



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: 115859
Date Reported: 26 Nov 14
Date Completed: 26 Nov 14
Date Received: 18 Nov 14 13:23

115859-01 Reservoir

Sampled By: Don Buchner
Sampling Date: 18 Nov 14 10:00

Test	Result	Units	Drinking Water Guideline
Total ammonia - N	<0.02	mg/L	
Total Coliforms (DES)	9.9	MPN/100mL	<1
E. coli (DES)	<1.0	MPN/100mL	<1
Colour - Apparent	<5	Colour Units	15
UV Transmittance	99.3	%/cm	
Fluoride	0.06	mg/L	1.5 MAC
Chloride	2.4	mg/L	250 AO
Nitrate (N)	0.14	mg/L	10 MAC
Nitrite (N)	0.10	mg/L	1 MAC
Sulphate	0.8	mg/L	500 AO
T-Aluminium	0.01	mg/L	0.1 Operational Std.
T-Antimony	<0.0001	mg/L	0.006 MAC
T-Arsenic	0.00017	mg/L	0.010 MAC
T-Barium	0.00244	mg/L	1.0 MAC
T-Beryllium	<0.00005	mg/L	
T-Bismuth	<0.0001	mg/L	
T-Boron	0.004	mg/L	5 IMAC
T-Cadmium	0.00009	mg/L	0.005 MAC
T-Calcium	17.6	mg/L	
T-Chromium	0.0007	mg/L	0.05 MAC
T-Cobalt	<0.0001	mg/L	
T-Copper	0.0006	mg/L	1.0 AO
T-Iron	0.007	mg/L	0.3 AO
T-Lead	<0.0001	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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115859-01 Reservoir

Sampled By: Don Buchner

Sampling Date: 18 Nov 14 10:00

Test	Result	Units	Drinking Water Guideline
T-Magnesium	1.5	mg/L	
T-Manganese	<0.0010	mg/L	0.05 AO
T-Molybdenum	<0.00005	mg/L	
T-Nickel	0.0003	mg/L	
T-Potassium	0.4	mg/L	
T-Selenium	<0.0001	mg/L	0.01 MAC
T-Silicon	10.3	mg/L	
T-Silver	<0.00005	mg/L	
T-Sodium	3.8	mg/L	200 AO
T-Strontium	0.0492	mg/L	
T-Thallium	<0.00001	mg/L	
T-Tin	0.0015	mg/L	
T-Titanium	<0.0005	mg/L	
T-Uranium	0.00002	mg/L	0.02 MAC
T-Vanadium	0.0027	mg/L	
T-Zinc	0.0062	mg/L	5 AO
Hardness (CaCO ₃)	50	mg/L	
Tannins & Lignins	0.1	mg/L	0.4 AO
pH at 25 C	8.1	pH Units	6.5-8.5
Alkalinity	48	mg/L (CaCO ₃)	
Turbidity	<0.5	NTU's	0.1 Operatonal Stand
Total Dissolved Solids (conductivity ca	77	mg/L	500 AO

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115859-01

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	11/18/2014
Fluoride	Ion Chromatography, EPA 300.1 -modified	NiSL	11/19/2014
Hardness (CaCO3)	Hardness by Calculation, APHA 2340 B -modified	NiSL	11/25/2014
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	11/19/2014
Sulphate	Ion Chromatography, EPA 300.1 -modified	NiSL	11/19/2014
T-Aluminium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Antimony	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Arsenic	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Barium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Beryllium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Bismuth	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Boron	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Cadmium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Calcium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Chromium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Cobalt	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Copper	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Iron	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Lead	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Lithium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Magnesium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Manganese	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Molybdenum	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Nickel	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Potassium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Selenium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Silicon	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Silver	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Sodium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014

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T-Strontium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Thallium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Tin	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Titanium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Uranium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Vanadium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
T-Zinc	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/24/2014
Tannins & Lignins	Exova Subcontract,Colorimetric,APHA 5550B-modified	EXL	11/24/2014
Total ammonia - N	Hach 10205, Salicylate -modified	NIsL	11/19/2014
Total Coliforms (DES)	Enzyme Substrate, APHA 9223 B -modified	NIsL	11/18/2014
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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Certificate of Analysis

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

Lab Number: 115838
Date Reported: 28 Nov 14
Date Completed: 28 Nov 14
Date Received: 17 Nov 14 14:32

