



CERTIFICATE OF ANALYSIS

REPORTED TO Cherry Ridge Management
158 North Fork Road
Cherryville, BC V0E 2G3

ATTENTION Melanie Staker

PO NUMBER

PROJECT Creek Monitoring

PROJECT INFO

WORK ORDER 0051955

RECEIVED / TEMP 2020-05-25 08:47 / 10°C

REPORTED 2020-06-01 15:48

COC NUMBER 40837.5581

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 17025:2005 for specific tests listed in the scope of accreditation approved by CALA.

Big Picture Sidekicks



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.

We've Got Chemistry



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

Ahead of the Curve



Through research, regulation knowledge, and instrumentation, we are your analytical centre for the technical knowledge you need, BEFORE you need it, so you can stay up to date and in the know.

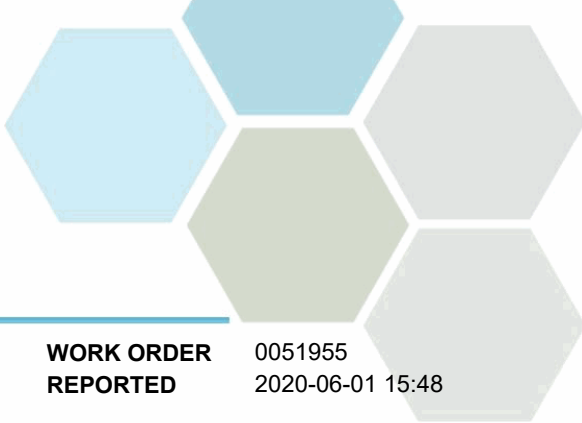
If you have any questions or concerns, please contact me at teamcaro@caro.ca

Authorized By:

Team CARO
Client Service Representative

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#110 4011 Viking Way Richmond, BC V6V 2K9 | #102 3677 Highway 97N Kelowna, BC V1X 5C3 | 17225 109 Avenue Edmonton, AB T5S 1H7



TEST RESULTS

REPORTED TO PROJECT Cherry Ridge Management Creek Monitoring

WORK ORDER REPORTED 0051955
2020-06-01 15:48

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
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North Fork Cherry Creek (0051955-01) | Matrix: Water | Sampled: 2020-05-24 11:15

F1, F2,
FILT,
PRES

Calculated Parameters

Hardness, Total (as CaCO3)	47.5	None Required	0.100	mg/L	N/A	
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Dissolved Metals

Aluminum, dissolved	20.7	N/A	1.0	µg/L	2020-05-30	
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General Parameters

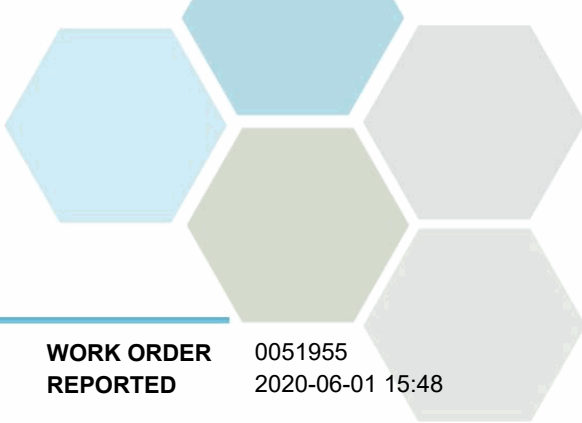
Conductivity (EC)	107	N/A	2.0	µS/cm	2020-05-28	
Nitrogen, Total Kjeldahl	0.143	N/A	0.050	mg/L	2020-05-29	
pH	7.26	7.0-10.5	0.10	pH units	2020-05-28	HT2
Phosphorus, Total (as P)	0.0651	N/A	0.0020	mg/L	2020-05-28	
Phosphorus, Total Dissolved	0.0065	N/A	0.0020	mg/L	2020-05-28	
Turbidity	13.2	OG < 1	0.10	NTU	2020-05-25	

Microbiological Parameters

Coliforms, Total	72.3	N/A	1.0	MPN/100 mL	2020-05-25	
E. coli	1.0	N/A	1.0	MPN/100 mL	2020-05-25	

