

**REPORTED TO** Cherry Ridge Management  
37 Hollingsworth Rd  
Cherryville, BC V0E 2G2

**TEL** 1-250-547-9091  
**FAX** -

**ATTENTION** Melanie Staker

**WORK ORDER** 3051428

**PO NUMBER**

**RECEIVED / TEMP** May-27-13 09:10 / 9.0 °C

**PROJECT** Creek Monitoring

**REPORTED** Jun-03-13

**PROJECT INFO**

**COC NUMBER** 04888

**General Comments:**

CARO Analytical Services employs methods which are conducted according to procedures accepted by appropriate regulatory agencies, and/or are conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts, except where otherwise agreed to by the client.

The results in this report apply to the samples analyzed in accordance with the Chain of Custody or Sample Requisition 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.



Issued By:

**Jennifer Shanko, ASCT**  
Administration Coordinator, Kelowna

**Please contact CARO if more information is needed or to provide feedback on our services.**

**Locations:**

#110 4011 Viking Way  
Richmond, BC V6V 2K9  
Tel: 604-279-1499 Fax: 604-279-1599

#102 3677 Highway 97N  
Kelowna, BC V1X 5C3  
Tel: 250-765-9646 Fax: 250-765-3893

17225 109 Avenue  
Edmonton, AB T5S 1H7  
Tel: 780-489-9100 Fax: 780-489-9700

[www.caro.ca](http://www.caro.ca)

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Analysis Description	Method Reference (* = modified from)		Location
	Preparation	Analysis	
Chloride in Water by IC	N/A	APHA 4110 B	Kelowna
Conductivity in Water	N/A	APHA 2510 B	Kelowna
E. coli (Partition Method)	N/A	APHA 9222 G	Kelowna
Fluoride in Water by IC	N/A	APHA 4110 B	Kelowna
Hardness as CaCO3 (CALC)	N/A	APHA 2340 B	Richmond
Nitrate-N in Water by IC	N/A	APHA 4110 B	Kelowna
Nitrite-N in Water by IC	N/A	APHA 4110 B	Kelowna
pH in Water	N/A	APHA 4500-H+ B	Kelowna
Phosphorus, Total Dissolved Kjeldahl	N/A	EPA 365.4 (1974) *	Kelowna
Phosphorus, Total Kjeldahl	N/A	EPA 365.4 (1974) *	Kelowna
Sulfate in Water by IC	N/A	APHA 4110 B	Kelowna
Total Kjeldahl Nitrogen	N/A	EPA 351.2 (1993) *	Kelowna
Total Recoverable Metals	APHA 3030E *	APHA 3125 B	Richmond
Turbidity	N/A	APHA 2130 B	Kelowna

*Note: The numbers in brackets represent the year that the method was published/approved*

**Method Reference Descriptions:**

APHA Standard Methods for the Examination of Water and Wastewater, American Public Health Association  
EPA United States Environmental Protection Agency Test Methods

**Glossary of Terms:**

MRL Method Reporting Limit  
< Less than the Reported Detection Limit (RDL) - the RDL may be higher than the MRL due to various factors such as dilutions, limited sample volume, high moisture, or interferences  
AO Aesthetic objective  
MAC Maximum acceptable concentration (health-related guideline)  
CFU/100mL Colony Forming Units per 100 mL  
mg/L Milligrams per litre  
NTU Nephelometric Turbidity Units  
pH units pH < 7 = acidic, pH > 7 = basic  
uS/cm Microsiemens per centimeter

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Analyte	Result / Recovery	Canadian DW Guideline	MRL / Limit	Units	Prepared	Analyzed	Notes
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**Anions**

**Sample ID: North Fork Cherry Creek (3051428-01) [Water] Sampled: May-26-13 13:35**

Chloride	< 0.10	AO ≤ 250	0.10	mg/L	N/A	May-28-13	
Nitrogen, Nitrate as N	<b>0.044</b>	MAC = 10	0.010	mg/L	N/A	May-28-13	
Nitrogen, Nitrite as N	< 0.010	MAC = 1	0.010	mg/L	N/A	May-28-13	
Sulfate	<b>5.6</b>	AO ≤ 500	1.0	mg/L	N/A	May-28-13	

