

2023 Powers Creek Water Service Area Data

Lateral One Water Quality								Old Okanagan Sample Station					3211 Webber Sample Station					McIver Park Sample Station					End-of-Line Water Quality					Bulk Water Station							
Date	Turbidity	Analysed Turbidity	Water Temp	Bacteriological		Free Chlorine Residual	Analysed Free Residual	Date	Turbidity	Water Temp	Bacteriological		Free Chlorine Residual	Date	Turbidity	Water Temp	Bacteriological		Free Chlorine Residual	Date	Turbidity	Water Temp	Bacteriological		Free Chlorine Residual	Analysed Free Residual	Date	Turbidity	Free Chlorine Residual						
	Grab Sample (NTU)	Online (NTU)	Grab Sample (Deg C)	E.coli /100 mL	Total Coliform /100 mL	Grab Sample (mg/L)	Online Sample (mg/L)		Grab Sample (NTU)	Grab Sample (Deg C)	E.coli /100 mL	Total Coliform /100 mL	Grab Sample (mg/L)		Grab Sample (NTU)	Grab Sample (Deg C)	E.coli /100 mL	Total Coliform /100 mL	Grab Sample (mg/L)		Grab Sample (NTU)	Grab Sample (Deg C)	E.coli /100 mL	Total Coliform /100 mL	Grab Sample (mg/L)	Online Sample (mg/L)		Grab Sample (NTU)	Grab Sample (mg/L)	Grab Sample (NTU)	Grab Sample (mg/L)				
1-Jan-23								1-Jan-23						1-Jan-23							1-Jan-23						1-Jan-23								
2-Jan-23								2-Jan-23						2-Jan-23							2-Jan-23						2-Jan-23								
3-Jan-23	0.11	0.19	4.1	<1	<1	0.59	0.87	3-Jan-23	0.18	10.0	<1	<1	0.18	3-Jan-23	0.22	4.0	<1	<1	0.51	3-Jan-23	0.12	4.0	<1	<1	0.53	3-Jan-23	0.07	4.9	<1	<1	0.49	0.55	3-Jan-23	0.11	0.2
4-Jan-23								4-Jan-23						4-Jan-23							4-Jan-23						4-Jan-23								
5-Jan-23								5-Jan-23						5-Jan-23							5-Jan-23						5-Jan-23								
6-Jan-23	0.15	0.07	2.7			0.57	0.68	6-Jan-23						6-Jan-23						6-Jan-23						6-Jan-23									
7-Jan-23								7-Jan-23						7-Jan-23							7-Jan-23						7-Jan-23								
8-Jan-23								8-Jan-23						8-Jan-23							8-Jan-23						8-Jan-23								
9-Jan-23	0.22	0.08	4.4	<1	<1	0.55	0.42	9-Jan-23	0.20	9.1	<1	<1	0.24	9-Jan-23	0.08	3.8	<1	<1	0.39	9-Jan-23	0.15	3.4	<1	<1	0.45	9-Jan-23	0.08	4.8	<1	<1	0.39	0.44	9-Jan-23	0.12	0.48
10-Jan-23								10-Jan-23						10-Jan-23						10-Jan-23						10-Jan-23									
