



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: Lot #7 - Well #11311
Name:
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 406994
Control Number:
Date Received: Sep 08, 2005
Date Reported: Sep 14, 2005
Report Number: 744305

Page: 1 of 1

Sample Description: Well Head / Sisken Lane Cortex Island / Lot #7 - Well #11311

The above mentioned water sample number **406994 - 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:

Bill Warning, B.Sc.
Lab Operations Manager

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	Cash Account	Box 180									
Web		Quathiaski Cove, BC V0P 1N0									
Email Notification		Phone: (250) 830-3744									
		Fax:									
		Email: thewaterguy@uniserve.com									
<table><tr><th><u>Copies</u></th><th><u>Delivery Strategy</u></th><th><u>Format</u></th></tr><tr><td>1</td><td>Post</td><td></td></tr><tr><td>1</td><td>Email - Single Report</td><td>PDF</td></tr></table>			<u>Copies</u>	<u>Delivery Strategy</u>	<u>Format</u>	1	Post		1	Email - Single Report	PDF
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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:

Sample Notes:

Batch Notes:

Method Notes:

Method Result Notes:

Reports associated with this Lot

Id/Format/Reported Date

744305 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 Lot ID: 406994
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Page: 1 of 3

NWL Number	406994-1
Sample Date	Sep 07, 2005 3:30:00PM
Sample Description	Well Head / Sisken Lane Cortex Island / Lot #7 - Well #11311
Sample Matrix	Water - General

Analyte	Units	Result	Detection Limit	Guideline Limit	Guideline Comments
Metals Extractable					
Aluminum	Extractable mg/L	0.068	0.005	0.1	Acceptable
Antimony	Extractable mg/L	<0.0002	0.0002	0.006	Pass
Arsenic	Extractable mg/L	0.0005	0.0002	0.025	Pass
Barium	Extractable mg/L	0.005	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	0.0009	0.0005	0.05	Pass
Copper	Extractable mg/L	0.002	0.001	1	Acceptable
Lead	Extractable mg/L	0.0006	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	18	5	15	Above Aesthetic
Turbidity	NTU	8.0	0.1	5	Above Aesthetic
Temperature	As Received °C	6.0	-		n/a
Routine Water					
pH		7.45	-	6.5 - 8.5	Acceptable
Sodium	Extractable mg/L	9.9	0.4	200	Acceptable
Iron	Extractable mg/L	1.04	0.03	0.3	Above Aesthetic
Manganese	Extractable mg/L	0.026	0.005	0.05	Acceptable
Chloride	Dissolved mg/L	9.7	0.4	250	Acceptable
Fluoride	mg/L	0.06	0.05	1.5	Pass
Nitrate - N	mg/L	0.04	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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NWL Number	406994-1
Sample Date	Sep 07, 2005 3:30:00PM
Sample Description	Well Head / Sisken Lane Cortex Island / Lot #7 - Well #11311
Sample Matrix	Water - General

Analyte	Units	Result	Detection Limit	Guideline Limit	Guideline Comments
Routine Water - Continued					
T-Alkalinity	as CaCO ₃	mg/L 41	5	250-650	Low
Total Dissolved Solids	mg/L	59	1	500	Acceptable
Hardness	as CaCO ₃	mg/L 32	-		Soft

Approved by:

Bill Warning, B.Sc.
Lab Operations Manager

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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	12-Sep-05	Norwest Labs Edmonton
Alkalinity, pH, and EC in water	APHA	* Titration Method, 2320 B	12-Sep-05	Norwest Labs Edmonton
Anions (Routine) by Ion Chromatography	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	13-Sep-05	Norwest Labs Edmonton
Chloride in Water	APHA	* Automated Ferricyanide Method, 4500-Cl- E	13-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	8-Sep-05	Norwest Labs Surrey
Heterotrophic (Standard) Plate Count (Aerobic SP) - Surrey	APHA	Heterotrophic Plate Count - Pour Plate Method, 9215 B	8-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	13-Sep-05	Norwest Labs Edmonton
Metals Trace (Extractable) in water	APHA	* Inductively Coupled Plasma (ICP) Method, 3120 B	13-Sep-05	Norwest Labs Edmonton
Total Coliforms- Colilert	APHA	Enzyme Substrate Test, 9223 B	8-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

The test report shall not be reproduced except in full, without the written approval of the laboratory



BRITISH COLUMBIA

BC Environment

Water Management Branch, Groundwater Section

WATER WELL RECORD

Date 05/07/06

B C G S MAP

WELL No.

ELEV

Location Accuracy

UTM Z E N

Date 19 Well Type

Owners Name & Address Renewal Land Company Suite 610-220 Cambie St
Legal Description & Address Vancouver, BC V6B 3M6

Descriptive Location Lot #7 Well ID #11311

1. TYPE OF WORK 1 New Well 2 Reconditioned 3 Deepened 4 Abandoned

2. WORK METHOD 1 Cable tool 2 Bored 3 Jetted 4 Rotary a mud b air c reverse Other

3. WATER WELL USE 1 Domestic 2 Municipal 3 Irrigation 4 Comm. & Ind. Other

4. DRILLING ADDITIVES

5. MEASUREMENTS from 1 ground level 2 top of casing casing height above ground level +2 ft.

FROM ft	TO ft	6. WELL LOG DESCRIPTION	SWL ft
0	1	Brown cobbly silt	
1	64	Grey silty fill (cobbles)	
64	68	Tan medium grained sand & gravel	
68	71	Tan coarse grained sand	
71	83	Tan medium grained sand & gravel	
83	87	Grey silty fill (gravelly)	
87	96	Tan coarse to medium grained sand & gravel	
96	105	Tan medium grained sand (stone)	
105	111	Grey silty fine grained sand	
111	115	Tan medium grained silty sand	
115	151	Grey fine grained silty sand (tight)	
151	210	Tan medium grained sand	
210	245	Water bearing grey medium grained sand	
245	250	Tight grey fine grained silty sand	
WATER QUALITY & QUANTITY NOT GUARANTEED BY THE CONTRACTOR			

7. CONSULTANT Address

8. WELL LOCATION SKETCH

POSTED

SITE ID No

16. FINAL WELL COMPLETION DATA

Well Depth 1250 ft Well Yield 110 US gpm
Static Water Level 208 ft Artesian Flow US gpm Pressure Head ft
Back filled Native material
Well Head Completion Surface seal & well cap.

17. DRILLER PARKER ROBERT

Signature

18. CONTRACTOR, RED WILLIAMS WELL DRILLING LTD

Address

980 PRATT ROAD

QUALICUM BEACH, BC

Member, B C G W A

Yes

End

VOK 1W5