Total Metals

Aluminum, total	679	OG < 100	2.0	µg/L	2020-05-30	
Antimony, total	< 0.050	MAC = 6	0.050	µg/L	2020-05-30	
Arsenic, total	0.439	MAC = 10	0.050	µg/L	2020-05-30	
Barium, total	18.2	MAC = 2000	0.10	µg/L	2020-05-30	
Beryllium, total	0.025	N/A	0.010	µg/L	2020-05-30	
Bismuth, total	< 0.010	N/A	0.010	µg/L	2020-05-30	
Boron, total	3.0	MAC = 5000	2.0	µg/L	2020-05-30	
Cadmium, total	0.0538	MAC = 5	0.0020	µg/L	2020-05-30	
Calcium, total	15700	N/A	40	µg/L	2020-05-30	
Chromium, total	2.62	MAC = 50	0.10	µg/L	2020-05-30	
Cobalt, total	0.583	N/A	0.0050	µg/L	2020-05-30	
Copper, total	2.59	MAC = 2000	0.20	µg/L	2020-05-30	
Iron, total	1020	AO ≤ 300	2.0	µg/L	2020-05-30	
Lead, total	0.350	MAC = 5	0.050	µg/L	2020-05-30	
Lithium, total	1.22	N/A	0.050	µg/L	2020-05-30	
Magnesium, total	2010	N/A	5.0	µg/L	2020-05-30	
Manganese, total	26.5	MAC = 120	0.050	µg/L	2020-05-30	
Molybdenum, total	0.985	N/A	0.010	µg/L	2020-05-30	
Nickel, total	2.50	N/A	0.040	µg/L	2020-05-30	
Phosphorus, total	38	N/A	10	µg/L	2020-05-30	
Potassium, total	904	N/A	10	µg/L	2020-05-30	
Selenium, total	0.81	MAC = 50	0.10	µg/L	2020-05-30	
Silicon, total	4970	N/A	100	µg/L	2020-05-30	
Silver, total	< 0.010	N/A	0.010	µg/L	2020-05-30	



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Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
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North Fork Cherry Creek (0051955-01) | Matrix: Water | Sampled: 2020-05-24 11:15, Continued

F1, F2,
FILT,
PRES

Total Metals, Continued

Sodium, total	829	AO ≤ 200000	20	µg/L	2020-05-30	
Strontium, total	84.5	7000	0.10	µg/L	2020-05-30	
Sulfur, total	1600	N/A	1000	µg/L	2020-05-30	
Tellurium, total	< 0.050	N/A	0.050	µg/L	2020-05-30	
Thallium, total	0.0107	N/A	0.0040	µg/L	2020-05-30	
Thorium, total	0.076	N/A	0.010	µg/L	2020-05-30	
Tin, total	0.055	N/A	0.050	µg/L	2020-05-30	
Titanium, total	43.1	N/A	0.20	µg/L	2020-05-30	
Tungsten, total	< 0.20	N/A	0.20	µg/L	2020-05-30	
Uranium, total	0.194	MAC = 20	0.0010	µg/L	2020-05-30	
Vanadium, total	2.51	N/A	0.20	µg/L	2020-05-30	
Zinc, total	4.8	AO ≤ 5000	1.0	µg/L	2020-05-30	
Zirconium, total	0.092	N/A	0.020	µg/L	2020-05-30	

Cherry Creek at Hall (0051955-02) | Matrix: Water | Sampled: 2020-05-24 11:57

F1, F2,
FILT,
PRES

Anions

Chloride	0.97	AO ≤ 250	0.10	mg/L	2020-05-26	
Nitrate (as N)	0.074	MAC = 10	0.010	mg/L	2020-05-26	
Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	2020-05-26	
Sulfate	7.4	AO ≤ 500	1.0	mg/L	2020-05-26	

Calculated Parameters

Hardness, Total (as CaCO3)	77.7	None Required	0.100	mg/L	N/A	
Nitrate+Nitrite (as N)	0.0740	N/A	0.0100	mg/L	N/A	
Nitrogen, Total	0.334	N/A	0.0500	mg/L	N/A	

Dissolved Metals

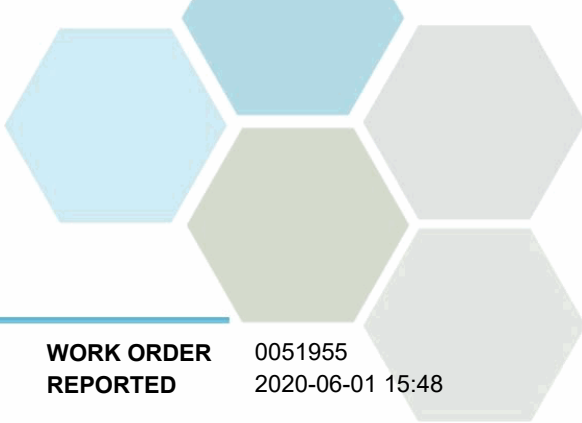
Aluminum, dissolved	18.5	N/A	1.0	µg/L	2020-05-30	
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General Parameters

