

<b>REPORTED TO</b>	Mid Shuswap Lumby Water Stewards 1631 Mable Lake Rd Lumby, BC V0E 2G6	<b>TEL</b>	(250) 547-2554
		<b>FAX</b>	-
<b>ATTENTION</b>	Russ Collins	<b>WORK ORDER</b>	6052214
<b>PO NUMBER</b>		<b>RECEIVED / TEMP</b>	2016-05-30 09:00 / 8°C
<b>PROJECT</b>	Analytical Testing	<b>REPORTED</b>	2016-06-17
<b>PROJECT INFO</b>		<b>COC NUMBER</b>	40837.5581

**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.



Authorized By: **Ed Hoppe, B.Sc., P.Chem.**  
Division Manager, Kelowna

**If you have any questions or concerns, please contact your Account Manager:**  
***Kristin McKeown (kmckeown@caro.ca)***

**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)

**REPORTED TO PROJECT** Mid Shuswap Lumby Water Stewards  
Analytical Testing

**WORK ORDER REPORTED** 6052214  
2016-06-17

Analysis Description	Method Reference	Technique	Location
Ammonia, Total in Water	APHA 4500-NH3 G*	Automated Colorimetry (Phenate)	Kelowna
Anions by IC in Water	APHA 4110 B	Ion Chromatography with Chemical Suppression of Eluent Conductivity	Kelowna
Conductivity in Water	APHA 2510 B	Conductivity Meter	Kelowna
Dissolved Metals by ICPMS in Water	APHA 3030 B / APHA 3125 B	0.45 µm Filtration / Inductively Coupled Plasma Mass Spectrometry (ICP-MS)	Richmond
E. coli (MF-NA+MUG) in Water	APHA 9222 G	Membrane Filtration / Nutrient Agar with MUG	Kelowna
Hardness (as CaCO3) in Water	APHA 2340 B*	Calculation: 2.497 [total Ca] + 4.118 [total Mg] (Estimated)	N/A
Nitrogen, Total Kjeldahl in Water	APHA 4500-Norg D*	Block Digestion and Flow Injection Analysis	Kelowna
pH in Water	APHA 4500-H+ B	Electrometry	Kelowna
Phosphorus, Total by Colorimetry in Water	APHA 4500-P B.5* / APHA 4500-P F	Persulfate Digestion / Automated Colorimetry (Ascorbic Acid)	Kelowna
Phosphorus, Total Dissolved by Colorimetry in Water	APHA 4500-P B.5* / APHA 4500-P F	Persulfate Digestion / Automated Colorimetry (Ascorbic Acid)	Kelowna
Total Metals by ICPMS in Water	APHA 3030E* / APHA 3125 B	HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma Mass Spectrometry (ICP-MS)	Richmond
Turbidity in Water	APHA 2130 B	Nephelometry	Kelowna

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

**Method Reference Descriptions:**

APHA Standard Methods for the Examination of Water and Wastewater, 22nd Edition, American Public Health Association/American Water Works Association/Water Environment Federation

**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 based)
OG	Operational guideline (treated water)
CFU/100 mL	Colony Forming Units per 100 millilitres
mg/L	Milligrams per litre
NTU	Nephelometric Turbidity Units
pH units	pH < 7 = acidic, pH > 7 = basic
µg/L	Micrograms per litre
µS/cm	Microsiemens per centimetre

**Standards / Guidelines Referenced in this Report:**

Guidelines for Canadian Drinking Water Quality (Oct 2014)

Website: [http://www.hc-sc.gc.ca/ewh-semt/alt\\_formats/pdf/pubs/water-eau/sum\\_guide-res\\_recom/sum\\_guide-res\\_recom-eng.pdf](http://www.hc-sc.gc.ca/ewh-semt/alt_formats/pdf/pubs/water-eau/sum_guide-res_recom/sum_guide-res_recom-eng.pdf)

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

**REPORTED TO PROJECT** Mid Shuswap Lumby Water Stewards  
Analytical Testing

**WORK ORDER REPORTED** 6052214  
2016-06-17

Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
---------	-------------------	----------------------	--------------	-------	----------	----------	-------

**Sample ID: Harris Creek (Hwy 6) (6052214-01) [Water] Sampled: 2016-05-29 11:15**

**F1, FILT, PRES**

**Anions**

Chloride	1.06	AO ≤ 250	0.10	mg/L	N/A	2016-06-01	
Nitrate (as N)	< 0.010	MAC = 10	0.010	mg/L	N/A	2016-06-01	
Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	N/A	2016-06-01	
Sulfate	4.7	AO ≤ 500	1.0	mg/L	N/A	2016-06-01	

**General Parameters**

Ammonia, Total (as N)	< 0.020	N/A	0.020	mg/L	N/A	2016-06-03	
Conductivity (EC)	52	N/A	2	µS/cm	N/A	2016-06-04	
Nitrogen, Total Kjeldahl	0.23	N/A	0.05	mg/L	2016-06-01	2016-06-02	
pH	6.83	6.5-8.5	0.01	pH units	N/A	2016-06-04	HT2
Phosphorus, Total (as P)	0.028	N/A	0.002	mg/L	2016-06-02	2016-06-03	
Phosphorus, Total Dissolved	0.013	N/A	0.002	mg/L	2016-06-02	2016-06-03	
Turbidity	2.57	OG < 0.1	0.10	NTU	N/A	2016-05-30	

**Calculated Parameters**

Hardness, Total (as CaCO3)	24.7	N/A	0.1	mg/L	N/A	N/A	
Nitrate+Nitrite (as N)	< 0.010	N/A	0.010	mg/L	N/A	N/A	
Nitrogen, Total	0.226	N/A	0.050	mg/L	N/A	N/A	