**Sample ID: South Fork Cherry Creek (3051428-02) [Water] Sampled: May-26-13 12:52**

Chloride	<b>0.72</b>	AO ≤ 250	0.10	mg/L	N/A	May-28-13	
Nitrogen, Nitrate as N	<b>0.135</b>	MAC = 10	0.010	mg/L	N/A	May-28-13	
Nitrogen, Nitrite as N	< 0.010	MAC = 1	0.010	mg/L	N/A	May-28-13	
Sulfate	<b>8.4</b>	AO ≤ 500	1.0	mg/L	N/A	May-28-13	

**Sample ID: Cherry Creek (at Hall) (3051428-03) [Water] Sampled: May-26-13 13:15**

Chloride	<b>0.76</b>	AO ≤ 250	0.10	mg/L	N/A	May-28-13	
Nitrogen, Nitrate as N	<b>0.081</b>	MAC = 10	0.010	mg/L	N/A	May-28-13	
Nitrogen, Nitrite as N	< 0.010	MAC = 1	0.010	mg/L	N/A	May-28-13	
Sulfate	<b>7.6</b>	AO ≤ 500	1.0	mg/L	N/A	May-28-13	

**Sample ID: Shuswap River (Picnic Site) (3051428-04) [Water] Sampled: May-26-13 09:40**

Chloride	<b>0.22</b>	AO ≤ 250	0.10	mg/L	N/A	May-28-13	
Nitrogen, Nitrate as N	<b>0.087</b>	MAC = 10	0.010	mg/L	N/A	May-28-13	
Nitrogen, Nitrite as N	< 0.010	MAC = 1	0.010	mg/L	N/A	May-28-13	
Sulfate	<b>4.0</b>	AO ≤ 500	1.0	mg/L	N/A	May-28-13	

**Sample ID: Ferry Creek (3051428-05) [Water] Sampled: May-26-13 10:00**

Chloride	<b>1.15</b>	AO ≤ 250	0.10	mg/L	N/A	May-28-13	
Nitrogen, Nitrate as N	< 0.010	MAC = 10	0.010	mg/L	N/A	May-28-13	
Nitrogen, Nitrite as N	< 0.010	MAC = 1	0.010	mg/L	N/A	May-28-13	
Sulfate	<b>4.0</b>	AO ≤ 500	1.0	mg/L	N/A	May-28-13	

**General Parameters**

**Sample ID: North Fork Cherry Creek (3051428-01) [Water] Sampled: May-26-13 13:35**

Conductivity (EC)	<b>104</b>		2	uS/cm	N/A	May-28-13	
Nitrogen, Total Kjeldahl	<b>0.24</b>		0.05	mg/L	May-27-13	May-29-13	
pH	<b>7.31</b>	AO = 6.5 - 8.5	0.01	pH units	N/A	May-28-13	
Phosphorus, Total Kjeldahl	<b>0.02</b>		0.01	mg/L	May-27-13	May-29-13	
Phosphorus, Total Kjeldahl Dissolved	<b>0.01</b>		0.01	mg/L	May-27-13	May-29-13	
Turbidity	<b>6.3</b>	See Guidelines	0.1	NTU	May-27-13	May-27-13	

**Sample ID: South Fork Cherry Creek (3051428-02) [Water] Sampled: May-26-13 12:52**

Conductivity (EC)	<b>154</b>		2	uS/cm	N/A	May-28-13	
Nitrogen, Total Kjeldahl	<b>0.28</b>		0.05	mg/L	May-27-13	May-29-13	
pH	<b>7.50</b>	AO = 6.5 - 8.5	0.01	pH units	N/A	May-28-13	
Phosphorus, Total Kjeldahl	<b>0.05</b>		0.01	mg/L	May-27-13	May-29-13	
Phosphorus, Total Kjeldahl Dissolved	<b>0.01</b>		0.01	mg/L	May-27-13	May-29-13	
Turbidity	<b>19.5</b>	See Guidelines	0.1	NTU	May-27-13	May-27-13	