115838-01 Well #1

Sampled By: Don Buchner
Sampling Date: 17 Nov 14 10:30

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	5	Colour Units	15
UV Transmittance	99.0	%/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)	0.09	mg/L	1 MAC
Sulphate	0.6	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	0.00619	mg/L	1.0 MAC
T-Beryllium	<0.00005	mg/L	
T-Bismuth	<0.0001	mg/L	
T-Boron	0.003	mg/L	5 IMAC
T-Cadmium	<0.00001	mg/L	0.005 MAC
T-Calcium	9.25	mg/L	
T-Chromium	0.0007	mg/L	0.05 MAC
T-Cobalt	<0.0001	mg/L	
T-Copper	0.0018	mg/L	1.0 AO
T-Iron	0.05	mg/L	0.3 AO
T-Lead	0.0018	mg/L	0.010 MAC
T-Lithium	<0.0005	mg/L	

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

115838-01 Well #1

Sampled By: Don Buchner

Sampling Date: 17 Nov 14 10:30

Test	Result	Units	Drinking Water Guideline
T-Magnesium	2	mg/L	
T-Manganese	0.0019	mg/L	0.05 AO
T-Molybdenum	<0.00005	mg/L	
T-Nickel	0.007	mg/L	
T-Potassium	0.2	mg/L	
T-Selenium	<0.0001	mg/L	0.01 MAC
T-Silicon	9.89	mg/L	
T-Silver	<0.00005	mg/L	
T-Sodium	2.6	mg/L	200 AO
T-Strontium	0.0217	mg/L	
T-Thallium	<0.00001	mg/L	
T-Tin	0.0006	mg/L	
T-Titanium	<0.0005	mg/L	
T-Uranium	<0.00001	mg/L	0.02 MAC
T-Vanadium	0.0014	mg/L	
T-Zinc	0.0398	mg/L	5 AO
Hardness (CaCO ₃)	31	mg/L	
Tannins & Lignins	<0.1	mg/L	0.4 AO
pH at 25 C	7.2	pH Units	6.5-8.5
Alkalinity	36	mg/L (CaCO ₃)	
Turbidity	0.5	NTU's	0.1 Operatonal Stand
Total Dissolved Solids (conductivity ca	48	mg/L	500 AO

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115838-01

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	11/24/2014
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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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	

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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 ₃)	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 ₃)	
Turbidity	2.4	NTU's	0.1 Operatonal Stand
Total Dissolved Solids (conductivity ca	29	mg/L	500 AO

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Greater than; < = Less than

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North Island Laboratories

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

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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Greater than; < = Less than

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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

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.

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Greater than; <= Less than

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• 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: 115837
Date Reported: 28 Nov 14
Date Completed: 28 Nov 14
Date Received: 17 Nov 14 14:28

115837-01 Well #3

Sampled By: Don Buchner
Sampling Date: 17 Nov 14 11:00

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	10	Colour Units	15
UV Transmittance	98.5	%/cm	
Fluoride	<0.05	mg/L	1.5 MAC
Chloride	1.3	mg/L	250 AO
Nitrate (N)	0.06	mg/L	10 MAC
Nitrite (N)	0.08	mg/L	1 MAC
Sulphate	0.8	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	0.00106	mg/L	1.0 MAC
T-Beryllium	<0.00005	mg/L	
T-Bismuth	<0.0001	mg/L	
T-Boron	0.004	mg/L	5 IMAC
T-Cadmium	<0.00001	mg/L	0.005 MAC
T-Calcium	10.3	mg/L	
T-Chromium	0.0007	mg/L	0.05 MAC
T-Cobalt	<0.0001	mg/L	
T-Copper	0.0075	mg/L	1.0 AO
T-Iron	0.167	mg/L	0.3 AO
T-Lead	0.0026	mg/L	0.010 MAC
T-Lithium	<0.0005	mg/L	

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115837-01 Well #3

Sampled By: Don Buchner

Sampling Date: 17 Nov 14 11:00

Test	Result	Units	Drinking Water Guideline
T-Magnesium	2.31	mg/L	
T-Manganese	0.0038	mg/L	0.05 AO
T-Molybdenum	<0.00005	mg/L	
T-Nickel	0.0006	mg/L	
T-Potassium	0.2	mg/L	
T-Selenium	<0.0001	mg/L	0.01 MAC
T-Silicon	11.2	mg/L	
T-Silver	<0.00005	mg/L	
T-Sodium	3.1	mg/L	200 AO
T-Strontium	0.0272	mg/L	
T-Thallium	<0.00001	mg/L	
T-Tin	0.0012	mg/L	
T-Titanium	<0.0005	mg/L	
T-Uranium	<0.00001	mg/L	0.02 MAC
T-Vanadium	0.0016	mg/L	
T-Zinc	0.0158	mg/L	5 AO
Hardness (CaCO ₃)	35	mg/L	
Tannins & Lignins	0.1	mg/L	0.4 AO
pH at 25 C	7.2	pH Units	6.5-8.5
Alkalinity	36	mg/L (CaCO ₃)	
Turbidity	1.2	NTU's	0.1 Operatonal Stand
Total Dissolved Solids (conductivity ca	51	mg/L	500 AO

