

Surrey Edmonton Calgary Lethbridge Winnipeg Ph (604) 514-3322 Ph (780) 438-5522 Ph (403) 291-2022 Ph (403) 329-9266 Ph (204) 982-8630 FAX (604) 514-3323 FAX (780) 438-0396 FAX (403) 291-2021 FAX (403) 327-8527 FAX (204) 275-6019

Lot Number: 407320 & 410755

Date Issued: 26-Sep-05

Sample Id: Well Head Sisken Lane Cortez Island – Lot #14 Well #11315

The above mentioned water sample number <u>407320-1 & 410755-1</u> supplied by <u>Discovery Islands Water Quality Services</u> meets the chemical and bacteriological requirements specified by the Oct. 10th, 2004 Guidelines for Canadian Drinking Water Quality (6th ed.) for the constituents tested.

Reviewed by:

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Bill Warning BS¢ **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.



Analytical Report

Norwest Labs #104, 19575-55 A Ave. Surrey, BC. V3S 8P8 Phone: (604) 514-3322 Fax: (604) 514-3323

Project		NWL Lot ID:	410755
ID:		Control Number:	
Name:	Well Head Sisken Lane Cortez Island	Date Received:	Sep 23, 2005
Location:	Lot # 14 Well # 11315		
L CD-		Date Reported:	Sep 26, 2005
LOD.		Report Number:	751720
P.O.;			
Acct Code:			
	ID: Name: Location: LSD: P.O.;	ID: Name: Well Head Sisken Lane Cortez Island Location: Lot # 14 Well # 11315 LSD:	ID: Name: Well Head Sisken Lane Cortez Island Location: Lot # 14 Well # 11315 Control Number: LSD: P.O.: Control Number: Date Received: Report Number: Report Number:

Company:

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company.					P	age: 1 of 2
		NWL 1	lumber	410755-1		
		Sampl	e Date	Sep 22, 200	5 4:30:00PM	
		20040	e Description e Matrix		isken Lane Corte 5	ez Island / Lot # 14
Analyte		Units	Result	Detection Limit	Guideline Limit	Guideline Comments
Microbiological Anal	ysis					
Total Coliforms		e TestMPN/100 mL	<1.0	1	<1	Pass
Escherichia coli	Enzyme Substrate	e TestMPN/100 mL	<1	1	<1	Pass
Heterotrophic Count - Aerobic	SimPlate	MPN/mL	<2	2	500	Acceptable
Physical and Aggreg	ate Properties					
Temperature	As Received	°C	5	(1)		n/a

Approved by:

Paren Ongland 7

Marie England Consulting Scientist

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 ontens are current, scientifically valid, appropriate and sufficient for the user of the data.



Report Transmission Cover Page

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	Project		NWL Lot ID:	407320
Services Report to: Discovery Islands Water Quality Services Box 180 Quathiaski Cove, BC, Canada V0P 1N0 Attn: Paul Flemming Sampled By:	ID: Name: Location: LSD: P.O.: Acct. Code:	Well Head # 11315 - Lot # 14 Sisken Lane Cortez Island	Control Number: Date Received: Date Reported: Report Number:	
Company:				

Contact	Company	Address
Paul Flemming	Cash Account	Box 180
Web		Quathiaski Cove, BC V0P 1N0
Email Notification		Phone: (250) 830-3744 Fax:
Copies Delivery St	rategy Format	Email: thewaterguy@uniserve.com
1 Post		
1 Email - Sing	gle 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 744982 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

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	Project		NWL Lot ID:	407320
Services Report to: Discovery Islands Water Quality Services Box 180 Quathiaski Cove, BC, Canada V0P 1N0 Attn: Paul Flemming	ID: Name: Location: LSD: P.O.: Acct. Code:	Well Head # 11315 - Lot # 14 Sisken Lane Cortez Island	Control Number: Date Received: Date Reported: Report Number:	Sep 09, 2005 Sep 14, 2005 744982
Sampled By: Company:				

