>g</u>	g.=	g/_		. <u></u>		9/=		g/ =		g/ =		9			್ತ
						cute	5	ronic		Chronic				Acute Chronic		cute	ute	Chron
						Ac	Chro	ch		ပ်				Ac Ch		Aci	Acı	ပ
BC WQG FWAL			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a	3.3-3.5 ^a
Line Creek Operation					T			1						T				
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-08-22_N	2022-08-23	438	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_LCDSSLCC LC LCDSSLCC	LC_CC1_WS_2022-08-22_N LC LCDSSLCC WS 2022-08-29 N	2022-08-23 2022-08-30	456	< 0.0060 < 0.0060	0.0014 0.0014	0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020	2E-04 2E-04	< 0.00100 < 0.00100	< 0.020 < 0.020	_	
LC LCDSSLCC	LC LCDSSLCC MNT 2022-09-06 N	2022-09-06	425	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-09-12_N	2022-09-13	479	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-09-19_N	2022-09-19	469	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_LCDSSLCC	LC_CC1_WS_2022-09-19_N	2022-09-19	- 470	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-09-26_N LC_CC2_WS_Q4-2022_N	2022-09-29 2022-10-03	470 474	< 0.0060 < 0.0060	0.0014 0.0014	0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020	2E-04 2E-04	< 0.00100 < 0.00100	< 0.020 < 0.020		
LC_LCDSSLCC LC LCDSSLCC	LC_CC2_W3_Q4-2022_N LC_LCDSSLCC_WS_2022-10-10_N	2022-10-03	472	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_LCDSSLCC	LC_CC1_WS_2022-10-10_N	2022-10-11	-	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-10-17_N	2022-10-18	486	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-10-24_N	2022-10-25	465	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_WS_2022-10-31_N LC_LCDSSLCC_MNT_2022-11-08_N	2022-11-01 2022-11-08	510 556	< 0.0060 < 0.0060	0.0014 0.0014	0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020	2E-04 2E-04	< 0.00100 < 0.00100	< 0.020 < 0.020	_	
LC_LCDSSLCC LC LCDSSLCC	LC LCDSSLCC WS 2022-11-06 N	2022-11-08	522	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_LCDSSLCC	LC LCDSSLCC WS 2022-11-21 N	2022-11-21	534	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_LCDSSLCC	LC_CC1_WS_2022-11-21_N	2022-11-21	-	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-11-28_N	2022-11-28	508	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_LCDSSLCC LC LCDSSLCC	LC_LCDSSLCC_MNT_2022-12-05_N LC_LCDSSLCC_WS_2022-12-12_N	2022-12-05 2022-12-12	563 518	< 0.0060 < 0.0060	0.0014 0.0014	0.00022 0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020	2E-04 2E-04	< 0.00100 < 0.00100	< 0.020 < 0.020		
LC LCDSSLCC	LC CC1 WS 2022-12-19 N	2022-12-12	561	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	_	
LC_LCDSSLCC	LC LCDSSLCC WS 2022-12-19 N	2022-12-19	544	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-12-26_N	2022-12-28	-	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_WLC	LC_WLC_WS_Q1-2022_N	2022-01-04	569	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_WLC LC WLC	LC_WLC_WS_2022-01-10_N LC_MT1_WS_2022-01-17_N	2022-01-10 2022-01-17	1510 1420	< 0.0060 < 0.0060	0.0014 0.0014	0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020	2E-04 2E-04	< 0.00100 < 0.00100	< 0.020 < 0.020		
LC_WLC	LC CC1 WS 2022-01-17 N	2022-01-17	< 0.50		0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020		
LC_WLC	LC_WLC_WS_2022-01-24_N	2022-01-25	1440	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_WLC	LC_WLC_WS_2022-01-31_N	2022-01-31	1440	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_WLC	LC_MT2_MNT_2021-02-08_N	2022-02-08	1590	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_WLC LC WLC	LC_CC1_WS_2022-02-14_N LC_MT1_WS_2022-02-21_N	2022-02-14 2022-02-23	< 0.50 1465	< 0.0060 < 0.0060	0.0014 0.0014	0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020	2E-04 2E-04	< 0.00100 < 0.00100	< 0.020 < 0.020		
LC WLC	LC WLC WS 2022-02-21 N	2022-02-23	< 0.50	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	_	
LC_WLC	LC_MT1_MNT_2021-03-07_N	2022-03-08	1		0.0014	0.00022			< 0.000100	0.03	< 0.0100	401	< 0.00020	-			< 0.000100	
LC_WLC	LC_WLC_WS_2022-03-14_N		< 0.50		0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_WLC	LC_WLC_WS_2022-03-21_N		1410		0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_WLC LC WLC	LC_WLC_WS_2022-03-28_N LC_WLC_WS_Q2-2022_N		1560 1520		0.0014 0.0014	0.00022 0.00022	0.0522 0.0522	< 0.040 < 0.040	< 0.000100 < 0.000100	0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020		< 0.00100 < 0.00100		< 0.000100 < 0.000100	
LC WLC	LC WLC WS 2022-04-11 N		1560		0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_WLC	LC_CC1_WS_2022-04-18_N		1490		0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_WLC	LC_CC1_WS_2022-04-25_N		1480		0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_WLC	LC_WLC_MNT_2022-05-03_N		1470		0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_WLC LC WLC	LC_WLC_WS_2022-05-09_N LC_WLC_WS_2022-05-16_N		1430	< 0.0060 < 0.0060	0.0014 0.0014	0.00022	0.0522 0.0522	< 0.040 < 0.040		0.03	< 0.0100 < 0.0100	401 401	< 0.00020 < 0.00020		< 0.00100 < 0.00100		< 0.000100 < 0.000100	
LC_WLC	LC WLC WS 2022-05-16 N		1360		0.0014	0.00022	0.0522	< 0.040		0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_WLC	LC_MT1_WS_2022-05-30_N	2022-05-30	1320		0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_WLC	LC_MT2_MNT_2022-06-07_N	2022-06-06	< 0.50	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	< 0.000100)
LC_WLC	LC_CC1_WS_2022-06-13_N		< 0.50		0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020		< 0.00100		< 0.000100	
LC_WLC	LC_WLC_WS_2022-06-20_N	2022-06-22	703	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	< 0.000100	<u> </u>

