



### **CERTIFICATE OF ANALYSIS**

**REPORTED TO** Cherry Ridge Management

You know that the sample you collected after

snowshoeing to site, digging 5 meters, and

racing to get it on a plane so you can submit it

to the lab for time sensitive results needed to

make important and expensive decisions

(whew) is VERY important. We know that too.

158 North Fork Road Cherryville, BC V0E 2G3

**ATTENTION** Melanie Staker **WORK ORDER** 21H1700

**PO NUMBER** 

2021-08-16 08:44 / 22.0°C **RECEIVED / TEMP REPORTED** 2021-08-23 09:48 **PROJECT** Creek Monitoring

B099435 **PROJECT INFO COC NUMBER** 

#### Introduction:

CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO/IEC 17025:2017 for specific tests listed in the scope of accreditation approved by CALA.

Big Picture Sidekicks

We've Got Chemistry

It's simple. We figure the more you enjoy with fun and working our engaged team the more members; likely you are to give us continued opportunities to support you.

Ahead of the Curve

research, regulation and instrumentation, analytical centre the knowledge you BEFORE you need it, so you can stay up to date and in the know.

Through knowledge, are your technical

If you have any questions or concerns, please contact me at teamcaro@caro.ca

#### Authorized By:

Team CARO Client Service Representative



REPORTED TO	Cherry Ridge Management	<b>WORK ORDER</b>	21H1700
PROJECT	Creek Monitoring	REPORTED	2021-08-23 09:48

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifie
North Fork (21H1700-01)   Matrix: Water	Sampled: 2021-0	8-15 12:52				
Anions						
Bromide	< 0.10	N/A	0.10	mg/L	2021-08-17	
Chloride	< 0.10	AO ≤ 250	0.10	mg/L	2021-08-17	
Fluoride	< 0.10	MAC = 1.5	0.10	mg/L	2021-08-17	
Nitrate (as N)	< 0.010	MAC = 10	0.010	mg/L	2021-08-17	
Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	2021-08-17	
Sulfate	12.3	AO ≤ 500	1.0	mg/L	2021-08-17	
Calculated Parameters						
Nitrate+Nitrite (as N)	< 0.0100	N/A	0.0100	mg/L	N/A	
Nitrogen, Total	0.135	N/A	0.0500		N/A	
General Parameters						
Alkalinity, Total (as CaCO3)	98.4	N/A	1.0	mg/L	2021-08-20	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A		mg/L	2021-08-20	
Alkalinity, Bicarbonate (as CaCO3)	98.4	N/A		mg/L	2021-08-20	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2021-08-20	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A		mg/L	2021-08-20	
Ammonia, Total (as N)	< 0.050	None Required	0.050		2021-08-18	
Conductivity (EC)	200	N/A	2.0	μS/cm	2021-08-20	
Nitrogen, Total Kjeldahl	0.135	N/A	0.050	-	2021-08-20	
pH	8.16	7.0-10.5		pH units	2021-08-20	HT2
Phosphorus, Total (as P)	0.0126	N/A	0.0050	-	2021-08-20	
Turbidity	0.40	OG < 1		NTU	2021-08-18	
Microbiological Parameters						
Coliforms, Total	308	MAC = 0	1	MPN/100 mL	2021-08-16	
Coliforms, Fecal	9	0	1	MPN/100 mL	2021-08-16	
E. coli	9	MAC = 0	1	MPN/100 mL	2021-08-16	
Cherry Creek @ Hall (21H1700-02)   Matrix	c: Water   Sample	ed: 2021-08-15 13:20	1			
Bromide	< 0.10	N/A	0.10	mg/L	2021-08-17	
Chloride	1.30	AO ≤ 250		mg/L	2021-08-17	
Fluoride	< 0.10	MAC = 1.5		mg/L	2021-08-17	
Nitrate (as N)	< 0.010	MAC = 10	0.010		2021-08-17	
Nitrite (as N)	< 0.010	MAC = 1	0.010		2021-08-17	
Sulfate	16.0	AO ≤ 500		mg/L	2021-08-17	

### General Parameters

Nitrogen, Total

Calculated Parameters

Nitrate+Nitrite (as N)