**Dissolved Metals**

Aluminum, dissolved	91	N/A	1	µg/L	N/A	2016-06-03	
---------------------	----	-----	---	------	-----	------------	--

**Total Recoverable Metals**

Aluminum, total	300	OG < 100	1	µg/L	2016-06-02	2016-06-03	
Antimony, total	< 0.05	MAC = 6	0.05	µg/L	2016-06-02	2016-06-03	
Arsenic, total	0.26	MAC = 10	0.05	µg/L	2016-06-02	2016-06-03	
Barium, total	8.6	MAC = 1000	0.1	µg/L	2016-06-02	2016-06-03	
Beryllium, total	0.02	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Bismuth, total	< 0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Boron, total	4	MAC = 5000	1	µg/L	2016-06-02	2016-06-03	
Cadmium, total	0.010	MAC = 5	0.002	µg/L	2016-06-02	2016-06-03	
Calcium, total	6870	N/A	40	µg/L	2016-06-02	2016-06-03	
Chromium, total	0.2	MAC = 50	0.1	µg/L	2016-06-02	2016-06-03	
Cobalt, total	0.192	N/A	0.005	µg/L	2016-06-02	2016-06-03	
Copper, total	2.4	AO ≤ 1000	0.1	µg/L	2016-06-02	2016-06-03	
Iron, total	395	AO ≤ 300	2	µg/L	2016-06-02	2016-06-03	
Lead, total	0.09	MAC = 10	0.05	µg/L	2016-06-02	2016-06-03	
Lithium, total	1.41	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Magnesium, total	1840	N/A	5.0	µg/L	2016-06-02	2016-06-03	
Manganese, total	15.7	AO ≤ 50	0.05	µg/L	2016-06-02	2016-06-03	
Molybdenum, total	0.42	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Nickel, total	6.96	N/A	0.02	µg/L	2016-06-02	2016-06-03	
Phosphorus, total	27	N/A	10	µg/L	2016-06-02	2016-06-03	
Potassium, total	984	N/A	10	µg/L	2016-06-02	2016-06-03	
Selenium, total	0.2	MAC = 50	0.1	µg/L	2016-06-02	2016-06-03	
Silicon, total	6200	N/A	50	µg/L	2016-06-02	2016-06-03	

**REPORTED TO PROJECT** Mid Shuswap Lumby Water Stewards  
Analytical Testing

**WORK ORDER REPORTED** 6052214  
2016-06-17

Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
---------	-------------------	----------------------	--------------	-------	----------	----------	-------

**Sample ID: Harris Creek (Hwy 6) (6052214-01) [Water] Sampled: 2016-05-29 11:15, Continued**

F1, FILT,  
PRES

**Total Recoverable Metals, Continued**

Silver, total	< 0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Sodium, total	<b>1910</b>	AO ≤ 200000	10	µg/L	2016-06-02	2016-06-03	
Strontium, total	<b>39.3</b>	N/A	0.1	µg/L	2016-06-02	2016-06-03	
Sulfur, total	<b>1300</b>	N/A	500	µg/L	2016-06-02	2016-06-03	
Tellurium, total	< 0.05	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Thallium, total	<b>0.007</b>	N/A	0.004	µg/L	2016-06-02	2016-06-03	
Thorium, total	<b>0.04</b>	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Tin, total	<b>0.07</b>	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Titanium, total	<b>17.2</b>	N/A	0.2	µg/L	2016-06-02	2016-06-03	
Uranium, total	<b>0.192</b>	MAC = 20	0.001	µg/L	2016-06-02	2016-06-03	
Vanadium, total	<b>1.0</b>	N/A	0.2	µg/L	2016-06-02	2016-06-03	
Zinc, total	<b>3</b>	AO ≤ 5000	1	µg/L	2016-06-02	2016-06-03	
Zirconium, total	<b>0.76</b>	N/A	0.02	µg/L	2016-06-02	2016-06-03	

**Microbiological Parameters**

E. coli	<b>23</b>	MAC = None Detected	1	CFU/100 mL	N/A	2016-05-30	
---------	-----------	---------------------	---	------------	-----	------------	--

**Sample ID: Duteau Creek (Hwy 6) (6052214-02) [Water] Sampled: 2016-05-29 11:00**

F1, FILT,  
PRESa

**Anions**

Chloride	<b>2.31</b>	AO ≤ 250	0.10	mg/L	N/A	2016-06-01	
Nitrate (as N)	<b>0.027</b>	MAC = 10	0.010	mg/L	N/A	2016-06-01	
Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	N/A	2016-06-01	
Sulfate	<b>5.7</b>	AO ≤ 500	1.0	mg/L	N/A	2016-06-01	

**General Parameters**

Ammonia, Total (as N)	< 0.020	N/A	0.020	mg/L	N/A	2016-06-03	
Conductivity (EC)	<b>72</b>	N/A	2	µS/cm	N/A	2016-06-04	
Nitrogen, Total Kjeldahl	<b>0.43</b>	N/A	0.05	mg/L	2016-06-01	2016-06-02	
pH	<b>6.78</b>	6.5-8.5	0.01	pH units	N/A	2016-06-04	HT2
Phosphorus, Total (as P)	<b>0.034</b>	N/A	0.002	mg/L	2016-06-02	2016-06-03	
Phosphorus, Total Dissolved	<b>0.011</b>	N/A	0.002	mg/L	2016-06-02	2016-06-03	
Turbidity	<b>3.96</b>	OG < 0.1	0.10	NTU	N/A	2016-05-30	

**Calculated Parameters**

Hardness, Total (as CaCO <sub>3</sub> )	<b>33.9</b>	N/A	0.1	mg/L	N/A	N/A	
Nitrate+Nitrite (as N)	<b>0.027</b>	N/A	0.010	mg/L	N/A	N/A	
Nitrogen, Total	<b>0.453</b>	N/A	0.050	mg/L	N/A	N/A	