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**General Parameters, Continued**

**Sample ID: Cherry Creek (at Hall) (3051428-03) [Water] Sampled: May-26-13 13:15**

Conductivity (EC)	144		2	uS/cm	N/A	May-28-13	
Nitrogen, Total Kjeldahl	0.23		0.05	mg/L	May-27-13	May-29-13	
pH	7.60	AO = 6.5 - 8.5	0.01	pH units	N/A	May-28-13	
Phosphorus, Total Kjeldahl	0.04		0.01	mg/L	May-27-13	May-29-13	
Phosphorus, Total Kjeldahl Dissolved	0.01		0.01	mg/L	May-27-13	May-29-13	
Turbidity	17.7	See Guidelines	0.1	NTU	May-27-13	May-27-13	

**Sample ID: Shuswap River (Picnic Site) (3051428-04) [Water] Sampled: May-26-13 09:40**

Conductivity (EC)	78		2	uS/cm	N/A	May-28-13	
Nitrogen, Total Kjeldahl	0.23		0.05	mg/L	May-27-13	May-29-13	
pH	7.54	AO = 6.5 - 8.5	0.01	pH units	N/A	May-28-13	
Phosphorus, Total Kjeldahl	0.02		0.01	mg/L	May-27-13	May-29-13	
Phosphorus, Total Kjeldahl Dissolved	0.01		0.01	mg/L	May-27-13	May-29-13	
Turbidity	8.5	See Guidelines	0.1	NTU	May-27-13	May-27-13	

**Sample ID: Ferry Creek (3051428-05) [Water] Sampled: May-26-13 10:00**

Conductivity (EC)	72		2	uS/cm	N/A	May-28-13	
Nitrogen, Total Kjeldahl	0.44		0.05	mg/L	May-27-13	May-29-13	
pH	7.44	AO = 6.5 - 8.5	0.01	pH units	N/A	May-28-13	
Phosphorus, Total Kjeldahl	0.05		0.01	mg/L	May-27-13	May-29-13	
Phosphorus, Total Kjeldahl Dissolved	0.01		0.01	mg/L	May-27-13	May-29-13	
Turbidity	6.7	See Guidelines	0.1	NTU	May-27-13	May-27-13	

**Calculated Parameters**

**Sample ID: North Fork Cherry Creek (3051428-01) [Water] Sampled: May-26-13 13:35**

Hardness, Total (Total as CaCO3)	48.5		5.0	mg/L	N/A	N/A	
Nitrogen, Nitrate+Nitrite as N	0.044		0.020	mg/L	N/A	N/A	
Nitrogen, Total	0.284		0.070	mg/L	N/A	N/A	

**Sample ID: South Fork Cherry Creek (3051428-02) [Water] Sampled: May-26-13 12:52**

Hardness, Total (Total as CaCO3)	77.1		5.0	mg/L	N/A	N/A	
Nitrogen, Nitrate+Nitrite as N	0.135		0.020	mg/L	N/A	N/A	
Nitrogen, Total	0.417		0.070	mg/L	N/A	N/A	

**Sample ID: Cherry Creek (at Hall) (3051428-03) [Water] Sampled: May-26-13 13:15**

Hardness, Total (Total as CaCO3)	67.4		5.0	mg/L	N/A	N/A	
Nitrogen, Nitrate+Nitrite as N	0.081		0.020	mg/L	N/A	N/A	
Nitrogen, Total	0.309		0.070	mg/L	N/A	N/A	

**Sample ID: Shuswap River (Picnic Site) (3051428-04) [Water] Sampled: May-26-13 09:40**

Hardness, Total (Total as CaCO3)	35.4		5.0	mg/L	N/A	N/A	
Nitrogen, Nitrate+Nitrite as N	0.087		0.020	mg/L	N/A	N/A	
Nitrogen, Total	0.320		0.070	mg/L	N/A	N/A	