N/A

N/A

N/A

N/A

0.0100 mg/L

0.0500 mg/L

< 0.0100

0.127



REPORTED TO	Cherry Ridge Management	<b>WORK ORDER</b>	21H1700
PROJECT	Creek Monitoring	REPORTED	2021-08-23 09:48

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifie
Cherry Creek @ Hall (21H1700-02)   Matrix	κ: Water   Sample	ed: 2021-08-15 13:20	, Continued	l		
General Parameters, Continued						
Alkalinity, Total (as CaCO3)	120	N/A	1.0	mg/L	2021-08-20	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A		mg/L	2021-08-20	
Alkalinity, Bicarbonate (as CaCO3)	120	N/A	1.0	mg/L	2021-08-20	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2021-08-20	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2021-08-20	
Ammonia, Total (as N)	< 0.050	None Required	0.050	mg/L	2021-08-18	
Conductivity (EC)	243	N/A	2.0	μS/cm	2021-08-20	
Nitrogen, Total Kjeldahl	0.127	N/A	0.050	mg/L	2021-08-20	
pH	8.28	7.0-10.5	0.10	pH units	2021-08-20	HT2
Phosphorus, Total (as P)	0.0090	N/A	0.0050	mg/L	2021-08-20	
Turbidity	0.32	OG < 1	0.10	NTU	2021-08-18	
Microbiological Parameters						
Coliforms, Total	517	MAC = 0	1	MPN/100 mL	2021-08-16	
Coliforms, Fecal	17	0	1	MPN/100 mL	2021-08-16	
E. coli	13	MAC = 0		MPN/100 mL	2021-08-16	
	ater   Sampled: 2	021-08-15 11:50				
Picnic Shuswap (21H1700-03)   Matrix: Wa						
<b>Anions</b> Bromide	< 0.10	N/A		mg/L	2021-08-17	
Anions Bromide Chloride	< 0.10 <b>0.31</b>	N/A AO ≤ 250	0.10	mg/L	2021-08-17	
Anions Bromide Chloride Fluoride	< 0.10 0.31 < 0.10	N/A AO ≤ 250 MAC = 1.5	0.10 0.10	mg/L mg/L	2021-08-17 2021-08-17	
Anions Bromide Chloride Fluoride Nitrate (as N)	< 0.10  0.31 < 0.10 < 0.010	N/A AO ≤ 250 MAC = 1.5 MAC = 10	0.10 0.10 0.010	mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17	
Anions Bromide Chloride Fluoride Nitrate (as N) Nitrite (as N)	< 0.10  0.31 < 0.10 < 0.010 < 0.010	N/A AO ≤ 250 MAC = 1.5 MAC = 10 MAC = 1	0.10 0.10 0.010 0.010	mg/L mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17 2021-08-17	
Anions Bromide Chloride Fluoride Nitrate (as N)	< 0.10  0.31 < 0.10 < 0.010	N/A AO ≤ 250 MAC = 1.5 MAC = 10	0.10 0.10 0.010 0.010	mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17	
Anions Bromide Chloride Fluoride Nitrate (as N) Nitrite (as N)	< 0.10  0.31 < 0.10 < 0.010 < 0.010	N/A AO ≤ 250 MAC = 1.5 MAC = 10 MAC = 1	0.10 0.10 0.010 0.010	mg/L mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17 2021-08-17	
Anions Bromide Chloride Fluoride Nitrate (as N) Nitrite (as N) Sulfate	< 0.10  0.31 < 0.10 < 0.010 < 0.010	N/A AO ≤ 250 MAC = 1.5 MAC = 10 MAC = 1	0.10 0.10 0.010 0.010	mg/L mg/L mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17 2021-08-17	
Anions  Bromide Chloride Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters	< 0.10  0.31  < 0.10  < 0.010  < 0.010  < 0.010  6.0	N/A AO ≤ 250 MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500	0.10 0.10 0.010 0.010 1.0	mg/L mg/L mg/L mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17	
Anions  Bromide Chloride Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Nitrate+Nitrite (as N)	< 0.10  0.31  < 0.10  < 0.010  < 0.010  6.0	N/A AO ≤ 250 MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500	0.10 0.10 0.010 0.010 1.0	mg/L mg/L mg/L mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17 N/A	