Conductivity (EC)	154	N/A	2.0	µS/cm	2020-05-28	
Nitrogen, Total Kjeldahl	0.260	N/A	0.050	mg/L	2020-05-29	
pH	7.48	7.0-10.5	0.10	pH units	2020-05-28	HT2
Phosphorus, Total (as P)	0.163	N/A	0.0020	mg/L	2020-05-28	
Phosphorus, Total Dissolved	0.0071	N/A	0.0020	mg/L	2020-05-28	
Turbidity	57.7	OG < 1	0.10	NTU	2020-05-25	

Microbiological Parameters

Coliforms, Total	456	N/A	1.0	MPN/100 mL	2020-05-25	
E. coli	126	N/A	1.0	MPN/100 mL	2020-05-25	



TEST RESULTS

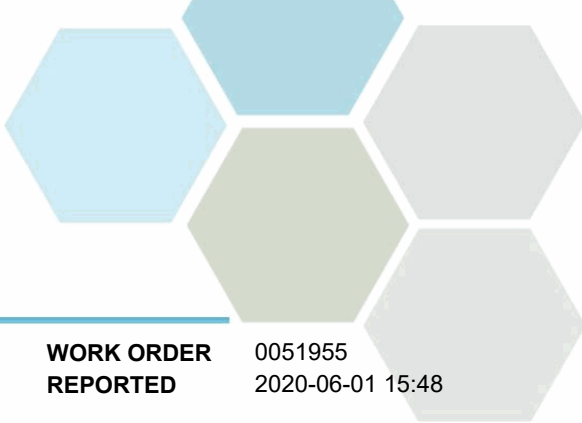
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Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
Cherry Creek at Hall (0051955-02) Matrix: Water Sampled: 2020-05-24 11:57, Continued						F1, F2, FILT, PRES
Total Metals						
Aluminum, total	2250	OG < 100	2.0	µg/L	2020-05-30	
Antimony, total	0.181	MAC = 6	0.050	µg/L	2020-05-30	
Arsenic, total	2.00	MAC = 10	0.050	µg/L	2020-05-30	
Barium, total	40.2	MAC = 2000	0.10	µg/L	2020-05-30	
Beryllium, total	0.074	N/A	0.010	µg/L	2020-05-30	
Bismuth, total	0.031	N/A	0.010	µg/L	2020-05-30	
Boron, total	2.6	MAC = 5000	2.0	µg/L	2020-05-30	
Cadmium, total	0.162	MAC = 5	0.0020	µg/L	2020-05-30	
Calcium, total	23400	N/A	40	µg/L	2020-05-30	
Chromium, total	6.45	MAC = 50	0.10	µg/L	2020-05-30	
Cobalt, total	1.97	N/A	0.0050	µg/L	2020-05-30	
Copper, total	7.34	MAC = 2000	0.20	µg/L	2020-05-30	
Iron, total	3700	AO ≤ 300	2.0	µg/L	2020-05-30	
Lead, total	1.51	MAC = 5	0.050	µg/L	2020-05-30	
Lithium, total	3.54	N/A	0.050	µg/L	2020-05-30	
Magnesium, total	4680	N/A	5.0	µg/L	2020-05-30	
Manganese, total	98.5	MAC = 120	0.050	µg/L	2020-05-30	
Molybdenum, total	1.09	N/A	0.010	µg/L	2020-05-30	
Nickel, total	6.23	N/A	0.040	µg/L	2020-05-30	
Phosphorus, total	137	N/A	10	µg/L	2020-05-30	
Potassium, total	1210	N/A	10	µg/L	2020-05-30	
Selenium, total	1.13	MAC = 50	0.10	µg/L	2020-05-30	
Silicon, total	7720	N/A	100	µg/L	2020-05-30	
Silver, total	0.040	N/A	0.010	µg/L	2020-05-30	
Sodium, total	1580	AO ≤ 200000	20	µg/L	2020-05-30	
Strontium, total	149	7000	0.10	µg/L	2020-05-30	
Sulfur, total	2400	N/A	1000	µg/L	2020-05-30	
Tellurium, total	< 0.050	N/A	0.050	µg/L	2020-05-30	
Thallium, total	0.0346	N/A	0.0040	µg/L	2020-05-30	
Thorium, total	0.214	N/A	0.010	µg/L	2020-05-30	
Tin, total	0.091	N/A	0.050	µg/L	2020-05-30	
Titanium, total	122	N/A	0.20	µg/L	2020-05-30	
Tungsten, total	< 0.20	N/A	0.20	µg/L	2020-05-30	
Uranium, total	0.390	MAC = 20	0.0010	µg/L	2020-05-30	
Vanadium, total	6.67	N/A	0.20	µg/L	2020-05-30	
Zinc, total	14.5	AO ≤ 5000	1.0	µg/L	2020-05-30	
Zirconium, total	0.194	N/A	0.020	µg/L	2020-05-30	

