Appendix VII

BRITISH COLUMBIA
Ministry of Environment and Climate Change Strategy

Update to Minister/End-of-Spill Report Form

Environmental Emergency Program
SpillReports@gov.bc.ca

This report template can be completed to satisfy the requirements of either the End-of-Spill Report or the Update to Minister Report. Please specify which report you are completing in section I of this form. If any of the fields of this form are not applicable to the spill for which this form is being completed, indicate 'N/A' in the field; reports with incomplete fields will be sent back to the responsible person.

End-of-Spill Report: Section 6 of the Spill Reporting Regulation outlines the requirements for the End-of-Spill Report. Responsible persons must submit a written End-of-Spill Report to the Ministry of Environment and Climate Change Strategy within 30 days following the emergency response completion date of a spill as outlined in section 6 (1) of the Spill Reporting Regulation. Responsible persons must submit a written report to the Ministry of Environment and Climate Change Strategy as soon as practicable if either of the following two conditions are present:

1. The spill entered, or was likely to enter, a body of water as defined in the Spill Reporting Regulation
2. The quantity of the substance spilled was, or was likely to be, equal to or greater than the listed quantity for the listed substance as outlined in the Spill Reporting Regulation

Update to Minister Report: Section 5 of the Spill Reporting Regulation outlines the requirements for the Update to Minister Report. Responsible persons must submit a written report to the Ministry of Environment and Climate Change Strategy as soon as practicable if any of the following three conditions are present:

1. On request of the Minister
2. At least once every 30 days after the date that the spill began
3. At any time that the responsible person has reason to believe that information previously reported in the Initial Report has become inaccurate or incomplete

Complete this form and submit it by email to SpillReports@gov.bc.ca. For additional information, please visit the British Columbia Environmental Emergency Program Report a Spill webpage.

Dangerous Goods Incident Report (DGIR) number: DGIR 241338

Section I: Type of report **Sections 5 and 6 of Spill Reporting Regulation**	
This form is completed to satisfy the requirements of the:	
☐ Update to Minister Report	☒ End-of-Spill Report

Section II: Contact information **Section 6 (2) (a) of the Spill Reporting Regulation**	
Details for person filling out the report	Name of company representative: Kathleen Russell
	Company name: Quisnam Coal Corporation
	Email: kathleen.russell@quinsam.com
	Address: 5800 Argonaut Main PO, Box 5000, Campbell River BC, V9W 8A3
	Telephone number: 250-287-3224 EXT 225

Details for responsible person Same as above ☑	Name of company representative:
	Company name:
	Email:
	Address:
	Telephone number:
Details for owner of the substance spilled Same as above ☑	Name of company representative:
	Company name:
	Email:
	Address:
	Telephone number:

Section III: Timing of the spill
Section 6 (2) (b) of the Spill Reporting Regulation

Date of spill: 2024-03-27 Time of spill: 8:30am Duration of the spill (days): five days

Date reported: 2024-03-27 Emergency response completion date[1]: 2024-05-02

Section IV: Site description
Section 6 (2) (c) (d) of the Spill Reporting Regulation

Provide a description of the spill site and the sites affected by the spill. The description of the spill site may include a description of the receiving environment, the proximity to a nearby city/town/roadway, the type of vegetation in the area, how densely populated the area is, accessibility to spill site, nearby waterways, and any other defining characteristics of the area.

A borehole, (QU14-10), leading into the underground mine workings was capped to prevent water from exiting the mine. The mine water levels were increased, and the water level rose to surface. Water seeped around the casing into a sump. The seepage was approximately 1L/minute. The sump overflowed and drained into another ditch, where it mixed and flowed with surface waters, towards the Quinsam River, approximately 835 m, measure from Google

Latitude: Degrees 49 Minutes 56 Seconds 28.6404

Longitude: Degrees -125 Minutes 27 Seconds 14.706

or

Site civic address or location: Street

City Postal Code

or

DLS or BCNTS (if applicable): Site ID number (if applicable): PE:7008

[1] For the definition of the *emergency response completion date*, please refer to B.C. Reg. 187/2017 Spill Reporting Regulation

Section V: Description of the source, type, and quantity of the spill
Section 6 (2) (e) (f) of the Spill Reporting Regulation

Description of the source of the spill (pipeline, rail, truck, facility, etc.):
Flooded coal mine.

Type of substance spilled (common name): Mine water with elevated sulphate, arsenic and iron.

United Nations (UN) number of substance spilled (if applicable): N/A

Item number from the table in the Schedule in the Spill Reporting Regulation: 9

Quantity (in litres or kilograms) of the substance spilled – if the quantity is unknown, provide a reasonable estimate and explain why the quantity is unknown and cannot be determined: Approximatly 1 L/ minute. The seepage was percolating from the ground. The discharge mixed with

Section VI: Description of the circumstances, cause, and impacts of the spill
Section 6 (2) (g) (i) (ii) (iii) of the Spill Reporting Regulation

Provide a description of the activity during which the spill occurred (transportation, transfer of cargo, fuelling, cleaning, maintenance, etc.):
Mine was flooded with water. Borehole leading into the mine workings had been capped and the casing around the borehole seeped water

Provide a description of the incident leading to the spill (tank rupture, overfill, collision, rollover, derailment, fire, explosion, etc.):
Water seeped up around the casing of the capped borehole.

Provide a description of the underlying cause of the spill (human error, external conditions, organizational or management failure, etc.):
The borehole had been identified as a potential area for mine water to exit the mine. The well was fitted with a tight fitting cap preventing water from overflowing. The pressurized borehole started to seep water from outside the casing

Section VII: Impacts to human health, the environment, and infrastructure
Section 6 (2) (g) (iv) (v) of the Spill Reporting Regulation

Describe any adverse effects of the spill on human health (please state 'N/A' if there were no adverse effects on human health): N/A

Number of people evacuated:N/A

Number of fatalities:N/A

Number of people injured:N/A

Describe any adverse impacts on infrastructure[2] (please state 'N/A' if there were no adverse impacts to infrastructure):
N/A

Impacts to water

Was there an impact to a body of water? ○ Yes ◉ No

[2] For the definition of *infrastructure,* refer to section 91.1 of the *Environmental Management Act 2003*

Description of impact:

The diluted mine water entered the Quinsam River after taking a flow path approximatly 835 m and mixing with other freshwater flowing on surface. Water chemisrty was collcted at the borehole (QU14-10) and downstream before entering the river at Q14DS2 and upstream and downstream on the Quinsam River.
There were no observed changes in the Quinsam River from this occurance. Dissolved copper was the only parameter that was elevated above chronic (0.0002 mg/L) Water Quality Guidelines (WQG) for Freshwater Aquatic Life, both upstream (0.00054 mg/L) and downstream (0.00053 mg/L) of the spill location on the Quinsam River. Copper naturally

Describe the body of water (stream, aquifer, fish habitat, naturally formed body of water, ditch, lake, etc.):

River- Fish Habitat

Name of body of water: Quinsam River

Impacts to the environment

Was there an impact on flora (vegetation)? ○ YES ◉ NO	If yes, list the common and species names:

Provide a description of the impact on flora (oiled, removed, etc.):

Was there an impact on fauna (animals)? ○ YES ◉ NO	If yes, list the common and species names:

Provide a description of impact on fauna (include injured, dead, etc.):

Was there an impact on aquatic and/or terrestrial habitats? ○ YES ◉ NO	If yes, list the type of habitat (riparian, breeding ground, etc.):

Provide a description of impact on aquatic and terrestrial habitats, including response actions taken to restore any of the impacts listed:

Section VIII: Spill response actions **Section 6 (2) (h) of the Spill Reporting Regulation**		
Action taken to comply with section 91.2 of the *Environmental Management Act 2003*	Who took the action (company, person, contractor, etc.)	Date that the action was taken (click the arrow or enter the date using the format YYYY-MM-DD)
Seepage idenitified. Provincial Emergency Program notified. Spill report number generated DGIR241338 – Inland.	Kathleen Russell	2024-03-27
Pumps turned on for dewatering underground.	Al Egon	2024-03-27
Water chemistry sampling of the flow path to the Quinsam River conducted at the borehole QU14-10 and downstream flow path Q14DS2. Rush analysis requested. Lab report number	Kathleen Russell	2024-03-27
Water chemistry sampling conducted upstream on Quinsam River (QRSD1) and downstream Quinsam River (7SQR). Rush analysis requested.	Kathleen Russell	2024-03-28
Mine dewatered below the borehole elevation. Seepage stopped. Drillwell contacted to seal the borehole and develop as a groudnwater well.	Kathleen Russell, John McCormac and Al Egon.	2024-03-28

Section IX: Waste disposal (please state 'N/A' if no waste was produced) **Section 6 (2) (i) of the Spill Reporting Regulation**		
List the type of waste	Method of disposal	Location of disposal
N/A	N/A	N/A

Section X: Attached reports, maps, and photographs **Section 6 (2) (j) (k) of the Spill Reporting Regulation**	
Report of results of sampling, testing, monitoring, and/or assessing carried out during spill response actions (including reports from Qualified Professionals), if applicable	Copy attached ☑
Map of the incident site and areas surrounding the incident site (required)	Copy attached ☑
Photographs of the spill (required)	Copy attached ☑

Section XI: Agencies on scene or notified **Section 6 (2) (l) (m) of the Spill Reporting Regulation**
List the names of all agencies that were at the incident site: N/A

List the names of other persons or agencies that were advised about the spill:
Dave Pridham - Environmental Emergency Response Officer
Recovery Specialist – Ashley Davidson,
Vancouver Island Health Authority,
First Nations Health Authority

Section XII: Additional comments

Section XIII: Verification of information provided

I confirm that the above information is true and complete.