**Dissolved Metals**

Aluminum, dissolved	<b>60</b>	N/A	1	µg/L	N/A	2016-06-03	
---------------------	-----------	-----	---	------	-----	------------	--

**Total Recoverable Metals**

Aluminum, total	<b>317</b>	OG < 100	1	µg/L	2016-06-02	2016-06-03	
Antimony, total	< 0.05	MAC = 6	0.05	µg/L	2016-06-02	2016-06-03	

**REPORTED TO PROJECT** Mid Shuswap Lumby Water Stewards  
Analytical Testing

**WORK ORDER REPORTED** 6052214  
2016-06-17

Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
---------	-------------------	----------------------	--------------	-------	----------	----------	-------

**Sample ID: Duteau Creek (Hwy 6) (6052214-02) [Water] Sampled: 2016-05-29 11:00, Continued**

F1, FILT,  
PRESa

**Total Recoverable Metals, Continued**

Arsenic, total	0.23	MAC = 10	0.05	µg/L	2016-06-02	2016-06-03	
Barium, total	16.0	MAC = 1000	0.1	µg/L	2016-06-02	2016-06-03	
Beryllium, total	0.02	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Bismuth, total	< 0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Boron, total	3	MAC = 5000	1	µg/L	2016-06-02	2016-06-03	
Cadmium, total	0.018	MAC = 5	0.002	µg/L	2016-06-02	2016-06-03	
Calcium, total	9670	N/A	40	µg/L	2016-06-02	2016-06-03	
Chromium, total	0.4	MAC = 50	0.1	µg/L	2016-06-02	2016-06-03	
Cobalt, total	0.275	N/A	0.005	µg/L	2016-06-02	2016-06-03	
Copper, total	1.7	AO ≤ 1000	0.1	µg/L	2016-06-02	2016-06-03	
Iron, total	656	AO ≤ 300	2	µg/L	2016-06-02	2016-06-03	
Lead, total	0.14	MAC = 10	0.05	µg/L	2016-06-02	2016-06-03	
Lithium, total	1.02	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Magnesium, total	2370	N/A	5.0	µg/L	2016-06-02	2016-06-03	
Manganese, total	45.0	AO ≤ 50	0.05	µg/L	2016-06-02	2016-06-03	
Molybdenum, total	0.56	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Nickel, total	1.54	N/A	0.02	µg/L	2016-06-02	2016-06-03	
Phosphorus, total	36	N/A	10	µg/L	2016-06-02	2016-06-03	
Potassium, total	1180	N/A	10	µg/L	2016-06-02	2016-06-03	
Selenium, total	0.2	MAC = 50	0.1	µg/L	2016-06-02	2016-06-03	
Silicon, total	6200	N/A	50	µg/L	2016-06-02	2016-06-03	
Silver, total	< 0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Sodium, total	2200	AO ≤ 200000	10	µg/L	2016-06-02	2016-06-03	
Strontium, total	56.6	N/A	0.1	µg/L	2016-06-02	2016-06-03	
Sulfur, total	1700	N/A	500	µg/L	2016-06-02	2016-06-03	
Tellurium, total	< 0.05	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Thallium, total	0.006	N/A	0.004	µg/L	2016-06-02	2016-06-03	
Thorium, total	0.05	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Tin, total	< 0.05	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Titanium, total	20.2	N/A	0.2	µg/L	2016-06-02	2016-06-03	
Uranium, total	0.239	MAC = 20	0.001	µg/L	2016-06-02	2016-06-03	
Vanadium, total	1.4	N/A	0.2	µg/L	2016-06-02	2016-06-03	
Zinc, total	2	AO ≤ 5000	1	µg/L	2016-06-02	2016-06-03	
Zirconium, total	0.57	N/A	0.02	µg/L	2016-06-02	2016-06-03	

**Microbiological Parameters**

E. coli	82	MAC = None Detected	1	CFU/100 mL	N/A	2016-05-30	
---------	----	---------------------	---	------------	-----	------------	--

**Sample ID: Mid Bessette Creek (6052214-03) [Water] Sampled: 2016-05-29 10:30**

F1, FILT,  
PRESa

**Anions**

Chloride	2.35	AO ≤ 250	0.10	mg/L	N/A	2016-06-01	
Nitrate (as N)	0.024	MAC = 10	0.010	mg/L	N/A	2016-06-01	

**REPORTED TO PROJECT** Mid Shuswap Lumby Water Stewards  
Analytical Testing

**WORK ORDER REPORTED** 6052214  
2016-06-17

Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
---------	-------------------	----------------------	--------------	-------	----------	----------	-------

**Sample ID: Mid Bessette Creek (6052214-03) [Water] Sampled: 2016-05-29 10:30, Continued**

F1, FILT,  
PRESa

**Anions, Continued**

Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	N/A	2016-06-01	
Sulfate	<b>7.6</b>	AO ≤ 500	1.0	mg/L	N/A	2016-06-01	

**General Parameters**

Ammonia, Total (as N)	< 0.020	N/A	0.020	mg/L	N/A	2016-06-03	
Conductivity (EC)	<b>88</b>	N/A	2	µS/cm	N/A	2016-06-04	
Nitrogen, Total Kjeldahl	<b>0.34</b>	N/A	0.05	mg/L	2016-06-01	2016-06-02	
pH	<b>6.99</b>	6.5-8.5	0.01	pH units	N/A	2016-06-04	HT2
Phosphorus, Total (as P)	<b>0.049</b>	N/A	0.002	mg/L	2016-06-02	2016-06-03	
Phosphorus, Total Dissolved	<b>0.016</b>	N/A	0.002	mg/L	2016-06-02	2016-06-03	
Turbidity	<b>6.40</b>	OG < 0.1	0.10	NTU	N/A	2016-05-30	