Company.					Pag	e: 1 of 3
		NW	/L Number	407320-1		
			mple Date mple Description	Sep 08, 2005 Sisken Lane (Lot <i>#</i> 14		ell Head # 11315 -
		Sar	mple Matrix	Water - Gene	ral	
Analyte		Units	Result	Detection Limit	Guideline Limit	Guideline Comments
Metals Extractable						
Aluminum	Extractable	mg/L	0.028	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	0.003	0.001	1	Pass
Boron	Extractable	mg/L	0.014	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	0.0003	0.0001	0.01	Pass
Uranium	Extractable	mg/L	<0.0005	0.0005	0.02	Pass
Zinc	Extractable	mg/L	0.016	0.001	5	Acceptable
Microbiological Analy	ysis					
Total Coliforms	Enzyme Substrate To	estMPN/100 mL	2.0	1	<1	Fail
Escherichia coli	Enzyme Substrate To	estMPN/100 mL	<1	1	<1	Pass
Heterotrophic Count -	SimPlate	MPN/mL	>738	2	500	Above Aesthetic
Aerobic						
Physical and Aggreg	ate Properties					
Colour	Apparent, Potable	Colour units	23	5	15	Above Aesthetic
Turbidity		NTU	8.4	0.1	5	Above Asethetic
Temperature	As Received	°C	5.0	-		n/a
Routine Water						
pН			7.59	-	6.5 - 8.5	Acceptable
Sodium	Extractable	mg/L	8.2	0.4	200	Acceptable
Iron	Extractable	mg/L	0.57	0.03	0.3	Above Aesthetic
Manganese	Extractable	mg/L	0.035	0.005	0.05	Acceptable
Chloride	Dissolved	mg/L	7.7	0.4	250	Acceptable
Fluoride		mg/L	<0.05	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	1	0.9	500	Acceptable

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Analytical Report

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	Project		NWL Lot ID:	407320
Services Report to: Discovery Islands Water Quality Services Box 180 Quathiaski Cove, BC, Canada VOP 1N0 Attn: Paul Flemming Sampled By:	ID: Name: Location: LSD: P.O.: Acct. Code:	Well Head # 11315 - Lot # 14 Sisken Lane Cortez Island	Control Number: Date Received: Date Reported: Report Number:	Sep 09, 2005 Sep 14, 2005 744982
Company:			Page:	2 of 3

		NWL Number Sample Date Sample Description Sample Matrix		407320-1 Sep 08, 2005 11:30:00AM Sisken Lane Cortez Island / Well Head # 113 Lot # 14 Water - General			
Analyte		Units	Result	Detection Limit	Guideline Limit	Guideline Comments	
Routine Water -	Continued						
T-Alkalinity	as CaCO3	mg/L	42	5	250-650	Low	
Total Dissolved So	olids	mg/L	54	1	500	Acceptable	
Hardness	as CaCO3	mg/L	30	-		Soft	

Approved by:

William Warning

Bill Warning, B.Sc. Lab Operations Manager

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Methodology and Notes

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	Project		NWL Lot ID:	407320
Services	ID:	Well Head # 11315 - Lot # 14	Control Number:	
Report to: Discovery Islands Water Quality Services	Name:		Date Received:	Sep 09, 2005
Box 180	Location:	Sisken Lane Cortez Island	Date Reported:	Sep 14, 2005
Quathiaski Cove, BC, Canada	LSD:		Report Number:	744982
VOP 1N0 Attn: Paul Flemming	P.O.:			
Sampled By:	Acct. Code:			
Company:				

Method of Analysis:

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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	APHA	*	Ion Chromatography with Chemical	14-Sep-05	Norwest Labs Edmonton
Chromatography			Suppression of Eluent Cond., 4110 B		
Chloride in Water	APHA	*	Automated Ferricyanide Method,	14-Sep-05	Norwest Labs Edmonton
			4500-Cl- E		
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	APHA		Heterotrophic Plate Count - Pour Plate	9-Sep-05	Norwest Labs Surrey
Count (Aerobic SP) - Surrey			Method, 9215 B		
Metals ICP-MS (Extractable) in	US EPA	*	Determination of Trace Elements in	14-Sep-05	Norwest Labs Edmonton
water			Waters and Wastes by ICP-MS, 200.8		
Metals Trace (Extractable) in water	APHA	*	Inductively Coupled Plasma (ICP)	13-Sep-05	Norwest Labs Edmonton
			Method, 3120 B		
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 met	ho	d(s) is based on reference method		

References:

APHA US EPA Standard Methods for the Examination of Water and Wastewater 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

		OLUMBIA N	WATER W	ELL RECORD Dote DIS107 R
BCC	G S MAP		WELL NO.	
ЧГ	Z	Ε		N Date 19 Yell
Owne	ers Name	& Address Renewal La	nd Company	4, Suite 610-220 Cumple St.
		tion & Address		Vancornier, BC NGB 2MG
esc	riptive L	ocation Lot 14		LD#11315
-	YPE	1 New Well 2		9. CASING: 1 Disteel 2 Galvanized 3 Woo
Oł	- WOR	✓ 3 □ Deepened 4		Materials 4 🗋 Plastic 5 🗋 Concrete
	ORK	1 □ Cable tool 2 □ Bored 4 🗶 Rotary a □ mud b 🗶	3 [] Jetted Nair 9 [] reverse	Hole Diameter
	ETHOD	Other		Diameter 6
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				— Weight
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		Sand Stoney	1	Type 1 Continuous Slot 2 Profession 3 Lo
10	2/11-19	Grey meduer by	pained	Other
		Silty sand	7	Material 1 D Stainless Steel, 2, D Plastic Other Set from 2856 to 2936 ft below ground level
4-0	175	Grey fine graine	d Silly	
ک ر	5 88	Jas medium Ono		Length 7
<u></u>		Silly Sand, Sto		Diam. ID S
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0.	SD29	Unew Line Gray	ned	- Fittings, top K-packer bottom blank
		Silly Sand.	· · · · · · · · · · · · · · · · · · ·	Gravel Pack
ž	1 291	Tan medium	grained	- II. DEVELOPED. BY: 1 🗆 Surging 2 🗆 Jetting 3 🗇
71	300	Silty Sand Water bearing		4 🗋 Bailing 5 🗋 Pumping 📋 Other
ئـنـ		Sand.	-yright-	- I2. TEST 1 Dump 2 Bail 3 DAir Date I
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-1078 1078				mins WL mins WL mins WL mins
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		NOT GUARANTEEL THE CONTRACT		13
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Ç(DNSULT		DR	I3. 13. 14. WATER TYPE: 1 S fresh 2 Salty 3 Clear 4 Solution I4. WATER TYPE: 1 S fresh 2 Salty 3 Clear 4 Solution 10 yes 2 Smell; gas 1 S water ANALYSIS: 1 Hardness
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Åd	dress	THE CONTRACTO	DR	13. If 14. WATER TYPE: 1) G fresh 2 []salty 3 Y Clear 4 [] colour
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Äd	dress	THE CONTRACTO	DR SIT I6. FINAL Well Dept Static Wa Back fille Well Head Cm C	13. (1) 14. WATER TYPE: 1) (1) fresh 2 [solty 3] (1) (clear 4] colour
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Âd	dress	THE CONTRACTO	DR SIT 16. FINAL Well Dept Static Wa Back fille Well Head Cm C I7: DRILLE PLEASE PRINT 18. CONTRA Address	13. 11 14. WATER TYPE: 1 Stresh 2 solity 3 Stelear 4 solity 4 solity 3 Stelear 4 solity 4 solity 4 solity 5 Stelear 4 solity 4