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

									Total Metals							
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Sample	Sample ID	Sample Date 🖺	<u> </u>	Σ	≥	Z	<u>ā</u>	<u> </u>				<u> </u>				N T
Location	U	(mm/dd/yyyy) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	mg/L	mg/L n	ıg/L mg/L	mg/L	mg/L	mg/L	m	ıg/L
					onic fe	ji C		onic	ronic					Chronic	<u>e</u>	ĕ
					Acute	ri.		Chrc	Acui Chre					ř	cute	Chr
DC MOC FMAI		-1-	/-	/	`	0.025-0.15 ^a	1		0.0001-0.003 ^a 0.00005-0.0015	a/-	-11-				0 000 0a	
BC WQG FWAL Line Creek Operation		n/a	n/a	n/a	0.001-0.03 ^a 0.0009-0.01 ^a	0.025-0.15	n/a	2	0.0001-0.003 0.00005-0.0015	a n/a	n/a n/a	n/a	n/a	0.0085	0.033-2 ^a	0.0075-2 ^a
LC LCDSSLCC	LC LCDSSLCC WS 2022-08-22 N	2022-08-23 438	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC LCDSSLCC	LC CC1 WS 2022-08-22 N	2022-08-23 -	0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026		< 0.00060	0.0203	< 0.0060	-
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-08-29_N	2022-08-30 456	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_MNT_2022-09-06_N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026			0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-09-12_N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-09-19_N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026		< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC LC LCDSSLCC	LC_CC1_WS_2022-09-19_N LC_LCDSSLCC_WS_2022-09-26_N	2022-09-19 - 2022-09-29 470	0.192		0.00105 0.00105	0.0989 0.0989	6.88 6.88	396 396	< 0.000020 < 0.000020	29.3	1 0.000026 1 0.000026	< 0.00020 < 0.00020	< 0.00060 < 0.00060	0.0203 0.0203	< 0.0060 < 0.0060	
LC_LCDSSLCC LC LCDSSLCC	LC CC2 WS Q4-2022 N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026		< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC LC LCDSSLCC	LC LCDSSLCC WS 2022-10-10 N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026		< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_CC1_WS_2022-10-10_N	2022-10-11 -	0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-10-17_N	2022-10-18 486	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-10-24_N	2022-10-25 465	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-10-31_N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026		< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_MNT_2022-11-08_N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026		< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-11-14_N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026		< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC LC_LCDSSLCC	LC LCDSSLCC WS 2022-11-21 N LC CC1 WS 2022-11-21 N	2022-11-21 534 2022-11-21 -	0.192		0.00105 0.00105	0.0989 0.0989	6.88 6.88	396 396	< 0.000020 < 0.000020	29.3	1 0.000026 1 0.000026		< 0.00060 < 0.00060	0.0203 0.0203	< 0.0060 < 0.0060	
LC_LCDSSLCC LC LCDSSLCC	LC LCDSSLCC WS 2022-11-21 N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026		< 0.00060	0.0203	< 0.0060	
LC LCDSSLCC	LC LCDSSLCC MNT 2022-12-05 N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026		< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC LCDSSLCC WS 2022-12-12 N		0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	-
LC_LCDSSLCC	LC_CC1_WS_2022-12-19_N	2022-12-19 561	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-12-19_N	2022-12-19 544	0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_LCDSSLCC	LC_LCDSSLCC_WS_2022-12-26_N	2022-12-28 -	0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026		< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_Q1-2022_N	2022-01-04 569	0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026		< 0.00060	0.0203	< 0.0060	
LC_WLC LC WLC	LC_WLC_WS_2022-01-10_N LC_MT1_WS_2022-01-17_N		0.192	315 315	0.00105 0.00105	0.0989 0.0989	6.88 6.88	396 396	< 0.000020 < 0.000020	29.3	1 0.000026 1 0.000026	< 0.00020 < 0.00020	< 0.00060 < 0.00060	0.0203 0.0203	< 0.0060 < 0.0060	
LC_WLC	LC CC1 WS 2022-01-17 N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026		< 0.00060	0.0203	< 0.0060	-
LC WLC	LC WLC WS 2022-01-17 N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026		< 0.00060	0.0203	< 0.0060	
LC WLC	LC WLC WS 2022-01-31 N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026		< 0.00060	0.0203	< 0.0060	-
LC_WLC	LC_MT2_MNT_2021-02-08_N	2022-02-08 1590	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_CC1_WS_2022-02-14_N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_MT1_WS_2022-02-21_N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_2022-02-28_N		0.192		0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026		< 0.00060	0.0203	< 0.0060	
LC_WLC LC WLC	LC_MT1_MNT_2021-03-07_N LC_WLC_WS_2022-03-14_N	2022-03-08 1620 2022-03-14 < 0.50				0.0989 0.0989	6.88 6.88	396 396	< 0.000020 < 0.000020	29.3 29.3		< 0.00020	< 0.00060	0.0203 0.0203	< 0.0060 < 0.0060	
LC_WLC	LC WLC WS 2022-03-14 N	2022-03-14 < 0.30				0.0989	6.88	396	< 0.000020	29.3			< 0.00060	0.0203	< 0.0060	
LC WLC	LC WLC WS 2022-03-28 N			315		0.0989	6.88	396	< 0.000020	29.3				0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_Q2-2022_N	2022-04-05 1520				0.0989	6.88	396	< 0.000020	29.3			< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_2022-04-11_N			315		0.0989	6.88	396	< 0.000020	29.3		< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_CC1_WS_2022-04-18_N	2022-04-18 1490				0.0989	6.88	396	< 0.000020	29.3				0.0203	< 0.0060	
LC_WLC	LC_CC1_WS_2022-04-25_N	2022-04-25 1480				0.0989	6.88	396	< 0.000020	29.3			< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_MNT_2022-05-03_N	2022-05-03 1470 2022-05-09 1430				0.0989	6.88	396	< 0.000020	29.3			< 0.00060	0.0203	< 0.0060	
LC_WLC LC WLC	LC_WLC_WS_2022-05-09_N LC_WLC_WS_2022-05-16_N	2022-05-09 1430		315		0.0989 0.0989	6.88 6.88	396 396	< 0.000020 < 0.000020	29.3				0.0203 0.0203	< 0.0060 < 0.0060	
LC_WLC	LC WLC WS 2022-05-16 N			315		0.0989	6.88	396	< 0.000020	29.3				0.0203	< 0.0060	
LC WLC	LC MT1 WS 2022-05-25 N			315		0.0989	6.88	396	< 0.000020	29.3			_	0.0203	< 0.0060	
LC_WLC	LC_MT2_MNT_2022-06-07_N			315		0.0989	6.88	396	< 0.000020	29.3				0.0203	< 0.0060	
LC_WLC	LC_CC1_WS_2022-06-13_N	2022-06-13 < 0.50	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3			< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_2022-06-20_N	2022-06-22 703	0.192	315	0.00105	0.0989	6.88	396	< 0.000020	29.3	1 0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	

< Denotes concentration less than indicated detection limit

⁻ Denotes analysis not conducted n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

			[Total Metals							
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Sample	Sample	Sample Date	Ŧ	Αľ	Α̈́	Ars	Bal	Be	Bis	B	Ča	Ca	ទី	ပိ	ဒိ	<u>2</u>	Le	
Location	ID	(mm/dd/yyyy)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/	L	mg/	/L
						Φ	這	nic		nic				a nic		Φ.	Φ	nic
						cut	рго	hro		5 S				Acut		cut	Ğ	hro
DO WOO FWA			-,			_	<u> </u>	O	,	Ö			,			_ ∢	⋖	O Table
BC WQG FWAL Line Creek Operation			n/a	n/a	n/a	0.005	1	0.00013	n/a	1.2	n/a	n/a	n/a	0.11 0.004	n/a	1	0.003-5.5 ^a	3.3-3.5 ^a
LC WLC	LC WLC WS 2022-06-27 N	2022-06-27	672	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	< 0.000100	
LC WLC	LC WLC WS Q3-2022 N	2022-07-05	744	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_CC1_WS_2022-07-11_N	2022-07-11	824	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_WLC_WS_2022-07-18_N	2022-07-19	938	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_MT1_WS_2022-07-25_N	2022-07-26	1020	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_WLC_MNT_2022-08-02_N		< 0.50	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_WLC_WS_2022-08-08_N		1110	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_MT1_WS_2022-08-15_N	2022-08-15	1250	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_WLC_WS_2022-08-22_N		< 0.50	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_WLC_WS_2022-08-29_N	2022-08-29	1260	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_WLC_MNT_2022-09-06_N		1460	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_WLC_WS_2022-09-12_N		1320	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_WLC_WS_2022-09-19_N		1470	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_WLC_WS_2022-09-29_N		1470	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_WLC_WS_Q4-2022_N	2022-10-03	1530	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_WLC_WS_2022-10-10_N	2022-10-12	1560	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_WLC_WS_2022-10-17_N	2022-10-17	1620	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_CC1_WS_2022-10-24_N		1680	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_WLC_WS_2022-10-31_N		1164	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_WLC_MNT_2022-11-08_N	2022-11-07	1550	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_MT1_WS_2022-11-14_N		1540	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401		2E-04	< 0.00100	< 0.020	< 0.000100	
LC_WLC	LC_WLC_WS_2022-11-21_N	2022-11-21	< 0.50	< 0.0060	0.0014	0.00022	0.0522	< 0.040	< 0.000100	0.03	< 0.0100	401	< 0.00020	2E-04	< 0.00100	< 0.020	< 0.000100	

< Denotes concentration less than indicated detection limit

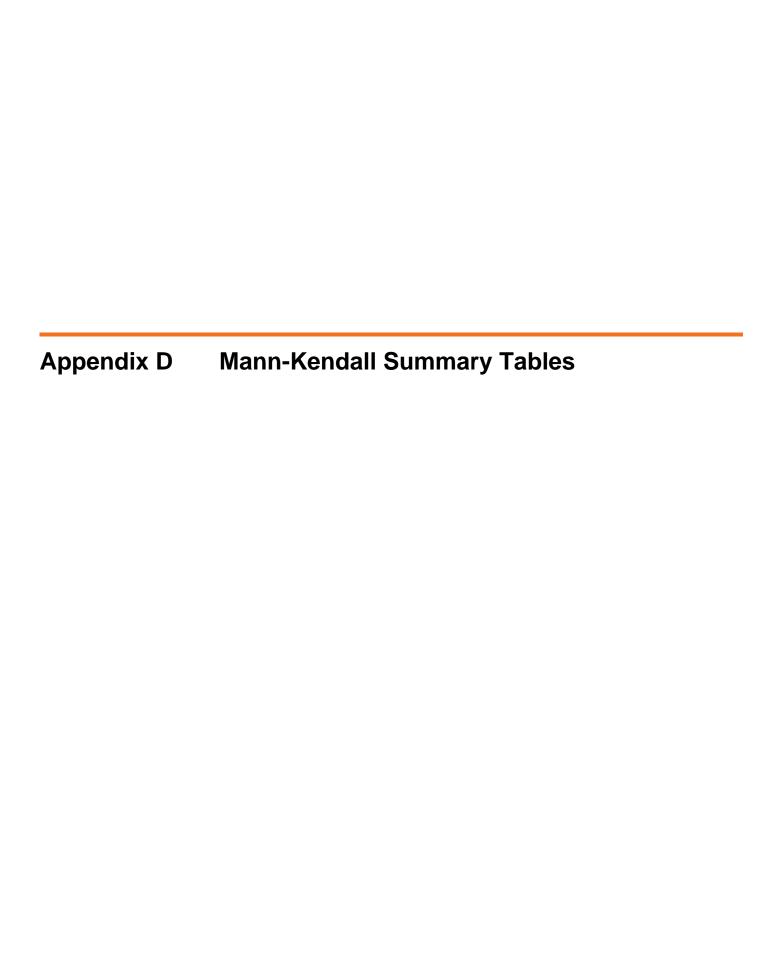
Denotes analysis not conducted
n/a denotes no applicable standard