Anions Bromide Chloride Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Nitrate+Nitrite (as N) Nitrogen, Total	< 0.10  0.31  < 0.10  < 0.010  < 0.010  6.0	N/A AO ≤ 250 MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500  N/A N/A	0.10 0.10 0.010 0.010 1.0 0.0100 0.0500	mg/L mg/L mg/L mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17 N/A	
Anions Bromide Chloride Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Nitrate+Nitrite (as N) Nitrogen, Total General Parameters Alkalinity, Total (as CaCO3)	< 0.10  0.31 < 0.10 < 0.010 < 0.010 < 0.010  6.0  < 0.0100  0.198	N/A AO ≤ 250 MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500  N/A N/A  N/A	0.10 0.10 0.010 0.010 1.0 0.0100 0.0500	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17 N/A N/A	
Anions  Bromide Chloride Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Nitrate+Nitrite (as N) Nitrogen, Total General Parameters Alkalinity, Total (as CaCO3) Alkalinity, Phenolphthalein (as CaCO3)	< 0.10  0.31 < 0.10 < 0.010 < 0.010 < 0.010  6.0  < 0.0100  0.198	N/A AO ≤ 250 MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500  N/A N/A	0.10 0.10 0.010 0.010 1.0 0.0100 0.0500 1.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17 N/A N/A	
Anions  Bromide Chloride Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Nitrate+Nitrite (as N) Nitrogen, Total General Parameters Alkalinity, Total (as CaCO3) Alkalinity, Bicarbonate (as CaCO3)	< 0.10  0.31 < 0.10 < 0.010 < 0.010 < 0.010  6.0  < 0.0100  0.198	N/A AO ≤ 250 MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500  N/A N/A N/A N/A	0.10 0.010 0.010 1.0 0.0100 0.0500 1.0 1.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17 N/A N/A 2021-08-20 2021-08-20 2021-08-20	
Anions Bromide Chloride Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Nitrate+Nitrite (as N) Nitrogen, Total General Parameters Alkalinity, Total (as CaCO3) Alkalinity, Bicarbonate (as CaCO3) Alkalinity, Carbonate (as CaCO3)	< 0.10  0.31 < 0.10 < 0.010 < 0.010 < 0.010  6.0  < 0.0100  0.198  50.0 < 1.0 50.0	N/A AO ≤ 250 MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500  N/A N/A N/A N/A N/A N/A N/A	0.10 0.010 0.010 1.0 0.0100 0.0500 1.0 1.0 1.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17 N/A N/A 2021-08-20 2021-08-20	
Anions Bromide Chloride Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Nitrate+Nitrite (as N) Nitrogen, Total General Parameters Alkalinity, Total (as CaCO3) Alkalinity, Phenolphthalein (as CaCO3) Alkalinity, Carbonate (as CaCO3) Alkalinity, Hydroxide (as CaCO3)	< 0.10  0.31 < 0.10 < 0.010 < 0.010 < 0.010  6.0  < 0.0100  0.198  50.0 < 1.0  50.0 < 1.0	N/A AO ≤ 250 MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500  N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.10 0.010 0.010 1.0 0.0100 0.0500 1.0 1.0 1.0 1.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17 N/A N/A 2021-08-20 2021-08-20 2021-08-20 2021-08-20	