Name of person completing form:	Date completed (YYYY-MM-DD)
Kathleen Russell	2024-03-01
Name of responsible person (person or company):	Date completed (YYYY-MM-DD)
MNP LTD	2024-03-01

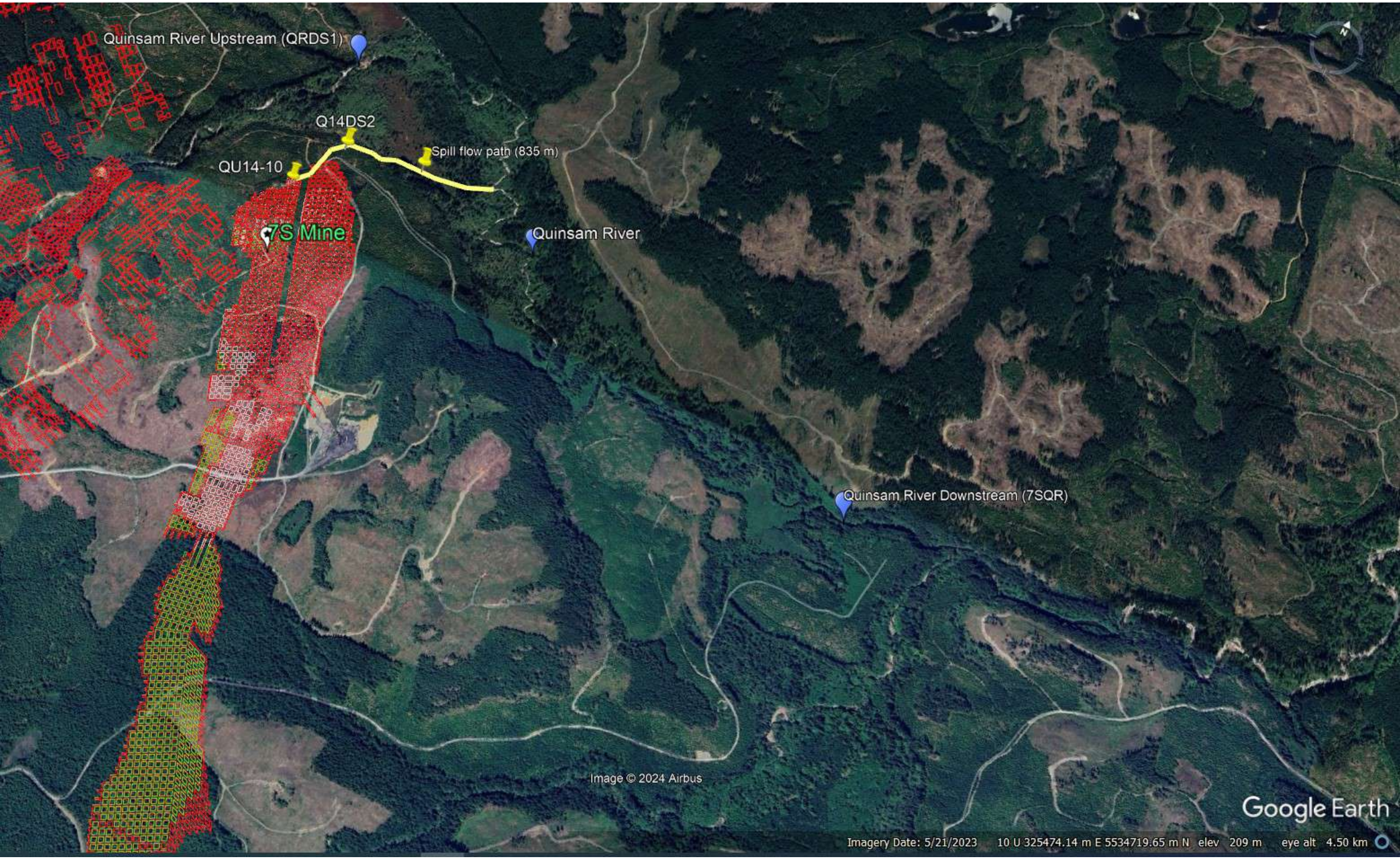
Section XIV: Approval - For internal use only

Reviewed by:	Date completed (YYYY-MM-DD)

Save Reset Form

Appendix 1

Site Map


Quinsam River Upstream (QRDS1)
Q14DS2
Spill flow path (835 m)
QU14-10
7S Mine
Quinsam River
Quinsam River Downstream (7SQR)
Image © 2024 Airbus
Google Earth
Imagery Date: 5/21/2023 10 U 325474.14 m E 5534719.65 m N elev 209 m eye alt 4.50 km

Appendix 2

Tables 1-6: QU14-10 Water Chemistry

Tables 7-16: 7SQR & QRDS1 Water Chemistry

Summary

Samples						Worksheets			
Borehole or Sample ID	*Sample ID*	*Sample Collection Date*	*Sample Depth*	*Bureau Veritas Job ID*	*Bureau Veritas Sample ID*	**Water**	Results	**Others**	Others
Downstream surface flow path before entering Quinsam River	Q14DS2-27MAR24-M	2024/03/27 12:00 AM	surface	C421882	CLK949		×		×
Lab Duplicate	Q14DS2-27MAR24-M Lab-Dup	2024/03/27 12:00 AM		C421882	CLK949		×		×
Borehole into 2-Mains 7-South Mine (QU14-10)	QU1410M1-27MAR24-M	2024/03/27 12:00 AM	surface	C421882	CLK948		×		×
Lab Duplicate	QU1410M1-27MAR24-M Lab-Dup	2024/03/27 12:00 AM		C421882	CLK948		×		×

Results

Parameter	Criteria [1]	Criteria [2]	Units	RDL	Sample ID			
					Bureau Veritas Job ID / Sample ID			
					Sample Collection Date			
					Sample Collection Time			
					Q14DS2-27MAR24-M C421882 / CLK949 3/27/2024	Q14DS2-27MAR24-M Lab-Dup C421882 / CLK949 3/27/2024	QU1410M1-27MAR24-M C421882 / CLK948 3/27/2024	QU1410M1-27MAR24-M Lab-Dup C421882 / CLK948 3/27/2024
Total Suspended Solids			mg/L		-	-	-	-
Conductivity			uS/cm		-	-	-	-
pH			pH		-	-	-	-
Acidity (pH 4.5)			mg/L	1.0	<1.0	-	<1.0	-
Acidity (pH 8.3)			mg/L	1.0	1.3	-	17.5	-
Alkalinity (PP as CaCO3)			mg/L	1.0	<1.0	-	<1.0	-
Alkalinity (Total as CaCO3)			mg/L	1.0	28	-	250	-
Bicarbonate (HCO3)			mg/L	1.0	34	-	310	-
Carbonate (CO3)			mg/L	1.0	<1.0	-	<1.0	-
Hydroxide (OH)			mg/L	1.0	<1.0	-	<1.0	-
Chloride (Cl)	600	1500	mg/L	1.0	<1.0	-	2.7	-
Sulphate (SO4)		1280	mg/L	5.0 - 25	270	-	**1300**	-
Total Hardness (CaCO3)			mg/L	0.50	257	-	1430	-
Total Aluminum (Al)			mg/L	0.0030 - 0.0060	0.0141	0.0135	0.609	-
Total Antimony (Sb)		0.09	mg/L	0.00050 - 0.0010	<0.00050	<0.00050	<0.0010	-
Total Arsenic (As)	0.005	0.05	mg/L	0.00010 - 0.00020	0.00021	0.0002	**0.0457**	-
Total Barium (Ba)		10	mg/L	0.0010 - 0.0020	0.0352	0.0354	0.0183	-
Total Beryllium (Be)		0.0015	mg/L	0.00010 - 0.00020	<0.00010	<0.00010	<0.00020	-
Total Bismuth (Bi)			mg/L	0.0010 - 0.0020	<0.0010	<0.0010	<0.0020	-
Total Boron (B)		12	mg/L	0.050 - 0.10	0.059	0.06	0.64	-
Total Cadmium (Cd)		0.0005	mg/L	0.000010 - 0.000020	<0.000010	<0.000010	<0.000020	-
Total Chromium (Cr)			mg/L	0.0010 - 0.0020	<0.0010	<0.0010	<0.0020	-
Total Cobalt (Co)	0.11	0.04	mg/L	0.00020 - 0.00040	<0.00020	<0.00020	0.00147	-
Total Copper (Cu)	0.003	0.02	mg/L	0.00050 - 0.0010	<0.00050	<0.00050	**0.0036**	-
Total Iron (Fe)	1		mg/L	0.010 - 0.020	<0.010	<0.010	**12.1**	-
Total Lead (Pb)	0.003	0.04	mg/L	0.00020 - 0.00040	<0.00020	<0.00020	<0.00040	-
Total Lithium (Li)			mg/L	0.0020 - 0.0040	<0.0020	<0.0020	0.0997	-
Total Manganese (Mn)	0.605		mg/L	0.0010 - 0.0020	<0.0010	<0.0010	**1.17**	-
Total Molybdenum (Mo)	2	10	mg/L	0.0010 - 0.0020	<0.0010	<0.0010	<0.0020	-
Total Nickel (Ni)		0.25	mg/L	0.0010 - 0.0020	<0.0010	<0.0010	0.0023	-
Total Selenium (Se)		0.02	mg/L	0.00010 - 0.00020	<0.00010	<0.00010	<0.00020	-
Total Silicon (Si)			mg/L	0.10 - 0.20	3.1	3.08	3.37	-
Total Silver (Ag)	0.00155	0.0005	mg/L	0.000020 - 0.000040	<0.000020	<0.000020	<0.000040	-
Total Strontium (Sr)			mg/L	0.0010 - 0.0020	0.393	0.395	3.16	-
Total Thallium (Tl)		0.003	mg/L	0.000010 - 0.000020	<0.000010	<0.000010	<0.000020	-
Total Tin (Sn)			mg/L	0.0050 - 0.010	<0.0050	<0.0050	<0.010	-
Total Titanium (Ti)		1	mg/L	0.0050 - 0.010	<0.0050	<0.0050	0.034	-
Total Uranium (U)		0.085	mg/L	0.00010 - 0.00020	<0.00010	<0.00010	0.0007	-
Total Vanadium (V)			mg/L	0.0050 - 0.010	<0.0050	<0.0050	<0.010	-
Total Zinc (Zn)	0.187	0.075	mg/L	0.0050 - 0.010	<0.0050	<0.0050	<0.010	-
Total Zirconium (Zr)			mg/L	0.00010 - 0.00020	<0.00010	<0.00010	0.00046	-
Total Calcium (Ca)			mg/L	0.050 - 0.10	70.9	-	414	-
Total Magnesium (Mg)			mg/L	0.050 - 0.10	19.5	-	96.3	-
Total Potassium (K)			mg/L	0.050 - 0.10	0.391	-	5.39	-
Total Sodium (Na)			mg/L	0.050 - 0.10	6.86	-	30.5	-
Total Sulphur (S)			mg/L	3.0 - 6.0	88.7	-	443	-
Dissolved Hardness (CaCO3)			mg/L	0.50	308	-	1560	-
Dissolved Aluminum (Al)	0.1		mg/L	0.0030 - 0.015	0.0168	-	<0.015	-
Dissolved Antimony (Sb)		0.09	mg/L	0.00050 - 0.0025	<0.00050	-	<0.0025	-
Dissolved Arsenic (As)	0.005	0.05	mg/L	0.00010 - 0.00050	0.00023	-	**0.0423**	-
Dissolved Barium (Ba)		10	mg/L	0.0010 - 0.0050	0.0414	-	0.0155	-
Dissolved Beryllium (Be)		0.0015	mg/L	0.00010 - 0.00050	<0.00010	-	<0.00050	-
Dissolved Bismuth (Bi)			mg/L	0.0010 - 0.0050	<0.0010	-	<0.0050	-
Dissolved Boron (B)		12	mg/L	0.050 - 0.25	0.07	-	0.8	-
Dissolved Cadmium (Cd)	0.00141	0.0005	mg/L	0.000010 - 0.000050	0.000021	-	<0.000050	-
Dissolved Chromium (Cr)			mg/L	0.0010 - 0.0050	<0.0010	-	<0.0050	-
Dissolved Cobalt (Co)	0.11	0.04	mg/L	0.00020 - 0.0010	<0.00020	-	<0.0010	-
Dissolved Copper (Cu)	0.0009	0.02	mg/L	0.00020 - 0.0010	0.00025	-	<0.0010	-
Dissolved Iron (Fe)	0.35		mg/L	0.0050 - 0.025	<0.0050	-	**10**	-
Dissolved Lead (Pb)	0.003	0.04	mg/L	0.00020 - 0.0010	<0.00020	-	<0.0010	-
Dissolved Lithium (Li)			mg/L	0.0020 - 0.010	<0.0020	-	0.121	-
Dissolved Manganese (Mn)	0.605		mg/L	0.0010 - 0.0050	<0.0010	-	**1.13**	-
Dissolved Molybdenum (Mo)	2	10	mg/L	0.0010 - 0.0050	<0.0010	-	<0.0050	-
Dissolved Nickel (Ni)		0.25	mg/L	0.0010 - 0.0050	<0.0010	-	<0.0050	-
Dissolved Selenium (Se)		0.02	mg/L	0.00010 - 0.00050	<0.00010	-	<0.00050	-
Dissolved Silicon (Si)			mg/L	0.10 - 0.50	3.54	-	2.56	-
Dissolved Silver (Ag)	0.00155	0.0005	mg/L	0.000020 - 0.00010	<0.000020	-	<0.00010	-
Dissolved Strontium (Sr)			mg/L	0.0010 - 0.0050	0.473	-	3.29	-
Dissolved Thallium (Tl)		0.003	mg/L	0.000010 - 0.000050	<0.000010	-	<0.000050	-
Dissolved Tin (Sn)			mg/L	0.0050 - 0.025	<0.0050	-	<0.025	-
Dissolved Titanium (Ti)		1	mg/L	0.0050 - 0.025	<0.0050	-	<0.025	-
Dissolved Uranium (U)		0.085	mg/L	0.00010 - 0.00050	<0.00010	-	0.00072	-
Dissolved Vanadium (V)			mg/L	0.0050 - 0.025	<0.0050	-	<0.025	-
Dissolved Zinc (Zn)	0.187	0.075	mg/L	0.0050 - 0.025	<0.0050	-	<0.025	-
Dissolved Zirconium (Zr)			mg/L	0.00010 - 0.00050	<0.00010	-	<0.00050	-
Dissolved Calcium (Ca)			mg/L	0.050 - 0.25	84	-	448	-
Dissolved Magnesium (Mg)			mg/L	0.050 - 0.25	23.9	-	108	-
Dissolved Potassium (K)			mg/L	0.050 - 0.25	0.467	-	5.77	-
Dissolved Sodium (Na)			mg/L	0.050 - 0.25	8.67	-	34.8	-
Dissolved Sulphur (S)			mg/L	3.0 - 15	105	-	482	-
Dissolved Organic Carbon (C)			mg/L	0.50	2	-	0.9	0.91
Nitrate plus Nitrite (N)			mg/L		-	-	-	-
Bromide (Br)			mg/L	0.010 - 0.10	<0.010	-	<0.10	<0.10
Dissolved Fluoride (F)	0.4	2	mg/L	0.050	<0.050	-	0.15	-