APPENDIX C - TABLE 3: Summary of Analytical Results for Total Metals

											Total Metals								
																			-
Sample	Sample	Sample Date H	Lithium	Magnesium		Manganese	Nickel*	Potassium	Selenium		Silver	Sodium	Strontium	Thallium	Ē	Titanium	Uranium*		Zinc
Location	ID	(mm/dd/yyyy) mg/l	_ mg/L	mg/L	n	ng/L	mg/L	mg/L		I	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	n	ng/L
					Acute	Chronic	Chronic		Chronic	Acute	Chronic						Chronic	Acute	Chronic
BC WQG FWAL		n/a	n/a	n/a	0.001-0.03 ^a	0.0009-0.01 ^a	0.025-0.15 ^a	n/a	2	0.0001-0.003 ^a	0.00005-0.0015	n/a	n/a	n/a	n/a	n/a	0.0085	0.033-2 ^a	0.0075-2 ^a
Line Creek Operation																			
LC_WLC	LC_WLC_WS_2022-06-27_N		0.192		0.00105		0.0989	6.88	396	< 0.000020		29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_Q3-2022_N		0.192		0.00105		0.0989	6.88	396	< 0.000020		29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_CC1_WS_2022-07-11_N	2022-07-11 824		315	0.00105		0.0989	6.88	396	< 0.000020		29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_2022-07-18_N	2022-07-19 938			0.00105		0.0989	6.88	396	< 0.000020		29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_MT1_WS_2022-07-25_N		0.192		0.00105		0.0989	6.88	396	< 0.000020		29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_MNT_2022-08-02_N		0.192		0.00105		0.0989	6.88	396	< 0.000020		29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_2022-08-08_N		0.192		0.00105		0.0989	6.88	396	< 0.000020		29.3		0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_MT1_WS_2022-08-15_N	2022-08-15 1250	0.192	315	0.00105		0.0989	6.88	396	< 0.000020		29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_2022-08-22_N	2022-08-22 < 0.5	0.192	315	0.00105		0.0989	6.88	396	< 0.000020		29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_2022-08-29_N	2022-08-29 1260	0.192	315	0.00105		0.0989	6.88	396	< 0.000020		29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_MNT_2022-09-06_N	2022-09-06 1460	0.192	315	0.00105		0.0989	6.88	396	< 0.000020		29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_2022-09-12_N	2022-09-13 1320	0.192	315	0.00105		0.0989	6.88	396	< 0.000020		29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_2022-09-19_N	2022-09-19 1470	0.192	315	0.00105		0.0989	6.88	396	< 0.000020		29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_2022-09-29_N	2022-09-29 1470	0.192	315	0.00105		0.0989	6.88	396	< 0.000020		29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_Q4-2022_N	2022-10-03 1530	0.192	315	0.00105		0.0989	6.88	396	< 0.000020		29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_2022-10-10_N	2022-10-12 1560	0.192	315	0.00105		0.0989	6.88	396	< 0.000020		29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_2022-10-17_N	2022-10-17 1620	0.192	315	0.00105		0.0989	6.88	396	< 0.000020		29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_CC1_WS_2022-10-24_N	2022-10-24 1680	0.192	315	0.00105		0.0989	6.88	396	< 0.000020		29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_2022-10-31_N	2022-10-31 1164	0.192	315	0.00105		0.0989	6.88	396	< 0.000020		29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_MNT_2022-11-08_N	2022-11-07 1550	0.192	315	0.00105		0.0989	6.88	396	< 0.000020		29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_MT1_WS_2022-11-14_N	2022-11-14 1540	0.192	315	0.00105		0.0989	6.88	396	< 0.000020		29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	
LC_WLC	LC_WLC_WS_2022-11-21_N	2022-11-21 < 0.5	0.192	315	0.00105		0.0989	6.88	396	< 0.000020		29.3	1	0.000026	< 0.00020	< 0.00060	0.0203	< 0.0060	

< Denotes concentration less than indicated detection limit

Denotes analysis not conducted
 n/a denotes no applicable standard



Parameter	Dissolved Cadmium	Nitrate-N	Dissolved Selenium	Sulfate	Field pH	Dissolved Antimony	Dissolved Cobalt	Dissolved Nickel	Nitrite-N	Dissolved Uranium	TDS
Site ID											
FR_HENSEEP3	Stable	Stable	Decreasing	No Trend	No Trend	Stable	-	Decreasing	Stable	No Trend	Stable
FR_HENSSEEP1	-	Increasing	No Trend	Prob. Increasing	-	Stable	-	Stable	-	Prob. Increasing	Prob. Increasing
FR_TURNSEEP1	Decreasing	Stable	No Trend	No Trend	-	Decreasing	-	Decreasing	Prob. Decreasing	Stable	Stable
FR_TBWSEEP1	Decreasing	Stable	Prob. Increasing	Increasing	No Trend	Stable	-	Decreasing	-	Prob. Increasing	No Trend
FR_TURNSEEP2	No Trend	Stable	Increasing	Increasing	Prob. Decreasing	Decreasing	-	Stable	-	Prob. Increasing	No Trend
FR_FCSEEP2	No Trend	Stable	Stable	Stable	Stable	-	-	-	-	No Trend	No Trend
FR_CCSEEPE1	No Trend	Increasing	Increasing	Increasing	Prob. Increasing	Stable	Increasing	Increasing	-	Increasing	Increasing
FR_CCSEEPSE1	Stable	Stable	Decreasing	Prob. Decreasing	Decreasing	Stable	No Trend	No Trend	-	No Trend	Stable
FR_LMCWSEEP5	Prob. Increasing	No Trend	No Trend	No Trend	Decreasing	No Trend	-	Prob. Increasing	-	No Trend	No Trend
FR_EAGLENORTH	No Trend	No Trend	Decreasing	Stable	Prob. Decreasing	Stable	-	Decreasing	-	Stable	Prob. Decreasing
FR_ASPSEEP1	No Trend	Prob. Decreasing	Decreasing	No Trend	No Trend	Decreasing	-	No Trend	-	Prob. Decreasing	No Trend
FR_DOKASEEP1	-	-	-	-	-	-	-	-	-	-	-
FR_FSEAMSEEP7	Stable	Decreasing	Decreasing	Stable	-	Stable	Prob. Decreasing	Stable	-	Stable	Stable
FR_SPRWSEEP1	Stable	No Trend	No Trend	Decreasing	No Trend	Stable	-	Decreasing	-	Stable	Prob. Decreasing
FR_BLAKESEEP1	-	No Trend	No Trend	No Trend	No Trend	Decreasing	Stable	No Trend	-	Stable	No Trend
FR_FRVWSEEP3	Prob. Increasing	No Trend	Increasing	Stable	Stable	Prob. Increasing	-	Stable	-	Stable	Stable
FR_STPNSEEP	Decreasing	Stable	No Trend	Stable	No Trend	Stable	-	-	-	Stable	Stable
FR_BLAINESEEP1	Prob. Increasing	Prob. Decreasing	Stable	Stable	No Trend	Stable	-	Decreasing	-	Stable	Decreasing
FR_STPWSEEP	Decreasing	No Trend	No Trend	Decreasing	No Trend	-	Decreasing	Decreasing	-	Decreasing	Decreasing
FR_STPSWSEEP	Decreasing	No Trend	No Trend	Decreasing	Stable	-	Decreasing	Decreasing	-	Stable	Decreasing
FR_BLAINESEEP5	Stable	Stable	No Trend	Prob. Decreasing	No Trend	No Trend	-	Stable	Stable	Stable	Decreasing
FR_SCRDSEEP1	Increasing	Increasing	Prob. Increasing	Increasing	No Trend	Increasing	Increasing	Increasing	Increasing	Increasing	Increasing