**Sample ID: Ferry Creek (3051428-05) [Water] Sampled: May-26-13 10:00**

Hardness, Total (Total as CaCO3)	31.6		5.0	mg/L	N/A	N/A	
Nitrogen, Nitrate+Nitrite as N	< 0.020		0.020	mg/L	N/A	N/A	

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**Calculated Parameters, Continued**

**Sample ID: Ferry Creek (3051428-05) [Water] Sampled: May-26-13 10:00, Continued**

Nitrogen, Total	0.441		0.070	mg/L	N/A	N/A	
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**Total Recoverable Metals**

**Sample ID: North Fork Cherry Creek (3051428-01) [Water] Sampled: May-26-13 13:35**

Aluminum, total	0.36	AO ≤ 0.1	0.05	mg/L	May-28-13	May-29-13	
Antimony, total	< 0.001	MAC = 0.006	0.001	mg/L	May-28-13	May-29-13	
Arsenic, total	< 0.005	MAC = 0.01	0.005	mg/L	May-28-13	May-29-13	
Barium, total	< 0.05	MAC = 1	0.05	mg/L	May-28-13	May-29-13	
Beryllium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Bismuth, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Boron, total	< 0.04	MAC = 5	0.04	mg/L	May-28-13	May-29-13	
Cadmium, total	< 0.0001	MAC = 0.005	0.0001	mg/L	May-28-13	May-29-13	
Calcium, total	17		2	mg/L	May-28-13	May-29-13	
Chromium, total	< 0.005	MAC = 0.05	0.005	mg/L	May-28-13	May-29-13	
Cobalt, total	< 0.0005		0.0005	mg/L	May-28-13	May-29-13	
Copper, total	< 0.002	AO ≤ 1	0.002	mg/L	May-28-13	May-29-13	
Iron, total	0.5	AO ≤ 0.3	0.1	mg/L	May-28-13	May-29-13	
Lead, total	< 0.001	MAC = 0.01	0.001	mg/L	May-28-13	May-29-13	
Lithium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Magnesium, total	1.6		0.1	mg/L	May-28-13	May-29-13	
Manganese, total	0.012	AO ≤ 0.05	0.002	mg/L	May-28-13	May-29-13	
Mercury, total	< 0.0002	MAC = 0.001	0.0002	mg/L	May-28-13	May-29-13	
Molybdenum, total	0.001		0.001	mg/L	May-28-13	May-29-13	
Nickel, total	< 0.002		0.002	mg/L	May-28-13	May-29-13	
Phosphorus, total	0.2		0.2	mg/L	May-28-13	May-29-13	
Potassium, total	0.8		0.2	mg/L	May-28-13	May-29-13	
Selenium, total	< 0.005	MAC = 0.01	0.005	mg/L	May-28-13	May-29-13	
Silicon, total	< 5		5	mg/L	May-28-13	May-29-13	
Silver, total	< 0.0005		0.0005	mg/L	May-28-13	May-29-13	
Sodium, total	0.8	AO ≤ 200	0.2	mg/L	May-28-13	May-29-13	
Strontium, total	0.08		0.01	mg/L	May-28-13	May-29-13	
Sulfur, total	< 10		10	mg/L	May-28-13	May-29-13	
Tellurium, total	< 0.002		0.002	mg/L	May-28-13	May-29-13	
Thallium, total	< 0.0002		0.0002	mg/L	May-28-13	May-29-13	
Thorium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Tin, total	< 0.002		0.002	mg/L	May-28-13	May-29-13	
Titanium, total	< 0.05		0.05	mg/L	May-28-13	May-29-13	
Uranium, total	< 0.0002	MAC = 0.02	0.0002	mg/L	May-28-13	May-29-13	
Vanadium, total	< 0.01		0.01	mg/L	May-28-13	May-29-13	
Zinc, total	< 0.04	AO ≤ 5	0.04	mg/L	May-28-13	May-29-13	
Zirconium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	