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	BC Approved WQG - MAX
Criteria 2	BC CSR Aquatic Life - LOW

Parameter	Criteria [1]	Criteria [2]	Units	RDL	Sample ID			
					Bureau Veritas Job ID / Sample ID			
					Sample Collection Date			
					Sample Collection Time			
					Q14DS2-27MAR24-M C421882 / CLK949 3/27/2024	Q14DS2-27MAR24-M Lab-Dup C421882 / CLK949 3/27/2024	QU1410M1-27MAR24-M C421882 / CLK948 3/27/2024	QU1410M1-27MAR24-M Lab-Dup C421882 / CLK948 3/27/2024
Others								
Turbidity			NTU	0.10	0.1	<0.10	41	-
Total Organic Carbon (C)			mg/L	0.50	1.7	-	0.96	0.88
Total Phosphorus (P)			mg/L	0.0030	<0.0030	-	0.0062	-
Dissolved Phosphorus (P)			mg/L	0.0030	<0.0030	-	0.0059	-
Dissolved Nitrogen (N)			mg/L	0.020	0.134	-	0.346	0.352
Total Ammonia (N)	12.276	1.31	mg/L	0.015	<0.015	-	0.16	-
Sulphide (as H2S)		0.02	mg/L	0.0020	<0.0020	-	0.0091	-
Total Sulphide		0.0188	mg/L	0.0018	<0.0018	-	0.0086	-

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	BC Approved WQG - MAX
Criteria 2	BC CSR Aquatic Life - LOW

Maximum Values Summary Table

Sample ID	Site	Bureau Veritas Sample ID	Bureau Veritas Job ID	Parameter	Matrix	Criteria 1	Criteria 2	Result	Units
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Acidity (pH 4.5)	Water			<1.0	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Acidity (pH 8.3)	Water			17.5	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Alkalinity (PP as CaCO3)	Water			<1.0	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Alkalinity (Total as CaCO3)	Water			250	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Bicarbonate (HCO3)	Water			310	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Carbonate (CO3)	Water			<1.0	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Hydroxide (OH)	Water			<1.0	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Chloride (Cl)	Water	600	1500	2.7	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Sulphate (SO4)	Water		1280	1300	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Hardness (CaCO3)	Water			1430	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Aluminum (Al)	Water			0.609	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Antimony (Sb)	Water		0.09	<0.0010	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Arsenic (As)	Water	0.005	0.05	0.0457	mg/L
Q14DS2-27MAR24-M Lab-Dup	Lab Duplicate	CLK949	C421882	Total Barium (Ba)	Water		10	0.0354	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Beryllium (Be)	Water		0.0015	<0.00020	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Bismuth (Bi)	Water			<0.0020	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Boron (B)	Water		12	0.64	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Cadmium (Cd)	Water		0.0005	<0.000020	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Chromium (Cr)	Water			<0.0020	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Cobalt (Co)	Water	0.11	0.04	0.00147	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Copper (Cu)	Water	0.003	0.02	0.0036	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Iron (Fe)	Water	1		12.1	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Lead (Pb)	Water	0.003	0.04	<0.00040	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Lithium (Li)	Water			0.0997	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Manganese (Mn)	Water	0.605		1.17	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Molybdenum (Mo)	Water	2	10	<0.0020	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Nickel (Ni)	Water		0.25	0.0023	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Selenium (Se)	Water		0.02	<0.00020	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Silicon (Si)	Water			3.37	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Silver (Ag)	Water	0.00155	0.0005	<0.000040	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Strontium (Sr)	Water			3.16	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Thallium (Tl)	Water		0.003	<0.000020	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Tin (Sn)	Water			<0.010	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Titanium (Ti)	Water		1	0.034	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Uranium (U)	Water		0.085	0.0007	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Vanadium (V)	Water			<0.010	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Zinc (Zn)	Water	0.187	0.075	<0.010	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Zirconium (Zr)	Water			0.00046	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Calcium (Ca)	Water			414	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Magnesium (Mg)	Water			96.3	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Potassium (K)	Water			5.39	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Sodium (Na)	Water			30.5	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Sulphur (S)	Water			443	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Hardness (CaCO3)	Water			1560	mg/L
Q14DS2-27MAR24-M	**Downstream flow path before river**	CLK949	C421882	Dissolved Aluminum (Al)	Water	0.1		0.0168	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Antimony (Sb)	Water		0.09	<0.0025	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Arsenic (As)	Water	0.005	0.05	0.0423	mg/L
Q14DS2-27MAR24-M	**Downstream flow path before river**	CLK949	C421882	Dissolved Barium (Ba)	Water		10	0.0414	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Beryllium (Be)	Water		0.0015	<0.00050	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Bismuth (Bi)	Water			<0.0050	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Boron (B)	Water		12	0.8	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Cadmium (Cd)	Water	0.00141	0.0005	<0.000050	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Chromium (Cr)	Water			<0.0050	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Cobalt (Co)	Water	0.11	0.04	<0.0010	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Copper (Cu)	Water	0.0009	0.02	<0.0010	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Iron (Fe)	Water	0.35		10	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Lead (Pb)	Water	0.003	0.04	<0.0010	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Lithium (Li)	Water			0.121	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Manganese (Mn)	Water	0.605		1.13	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Molybdenum (Mo)	Water	2	10	<0.0050	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Nickel (Ni)	Water		0.25	<0.0050	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Selenium (Se)	Water		0.02	<0.00050	mg/L
Q14DS2-27MAR24-M	**Downstream flow path before river**	CLK949	C421882	Dissolved Silicon (Si)	Water			3.54	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Silver (Ag)	Water	0.00155	0.0005	<0.00010	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Strontium (Sr)	Water			3.29	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Thallium (Tl)	Water		0.003	<0.000050	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Tin (Sn)	Water			<0.025	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Titanium (Ti)	Water		1	<0.025	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Uranium (U)	Water		0.085	0.00072	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Vanadium (V)	Water			<0.025	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Zinc (Zn)	Water	0.187	0.075	<0.025	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Zirconium (Zr)	Water			<0.00050	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Calcium (Ca)	Water			448	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Magnesium (Mg)	Water			108	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Potassium (K)	Water			5.77	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Sodium (Na)	Water			34.8	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Sulphur (S)	Water			482	mg/L
Q14DS2-27MAR24-M	**Downstream flow path before river**	CLK949	C421882	Dissolved Organic Carbon (C)	Water			2	mg/L
QU1410M1-27MAR24-M Lab-Dup	Lab Duplicate	CLK948	C421882	Bromide (Br)	Water			<0.10	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Fluoride (F)	Water	0.4	2	0.15	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Turbidity	Water			41	NTU
Q14DS2-27MAR24-M	**Downstream flow path before river**	CLK949	C421882	Total Organic Carbon (C)	Water			1.7	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Phosphorus (P)	Water			0.0062	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Phosphorus (P)	Water			0.0059	mg/L
QU1410M1-27MAR24-M Lab-Dup	Lab Duplicate	CLK948	C421882	Dissolved Nitrogen (N)	Water			0.352	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Ammonia (N)	Water	12.276	1.31	0.16	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Sulphide (as H2S)	Water		0.02	0.0091	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Sulphide	Water		0.0188	0.0086	mg/L

Legend	
To Be Announced	
Exceeds one Criteria	
Exceeds two Criteria	
DL > Criteria	
Criteria 1	
Criteria 2	