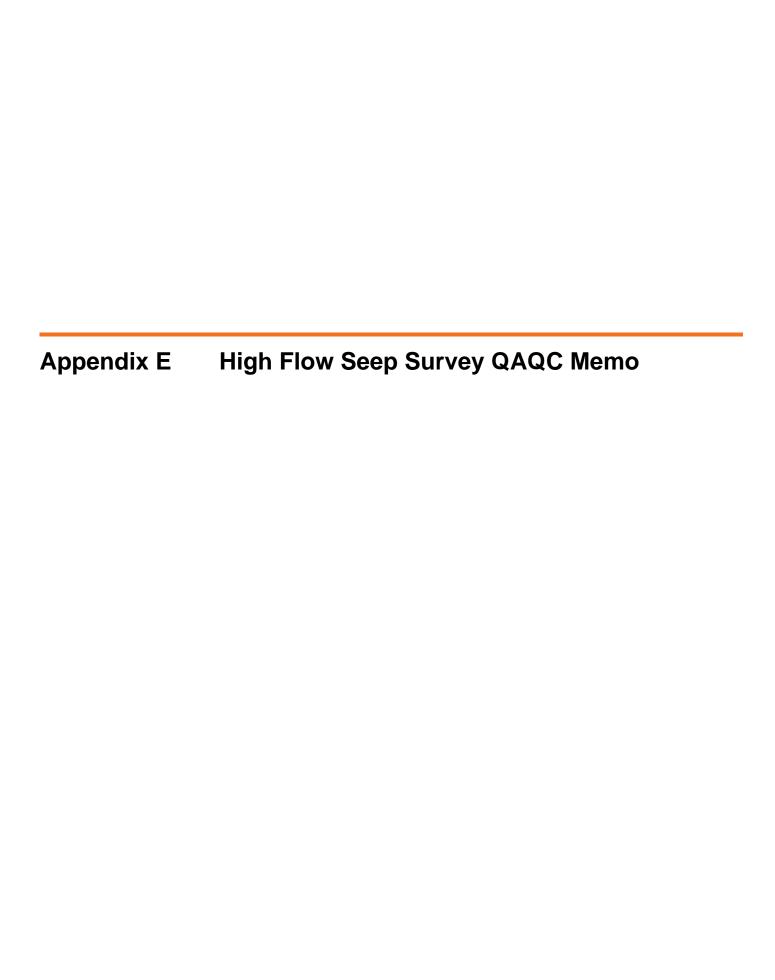
Parameter Site ID	Dissolved Cadmium	Nitrate-N	Dissolved Selenium	Sulfate	Field pH	Dissolved Antimony	Dissolved Cobalt	Dissolved Nickel	Nitrite-N	Dissolved Uranium	TDS
GH_SEEP_12	Stable	-	Stable	Stable	Prob. Decreasing	-	-	No Trend	-	Stable	-
GH_SEEP_76	No Trend	Decreasing	No Trend	Increasing	No Trend	Prob. Decreasing	Stable	No Trend	Decreasing	Increasing	Decreasing
GH_SEEP_77	Prob. Decreasing	Stable	Stable	Stable	No Trend	Stable	Stable	No Trend	Stable	Prob. Decreasing	Stable
GH_SEEP_50	-	-	-	-	-	-	-	-	-	-	-
GH_SEEP_5	No Trend	Increasing	Increasing	Increasing	-	Stable	Decreasing	Stable	-	No Trend	Prob. Increasing
GH_SEEP_46	-	-	-	-	-	-	-	-	-	-	-
GH_SEEP_60	-	-	-	-	-	-	-	-	-	-	-
GH_SEEP_79	-	Stable	Stable	No Trend	Stable	Stable	-	-	-	No Trend	Prob. Increasing
GH_SEEP_15	-	-	-	-	-	-	-	-	-	-	-
GH_SEEP_30	-	-	-	-	-	-	-	-	-	-	-
GH_WTDS	Decreasing	Prob. Decreasing	Stable	Decreasing	Stable	Stable	Decreasing	Decreasing	-	Decreasing	Decreasing
GH_SEEP_16	-	-	Decreasing	Stable		Stable	-	Stable	-	Decreasing	Prob. Decreasing
GH_SEEP_21	Stable	Stable	Decreasing	Stable	No Trend	-	-	Stable	-	Stable	No Trend
GH_SEEP_22	Decreasing	Stable	Decreasing	Stable	Stable	-	-	No Trend	-	Decreasing	Stable
GH_E3	Stable	Stable	Decreasing	No Trend	Prob. Decreasing	Decreasing	Stable	No Trend	-	Stable	Prob. Increasing
GH_W-SEEP	-	-	No Trend	Prob. Decreasing	No Trend	-	-	-	-	Decreasing	Prob. Decreasing
GH_SEEP_26	-	-	-	-	-	-	-	-	-	-	-
GH_E1	Prob. Increasing	No Trend	No Trend	Stable	Stable	Stable	Decreasing	Decreasing	-	Prob. Increasing	Prob. Decreasing
GH_SEEP_98	-	-	-	-	-	-	-	-	-	-	-
RG_ERSP3	-	-	-	-	-	-	-	-	-	-	-

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Parameter Site ID	Dissolved Cadmium	Nitrate-N	Dissolved Selenium	Sulfate	Field pH	Dissolved Antimony	Dissolved Cobalt	Dissolved Nickel	Nitrite-N	Dissolved Uranium	TDS
LC_UDHP	No Trend	No Trend	No Trend	No Trend	Stable	Increasing	-	Prob. Increasing	-	Increasing	Prob. Increasing
LC_UDP1	Stable	No Trend	Stable	Stable	Stable	No Trend	-	-	-	Stable	Prob. Increasing
LC_SEEP8	No Trend	-	Stable	-	-	Stable	-	No Trend	-	Stable	No Trend
LC_SEEP19	No Trend	Stable	No Trend	No Trend	Stable	No Trend	-	Stable	-	No Trend	No Trend
LC_3KM	Decreasing	Prob. Decreasing	Decreasing	Stable	No Trend	Stable	-	Decreasing	Stable	Increasing	Stable
LC_SEEP1	-	-	Decreasing	Stable	No Trend	Stable	-	No Trend	-	Increasing	No Trend
LC_WLC_LOT2	Stable	Prob. Decreasing	Stable	Prob. Increasing	-	-	-	Stable	-	No Trend	Prob. Increasing
LC_SEEP2	No Trend	No Trend	Stable	Stable	Stable	-	-	-	-	No Trend	No Trend
LC_SEEP15	-	Decreasing	Decreasing	Stable	Stable	-	-	-	-	Stable	Stable
LC_SEEP14	Decreasing	-	No Trend	No Trend	-	Stable	-	-	-	No Trend	No Trend
LC_SEEP10	Prob. Decreasing	No Trend	Stable	No Trend	Prob. Decreasing	-	Stable	No Trend	-	Prob. Increasing	No Trend
LC_SEEP11	No Trend	Stable	No Trend	No Trend	Decreasing	-	-	-	-	Stable	Prob. Decreasing

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Parameter Site ID	Dissolved Cadmium	Nitrate-N	Dissolved Selenium	Sulfate	Field pH	Dissolved Antimony	Dissolved Cobalt	Dissolved Nickel	Nitrite-N	Dissolved Uranium	TDS
EV_SEEP_ERICKSON1	No Trend	-	-	Prob. Increasing	Stable	-	No Trend	No Trend	-	No Trend	No Trend
EV_SEEP_ERICKSON2	Stable	Prob. Decreasing	No Trend	Stable	No Trend	No Trend	-	Decreasing	-	Prob. Decreasing	Decreasing
EV_SEEP_SOUTHPIT6	No Trend	No Trend	Decreasing	No Trend	Stable	Stable	-	Stable	-	Stable	Stable
EV_SEEP_SOUTHPIT3	Stable	-	Decreasing	No Trend	No Trend	No Trend	-	No Trend	-	Stable	No Trend
EV_SEEP_SOUTHPIT4	-	-	No Trend	No Trend	Stable	-	-	-	-	Prob. Decreasing	No Trend
EV_SEEP_HOPPER2	No Trend	Stable	No Trend	No Trend	Prob. Decreasing	Stable	Stable	Decreasing	Stable	No Trend	Stable
EV_SEEP_TURCON1	-	No Trend	No Trend	Stable	No Trend	-	-	-	-	Prob. Increasing	Stable
EV_SEEP_PLANT10	-	-	No Trend	No Trend	Stable	-	-	-	-	No Trend	Stable
EV_SEEP_PLANT1	No Trend	-	No Trend	Stable	Prob. Increasing	-	-		-	No Trend	Stable
EV_SEEP_PLANT11	No Trend	-	Stable	No Trend	No Trend	-	-	Stable	-	Stable	Stable
EV_SEEP_BREAKERLAKE	Stable	Stable	Stable	No Trend	Stable	Stable	No Trend	Stable	No Trend	No Trend	Stable
EV_SEEP_PLANT23	Stable	No Trend	No Trend	Stable	Prob. Increasing	No Trend	-	Prob. Decreasing	-	No Trend	Stable
EV_WLAGC	-	Prob. Increasing	-	Stable	No Trend	-	No Trend	Stable	-	No Trend	Stable
EV_CN1	No Trend	Stable	Increasing	No Trend	Stable	Stable	-	No Trend	-	Increasing	No Trend
EV_SEEP_10MILE5	No Trend	Stable	No Trend	Stable	Stable	-	-	Stable	-	Increasing	Decreasing
EV_SEEP_10MILE9	Prob. Increasing	No Trend	No Trend	Increasing	Stable	-	No Trend	No Trend	-	Increasing	No Trend
EV_SEEP_CFI1	-	No Trend	Stable	-	No Trend	-	No Trend	Stable	-	Stable	Stable
EV_SEEP_CFI2	-	-	-	-	,	-	-	-	-	-	-
EV_SEEP_CFI3	-	-	-	-	,	-	-	-	-	-	-
EV_SPR1B	No Trend	No Trend	No Trend	Stable	No Trend	Stable	-	Decreasing	-	Stable	Stable

Parameter Site ID	Dissolved Cadmium	Nitrate-N	Dissolved Selenium	Sulfate	Field pH	Dissolved Antimony	Dissolved Cobalt	Dissolved Nickel	Nitrite-N	Dissolved Uranium	TDS
CM CS1	Prob. Increasing	No Trend	No Trend	No Trend	Stable	_	_	Stable		Stable	No Trend
CM CCDS	-	-	-	-	-	-	-	-	-	-	-
CM_37PIT-SEEP-E	Stable	Stable	No Trend	Decreasing	Prob. Increasing	-	Decreasing	Decreasing	-	Decreasing	Decreasing
CM_37PIT-SEEP-W	Decreasing	No Trend	No Trend	Decreasing	Increasing	-	Decreasing	Decreasing	-	Decreasing	Decreasing
CM_WD4	No Trend	Stable	Stable	No Trend	Stable	Stable	-	Prob. Decreasing	-	Decreasing	Stable
CM_WD7	Stable	No Trend	Stable	No Trend	No Trend	Stable	-	Stable	-	No Trend	No Trend
CM_WD15	Prob. Decreasing	Decreasing	Prob. Decreasing	No Trend	Stable	-	-	Prob. Decreasing	-	Stable	No Trend
CM_WD15-SOURCE	-	-	-	-	-	-	-	-	-	-	-
CM_WD18	No Trend	No Trend	Stable	Stable	No Trend	-	-	Stable	-	No Trend	No Trend
CM_WD19	Stable	Stable	Stable	No Trend	No Trend	-	Stable	Decreasing	-	No Trend	No Trend
CM_PLANT-SEEP1	-	-	Stable	Decreasing	No Trend	-	Stable	Stable	-	No Trend	Stable
CM_MM-SEEP1	Prob. Increasing	Stable	Stable	Stable	No Trend	Stable	-	Stable	-	No Trend	No Trend
CM_NS4	Stable	Stable	Prob. Decreasing	Stable	Stable	Stable	-	Prob. Decreasing	-	Prob. Increasing	Stable
CM_NS7	Stable	No Trend	No Trend	No Trend	No Trend	Stable	No Trend	Stable	-	Stable	Stable
CM_NS1	Decreasing	No Trend	No Trend	No Trend	No Trend	Decreasing	-	Decreasing	-	Stable	Stable
CM_MM-SEEP3	-	-	Stable	Stable	No Trend	-	Stable	Decreasing	-	Stable	Stable
CM_MM-SEEP5	-	-	-	-	-	-	-	-	-	-	-



