

## CERTIFICATE OF ANALYSIS

**REPORTED TO** Campbell Scientific Canada Corp.  
1030 Sugar Lake Rd  
Cherryville, BC V0E 2G2

**ATTENTION** Claude Labine.

**PO NUMBER**

**PROJECT** Cherryville Waterways

**PROJECT INFO**

**WORK ORDER** 25L1484

**RECEIVED / TEMP** 2025-12-10 14:29 / 10.4°C

**REPORTED** 2025-12-17 10:27

**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/IEC 17025:2017 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.

By engaging our services, you are agreeing to CARO Analytical Service's Standard Terms and Conditions outlined here: <https://www.caro.ca/terms-conditions>

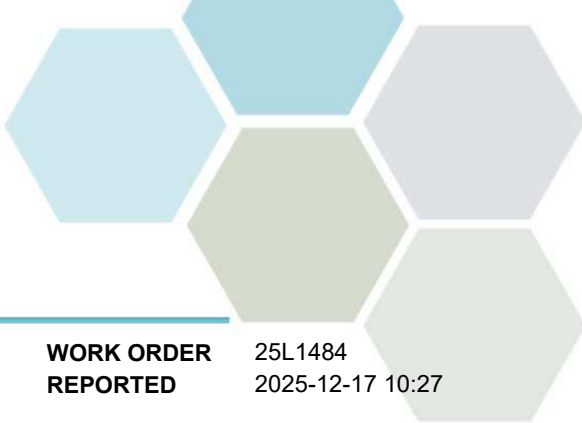
If you have any questions or concerns, please contact me at [TeamCaro@caro.ca](mailto:TeamCaro@caro.ca)

### Authorized By:

Team CARO  
Client Service Representative

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# TEST RESULTS

**REPORTED TO PROJECT** Campbell Scientific Canada Corp.  
Cherryville Waterways

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2025-12-17 10:27

Analyte	Result	RL	Units	Analyzed	Qualifier
<b>Km 1, Culvert (25L1484-01)   Matrix: Water   Sampled: 2025-12-10 11:46</b>					FILT, PRES
<b>Anions</b>					
Nitrate (as N)	8.87	0.010	mg/L	2025-12-11	
<b>General Parameters</b>					
Ammonia, Total (as N)	0.062	0.050	mg/L	2025-12-11	
Conductivity (EC)	726	2.0	µS/cm	2025-12-12	
pH	8.11	0.10	pH units	2025-12-12	HT2
Phosphorus, Total Dissolved	0.0416	0.0050	mg/L	2025-12-15	
Solids, Total Dissolved	422	15	mg/L	2025-12-15	
Turbidity	4.26	0.10	NTU	2025-12-11	
<b>Microbiological Parameters</b>					
Coliforms, Total (Q-Tray)	2620	1	MPN/100 mL	2025-12-11	
E. coli (Q-Tray)	70	1	MPN/100 mL	2025-12-11	
<b>Miscellaneous Herbicides</b>					
Glyphosate	< 0.050	0.050	mg/L	2025-12-12	

**Ferry Creek @Shuswap River (25L1484-02) | Matrix: Water | Sampled: 2025-12-10 11:31**

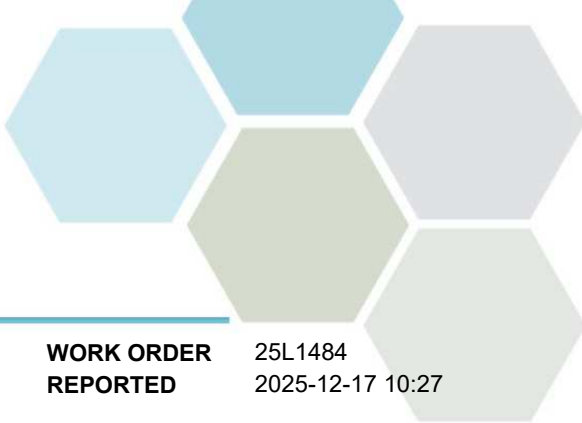
FILT,  
PRES

<b>Anions</b>					
Nitrate (as N)	< 0.010	0.010	mg/L	2025-12-12	
<b>General Parameters</b>					
Ammonia, Total (as N)	0.053	0.050	mg/L	2025-12-11	
Conductivity (EC)	334	2.0	µS/cm	2025-12-12	
pH	8.20	0.10	pH units	2025-12-12	HT2
Phosphorus, Total Dissolved	< 0.0050	0.0050	mg/L	2025-12-15	
Solids, Total Dissolved	194	15	mg/L	2025-12-15	
Turbidity	0.24	0.10	NTU	2025-12-11	
<b>Microbiological Parameters</b>					
Coliforms, Total (Q-Tray)	518	1	MPN/100 mL	2025-12-11	
E. coli (Q-Tray)	1	1	MPN/100 mL	2025-12-11	

**Shuswap River Sihlis Road (25L1484-03) | Matrix: Water | Sampled: 2025-12-10 11:00**

FILT,  
PRES

<b>Anions</b>					
Nitrate (as N)	< 0.010	0.010	mg/L	2025-12-11	
<b>General Parameters</b>					
Ammonia, Total (as N)	< 0.050	0.050	mg/L	2025-12-11	
Conductivity (EC)	78.5	2.0	µS/cm	2025-12-12	
pH	7.92	0.10	pH units	2025-12-12	HT2