Minimum Values Summary Table

Sample ID	Site	Bureau Veritas Sample ID	Bureau Veritas Job ID	Parameter	Matrix	Criteria [1]	Criteria [2]	Result	Units
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Acidity (pH 4.5)	Water			<1.0	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Acidity (pH 8.3)	Water			1.3	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Alkalinity (PP as CaCO3)	Water			<1.0	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Alkalinity (Total as CaCO3)	Water			28	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Bicarbonate (HCO3)	Water			34	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Carbonate (CO3)	Water			<1.0	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Hydroxide (OH)	Water			<1.0	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Chloride (Cl)	Water	600	1500	<1.0	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Sulphate (SO4)	Water		1280	270	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Hardness (CaCO3)	Water			257	mg/L
Q14DS2-27MAR24-M Lab-Dup	Lab Duplicate	CLK949	C421882	Total Aluminum (Al)	Water			0.0135	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Antimony (Sb)	Water		0.09	<0.00050	mg/L
Q14DS2-27MAR24-M Lab-Dup	Lab Duplicate	CLK949	C421882	Total Arsenic (As)	Water	0.005	0.05	0.0002	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Total Barium (Ba)	Water		10	0.0183	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Beryllium (Be)	Water		0.0015	<0.00010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Bismuth (Bi)	Water			<0.0010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Boron (B)	Water		12	0.059	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Cadmium (Cd)	Water		0.0005	<0.000010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Chromium (Cr)	Water			<0.0010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Cobalt (Co)	Water	0.11	0.04	<0.00020	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Copper (Cu)	Water	0.003	0.02	<0.00050	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Iron (Fe)	Water	1		<0.010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Lead (Pb)	Water	0.003	0.04	<0.00020	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Lithium (Li)	Water			<0.0020	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Manganese (Mn)	Water	0.605		<0.0010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Molybdenum (Mo)	Water	2	10	<0.0010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Nickel (Ni)	Water		0.25	<0.0010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Selenium (Se)	Water		0.02	<0.00010	mg/L
Q14DS2-27MAR24-M Lab-Dup	Lab Duplicate	CLK949	C421882	Total Silicon (Si)	Water			3.08	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Silver (Ag)	Water	0.00155	0.0005	<0.000020	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Strontium (Sr)	Water			0.393	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Thallium (Tl)	Water		0.003	<0.000010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Tin (Sn)	Water			<0.0050	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Titanium (Ti)	Water		1	<0.0050	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Uranium (U)	Water		0.085	<0.00010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Vanadium (V)	Water			<0.0050	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Zinc (Zn)	Water	0.187	0.075	<0.0050	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Zirconium (Zr)	Water			<0.00010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Calcium (Ca)	Water			70.9	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Magnesium (Mg)	Water			19.5	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Potassium (K)	Water			0.391	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Sodium (Na)	Water			6.86	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Sulphur (S)	Water			88.7	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Hardness (CaCO3)	Water			308	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Aluminum (Al)	Water	0.1		<0.015	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Antimony (Sb)	Water		0.09	<0.00050	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Arsenic (As)	Water	0.005	0.05	0.00023	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Barium (Ba)	Water		10	0.0155	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Beryllium (Be)	Water		0.0015	<0.00010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Bismuth (Bi)	Water			<0.0010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Boron (B)	Water		12	0.07	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Cadmium (Cd)	Water	0.00141	0.0005	0.000021	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Chromium (Cr)	Water			<0.0010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Cobalt (Co)	Water	0.11	0.04	<0.00020	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Copper (Cu)	Water	0.0009	0.02	0.00025	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Iron (Fe)	Water	0.35		<0.0050	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Lead (Pb)	Water	0.003	0.04	<0.00020	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Lithium (Li)	Water			<0.0020	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Manganese (Mn)	Water	0.605		<0.0010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Molybdenum (Mo)	Water	2	10	<0.0010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Nickel (Ni)	Water		0.25	<0.0010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Selenium (Se)	Water		0.02	<0.00010	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Silicon (Si)	Water			2.56	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Silver (Ag)	Water	0.00155	0.0005	<0.000020	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Strontium (Sr)	Water			0.473	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Thallium (Tl)	Water		0.003	<0.000010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Tin (Sn)	Water			<0.0050	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Titanium (Ti)	Water		1	<0.0050	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Uranium (U)	Water		0.085	<0.00010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Vanadium (V)	Water			<0.0050	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Zinc (Zn)	Water	0.187	0.075	<0.0050	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Zirconium (Zr)	Water			<0.00010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Calcium (Ca)	Water			84	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Magnesium (Mg)	Water			23.9	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Potassium (K)	Water			0.467	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Sodium (Na)	Water			8.67	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Sulphur (S)	Water			105	mg/L
QU1410M1-27MAR24-M	Water percolating out around borehole	CLK948	C421882	Dissolved Organic Carbon (C)	Water			0.9	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Bromide (Br)	Water			<0.010	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Fluoride (F)	Water	0.4	2	<0.050	mg/L
Q14DS2-27MAR24-M Lab-Dup	Lab Duplicate	CLK949	C421882	Turbidity	Water			<0.10	NTU
QU1410M1-27MAR24-M Lab-Dup	Lab Duplicate	CLK948	C421882	Total Organic Carbon (C)	Water			0.88	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Phosphorus (P)	Water			<0.0030	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Phosphorus (P)	Water			<0.0030	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Dissolved Nitrogen (N)	Water			0.134	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Ammonia (N)	Water	12.276	1.31	<0.015	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Sulphide (as H2S)	Water		0.02	<0.0020	mg/L
Q14DS2-27MAR24-M	Downstream flow path before river	CLK949	C421882	Total Sulphide	Water		0.0188	<0.0018	mg/L

Legend	
To Be Announced	TBA
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Criteria 1	BC Approved WQG - MAX
Criteria 2	BC CSR Aquatic Life - LOW

Exceedance Summary Table

Results

Criteria Name	Sample ID	Bureau Veritas Sample ID	Bureau Veritas Job ID	Parameter	Criteria	Result	DL	Units
BC Approved WQG - MAX	QU1410M1-27MAR24-M	CLK948	C421882	Total Arsenic (As)	0.005	0.0457	0.0002	mg/L
BC Approved WQG - MAX	QU1410M1-27MAR24-M	CLK948	C421882	Total Copper (Cu)	0.003	0.0036	0.001	mg/L
BC Approved WQG - MAX	QU1410M1-27MAR24-M	CLK948	C421882	Total Iron (Fe)	1	12.1	0.02	mg/L
BC Approved WQG - MAX	QU1410M1-27MAR24-M	CLK948	C421882	Total Manganese (Mn)	0.605	1.17	0.002	mg/L
BC Approved WQG - MAX	QU1410M1-27MAR24-M	CLK948	C421882	Dissolved Arsenic (As)	0.005	0.0423	0.0005	mg/L
BC Approved WQG - MAX	QU1410M1-27MAR24-M	CLK948	C421882	Dissolved Iron (Fe)	0.35	10	0.025	mg/L
BC Approved WQG - MAX	QU1410M1-27MAR24-M	CLK948	C421882	Dissolved Manganese (Mn)	0.605	1.13	0.005	mg/L
BC CSR Aquatic Life - LOW	QU1410M1-27MAR24-M	CLK948	C421882	Sulphate (SO4)	1280	1300	25	mg/L

Detection Limits

Criteria Name	Sample ID	Bureau Veritas Sample ID	Bureau Veritas Job ID	Parameter	Criteria	Result	DL	Units
BC Approved WQG - MAX	QU1410M1-27MAR24-M	CLK948	C421882	Dissolved Copper (Cu)	0.0009	<0.0010	0.001	mg/L

Summary of Analysis Dates

Sample ID	Project	Site	Bureau Veritas Sample ID	Bureau Veritas Job ID	Date Sampled	Time Sampled	Date Range: Extracted	Date Range: Analyzed
Q14DS2-27MAR24-M	GROUNDWATER		CLK949	C421882	2024/03/27		2024/03/28 - 2024/04/02	2024/03/28 - 2024/04/02
QU1410M1-27MAR24-M	GROUNDWATER		CLK948	C421882	2024/03/27		2024/03/28 - 2024/04/02	2024/03/28 - 2024/04/02

Summary

Samples					***Worksheets***			
Quinsam River	*Sample ID*	*Sample Collection Date*	*Bureau Veritas Job ID*	*Bureau Veritas Sample ID*	**Soil**	Moisture	**Others**	Others
Downstream	7SQR-28MAR24-M	Thursday, March 28, 2024	C422388	CLN221				×
Downstream	7SQR-28MAR24-M Lab-Dup	Thursday, March 28, 2024	C422388	CLN221				×
Upstream	QRDS1-28MAR24-M	Thursday, March 28, 2024	C422388	CLN222				×
Downstream	7SQR-3APR24-M	Wednesday, April 3, 2024	C423495	CLR639				×
Downstream	7SQR-3APR24-M Lab-Dup	Wednesday, April 3, 2024	C423495	CLR639				×
Upstream	QRDS1-3APR24-M	Wednesday, April 3, 2024	C423495	CLR645				×
Downstream	7SQR-8APR24-M	Monday, April 8, 2024	C424469	CLW646				×
Upstream	QRDS1-8APR24-M	Monday, April 8, 2024	C424469	CLW651				×
Downstream	7SQR-15APR24-M	Monday, April 15, 2024	C426192	CMD823				×
Upstream	QRDS1-15APR24-M	Monday, April 15, 2024	C426192	CMD828				×
Upstream	QRDS1-15APR24-R	Monday, April 15, 2024	C426192	CMD829				×