Shuswap River Picnic Site (0051955-03) | Matrix: Water | Sampled: 2020-05-24 10:20

F1, F2,
FILT,
PRES



TEST RESULTS

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2020-06-01 15:48

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
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Shuswap River Picnic Site (0051955-03) | Matrix: Water | Sampled: 2020-05-24 10:20, Continued

F1, F2,
FILT,
PRES

Anions

Chloride	0.57	AO ≤ 250	0.10	mg/L	2020-05-26	
Nitrate (as N)	0.070	MAC = 10	0.010	mg/L	2020-05-26	
Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	2020-05-26	
Sulfate	4.4	AO ≤ 500	1.0	mg/L	2020-05-26	

Calculated Parameters

Hardness, Total (as CaCO3)	41.6	None Required	0.100	mg/L	N/A	
Nitrate+Nitrite (as N)	0.0698	N/A	0.0100	mg/L	N/A	
Nitrogen, Total	0.317	N/A	0.0500	mg/L	N/A	

Dissolved Metals

Aluminum, dissolved	18.3	N/A	1.0	µg/L	2020-05-30	
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General Parameters

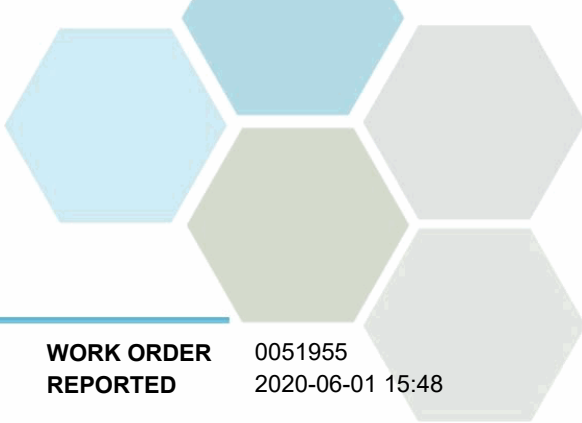
Conductivity (EC)	96.0	N/A	2.0	µS/cm	2020-05-28	
Nitrogen, Total Kjeldahl	0.247	N/A	0.050	mg/L	2020-05-29	
pH	7.09	7.0-10.5	0.10	pH units	2020-05-28	HT2
Phosphorus, Total (as P)	0.0728	N/A	0.0020	mg/L	2020-05-28	
Phosphorus, Total Dissolved	0.0047	N/A	0.0020	mg/L	2020-05-28	
Turbidity	14.0	OG < 1	0.10	NTU	2020-05-25	

Microbiological Parameters

Coliforms, Total	1200	N/A	1.0	MPN/100 mL	2020-05-25	
E. coli	23.8	N/A	1.0	MPN/100 mL	2020-05-25	

Total Metals

Aluminum, total	571	OG < 100	2.0	µg/L	2020-05-30	
Antimony, total	0.071	MAC = 6	0.050	µg/L	2020-05-30	
Arsenic, total	0.530	MAC = 10	0.050	µg/L	2020-05-30	
Barium, total	15.7	MAC = 2000	0.10	µg/L	2020-05-30	
Beryllium, total	0.023	N/A	0.010	µg/L	2020-05-30	
Bismuth, total	< 0.010	N/A	0.010	µg/L	2020-05-30	
Boron, total	2.2	MAC = 5000	2.0	µg/L	2020-05-30	
Cadmium, total	0.0469	MAC = 5	0.0020	µg/L	2020-05-30	
Calcium, total	13400	N/A	40	µg/L	2020-05-30	
Chromium, total	1.65	MAC = 50	0.10	µg/L	2020-05-30	
Cobalt, total	0.497	N/A	0.0050	µg/L	2020-05-30	
Copper, total	2.41	MAC = 2000	0.20	µg/L	2020-05-30	
Iron, total	939	AO ≤ 300	2.0	µg/L	2020-05-30	
Lead, total	0.386	MAC = 5	0.050	µg/L	2020-05-30	
Lithium, total	1.16	N/A	0.050	µg/L	2020-05-30	
Magnesium, total	1960	N/A	5.0	µg/L	2020-05-30	
Manganese, total	32.0	MAC = 120	0.050	µg/L	2020-05-30	



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Shuswap River Picnic Site (0051955-03) | Matrix: Water | Sampled: 2020-05-24 10:20, Continued