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Analyte	Result	RL	Units	Analyzed	Qualifier
<b>Shuswap River Sihlis Road (25L1484-03)   Matrix: Water   Sampled: 2025-12-10 11:00, Continued</b>					FILT, PRES

**General Parameters, Continued**

Phosphorus, Total Dissolved	< 0.0050	0.0050	mg/L	2025-12-15	
Solids, Total Dissolved	43	15	mg/L	2025-12-15	
Turbidity	0.94	0.10	NTU	2025-12-11	

**Microbiological Parameters**

Coliforms, Total (Q-Tray)	290	1	MPN/100 mL	2025-12-11	
E. coli (Q-Tray)	2	1	MPN/100 mL	2025-12-11	

**Reiter Creek @ Shuswap River (25L1484-04) | Matrix: Water | Sampled: 2025-12-10 10:57**

FILT,  
PRES

**Anions**

Nitrate (as N)	< 0.010	0.010	mg/L	2025-12-11	
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**General Parameters**

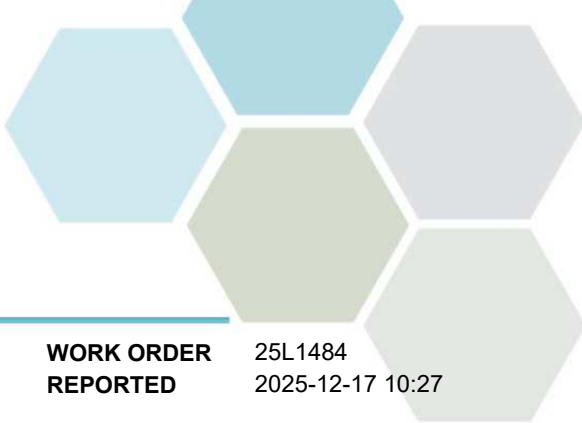
Ammonia, Total (as N)	0.059	0.050	mg/L	2025-12-11	
Conductivity (EC)	226	2.0	µS/cm	2025-12-12	
pH	8.01	0.10	pH units	2025-12-12	HT2
Phosphorus, Total Dissolved	0.0075	0.0050	mg/L	2025-12-15	
Solids, Total Dissolved	126	15	mg/L	2025-12-15	
Turbidity	1.13	0.10	NTU	2025-12-11	

**Microbiological Parameters**

Coliforms, Total (Q-Tray)	99	1	MPN/100 mL	2025-12-11	
E. coli (Q-Tray)	14	1	MPN/100 mL	2025-12-11	

**Sample Qualifiers:**

- FILT The sample has been filtered for PDP 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 PDP, NH3 in the laboratory and the holding time has been extended.



## APPENDIX 1: SUPPORTING INFORMATION

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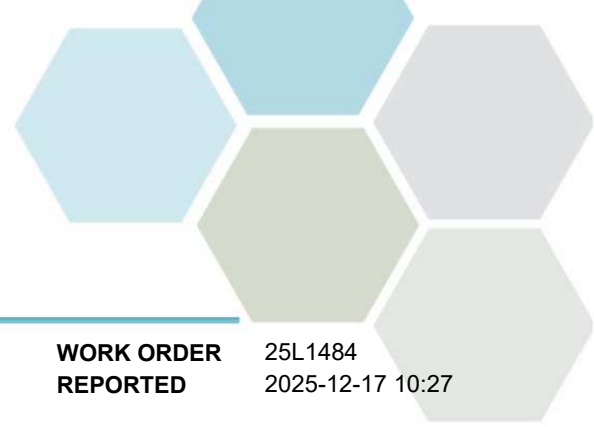
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Analysis Description	Method Ref.	Technique	Accredited	Location
Ammonia, Total in Water	SM 4500-NH3 G* (2021)	Automated Colorimetry (Phenate)	✓	Kelowna
Anions in Water	SM 4110 B (2020)	Ion Chromatography	✓	Kelowna
Coliforms, Total in Water	SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Conductivity in Water	SM 2510 B (2021)	Conductivity Meter	✓	Kelowna
E. coli in Water	SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Glyphosate in Water	EPA 547*	Direct Aqueous Injection HPLC with Post-Column Derivatization and Fluorescence Detection	✓	Richmond
pH in Water	SM 4500-H+ B (2021)	Electrometry	✓	Kelowna
Phosphorus, Total Dissolved in Water	SM 4500-P B.5* (2011) / SM 4500-P F (2021)	Persulfate Digestion / Automated Colorimetry (Ascorbic Acid)	✓	Kelowna
Solids, Total Dissolved in Water	Solids in Water, Filtered / SM 2540 C* (2020)	Solids in Water, Filtered / Gravimetry (Dried at 103-105C)	✓	Kelowna
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
mg/L	Milligrams per litre
MPN/100 mL	Most Probable Number per 100 millilitres
NTU	Nephelometric Turbidity Units
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



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### General Comments:

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