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DRAFT

Memo

 To
 Cam Jaeger
 Project
 CAPR002058

 From
 Anne Day
 Reg. No.
 EGBC 1003655

 Cc
 Shauna Litke (SRK)
 Date
 August 26, 2022

Stephen Day (SRK)

Nathaniel Barnes (Teck)

Client Teck Coal Limited

Subject Elk Valley Regional Seep Monitoring: 2022 High Flow Sampling QAQC Review Results

1 Introduction

This memo discusses the results of the 2022 high flow seep sampling Quality Assurance and Quality Control (QA/QC) review for Teck's Elk Valley Regional Seep Monitoring Program (RSMP).

2 Summary

- The target number of QA/QC samples was attained during 2022 high flow seep sampling.
- All field blank and trip blank samples passed QA/QC.
- Field duplicate pairs from FRO seep sites indicate field heterogeneity, most likely related to suspended sediment. A review of potential sources of this heterogeneity should be conducted.
- The following lab re-checks should be conducted:
 - Dissolved and total copper concentrations reported for sample FR_FSEAMSEEP7_SEEP_2022-04-11_NP
 - Dissolved and total cadmium and iron concentrations reported for sample FR_STPSWSEEP_SEEP_2022-04-11_NP
 - Total kjeldahl nitrogen (TKN) concentration reported for sample GH_SEEP_98_WS_2022-06-07_NP
 - Dissolved sulfur concentration reported for sample FR ASPSEEP1 WS 2022-06-03 NP

3 Methods

3.1 Teck Data Quality Objectives

The RSMP includes the following data quality objectives (DQOs) for screening duplicate samples:

- Category 1 relative percent difference (RPD) less than 20%, or RPD greater than 20% and results less than five times the detection limit. Samples pass screening with no further action required.
- Category 2 RPD greater than 20% and less than 50% with results greater than five times the detection limit. Analyte should be monitored in future RPD analysis to determine trend of variance. If variance of 20 to 50% persists, a follow-up with the lab should be conducted.
- Category 3 RPD greater than 50% with results greater than five times the detection limit. The sample fails screening and is not suitable for quantitative use. If variance greater than 50% continues, follow-up with the lab is required to investigate.

3.2 SRK QA/QC Procedures

In addition to the QA/QC procedures established in the Plan, SRK applied the following QA/QC procedures, which were used to evaluate data quality:

- Differences between field and lab pH corresponding values should be within one pH unit.
- Difference between field and lab conductivity samples should have an RPD of less than 30%.
- Difference between total and dissolved metals for parameters greater than ten times the detection limit, RPD should be ±30%.
- Ion balances for electrical conductivity (EC) greater than 100 micro siemens per centimetre (μS/cm), the percent difference should be ±10%.

4 Results

QAQC compliance sampling was achieved during 2022 high flow sampling. During high flow sampling, there were ten paired field duplicates and eight field blank samples, representing 21% of all samples collected compared to the 10% target. A summary of the QA/QC samples collected during the 2022 RSMP high flow surveys is provided in Table 1.

Table 1: QA/QC sample summary by operation

Operation ¹	Total Samples	Field D	Ouplicates	Field Blanks		
		Number	% of Samples	Number	% of Samples	
FRO	22	3	14	1	5	
GHO	15	2	13	2	13	
LCO	12	1	8	1	8	
EVO	18	2	11	2	11	
CMm	17	2	12	2	12	
Total	84	10	12	8	10	

Sources:

https://srk.sharepoint.com/sites/NACAPR002058/Internal/!020_Project_Data/020_Client/CAPR002058_SeepSampleAccount_r0_amd.xlsx

A summary of the QAQC results is provided in Table 2, Table 3, and Table 4.

¹ FRO = Fording River Operation, GHO = Greenhills Creek Operation, LCO = Line Creek Operation, EVO = Elkveiw Operation, CMm = Coal Mountain Mine

Table 2: Summary of 2022 Field Blanks and Duplicates QA/QC Review

QC Test	n	QC Criteria	Parameters	Results
Fording River Operation (FR	RO)			
Field Blank	eld Blank 1		Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	All passed.
		For samples >X10DL, <30% RPD	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	1 sample pair failed for Mo-T, TSS, and total kjedahl nitrogen 1 sample pair failed for T-Al, T-As, T-Be, T-Cd, C-Cr, T-Co, T-Cu, D-Cu, T-Fe, T-Pb, T-Mn, T-Hg, T-Ni, Ammonia-N, T-P, T-Ag, T-Ti, TOC, TSS, Turbidity, T-V, and T-Zn. 1 sample pair failed for T- and D-Cd, T- and D-Fe, T-Mn, and Nitrate-N All parent samples accepted, see Section 4.2 below.
Greenhills Operation (GHO)				
Field Blank	2	<5x DL	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	All passed.
Paired Field Duplicates	2	For samples >X10DL, <30% RPD	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	1 sample pair failed for total kjeldahl nitrogen. Parent sample accepted, see Section 4.2 below.
Line Creek Operation (LCO))			
Field Blank	1	<5x DL	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	All passed.
Paired Field Duplicates	1	For samples >X10DL, <30% RPD	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	All passed.
Elkview Operation (EVO)				
Field Blank	2	<5x DL	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	All passed.
Paired Field Duplicates	2	For samples >X10DL, <30% RPD	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	1 sample pair failed for D-Al and ortho-phosphate. Parent sample not accepted, see Section 4.2 below. 1 sample pair failed for DOC. Parent sample accepted, see Section 4.2 below.
Coal Mountain Mine (CMm)				
Field Blank	2	<5x DL	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	All passed.
Paired Field Duplicates	2	For samples >X10DL, <30% RPD	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	All passed.
Sources: https://srk.sharepoint.com/s	ites/NA0	CAPR002058/Internal/Task%20	0100%20-%20QAQC/CAPR002058_SeepsWQ_HF2022_QAG	QC_amd.xlsx

4.1 Field Blank and Trip Blanks

All field blank and trip blank samples passed QA/QC.

4.2 Field Duplicates

Six of ten paired field duplicate samples failed reproducibility for at least one parameter.

Three paired duplicates at FRO failed:

- FR_EAGLENORTH sampled on May 16, 2022, for Mo-T, TSS, and total kjedahl nitrogen (TKN).
 - The failed reproducibility for TSS may indicate heterogeneity in suspended sediments at the sampling location. Results were accepted as all dissolved metal concentrations passed QA/QC. TKN result not accepted, duplicate sample is significantly higher compared to parent sample which reported TKN at below the detection limit (0.05 mg/L).
- FR_FSEAMSEEP7 sampled on May 16, 2022, for Al-T, As-T, Be-T, Cd-T, Cr-T, Co-T, Cu-T and -D, Fe-T, Pb-T, Mn-T, Hg-T, Ni-T, ammonia-N, P-T, Ag-T, Ti-T, TOC, TSS, Turbidity, V-T, and Zn-T.
 - The failed reproducibility for TSS and turbidity may indicate heterogeneity in suspended sediments at this sampling location. Results were accepted as all dissolved metal concentrations (except copper) passed QA/QC. The copper concentrations are not accepted and should be re-checked with the lab.
- FR_STPSWSEEP sampled on May 19, 2022, for Cd-T and -D, Fe-T and -D, Mn-T, and nitrate-N.
 - All dissolved metal concentrations passed for this sample. This may indicate heterogeneity in suspended sediments at these seeps. However, the iron and cadmium concentrations have not been accepted should be re-checked with the lab. All other results were accepted.

The failed reproducibility of samples at FRO generally seems to be related to suspended sediment heterogeneity. Dissolved metal concentration results were generally consistent with previous results and interpretation is not expected to be affected.

One paired duplicate at GHO failed:

GH SEEP 98 sampled on June 29, 2022, for total kjeldahl nitrogen (TKN)

Without a total nitrogen lab result, it is not possible to verify the sample's nitrogen balance. In 2021, TKN at this seep was reported to be 0.374 mg/L on June 6, 2021, and 0.329 mg/L on July 6, 2021. The parent sample in 2022 reported TKN at 0.321 mg/L and the duplicate at 0.865 mg/L. The parent sample data is accepted and will be used in future analyses. Confirmation with the lab should be completed regarding the duplicate sample.

