

Certificate of Potability

Norwest Labs #104, 19575-55 A Ave. Surrey, BC. V3S 8P8

Phone:

(604) 514-3322

(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

and England

Consulting Scientist

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	Cash Account	Box 180 Quathiaski Cove, BC V0P 1N0	
Email Notification		Phone: (250) 830-3744 Fax:	
Copies Delivery Strategy Format 1 Post 1 Email - Single Report PDF		Email: thewaterguy@uniserve.com	

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
745015 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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ID: Well Head - # 11339 - # 19

Name:

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LSD: P.O.:

Acct. Code:

NWL Lot ID: 407324

Control Number:

Sep 09, 2005 Date Received: Sep 15, 2005 Date Reported:

Report Number: 745015

Page: 1 of 3 407324-1

NWL Number

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 Anal	ysis					
Total Coliforms	Enzyme Substrate To	estMPN/100 mL	<1.0	1	<1	Pass
Escherichia coli	Enzyme Substrate Te	estMPN/100 mL	<1	1	<1	Pass
Heterotrophic Count -	SimPlate	MPN/mL	>738	2	500	Above Aesthetic
Aerobic						
Physical and Aggreg						
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						
рН			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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ID: Well Head - # 11339 - # 19

Name:

Location: Sisken Lane Cortez Island

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NWL Lot ID: 407324

Control Number:

Date Received: Sep 09, 2005

Date Reported: Sep 15, 2005

Report Number: 745015

Page: 2 of 3

NWL Number

Sample Date

407324-1

Sep 08, 2005 7:00:00AM

Sample Description Sisken Lane Cor

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	3	mg/L	60	1	500	Acceptable
Hardness	as CaCO3	mg/L	37	-		Soft

Approved by:

Marie England
Consulting Scientist

Parei England



Methodology and Notes

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Page: 3 of 3

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Method of Analysis:

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	АРНА	*	Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	14-Sep-05	Norwest Labs Edmonton
Chloride in Water	АРНА	*	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	АРНА		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	АРНА	*	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:

**** VLUIVIUI WAILK WE	ELL KECUKU Dote ENDE PROTESTI
BCGSMAP WELL No.	Location Location Accuracy N Well Type
Owners Name 8 Address Ranowal Land Compan	and the configuration of the second contract
Legal Description & Address	1' Vancourer BC V63 DM
Descriptive Location LOF 19	Well 1 D# 11336
I. TYPE 1 New Well 2 Reconditioned OF WORK 3 Deepened 4 Abandoned	9. CASING: 1 XI Steel 2 □ Galvanized 3 □ Wood Materials 4 □ Plastic 5 □ Concrete □ Other □ □
2. WORK PROCESSE CONTROL OF CONT	Digneter Diameter
3. WATER 1 ☒ Domestic 2 ☐ Municipal 3 ☐ Irrigation WELL USE4 ☐ Comm. & Ind. ☐ Other	from + 3 10
4. DRILLING ADDITIVES	Thickness \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
5. MEASUREMENTS from 1 🎘 ground level 2 🗆 top of casing casing height above ground level 2 ft.	Pitless unitft 1 □ above 2 □ below ground level 1% Welded 2 □ Cemented 3 □ Threaded 1 □ New 2 □ U
o 77 Grey Silty Vill, Cobbley	Perforations:
7783 Medium Grain Sand,	Shoe (s): One SIX uncl Open hole, from to ft Diameter Grout: Blaceal Clud
83 101 Silty (inequired sand	IO. SCREEN: 1 Nominal (Telescope) 2 Pipe Size
101 115 Medurigalied brown Sand.	Type 1 & Continuous Slot 2 Perforated 3 Louv
115 174 Fine grained Sillip	Material 1 🖒 Stainless Steel 2 □ Plastic □ Other Set from 250 ちょうち ft below ground level
74 228 Medien grained brown.	RISER, SCREEN & BLANKS U
228 232 Modern grand gray	Diam. D \$
Stoney sand.	Slot Size CH
232225 Fine grained water	10 255
bearing Stoney Sand	Fittings, top K-facker bottom blank
\$45 250 Grey Silt & fire grained	Gravel Pack
250 255 Water bearing grey	II. DEVELOPED BY: 1 ☐ Surging 2 ☐ Jetting 3 ☐ A 4 ☐ Bailing 5 ☐ Pumping ☐ Other
modern grand Sand	I2. TEST 1 Dump 2 Bail 3 Ll Air Date
0	Rate USgpm Temp °C SWL before test
	Water Levelft ofter test ofhrs
	DRAWDOWN in ft
AVATED OLIVA TO POLIVA NITITY	
WATER QUALITY & QUANTITY NOT GUARANTEED BY	RECOMMENDED PUMP TYPE RECOMMENDED PUMP SETTING RECOMMENDED PUMP IN THE RECOMMENDED PUMP SETTING RECOMMENDED PUMP IN THE RECOMMEND PU
THE CONTRACTOR	13.
THE GOTTING TO	I4.WATER TYPE:1 X fresh 2 □solty 3 X clear 4 □cle
	colour; gas 1 □ yes 2 ×
7. CONSULTANT	15. WATER ANALYSIS: 1 Hardness ng/L 3 Chloride ng/L ng/L 3 Chloride
Address	2 Iron
8. WELL LOCATION SKETCH SIT	E I D No Lab Date L J L
	WELL COMPLETION DATA
	h 25 ft Well Yield Usgpm
Static Wa	ter Level Q Q ft Artesian US gpm Pressure US gpm Head US gpm US gpm Head US gpm US gp
Back fille	o Nature material/Berseal Clay
Well Head	completion Surface Seal 9 weld on
(x)-e100	Cap
17 0011 5	RWILLIAMS THOMAS
11: UTILLE PLEASE PRINT	
	Signatur RED-WILLIAMS-WELL DRILLING-LT
18. CONTRA Address	980 PRATT ROAD
	QUALICUM BEACH, BC
	per, B C G W A Žiyes □no ; V9K 1W5
The Province of British Columbia accepts no r	esponsibilly for the contents or accuracy of this record.