**Calculated Parameters**

Hardness, Total (as CaCO3)	<b>43.6</b>	N/A	0.1	mg/L	N/A	N/A	
Nitrate+Nitrite (as N)	<b>0.024</b>	N/A	0.010	mg/L	N/A	N/A	
Nitrogen, Total	<b>0.362</b>	N/A	0.050	mg/L	N/A	N/A	

**Dissolved Metals**

Aluminum, dissolved	<b>65</b>	N/A	1	µg/L	N/A	2016-06-03	
---------------------	-----------	-----	---	------	-----	------------	--

**Total Recoverable Metals**

Aluminum, total	<b>727</b>	OG < 100	1	µg/L	2016-06-02	2016-06-03	
Antimony, total	< 0.05	MAC = 6	0.05	µg/L	2016-06-02	2016-06-03	
Arsenic, total	<b>0.41</b>	MAC = 10	0.05	µg/L	2016-06-02	2016-06-03	
Barium, total	<b>18.1</b>	MAC = 1000	0.1	µg/L	2016-06-02	2016-06-03	
Beryllium, total	<b>0.04</b>	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Bismuth, total	< 0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Boron, total	<b>3</b>	MAC = 5000	1	µg/L	2016-06-02	2016-06-03	
Cadmium, total	<b>0.033</b>	MAC = 5	0.002	µg/L	2016-06-02	2016-06-03	
Calcium, total	<b>13000</b>	N/A	40	µg/L	2016-06-02	2016-06-03	
Chromium, total	<b>1.0</b>	MAC = 50	0.1	µg/L	2016-06-02	2016-06-03	
Cobalt, total	<b>0.541</b>	N/A	0.005	µg/L	2016-06-02	2016-06-03	
Copper, total	<b>3.0</b>	AO ≤ 1000	0.1	µg/L	2016-06-02	2016-06-03	
Iron, total	<b>1170</b>	AO ≤ 300	2	µg/L	2016-06-02	2016-06-03	
Lead, total	<b>0.30</b>	MAC = 10	0.05	µg/L	2016-06-02	2016-06-03	
Lithium, total	<b>1.79</b>	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Magnesium, total	<b>2690</b>	N/A	5.0	µg/L	2016-06-02	2016-06-03	
Manganese, total	<b>41.5</b>	AO ≤ 50	0.05	µg/L	2016-06-02	2016-06-03	
Molybdenum, total	<b>0.75</b>	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Nickel, total	<b>5.52</b>	N/A	0.02	µg/L	2016-06-02	2016-06-03	
Phosphorus, total	<b>84</b>	N/A	10	µg/L	2016-06-02	2016-06-03	
Potassium, total	<b>1240</b>	N/A	10	µg/L	2016-06-02	2016-06-03	
Selenium, total	<b>0.5</b>	MAC = 50	0.1	µg/L	2016-06-02	2016-06-03	
Silicon, total	<b>7300</b>	N/A	50	µg/L	2016-06-02	2016-06-03	
Silver, total	<b>0.01</b>	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Sodium, total	<b>2350</b>	AO ≤ 200000	10	µg/L	2016-06-02	2016-06-03	

**REPORTED TO PROJECT** Mid Shuswap Lumby Water Stewards  
Analytical Testing

**WORK ORDER REPORTED** 6052214  
2016-06-17

Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
---------	-------------------	----------------------	--------------	-------	----------	----------	-------

**Sample ID: Mid Bessette Creek (6052214-03) [Water] Sampled: 2016-05-29 10:30, Continued**

F1, FILT,  
PRESa

**Total Recoverable Metals, Continued**

Strontium, total	76.4	N/A	0.1	µg/L	2016-06-02	2016-06-03	
Sulfur, total	2100	N/A	500	µg/L	2016-06-02	2016-06-03	
Tellurium, total	< 0.05	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Thallium, total	0.012	N/A	0.004	µg/L	2016-06-02	2016-06-03	
Thorium, total	0.10	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Tin, total	< 0.05	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Titanium, total	51.9	N/A	0.2	µg/L	2016-06-02	2016-06-03	
Uranium, total	0.330	MAC = 20	0.001	µg/L	2016-06-02	2016-06-03	
Vanadium, total	2.6	N/A	0.2	µg/L	2016-06-02	2016-06-03	
Zinc, total	5	AO ≤ 5000	1	µg/L	2016-06-02	2016-06-03	
Zirconium, total	0.78	N/A	0.02	µg/L	2016-06-02	2016-06-03	

**Microbiological Parameters**

E. coli	71	MAC = None Detected	1	CFU/100 mL	N/A	2016-05-30	
---------	----	---------------------	---	------------	-----	------------	--

**Sample ID: Lower Bessette Creek (6052214-04) [Water] Sampled: 2016-05-29 10:15**

F1, FILT,  
PRESa

**Anions**

Chloride	2.13	AO ≤ 250	0.10	mg/L	N/A	2016-06-01	
Nitrate (as N)	0.019	MAC = 10	0.010	mg/L	N/A	2016-06-01	
Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	N/A	2016-06-01	
Sulfate	8.0	AO ≤ 500	1.0	mg/L	N/A	2016-06-01	

**General Parameters**

Ammonia, Total (as N)	< 0.020	N/A	0.020	mg/L	N/A	2016-06-03	
Conductivity (EC)	91	N/A	2	µS/cm	N/A	2016-06-04	
Nitrogen, Total Kjeldahl	0.25	N/A	0.05	mg/L	2016-06-01	2016-06-02	
pH	7.07	6.5-8.5	0.01	pH units	N/A	2016-06-04	HT2
Phosphorus, Total (as P)	0.050	N/A	0.002	mg/L	2016-06-02	2016-06-03	
Phosphorus, Total Dissolved	0.011	N/A	0.002	mg/L	2016-06-02	2016-06-03	
Turbidity	11.1	OG < 0.1	0.10	NTU	N/A	2016-05-30	

