



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.
Leslie
5031 Mountain View Road
Bowser, BC V0R 1G0

Lab Number: 91432
Date Reported: 10 Nov 11
Date Completed: 10 Nov 11
Date Received: 1 Nov 11 13:52

91432-01 Well #6

Sampled By: Don Buchner
Sampling Date: 1 Nov 11 12:00

Test	Result	Units	Drinking Water Guideline
Total Ammonia (N)	<0.01	mg/L	
Total Coliforms (DES)	<1.0	MPN/100mL	<1
E. coli (DES)	<1.0	MPN/100mL	<1
pH	7.6	pH Units	6.5-8.5
Alkalinity	49	mg/L (CaCO ₃)	
Turbidity	0.8	NTU's	5 AO
Total Dissolved Solids (conductivity ca	65	mg/L	500 AO
Fluoride	0.07	mg/L	1.5 MAC
Chloride	1.4	mg/L	250 AO
Nitrate (N)	<0.05	mg/L	10 MAC
Nitrite (N)	<0.05	mg/L	1 MAC
Sulphate	0.7	mg/L	500 AO
T-Aluminium	<0.005	mg/L	0.1 Operational Std.
T-Antimony	<0.0002	mg/L	0.006 MAC
T-Arsenic	<0.0002	mg/L	0.010 MAC
T-Barium	0.001	mg/L	1.0 MAC
T-Beryllium	<0.00004	mg/L	
T-Bismuth	<0.001	mg/L	
T-Boron	<0.005	mg/L	5 IMAC
T-Cadmium	<0.00001	mg/L	0.005 MAC
T-Calcium	11.5	mg/L	
T-Chromium	0.0008	mg/L	0.05 MAC
T-Cobalt	<0.00002	mg/L	
T-Copper	<0.001	mg/L	1.0 AO
T-Iron	0.058	mg/L	0.3 AO
T-Lead	0.0001	mg/L	0.010 MAC
T-Lithium	<0.001	mg/L	

AO = Aesthetic Objective; MAC = Max. Allowable Concentration; IMAC = Interim MAC

> = Greater than; < = Less than

Results relate only to samples as submitted. This certificate must not be reproduced, except in its entirety, without written consent from the laboratory.

Canadian Drinking Water Guidelines as listed on Dec. 5th, 2005 and are subject to

10/11/2011 15:31

Page 1 of 4



North Island Laboratories

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

91432-01 Well #6

Sampled By: Don Buchner

Sampling Date: 1 Nov 11 12:00

Test	Result	Units	Drinking Water Guideline
T-Magnesium	3.6	mg/L	
T-Manganese	<0.005	mg/L	0.05 AO
T-Molybdenum	<0.0001	mg/L	
T-Nickel	<0.001	mg/L	
T-Phosphorus	0.017	mg/L	
T-Potassium	<0.1	mg/L	
T-Selenium	<0.0006	mg/L	0.01 MAC
T-Silicon	7.98	mg/L	
T-Silver	<0.00001	mg/L	
T-Sodium	2.78	mg/L	200 AO
T-Strontium	0.025	mg/L	
T-Thallium	<0.00001	mg/L	
T-Tin	<0.0001	mg/L	
T-Titanium	0.002	mg/L	
T-Uranium	<0.0004	mg/L	0.02 MAC
T-Vanadium	0.0025	mg/L	
T-Zinc	0.003	mg/L	5 AO
Hardness (CaCO ₃)	44	mg/L	
Colour - Apparent	<5	Colour units	15 AO
Tannins & Lignins	<0.1	mg/L	0.4 AO
UV Transmittance	95.1	%/cm	

AO = Aesthetic Objective; MAC = Max. Allowable Concentration; IMAC = Interim MAC

> = Greater than; < = Less than

Results relate only to samples as submitted. This certificate must not be reproduced, except in its entirety, without written consent from the laboratory.

Canadian Drinking Water Guidelines as listed on Dec. 5th, 2005 and are subject to

10/11/2011 15:31

Page 2 of 4



North Island Laboratories

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

91432-01

Test	Method	Analyst	Date
Alkalinity	Titration to 4.5, APHA 2320 B -modified	NiSL	04/11/2011
Chloride	Ion Chromatography, EPA 300.1 -modified	NiSL	07/11/2011
Colour - Apparent	Exova Subcontract, APHA 2120 C -modified	EXL	11/03/2011
E. coli (DES)	Enzyme Substrate, APHA 9223 B -modified	NiSL	01/11/2011
Fluoride	Ion Chromatography, EPA 300.1 -modified	NiSL	07/11/2011
Hardness (CaCO ₃)	Hardness by Calculation, APHA 2340 B -modified	EXL	
Nitrate (N)	Ion Chromatography, EPA 300.1 -modified	NiSL	07/11/2011
Nitrite (N)	Ion Chromatography, EPA 300.1 -modified	NiSL	07/11/2011
pH	Electrometric, APHA 4500 B -modified	NiSL	04/11/2011
Sulphate	Ion Chromatography, EPA 300.1 -modified	NiSL	07/11/2011
T-Aluminium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Antimony	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Arsenic	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Barium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Beryllium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Bismuth	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Boron	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Cadmium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Calcium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Chromium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Cobalt	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Copper	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Iron	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Lead	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Lithium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Magnesium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Manganese	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Molybdenum	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Nickel	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Phosphorus	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Potassium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Selenium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Silicon	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Silver	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Sodium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011

AO = Aesthetic Objective; MAC = Max. Allowable Concentration; IMAC = Interim MAC

> = Greater than; < = Less than

Results relate only to samples as submitted. This certificate must not be reproduced, except in its entirety, without written consent from the laboratory.

Canadian Drinking Water Guidelines as listed on Dec. 5th, 2005 and are subject to

10/11/2011 15:31

Page 3 of 4



North Island Laboratories

• 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	11/03/2011
T-Thallium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Tin	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Titanium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Uranium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Vanadium	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
T-Zinc	Exova Subcontract, ICP-AES,EPA6010C,200.8-modified	EXL	11/03/2011
Tannins & Lignins	Exova Subcontract,Colorimetric,APHA 5550B-modified	EXL	11/03/2011
Total Ammonia (N)	Exova Subcontract, APHA 4500-NH3 C -modified	EXL	11/03/2011
Total Coliforms (DES)	Enzyme Substrate, APHA 9223 B -modified	NIsL	01/11/2011
Total Dissolved Solids (conducti	Conductivity @25C, APHA 2510 A -modified	NIsL	04/11/2011
Turbidity	Nephelometric, APHA 2130 B -modified	NIsL	02/11/2011
UV Transmittance	Exova Subcontract, APHA 5910 B -modified	EXL	11/03/2011

Approved By:

Catherine Black, Owner/Operator

AO = Aesthetic Objective; MAC = Max. Allowable Concentration; IMAC = Interim MAC

> = Greater than; < = Less than

Results relate only to samples as submitted. This certificate must not be reproduced, except in its entirety, without written consent from the laboratory.

Canadian Drinking Water Guidelines as listed on Dec. 5th, 2005 and are subject to

10/11/2011 15:31

Page 4 of 4