11-Jan-23	0.08	0.07	4.5			0.55	0.68	11-Jan-23						11-Jan-23						11-Jan-23						11-Jan-23									
12-Jan-23								12-Jan-23						12-Jan-23						12-Jan-23						12-Jan-23									
13-Jan-23	0.08	0.06	5.1			0.62	0.61	13-Jan-23						13-Jan-23						13-Jan-23						13-Jan-23									
14-Jan-23								14-Jan-23						14-Jan-23						14-Jan-23						14-Jan-23									
15-Jan-23								15-Jan-23						15-Jan-23						15-Jan-23						15-Jan-23									
16-Jan-23	0.15	0.12	4.8	<1	<1	0.60	0.64	16-Jan-23	0.15	6.0	<1	<1	0.21	16-Jan-23	0.25	4.0	<1	<1	0.74	16-Jan-23	0.31	3.5	<1	<1	0.81	16-Jan-23	0.07	5.3	<1	<1	0.43	0.43	16-Jan-23	0.15	0.29
17-Jan-23								17-Jan-23						17-Jan-23						17-Jan-23						17-Jan-23									
18-Jan-23								18-Jan-23						18-Jan-23						18-Jan-23						18-Jan-23									
19-Jan-23								19-Jan-23						19-Jan-23						19-Jan-23						19-Jan-23									
20-Jan-23	0.09	0.08	3.5			0.53	0.72	20-Jan-23						20-Jan-23						20-Jan-23						20-Jan-23									
21-Jan-23								21-Jan-23						21-Jan-23						21-Jan-23						21-Jan-23									
22-Jan-23								22-Jan-23						22-Jan-23						22-Jan-23						22-Jan-23									
23-Jan-23	0.06	0.08	2.5	<1	<1	0.65	0.75	23-Jan-23	0.34	7.6	<1	<1	0.19	23-Jan-23	0.08	2.4	<1	<1	0.72	23-Jan-23	0.12	2.9	<1	<1	0.76	23-Jan-23	0.08	7.0	<1	<1	0.47	0.47	23-Jan-23	0.1	0.34
24-Jan-23								24-Jan-23						24-Jan-23						24-Jan-23						24-Jan-23									
25-Jan-23								25-Jan-23						25-Jan-23						25-Jan-23						25-Jan-23									
26-Jan-23								26-Jan-23						26-Jan-23						26-Jan-23						26-Jan-23									
27-Jan-23	0.12	0.07	2.4			0.77	0.38	27-Jan-23						27-Jan-23						27-Jan-23						27-Jan-23									
28-Jan-23								28-Jan-23						28-Jan-23						28-Jan-23						28-Jan-23									
29-Jan-23								29-Jan-23						29-Jan-23						29-Jan-23						29-Jan-23									
30-Jan-23	0.11	0.08	4.1	<1	<1	0.50	0.51	30-Jan-23	FROZEN					30-Jan-23	FROZEN					30-Jan-23	FROZEN					30-Jan-23	0.14	4.1	<1	<1	0.56	0.53	30-Jan-23	0.09	0.42
31-Jan-23								31-Jan-23						31-Jan-23						31-Jan-23						31-Jan-23									