Sample ID								
Bureau Veritas Job ID / Sample ID								
Sample Collection Date								
Sample Collection Time								
Parameter	***Criteria*** [1]	***Criteria*** [2]	***Units***	***RDL***	7SQR-28MAR24-M C422388 / CLN221 3/28/2024	7SQR-28MAR24-M Lab-Dup C422388 / CLN221 3/28/2024	QRDS1-28MAR24-M C422388 / CLN222 3/28/2024	7SQR-3APR24-M C423495 / CLR639 4/3/2024
Others								
Total Suspended Solids			mg/L	1.0	<1.0	-	<1.0	1.6
Conductivity			uS/cm	2.0	140	140	140	130
pH			pH		7.12	7.13	7.16	6.98
Acidity (pH 4.5)			mg/L	1.0	<1.0	<1.0	<1.0	<1.0
Acidity (pH 8.3)			mg/L	1.0	<1.0	<1.0	<1.0	<1.0
Alkalinity (PP as CaCO3)			mg/L	1.0	<1.0	<1.0	<1.0	<1.0
Alkalinity (Total as CaCO3)			mg/L	1.0	35	36	37	37
Bicarbonate (HCO3)			mg/L	1.0	43	44	45	45
Carbonate (CO3)			mg/L	1.0	<1.0	<1.0	<1.0	<1.0
Hydroxide (OH)			mg/L	1.0	<1.0	<1.0	<1.0	<1.0
Chloride (Cl)	150	600	mg/L	1.0	<1.0	-	<1.0	<1.0
Sulphate (SO4)	302.6		mg/L	1.0	24	-	24	25
Total Hardness (CaCO3)			mg/L	0.50	33.7	-	32	32.1
Total Aluminum (Al)			ug/L	3.0	26.9	-	22.3	26.6
Total Antimony (Sb)			ug/L	0.50	<0.50	-	<0.50	<0.50
Total Arsenic (As)		5	ug/L	0.10	0.53	-	0.52	0.54
Total Barium (Ba)			ug/L	1.0	2.8	-	2.5	2.5
Total Beryllium (Be)			ug/L	0.10	<0.10	-	<0.10	<0.10
Total Bismuth (Bi)			ug/L	1.0	<1.0	-	<1.0	<1.0
Total Boron (B)	1200		ug/L	50	<50	-	<50	51
Total Cadmium (Cd)			ug/L	0.010	<0.010	-	<0.010	<0.010
Total Chromium (Cr)			ug/L	1.0	<1.0	-	<1.0	<1.0
Total Cobalt (Co)	4	110	ug/L	0.20	<0.20	-	<0.20	<0.20
Total Copper (Cu)	2	3	ug/L	0.50	<0.50	-	<0.50	0.57
Total Iron (Fe)		1000	ug/L	10	71	-	38	68
Total Lead (Pb)	2	3	ug/L	0.20	<0.20	-	<0.20	<0.20
Total Lithium (Li)			ug/L	2.0	<2.0	-	<2.0	<2.0
Total Manganese (Mn)	605	605	ug/L	1.0	4.4	-	2.6	4.3
Total Molybdenum (Mo)	1000	2000	ug/L	1.0	<1.0	-	<1.0	<1.0
Total Nickel (Ni)			ug/L	1.0	<1.0	-	<1.0	<1.0
Total Selenium (Se)	2		ug/L	0.10	<0.10	-	<0.10	<0.10
Total Silicon (Si)			ug/L	100	2190	-	1950	2180
Total Silver (Ag)	0.775	1.55	ug/L	0.020	<0.020	-	<0.020	<0.020
Total Strontium (Sr)			ug/L	1.0	58.5	-	56.8	54.3
Total Thallium (Tl)			ug/L	0.010	<0.010	-	<0.010	<0.010
Total Tin (Sn)			ug/L	5.0	<5.0	-	<5.0	<5.0
Total Titanium (Ti)			ug/L	5.0	<5.0	-	<5.0	<5.0
Total Uranium (U)			ug/L	0.10	<0.10	-	<0.10	<0.10
Total Vanadium (V)			ug/L	5.0	<5.0	-	<5.0	<5.0
Total Zinc (Zn)	97.75	187	ug/L	5.0	<5.0	-	<5.0	<5.0
Total Zirconium (Zr)			ug/L	0.10	<0.10	-	<0.10	<0.10
Total Calcium (Ca)			mg/L	0.050	11.2	-	10.6	10.5
Total Magnesium (Mg)			mg/L	0.050	1.42	-	1.32	1.45
Total Potassium (K)			mg/L	0.050	0.201	-	0.198	0.205
Total Sodium (Na)			mg/L	0.050	10.8	-	10.9	11
Total Sulphur (S)			mg/L	3.0	8	-	7.7	7.9

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	BC Approved WQG - AVE
Criteria 2	BC Approved WQG - MAX

Sample ID							
Bureau Veritas Job ID / Sample ID							
Sample Collection Date							
Sample Collection Time							
Parameter	***Criteria [1]***	***Criteria [2]***	***Units***	***RDL***	QRDS1-3APR24-M C423495 / CLR645 4/3/2024	7SQR-8APR24-M C424469 / CLW646 4/8/2024	QRDS1-8APR24-M C424469 / CLW651 4/8/2024
Others							
Total Suspended Solids			mg/L	1.0	<1.0	<1.0	<1.0
Conductivity			uS/cm	2.0	140	140	140
pH			pH		7.01	6.96	7.18
Acidity (pH 4.5)			mg/L	1.0	<1.0	<1.0	<1.0
Acidity (pH 8.3)			mg/L	1.0	<1.0	<1.0	<1.0
Alkalinity (PP as CaCO3)			mg/L	1.0	<1.0	<1.0	<1.0
Alkalinity (Total as CaCO3)			mg/L	1.0	37	37	38
Bicarbonate (HCO3)			mg/L	1.0	45	46	46
Carbonate (CO3)			mg/L	1.0	<1.0	<1.0	<1.0
Hydroxide (OH)			mg/L	1.0	<1.0	<1.0	<1.0
Chloride (Cl)	150	600	mg/L	1.0	<1.0	<1.0	<1.0
Sulphate (SO4)	302.6		mg/L	1.0	27	26	27
Total Hardness (CaCO3)			mg/L	0.50	33.3	36.3	36
Total Aluminum (Al)			ug/L	3.0	21.2	24.6	20.8
Total Antimony (Sb)			ug/L	0.50	<0.50	<0.50	<0.50
Total Arsenic (As)		5	ug/L	0.10	0.55	0.6	0.6
Total Barium (Ba)			ug/L	1.0	2.4	2.5	2.4
Total Beryllium (Be)			ug/L	0.10	<0.10	<0.10	<0.10
Total Bismuth (Bi)			ug/L	1.0	<1.0	<1.0	<1.0
Total Boron (B)	1200		ug/L	50	54	54	53
Total Cadmium (Cd)			ug/L	0.010	<0.010	<0.010	<0.010
Total Chromium (Cr)			ug/L	1.0	<1.0	<1.0	<1.0
Total Cobalt (Co)	4	110	ug/L	0.20	<0.20	<0.20	<0.20
Total Copper (Cu)	2	3	ug/L	0.50	0.58	0.55	0.53
Total Iron (Fe)		1000	ug/L	10	34	71	37
Total Lead (Pb)	2	3	ug/L	0.20	<0.20	<0.20	<0.20
Total Lithium (Li)			ug/L	2.0	<2.0	<2.0	<2.0
Total Manganese (Mn)	605	605	ug/L	1.0	2.8	4.5	3
Total Molybdenum (Mo)	1000	2000	ug/L	1.0	<1.0	<1.0	<1.0
Total Nickel (Ni)			ug/L	1.0	<1.0	<1.0	<1.0
Total Selenium (Se)	2		ug/L	0.10	<0.10	<0.10	<0.10
Total Silicon (Si)			ug/L	100	2110	2160	2060
Total Silver (Ag)	0.775	1.55	ug/L	0.020	<0.020	<0.020	<0.020
Total Strontium (Sr)			ug/L	1.0	56.7	61.8	63
Total Thallium (Tl)			ug/L	0.010	<0.010	<0.010	<0.010
Total Tin (Sn)			ug/L	5.0	<5.0	<5.0	<5.0
Total Titanium (Ti)			ug/L	5.0	<5.0	<5.0	<5.0
Total Uranium (U)			ug/L	0.10	<0.10	<0.10	<0.10
Total Vanadium (V)			ug/L	5.0	<5.0	<5.0	<5.0
Total Zinc (Zn)	97.75	187	ug/L	5.0	<5.0	<5.0	<5.0
Total Zirconium (Zr)			ug/L	0.10	<0.10	<0.10	<0.10
Total Calcium (Ca)			mg/L	0.050	10.9	11.9	11.8
Total Magnesium (Mg)			mg/L	0.050	1.49	1.57	1.56
Total Potassium (K)			mg/L	0.050	0.21	0.22	0.218
Total Sodium (Na)			mg/L	0.050	11.5	12.4	12.3
Total Sulphur (S)			mg/L	3.0	8.3	8.6	8.6

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	BC Approved WQG - AVE
Criteria 2	BC Approved WQG - MAX

Sample ID							
Bureau Veritas Job ID / Sample ID							
Sample Collection Date							
Sample Collection Time							
Parameter	***Criteria [1]***	***Criteria [2]***	***Units***	***RDL***	7SQR-15APR24-M C426192 / CMD823 4/15/2024	QRDS1-15APR24-M C426192 / CMD828 4/15/2024	QRDS1-15APR24-R C426192 / CMD829 4/15/2024
Others							
Total Suspended Solids			mg/L	1.0	<1.0	<1.0	<1.0
Conductivity			uS/cm	2.0	140	140	140
pH			pH		6.87	6.99	7.03
Acidity (pH 4.5)			mg/L	1.0	<1.0	<1.0	<1.0
Acidity (pH 8.3)			mg/L	1.0	<1.0	<1.0	<1.0
Alkalinity (PP as CaCO3)			mg/L	1.0	<1.0	<1.0	<1.0
Alkalinity (Total as CaCO3)			mg/L	1.0	37	38	38
Bicarbonate (HCO3)			mg/L	1.0	46	46	47
Carbonate (CO3)			mg/L	1.0	<1.0	<1.0	<1.0
Hydroxide (OH)			mg/L	1.0	<1.0	<1.0	<1.0
Chloride (Cl)	150	600	mg/L	1.0	<1.0	<1.0	<1.0
Sulphate (SO4)	302.6		mg/L	1.0	25	25	25
Total Hardness (CaCO3)			mg/L	0.50	30.6	31.4	28.7
Total Aluminum (Al)			ug/L	3.0	22.3	18.5	20
Total Antimony (Sb)			ug/L	0.50	<0.50	<0.50	<0.50
Total Arsenic (As)		5	ug/L	0.10	0.52	0.56	0.54
Total Barium (Ba)			ug/L	1.0	2.2	2.2	2
Total Beryllium (Be)			ug/L	0.10	<0.10	<0.10	<0.10
Total Bismuth (Bi)			ug/L	1.0	<1.0	<1.0	<1.0
Total Boron (B)	1200		ug/L	50	<50	<50	<50
Total Cadmium (Cd)			ug/L	0.010	<0.010	<0.010	<0.010
Total Chromium (Cr)			ug/L	1.0	<1.0	<1.0	<1.0
Total Cobalt (Co)	4	110	ug/L	0.20	<0.20	<0.20	<0.20
Total Copper (Cu)	2	3	ug/L	0.50	<0.50	0.52	<0.50
Total Iron (Fe)		1000	ug/L	10	67	32	38
Total Lead (Pb)	2	3	ug/L	0.20	<0.20	<0.20	<0.20
Total Lithium (Li)			ug/L	2.0	<2.0	<2.0	<2.0
Total Manganese (Mn)	605	605	ug/L	1.0	4.1	3	3.2
Total Molybdenum (Mo)	1000	2000	ug/L	1.0	<1.0	<1.0	<1.0
Total Nickel (Ni)			ug/L	1.0	<1.0	<1.0	<1.0
Total Selenium (Se)	2		ug/L	0.10	<0.10	<0.10	<0.10
Total Silicon (Si)			ug/L	100	2030	1960	1800
Total Silver (Ag)	0.775	1.55	ug/L	0.020	<0.020	<0.020	<0.020
Total Strontium (Sr)			ug/L	1.0	49.7	53.1	48.2
Total Thallium (Tl)			ug/L	0.010	<0.010	<0.010	<0.010
Total Tin (Sn)			ug/L	5.0	<5.0	<5.0	<5.0
Total Titanium (Ti)			ug/L	5.0	<5.0	<5.0	<5.0
Total Uranium (U)			ug/L	0.10	<0.10	<0.10	<0.10
Total Vanadium (V)			ug/L	5.0	<5.0	<5.0	<5.0
Total Zinc (Zn)	97.75	187	ug/L	5.0	<5.0	<5.0	<5.0
Total Zirconium (Zr)			ug/L	0.10	<0.10	<0.10	<0.10
Total Calcium (Ca)			mg/L	0.050	10.1	10.2	9.39
Total Magnesium (Mg)			mg/L	0.050	1.34	1.42	1.27
Total Potassium (K)			mg/L	0.050	0.202	0.216	0.195
Total Sodium (Na)			mg/L	0.050	10.8	11.6	10.7
Total Sulphur (S)			mg/L	3.0	7.6	7.9	7.3

