

Certificate of Potability

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

Phone: (604) 514-3322 (604) 514-3323 Fax:

Bill to: Discovery Islands Water Quality

Services

Report to: Discovery Islands Water Quality

Services Box 180

Ouathiaski Cove, BC, Canada

V0P 1N0

Attn: Paul Flemming

Sampled By: Company: Project

ID: Well Head # 11337 Lot 12

Name:

Location: Siskan Lane, Cortez Island

LSD:

P.O.:

Acct. Code:

NWL Lot ID: 410337

Control Number:

Date Received: Sep 22, 2005

Date Reported: Sep 26, 2005

Report Number: 751005

Page: 1 of 1

Sample Description: Siskan Lane, Cortez Island / Well Head # 11337 - Lot # 12

The above mentioned water sample number 410337 - 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:

Marie England Consulting Scientist

Jarei England

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.



Analytical Report

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

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Page: 1 of 3

NWL Number

410337-1

Sample Date

Sep 21, 2005 12:30:00PM

Sample Description

Siskan Lane, Cortez Island / Well Head # 11337 -

Lot # 12

Sample Matrix Water - General

Analyte		Units	Result	Detection Limit	Guideline Limit	Guideline Comments
Metals Extractable						
Aluminum	Extractable	mg/L	0.011	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	0.005	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	0.020	0.001	5	Acceptable
Microbiological Anal	ysis	-				•
Total Coliforms	Enzyme Substrate Te	estMPN/100 mL	<1.0	1	<1	Pass
Escherichia coli	Enzyme Substrate TestMPN/100 mL		<1	1	<1	Pass
Heterotrophic Count - Aerobic	SimPlate	MPN/mL	6	2	500	Acceptable
Physical and Aggreg	into Proportios					
Colour	Apparent, Potable	Colour units	18	5	15	Above Aesthetic
Turbidity	Apparent, Fotable	NTU	10.9	0.1	5	Above Aesthetic
Temperature	As Received	°C	5	0.1	ວ	n/a
Routine Water	As Neceived	C	5	_		II/a
pH			7.75		6.5 - 8.5	Acceptable
Sodium	Extractable	mg/L	8.4	0.4	200	Acceptable
Iron	Extractable	mg/L	0.53	0.4	0.3	Above Aesthetic
Manganese	Extractable	mg/L	0.013	0.03	0.05	Acceptable
Chloride	Dissolved	-	7.7	0.005	250	Acceptable
Fluoride	DISSUIVEU	mg/L	/./ <0.05	0.4	1.5	Pass
Nitrate - N		mg/L				Pass Pass
Nitrate - N		mg/L	0.04	0.01	10	Pass Pass
Sulfate (SO4)		mg/L mg/L	<0.005 1	0.005 0.9	1 500	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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Page: 2 of 3

NWL Number

Sample Date

410337-1

Sep 21, 2005 12:30:00PM

Sample Description

Siskan Lane, Cortez Island / Well Head # 11337 -

Lot # 12

Water - General Sample Matrix

Analyte		Units	Result	Detection Limit	Guideline Limit	Guideline Comments
Routine Water - C	ontinued					
T-Alkalinity	as CaCO3	mg/L	41	5	250-650	Low
Total Dissolved Solid	ds	mg/L	54	1	500	Acceptable
Hardness	as CaCO3	mg/L	30	-		Soft

Approved by:

Marie England Consulting Scientist

Parei England

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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	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	APHA	Ion Chromatography with Chemical	26-Sep-05	Norwest Labs Edmonton
Chromatography		Suppression of Eluent Cond., 4110 B		
Chloride in Water	APHA	Automated Ferricyanide Method,	26-Sep-05	Norwest Labs Edmonton
		4500-Cl- E		
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	APHA	Heterotrophic Plate Count - Pour Plate	22-Sep-05	Norwest Labs Surrey
Count (Aerobic SP) - Surrey		Method, 9215 B		
Metals ICP-MS (Extractable) in	US EPA	Determination of Trace Elements in	26-Sep-05	Norwest Labs Edmonton
water		Waters and Wastes by ICP-MS, 200.8		
Metals Trace (Extractable) in water	APHA	Inductively Coupled Plasma (ICP)	23-Sep-05	Norwest Labs Edmonton
		Method, 3120 B		
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:

**** UULUIVIDIA	WATER	WELL	RECORD	Date 050823.
BCGSMAP L L L L L L L L L L L L L L L L L L L		L No. L	ELEV L W	Location Accuracy
Owners Name & Address Colowal Line Legal Description & Address	nd Com	pany	Suité 610 - 5	Dan Parkie St Vancou
Descriptive Location Lot 12				Well ID# 11317.
OF WORK 3 Deepened 4	□ Reconditione □ Abandoned	J. C	ASING: 1 Ø SI	teel 2 Galvanized 3 Wood
2. WORK 1 □ Coble tool 2 □ Bored METHOD 4 □ Rotary a □ mud b¾ □ Other	3 [] Jetted] air c [] rever	se Did	ole meter	ther units
3. WATER 1 ☑ Domestic 2 ☐ Municip WELL USE4 ☐ Comm. & Ind. ☐ Oth			om + 3	ins ft
4. DRILLING ADDITIVES 5. MEASUREMENTS from 1 ground leve	1 2 1 top of cas	Wei		ins , lb/ft
rasing height above ground level		W LAN T	elded 2 [] Cornented	□ above 2 □ below ground level 3 □ Threaded 1 □ New 2 □ Used
525 Damp Cory	21-	Shoe (s): <u>Cros Sik t</u>	toft_Digmeter
75 80 Charlelly Great 5	icelly [1]	Grout	: Berseal of	toft Diameterin:
50 100 may fire grained	_sand		/pe 1 */ Continuous S	() (Telescope) 2 Pipe Size Slot 2 Perforated 3 Louvre
154 170 Brown Medica Clar		Me Se		eel 2 Plostic Other
To Dio Green Silty mode	Hi Grains	3101	ID Size Oft	EEN & BLANKS units ft ins
DIG 256 Tight grey Sill 256 280 Crey fine grain 260 280 Water Hearing m	. 0 = - 10	to	m 370 4, _379 5 tings, top 5-1-0	chal bottom blank
Graned to coars	e graine	II. DE	VELOPED BY: 1 [JSurging 2 □ Jetting 3 Γl∆ir
\$		12. TE	ST 1 □ Pump 2 □ Bai	Pumping Other 1 3 [] Air Date
*		vvai	er Level ft after DRAWDOWN in ft	test ofhrs
WATER QUALITY & QUA	ANTITY		The final way	/L mins WL mins WL
NOT GUARANTEED THE CONTRACTO	BY	13. RECON	MENDED PUMP TYPE RECO	DMMENDED PUMP SETTING RECOMMENDED PUMPING RATE
		I4.WA7	ER TYPE: 1 Sifres	h 2 salty 3 Kiclear 4 cloudy ; gas 1 yes 2 Kino
7. CONSULTANT		15. WA7	ER ANALYSIS:	1 Hardness mg/L 3 Chloride mg/L
B.WELL LOCATION SKETCH	S	4 p	H	Field Date Lab Date L
	16. FINAL	WELL CO	MPLETION DATA	uppox.
	Static V Back fil	Water Level	19 le st Artesian L	US gpm Pressure I Ift
·	Well He	ad Completion	Durface	Seal quell cap.
	17. DRILL	ER PARK	SURNAME	. ROBERT NAME
	18. CONTR	Signatur n ACTOR,	ED-WILLIAMS	WELL DRILLING LTD
	Address			RATT ROAD
		nber, B C G W A	Alyes Uno ;	JM BEACH, BC 9K1W5
The Province	e of British Columbia accepts no	responsibility for the conte	als or accuracy of this record	LIVI