Lateral One Water Quality								Old Okanagan Sample Station					3211 Webber Sample Station					McIver Park Sample Station					End-of-Line Water Quality					Bulk Water Station					
Date	Turbidity	Analysed Turbidity	Water Temp	Bacteriological		Free Chlorine Residual	Analysed Free Residual	Date	Turbidity	Water Temp	Bacteriological		Free Chlorine Residual	Date	Turbidity	Water Temp	Bacteriological		Free Chlorine Residual	Date	Turbidity	Water Temp	Bacteriological		Free Chlorine Residual	Analysed Free Residual	Date	Turbidity	Free Chlorine Residual				
	Grab Sample (NTU)	Online (NTU)	Grab Sample (Deg C)	E.coli /100 mL	Total Coliform /100 mL	Grab Sample (mg/L)	Online Sample (mg/L)		Grab Sample (NTU)	Grab Sample (Deg C)	E.coli /100 mL	Total Coliform /100 mL	Grab Sample (mg/L)		Grab Sample (NTU)	Grab Sample (Deg C)	E.coli /100 mL	Total Coliform /100 mL	Grab Sample (mg/L)		Grab Sample (NTU)	Grab Sample (Deg C)	E.coli /100 mL	Total Coliform /100 mL	Grab Sample (mg/L)	Online Sample (mg/L)		Grab Sample (NTU)	Grab Sample (mg/L)				
1-Apr-23								1-Apr-23					1-Apr-23						1-Apr-23							1-Apr-23							
2-Apr-23								2-Apr-23					2-Apr-23						2-Apr-23							2-Apr-23							
3-Apr-23	0.08	0.06	5.1	<1	<1	0.53	0.32	3-Apr-23	0.25	8.5	<1	<1	0.21	3-Apr-23	0.16	5.9	<1	<1	0.33	3-Apr-23	0.12	6.4	<1	<1	0.32	0.37	0.35	0.37	0.18	0.23			
4-Apr-23								4-Apr-23					4-Apr-23						4-Apr-23							4-Apr-23							
5-Apr-23								5-Apr-23					5-Apr-23						5-Apr-23							5-Apr-23							
6-Apr-23	0.08	0.07	6.7			0.64	0.52	6-Apr-23					6-Apr-23						6-Apr-23	0.11	7.2			0.43	0.43	0.43	0.43	0.1	0.39				
7-Apr-23								7-Apr-23					7-Apr-23						7-Apr-23							7-Apr-23							
8-Apr-23								8-Apr-23					8-Apr-23						8-Apr-23							8-Apr-23							
9-Apr-23								9-Apr-23					9-Apr-23						9-Apr-23							9-Apr-23							
10-Apr-23								10-Apr-23					10-Apr-23						10-Apr-23							10-Apr-23							
11-Apr-23	0.61	0.58	6.8	<1	<1	0.50	0.58	11-Apr-23	0.11	9.0	<1	<1	0.07	11-Apr-23	0.39	6.0	<1	<1	0.38	11-Apr-23	0.09	6.0	<1	<1	0.29		<1	<1	0.43	0.14	0.42		
12-Apr-23								12-Apr-23					12-Apr-23						12-Apr-23							12-Apr-23							
13-Apr-23								13-Apr-23					13-Apr-23						13-Apr-23							13-Apr-23							
14-Apr-23	0.14	0.06	6.4			0.66	0.57	14-Apr-23					14-Apr-23						14-Apr-23							14-Apr-23							
15-Apr-23								15-Apr-23					15-Apr-23						15-Apr-23							15-Apr-23							
16-Apr-23								16-Apr-23					16-Apr-23						16-Apr-23							16-Apr-23							
17-Apr-23	0.09	0.17	6.6	<1	<1	0.62	0.61	17-Apr-23	0.17	8.4	<1	<1	0.22	17-Apr-23	0.08	5.7	<1	<1	0.39	17-Apr-23	0.14	5.3	<1	<1	0.27	0.18	7.9	<1	<1	0.44	0.48		
18-Apr-23								18-Apr-23					18-Apr-23						18-Apr-23							18-Apr-23							
19-Apr-23								19-Apr-23					19-Apr-23						19-Apr-23							19-Apr-23	0.11	0.49					
20-Apr-23								20-Apr-23					20-Apr-23						20-Apr-23							20-Apr-23							
21-Apr-23	0.11	0.08	6.9			0.60	0.47	21-Apr-23					21-Apr-23						21-Apr-23							21-Apr-23	0.2	0.42					
22-Apr-23								22-Apr-23					22-Apr-23						22-Apr-23							22-Apr-23							
23-Apr-23								23-Apr-23					23-Apr-23						23-Apr-23							23-Apr-23							
24-Apr-23	0.06	0.07	7.8	<1	<1	0.60	0.46	24-Apr-23	0.14	8.5	<1	<1	0.21	24-Apr-23	0.14	8.3	<1	<1	0.30	24-Apr-23	0.11	7.8	<1	<1	0.20	0.07	7.1	<1	<1	0.47	0.00	0.09	0.39
25-Apr-23								25-Apr-23					25-Apr-23						25-Apr-23							25-Apr-23							
26-Apr-23								26-Apr-23					26-Apr-23						26-Apr-23							26-Apr-23							
27-Apr-23								27-Apr-23					27-Apr-23						27-Apr-23							27-Apr-23	0.13	0.47					
28-Apr-23	0.18	0.21	5.8			0.62	0.45	28-Apr-23					28-Apr-23						28-Apr-23							28-Apr-23	0.22	0.47					
29-Apr-23								29-Apr-23					29-Apr-23						29-Apr-23							29-Apr-23							
30-Apr-23								30-Apr-23					30-Apr-23						30-Apr-23							30-Apr-23							

