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	BC Approved WQG - AVE
Criteria 2	BC Approved WQG - MAX

Sample ID								
Bureau Veritas Job ID / Sample ID								
Sample Collection Date								
Sample Collection Time								
Parameter	***Criteria*** [1]	***Criteria*** [2]	***Units***	***RDL***	7SQR-28MAR24-M C422388 / CLN221 3/28/2024	7SQR-28MAR24-M Lab-Dup C422388 / CLN221 3/28/2024	QRDS1-28MAR24-M C422388 / CLN222 3/28/2024	7SQR-3APR24-M C423495 / CLR639 4/3/2024
Others								
Dissolved Hardness (CaCO3)			mg/L	0.50	35.9	-	35	34.8
Dissolved Aluminum (Al)	50	100	ug/L	3.0	19.4	-	18.1	20.2
Dissolved Antimony (Sb)			ug/L	0.50	<0.50	-	<0.50	<0.50
Dissolved Arsenic (As)		5	ug/L	0.10	0.53	-	0.52	0.54
Dissolved Barium (Ba)			ug/L	1.0	2.7	-	2.5	2.7
Dissolved Beryllium (Be)			ug/L	0.10	<0.10	-	<0.10	<0.10
Dissolved Bismuth (Bi)			ug/L	1.0	<1.0	-	<1.0	<1.0
Dissolved Boron (B)	1200		ug/L	50	<50	-	50	52
Dissolved Cadmium (Cd)	0.24	1.41	ug/L	0.010	<0.010	-	<0.010	<0.010
Dissolved Chromium (Cr)			ug/L	1.0	<1.0	-	<1.0	<1.0
Dissolved Cobalt (Co)	4	110	ug/L	0.20	<0.20	-	<0.20	<0.20
Dissolved Copper (Cu)	0.2	0.9	ug/L	0.20	**0.53**	-	**0.54**	**0.54**
Dissolved Iron (Fe)		350	ug/L	5.0	54.9	-	24.3	47.5
Dissolved Lead (Pb)	2	3	ug/L	0.20	<0.20	-	<0.20	<0.20
Dissolved Lithium (Li)			ug/L	2.0	<2.0	-	<2.0	<2.0
Dissolved Manganese (Mn)	605	605	ug/L	1.0	4.1	-	1.9	4
Dissolved Molybdenum (Mo)	1000	2000	ug/L	1.0	<1.0	-	<1.0	<1.0
Dissolved Nickel (Ni)			ug/L	1.0	<1.0	-	<1.0	<1.0
Dissolved Selenium (Se)	2		ug/L	0.10	<0.10	-	<0.10	<0.10
Dissolved Silicon (Si)			ug/L	100	2670	-	2460	2300
Dissolved Silver (Ag)	0.775	1.55	ug/L	0.020	<0.020	-	<0.020	<0.020
Dissolved Strontium (Sr)			ug/L	1.0	58.5	-	59	59.5
Dissolved Thallium (Tl)			ug/L	0.010	<0.010	-	<0.010	<0.010
Dissolved Tin (Sn)			ug/L	5.0	<5.0	-	<5.0	<5.0
Dissolved Titanium (Ti)			ug/L	5.0	<5.0	-	<5.0	<5.0
Dissolved Uranium (U)			ug/L	0.10	<0.10	-	<0.10	<0.10
Dissolved Vanadium (V)			ug/L	5.0	<5.0	-	<5.0	<5.0
Dissolved Zinc (Zn)	97.75	187	ug/L	5.0	<5.0	-	<5.0	<5.0
Dissolved Zirconium (Zr)			ug/L	0.10	<0.10	-	<0.10	<0.10
Dissolved Calcium (Ca)			mg/L	0.050	11.7	-	11.4	11.4
Dissolved Magnesium (Mg)			mg/L	0.050	1.63	-	1.56	1.55
Dissolved Potassium (K)			mg/L	0.050	0.212	-	0.218	0.226
Dissolved Sodium (Na)			mg/L	0.050	11.7	-	12.6	11.9
Dissolved Sulphur (S)			mg/L	3.0	8.8	-	8.7	8.8
Dissolved Organic Carbon (C)			mg/L	0.50	2.6	2.6	2.8	2.9
Nitrate plus Nitrite (N)			mg/L	0.020	-	-	-	-
Bromide (Br)			mg/L	0.010	-	-	-	-
Dissolved Fluoride (F)	0.4	0.4	mg/L	0.050	-	-	-	-

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	BC Approved WQG - AVE
Criteria 2	BC Approved WQG - MAX

Sample ID							
Bureau Veritas Job ID / Sample ID							
Sample Collection Date							
Sample Collection Time							
Parameter	***Criteria*** [1]	***Criteria*** [2]	***Units***	***RDL***	QRDS1-3APR24-M C423495 / CLR645 4/3/2024	7SQR-8APR24-M C424469 / CLW646 4/8/2024	QRDS1-8APR24-M C424469 / CLW651 4/8/2024
Others							
Dissolved Hardness (CaCO3)			mg/L	0.50	36.1	35.9	36.4
Dissolved Aluminum (Al)	50	100	ug/L	3.0	17.4	16.6	17.4
Dissolved Antimony (Sb)			ug/L	0.50	<0.50	<0.50	<0.50
Dissolved Arsenic (As)		5	ug/L	0.10	0.53	0.55	0.53
Dissolved Barium (Ba)			ug/L	1.0	2.6	2.7	2.5
Dissolved Beryllium (Be)			ug/L	0.10	<0.10	<0.10	<0.10
Dissolved Bismuth (Bi)			ug/L	1.0	<1.0	<1.0	<1.0
Dissolved Boron (B)	1200		ug/L	50	52	53	52
Dissolved Cadmium (Cd)	0.24	1.41	ug/L	0.010	<0.010	<0.010	<0.010
Dissolved Chromium (Cr)			ug/L	1.0	<1.0	<1.0	<1.0
Dissolved Cobalt (Co)	4	110	ug/L	0.20	<0.20	<0.20	<0.20
Dissolved Copper (Cu)	0.2	0.9	ug/L	0.20	**0.51**	**0.52**	**0.52**
Dissolved Iron (Fe)		350	ug/L	5.0	22.5	44.3	23.3
Dissolved Lead (Pb)	2	3	ug/L	0.20	<0.20	<0.20	<0.20
Dissolved Lithium (Li)			ug/L	2.0	<2.0	<2.0	<2.0
Dissolved Manganese (Mn)	605	605	ug/L	1.0	1.8	3.5	1.6
Dissolved Molybdenum (Mo)	1000	2000	ug/L	1.0	<1.0	<1.0	<1.0
Dissolved Nickel (Ni)			ug/L	1.0	<1.0	<1.0	<1.0
Dissolved Selenium (Se)	2		ug/L	0.10	<0.10	<0.10	<0.10
Dissolved Silicon (Si)			ug/L	100	2210	2300	2230
Dissolved Silver (Ag)	0.775	1.55	ug/L	0.020	<0.020	<0.020	<0.020
Dissolved Strontium (Sr)			ug/L	1.0	62.2	64.9	67.8
Dissolved Thallium (Tl)			ug/L	0.010	<0.010	<0.010	<0.010
Dissolved Tin (Sn)			ug/L	5.0	<5.0	<5.0	<5.0
Dissolved Titanium (Ti)			ug/L	5.0	<5.0	<5.0	<5.0
Dissolved Uranium (U)			ug/L	0.10	<0.10	<0.10	<0.10
Dissolved Vanadium (V)			ug/L	5.0	<5.0	<5.0	<5.0
Dissolved Zinc (Zn)	97.75	187	ug/L	5.0	<5.0	<5.0	<5.0
Dissolved Zirconium (Zr)			ug/L	0.10	<0.10	<0.10	<0.10
Dissolved Calcium (Ca)			mg/L	0.050	11.8	11.8	12
Dissolved Magnesium (Mg)			mg/L	0.050	1.59	1.55	1.58
Dissolved Potassium (K)			mg/L	0.050	0.23	0.229	0.231
Dissolved Sodium (Na)			mg/L	0.050	12.5	12.3	12.7
Dissolved Sulphur (S)			mg/L	3.0	9.2	8.9	9.8
Dissolved Organic Carbon (C)			mg/L	0.50	2.8	2.5	2.8
Nitrate plus Nitrite (N)			mg/L	0.020	-	<0.020	<0.020
Bromide (Br)			mg/L	0.010	-	<0.010	<0.010
Dissolved Fluoride (F)	0.4	0.4	mg/L	0.050	-	<0.050	<0.050

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	BC Approved WQG - AVE
Criteria 2	BC Approved WQG - MAX