**Sample ID: South Fork Cherry Creek (3051428-02) [Water] Sampled: May-26-13 12:52**

Aluminum, total	0.69	AO ≤ 0.1	0.05	mg/L	May-28-13	May-29-13	
Antimony, total	< 0.001	MAC = 0.006	0.001	mg/L	May-28-13	May-29-13	

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**Total Recoverable Metals, Continued**

**Sample ID: South Fork Cherry Creek (3051428-02) [Water] Sampled: May-26-13 12:52, Continued**

Arsenic, total	< 0.005	MAC = 0.01	0.005	mg/L	May-28-13	May-29-13	
Barium, total	< 0.05	MAC = 1	0.05	mg/L	May-28-13	May-29-13	
Beryllium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Bismuth, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Boron, total	< 0.04	MAC = 5	0.04	mg/L	May-28-13	May-29-13	
Cadmium, total	< 0.0001	MAC = 0.005	0.0001	mg/L	May-28-13	May-29-13	
Calcium, total	<b>26</b>		2	mg/L	May-28-13	May-29-13	
Chromium, total	< 0.005	MAC = 0.05	0.005	mg/L	May-28-13	May-29-13	
Cobalt, total	< 0.0005		0.0005	mg/L	May-28-13	May-29-13	
Copper, total	< 0.002	AO ≤ 1	0.002	mg/L	May-28-13	May-29-13	
Iron, total	<b>1.0</b>	AO ≤ 0.3	0.1	mg/L	May-28-13	May-29-13	
Lead, total	< 0.001	MAC = 0.01	0.001	mg/L	May-28-13	May-29-13	
Lithium, total	<b>0.001</b>		0.001	mg/L	May-28-13	May-29-13	
Magnesium, total	<b>3.1</b>		0.1	mg/L	May-28-13	May-29-13	
Manganese, total	<b>0.023</b>	AO ≤ 0.05	0.002	mg/L	May-28-13	May-29-13	
Mercury, total	< 0.0002	MAC = 0.001	0.0002	mg/L	May-28-13	May-29-13	
Molybdenum, total	<b>0.001</b>		0.001	mg/L	May-28-13	May-29-13	
Nickel, total	< 0.002		0.002	mg/L	May-28-13	May-29-13	
Phosphorus, total	< 0.2		0.2	mg/L	May-28-13	May-29-13	
Potassium, total	<b>0.6</b>		0.2	mg/L	May-28-13	May-29-13	
Selenium, total	< 0.005	MAC = 0.01	0.005	mg/L	May-28-13	May-29-13	
Silicon, total	< 5		5	mg/L	May-28-13	May-29-13	
Silver, total	< 0.0005		0.0005	mg/L	May-28-13	May-29-13	
Sodium, total	<b>1.1</b>	AO ≤ 200	0.2	mg/L	May-28-13	May-29-13	
Strontium, total	<b>0.13</b>		0.01	mg/L	May-28-13	May-29-13	
Sulfur, total	< 10		10	mg/L	May-28-13	May-29-13	
Tellurium, total	< 0.002		0.002	mg/L	May-28-13	May-29-13	
Thallium, total	< 0.0002		0.0002	mg/L	May-28-13	May-29-13	
Thorium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Tin, total	< 0.002		0.002	mg/L	May-28-13	May-29-13	
Titanium, total	< 0.05		0.05	mg/L	May-28-13	May-29-13	
Uranium, total	<b>0.0003</b>	MAC = 0.02	0.0002	mg/L	May-28-13	May-29-13	
Vanadium, total	< 0.01		0.01	mg/L	May-28-13	May-29-13	
Zinc, total	< 0.04	AO ≤ 5	0.04	mg/L	May-28-13	May-29-13	
Zirconium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	