## CERTIFICATE OF ANALYSIS

<b>REPORTED TO</b>	West Kelowna, City of 2760 Cameron Road West Westbank, BC V1Z 2T6	<b>WORK ORDER</b>	23K0088
<b>ATTENTION</b>	Dan Ricciuti	<b>RECEIVED / TEMP REPORTED</b>	2023-10-31 14:29 / 8.9°C
<b>PO NUMBER</b>	23055	<b>REPORTED</b>	2023-11-06 11:37
<b>PROJECT</b>	<b>Powers Creek Water Service Area - General</b>	<b>COC NUMBER</b>	No Number
<b>PROJECT INFO</b>			

**Introduction:**

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If you have any questions or concerns, please contact me at [bwhitehead@caro.ca](mailto:bwhitehead@caro.ca)

**Authorized By:**

Brent Whitehead  
Account Manager

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## TEST RESULTS

**REPORTED TO PROJECT** West Kelowna, City of  
Powers Creek Water Service Area - General

**WORK ORDER REPORTED** 23K0088  
2023-11-06 11:37

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
<b>PCWSA - Lateral One PH (23K0088-01)   Matrix: Water   Sampled: 2023-10-31 13:02</b>						
<b>Calculated Parameters</b>						
Langelier Index	-1.9	N/A	-5.0		2023-11-06	
<b>Field Parameters</b>						
pH	7.4	7.0-10.5	0.1	pH units	2023-10-31	
Temperature, field	3.4	AO ≤ 15		°C	2023-10-31	
<b>General Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	33.9	N/A	1.0	mg/L	2023-11-04	
Alkalinity, Phenolphthalein (as CaCO <sub>3</sub> )	< 1.0	N/A	1.0	mg/L	2023-11-04	
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	33.9	N/A	1.0	mg/L	2023-11-04	
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	< 1.0	N/A	1.0	mg/L	2023-11-04	
Alkalinity, Hydroxide (as CaCO <sub>3</sub> )	< 1.0	N/A	1.0	mg/L	2023-11-04	
Conductivity (EC)	104	N/A	2.0	µS/cm	2023-11-04	
Solids, Total Dissolved	76	AO ≤ 500	15	mg/L	2023-11-03	
<b>Total Metals</b>						
Calcium, total	13.0	None Required	0.20	mg/L	2023-11-03	



## APPENDIX 1: SUPPORTING INFORMATION

**REPORTED TO PROJECT** West Kelowna, City of  
Powers Creek Water Service Area - General

**WORK ORDER REPORTED** 23K0088  
2023-11-06 11:37

Analysis Description	Method Ref.	Technique	Accredited	Location
Alkalinity in Water	SM 2320 B* (2021)	Titration with H2SO4	✓	Kelowna
Conductivity in Water	SM 2510 B (2021)	Conductivity Meter	✓	Kelowna
Langelier Index in Water	SM 2330 B (2021)	Calculation		N/A
Solids, Total Dissolved in Water	Solids in Water, Filtered / SM 2540 C* (2020)	Solids in Water, Filtered / Gravimetry (Dried at 103-105C)	✓	Kelowna
Total Metals in Water	EPA 200.2 / EPA 6020B	HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond

*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
°C	Degrees Celcius
AO	Aesthetic Objective
mg/L	Milligrams per litre
pH units	pH < 7 = acidic, ph > 7 = basic
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 \(Health Canada, September 2022\)](#)