F1, F2,
FILT,
PRES

Total Metals, Continued

Molybdenum, total	0.632	N/A	0.010	µg/L	2020-05-30	
Nickel, total	1.72	N/A	0.040	µg/L	2020-05-30	
Phosphorus, total	34	N/A	10	µg/L	2020-05-30	
Potassium, total	998	N/A	10	µg/L	2020-05-30	
Selenium, total	0.42	MAC = 50	0.10	µg/L	2020-05-30	
Silicon, total	4430	N/A	100	µg/L	2020-05-30	
Silver, total	< 0.010	N/A	0.010	µg/L	2020-05-30	
Sodium, total	1200	AO ≤ 200000	20	µg/L	2020-05-30	
Strontium, total	65.8	7000	0.10	µg/L	2020-05-30	
Sulfur, total	1200	N/A	1000	µg/L	2020-05-30	
Tellurium, total	< 0.050	N/A	0.050	µg/L	2020-05-30	
Thallium, total	0.0078	N/A	0.0040	µg/L	2020-05-30	
Thorium, total	0.060	N/A	0.010	µg/L	2020-05-30	
Tin, total	< 0.050	N/A	0.050	µg/L	2020-05-30	
Titanium, total	29.0	N/A	0.20	µg/L	2020-05-30	
Tungsten, total	< 0.20	N/A	0.20	µg/L	2020-05-30	
Uranium, total	0.373	MAC = 20	0.0010	µg/L	2020-05-30	
Vanadium, total	1.46	N/A	0.20	µg/L	2020-05-30	
Zinc, total	5.5	AO ≤ 5000	1.0	µg/L	2020-05-30	
Zirconium, total	0.113	N/A	0.020	µg/L	2020-05-30	

Ferry Creek (0051955-04) | Matrix: Water | Sampled: 2020-05-24 10:45

F1, F2,
FILT,
PRES

Anions

Chloride	0.24	AO ≤ 250	0.10	mg/L	2020-05-26	
Nitrate (as N)	0.013	MAC = 10	0.010	mg/L	2020-05-26	
Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	2020-05-26	
Sulfate	5.3	AO ≤ 500	1.0	mg/L	2020-05-26	

Calculated Parameters

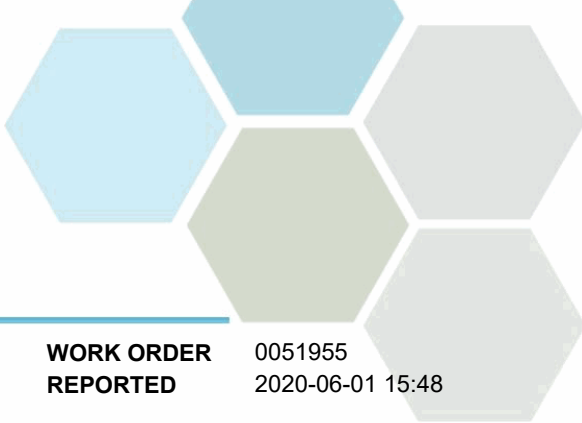
Hardness, Total (as CaCO3)	36.5	None Required	0.100	mg/L	N/A	
Nitrate+Nitrite (as N)	0.0128	N/A	0.0100	mg/L	N/A	
Nitrogen, Total	0.285	N/A	0.0500	mg/L	N/A	

Dissolved Metals

Aluminum, dissolved	57.5	N/A	1.0	µg/L	2020-05-30	
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General Parameters

Conductivity (EC)	86.5	N/A	2.0	µS/cm	2020-05-28	
Nitrogen, Total Kjeldahl	0.272	N/A	0.050	mg/L	2020-05-29	



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Ferry Creek (0051955-04) | Matrix: Water | Sampled: 2020-05-24 10:45, Continued

F1, F2,
FILT,
PRES

General Parameters, Continued

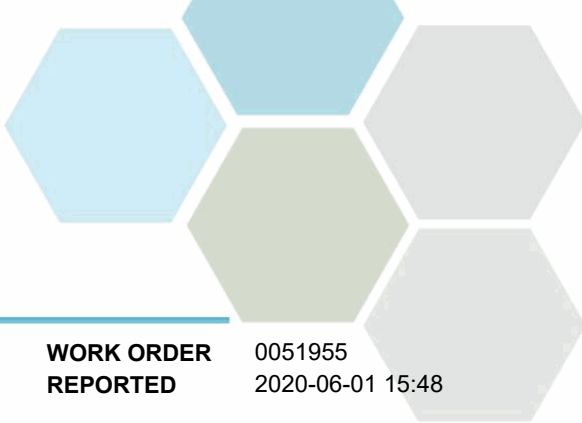
pH	7.04	7.0-10.5	0.10	pH units	2020-05-28	HT2
Phosphorus, Total (as P)	0.0555	N/A	0.0020	mg/L	2020-05-28	
Phosphorus, Total Dissolved	0.0119	N/A	0.0020	mg/L	2020-05-28	
Turbidity	5.80	OG < 1	0.10	NTU	2020-05-25	