**Sample ID: Cherry Creek (at Hall) (3051428-03) [Water] Sampled: May-26-13 13:15**

Aluminum, total	<b>0.75</b>	AO ≤ 0.1	0.05	mg/L	May-28-13	May-29-13	
Antimony, total	< 0.001	MAC = 0.006	0.001	mg/L	May-28-13	May-29-13	
Arsenic, total	< 0.005	MAC = 0.01	0.005	mg/L	May-28-13	May-29-13	
Barium, total	< 0.05	MAC = 1	0.05	mg/L	May-28-13	May-29-13	
Beryllium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Bismuth, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Boron, total	< 0.04	MAC = 5	0.04	mg/L	May-28-13	May-29-13	
Cadmium, total	< 0.0001	MAC = 0.005	0.0001	mg/L	May-28-13	May-29-13	
Calcium, total	<b>22</b>		2	mg/L	May-28-13	May-29-13	

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**Total Recoverable Metals, Continued**

**Sample ID: Cherry Creek (at Hall) (3051428-03) [Water] Sampled: May-26-13 13:15, Continued**

Chromium, total	< 0.005	MAC = 0.05	0.005	mg/L	May-28-13	May-29-13	
Cobalt, total	< 0.0005		0.0005	mg/L	May-28-13	May-29-13	
Copper, total	< 0.002	AO ≤ 1	0.002	mg/L	May-28-13	May-29-13	
Iron, total	1.1	AO ≤ 0.3	0.1	mg/L	May-28-13	May-29-13	
Lead, total	< 0.001	MAC = 0.01	0.001	mg/L	May-28-13	May-29-13	
Lithium, total	0.001		0.001	mg/L	May-28-13	May-29-13	
Magnesium, total	3.1		0.1	mg/L	May-28-13	May-29-13	
Manganese, total	0.025	AO ≤ 0.05	0.002	mg/L	May-28-13	May-29-13	
Mercury, total	< 0.0002	MAC = 0.001	0.0002	mg/L	May-28-13	May-29-13	
Molybdenum, total	0.001		0.001	mg/L	May-28-13	May-29-13	
Nickel, total	< 0.002		0.002	mg/L	May-28-13	May-29-13	
Phosphorus, total	0.2		0.2	mg/L	May-28-13	May-29-13	
Potassium, total	0.7		0.2	mg/L	May-28-13	May-29-13	
Selenium, total	< 0.005	MAC = 0.01	0.005	mg/L	May-28-13	May-29-13	
Silicon, total	< 5		5	mg/L	May-28-13	May-29-13	
Silver, total	< 0.0005		0.0005	mg/L	May-28-13	May-29-13	
Sodium, total	1.3	AO ≤ 200	0.2	mg/L	May-28-13	May-29-13	
Strontium, total	0.12		0.01	mg/L	May-28-13	May-29-13	
Sulfur, total	< 10		10	mg/L	May-28-13	May-29-13	
Tellurium, total	< 0.002		0.002	mg/L	May-28-13	May-29-13	
Thallium, total	< 0.0002		0.0002	mg/L	May-28-13	May-29-13	
Thorium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Tin, total	< 0.002		0.002	mg/L	May-28-13	May-29-13	
Titanium, total	< 0.05		0.05	mg/L	May-28-13	May-29-13	
Uranium, total	0.0002	MAC = 0.02	0.0002	mg/L	May-28-13	May-29-13	
Vanadium, total	< 0.01		0.01	mg/L	May-28-13	May-29-13	
Zinc, total	< 0.04	AO ≤ 5	0.04	mg/L	May-28-13	May-29-13	
Zirconium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	