Two paired duplicates at EVO failed:

EV SEEP SOUTHPIT3 was sampled on July 13, 2022, for Al-D and ortho-phosphate.

Al-D has historically been reported below the detection limit (DL = 0.001 mg/L),in 2021 0.0014 mg/L of Al-D was reported at this seep. The 2022 parent sample reported Al-D at 0.0052 mg/L, and the duplicate sample at below the 0.001 mg/L detection limit. Ortho-phosphate has historically been reported between 0.0112 and 0.0173 mg/L. The 2022 parent sample reported ortho-phosphate at 0.0175 mg/L and the duplicate sample at 0.0094 mg/L. Due to the discrepancy between the parent sample and duplicate sample for these two parameters, the parent sample data should not be accepted and should be removed from the EQuIS database.

EV_SEEP_TURCON1 was sampled on July 8, 2022, for dissolved organic carbon (DOC).
DOC has historically been reported between 0.5 and 1.2 mg/L. The 2022 parent sample reported DOC at 1.65 mg/L and the duplicate at 36.5 mg/L. No other parameters are showing similar discrepancies and the elevated DOC of the duplicate may be due to contamination. The parent sample data is accepted and will be used in future analyses.

Table 3: Summary of 2022 Samples Results QA/QC Review

QC Test	Test n		Parameters	Results	Data Accepted	
FRO						
Lab vs. Field pH	122	Difference should not be greater than 1 pH unit	рН	3 failed.	Samples not accepted. See Section 4.3.	
Lab vs. Field Conductivity	88	<30% RPD	Conductivity	4 failed.	See Section 4.4	
Total vs. Dissolved Metals	157	For >10XDL, <30% RPD	Total and Dissolved Metals	1 sample failed for Cu-D 3 samples failed for Mo-D 2 samples failed for Se-D 1 sample failed for S-D	See Section 4.5.	
Ion Balance	157	For EC>100 µS/cm, within ±10%	Cations and Anions	All passed.	Yes.	
GHO						
Lab vs. Field pH	33	Difference should not be greater than 1 pH unit	рН	All passed.	Yes.	
Lab vs. Field Conductivity	33	<30% RPD	Conductivity	All passed.	Yes.	
Total vs. Dissolved Metals	33	For >10XDL, <30% RPD	Total and Dissolved Metals	2 samples failed for Se-D	See Section 4.5.	
Ion Balance	33	For EC>100 µS/cm, within ±10%	Cations and Anions	All passed.	Yes.	
LCO						
Lab vs. Field pH	12	Difference should not be greater than 1 pH unit	рН	2 failed.	1 sample accepted, 1 sample not accepted. See Section 4.3.	
Lab vs. Field Conductivity	12	<30% RPD	Conductivity	All passed.	Yes.	
Total vs. Dissolved Metals	12	For >10XDL, <30% RPD	Total and Dissolved Metals	All passed.	Yes.	
Ion Balance	12	For EC>100 µS/cm, within ±10%	Cations and Anions	All passed.	Yes.	
EVO						
Lab vs. Field pH	26	Difference should not be greater than 1 pH unit	pH 2 failed.		1 sample accepted, 1 sample not accepted. See Section 4.3.	
Lab vs. Field Conductivity	26	<30% RPD	Conductivity	1 failed.	See Section 4.4	
Total vs. Dissolved Metals	26	For >10XDL, <30% RPD	Total and Dissolved Metals	1 sample failed for Se-D	See Section 4.5.	

QC Test	n	QC Criteria	Parameters	Results	Data Accepted
Ion Balance	26	For EC>100 μS/cm, within ±10%	Cations and Anions	All passed.	Yes.
CMm					
Lab vs. Field pH	17	Difference should not be greater than 1 pH unit	рН	All passed.	Yes.
Lab vs. Field Conductivity	17	<30% RPD	Conductivity	All passed.	Yes.
Total vs. Dissolved Metals	17	For >10XDL, <30% RPD	Total and Dissolved Metals	All passed.	Yes.
Ion Balance	17	For EC>100 μS/cm, within ±10%	Cations and Anions	All passed.	Yes.

Sources: https://srk.sharepoint.com/sites/NACAPR002058/Internal/Task%20100%20-%20QAQC/CAPR002058_SeepsWQ_HF2022_QAQC_amd.xlsx

4.3 Field vs. Lab pH

Due to short hold times, field pH is generally considered more reliable than laboratory pH and some degree of difference between the two measurements is expected. Seven of 211 samples reviewed had a difference between field and laboratory pH greater than 1 pH unit. Two of these samples reported laboratory pH measurements between 1.0 and 1.2 pH units higher than the field measurements. This could be due to the off-gassing of CO₂ during travel and these results were considered acceptable.

- **EV_SEEP_10MILE9** (Field pH has ranged from 5.9 to 7.9 with an average of 6.7 from 2018 to 2021. Laboratory pH has ranged from 6.8 to 8.3 with an average of 7.6 from 2018 to 2021):
 - Sampled on June 29, 2022. Field pH: 6.4, Lab pH: 7.8. Sample accepted, field and lab pH both within the historical range.
 - Sampled on July 14, 2022. Field pH: 6.5, Lab pH: 8.4. Sample accepted, field and lab pH within or close to the historical range.
- **FR_ASPSEEP1** (Field pH has ranged from 6.8 to 7.6 with an average of 7.3 from 2018 to 2021. Laboratory pH has ranged from 7.3 to 8.5 with an average of 7.9 from 2018 to 2021):
 - Sampled on February 1, 2022. Field pH: 10.4, Lab pH: 7.9. Sample not accepted.
 - Sampled on March 1, 2022. Field pH: 6.2, Lab pH: 7.9. Sample not accepted.
 - Sampled on May 18, 2022. Field pH: 9.2, Lab pH: 7.6. Sample not accepted.
- **LC_SEEP1** (Field pH has ranged from 7.9 to 8.2 with an average of 8.0 from 2018 to 2021. Laboratory pH has ranged from 5.8 to 8.6 with an average of 8.1 from 2018 to 2021):
 - Sampled on July 8, 2022. Field pH: 6.8, Lab pH: 7.9. Sample not accepted.
- LC_SEEP11 (Field pH has ranged from 7.0 to 8.0 with an average of 7.4 from 2018 to 2021.
 Laboratory pH has ranged from 8.0 to 8.3 with an average of 8.1 from 2018 to 2021):
 - Sampled on July 8, 2022. Field pH: 7.0, Lab pH: 8.1. Sample accepted, field and lab pH both within the historical range.

4.4 Field vs. Lab Conductivity

Five of 177 samples reviewed had a difference between laboratory and field conductivity greater than 30% RPD.

- One sample at EV_SEEP_10MILE9 on July 14, 2022 (RPD of 34%). Field conductivity: 553 μS/cm. Lab conductivity: 783 μS/cm. Historically lab conductivity has ranged between 273 to 542 μS/cm, and field conductivity has ranged between 218 and 564 μS/cm. The field conductivity is accepted, and the lab conductivity is not accepted.
- Three samples at FR_ASPSEEP1. Field conductivity historically ranged between 1,039 and 1,929 μS/cm. Lab conductivity historically ranged between 1,120 and 1,920 μS/cm.

- May 22, 2022 (RPD of 190 %). Field conductivity: 36.1 μS/cm. Lab conductivity: 1,380 μS/cm,
- May 31, 2022 (RPD of 69%). Field conductivity: 647 μS/cm. Lab conductivity: 1,330 μS/cm,
- June 27, 2022 (RPD of 66%). Field conductivity: 582 μS/cm. Lab conductivity: 1,160 μS/cm.

Field conductivity measurements are not accepted due to low values. Lab conductivity values accepted.

One sample at FR_STPNSEEP on July 15, 2022 (RPD of 58%). Field conductivity: 951 μS/cm. Lab conductivity: 523 μS/cm. Field conductivity at this location has previously ranged from 460 to 820 mg/L with an average of 650 mg/L between 2018 an 2021. The field conductivity measurement is not accepted due to a higher-than-average value. The lab conductivity value is accepted.

4.5 Total vs. Dissolved Metals

Thirteen out of 354 samples had an RPD greater than 30% for the difference between dissolved and total metal concentrations for parameters greater than ten times the detection limit where the dissolved concentration was reported as higher than the total concentration. This could indicate potential contamination during field filtration for field filtered samples. Potentially anomalous dissolved metal concentrations identified are summarized in Table 4.

Table 4: Potentially Anomalous Dissolved Metal Concentrations Identified

Seep ID	Sample Date	Parameter	Dissolved Concentration (mg/L)	Total Concentration (mg/L)	Comment
EV_SEEP_TURCON1	2022-07-08	Selenium	0.00292	0.00165	Possible
FR_ASPSEEP1	2022-08-03	Copper	0.00428	0.00096	─ contamination. Use total
FR_ASPSEEP1	2022-02-10	Molybdenum	0.00587	0.0025	concentration for dissolved
FR_ASPSEEP1	2022-02-28	Molybdenum	0.00535	0.00197	— for dissolved
FR_ASPSEEP1	2022-03-31	Selenium	0.00137	0.00101	_
FR_ASPSEEP1	2022-05-05	Selenium	0.00182	0.00132	_
FR_ASPSEEP1	2022-06-03	Sulfur	1020	174	Dissolved concentration no accepted
FR_FSEAMSEEP7	2022-05-16	Molybdenum	0.0128	0.0077	Possible
GH_E3	2022-01-24	Selenium	0.00554	0.00219	─ contamination. Use total
GH_E3	2022-07-08	Selenium	0.0019	0.00131	concentration for dissolved

Sources:https://srk.sharepoint.com/sites/NACAPR002058/Internal/Task%20100%20%20QAQC/CAPR002058_SeepsWQ_HF2022_QAQC_amd.xlsx

The sulfate concentration reported for the FR_ASPSEEP1 June 3, 2022 sample is 469 mg/L. Therefore, the total sulfur concentration reported is more likely to be correct and should be accepted. The dissolved sulfur concentration report should be re-checked with the lab.

