



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 # 11310 Lot 10
Name:
Location: Siskan Lane, Cortez Island
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 410330
Control Number:
Date Received: Sep 22, 2005
Date Reported: Sep 26, 2005
Report Number: 750984

Page: 1 of 1

Sample Description: Siskan Lane, Cortez Island / Well Head # 11310 - Lot # 10

The above mentioned water sample number **410330 - 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:

Client called NWL to advise that the bacteria is past holding time, but to proceed with analysis.

Approved by:

Marie England
Consulting Scientist

Note:

All reports are the confidential property of our clients. Publication of statements, conclusions or extracts from or regarding our report is not permitted without our written approval. Any liability attached thereto is limited to the fee charged.



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

_____ # OF PAGES IN THIS TRANSMISSION

Report Transmission Notes

Agreement Notes

Lot Notes

Sample Notes:

Notes to Clients

Lot Notes:

Client called NWL to advise that the bacteria is past holding time, but to proceed with analysis.

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

750984 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.

9/28/05

750984 28-Sep-2005



Analytical Report

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Date Received: Sep 22, 2005
Date Reported: Sep 26, 2005
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NWL Number: 410330-1
 Sample Date: Sep 20, 2005 10:00:00PM
 Sample Description: Siskan Lane, Cortez Island / Well Head # 11310 - Lot # 10
 Sample Matrix: Water - General

Analyte	Units	Result	Detection Limit	Guideline Limit	Guideline Comments	
Metals Extractable						
Aluminum	Extractable mg/L	<0.005	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	0.005	0.002	5	Pass	
Cadmium	Extractable mg/L	<0.00001	0.00001	0.005	Pass	
Chromium	Extractable mg/L	0.0005	0.0005	0.05	Pass	
Copper	Extractable mg/L	<0.001	0.001	1	Acceptable	
Lead	Extractable mg/L	0.0001	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 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	6	2	500	Acceptable
Physical and Aggregate Properties						
Colour	Apparent, Potable	Colour units	<5	5	15	Acceptable
Turbidity		NTU	1.8	0.1	5	Acceptable
Temperature	As Received	°C	5	-		n/a
Routine Water						
pH			7.74	-	6.5 - 8.5	Acceptable
Sodium	Extractable	mg/L	10	0.4	200	Acceptable
Iron	Extractable	mg/L	0.1	0.03	0.3	Acceptable
Manganese	Extractable	mg/L	0.007	0.005	0.05	Acceptable
Chloride	Dissolved	mg/L	7.8	0.4	250	Acceptable
Fluoride		mg/L	<0.05	0.05	1.5	Pass
Nitrate - N		mg/L	0.08	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.



Analytical Report

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NWL Number 410330-1
Sample Date Sep 20, 2005 10:00:00PM
Sample Description Siskan Lane, Cortez Island / Well Head # 11310 - Lot # 10
Sample Matrix Water - General

Analyte	Units	Result	Detection Limit	Guideline Limit	Guideline Comments
Routine Water - Continued					
T-Alkalinity	as CaCO3	mg/L	57	5	250-650 Low
Total Dissolved Solids		mg/L	71	1	500 Acceptable
Hardness	as CaCO3	mg/L	45	-	Soft

Approved by: *Marie England*

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	23-Sep-05	Norwest Labs Edmonton
Alkalinity, pH, and EC in water	APHA	* Titration Method, 2320 B	23-Sep-05	Norwest Labs Edmonton
Anions (Routine) by Ion Chromatography	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	26-Sep-05	Norwest Labs Edmonton
Chloride in Water	APHA	* Automated Ferricyanide Method, 4500-Cl- E	26-Sep-05	Norwest Labs Edmonton
Colour (Apparent) in water	APHA	* Visual Comparison Method, 2120 B	23-Sep-05	Norwest Labs Edmonton
E. coli - Colilert	APHA	Enzyme Substrate Test, 9223 B	22-Sep-05	Norwest Labs Surrey
Heterotrophic (Standard) Plate Count (Aerobic SP) - Surrey	APHA	Heterotrophic Plate Count - Pour Plate Method, 9215 B	22-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	26-Sep-05	Norwest Labs Edmonton
Metals Trace (Extractable) in water	APHA	* Inductively Coupled Plasma (ICP) Method, 3120 B	23-Sep-05	Norwest Labs Edmonton
Total Coliforms- Colilert	APHA	Enzyme Substrate Test, 9223 B	22-Sep-05	Norwest Labs Surrey
Turbidity in Water	APHA	* Nephelometric Method, 2130 B	23-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:

Client called NWL to advise that the bacteria is past holding time, but to proceed with analysis.