Microbiological Parameters

Coliforms, Total	249	N/A	1.0	MPN/100 mL	2020-05-25	
E. coli	1.0	N/A	1.0	MPN/100 mL	2020-05-25	

Total Metals

Aluminum, total	428	OG < 100	2.0	µg/L	2020-05-30	
Antimony, total	< 0.050	MAC = 6	0.050	µg/L	2020-05-30	
Arsenic, total	0.382	MAC = 10	0.050	µg/L	2020-05-30	
Barium, total	10.9	MAC = 2000	0.10	µg/L	2020-05-30	
Beryllium, total	0.026	N/A	0.010	µg/L	2020-05-30	
Bismuth, total	< 0.010	N/A	0.010	µg/L	2020-05-30	
Boron, total	2.1	MAC = 5000	2.0	µg/L	2020-05-30	
Cadmium, total	0.0121	MAC = 5	0.0020	µg/L	2020-05-30	
Calcium, total	10400	N/A	40	µg/L	2020-05-30	
Chromium, total	0.89	MAC = 50	0.10	µg/L	2020-05-30	
Cobalt, total	0.290	N/A	0.0050	µg/L	2020-05-30	
Copper, total	1.23	MAC = 2000	0.20	µg/L	2020-05-30	
Iron, total	645	AO ≤ 300	2.0	µg/L	2020-05-30	
Lead, total	0.165	MAC = 5	0.050	µg/L	2020-05-30	
Lithium, total	1.16	N/A	0.050	µg/L	2020-05-30	
Magnesium, total	2560	N/A	5.0	µg/L	2020-05-30	
Manganese, total	20.1	MAC = 120	0.050	µg/L	2020-05-30	
Molybdenum, total	0.383	N/A	0.010	µg/L	2020-05-30	
Nickel, total	0.858	N/A	0.040	µg/L	2020-05-30	
Phosphorus, total	31	N/A	10	µg/L	2020-05-30	
Potassium, total	834	N/A	10	µg/L	2020-05-30	
Selenium, total	0.21	MAC = 50	0.10	µg/L	2020-05-30	
Silicon, total	6510	N/A	100	µg/L	2020-05-30	
Silver, total	< 0.010	N/A	0.010	µg/L	2020-05-30	
Sodium, total	1870	AO ≤ 200000	20	µg/L	2020-05-30	
Strontium, total	71.9	7000	0.10	µg/L	2020-05-30	
Sulfur, total	1600	N/A	1000	µg/L	2020-05-30	
Tellurium, total	< 0.050	N/A	0.050	µg/L	2020-05-30	
Thallium, total	< 0.0040	N/A	0.0040	µg/L	2020-05-30	
Thorium, total	0.055	N/A	0.010	µg/L	2020-05-30	
Tin, total	< 0.050	N/A	0.050	µg/L	2020-05-30	
Titanium, total	24.7	N/A	0.20	µg/L	2020-05-30	



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Ferry Creek (0051955-04) | Matrix: Water | Sampled: 2020-05-24 10:45, Continued

F1, F2,
FILT,
PRES

Total Metals, Continued

Tungsten, total	< 0.20	N/A	0.20	µg/L	2020-05-30	
Uranium, total	0.286	MAC = 20	0.0010	µg/L	2020-05-30	
Vanadium, total	1.98	N/A	0.20	µg/L	2020-05-30	
Zinc, total	2.9	AO ≤ 5000	1.0	µg/L	2020-05-30	
Zirconium, total	0.518	N/A	0.020	µg/L	2020-05-30	

1/2 Mile Creek (0051955-05) | Matrix: Water | Sampled: 2020-05-24 12:23

F1, F2,
FILT,
PRES

Anions

Chloride	0.28	AO ≤ 250	0.10	mg/L	2020-05-26	
Nitrate (as N)	< 0.010	MAC = 10	0.010	mg/L	2020-05-26	
Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	2020-05-26	
Sulfate	19.3	AO ≤ 500	1.0	mg/L	2020-05-26	

Calculated Parameters

Hardness, Total (as CaCO3)	140	None Required	0.100	mg/L	N/A	
Nitrate+Nitrite (as N)	< 0.0100	N/A	0.0100	mg/L	N/A	
Nitrogen, Total	0.0740	N/A	0.0500	mg/L	N/A	

Dissolved Metals

Aluminum, dissolved	2.2	N/A	1.0	µg/L	2020-05-30	
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General Parameters