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

### General Comments:

The results in this report apply to the received 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. Caro will dispose of all samples within 30 days of sample receipt, unless otherwise agreed. 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: [bwhitehead@caro.ca](mailto:bwhitehead@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.*

## CERTIFICATE OF ANALYSIS

<b>REPORTED TO</b>	West Kelowna, City of 2760 Cameron Road West Westbank, BC V1Z 2T6	<b>WORK ORDER</b>	23L0907
<b>ATTENTION</b>	Dan Ricciuti	<b>RECEIVED / TEMP REPORTED</b>	2023-12-07 12:27 / 9.1°C
<b>PO NUMBER</b>	23055	<b>REPORTED</b>	2023-12-14 14:19
<b>PROJECT</b>	Powers Creek Water Service Area - General	<b>COC NUMBER</b>	No Number
<b>PROJECT INFO</b>			

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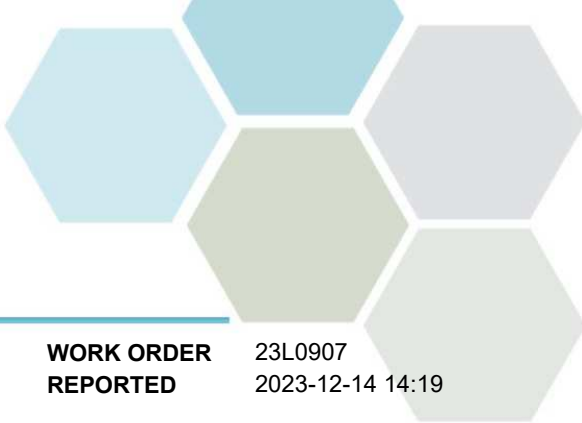
If you have any questions or concerns, please contact me at [bwhitehead@caro.ca](mailto:bwhitehead@caro.ca)

#### Authorized By:

Brent Whitehead  
Account Manager

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# TEST RESULTS

**REPORTED TO PROJECT** West Kelowna, City of  
Powers Creek Water Service Area - General

**WORK ORDER REPORTED** 23L0907  
2023-12-14 14:19

Analyte	Result	Guideline	RL Units	Analyzed	Qualifier
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**PCWSA - Lateral One PH (23L0907-01) | Matrix: Water | Sampled: 2023-12-07 10:45**

**Anions**

Chloride	12.4	AO ≤ 250	0.10 mg/L	2023-12-08	
Fluoride	< 0.10	MAC = 1.5	0.10 mg/L	2023-12-08	
Nitrate (as N)	0.148	MAC = 10	0.010 mg/L	2023-12-08	
Nitrite (as N)	< 0.010	MAC = 1	0.010 mg/L	2023-12-08	
Sulfate	3.5	AO ≤ 500	1.0 mg/L	2023-12-08	

**Calculated Parameters**

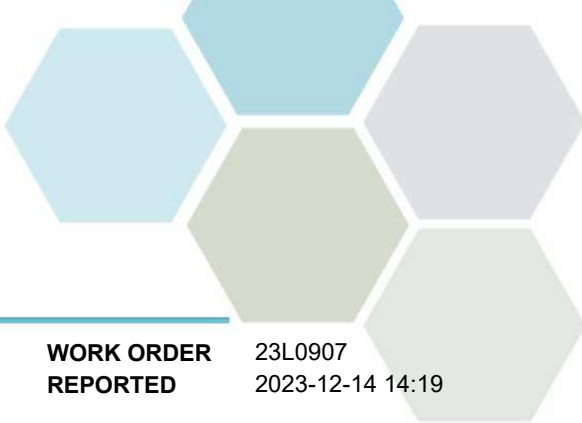
Hardness, Total (as CaCO3)	49.0	None Required	0.500 mg/L	N/A	
Langelier Index	-1.7	N/A	-5.0	2023-12-14	CT6
Solids, Total Dissolved	72.5	AO ≤ 500	1.00 mg/L	N/A	