**Calculated Parameters**

Hardness, Total (as CaCO <sub>3</sub> )	45.3	N/A	0.1	mg/L	N/A	N/A	
Nitrate+Nitrite (as N)	0.019	N/A	0.010	mg/L	N/A	N/A	
Nitrogen, Total	0.272	N/A	0.050	mg/L	N/A	N/A	

**Dissolved Metals**

Aluminum, dissolved	61	N/A	1	µg/L	N/A	2016-06-03	
---------------------	----	-----	---	------	-----	------------	--

**Total Recoverable Metals**

Aluminum, total	753	OG < 100	1	µg/L	2016-06-02	2016-06-03	
Antimony, total	< 0.05	MAC = 6	0.05	µg/L	2016-06-02	2016-06-03	
Arsenic, total	0.44	MAC = 10	0.05	µg/L	2016-06-02	2016-06-03	
Barium, total	17.6	MAC = 1000	0.1	µg/L	2016-06-02	2016-06-03	

**REPORTED TO PROJECT** Mid Shuswap Lumby Water Stewards  
Analytical Testing

**WORK ORDER REPORTED** 6052214  
2016-06-17

Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
---------	-------------------	----------------------	--------------	-------	----------	----------	-------

**Sample ID: Lower Bessette Creek (6052214-04) [Water] Sampled: 2016-05-29 10:15, Continued**

F1, FILT,  
PRESa

**Total Recoverable Metals, Continued**

Beryllium, total	0.03	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Bismuth, total	< 0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Boron, total	3	MAC = 5000	1	µg/L	2016-06-02	2016-06-03	
Cadmium, total	0.034	MAC = 5	0.002	µg/L	2016-06-02	2016-06-03	
Calcium, total	13500	N/A	40	µg/L	2016-06-02	2016-06-03	
Chromium, total	1.1	MAC = 50	0.1	µg/L	2016-06-02	2016-06-03	
Cobalt, total	0.531	N/A	0.005	µg/L	2016-06-02	2016-06-03	
Copper, total	3.1	AO ≤ 1000	0.1	µg/L	2016-06-02	2016-06-03	
Iron, total	1180	AO ≤ 300	2	µg/L	2016-06-02	2016-06-03	
Lead, total	0.30	MAC = 10	0.05	µg/L	2016-06-02	2016-06-03	
Lithium, total	1.89	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Magnesium, total	2840	N/A	5.0	µg/L	2016-06-02	2016-06-03	
Manganese, total	39.5	AO ≤ 50	0.05	µg/L	2016-06-02	2016-06-03	
Molybdenum, total	0.77	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Nickel, total	5.48	N/A	0.02	µg/L	2016-06-02	2016-06-03	
Phosphorus, total	59	N/A	10	µg/L	2016-06-02	2016-06-03	
Potassium, total	1280	N/A	10	µg/L	2016-06-02	2016-06-03	
Selenium, total	0.5	MAC = 50	0.1	µg/L	2016-06-02	2016-06-03	
Silicon, total	7500	N/A	50	µg/L	2016-06-02	2016-06-03	
Silver, total	< 0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Sodium, total	2390	AO ≤ 200000	10	µg/L	2016-06-02	2016-06-03	
Strontium, total	79.1	N/A	0.1	µg/L	2016-06-02	2016-06-03	
Sulfur, total	2500	N/A	500	µg/L	2016-06-02	2016-06-03	
Tellurium, total	< 0.05	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Thallium, total	0.013	N/A	0.004	µg/L	2016-06-02	2016-06-03	
Thorium, total	0.09	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Tin, total	< 0.05	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Titanium, total	49.8	N/A	0.2	µg/L	2016-06-02	2016-06-03	
Uranium, total	0.369	MAC = 20	0.001	µg/L	2016-06-02	2016-06-03	
Vanadium, total	2.5	N/A	0.2	µg/L	2016-06-02	2016-06-03	
Zinc, total	4	AO ≤ 5000	1	µg/L	2016-06-02	2016-06-03	
Zirconium, total	0.74	N/A	0.02	µg/L	2016-06-02	2016-06-03	

**Microbiological Parameters**

E. coli	89	MAC = None Detected	1	CFU/100 mL	N/A	2016-05-30	
---------	----	---------------------	---	------------	-----	------------	--

**Sample ID: Shuswap River (Wilsey Dam) (6052214-05) [Water] Sampled: 2016-05-29 09:55**

F1, FILT,  
PRES

**Anions**

Chloride	0.20	AO ≤ 250	0.10	mg/L	N/A	2016-06-01	
Nitrate (as N)	0.064	MAC = 10	0.010	mg/L	N/A	2016-06-01	
Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	N/A	2016-06-01	
Sulfate	4.4	AO ≤ 500	1.0	mg/L	N/A	2016-06-01	



**REPORTED TO PROJECT** Mid Shuswap Lumby Water Stewards  
Analytical Testing

**WORK ORDER REPORTED** 6052214  
2016-06-17

Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
---------	-------------------	----------------------	--------------	-------	----------	----------	-------

**Sample ID: Shuswap River (Wilsey Dam) (6052214-05) [Water] Sampled: 2016-05-29 09:55, Continued**

**F1, FILT, PRES**

**General Parameters**

Ammonia, Total (as N)	< 0.020	N/A	0.020	mg/L	N/A	2016-06-03	
Conductivity (EC)	<b>74</b>	N/A	2	µS/cm	N/A	2016-06-04	
Nitrogen, Total Kjeldahl	<b>0.08</b>	N/A	0.05	mg/L	2016-06-01	2016-06-02	
pH	<b>7.11</b>	6.5-8.5	0.01	pH units	N/A	2016-06-04	HT2
Phosphorus, Total (as P)	<b>0.009</b>	N/A	0.002	mg/L	2016-06-02	2016-06-03	
Phosphorus, Total Dissolved	<b>0.006</b>	N/A	0.002	mg/L	2016-06-02	2016-06-03	
Turbidity	<b>1.53</b>	OG < 0.1	0.10	NTU	N/A	2016-05-30	