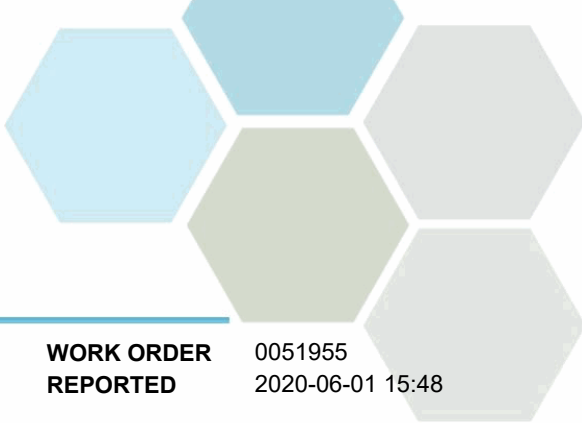
Conductivity (EC)	300	N/A	2.0	µS/cm	2020-05-28	
Nitrogen, Total Kjeldahl	0.074	N/A	0.050	mg/L	2020-05-29	
pH	7.59	7.0-10.5	0.10	pH units	2020-05-28	HT2
Phosphorus, Total (as P)	0.0105	N/A	0.0020	mg/L	2020-05-28	
Phosphorus, Total Dissolved	0.0059	N/A	0.0020	mg/L	2020-05-28	
Turbidity	0.58	OG < 1	0.10	NTU	2020-05-25	

Microbiological Parameters

Coliforms, Total	101	N/A	1.0	MPN/100 mL	2020-05-25	
E. coli	< 1.0	N/A	1.0	MPN/100 mL	2020-05-25	

Total Metals

Aluminum, total	12.9	OG < 100	2.0	µg/L	2020-05-30	
Antimony, total	0.146	MAC = 6	0.050	µg/L	2020-05-30	
Arsenic, total	0.879	MAC = 10	0.050	µg/L	2020-05-30	
Barium, total	11.8	MAC = 2000	0.10	µg/L	2020-05-30	
Beryllium, total	< 0.010	N/A	0.010	µg/L	2020-05-30	
Bismuth, total	< 0.010	N/A	0.010	µg/L	2020-05-30	



TEST RESULTS

REPORTED TO PROJECT Cherry Ridge Management Creek Monitoring

WORK ORDER REPORTED 0051955
2020-06-01 15:48

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
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1/2 Mile Creek (0051955-05) | Matrix: Water | Sampled: 2020-05-24 12:23, Continued