**General Parameters**

Alkalinity, Total (as CaCO3)	45.9	N/A	1.0 mg/L	2023-12-08	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0 mg/L	2023-12-08	
Alkalinity, Bicarbonate (as CaCO3)	45.9	N/A	1.0 mg/L	2023-12-08	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0 mg/L	2023-12-08	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0 mg/L	2023-12-08	
Colour, True	< 5.0	AO ≤ 15	5.0 CU	2023-12-08	
Conductivity (EC)	136	N/A	2.0 µS/cm	2023-12-08	
Cyanide, Total	< 0.0020	MAC = 0.2	0.0020 mg/L	2023-12-08	
pH	6.95	7.0-10.5	0.10 pH units	2023-12-08	HT2
Temperature, at pH	23.7	N/A	°C	2023-12-08	HT2
Turbidity	0.14	OG < 1	0.10 NTU	2023-12-09	

**Total Metals**

Aluminum, total	0.0176	OG < 0.1	0.0050 mg/L	2023-12-11	
Antimony, total	< 0.00020	MAC = 0.006	0.00020 mg/L	2023-12-11	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050 mg/L	2023-12-11	
Barium, total	0.0125	MAC = 2	0.0050 mg/L	2023-12-11	
Boron, total	< 0.0500	MAC = 5	0.0500 mg/L	2023-12-11	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010 mg/L	2023-12-11	
Calcium, total	16.1	None Required	0.20 mg/L	2023-12-11	
Chromium, total	< 0.00050	MAC = 0.05	0.00050 mg/L	2023-12-11	
Cobalt, total	< 0.00010	N/A	0.00010 mg/L	2023-12-11	
Copper, total	0.00046	MAC = 2	0.00040 mg/L	2023-12-11	
Iron, total	< 0.010	AO ≤ 0.3	0.010 mg/L	2023-12-11	
Lead, total	< 0.00020	MAC = 0.005	0.00020 mg/L	2023-12-11	
Magnesium, total	2.12	None Required	0.010 mg/L	2023-12-11	
Manganese, total	0.00558	MAC = 0.12	0.00020 mg/L	2023-12-11	
Mercury, total	< 0.000010	MAC = 0.001	0.000010 mg/L	2023-12-12	
Molybdenum, total	0.00101	N/A	0.00010 mg/L	2023-12-11	
Nickel, total	< 0.00040	N/A	0.00040 mg/L	2023-12-11	
Potassium, total	1.04	N/A	0.10 mg/L	2023-12-11	
Selenium, total	< 0.00050	MAC = 0.05	0.00050 mg/L	2023-12-11	



## TEST RESULTS

**REPORTED TO PROJECT** West Kelowna, City of  
Powers Creek Water Service Area - General

**WORK ORDER REPORTED** 23L0907  
2023-12-14 14:19

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
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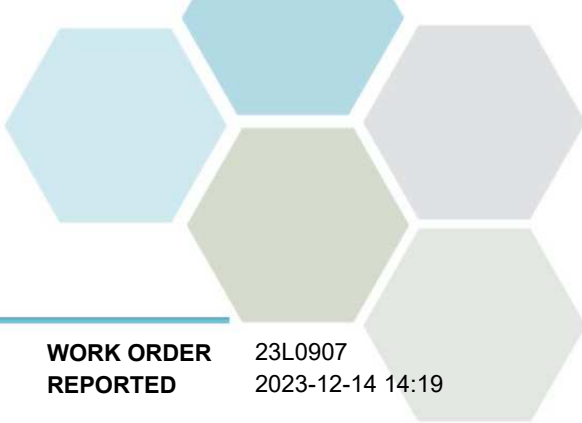
**PCWSA - Lateral One PH (23L0907-01) | Matrix: Water | Sampled: 2023-12-07 10:45, Continued**

**Total Metals, Continued**

Sodium, total	<b>8.73</b>	AO ≤ 200	0.10	mg/L	2023-12-11	
Strontium, total	<b>0.0527</b>	MAC = 7	0.0010	mg/L	2023-12-11	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2023-12-11	
Zinc, total	<b>0.0042</b>	AO ≤ 5	0.0040	mg/L	2023-12-11	

**Sample Qualifiers:**

CT6 Results were based on lab temperature & lab pH.  
HT2 The 15 minute recommended holding time (from sampling to analysis) has been exceeded - field analysis is recommended.