Anions Bromide Chloride Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Nitrate+Nitrite (as N) Nitrogen, Total General Parameters Alkalinity, Total (as CaCO3) Alkalinity, Phenolphthalein (as CaCO3) Alkalinity, Carbonate (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Alkalinity, Hydroxide (as CaCO3)	< 0.10  0.31 < 0.10 < 0.010 < 0.010 < 0.010  6.0  < 0.0100  0.198  50.0 < 1.0 50.0 < 1.0 < 1.0	N/A AO ≤ 250 MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500  N/A N/A N/A N/A N/A N/A N/A	0.10 0.010 0.010 1.0 0.0100 0.0500 1.0 1.0 1.0 1.0 0.050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17 N/A N/A 2021-08-20 2021-08-20 2021-08-20 2021-08-20 2021-08-20 2021-08-20	
Anions  Bromide Chloride Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Nitrate+Nitrite (as N) Nitrogen, Total General Parameters Alkalinity, Total (as CaCO3) Alkalinity, Phenolphthalein (as CaCO3) Alkalinity, Garbonate (as CaCO3) Alkalinity, Carbonate (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Ammonia, Total (as N) Conductivity (EC)	< 0.10  0.31 < 0.10 < 0.010 < 0.010 < 0.010  6.0  < 0.0100  0.198  50.0 < 1.0 50.0 < 1.0 < 1.0 < 1.0 < 1.0	N/A AO ≤ 250 MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500  N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	0.10 0.10 0.010 1.0 0.0100 0.0500 1.0 1.0 1.0 1.0 1.0 2.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17 N/A N/A 2021-08-20 2021-08-20 2021-08-20 2021-08-20 2021-08-20 2021-08-20 2021-08-18	
Anions Bromide Chloride Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Nitrate+Nitrite (as N) Nitrogen, Total General Parameters Alkalinity, Total (as CaCO3) Alkalinity, Phenolphthalein (as CaCO3) Alkalinity, Carbonate (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Alkalinity, Hydroxide (as CaCO3)	< 0.10  0.31 < 0.10 < 0.010 < 0.010 < 0.010  6.0  < 0.0100  0.198  50.0 < 1.0 50.0 < 1.0 < 1.0 < 0.050	N/A AO ≤ 250 MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500  N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	0.10 0.010 0.010 1.0 0.0100 0.0500 1.0 1.0 1.0 1.0 0.050 2.0 0.050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17  N/A N/A  2021-08-20 2021-08-20 2021-08-20 2021-08-20 2021-08-20 2021-08-20 2021-08-20 2021-08-20	HT2
Anions Bromide Chloride Fluoride Nitrate (as N) Nitrite (as N) Sulfate Calculated Parameters Nitrate+Nitrite (as N) Nitrogen, Total General Parameters Alkalinity, Total (as CaCO3) Alkalinity, Phenolphthalein (as CaCO3) Alkalinity, Garbonate (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Alkalinity, Hydroxide (as CaCO3) Ammonia, Total (as N) Conductivity (EC) Nitrogen, Total Kjeldahl	< 0.10 0.31 < 0.10 < 0.010 < 0.010 < 0.010  6.0  < 0.0100  0.198  50.0 < 1.0 50.0 < 1.0 < 1.0 < 1.0 < 1.0 < 0.050 109 0.198	N/A AO ≤ 250 MAC = 1.5 MAC = 10 MAC = 1 AO ≤ 500  N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	0.10 0.010 0.010 1.0 0.0100 0.0500 1.0 1.0 1.0 1.0 0.050 2.0 0.050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17 2021-08-17  N/A N/A  2021-08-20 2021-08-20 2021-08-20 2021-08-20 2021-08-20 2021-08-20 2021-08-20 2021-08-20 2021-08-20 2021-08-20	HT2