Consultant, Surface Water Resources

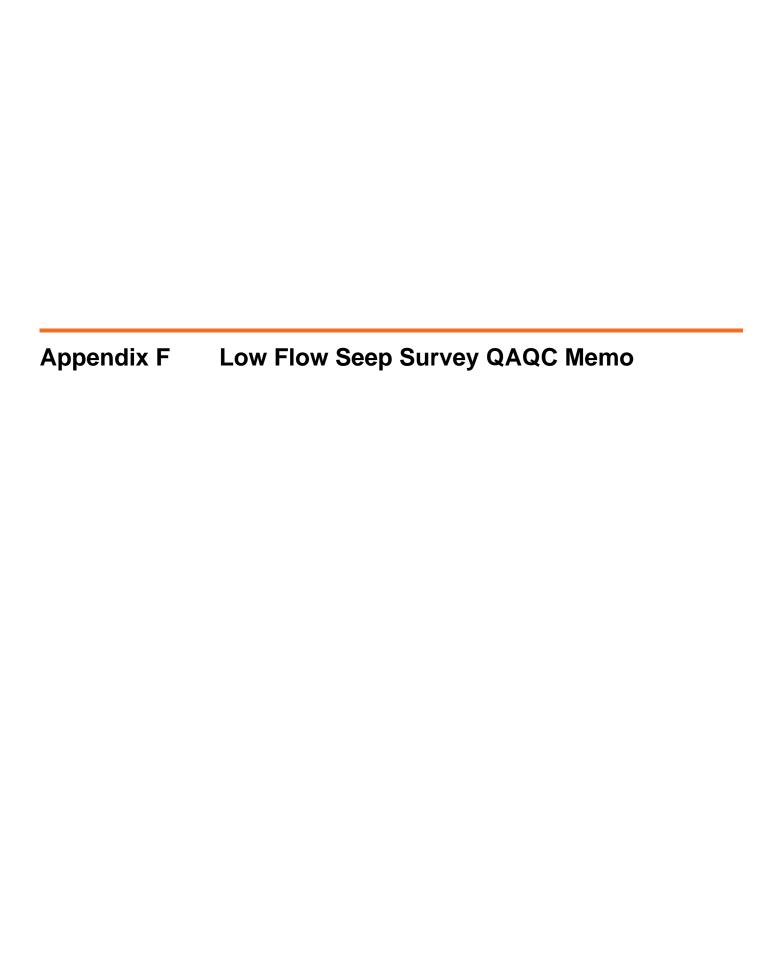
4.6 Ion Balance

All samples with EC greater than 100 μS/cm	n had a percent difference of ±10% and passed.
Regards, SRK Consulting (Canada) Inc.	
DRAFT	DRAFT
Anne Day, GIT, MLWS	Shauna Litke

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Senior Consultant, Geochemistry

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DRAFT

Memo

 To
 Cam Jaeger
 Project
 CAPR002058

 From
 Anne Day
 Reg. No.
 EGBC 1003655

 Cc
 Shauna Litke (SRK)
 Date
 October 31, 2022

Stephen Day (SRK)

Nathaniel Barnes (Teck)

Client Teck Coal Limited

Subject Elk Valley Regional Seep Monitoring: 2022 Low Flow Sampling QAQC Review Results

1 Introduction

This memo discusses the results of the 2022 low flow seep sampling Quality Assurance and Quality Control (QA/QC) review for Teck's Elk Valley Regional Seep Monitoring Program (RSMP).

2 Summary

- The target number of QA/QC samples was attained during 2022 low flow seep sampling.
- All field blank and trip blank samples passed QA/QC.
- The following lab re-checks should be conducted:
 - Total kjeldahl nitrogen (TKN) report for sample FR_LMCWSEEP5_SEEP_2022-09-22_NP
 - Dissolved and total manganese concentrations reported for sample GH_SEEP_12_WS_2022-09-06_NP
 - Dissolved and total aluminum concentrations reported for sample CM_CS1_WS_2022-09-02_NP
 - Dissolved and total aluminum concentrations reported for sample CM_WD4_WS_2022-09 NP

3 Methods

3.1 Teck Data Quality Objectives

The RSMP includes the following data quality objectives (DQOs) for screening duplicate samples:

- Category 1 relative percent difference (RPD) less than 20%, or RPD greater than 20% and results less than five times the detection limit. Samples pass screening with no further action required.
- Category 2 RPD greater than 20% and less than 50% with results greater than five times the detection limit. Analyte should be monitored in future RPD analysis to determine trend of variance. If variance of 20 to 50% persists, a follow-up with the lab should be conducted.
- Category 3 RPD greater than 50% with results greater than five times the detection limit. The sample fails screening and is not suitable for quantitative use. If variance greater than 50% continues, follow-up with the lab is required to investigate.

3.2 SRK QA/QC Procedures

In addition to the QA/QC procedures established in the Plan, SRK applied the following QA/QC procedures, which were used to evaluate data quality:

- Differences between field and lab pH corresponding values should be within one pH unit.
- Difference between field and lab conductivity samples should have an RPD of less than 30%.
- Difference between total and dissolved metals for parameters greater than ten times the detection limit, RPD should be ±30%.
- Ion balances for electrical conductivity (EC) greater than 100 micro siemens per centimetre (μS/cm), the percent difference should be ±10%.
- Field duplicates corresponding values greater than 10 times the detection limit should have RPD
 <30%.
- Field blanks and Trip blanks minimum criterion is less than 2 times detection limit, will accept less than 5 times detection limit.

4 Results

4.1 Overview

QAQC compliance sampling was achieved during 2022 low flow sampling. During high flow sampling, there were eight paired field duplicates and six field blank samples, representing 19% of all samples collected compared to the 10% target. A summary of the QA/QC samples collected during the 2022 RSMP low flow surveys is provided in Table 1.

Table 1: QA/QC sample summary by mine site

Mine Site ¹	Total Samples	Field Duplicates		Field	Blanks
		Number	% of Samples	Number	% of Samples
FRO	18	3	17%	1	6%
GHO	13	1	8%	1	8%
LCO	11	1	9%	1	9%
EVO	17	1	6%	1	6%
CMm	16	2	13%	2	13%
Total	75	8	11%	6	8%

 $Sources: https://srk.sharepoint.com/sites/NACAPR002058/Internal/!020_Project_Data/020_Client/CAPR002058_SeepSampleAccount_r0_amd.xlsx$

A summary of the QAQC results are described in the following subsections.

4.2 Field Blank and Trip Blanks

All field blank and trip blank samples passed QA/QC (Table 2).

4.3 Field Duplicates

Six of ten paired field duplicate samples failed reproducibility for at least one parameter (Table 2).

Three paired duplicates at FRO failed:

FR_BLAINESEEP5 sampled on September 26, 2022, for dissolved organic carbon (DOC).

DOC and total organic carbon (TOC) in the duplicate sample was reported at 6.37 mg/L and 13.2 mg/L, respectively. DOC and TOC in the parent sample was reported at 2.36 mg/L and 12.4 mg/L, respectively. Historical DOC concentrations range from 2.32 to 11 mg/L, averaging 4.44 mg/L. Historical TOC concentrations range from 2.47 to 59.8 mg/L, averaging 12.7 mg/L. The duplicate DOC was not accepted because it is significantly higher compared to the parent sample and above the historically observed DOC range.

¹ FRO = Fording River Operation, GHO = Greenhills Creek Operation, LCO = Line Creek Operation, EVO = Elkveiw Operation, CMm = Coal Mountain Mine

 FR_LMCWSEEP5 sampled on September 22, 2022, for total phosphorus and total kjeldahl nitrogen (TKN).

Without a total nitrogen lab result, it is not possible to verify the sample's nitrogen balance. The parent sample reported TKN at 0.409 mg/L and the duplicate at 0.074 mg/L. Historical TKN values at FR_LMCWSEEP5 have ranged from 0.05 (DL) to 0.365 mg/L, averaging 0.19 mg/L. Both samples have been accepted. Confirmation with the lab should be completed regarding both samples.

• FR_SCRDSEEP1 sampled on September 21, 2022, for Mn-D, Se-D, ortho-phosphate, phosphorus, TKN, total suspended solids (TSS), and turbidity.

The failed reproducibility for TSS and turbidity may indicate heterogeneity in suspended sediments at this sampling location. Due to the discrepancy between the parent sample and duplicate sample for these two parameters, the parent sample data should not be accepted and should be removed from the EQuIS database.

One paired duplicate at GHO failed:

 GH_SEEP_12 sampled on September 20, 2022, for Al-T, Cd-T, Chloride, Fe-T, Mn-T, Mn-D, and Zn-T.

All results except manganese were accepted as their respective dissolved metal concentrations passed QA/QC. The manganese concentrations are not accepted and should be re-checked with the lab.

