



**NORWEST
LABS**

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 # 11309 - Lot # 15
Name:
Location: Siske Lane Cortez Island
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 407325
Control Number:
Date Received: Sep 09, 2005
Date Reported: Sep 15, 2005
Report Number: 745022

Page: 1 of 1

Sample Description: Siske Lane Cortez Island / Well Head # 11309 - Lot # 15

The above mentioned water sample number **407325 - 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	Cash Account	Box 180									
Web		Quathiaski Cove, BC V0P 1N0									
Email Notification		Phone: (250) 830-3744									
		Fax:									
		Email: thewaterguy@uniserve.com									
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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

745022 Env Guide No Disp

Id/Format/Reported Date

Id/Format/Reported Date

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.



Analytical Report

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NWL Number	407325-1
Sample Date	Sep 08, 2005 10:30:00AM
Sample Description	Siske Lane Cortez Island / Well Head # 11309 - Lot # 15
Sample Matrix	Water - General

Analyte	Units	Result	Detection Limit	Guideline Limit	Guideline Comments
Metals Extractable					
Aluminum	Extractable mg/L	0.010	0.005	0.1	Acceptable
Antimony	Extractable mg/L	<0.0002	0.0002	0.006	Pass
Arsenic	Extractable mg/L	0.0004	0.0002	0.025	Pass
Barium	Extractable mg/L	0.004	0.001	1	Pass
Boron	Extractable mg/L	0.004	0.002	5	Pass
Cadmium	Extractable mg/L	<0.00001	0.00001	0.005	Pass
Chromium	Extractable mg/L	0.0006	0.0005	0.05	Pass
Copper	Extractable mg/L	0.002	0.001	1	Acceptable
Lead	Extractable mg/L	0.0003	0.0001	0.01	Pass
Uranium	Extractable mg/L	<0.0005	0.0005	0.02	Pass
Zinc	Extractable mg/L	0.001	0.001	5	Acceptable
Microbiological Analysis					
Total Coliforms	Enzyme Substrate TestMPN/100 mL	<1.0	1	<1	Pass
Escherichia coli	Enzyme Substrate TestMPN/100 mL	<1	1	<1	Pass
Heterotrophic Count - Aerobic	SimPlate MPN/mL	<2	2	500	Acceptable
Physical and Aggregate Properties					
Colour	Apparent, Potable Colour units	10	5	15	Acceptable
Turbidity	NTU	2.3	0.1	5	Acceptable
Temperature	As Received °C	5.0	-		n/a
Routine Water					
pH		7.64	-	6.5 - 8.5	Acceptable
Sodium	Extractable mg/L	10.7	0.4	200	Acceptable
Iron	Extractable mg/L	0.26	0.03	0.3	Acceptable
Manganese	Extractable mg/L	0.014	0.005	0.05	Acceptable
Chloride	Dissolved mg/L	8.7	0.4	250	Acceptable
Fluoride	mg/L	<0.05	0.05	1.5	Pass
Nitrate - N	mg/L	0.07	0.01	10	Pass
Nitrite - N	mg/L	<0.005	0.005	1	Pass
Sulfate (SO4)	mg/L	1	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	Siske Lane Cortez Island / Well Head # 11309 - Lot # 15
Sample Matrix	Water - General

Analyte		Units	Result	Detection Limit	Guideline Limit	Guideline Comments
Routine Water - Continued						
T-Alkalinity	as CaCO3	mg/L	61	5	250–650	Low
Total Dissolved Solids		mg/L	75	1	500	Acceptable
Hardness	as CaCO3	mg/L	47	–		Soft

Approved by:

Marie England
Consulting Scientist

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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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