**Sample ID: Shuswap River (Picnic Site) (3051428-04) [Water] Sampled: May-26-13 09:40**

Aluminum, total	0.37	AO ≤ 0.1	0.05	mg/L	May-28-13	May-29-13	
Antimony, total	< 0.001	MAC = 0.006	0.001	mg/L	May-28-13	May-29-13	
Arsenic, total	< 0.005	MAC = 0.01	0.005	mg/L	May-28-13	May-29-13	
Barium, total	< 0.05	MAC = 1	0.05	mg/L	May-28-13	May-29-13	
Beryllium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Bismuth, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Boron, total	< 0.04	MAC = 5	0.04	mg/L	May-28-13	May-29-13	
Cadmium, total	< 0.0001	MAC = 0.005	0.0001	mg/L	May-28-13	May-29-13	
Calcium, total	12		2	mg/L	May-28-13	May-29-13	
Chromium, total	< 0.005	MAC = 0.05	0.005	mg/L	May-28-13	May-29-13	
Cobalt, total	< 0.0005		0.0005	mg/L	May-28-13	May-29-13	
Copper, total	< 0.002	AO ≤ 1	0.002	mg/L	May-28-13	May-29-13	
Iron, total	0.6	AO ≤ 0.3	0.1	mg/L	May-28-13	May-29-13	
Lead, total	< 0.001	MAC = 0.01	0.001	mg/L	May-28-13	May-29-13	
Lithium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Magnesium, total	1.4		0.1	mg/L	May-28-13	May-29-13	



**REPORTED TO PROJECT** Cherry Ridge Management  
Creek Monitoring

**WORK ORDER REPORTED** 3051428  
Jun-03-13

Analyte	Result / Recovery	Canadian DW Guideline	MRL / Limit	Units	Prepared	Analyzed	Notes
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**Total Recoverable Metals, Continued**

**Sample ID: Shuswap River (Picnic Site) (3051428-04) [Water] Sampled: May-26-13 09:40, Continued**

Manganese, total	0.016	AO ≤ 0.05	0.002	mg/L	May-28-13	May-29-13	
Mercury, total	< 0.0002	MAC = 0.001	0.0002	mg/L	May-28-13	May-29-13	
Molybdenum, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Nickel, total	< 0.002		0.002	mg/L	May-28-13	May-29-13	
Phosphorus, total	0.2		0.2	mg/L	May-28-13	May-29-13	
Potassium, total	0.8		0.2	mg/L	May-28-13	May-29-13	
Selenium, total	< 0.005	MAC = 0.01	0.005	mg/L	May-28-13	May-29-13	
Silicon, total	< 5		5	mg/L	May-28-13	May-29-13	
Silver, total	< 0.0005		0.0005	mg/L	May-28-13	May-29-13	
Sodium, total	1.2	AO ≤ 200	0.2	mg/L	May-28-13	May-29-13	
Strontium, total	0.05		0.01	mg/L	May-28-13	May-29-13	
Sulfur, total	< 10		10	mg/L	May-28-13	May-29-13	
Tellurium, total	< 0.002		0.002	mg/L	May-28-13	May-29-13	
Thallium, total	< 0.0002		0.0002	mg/L	May-28-13	May-29-13	
Thorium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Tin, total	< 0.002		0.002	mg/L	May-28-13	May-29-13	
Titanium, total	< 0.05		0.05	mg/L	May-28-13	May-29-13	
Uranium, total	0.0002	MAC = 0.02	0.0002	mg/L	May-28-13	May-29-13	
Vanadium, total	< 0.01		0.01	mg/L	May-28-13	May-29-13	
Zinc, total	< 0.04	AO ≤ 5	0.04	mg/L	May-28-13	May-29-13	
Zirconium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	