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

115837-01

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

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	11/24/2014
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

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.

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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: 115835
Date Reported: 28 Nov 14
Date Completed: 28 Nov 14
Date Received: 17 Nov 14 14:04

115835-01 Well #5

Sampled By: Don Buchner
Sampling Date: 17 Nov 14 12:25

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	<5	Colour Units	15
UV Transmittance	99.7	%/cm	
Fluoride	0.06	mg/L	1.5 MAC
Chloride	3.0	mg/L	250 AO
Nitrate (N)	0.14	mg/L	10 MAC
Nitrite (N)	0.07	mg/L	1 MAC
Sulphate	0.9	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	0.0001	mg/L	0.010 MAC
T-Barium	0.00214	mg/L	1.0 MAC
T-Beryllium	<0.00005	mg/L	
T-Bismuth	<0.0001	mg/L	
T-Boron	0.007	mg/L	5 IMAC
T-Cadmium	<0.00001	mg/L	0.005 MAC
T-Calcium	11.4	mg/L	
T-Chromium	0.0006	mg/L	0.05 MAC
T-Cobalt	<0.0001	mg/L	
T-Copper	0.0031	mg/L	1.0 AO
T-Iron	0.004	mg/L	0.3 AO
T-Lead	0.0016	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.

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North Island Laboratories

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

115835-01 Well #5

Sampled By: Don Buchner

Sampling Date: 17 Nov 14 12:25

Test	Result	Units	Drinking Water Guideline
T-Magnesium	3.39	mg/L	
T-Manganese	<0.0010	mg/L	0.05 AO
T-Molybdenum	0.00008	mg/L	
T-Nickel	<0.0002	mg/L	
T-Potassium	0.4	mg/L	
T-Selenium	<0.0001	mg/L	0.01 MAC
T-Silicon	10.6	mg/L	
T-Silver	<0.00005	mg/L	
T-Sodium	3.5	mg/L	200 AO
T-Strontium	0.0261	mg/L	
T-Thallium	<0.00001	mg/L	
T-Tin	0.0044	mg/L	
T-Titanium	<0.0005	mg/L	
T-Uranium	0.00001	mg/L	0.02 MAC
T-Vanadium	0.0022	mg/L	
T-Zinc	0.01	mg/L	5 AO
Hardness (CaCO ₃)	42	mg/L	
Tannins & Lignins	<0.1	mg/L	0.4 AO
pH at 25 C	7.4	pH Units	6.5-8.5
Alkalinity	42	mg/L (CaCO ₃)	
Turbidity	<0.5	NTU's	0.1 Operatonal Stand
Total Dissolved Solids (conductivity ca	63	mg/L	500 AO

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North Island Laboratories

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

115835-01

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	11/24/2014
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

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.

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Certificate of Analysis

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

Lab Number: 115836
Date Reported: 28 Nov 14
Date Completed: 28 Nov 14
Date Received: 17 Nov 14 14:07

115836-01 Well #6

Sampled By: Don Buchner
Sampling Date: 17 Nov 14 11:55

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	9	Colour Units	15
UV Transmittance	99.1	%/cm	
Fluoride	0.06	mg/L	1.5 MAC
Chloride	1.9	mg/L	250 AO
Nitrate (N)	0.08	mg/L	10 MAC
Nitrite (N)	0.08	mg/L	1 MAC
Sulphate	0.6	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	0.00014	mg/L	0.010 MAC
T-Barium	0.00176	mg/L	1.0 MAC
T-Beryllium	<0.00005	mg/L	
T-Bismuth	<0.0001	mg/L	
T-Boron	0.006	mg/L	5 IMAC
T-Cadmium	<0.00001	mg/L	0.005 MAC
T-Calcium	12.3	mg/L	
T-Chromium	0.0009	mg/L	0.05 MAC
T-Cobalt	<0.0001	mg/L	
T-Copper	0.004	mg/L	1.0 AO
T-Iron	0.125	mg/L	0.3 AO
T-Lead	0.001	mg/L	0.010 MAC
T-Lithium	<0.0005	mg/L	