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



BCGS MAP

WELL No.

ELEV

Location Accuracy

UTM

Z

E

UTM

Date 19

Well Type

Owners Name & Address: Renewal Land Company Suite 610-220 Carbie St. Vancouver, BC V6B 2M9

Descriptive Location: Lot 10 Well ID# 11310

1. TYPE OF WORK: 1 [X] New Well, 2 [] Reconditioned, 3 [] Deepened, 4 [] Abandoned

2. WORK METHOD: 1 [] Cable tool, 2 [] Bored, 3 [] Jetted, 4 [X] Rotary a [] mud, b [X] air, c [] reverse, [] Other

3. WATER WELL USE: 1 [X] Domestic, 2 [] Municipal, 3 [] Irrigation, 4 [] Comm. & Ind., [] Other

4. DRILLING ADDITIVES

5. MEASUREMENTS from 1 [X] ground level, 2 [] top of casing, casing height above ground level 3 ft.

Table with 4 columns: FROM ft, TO ft, 6. WELL LOG DESCRIPTION, SWL ft. Rows describe geological layers from 0 to 235 ft depth.

7. CONSULTANT Address

8. WELL LOCATION SKETCH

WATER QUALITY & QUANTITY NOT GUARANTEED BY THE CONTRACTOR

9. CASING: Materials 1 [X] Steel, 2 [] Galvanized, 3 [] Wood, 4 [] Plastic, 5 [] Concrete, [] Other

Table for casing specifications: Hole Diameter, Diameter, from, to, Thickness, Weight.

Pitless unit: 1 [] above, 2 [] below ground level. 1 [X] Welded, 2 [] Cemented, 3 [] Threaded. 1 [] New, 2 [] Used. Perforations:

Shoe (s): one six inch. Open hole, from to ft. Diameter in. Grout: Senseal

10. SCREEN: 1 [X] Nominal (Telescope), 2 [] Pipe Size. Type 1 [X] Continuous Slot, 2 [] Perforated, 3 [] Louvre, [] Other

Material 1 [X] Stainless Steel, 2 [] Plastic, [] Other. Set from 230'6" to 235'2" ft below ground level

Table for RISER, SCREEN & BLANKS: Length, Diam. ID, Slot Size, from, to.

Fittings, top K-packer, bottom blank. Gravel Pack

11. DEVELOPED BY: 1 [] Surging, 2 [] Jetting, 3 [] Air, 4 [] Bailing, 5 [] Pumping, [] Other

12. TEST 1 [] Pump, 2 [] Bail, 3 [] Air. Date, Rate USgpm, Temp C, SWL before test, Water Level ft after test of hrs

Table for drawdown and recovery data: mins, WL, mins, WL, mins, WL, mins, WL.

13. RECOMMENDED PUMP TYPE, RECOMMENDED PUMP SETTING, RECOMMENDED PUMPING RATE

14. WATER TYPE: 1 [X] fresh, 2 [] salty, 3 [X] clear, 4 [] cloudy. colour, smell, gas 1 [] yes, 2 [X] no

15. WATER ANALYSIS: 1 Hardness, 2 Iron, 3 Chloride, 4 pH. Field Date

SITE ID No, Lab Date approx

16. FINAL WELL COMPLETION DATA: Well Depth 235 ft, Well Yield 112 US gpm, Static Water Level 119 ft, Back filled Native material, Well Head Completion Surface Seal & weld on well cap.

17. DRILLER: PARKER, ROBERT

18. CONTRACTOR: RED WILLIAMS WELL DRILLING LTD

980 PRATT ROAD QUALICUM BEACH, BC