**Calculated Parameters**

Hardness, Total (as CaCO3)	<b>37.4</b>	N/A	0.1	mg/L	N/A	N/A	
Nitrate+Nitrite (as N)	<b>0.064</b>	N/A	0.010	mg/L	N/A	N/A	
Nitrogen, Total	<b>0.141</b>	N/A	0.050	mg/L	N/A	N/A	

**Dissolved Metals**

Aluminum, dissolved	<b>22</b>	N/A	1	µg/L	N/A	2016-06-03	
---------------------	-----------	-----	---	------	-----	------------	--

**Total Recoverable Metals**

Aluminum, total	<b>115</b>	OG < 100	1	µg/L	2016-06-02	2016-06-03	
Antimony, total	< 0.05	MAC = 6	0.05	µg/L	2016-06-02	2016-06-03	
Arsenic, total	<b>0.15</b>	MAC = 10	0.05	µg/L	2016-06-02	2016-06-03	
Barium, total	<b>8.3</b>	MAC = 1000	0.1	µg/L	2016-06-02	2016-06-03	
Beryllium, total	< 0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Bismuth, total	< 0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Boron, total	<b>2</b>	MAC = 5000	1	µg/L	2016-06-02	2016-06-03	
Cadmium, total	<b>0.009</b>	MAC = 5	0.002	µg/L	2016-06-02	2016-06-03	
Calcium, total	<b>12700</b>	N/A	40	µg/L	2016-06-02	2016-06-03	
Chromium, total	< 0.1	MAC = 50	0.1	µg/L	2016-06-02	2016-06-03	
Cobalt, total	<b>0.085</b>	N/A	0.005	µg/L	2016-06-02	2016-06-03	
Copper, total	<b>0.6</b>	AO ≤ 1000	0.1	µg/L	2016-06-02	2016-06-03	
Iron, total	<b>158</b>	AO ≤ 300	2	µg/L	2016-06-02	2016-06-03	
Lead, total	<b>0.08</b>	MAC = 10	0.05	µg/L	2016-06-02	2016-06-03	
Lithium, total	<b>0.59</b>	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Magnesium, total	<b>1370</b>	N/A	5.0	µg/L	2016-06-02	2016-06-03	
Manganese, total	<b>5.65</b>	AO ≤ 50	0.05	µg/L	2016-06-02	2016-06-03	
Molybdenum, total	<b>0.61</b>	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Nickel, total	<b>0.40</b>	N/A	0.02	µg/L	2016-06-02	2016-06-03	
Phosphorus, total	< 10	N/A	10	µg/L	2016-06-02	2016-06-03	
Potassium, total	<b>632</b>	N/A	10	µg/L	2016-06-02	2016-06-03	
Selenium, total	<b>0.4</b>	MAC = 50	0.1	µg/L	2016-06-02	2016-06-03	
Silicon, total	<b>3400</b>	N/A	50	µg/L	2016-06-02	2016-06-03	
Silver, total	< 0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Sodium, total	<b>834</b>	AO ≤ 200000	10	µg/L	2016-06-02	2016-06-03	
Strontium, total	<b>53.6</b>	N/A	0.1	µg/L	2016-06-02	2016-06-03	
Sulfur, total	<b>1400</b>	N/A	500	µg/L	2016-06-02	2016-06-03	
Tellurium, total	< 0.05	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Thallium, total	< 0.004	N/A	0.004	µg/L	2016-06-02	2016-06-03	

**REPORTED TO PROJECT** Mid Shuswap Lumby Water Stewards  
Analytical Testing

**WORK ORDER REPORTED** 6052214  
2016-06-17

Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
---------	-------------------	----------------------	--------------	-------	----------	----------	-------

**Sample ID: Shuswap River (Wilsey Dam) (6052214-05) [Water] Sampled: 2016-05-29 09:55, Continued**

F1, FILT,  
PRES

**Total Recoverable Metals, Continued**

Thorium, total	0.02	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Tin, total	< 0.05	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Titanium, total	5.4	N/A	0.2	µg/L	2016-06-02	2016-06-03	
Uranium, total	0.265	MAC = 20	0.001	µg/L	2016-06-02	2016-06-03	
Vanadium, total	0.5	N/A	0.2	µg/L	2016-06-02	2016-06-03	
Zinc, total	1	AO ≤ 5000	1	µg/L	2016-06-02	2016-06-03	
Zirconium, total	0.08	N/A	0.02	µg/L	2016-06-02	2016-06-03	

**Microbiological Parameters**

E. coli	7	MAC = None Detected	1	CFU/100 mL	N/A	2016-05-30	
---------	---	---------------------	---	------------	-----	------------	--

**Sample ID: Shuswap River (Odd Fellows) (6052214-06) [Water] Sampled: 2016-05-29 09:15**

F1, FILT,  
PRESa

**Anions**

Chloride	0.33	AO ≤ 250	0.10	mg/L	N/A	2016-06-01	
Nitrate (as N)	0.062	MAC = 10	0.010	mg/L	N/A	2016-06-01	
Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	N/A	2016-06-01	
Sulfate	5.0	AO ≤ 500	1.0	mg/L	N/A	2016-06-01	

