

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: 406993 & 410772

Date Issued: 26-Sep-05

Sample Id: Well Head Sisken Lane Cortez Island - Lot #5 Well #11303

The above mentioned water sample number <u>406993-1 & 410772-1</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:

Bill Warning BSc 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

Bill to: Discovery Islands Water Quality

Services

Report to: Discovery Islands Water Quality

Services Box 180

Quathiaski Cove, BC, Canada

VOP IND

Attn. Paul Flemming

Sampled By: Company: Project

Name:

P.O.:

ID:

Well Head Sisken Lane Cortez Island

Location: Lot # 5 Well # 11303

LSD:

Acct. Code:

NWL Lot ID: 410772

Cantral Number:

Date Received: Scp 23, 2005

Date Reported: Sep 26, 2005

Report Number: 751743

Page: 1 of 2

NWL Number

Sample Date

Sample Description

410772-1

Sep 22, 2005 4:45:00PM

Well Head Sisken Lane Cortez Island / Lot #5 Well

#11303

Sample Matrix Water - General

Analyte		Units	Result	Detection Limit	Guideline Limit	Guldeline Comments
Microbiological Anal	lysis	100 A 200 A 200 B 24 A 200 B 24 A 200 B 2	ements and	1500-5		
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	8	2	500	Acceptable
Physical and Aggreg	gate Properties					
Temperature	As Received	*C	5	-		n/a

Approved by:

Marie England Consulting Scientist

Please Note: Related regulatory criteria are provided as a service to clients. Norwest Late' responsibility is limited to analytical data. We are not responsible for ensuring that tisted criteria 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

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Services

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Services Box 180

Quathiaski Cove, BC, Canada

V0P 1N0

Attn: Paul Flemming

Sampled By: Company:

Project

ID: Lot #5 - Well # 11303

Name: Location:

LSD: P.O.:

Acct. Code:

NWL Lot ID: 406993

Control Number:

Date Received: Sep 08, 2005 Sep 14, 2005 Date Reported:

Report Number: 744279

Contact	Company	Address
Paul Flemming Web	Cash Account	Box 180 Quathiaski Cove, BC V0P 1N0
Email Notification		Phone: (250) 830-3744 Fax:
Copies Delivery Str 1 Post	rategy Format	Email: thewaterguy@uniserve.com
1 Email - Sing	ele 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 744279 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

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 #5 - Well # 11303

Name: Location: LSD:

P.O.:

Acct. Code:

NWL Lot ID:

406993

Control Number:

Sep 08, 2005 Date Received: Sep 14, 2005 Date Reported:

Report Number: 744279

Page: 1 of 3

NWL Number

406993-1 Sample Date Sep 07, 2005 4:50:00PM

Sample Description

Well Head / Sisken Lane, Cortex Island / Lot #5 -

Well #11303

Sample Matrix Water - General

Analyte		Units	Result	Detection Limit	Guideline Limit	Guideline Comments
Metals Extractable						
Aluminum	Extractable	mg/L	0.018	0.005	0.1	Acceptable
Antimony	Extractable	mg/L	<0.0002	0.0002	0.006	Pass
Arsenic	Extractable	mg/L	0.0006	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	0.0011	0.0005	0.05	Pass
Copper	Extractable	mg/L	0.002	0.001	1	Acceptable
Lead	Extractable	mg/L	0.0008	0.0001	0.01	Pass
Uranium	Extractable	mg/L	<0.0005	0.0005	0.02	Pass
Zinc	Extractable	mg/L	0.003	0.001	5	Acceptable
Microbiological Anal	ysis					
Total Coliforms	Enzyme Substrate Te	estMPN/100 mL	1.0	1	<1	Fail
Escherichia coli	Enzyme Substrate To	estMPN/100 mL	<1	1	<1	Pass
Heterotrophic Count - Aerobic	SimPlate	MPN/mL	71	2	500	Acceptable
Physical and Aggreg	ate Properties					
Colour	Apparent, Potable	Colour units	43	5	15	Above Aesthetic
Turbidity	,	NTU	19.1	0.1	5	Above Asethetic
Temperature	As Received	°C	6.0	_		n/a
Routine Water						
pН			7.50	_	6.5 - 8.5	Acceptable
Sodium	Extractable	mg/L	9.9	0.4	200	Acceptable
Iron	Extractable	mg/L	1.81	0.03	0.3	Above Aesthetic
Manganese	Extractable	mg/L	0.039	0.005	0.05	Acceptable
Chloride	Dissolved	mg/L	8.1	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

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Analytical Report

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

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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 #5 - Well # 11303

Name: Location: LSD:

P.O.:

Acct. Code:

NWL Lot ID: 406993

Control Number:

Sep 08, 2005 Date Received: Date Reported: Sep 14, 2005

Report Number: 744279

Page: 2 of 3

NWL Number

Sample Date

Sep 07, 2005 4:50:00PM

Sample Description

Well Head / Sisken Lane, Cortex Island / Lot #5 -

Well #11303

406993-1

Sample Matrix Water - General

Analyte		Units	Result	Detection Limit	Guideline Limit	Guideline Comments
Routine Water - Continued						
T-Alkalinity	as CaCO3	mg/L	51	5	250-650	Low
Total Dissolved Solids		mg/L	67	1	500	Acceptable
Hardness	as CaCO3	mg/L	44	-		Soft

Bill Warning, B.Sc.

Lab Operations Manager

C William Warning



Methodology and Notes

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Name: Location: LSD:

P.O.:

Acct. Code:

NWL Lot ID: 406993

Control Number:

Date Received: Sep 08, 2005

Date Reported: Sep 14, 2005

Report Number: 744279

Page: 3 of 3

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Method	vı	Alla	ıvəiə.
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motriod 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	APHA	Ion Chromatography with Chemical	13-Sep-05	Norwest Labs Edmonton	
Chromatography		Suppression of Eluent Cond., 4110 B			
Chloride in Water	APHA	Automated Ferricyanide Method,	13-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	8-Sep-05	Norwest Labs Surrey	
Heterotrophic (Standard) Plate	APHA	Heterotrophic Plate Count - Pour Plate	8-Sep-05	Norwest Labs Surrey	
Count (Aerobic SP) - Surrey		Method, 9215 B			
Metals ICP-MS (Extractable) in	US EPA	Determination of Trace Elements in	13-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	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:

BC Environment

WATER WELL

Water Management Branch, Groundwater Section

RECORD Date 10,510,511,3

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Descriptive Location <u>Lot #5</u>			Well	ID AII	<u> 303</u>
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