Sample ID							
Bureau Veritas Job ID / Sample ID							
Sample Collection Date							
Sample Collection Time							
Parameter	***Criteria*** [1]	***Criteria*** [2]	***Units***	***RDL***	7SQR-15APR24-M C426192 / CMD823 4/15/2024	QRDS1-15APR24-M C426192 / CMD828 4/15/2024	QRDS1-15APR24-R C426192 / CMD829 4/15/2024
Others							
Dissolved Hardness (CaCO3)			mg/L	0.50	33.8	33.8	35.1
Dissolved Aluminum (Al)	50	100	ug/L	3.0	14.5	14.8	14.6
Dissolved Antimony (Sb)			ug/L	0.50	<0.50	<0.50	<0.50
Dissolved Arsenic (As)		5	ug/L	0.10	0.52	0.48	0.49
Dissolved Barium (Ba)			ug/L	1.0	2.5	2.4	2.3
Dissolved Beryllium (Be)			ug/L	0.10	<0.10	<0.10	<0.10
Dissolved Bismuth (Bi)			ug/L	1.0	<1.0	<1.0	<1.0
Dissolved Boron (B)	1200		ug/L	50	<50	<50	51
Dissolved Cadmium (Cd)	0.24	1.41	ug/L	0.010	<0.010	<0.010	<0.010
Dissolved Chromium (Cr)			ug/L	1.0	<1.0	<1.0	<1.0
Dissolved Cobalt (Co)	4	110	ug/L	0.20	<0.20	<0.20	<0.20
Dissolved Copper (Cu)	0.2	0.9	ug/L	0.20	**0.52**	**0.55**	**0.52**
Dissolved Iron (Fe)		350	ug/L	5.0	43.4	21.4	21.3
Dissolved Lead (Pb)	2	3	ug/L	0.20	<0.20	<0.20	<0.20
Dissolved Lithium (Li)			ug/L	2.0	<2.0	<2.0	<2.0
Dissolved Manganese (Mn)	605	605	ug/L	1.0	3.5	1.7	1.6
Dissolved Molybdenum (Mo)	1000	2000	ug/L	1.0	<1.0	<1.0	<1.0
Dissolved Nickel (Ni)			ug/L	1.0	<1.0	<1.0	<1.0
Dissolved Selenium (Se)	2		ug/L	0.10	<0.10	<0.10	<0.10
Dissolved Silicon (Si)			ug/L	100	2100	2030	2130
Dissolved Silver (Ag)	0.775	1.55	ug/L	0.020	<0.020	<0.020	<0.020
Dissolved Strontium (Sr)			ug/L	1.0	56.7	56.9	57
Dissolved Thallium (Tl)			ug/L	0.010	<0.010	<0.010	<0.010
Dissolved Tin (Sn)			ug/L	5.0	<5.0	<5.0	<5.0
Dissolved Titanium (Ti)			ug/L	5.0	<5.0	<5.0	<5.0
Dissolved Uranium (U)			ug/L	0.10	<0.10	<0.10	<0.10
Dissolved Vanadium (V)			ug/L	5.0	<5.0	<5.0	<5.0
Dissolved Zinc (Zn)	97.75	187	ug/L	5.0	<5.0	<5.0	<5.0
Dissolved Zirconium (Zr)			ug/L	0.10	<0.10	<0.10	<0.10
Dissolved Calcium (Ca)			mg/L	0.050	11.1	11.1	11.6
Dissolved Magnesium (Mg)			mg/L	0.050	1.49	1.46	1.47
Dissolved Potassium (K)			mg/L	0.050	0.216	0.22	0.221
Dissolved Sodium (Na)			mg/L	0.050	11.9	12.5	12.6
Dissolved Sulphur (S)			mg/L	3.0	8.2	8.3	8.5
Dissolved Organic Carbon (C)			mg/L	0.50	2.4	2.5	2.3
Nitrate plus Nitrite (N)			mg/L	0.020	-	-	-
Bromide (Br)			mg/L	0.010	-	-	-
Dissolved Fluoride (F)	0.4	0.4	mg/L	0.050	-	-	-

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	BC Approved WQG - AVE
Criteria 2	BC Approved WQG - MAX

Maximum Values Summary Table

Sample ID	Project	Bureau Veritas Sample ID	Bureau Veritas Job ID	Parameter	Matrix	Criteria [1]	Criteria [2]	Result	Units
7SQR-3APR24-M	RIVER'S WEEK 2 SPRING	CLR639	C423495	Total Suspended Solids	Water			1.6	mg/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Conductivity	Water			140	uS/cm
QRDS1-8APR24-M	RIVER'S WEEK 3 SPRING	CLW651	C424469	pH	Water			7.18	pH
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Acidity (pH 4.5)	Water			<1.0	mg/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Acidity (pH 8.3)	Water			<1.0	mg/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Alkalinity (PP as CaCO3)	Water			<1.0	mg/L
QRDS1-8APR24-M	RIVER'S WEEK 3 SPRING	CLW651	C424469	Alkalinity (Total as CaCO3)	Water			38	mg/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Bicarbonate (HCO3)	Water			47	mg/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Carbonate (CO3)	Water			<1.0	mg/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Hydroxide (OH)	Water			<1.0	mg/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Chloride (Cl)	Water	150	600	<1.0	mg/L
QRDS1-3APR24-M	RIVER'S WEEK 2 SPRING	CLR645	C423495	Sulphate (SO4)	Water	302.6		27	mg/L
7SQR-8APR24-M	RIVER'S WEEK 3 SPRING	CLW646	C424469	Total Hardness (CaCO3)	Water			36.3	mg/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Aluminum (Al)	Water			26.9	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Antimony (Sb)	Water			<0.50	ug/L
7SQR-8APR24-M	RIVER'S WEEK 3 SPRING	CLW646	C424469	Total Arsenic (As)	Water		5	0.6	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Barium (Ba)	Water			2.8	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Beryllium (Be)	Water			<0.10	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Bismuth (Bi)	Water			<1.0	ug/L
QRDS1-3APR24-M	RIVER'S WEEK 2 SPRING	CLR645	C423495	Total Boron (B)	Water	1200		54	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Cadmium (Cd)	Water			<0.010	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Chromium (Cr)	Water			<1.0	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Cobalt (Co)	Water	4	110	<0.20	ug/L
QRDS1-3APR24-M	RIVER'S WEEK 2 SPRING	CLR645	C423495	Total Copper (Cu)	Water	2	3	0.58	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Iron (Fe)	Water		1000	71	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Lead (Pb)	Water	2	3	<0.20	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Lithium (Li)	Water			<2.0	ug/L
7SQR-8APR24-M	RIVER'S WEEK 3 SPRING	CLW646	C424469	Total Manganese (Mn)	Water	605	605	4.5	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Molybdenum (Mo)	Water	1000	2000	<1.0	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Nickel (Ni)	Water			<1.0	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Selenium (Se)	Water	2		<0.10	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Silicon (Si)	Water			2190	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Silver (Ag)	Water	0.775	1.55	<0.020	ug/L
QRDS1-8APR24-M	RIVER'S WEEK 3 SPRING	CLW651	C424469	Total Strontium (Sr)	Water			63	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Thallium (Tl)	Water			<0.010	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Tin (Sn)	Water			<5.0	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Titanium (Ti)	Water			<5.0	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Uranium (U)	Water			<0.10	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Vanadium (V)	Water			<5.0	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Zinc (Zn)	Water	97.75	187	<5.0	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Zirconium (Zr)	Water			<0.10	ug/L
7SQR-8APR24-M	RIVER'S WEEK 3 SPRING	CLW646	C424469	Total Calcium (Ca)	Water			11.9	mg/L
7SQR-8APR24-M	RIVER'S WEEK 3 SPRING	CLW646	C424469	Total Magnesium (Mg)	Water			1.57	mg/L
7SQR-8APR24-M	RIVER'S WEEK 3 SPRING	CLW646	C424469	Total Potassium (K)	Water			0.22	mg/L
7SQR-8APR24-M	RIVER'S WEEK 3 SPRING	CLW646	C424469	Total Sodium (Na)	Water			12.4	mg/L
7SQR-8APR24-M	RIVER'S WEEK 3 SPRING	CLW646	C424469	Total Sulphur (S)	Water			8.6	mg/L
QRDS1-8APR24-M	RIVER'S WEEK 3 SPRING	CLW651	C424469	Dissolved Hardness (CaCO3)	Water			36.4	mg/L
7SQR-3APR24-M	RIVER'S WEEK 2 SPRING	CLR639	C423495	Dissolved Aluminum (Al)	Water	50	100	20.2	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Antimony (Sb)	Water			<0.50	ug/L
7SQR-8APR24-M	RIVER'S WEEK 3 SPRING	CLW646	C424469	Dissolved Arsenic (As)	Water		5	0.55	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Barium (Ba)	Water			2.7	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Beryllium (Be)	Water			<0.10	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Bismuth (Bi)	Water			<1.0	ug/L
7SQR-8APR24-M	RIVER'S WEEK 3 SPRING	CLW646	C424469	Dissolved Boron (B)	Water	1200		53	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Cadmium (Cd)	Water	0.24	1.41	<0.010	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Chromium (Cr)	Water			<1.0	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Cobalt (Co)	Water	4	110	<0.20	ug/L
QRDS1-15APR24-M	RIVER'S WEEK 4 SPRING	CMD828	C426192	Dissolved Copper (Cu)	Water	0.2	0.9	**0.55**	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Iron (Fe)	Water		350	54.9	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Lead (Pb)	Water	2	3	<0.20	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Lithium (Li)	Water			<2.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Manganese (Mn)	Water	605	605	4.1	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Molybdenum (Mo)	Water	1000	2000	<1.0	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Nickel (Ni)	Water			<1.0	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Selenium (Se)	Water	2		<0.10	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Silicon (Si)	Water			2670	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Silver (Ag)	Water	0.775	1.55	<0.020	ug/L
QRDS1-8APR24-M	RIVER'S WEEK 3 SPRING	CLW651	C424469	Dissolved Strontium (Sr)	Water			67.8	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Thallium (Tl)	Water			<0.010	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Tin (Sn)	Water			<5.0	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Titanium (Ti)	Water			<5.0	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Uranium (U)	Water			<0.10	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Vanadium (V)	Water			<5.0	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Zinc (Zn)	Water	97.75	187	<5.0	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Zirconium (Zr)	Water			<0.10	ug/L
QRDS1-8APR24-M	RIVER'S WEEK 3 SPRING	CLW651	C424469	Dissolved Calcium (Ca)	Water			12	mg/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Magnesium (Mg)	Water			1.63	mg/L
QRDS1-8APR24-M	RIVER'S WEEK 3 SPRING	CLW651	C424469	Dissolved Potassium (K)	Water			0.231	mg/L
QRDS1-8APR24-M	RIVER'S WEEK 3 SPRING	CLW651	C424469	Dissolved Sodium (Na)	Water			12.7	mg/L
QRDS1-8APR24-M	RIVER'S WEEK 3 SPRING	CLW651	C424469	Dissolved Sulphur (S)	Water			9.8	mg/L
7SQR-3APR24-M	RIVER'S WEEK 2 SPRING	CLR639	C423495	Dissolved Organic Carbon (C)	Water			2.9	mg/L
QRDS1-8APR24-M	RIVER'S WEEK 3 SPRING	CLW651	C424469	Nitrate plus Nitrite (N)	Water			<0.020	mg/L
QRDS1-8APR24-M	RIVER'S WEEK 3 SPRING	CLW651	C424469	Bromide (Br)	Water			<0.010	mg/L
QRDS1-8APR24-M	RIVER'S WEEK 3 SPRING	CLW651	C424469	Dissolved Fluoride (F)	Water	0.4	0.4	<0.050	mg/L

