



# North Island Laboratories

• 2755 B Moray Avenue, Courtenay, B.C. V9N 8M9 Tel: (250) 338-7786 Fax: (250) 338-7553

## Certificate of Analysis

Report To: Deep Bay Waterworks Dist.  
Admin  
5031 Mountain View Road  
Bowser, BC V0R 1G0

Lab Number: 115839  
Date Reported: 28 Nov 14  
Date Completed: 28 Nov 14  
Date Received: 17 Nov 14 14:37

### 115839-01 Well #2

Sampled By: Don Buchner  
Sampling Date: 17 Nov 14 13:00

Test	Result	Units	Drinking Water Guideline
Total ammonia - N	<0.02	mg/L	
Total Coliforms (DES)	<1.0	MPN/100mL	<1
E. coli (DES)	<1.0	MPN/100mL	<1
Colour - Apparent	16	Colour Units	15
UV Transmittance	98.1	%/cm	
Fluoride	<0.05	mg/L	1.5 MAC
Chloride	1.9	mg/L	250 AO
Nitrate (N)	<0.05	mg/L	10 MAC
Nitrite (N)	0.07	mg/L	1 MAC
Sulphate	<0.5	mg/L	500 AO
T-Aluminium	<0.005	mg/L	0.1 Operational Std.
T-Antimony	<0.0001	mg/L	0.006 MAC
T-Arsenic	<0.00005	mg/L	0.010 MAC
T-Barium	0.00045	mg/L	1.0 MAC
T-Beryllium	<0.00005	mg/L	
T-Bismuth	<0.0001	mg/L	
T-Boron	0.002	mg/L	5 IMAC
T-Cadmium	<0.00001	mg/L	0.005 MAC
T-Calcium	4.94	mg/L	
T-Chromium	0.0009	mg/L	0.05 MAC
T-Cobalt	<0.0001	mg/L	
T-Copper	0.0176	mg/L	1.0 AO
T-Iron	0.518	mg/L	0.3 AO
T-Lead	0.0038	mg/L	0.010 MAC
T-Lithium	<0.0005	mg/L	

Test results are in the results column. Your results should be below or with the values listed in the Drinking Water guidelines column on the right hand side of the report.

Aesthetic Objective; MAC = Max. Allowable Concentration; IMAC = Interim MAC  
Greater than; < = Less than

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Canadian Drinking Water Guidelines as listed on Dec. 5th, 2005 and are subject to change. Method uncertainties for specified analyses are available upon request.

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## 115839-01 Well #2

Sampled By: Don Buchner

Sampling Date: 17 Nov 14 13:00

Test	Result	Units	Drinking Water Guideline
T-Magnesium	0.92	mg/L	
T-Manganese	0.0071	mg/L	0.05 AO
T-Molybdenum	<0.00005	mg/L	
T-Nickel	0.0003	mg/L	
T-Potassium	0.1	mg/L	
T-Selenium	<0.0001	mg/L	0.01 MAC
T-Silicon	6.79	mg/L	
T-Silver	<0.00005	mg/L	
T-Sodium	3.7	mg/L	200 AO
T-Strontium	0.0239	mg/L	
T-Thallium	<0.00001	mg/L	
T-Tin	0.0031	mg/L	
T-Titanium	<0.0005	mg/L	
T-Uranium	<0.00001	mg/L	0.02 MAC
T-Vanadium	0.0011	mg/L	
T-Zinc	0.026	mg/L	5 AO
Hardness (CaCO <sub>3</sub> )	16	mg/L	
Tannins & Lignins	<0.1	mg/L	0.4 AO
pH at 25 C	7.5	pH Units	6.5-8.5
Alkalinity	<20	mg/L (CaCO <sub>3</sub> )	
Turbidity	2.4	NTU's	0.1 Operatonal Stand
Total Dissolved Solids (conductivity ca	29	mg/L	500 AO

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## 115839-01

Test	Method	Analyst	Date
Alkalinity	Titration to 4.5, APHA 2320 B -modified	NiSL	11/19/2014
Chloride	Ion Chromatography, EPA 300.1 -modified	NiSL	11/19/2014
Colour - Apparent	Spectrophotometer, APHA 2120 C -modified	NiSL	11/18/2014
E. coli (DES)	Enzyme Substrate, APHA 9223 B -modified	NiSL	11/17/2014
Fluoride	Ion Chromatography, EPA 300.1 -modified	NiSL	11/19/2014
Hardness (CaCO3)	Hardness by Calculation, APHA 2340 B -modified	NiSL	11/27/2014
Nitrate (N)	Ion Chromatography, EPA 300.1 -modified	NiSL	11/19/2014
Nitrite (N)	Ion Chromatography, EPA 300.1 -modified	NiSL	11/19/2014
pH at 25 C	Electrometric, APHA 4500 B -modified	NiSL	11/18/2014
Sulphate	Ion Chromatography, EPA 300.1 -modified	NiSL	11/19/2014
T-Aluminium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Antimony	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Arsenic	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Barium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Beryllium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Bismuth	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Boron	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Cadmium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Calcium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Chromium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Cobalt	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Copper	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Iron	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Lead	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Lithium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Magnesium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Manganese	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Molybdenum	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Nickel	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Potassium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Selenium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Silicon	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Silver	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Sodium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014

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T-Strontium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Thallium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Tin	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Titanium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Uranium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Vanadium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
T-Zinc	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/25/2014
Tannins & Lignins	Exova Subcontract,Colorimetric,APHA 5550B-modified	EXL	11/25/2014
Total ammonia - N	Hach 10205, Salicylate -modified	NIsL	11/19/2014
Total Coliforms (DES)	Enzyme Substrate, APHA 9223 B -modified	NIsL	11/17/2014
Total Dissolved Solids (conducti	Conductivity @25C, APHA 2510 A -modified	NIsL	11/19/2014
Turbidity	Nephelometric, APHA 2130 B -modified	NIsL	11/18/2014
UV Transmittance	APHA 5910 B -modified	NIsL	11/18/2014

Approved By:

Catherine Black, Owner/Operator

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