Chloride

Fluoride

Nitrate (as N)

REPORTED TO PROJECT	Cherry Ridge Management Creek Monitoring				WORK ORDER REPORTED	21H1700 2021-08-2	23 09:48
Analyte		Result	Guideline	RL	Units	Analyzed	Qualifie
Picnic Shuswap (	(21H1700-03)   Matrix: Water	Sampled: 2	2021-08-15 11:50, Co	ntinued			
Microbiological Pa	rameters						
Coliforms, Total		727	MAC = 0	1	MPN/100 mL	2021-08-16	
Coliforms, Fecal		6	0	1	MPN/100 mL	2021-08-16	
E. coli		6	MAC = 0	1	MPN/100 mL	2021-08-16	
Ferry Creek (21H	1700-04)   Matrix: Water   Sar	npled: 2021-	08-15 12:15				
Anions							
Bromide		< 0.10	N/A	0.10	mg/L	2021-08-17	
Chloride		0.90	AO ≤ 250		mg/L	2021-08-17	
Fluoride		< 0.10	MAC = 1.5		mg/L	2021-08-17	
Nitrate (as N)		< 0.010	MAC = 10	0.010		2021-08-17	
Nitrite (as N)		< 0.010	MAC = 1	0.010		2021-08-17	
Sulfate		31.4	AO ≤ 500		mg/L	2021-08-17	
Calculated Parame	ters						
Nitrate+Nitrite (as	N)	< 0.0100	N/A	0.0100	ma/L	N/A	
Nitrogen, Total	,	0.0770	N/A	0.0500		N/A	
General Parameter	s						
Alkalinity, Total (as		166	N/A	1.0	mg/L	2021-08-20	
	hthalein (as CaCO3)	5.0	N/A		mg/L	2021-08-20	
Alkalinity, Bicarbo		156	N/A		mg/L	2021-08-20	
Alkalinity, Carbona	· · · · · · · · · · · · · · · · · · ·	10.0	N/A		mg/L	2021-08-20	
Alkalinity, Hydroxid		< 1.0	N/A		mg/L	2021-08-20	
Ammonia, Total (a	<u> </u>	< 0.050	None Required	0.050		2021-08-18	
Conductivity (EC)	,	350	N/A		μS/cm	2021-08-20	
Nitrogen, Total Kje	eldahl	0.077	N/A	0.050	mg/L	2021-08-20	
pH		8.44	7.0-10.5		pH units	2021-08-20	HT2
Phosphorus, Total	(as P)	0.0097	N/A	0.0050		2021-08-20	
Turbidity		0.26	OG < 1	0.10	NTU	2021-08-18	
Microbiological Pa	rameters						
Coliforms, Total		816	MAC = 0	1	MPN/100 mL	2021-08-16	
Coliforms, Fecal		11	0		MPN/100 mL	2021-08-16	
E. coli		11	MAC = 0		MPN/100 mL	2021-08-16	
	1H1700-05)   Matrix: Water   S						
Anions							
Bromide		< 0.10	N/A	0.10	mg/L	2021-08-17	
Chlarida			10 < 250	0.40	"	2024 00 47	

2021-08-17

2021-08-17

2021-08-17

0.23

< 0.10

< 0.010

AO ≤ 250

MAC = 1.5

MAC = 10

0.10 mg/L

0.10 mg/L

0.010 mg/L



REPORTED TOCherry Ridge ManagementWORK ORDER21H1700PROJECTCreek MonitoringREPORTED2021-08-23 09:48

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifie
1/2 Mile Creek (21H1700-05)   Matrix: Wat	er   Sampled: 202	21-08-15 13:40, Cont	tinued			
Anions, Continued						
Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	2021-08-17	
Sulfate	33.8	AO ≤ 500	1.0	mg/L	2021-08-17	
Calculated Parameters						
Nitrate+Nitrite (as N)	< 0.0100	N/A	0.0100	mg/L	N/A	
Nitrogen, Total	0.0920	N/A	0.0500	mg/L	N/A	
General Parameters						
Alkalinity, Total (as CaCO3)	186	N/A	1.0	mg/L	2021-08-20	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2021-08-20	
Alkalinity, Bicarbonate (as CaCO3)	186	N/A	1.0	mg/L	2021-08-20	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2021-08-20	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2021-08-20	
Ammonia, Total (as N)	< 0.050	None Required	0.050	mg/L	2021-08-18	
Conductivity (EC)	382	N/A	2.0	μS/cm	2021-08-20	
Nitrogen, Total Kjeldahl	0.092	N/A	0.050	mg/L	2021-08-20	
рН	8.24	7.0-10.5	0.10	pH units	2021-08-20	HT2
Phosphorus, Total (as P)	0.0082	N/A	0.0050	mg/L	2021-08-20	
Turbidity	0.48	OG < 1	0.10	NTU	2021-08-18	
Microbiological Parameters						
Coliforms, Total	236	MAC = 0	1	MPN/100 mL	2021-08-16	
Coliforms, Fecal	3	0	1	MPN/100 mL	2021-08-16	
E. coli	2	MAC = 0	1	MPN/100 mL	2021-08-16	

### Sample Qualifiers:

HT2 The 15 minute recommended holding time (from sampling to analysis) has been exceeded - field analysis is recommended.



