

Analytical Report

Bill To: Aaron Service 4703 Marine Avenue Powell River, BC, Canada V8A 2L2	Project ID: Project Name: Savary Shores Improvement Project Location: Savary Island P.O.: 440924 Proj. Acct. code:	Lot ID: 1889915 Control Number: Date Received: Apr 23, 2026 Date Reported: Apr 29, 2026 Report Number: 3258971 Report Type: Final Report
Attn: Coranne Anderson Sampled By: Janine Reimer Company: Administrator SSID		

Reference Number	1889915-1
Sample Date	April 22, 2026
Sample Time	09:24
Sample Location	
Sample Description	Savary Island Improvement / Well #1 / 5.0 °C
Sample Matrix	Drinking Water

Analyte	Units	Result	Nominal DL	Guideline Limit	Guideline Comments
Aggregate Organic Constituents					
UV Transmittance	%/cm	98.9	0.1		
Inorganic Nonmetallic Parameters					
Tannin & Lignin	as Tannic Acid	mg/L	<0.1	0.1	
Metals Extractable					
Aluminum	Extractable	mg/L	<0.002	0.002	0.1 OG, 2.9 MAC Below OG
Antimony	Extractable	mg/L	<0.0002	0.0002	0.006 Below MAC
Arsenic	Extractable	mg/L	<0.0002	0.0002	0.010 Below MAC
Barium	Extractable	mg/L	0.017	0.001	2.0 Below MAC
Boron	Extractable	mg/L	0.017	0.002	5 Below MAC
Cadmium	Extractable	mg/L	<0.00001	0.00001	0.007 Below MAC
Chromium	Extractable	mg/L	<0.0005	0.0005	0.05 Below MAC
Copper	Extractable	mg/L	0.010	0.001	1 AO, 2 MAC Below AO
Lead	Extractable	mg/L	<0.0001	0.0001	0.005 Below MAC
Selenium	Extractable	mg/L	<0.0002	0.002	0.05 Below MAC
Strontium	Extractable	mg/L	0.148	0.005	7.0 Below MAC
Uranium	Extractable	mg/L	<0.0005	0.0005	0.02 Below MAC
Vanadium	Extractable	mg/L	0.0011	0.0003	
Zinc	Extractable	mg/L	0.001	0.001	5.0 Below AO
Microbiological Analysis					
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL Below MAC
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL Below MAC
Physical and Aggregate Properties					
Colour	True	Colour units	<5	5	
Turbidity		NTU	0.22	0.1	
Routine Water					
pH			6.73	0.01	7.0-10.5 Below Recommended Range
pH - Holding Time			Exceeded		
Temp. of observed pH		°C	21.1		
Electrical Conductivity	at 25 °C	µS/cm	336	1	
Calcium	Extractable	mg/L	17	0.2	
Iron	Extractable	mg/L	<0.01	0.01	0.1 Below AO
Magnesium	Extractable	mg/L	7.3	0.2	
Manganese	Extractable	mg/L	<0.005	0.005	0.02 AO, 0.12 MAC Below AO
Potassium	Extractable	mg/L	2.0	0.4	
Silicon	Extractable	mg/L	14	0.05	
Sodium	Extractable	mg/L	29	0.4	200 Below AO

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Sample Location	
Sample Description	Savory Island Improvement / Well #1 / 5.0 °C
Sample Matrix	Drinking Water

Analyte		Units	Result	Nominal DL	Guideline Limit	Guideline Comments
Routine Water - Continued						
T-Alkalinity	as CaCO ₃	mg/L	45	5		
Chloride	Dissolved	mg/L	60.4	0.05	250	Below AO
Fluoride	Dissolved	mg/L	0.03	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	2.78	0.01	10	Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1.0	Below MAC
Sulfate (SO ₄)	Dissolved	mg/L	9.9	0.1	500	Below AO
Hardness	as CaCO ₃ (extractable)	mg/L	72	1		
Total Dissolved Solids	Extractable	mg/L	201	1	500	Below AO

Methodology and Notes

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Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Alk, pH, EC, Turb in water (BC)	APHA	* Alkalinity - Titration Method, 2320 B	Apr 24, 2026	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* Conductivity, 2510 B	Apr 24, 2026	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* pH - Electrometric Method, 4500-H+ B	Apr 24, 2026	Element Vancouver
Anions by IEC in water (VAN)	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	Apr 23, 2026	Element Vancouver
Metals SemiTrace (Extractable) in water (VAN)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	Apr 24, 2026	Element Vancouver
Tannin and Lignin in water (VAN)	APHA	* Colorimetric Method, 5550 B	Apr 28, 2026	Element Vancouver
Total and E-Coli - Colilert - DW (VAN)	APHA	Enzyme Substrate Test, APHA 9223 B	Apr 23, 2026	Element Vancouver
Trace Metals (extractable) in Water (VAN)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	Apr 24, 2026	Element Vancouver
True Color in water (VAN)	APHA	* Spectrophotometric - Single Wavelength Method, 2120 C	Apr 23, 2026	Element Vancouver
Turbidity - Water (VAN)	APHA	* Turbidity - Nephelometric Method, 2130 B	Apr 23, 2026	Element Vancouver
Ultraviolet Transmittance in Water	APHA	* Ultraviolet Absorption Method, 5910 B	Apr 24, 2026	Element Vancouver

* Reference Method Modified

References

APHA	Standard Methods for the Examination of Water and Wastewater
US EPA	US Environmental Protection Agency Test Methods

Guidelines

Guideline Description	Health Canada GCDWQ
Guideline Source	Guidelines for Canadian Drinking Water Quality, Health Canada, December 2025
Guideline Comments	MAC = Maximum Acceptable Concentration AO = Aesthetic Objective OG = Operational Guideline for Water Treatment Plants (does not apply to private groundwater wells). Refer to Health Canada for complete guidelines at www.hc-sc.gc.ca

Comments:

- Sample 1889915-1; 10547454: The analysis of water sample 1889915-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the December 2025 Guidelines for Canadian Drinking Water Quality for the parameters tested.
- Sample 1889915-2; 10547459: The analysis of water sample 1889915-2 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the December 2025 Guidelines for Canadian Drinking Water Quality for the parameters tested.

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services group.
Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.

Report Transmission Cover Page

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Email - Merge	PDF	Invoice

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Email - Merge	PDF	Invoice

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Delivery	Format	Deliverables
Email - Merge	PDF	COC / Test Report

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Notes To Clients:

- Sample 1889915-1; 10547454: The analysis of water sample 1889915-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the December 2025 Guidelines for Canadian Drinking Water Quality for the parameters tested.
- Sample 1889915-2; 10547459: The analysis of water sample 1889915-2 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the December 2025 Guidelines for Canadian Drinking Water Quality for the parameters tested.

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