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115836-01 Well #6

Sampled By: Don Buchner

Sampling Date: 17 Nov 14 11:55

Test	Result	Units	Drinking Water Guideline
T-Magnesium	3.63	mg/L	
T-Manganese	0.0037	mg/L	0.05 AO
T-Molybdenum	0.00011	mg/L	
T-Nickel	<0.0002	mg/L	
T-Potassium	0.3	mg/L	
T-Selenium	<0.0001	mg/L	0.01 MAC
T-Silicon	10.4	mg/L	
T-Silver	<0.00005	mg/L	
T-Sodium	5.1	mg/L	200 AO
T-Strontium	0.0251	mg/L	
T-Thallium	<0.00001	mg/L	
T-Tin	0.0062	mg/L	
T-Titanium	<0.0005	mg/L	
T-Uranium	<0.00001	mg/L	0.02 MAC
T-Vanadium	0.0023	mg/L	
T-Zinc	0.0055	mg/L	5 AO
Hardness (CaCO ₃)	46	mg/L	
Tannins & Lignins	<0.1	mg/L	0.4 AO
pH at 25 C	7.4	pH Units	6.5-8.5
Alkalinity	50	mg/L (CaCO ₃)	
Turbidity	1.1	NTU's	0.1 Operatonal Stand
Total Dissolved Solids (conductivity ca	69	mg/L	500 AO

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115836-01

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

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	11/24/2014
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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• 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: 115834
Date Reported: 28 Nov 14
Date Completed: 28 Nov 14
Date Received: 17 Nov 14 13:53

115834-01 Well #8

Sampled By: Don Buchner
Sampling Date: 17 Nov 14 12:40

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	<5	Colour Units	15
UV Transmittance	99.6	%/cm	
Fluoride	<0.05	mg/L	1.5 MAC
Chloride	1.9	mg/L	250 AO
Nitrate (N)	0.16	mg/L	10 MAC
Nitrite (N)	0.08	mg/L	1 MAC
Sulphate	0.8	mg/L	500 AO
T-Aluminium	0.029	mg/L	0.1 Operational Std.
T-Antimony	<0.0001	mg/L	0.006 MAC
T-Arsenic	0.00016	mg/L	0.010 MAC
T-Barium	0.00214	mg/L	1.0 MAC
T-Beryllium	<0.00005	mg/L	
T-Bismuth	<0.0001	mg/L	
T-Boron	0.015	mg/L	5 IMAC
T-Cadmium	<0.00001	mg/L	0.005 MAC
T-Calcium	10.5	mg/L	
T-Chromium	0.0009	mg/L	0.05 MAC
T-Cobalt	<0.0001	mg/L	
T-Copper	0.0066	mg/L	1.0 AO
T-Iron	0.119	mg/L	0.3 AO
T-Lead	0.0005	mg/L	0.010 MAC
T-Lithium	<0.0005	mg/L	

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115834-01 Well #8

Sampled By: Don Buchner

Sampling Date: 17 Nov 14 12:40

Test	Result	Units	Drinking Water Guideline
T-Magnesium	3.04	mg/L	
T-Manganese	0.0091	mg/L	0.05 AO
T-Molybdenum	0.00009	mg/L	
T-Nickel	0.0026	mg/L	
T-Potassium	0.3	mg/L	
T-Selenium	<0.0001	mg/L	0.01 MAC
T-Silicon	10.4	mg/L	
T-Silver	<0.00005	mg/L	
T-Sodium	3.4	mg/L	200 AO
T-Strontium	0.0263	mg/L	
T-Thallium	<0.00001	mg/L	
T-Tin	0.0029	mg/L	
T-Titanium	0.0019	mg/L	
T-Uranium	0.00001	mg/L	0.02 MAC
T-Vanadium	0.0021	mg/L	
T-Zinc	0.0091	mg/L	5 AO
Hardness (CaCO ₃)	39	mg/L	
Tannins & Lignins	<0.1	mg/L	0.4 AO
pH at 25 C	7.5	pH Units	6.5-8.5
Alkalinity	40	mg/L (CaCO ₃)	
Turbidity	<0.5	NTU's	0.1 Operatonal Stand
Total Dissolved Solids (conductivity ca	59	mg/L	500 AO

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115834-01

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	11/24/2014
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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