### APPENDIX 1: SUPPORTING INFORMATION

Cherry Ridge Management **REPORTED TO** 

Creek Monitoring **PROJECT** 

**WORK ORDER** 

21H1700

**REPORTED** 

2021-08-23 09:48

<b>Analysis Description</b>	Method Ref.	Technique A	ccredited	Location
Alkalinity in Water	SM 2320 B* (2017)	Titration with H2SO4	✓	Kelowna
Ammonia, Total in Water	SM 4500-NH3 G* (2017)	Automated Colorimetry (Phenate)	✓	Kelowna
Anions in Water	SM 4110 B (2017)	Ion Chromatography	✓	Kelowna
Coliforms, Fecal in Water	NA / SM 9223 (2017)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Coliforms, Total in Water	NA / SM 9223 (2017)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Conductivity in Water	SM 2510 B (2017)	Conductivity Meter	✓	Kelowna
E. coli in Water	NA / SM 9223 (2017)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Nitrogen, Total Kjeldahl in Water	SM 4500-Norg D* (2017)	Block Digestion and Flow Injection Analysis	✓	Kelowna
pH in Water	SM 4500-H+ B (2017)	Electrometry	✓	Kelowna
Phosphorus, Total in Water	SM 4500-P B.5* (2011) / SM 4500-P F (2017)	Persulfate Digestion / Automated Colorimetry (Ascorbic Ac	sid) ✓	Kelowna
Turbidity in Water	SM 2130 B (2017)	Nephelometry	✓	Kelowna

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

#### Glossary of Terms:

RL Reporting Limit (default)

Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors

ΑO Aesthetic Objective

MAC Maximum Acceptable Concentration (health based)

Milligrams per litre mg/L

MPN/100 mL Most Probable Number per 100 millilitres

NTU Nephelometric Turbidity Units

OG Operational Guideline (treated water) pH < 7 = acidic, ph > 7 = basicpH units µS/cm Microsiemens per centimetre

SM Standard Methods for the Examination of Water and Wastewater, American Public Health Association

#### **Guidelines Referenced in this Report:**

Guidelines for Canadian Drinking Water Quality (Health Canada, June 2019)

Note: In some cases, the values displayed on the report represent the lowest guideline and are to be verified by the end user



### **APPENDIX 1: SUPPORTING INFORMATION**

REPORTED TO Cherry Ridge Management

PROJECT Creek Monitoring

WORK ORDER REPORTED 21H1700

**RTED** 2021-08-23 09:48

#### **General Comments:**

The results in this report apply to the samples analyzed in accordance with the Chain of Custody document. This analytical report must be reproduced in its entirety. CARO is not responsible for any loss or damage resulting directly or indirectly from error or omission in the conduct of testing. Liability is limited to the cost of analysis. Samples will be disposed of 30 days after the test report has been issued or once samples expire, whichever comes first. Longer hold is possible if agreed to in writing. The quality control (QC) data is available upon request

Results in **Bold** indicate values that are above CARO's method reporting limits. Any results that are above regulatory limits are highlighted **red**. Please note that results will only be highlighted red if the regulatory limits are included on the CARO report. Any Bold and/or highlighted results do <u>not</u> take into account method uncertainty. If you would like method uncertainty or regulatory limits to be included on your report, please contact your Account Manager:teamcaro@caro.ca

Please note any regulatory guidelines applied to this report are added as a convenience to the client, at their request, to help provide some initial context to analytical results obtained. Although CARO makes every effort to ensure accuracy of the associated regulatory guideline(s) applied, the guidelines applied cannot be assumed to be correct due to a variety of factors and as such CARO Analytical Services assumes no liability or responsibility for the use of those guidelines to make any decisions. The original source of the regulation should be verified and a review of the guideline(s) should be validated as correct in order to make any decisions arising from the comparison of the analytical data obtained to the relevant regulatory guideline for one's particular circumstances. Further, CARO Analytical Services assumes no liability or responsibility for any loss attributed from the use of these guidelines in any way.