One paired duplicate at LCO failed:

LC_SEEP10 was sampled on September 16, 2022, for DOC and TSS.

The failed reproducibility for TSS may indicate heterogeneity in suspended sediments at this sampling location. DOC and TOC in the duplicate sample was reported at 1.57 mg/L and 1.61 mg/L, respectively. DOC and TOC in the parent sample was reported at 2.98 mg/L and 1.83 mg/L, respectively. Historical DOC concentrations range from 0.5 (DL) to 2.6 mg/L, averaging 1.5 mg/L. Historical TOC concentrations range from 0.5 (DL) to 2.69 mg/L, averaging 1.7 mg/L. The parent DOC was not accepted because it is higher compared to the duplicate sample and above the historically observed DOC range.

One paired duplicate at EVO failed:

EV_SEEP_CFI1 was sampled on September 26, 2022, for TSS.

The failed reproducibility for TSS may indicate heterogeneity in suspended sediments at this sampling location. As no other parameters failed reproducibility, the results have been accepted.

Two paired duplicates at CMm failed:

CM CS1 was sampled on September 15, 2022, for Al-D and -T, Fe-T, and Mn-T.

All results except aluminum were accepted as their respective dissolved metal concentrations (except aluminum) passed QA/QC. The aluminum concentrations are not accepted and should be re-checked with the lab.

CM_WD4 was sampled on September 14, 2022, for Al-D.

Al-D has historically been reported between 0.0019 and 0.006 mg/L, averaging 0.004 mg/L. The 2022 low flow parent sample reported Al-D at 0.0657 mg/L, and the duplicate sample at 0.002 mg/L. The dissolved aluminum concentrations are not accepted and should be re-checked with the lab. The remaining results for this sample have been accepted.

Table 2: Summary of 2022 Field Blanks and Duplicates QA/QC Review

QC Test	n	QC Criteria	Parameters	Results		
	Fording River Operation (FRO)					
Field Blank	1	<5x DL	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	All passed.		
Paired Field Duplicates	3	For samples >X10DL, <30% RPD	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	1 sample pair failed for DOC 1 sample pair failed for total phosphorus and TKN 1 sample pair failed for Mn-D, ortho-phosphate, total phosphorus, Se-D, TKN, TSS, and turbidity. FR_SCRDSEEP1 parent sample not accepted, see Section 4.3 below.		
			Greenhills Operation (GHO)			
Field Blank	2	<5x DL	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	All passed.		
Paired Field Duplicates	2	For samples >X10DL, <30% RPD	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	1 sample pair failed for Al-T, Cd-T, chloride, Fe-T, Mn-D and -T, Zn-T. Parent sample accepted except for Mn-D, see Section 4.3 below.		
			Line Creek Operation (LCO)			
Field Blank	1	<5x DL	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	All passed.		
Paired Field Duplicates	1	For samples >X10DL, <30% RPD	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	1 sample pair failed for DOC and TSS. Parent sample accepted except for DOC, see Section 4.3 below.		
			Elkview Operation (EVO)			
Field Blank	2	<5x DL	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	All passed.		
Paired Field Duplicates	2	For samples >X10DL, <30% RPD	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	1 sample pair failed for TSS. Parent sample not accepted, see Section 4.3 below.		
			Coal Mountain Mine (CMm)			
Field Blank	2	<5x DL	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	All passed.		
Paired Field Duplicates	2	For samples >X10DL, <30% RPD	Physical Parameters, Major Anions and Nutrients, Organic Carbon, Dissolved Metals	1 sample pair failed for Al-D and -T, Fe-T, and Mn-T 1 sample pair failed for Al-D. Parent samples accepted except for Al-D, see Section 4.3 below.		

Sources: https://srk.sharepoint.com/sites/NACAPR002058/Internal/Task%20100%20-%20QAQC/CAPR002058_SeepsWQ_HF2022_QAQC_amd.xlsx

4.4 Field vs. Lab pH

Due to short hold times, field pH is generally considered more reliable than laboratory pH and some degree of difference between the two measurements is expected. Five of 63 samples reviewed had a difference between field and laboratory pH greater than 1 pH unit (Table 4). Four of these samples reported laboratory pH measurements between 1.0 and 1.2 pH units higher than the field measurements. This could be due to the off-gassing of CO₂ during travel and these results were considered acceptable.

- LC_3KM (Field pH has ranged from 7.7 to 8.5 with an average of 8.2 from 2018 to Spring 2022. Laboratory pH has ranged from 8.3 to 8.6 with an average of 8.5 from 2018 to Spring 2022):
 - Sampled on September 26, 2022. Field pH: 6.6, Lab pH: 8.5. Field pH reading not accepted.

4.5 Field vs. Lab Conductivity

No samples reviewed had a difference between laboratory and field conductivity greater than 30% RPD (Table 4).

4.6 Total vs. Dissolved Metals

Nineteen out of 99 samples had an RPD greater than 30% for the difference between dissolved and total metal concentrations for parameters greater than ten times the detection limit where the dissolved concentration was reported as higher than the total concentration (Table 4). This could indicate potential contamination during field filtration for field filtered samples. Potentially anomalous dissolved metal concentrations identified are summarized in Table 3.

Table 3: Potentially Anomalous Dissolved Metal Concentrations Identified

3.6 1.67 0.0104 0.008 0.365	
0.0104	
0.008	
0.365	
0.000028	
0.142	Possible
0.00316	contamination.
0.00286	Use total concentration
0.00205	for dissolved Dissolved
0.00485	concentration
0.00628	no accepted.
0.00189	
0.0034	
0.000057	
0.00596	
0.0772	
0.00227	
0 0 0 0 0 0 0 0 0	.000028 .142 .00316 .00286 .00205 .00485 .00628 .00189 .0034 .000057

 $Sources: https://srk.sharepoint.com/sites/NACAPR002058/Internal/Task\%20100\%20-\%20QAQC/CAPR002058_SeepsWQ_HF2022_QAQC_amd.xlsx$

4.7 Ion Balance

All samples with EC greater than 100 μ S/cm had a percent difference of less than ±10% and passed (Table 4).

Table 4: Summary of 2022 Samples Results QA/QC Review

QC Test	n	QC Criteria	Parameters	Results	Data Accepted
			FRO		
Lab vs. Field pH	122	Difference should not be greater than 1 pH unit	рН	All passed.	Samples not accepted. See Section 4.4.
Lab vs. Field Conductivity	88	<30% RPD	Conductivity	All passed.	See Section 4.5
Total vs. Dissolved Metals	157	For >10XDL, <30% RPD	Total and Dissolved Metals	All passed.	See Section 4.6.
Ion Balance	157	For EC>100 µS/cm, within ±10%	Cations and Anions	All passed.	Yes.
	,		GHO		
Lab vs. Field pH	33	Difference should not be greater than 1 pH unit	рН	All passed.	Yes.
Lab vs. Field Conductivity	33	<30% RPD	Conductivity	All passed.	Yes.
Total vs. Dissolved Metals	33	For >10XDL, <30% RPD	Total and Dissolved Metals	3 samples failed for Mn-D 2 samples failed for Se-D 1 sample failed for Mo-D 1 sample failed for Zn-D 1 sampled failed for Cd-D	See Section 4.6.
Ion Balance	33	For EC>100 µS/cm, within ±10%	Cations and Anions	All passed.	Yes.
	•		LCO		
Lab vs. Field pH	12	Difference should not be greater than 1 pH unit	рН	1 failed.	1 sample accepted, 1 sample not accepted. See Section 4.4.
Lab vs. Field Conductivity	12	<30% RPD	Conductivity	All passed.	Yes.
Total vs. Dissolved Metals	12	For >10XDL, <30% RPD	Total and Dissolved Metals	2 samples failed for Se-D 1 sample failed for Mo-D	Yes.
Ion Balance	12	For EC>100 µS/cm, within ±10%	Cations and Anions	All passed.	Yes.
	,		EVO		
Lab vs. Field pH	26	Difference should not be greater than 1 pH unit	рН	All passed.	1 sample accepted, 1 sample not accepted. See Section 4.4.
Lab vs. Field Conductivity	26	<30% RPD	Conductivity	All passed.	See Section 4.5
Total vs. Dissolved Metals	26	For >10XDL, <30% RPD	Total and Dissolved Metals	1 sample failed for K-D 1 sample failed for Cd-D 1 sample failed for Se-D	See Section 4.6.
Ion Balance	26	For EC>100 µS/cm, within ±10%	Cations and Anions	All passed.	Yes.
			CMm		
Lab vs. Field pH	17	Difference should not be greater than 1 pH unit	рН	All passed.	Yes.
Lab vs. Field Conductivity	17	<30% RPD	Conductivity	All passed.	Yes.
Total vs. Dissolved Metals	17	For >10XDL, <30% RPD	Total and Dissolved Metals	2 samples failed for Se-D 1 sample failed for Zn-D 1 sample failed for Al-D	Yes.
Ion Balance	17	For EC>100 µS/cm, within ±10%	Cations and Anions	All passed.	Yes.

Sources: https://srk.sharepoint.com/sites/NACAPR002058/Internal/Task%20100%20-%20QAQC/CAPR002058_SeepsWQ_HF2022_QAQC_amd.xlsx

SRK Consulting (Canada) Inc.		
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Consultant, Surface Water Resources	Senior Consultant, Geochemistry	

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Regards,