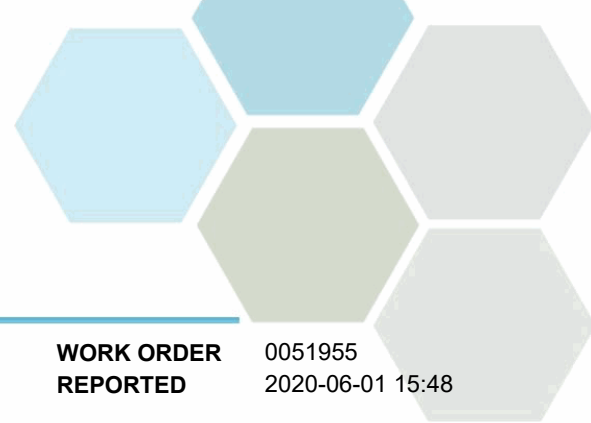
F1, F2,
FILT,
PRES

Total Metals, Continued

Boron, total	2.6	MAC = 5000	2.0	µg/L	2020-05-30	
Cadmium, total	0.0065	MAC = 5	0.0020	µg/L	2020-05-30	
Calcium, total	46700	N/A	40	µg/L	2020-05-30	
Chromium, total	0.24	MAC = 50	0.10	µg/L	2020-05-30	
Cobalt, total	0.0291	N/A	0.0050	µg/L	2020-05-30	
Copper, total	0.49	MAC = 2000	0.20	µg/L	2020-05-30	
Iron, total	17.6	AO ≤ 300	2.0	µg/L	2020-05-30	
Lead, total	< 0.050	MAC = 5	0.050	µg/L	2020-05-30	
Lithium, total	0.957	N/A	0.050	µg/L	2020-05-30	
Magnesium, total	5670	N/A	5.0	µg/L	2020-05-30	
Manganese, total	0.770	MAC = 120	0.050	µg/L	2020-05-30	
Molybdenum, total	0.889	N/A	0.010	µg/L	2020-05-30	
Nickel, total	0.114	N/A	0.040	µg/L	2020-05-30	
Phosphorus, total	< 10	N/A	10	µg/L	2020-05-30	
Potassium, total	1000	N/A	10	µg/L	2020-05-30	
Selenium, total	0.78	MAC = 50	0.10	µg/L	2020-05-30	
Silicon, total	5890	N/A	100	µg/L	2020-05-30	
Silver, total	< 0.010	N/A	0.010	µg/L	2020-05-30	
Sodium, total	2170	AO ≤ 200000	20	µg/L	2020-05-30	
Strontium, total	243	7000	0.10	µg/L	2020-05-30	
Sulfur, total	6800	N/A	1000	µg/L	2020-05-30	
Tellurium, total	< 0.050	N/A	0.050	µg/L	2020-05-30	
Thallium, total	< 0.0040	N/A	0.0040	µg/L	2020-05-30	
Thorium, total	< 0.010	N/A	0.010	µg/L	2020-05-30	
Tin, total	< 0.050	N/A	0.050	µg/L	2020-05-30	
Titanium, total	0.48	N/A	0.20	µg/L	2020-05-30	
Tungsten, total	< 0.20	N/A	0.20	µg/L	2020-05-30	
Uranium, total	0.276	MAC = 20	0.0010	µg/L	2020-05-30	
Vanadium, total	< 0.20	N/A	0.20	µg/L	2020-05-30	
Zinc, total	1.0	AO ≤ 5000	1.0	µg/L	2020-05-30	
Zirconium, total	0.023	N/A	0.020	µg/L	2020-05-30	

Sample Qualifiers:

- F1 The sample was not field-filtered and was therefore filtered through a 0.45 µm membrane in the laboratory and preserved with HNO3 prior to analysis for dissolved metals.
- F2 The sample was not field-preserved with HNO3 and was therefore preserved in the laboratory and held for at least 16 hours prior to analysis for total metals.
- FILT The sample has been filtered for DP in the laboratory. Results may not reflect conditions at the time of sampling.
- HT2 The 15 minute recommended holding time (from sampling to analysis) has been exceeded - field analysis is recommended.
- PRES Sample has been preserved for DP in the laboratory and the holding time has been extended.



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT Cherry Ridge Management Creek Monitoring

WORK ORDER REPORTED 0051955
2020-06-01 15:48

Analysis Description	Method Ref.	Technique	Location
Anions in Water	SM 4110 B (2017)	Ion Chromatography	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
Dissolved Metals in Water	EPA 200.8 / EPA 6020B	0.45 µm Filtration / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	Richmond
E. coli in Water	NA / SM 9223 (2017)	Quanti-Tray / Enzyme Substrate Endo Agar	Kelowna
Hardness in Water	SM 2340 B* (2017)	Calculation: 2.497 [total Ca] + 4.118 [total Mg] (Est)	N/A
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 Dissolved in Water	SM 4500-P B.5* (2011) / SM 4500-P F (2017)	Persulfate Digestion / Automated Colorimetry (Ascorbic Acid)	Kelowna
Phosphorus, Total in Water	SM 4500-P B.5* (2011) / SM 4500-P F (2017)	Persulfate Digestion / Automated Colorimetry (Ascorbic Acid)	Kelowna
Total Metals in Water	EPA 200.2* / EPA 6020B	HNO ₃ +HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	Richmond
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

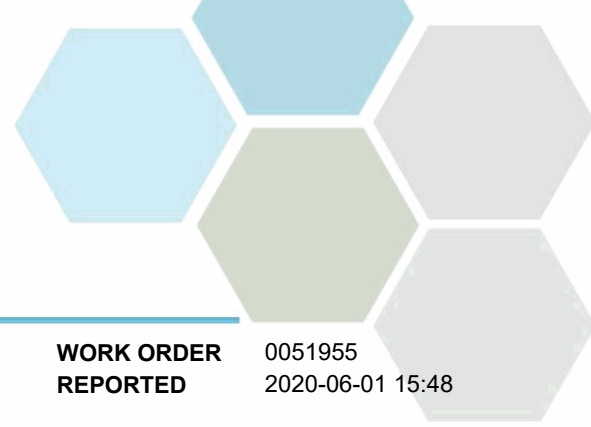
Glossary of Terms:

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
AO	Aesthetic Objective
MAC	Maximum Acceptable Concentration (health based)
mg/L	Milligrams per litre
MPN/100 mL	Most Probable Number per 100 millilitres
NTU	Nephelometric Turbidity Units
OG	Operational Guideline (treated water)
pH units	pH < 7 = acidic, pH > 7 = basic
µg/L	Micrograms per litre
µS/cm	Microsiemens per centimetre
EPA	United States Environmental Protection Agency Test Methods
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 \(Health Canada, Feb 2017\)](#)

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 0051955
REPORTED 2020-06-01 15:48

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 unless otherwise 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 not 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