**Sample ID: Ferry Creek (3051428-05) [Water] Sampled: May-26-13 10:00**

Aluminum, total	0.42	AO ≤ 0.1	0.05	mg/L	May-28-13	May-29-13	
Antimony, total	< 0.001	MAC = 0.006	0.001	mg/L	May-28-13	May-29-13	
Arsenic, total	< 0.005	MAC = 0.01	0.005	mg/L	May-28-13	May-29-13	
Barium, total	< 0.05	MAC = 1	0.05	mg/L	May-28-13	May-29-13	
Beryllium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Bismuth, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Boron, total	< 0.04	MAC = 5	0.04	mg/L	May-28-13	May-29-13	
Cadmium, total	< 0.0001	MAC = 0.005	0.0001	mg/L	May-28-13	May-29-13	
Calcium, total	9		2	mg/L	May-28-13	May-29-13	
Chromium, total	< 0.005	MAC = 0.05	0.005	mg/L	May-28-13	May-29-13	
Cobalt, total	< 0.0005		0.0005	mg/L	May-28-13	May-29-13	
Copper, total	< 0.002	AO ≤ 1	0.002	mg/L	May-28-13	May-29-13	
Iron, total	0.5	AO ≤ 0.3	0.1	mg/L	May-28-13	May-29-13	
Lead, total	< 0.001	MAC = 0.01	0.001	mg/L	May-28-13	May-29-13	
Lithium, total	0.001		0.001	mg/L	May-28-13	May-29-13	
Magnesium, total	2.1		0.1	mg/L	May-28-13	May-29-13	
Manganese, total	0.013	AO ≤ 0.05	0.002	mg/L	May-28-13	May-29-13	
Mercury, total	< 0.0002	MAC = 0.001	0.0002	mg/L	May-28-13	May-29-13	
Molybdenum, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Nickel, total	< 0.002		0.002	mg/L	May-28-13	May-29-13	
Phosphorus, total	< 0.2		0.2	mg/L	May-28-13	May-29-13	
Potassium, total	0.8		0.2	mg/L	May-28-13	May-29-13	
Selenium, total	< 0.005	MAC = 0.01	0.005	mg/L	May-28-13	May-29-13	



**REPORTED TO PROJECT** Cherry Ridge Management  
Creek Monitoring

**WORK ORDER REPORTED** 3051428  
Jun-03-13

Analyte	Result / Recovery	Canadian DW Guideline	MRL / Limit	Units	Prepared	Analyzed	Notes
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**Total Recoverable Metals, Continued**

**Sample ID: Ferry Creek (3051428-05) [Water] Sampled: May-26-13 10:00, Continued**

Silicon, total	7		5	mg/L	May-28-13	May-29-13	
Silver, total	< 0.0005		0.0005	mg/L	May-28-13	May-29-13	
Sodium, total	2.0	AO ≤ 200	0.2	mg/L	May-28-13	May-29-13	
Strontium, total	0.06		0.01	mg/L	May-28-13	May-29-13	
Sulfur, total	< 10		10	mg/L	May-28-13	May-29-13	
Tellurium, total	< 0.002		0.002	mg/L	May-28-13	May-29-13	
Thallium, total	< 0.0002		0.0002	mg/L	May-28-13	May-29-13	
Thorium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	
Tin, total	< 0.002		0.002	mg/L	May-28-13	May-29-13	
Titanium, total	< 0.05		0.05	mg/L	May-28-13	May-29-13	
Uranium, total	< 0.0002	MAC = 0.02	0.0002	mg/L	May-28-13	May-29-13	
Vanadium, total	< 0.01		0.01	mg/L	May-28-13	May-29-13	
Zinc, total	< 0.04	AO ≤ 5	0.04	mg/L	May-28-13	May-29-13	
Zirconium, total	< 0.001		0.001	mg/L	May-28-13	May-29-13	

**Microbiological Parameters**

**Sample ID: North Fork Cherry Creek (3051428-01) [Water] Sampled: May-26-13 13:35**

E. coli	< 1	MAC < 1	1	CFU/100mL	May-27-13	May-28-13	
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**Sample ID: South Fork Cherry Creek (3051428-02) [Water] Sampled: May-26-13 12:52**

E. coli	1	MAC < 1	1	CFU/100mL	May-27-13	May-28-13	
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**Sample ID: Cherry Creek (at Hall) (3051428-03) [Water] Sampled: May-26-13 13:15**

E. coli	10	MAC < 1	1	CFU/100mL	May-27-13	May-28-13	
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**Sample ID: Shuswap River (Picnic Site) (3051428-04) [Water] Sampled: May-26-13 09:40**

E. coli	3	MAC < 1	1	CFU/100mL	May-27-13	May-28-13	
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**Sample ID: Ferry Creek (3051428-05) [Water] Sampled: May-26-13 10:00**

E. coli	2	MAC < 1	1	CFU/100mL	May-27-13	May-28-13	
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