## APPENDIX 1: SUPPORTING INFORMATION

**REPORTED TO PROJECT** West Kelowna, City of  
Powers Creek Water Service Area - General

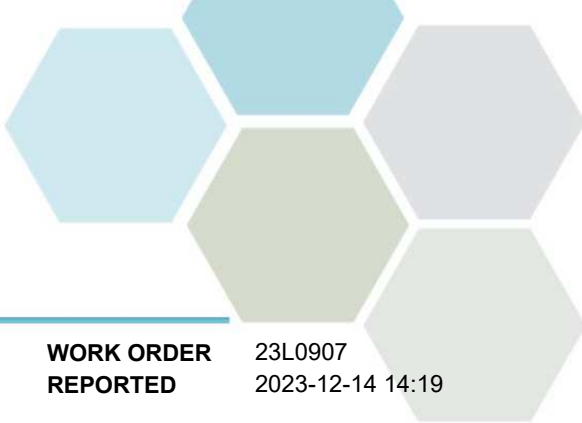
**WORK ORDER REPORTED** 23L0907  
2023-12-14 14:19

Analysis Description	Method Ref.	Technique	Accredited	Location
Alkalinity in Water	SM 2320 B* (2021)	Titration with H2SO4	✓	Kelowna
Anions in Water	SM 4110 B (2020)	Ion Chromatography	✓	Kelowna
Colour, True in Water	SM 2120 C (2021)	Spectrophotometry (456 nm)	✓	Kelowna
Conductivity in Water	SM 2510 B (2021)	Conductivity Meter	✓	Kelowna
Cyanide, SAD in Water	ASTM D7511-12	Flow Injection with In-Line UV Digestion and Amperometry	✓	Kelowna
Hardness in Water	SM 2340 B* (2021)	Calculation: 2.497 [total Ca] + 4.118 [total Mg] (Est)	✓	N/A
Langelier Index in Water	SM 2330 B (2021)	Calculation		N/A
Mercury, total in Water	EPA 245.7*	BrCl2 Oxidation / Cold Vapor Atomic Fluorescence Spectrometry (CVAFS)	✓	Richmond
pH in Water	SM 4500-H+ B (2021)	Electrometry	✓	Kelowna
Solids, Total Dissolved in Water	SM 1030 E (2021)	SM 1030 E		N/A
Total Metals in Water	EPA 200.2 / EPA 6020B	HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond
Turbidity in Water	SM 2130 B (2020)	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
°C	Degrees Celcius
AO	Aesthetic Objective
CU	Colour Units (referenced against a platinum cobalt standard)
MAC	Maximum Acceptable Concentration (health based)
mg/L	Milligrams per litre
NTU	Nephelometric Turbidity Units
OG	Operational Guideline (treated water)
pH units	pH < 7 = acidic, pH > 7 = basic
µS/cm	Microsiemens per centimetre
ASTM	ASTM International Test Methods
EPA	United States Environmental Protection Agency Test Methods
SM	Standard Methods for the Examination of Water and Wastewater, American Public Health Association



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**REPORTED TO PROJECT** West Kelowna, City of  
Powers Creek Water Service Area - General

**WORK ORDER REPORTED** 23L0907  
2023-12-14 14:19

**General Comments:**

The results in this report apply to the received 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. Caro will dispose of all samples within 30 days of sample receipt, unless otherwise agreed. 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: [bwhitehead@caro.ca](mailto:bwhitehead@caro.ca)

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