

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: Public Works
Village of Cumberland
Box 340
Cumberland, BC
V0R 1S0

Lab Number: 114936
Date Reported: 15 Oct 14
Date Completed: 15 Oct 14
Date Received: 7 Oct 14 10:24

114936-01 Well Village of Cumberland Raw Water

Sampled By: Kevin Fitzgerald
Sampling Date: 7 Oct 14 9:00

Test	Result	Units	Drinking Water Guideline
Total Coliforms (DES)	>200.5	MPN/100mL	<1
E. coli (DES)	<1.0	MPN/100mL	<1
Colour - Apparent	69	Colour Units	15
UV Transmittance	82.5	%/cm	
Fluoride	<0.05	mg/L	1.5 MAC
Chloride	13.3	mg/L	250 AO
Nitrate (N)	<0.05	mg/L	10 MAC
Nitrite (N)	<0.05	mg/L	1 MAC
Sulphate	<0.5	mg/L	500 AO
T-Aluminium	0.008	mg/L	0.1 Operational Std.
T-Antimony	0.0004	mg/L	0.006 MAC
T-Arsenic	0.00507	mg/L	0.010 MAC
T-Barium	0.00445	mg/L	1.0 MAC
T-Beryllium	<0.00005	mg/L	
T-Bismuth	0.0058	mg/L	
T-Boron	0.202	mg/L	5 IMAC
T-Cadmium	0.00009	mg/L	0.005 MAC
T-Calcium	12.8	mg/L	
T-Chromium	0.0066	mg/L	0.05 MAC
T-Cobalt	0.0007	mg/L	
T-Copper	0.145	mg/L	1.0 AO
T-Iron	1.56	mg/L	0.3 AO
T-Lead	0.0722	mg/L	0.010 MAC
T-Lithium	0.0063	mg/L	
T-Magnesium	3.35	mg/L	
T-Manganese	0.0231	mg/L	0.05 AO

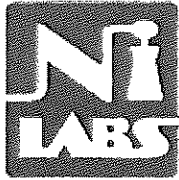
AO = Aesthetic Objective; MAC = Max. Allowable Concentration; IMAC = Interim MAC
> = Greater than; < = Less than

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 change. Method uncertainties for specified analyses are available upon request.

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Sampled By: Kevin Fitzgerald

Sampling Date: 7 Oct 14 9:00

Test	Result	Units	Drinking Water Guideline
T-Molybdenum	0.00097	mg/L	
T-Nickel	2.17	mg/L	
T-Potassium	0.8	mg/L	
T-Selenium	<0.0001	mg/L	0.01 MAC
T-Silicon	5.94	mg/L	
T-Silver	0.00006	mg/L	
T-Sodium	26.3	mg/L	200 AO
T-Strontium	0.0388	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	0.002	mg/L	
T-Zinc	2.04	mg/L	5 AO
Hardness (CaCO3)	46	mg/L	
Tannins & Lignins	1	mg/L	0.4 AO
pH at 25 C	6.8	pH Units	6.5-8.5
Alkalinity	56	mg/L (CaCO3)	
Turbidity	3.6	NTU's	0.1 Operatonal Stand
Total Dissolved Solids (conductivity ca	117	mg/L	500 AO

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