**General Parameters**

Ammonia, Total (as N)	< 0.020	N/A	0.020	mg/L	N/A	2016-06-03	
Conductivity (EC)	81	N/A	2	µS/cm	N/A	2016-06-04	
Nitrogen, Total Kjeldahl	0.11	N/A	0.05	mg/L	2016-06-01	2016-06-02	
pH	7.10	6.5-8.5	0.01	pH units	N/A	2016-06-04	HT2
Phosphorus, Total (as P)	0.026	N/A	0.002	mg/L	2016-06-02	2016-06-03	
Phosphorus, Total Dissolved	0.011	N/A	0.002	mg/L	2016-06-02	2016-06-03	
Turbidity	3.00	OG < 0.1	0.10	NTU	N/A	2016-05-30	

**Calculated Parameters**

Hardness, Total (as CaCO <sub>3</sub> )	41.2	N/A	0.1	mg/L	N/A	N/A	
Nitrate+Nitrite (as N)	0.062	N/A	0.010	mg/L	N/A	N/A	
Nitrogen, Total	0.175	N/A	0.050	mg/L	N/A	N/A	

**Total Recoverable Metals**

Aluminum, total	199	OG < 100	1	µg/L	2016-06-02	2016-06-03	
Antimony, total	< 0.05	MAC = 6	0.05	µg/L	2016-06-02	2016-06-03	
Arsenic, total	0.21	MAC = 10	0.05	µg/L	2016-06-02	2016-06-03	
Barium, total	10.1	MAC = 1000	0.1	µg/L	2016-06-02	2016-06-03	
Beryllium, total	< 0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Bismuth, total	< 0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Boron, total	2	MAC = 5000	1	µg/L	2016-06-02	2016-06-03	
Cadmium, total	0.021	MAC = 5	0.002	µg/L	2016-06-02	2016-06-03	
Calcium, total	13800	N/A	40	µg/L	2016-06-02	2016-06-03	
Chromium, total	0.2	MAC = 50	0.1	µg/L	2016-06-02	2016-06-03	
Cobalt, total	0.154	N/A	0.005	µg/L	2016-06-02	2016-06-03	

**REPORTED TO PROJECT** Mid Shuswap Lumby Water Stewards  
Analytical Testing

**WORK ORDER REPORTED** 6052214  
2016-06-17

Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
---------	-------------------	----------------------	--------------	-------	----------	----------	-------

**Sample ID: Shuswap River (Odd Fellows) (6052214-06) [Water] Sampled: 2016-05-29 09:15, Continued**

F1, FILT,  
PRESa

**Total Recoverable Metals, Continued**

Copper, total	0.9	AO ≤ 1000	0.1	µg/L	2016-06-02	2016-06-03	
Iron, total	310	AO ≤ 300	2	µg/L	2016-06-02	2016-06-03	
Lead, total	0.10	MAC = 10	0.05	µg/L	2016-06-02	2016-06-03	
Lithium, total	0.80	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Magnesium, total	1640	N/A	5.0	µg/L	2016-06-02	2016-06-03	
Manganese, total	12.3	AO ≤ 50	0.05	µg/L	2016-06-02	2016-06-03	
Molybdenum, total	0.70	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Nickel, total	0.88	N/A	0.02	µg/L	2016-06-02	2016-06-03	
Phosphorus, total	< 10	N/A	10	µg/L	2016-06-02	2016-06-03	
Potassium, total	726	N/A	10	µg/L	2016-06-02	2016-06-03	
Selenium, total	0.4	MAC = 50	0.1	µg/L	2016-06-02	2016-06-03	
Silicon, total	4000	N/A	50	µg/L	2016-06-02	2016-06-03	
Silver, total	< 0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Sodium, total	1070	AO ≤ 200000	10	µg/L	2016-06-02	2016-06-03	
Strontium, total	60.9	N/A	0.1	µg/L	2016-06-02	2016-06-03	
Sulfur, total	1700	N/A	500	µg/L	2016-06-02	2016-06-03	
Tellurium, total	< 0.05	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Thallium, total	0.005	N/A	0.004	µg/L	2016-06-02	2016-06-03	
Thorium, total	0.02	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Tin, total	< 0.05	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Titanium, total	12.8	N/A	0.2	µg/L	2016-06-02	2016-06-03	
Uranium, total	0.300	MAC = 20	0.001	µg/L	2016-06-02	2016-06-03	
Vanadium, total	0.8	N/A	0.2	µg/L	2016-06-02	2016-06-03	
Zinc, total	1	AO ≤ 5000	1	µg/L	2016-06-02	2016-06-03	
Zirconium, total	0.15	N/A	0.02	µg/L	2016-06-02	2016-06-03	

**Microbiological Parameters**

E. coli	19	MAC = None Detected	1	CFU/100 mL	N/A	2016-05-30	
---------	----	---------------------	---	------------	-----	------------	--

**Sample ID: Vance Creek (Mabel Lake Road) (6052214-07) [Water] Sampled: 2016-05-29 10:50**

F1, FILT,  
PRESa

**Anions**

Chloride	1.77	AO ≤ 250	0.10	mg/L	N/A	2016-06-01	
Nitrate (as N)	0.061	MAC = 10	0.010	mg/L	N/A	2016-06-01	
Nitrite (as N)	< 0.010	MAC = 1	0.010	mg/L	N/A	2016-06-01	
Sulfate	24.9	AO ≤ 500	1.0	mg/L	N/A	2016-06-01	

**General Parameters**

Ammonia, Total (as N)	< 0.020	N/A	0.020	mg/L	N/A	2016-06-03	
Conductivity (EC)	291	N/A	2	µS/cm	N/A	2016-06-04	
Nitrogen, Total Kjeldahl	0.08	N/A	0.05	mg/L	2016-06-01	2016-06-02	
pH	7.87	6.5-8.5	0.01	pH units	N/A	2016-06-04	HT2
Phosphorus, Total (as P)	0.016	N/A	0.002	mg/L	2016-06-02	2016-06-03	
Phosphorus, Total Dissolved	0.006	N/A	0.002	mg/L	2016-06-02	2016-06-03	