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	BC Approved WQG - AVE
Criteria 2	BC Approved WQG - MAX

Minimum Values Summary Table

Sample ID	Project	Bureau Veritas Sample ID	Bureau Veritas Job ID	Parameter	Matrix	Criteria [1]	Criteria [2]	Result	Units
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Suspended Solids	Water			<1.0	mg/L
7SQR-3APR24-M	RIVER'S WEEK 2 SPRING	CLR639	C423495	Conductivity	Water			130	uS/cm
7SQR-15APR24-M	RIVER'S WEEK 4 SPRING	CMD823	C426192	pH	Water			6.87	pH
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Acidity (pH 4.5)	Water			<1.0	mg/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Acidity (pH 8.3)	Water			<1.0	mg/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Alkalinity (PP as CaCO3)	Water			<1.0	mg/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Alkalinity (Total as CaCO3)	Water			35	mg/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Bicarbonate (HCO3)	Water			43	mg/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Carbonate (CO3)	Water			<1.0	mg/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Hydroxide (OH)	Water			<1.0	mg/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Chloride (Cl)	Water	150	600	<1.0	mg/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Sulphate (SO4)	Water	302.6		24	mg/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Hardness (CaCO3)	Water			28.7	mg/L
QRDS1-15APR24-M	RIVER'S WEEK 4 SPRING	CMD828	C426192	Total Aluminum (Al)	Water			18.5	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Antimony (Sb)	Water			<0.50	ug/L
QRDS1-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN222	C422388	Total Arsenic (As)	Water		5	0.52	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Barium (Ba)	Water			2	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Beryllium (Be)	Water			<0.10	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Bismuth (Bi)	Water			<1.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Boron (B)	Water	1200		<50	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Cadmium (Cd)	Water			<0.010	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Chromium (Cr)	Water			<1.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Cobalt (Co)	Water	4	110	<0.20	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Copper (Cu)	Water	2	3	<0.50	ug/L
QRDS1-15APR24-M	RIVER'S WEEK 4 SPRING	CMD828	C426192	Total Iron (Fe)	Water		1000	32	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Lead (Pb)	Water	2	3	<0.20	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Lithium (Li)	Water			<2.0	ug/L
QRDS1-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN222	C422388	Total Manganese (Mn)	Water	605	605	2.6	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Molybdenum (Mo)	Water	1000	2000	<1.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Nickel (Ni)	Water			<1.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Selenium (Se)	Water	2		<0.10	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Silicon (Si)	Water			1800	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Silver (Ag)	Water	0.775	1.55	<0.020	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Strontium (Sr)	Water			48.2	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Thallium (Tl)	Water			<0.010	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Tin (Sn)	Water			<5.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Titanium (Ti)	Water			<5.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Uranium (U)	Water			<0.10	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Vanadium (V)	Water			<5.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Zinc (Zn)	Water	97.75	187	<5.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Total Zirconium (Zr)	Water			<0.10	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Calcium (Ca)	Water			9.39	mg/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Magnesium (Mg)	Water			1.27	mg/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Potassium (K)	Water			0.195	mg/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Sodium (Na)	Water			10.7	mg/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Total Sulphur (S)	Water			7.3	mg/L
7SQR-15APR24-M	RIVER'S WEEK 4 SPRING	CMD823	C426192	Dissolved Hardness (CaCO3)	Water			33.8	mg/L
7SQR-15APR24-M	RIVER'S WEEK 4 SPRING	CMD823	C426192	Dissolved Aluminum (Al)	Water	50	100	14.5	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Antimony (Sb)	Water			<0.50	ug/L
QRDS1-15APR24-M	RIVER'S WEEK 4 SPRING	CMD828	C426192	Dissolved Arsenic (As)	Water		5	0.48	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Barium (Ba)	Water			2.3	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Beryllium (Be)	Water			<0.10	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Bismuth (Bi)	Water			<1.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Boron (B)	Water	1200		<50	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Cadmium (Cd)	Water	0.24	1.41	<0.010	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Chromium (Cr)	Water			<1.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Cobalt (Co)	Water	4	110	<0.20	ug/L
QRDS1-3APR24-M	RIVER'S WEEK 2 SPRING	CLR645	C423495	Dissolved Copper (Cu)	Water	0.2	0.9	**0.51**	ug/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Iron (Fe)	Water		350	21.3	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Lead (Pb)	Water	2	3	<0.20	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Lithium (Li)	Water			<2.0	ug/L
QRDS1-8APR24-M	RIVER'S WEEK 3 SPRING	CLW651	C424469	Dissolved Manganese (Mn)	Water	605	605	1.6	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Molybdenum (Mo)	Water	1000	2000	<1.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Nickel (Ni)	Water			<1.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Selenium (Se)	Water	2		<0.10	ug/L
QRDS1-15APR24-M	RIVER'S WEEK 4 SPRING	CMD828	C426192	Dissolved Silicon (Si)	Water			2030	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Silver (Ag)	Water	0.775	1.55	<0.020	ug/L
7SQR-15APR24-M	RIVER'S WEEK 4 SPRING	CMD823	C426192	Dissolved Strontium (Sr)	Water			56.7	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Thallium (Tl)	Water			<0.010	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Tin (Sn)	Water			<5.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Titanium (Ti)	Water			<5.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Uranium (U)	Water			<0.10	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Vanadium (V)	Water			<5.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Zinc (Zn)	Water	97.75	187	<5.0	ug/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Zirconium (Zr)	Water			<0.10	ug/L
7SQR-15APR24-M	RIVER'S WEEK 4 SPRING	CMD823	C426192	Dissolved Calcium (Ca)	Water			11.1	mg/L
QRDS1-15APR24-M	RIVER'S WEEK 4 SPRING	CMD828	C426192	Dissolved Magnesium (Mg)	Water			1.46	mg/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Potassium (K)	Water			0.212	mg/L
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	CLN221	C422388	Dissolved Sodium (Na)	Water			11.7	mg/L
7SQR-15APR24-M	RIVER'S WEEK 4 SPRING	CMD823	C426192	Dissolved Sulphur (S)	Water			8.2	mg/L
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	CMD829	C426192	Dissolved Organic Carbon (C)	Water			2.3	mg/L
7SQR-8APR24-M	RIVER'S WEEK 3 SPRING	CLW646	C424469	Nitrate plus Nitrite (N)	Water			<0.020	mg/L
7SQR-8APR24-M	RIVER'S WEEK 3 SPRING	CLW646	C424469	Bromide (Br)	Water			<0.010	mg/L
7SQR-8APR24-M	RIVER'S WEEK 3 SPRING	CLW646	C424469	Dissolved Fluoride (F)	Water	0.4	0.4	<0.050	mg/L

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	BC Approved WQG - AVE
Criteria 2	BC Approved WQG - MAX

Exceedance Summary Table

Criteria Name	*Sample ID*	*Bureau Veritas Sample ID*	*Bureau Veritas Job ID*	*Parameter*	*Criteria*	*Result*	*DL*	*Units*
BC Approved WQG - AVE	7SQR-28MAR24-M	CLN221	C422388	Dissolved Copper (Cu)	0.2	0.53	0.2	ug/L
BC Approved WQG - AVE	QRDS1-28MAR24-M	CLN222	C422388	Dissolved Copper (Cu)	0.2	0.54	0.2	ug/L
BC Approved WQG - AVE	7SQR-3APR24-M	CLR639	C423495	Dissolved Copper (Cu)	0.2	0.54	0.2	ug/L
BC Approved WQG - AVE	QRDS1-3APR24-M	CLR645	C423495	Dissolved Copper (Cu)	0.2	0.51	0.2	ug/L
BC Approved WQG - AVE	7SQR-8APR24-M	CLW646	C424469	Dissolved Copper (Cu)	0.2	0.52	0.2	ug/L
BC Approved WQG - AVE	QRDS1-8APR24-M	CLW651	C424469	Dissolved Copper (Cu)	0.2	0.52	0.2	ug/L
BC Approved WQG - AVE	7SQR-15APR24-M	CMD823	C426192	Dissolved Copper (Cu)	0.2	0.52	0.2	ug/L
BC Approved WQG - AVE	QRDS1-15APR24-M	CMD828	C426192	Dissolved Copper (Cu)	0.2	0.55	0.2	ug/L
BC Approved WQG - AVE	QRDS1-15APR24-R	CMD829	C426192	Dissolved Copper (Cu)	0.2	0.52	0.2	ug/L

Summary of Analysis Dates

Sample ID	*Project*	*Site*	*Bureau Veritas Sample ID*	*Bureau Veritas Job ID*	*Date Sampled*	*Time Sampled*	*Date Range: Extracted*	*Date Range: Analyzed*
7SQR-28MAR24-M	RIVER'S WEEK 1 SPRING	7SQR	CLN221	C422388	2024/03/28		2024/04/01 - 2024/04/03	2024/04/01 - 2024/04/03
QRDS1-28MAR24-M	RIVER'S WEEK 1 SPRING	QRDS1	CLN222	C422388	2024/03/28		2024/04/01 - 2024/04/03	2024/04/01 - 2024/04/03
7SQR-3APR24-M	RIVER'S WEEK 2 SPRING	7SQR	CLR639	C423495	2024/04/03		2024/04/05 - 2024/04/08	2024/04/04 - 2024/04/08
QRDS1-3APR24-M	RIVER'S WEEK 2 SPRING	QRDS1	CLR645	C423495	2024/04/03		2024/04/05 - 2024/04/08	2024/04/04 - 2024/04/08
7SQR-8APR24-M	RIVER'S WEEK 3 SPRING	7SQR	CLW646	C424469	2024/04/08		2024/04/09 - 2024/04/12	2024/04/09 - 2024/04/12
QRDS1-8APR24-M	RIVER'S WEEK 3 SPRING	QRDS1	CLW651	C424469	2024/04/08		2024/04/09 - 2024/04/12	2024/04/09 - 2024/04/12
7SQR-15APR24-M	RIVER'S WEEK 4 SPRING	7SQR	CMD823	C426192	2024/04/15		2024/04/16 - 2024/04/18	2024/04/16 - 2024/04/18
QRDS1-15APR24-M	RIVER'S WEEK 4 SPRING	QRDS1	CMD828	C426192	2024/04/15		2024/04/16 - 2024/04/18	2024/04/16 - 2024/04/18
QRDS1-15APR24-R	RIVER'S WEEK 4 SPRING	QRDS1	CMD829	C426192	2024/04/15		2024/04/16 - 2024/04/18	2024/04/16 - 2024/04/19