



Certificate of Potability

Norwest Labs
#104, 19575-55 A Ave.
Surrey, BC. V3S 8P8
Phone: (604) 514-3322
Fax: (604) 514-3323

Bill to: Discovery Islands Water Quality
Services
Report to: Discovery Islands Water Quality
Services
Box 180
Quathiaski Cove, BC, Canada
V0P 1N0
Attn: Paul Flemming
Sampled By:
Company:

Project
ID: Well Head - # 11339 - # 19
Name:
Location: Sisken Lane Cortez Island
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 407324
Control Number:
Date Received: Sep 09, 2005
Date Reported: Sep 15, 2005
Report Number: 745015

Page: 1 of 1

Sample Description: Sisken Lane Cortez Island / Well Head - # 11339 - Lot # 19

The above mentioned water sample number **407324 - 1** supplied by **Discovery Islands Water Quality Services** meets the chemical and bacteriological requirements specified by the Oct. 19th 2004 Guidelines for Canadian Drinking Water Quality for the constituents tested.

Comments:

Approved by:

Marie England
Consulting Scientist

Note:

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Report Transmission Cover Page

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Contact	Company	Address									
Paul Flemming Web Email Notification	Cash Account	Box 180 Quathiaski Cove, BC V0P 1N0 Phone: (250) 830-3744 Email: thewaterguy@uniserve.com									
<table border="1"> <thead> <tr> <th>Copies</th> <th>Delivery Strategy</th> <th>Format</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Post</td> <td></td> </tr> <tr> <td>1</td> <td>Email - Single Report</td> <td>PDF</td> </tr> </tbody> </table>		Copies	Delivery Strategy	Format	1	Post		1	Email - Single Report	PDF	Fax:
Copies	Delivery Strategy	Format									
1	Post										
1	Email - Single Report	PDF									

NOTE: **P** indicates a preliminary report is required
NOTE: **A** indicates report is delivered using automated delivery

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Report Transmission Notes

Agreement Notes

Lot Notes

Sample Notes:

Notes to Clients
Lot Notes:
Sample Notes:
Batch Notes:
Method Notes:
Method Result Notes:

Reports associated with this Lot

Id/Format/Reported Date

Id/Format/Reported Date

Id/Format/Reported Date

745015 Env Guide No Disp

Comment:

See Methodology and Notes page of Analytical Report for all comments pertaining to this report.

If this report transmission is not satisfactory, please send report requirements to the address at the top of this page.

9/15/05 745015 15-Sep-2005



Analytical Report

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NWL Lot ID: 407324
Control Number:
Date Received: Sep 09, 2005
Date Reported: Sep 15, 2005
Report Number: 745015

NWL Number: 407324-1
 Sample Date: Sep 08, 2005 7:00:00AM
 Sample Description: Sisken Lane Cortez Island / Well Head - # 11339 - Lot # 19
 Sample Matrix: Water - General

Analyte	Units	Result	Detection Limit	Guideline Limit	Guideline Comments	
Metals Extractable						
Aluminum	Extractable mg/L	0.012	0.005	0.1	Acceptable	
Antimony	Extractable mg/L	<0.0002	0.0002	0.006	Pass	
Arsenic	Extractable mg/L	0.0003	0.0002	0.025	Pass	
Barium	Extractable mg/L	0.004	0.001	1	Pass	
Boron	Extractable mg/L	0.003	0.002	5	Pass	
Cadmium	Extractable mg/L	<0.00001	0.00001	0.005	Pass	
Chromium	Extractable mg/L	0.0008	0.0005	0.05	Pass	
Copper	Extractable mg/L	<0.001	0.001	1	Acceptable	
Lead	Extractable mg/L	0.0002	0.0001	0.01	Pass	
Uranium	Extractable mg/L	<0.0005	0.0005	0.02	Pass	
Zinc	Extractable mg/L	0.008	0.001	5	Acceptable	
Microbiological Analysis						
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	<1.0	1	<1	Pass
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1	1	<1	Pass
Heterotrophic Count - Aerobic	SimPlate	MPN/mL	>738	2	500	Above Aesthetic
Physical and Aggregate Properties						
Colour	Apparent, Potable	Colour units	5	5	15	Acceptable
Turbidity		NTU	3.2	0.1	5	Acceptable
Temperature	As Received	°C	5.0	-		n/a
Routine Water						
pH			7.66	-	6.5 - 8.5	Acceptable
Sodium	Extractable	mg/L	9.0	0.4	200	Acceptable
Iron	Extractable	mg/L	0.23	0.03	0.3	Acceptable
Manganese	Extractable	mg/L	0.008	0.005	0.05	Acceptable
Chloride	Dissolved	mg/L	9.6	0.4	250	Acceptable
Fluoride		mg/L	<0.05	0.05	1.5	Pass
Nitrate - N		mg/L	0.05	0.01	10	Pass
Nitrite - N		mg/L	<0.005	0.005	1	Pass
Sulfate (SO4)		mg/L	2	0.9	500	Acceptable

Please Note: Related regulatory criteria are provided as a service to clients. Norwest Labs' responsibility is limited to analytical data. We are not responsible for ensuring that listed criteria are current, scientifically valid, appropriate and sufficient for the user of the data.



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Sample Description	Sisken Lane Cortez Island / Well Head - # 11339 - Lot # 19
Sample Matrix	Water - General

Analyte	Units	Result	Detection Limit	Guideline Limit	Guideline Comments	
Routine Water - Continued						
T-Alkalinity	as CaCO3	mg/L	43	5	250-650	Low
Total Dissolved Solids		mg/L	60	1	500	Acceptable
Hardness	as CaCO3	mg/L	37	-		Soft

Approved by: 
Marie England
Consulting Scientist



Methodology and Notes

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Method of Analysis:

MethodName	Reference	Method	Date Analysis Started	Location
Alkalinity, pH, and EC in water	APHA	* Electrometric Method, 4500-H+ B	14-Sep-05	Norwest Labs Edmonton
Alkalinity, pH, and EC in water	APHA	* Titration Method, 2320 B	14-Sep-05	Norwest Labs Edmonton
Anions (Routine) by Ion Chromatography	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	14-Sep-05	Norwest Labs Edmonton
Chloride in Water	APHA	* Automated Ferricyanide Method, 4500-Cl- E	14-Sep-05	Norwest Labs Edmonton
Colour (Apparent) in water	APHA	* Visual Comparison Method, 2120 B	13-Sep-05	Norwest Labs Edmonton
E. coli - Colilert	APHA	Enzyme Substrate Test, 9223 B	9-Sep-05	Norwest Labs Surrey
Heterotrophic (Standard) Plate Count (Aerobic SP) - Surrey	APHA	Heterotrophic Plate Count - Pour Plate Method, 9215 B	9-Sep-05	Norwest Labs Surrey
Metals ICP-MS (Extractable) in water	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	14-Sep-05	Norwest Labs Edmonton
Metals Trace (Extractable) in water	APHA	* Inductively Coupled Plasma (ICP) Method, 3120 B	14-Sep-05	Norwest Labs Edmonton
Total Coliforms- Colilert	APHA	Enzyme Substrate Test, 9223 B	9-Sep-05	Norwest Labs Surrey
Turbidity in Water	APHA	* Nephelometric Method, 2130 B	13-Sep-05	Norwest Labs Edmonton

* Norwest method(s) is based on reference method

References:

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

Comments:

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

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