**REPORTED TO PROJECT** Mid Shuswap Lumby Water Stewards  
Analytical Testing

**WORK ORDER REPORTED** 6052214  
2016-06-17

Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
---------	-------------------	----------------------	--------------	-------	----------	----------	-------

**Sample ID: Vance Creek (Mabel Lake Road) (6052214-07) [Water] Sampled: 2016-05-29 10:50, Continued**

F1, FILT, PRESa

**General Parameters, Continued**

Turbidity	4.34	OG < 0.1	0.10	NTU	N/A	2016-05-30	
-----------	------	----------	------	-----	-----	------------	--

**Calculated Parameters**

Hardness, Total (as CaCO3)	163	N/A	0.1	mg/L	N/A	N/A	
Nitrate+Nitrite (as N)	0.061	N/A	0.010	mg/L	N/A	N/A	
Nitrogen, Total	0.146	N/A	0.050	mg/L	N/A	N/A	

**Dissolved Metals**

Aluminum, dissolved	4	N/A	1	µg/L	N/A	2016-06-03	
---------------------	---	-----	---	------	-----	------------	--

**Total Recoverable Metals**

Aluminum, total	266	OG < 100	1	µg/L	2016-06-02	2016-06-03	
Antimony, total	0.06	MAC = 6	0.05	µg/L	2016-06-02	2016-06-03	
Arsenic, total	0.55	MAC = 10	0.05	µg/L	2016-06-02	2016-06-03	
Barium, total	32.4	MAC = 1000	0.1	µg/L	2016-06-02	2016-06-03	
Beryllium, total	< 0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Bismuth, total	< 0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Boron, total	3	MAC = 5000	1	µg/L	2016-06-02	2016-06-03	
Cadmium, total	0.084	MAC = 5	0.002	µg/L	2016-06-02	2016-06-03	
Calcium, total	55900	N/A	40	µg/L	2016-06-02	2016-06-03	
Chromium, total	0.3	MAC = 50	0.1	µg/L	2016-06-02	2016-06-03	
Cobalt, total	0.299	N/A	0.005	µg/L	2016-06-02	2016-06-03	
Copper, total	1.6	AO ≤ 1000	0.1	µg/L	2016-06-02	2016-06-03	
Iron, total	564	AO ≤ 300	2	µg/L	2016-06-02	2016-06-03	
Lead, total	0.18	MAC = 10	0.05	µg/L	2016-06-02	2016-06-03	
Lithium, total	1.79	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Magnesium, total	5750	N/A	5.0	µg/L	2016-06-02	2016-06-03	
Manganese, total	14.3	AO ≤ 50	0.05	µg/L	2016-06-02	2016-06-03	
Molybdenum, total	1.73	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Nickel, total	0.81	N/A	0.02	µg/L	2016-06-02	2016-06-03	
Phosphorus, total	20	N/A	10	µg/L	2016-06-02	2016-06-03	
Potassium, total	1220	N/A	10	µg/L	2016-06-02	2016-06-03	
Selenium, total	3.4	MAC = 50	0.1	µg/L	2016-06-02	2016-06-03	
Silicon, total	6900	N/A	50	µg/L	2016-06-02	2016-06-03	
Silver, total	0.01	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Sodium, total	2490	AO ≤ 200000	10	µg/L	2016-06-02	2016-06-03	
Strontium, total	334	N/A	0.1	µg/L	2016-06-02	2016-06-03	
Sulfur, total	8400	N/A	500	µg/L	2016-06-02	2016-06-03	
Tellurium, total	< 0.05	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Thallium, total	< 0.004	N/A	0.004	µg/L	2016-06-02	2016-06-03	
Thorium, total	0.02	N/A	0.01	µg/L	2016-06-02	2016-06-03	
Tin, total	< 0.05	N/A	0.05	µg/L	2016-06-02	2016-06-03	
Titanium, total	5.8	N/A	0.2	µg/L	2016-06-02	2016-06-03	
Uranium, total	0.754	MAC = 20	0.001	µg/L	2016-06-02	2016-06-03	
Vanadium, total	1.1	N/A	0.2	µg/L	2016-06-02	2016-06-03	
Zinc, total	3	AO ≤ 5000	1	µg/L	2016-06-02	2016-06-03	

**REPORTED TO PROJECT** Mid Shuswap Lumby Water Stewards  
Analytical Testing

**WORK ORDER REPORTED** 6052214  
2016-06-17

Analyte	Result / Recovery	Standard / Guideline	MRL / Limits	Units	Prepared	Analyzed	Notes
---------	-------------------	----------------------	--------------	-------	----------	----------	-------

**Sample ID: Vance Creek (Mabel Lake Road) (6052214-07) [Water] Sampled: 2016-05-29 10:50, Continued**

F1, FILT, PRESa

**Total Recoverable Metals, Continued**

Zirconium, total	0.08	N/A	0.02	µg/L	2016-06-02	2016-06-03	
------------------	------	-----	------	------	------------	------------	--

**Microbiological Parameters**

E. coli	22	MAC = None Detected	1	CFU/100 mL	N/A	2016-05-30	
---------	----	---------------------	---	------------	-----	------------	--

**Sample / Analysis 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.
FILT	Sample has been filtered for Dissolved Nutrients in the laboratory.
HT2	The 15 minute recommended holding time (from sampling to analysis) has been exceeded - field analysis is recommended.
PRES	Sample has been preserved for Dissolved and Total Nutrients in the laboratory and the holding time has been extended.
PRESa	Sample has been preserved for Total and Dissolved Nutrients in the laboratory and the holding time has been extended.