



Surrey	Ph (604) 514-3322	FAX (604) 514-3323
Edmonton	Ph (780) 438-5522	FAX (780) 438-0396
Calgary	Ph (403) 291-2022	FAX (403) 291-2021
Lethbridge	Ph (403) 329-9266	FAX (403) 327-8527
Winnipeg	Ph (204) 982-8630	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 **406993-1 & 410772-1** supplied by **Discovery Islands Water Quality Services** 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.



**NORWEST
LABS**

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:
Name: Well Head Sisken Lane Cortez Island
Location: Lot # 5 Well # 11303
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 410772
Control Number:
Date Received: Sep 23, 2005
Date Reported: Sep 26, 2005
Report Number: 751743

Page: 1 of 2

NWL Number	410772-1
Sample Date	Sep 22, 2005 4:45:00PM
Sample Description	Well Head Sisken Lane Cortez Island / Lot # 5 Well # 11303
Sample Matrix	Water - General

Analyte		Units	Result	Detection Limit	Guideline Limit	Guideline Comments
Microbiological Analysis						
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	<1.0	1	<1	Pass
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1	1	<1	Pass
Heterotrophic Count - Aerobic	SimPlate	MPN/mL	8	2	500	Acceptable
Physical and Aggregate 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 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.



Report Transmission Cover Page

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Project
ID: Lot #5 - Well # 11303
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

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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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.



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NWL Lot ID: 406993
Control Number:
Date Received: Sep 08, 2005
Date Reported: Sep 14, 2005
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 Analysis						
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	1.0	1	<1	Fail
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1	1	<1	Pass
Heterotrophic Count - Aerobic	SimPlate	MPN/mL	71	2	500	Acceptable
Physical and Aggregate Properties						
Colour	Apparent, Potable	Colour units	43	5	15	Above Aesthetic
Turbidity		NTU	19.1	0.1	5	Above Aesthetic
Temperature	As Received	°C	6.0	-		n/a
Routine Water						
pH			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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NWL Lot ID: 406993
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Date Received: Sep 08, 2005
Date Reported: Sep 14, 2005
Report Number: 744279

Page: 2 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
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

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

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