



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: 410010

Date Issued: 27-Sep-05

Sample Id: Siskan Lane, Cortez Island – Well Head Lot #8 – Well #11340

The above mentioned water sample number **410010-1** 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.



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Lot Number: 410010

Date Issued: 27-Sep-05

Sample Id: Siskan Lane, Cortez Island – Well Head Lot #9 – Well #11338

The above mentioned water sample number **410010-2** 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

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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 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
Location: Siskan Lane, Cortez Island
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 410010
Control Number:
Date Received: Sep 21, 2005
Date Reported: Sep 26, 2005
Report Number: 750269

Contact	Company	Address									
Paul Flemming Web Email Notification	Cash Account	Box 180 Quathiaski Cove, BC V0P 1N0 Phone: (250) 830-3744 Email: thewaterguy@uniserve.com									
<table border="1"> <thead> <tr> <th>Copies</th> <th>Delivery Strategy</th> <th>Format</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Post</td> <td></td> </tr> <tr> <td>1</td> <td>Email - Single Report</td> <td>PDF</td> </tr> </tbody> </table>		Copies	Delivery Strategy	Format	1	Post		1	Email - Single Report	PDF	Fax:
Copies	Delivery Strategy	Format									
1	Post										
1	Email - Single 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
750269 Env Guide No Disp 26-Sep-05

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.

9/27/05 **750269** 27-Sep-2005



Analytical Report

Norwest Labs
 #104, 19575-55 A Ave.
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Report to: Discovery Islands Water Quality Services
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 V0P 1N0
 Attn: Paul Flemming
 Sampled By:
 Company:

Project ID:
Name: Well Head
Location: Siskan Lane, Cortez Island
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 410010
 Control Number:
 Date Received: Sep 21, 2005
 Date Reported: Sep 26, 2005
 Report Number: 750269

NWL Number 410010-1
 Sample Date Sep 20, 2005 3:00:00PM
 Sample Description Well Head Lot # 8 / Well # 11340
 Sample Matrix Water - General

Analyte	Units	Result	Detection Limit	Guideline Limit	Guideline Comments	
Metals Extractable						
Aluminum	Extractable mg/L	0.01	0.005	0.1	Acceptable	
Antimony	Extractable mg/L	<0.0002	0.0002	0.006	Pass	
Arsenic	Extractable mg/L	0.0002	0.0002	0.025	Pass	
Barium	Extractable mg/L	0.004	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	0.0005	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	0.007	0.001	5	Acceptable	
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	4	2	500	Acceptable
Physical and Aggregate Properties						
Colour	Apparent, Potable	Colour units	5	5	15	Acceptable
Turbidity		NTU	1.8	0.1	5	Acceptable
Temperature	As Received	°C	10	-		n/a
Routine Water						
pH			7.80	-	6.5 - 8.5	Acceptable
Sodium	Extractable	mg/L	10.4	0.4	200	Acceptable
Iron	Extractable	mg/L	0.1	0.03	0.3	Acceptable
Manganese	Extractable	mg/L	0.01	0.005	0.05	Acceptable
Chloride	Dissolved	mg/L	8.2	0.4	250	Acceptable
Fluoride		mg/L	0.05	0.05	1.5	Pass
Nitrate - N		mg/L	0.09	0.01	10	Pass
Nitrite - N		mg/L	<0.005	0.005	1	Pass
Sulfate (SO4)		mg/L	1	0.9	500	Acceptable
T-Alkalinity	as CaCO3	mg/L	56	5	250-650	Low

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.



Analytical Report

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Report to: Discovery Islands Water Quality Services
Box 180
Quathiaski Cove, BC, Canada
VOP 1N0
Attn: Paul Flemming
Sampled By:
Company:

Project ID:
Name: Well Head
Location: Siskan Lane, Cortez Island
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 410010
Control Number:
Date Received: Sep 21, 2005
Date Reported: Sep 26, 2005
Report Number: 750269

NWL Number 410010-1
Sample Date Sep 20, 2005 3:00:00PM
Sample Description Well Head Lot # 8 / Well # 11340
Sample Matrix Water - General

Analyte	Units	Result	Detection Limit	Guideline Limit	Guideline Comments
Routine Water - Continued					
Total Dissolved Solids	mg/L	71	1	500	Acceptable
Hardness as CaCO3	mg/L	43	-		Soft



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NWL Lot ID: 410010
 Control Number:
 Date Received: Sep 21, 2005
 Date Reported: Sep 26, 2005
 Report Number: 750269

NWL Number 410010-2
 Sample Date Sep 20, 2005 3:30:00PM
 Sample Description Well Head Lot # 9 / Well # 11338
 Sample Matrix Water - General

Analyte	Units	Result	Detection Limit	Guideline Limit	Guideline Comments	
Metals Extractable						
Aluminum	Extractable mg/L	<0.005	0.005	0.1	Acceptable	
Antimony	Extractable mg/L	<0.0002	0.0002	0.006	Pass	
Arsenic	Extractable mg/L	0.0008	0.0002	0.025	Pass	
Barium	Extractable mg/L	0.004	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	<0.0005	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	0.002	0.001	5	Acceptable	
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	20	2	500	Acceptable
Physical and Aggregate Properties						
Colour	Apparent, Potable	Colour units	<5	5	15	Acceptable
Turbidity		NTU	0.6	0.1	5	Acceptable
Temperature	As Received	°C	10	-		n/a
Routine Water						
pH			7.81	-	6.5 - 8.5	Acceptable
Sodium	Extractable	mg/L	8.5	0.4	200	Acceptable
Iron	Extractable	mg/L	0.05	0.03	0.3	Acceptable
Manganese	Extractable	mg/L	0.006	0.005	0.05	Acceptable
Chloride	Dissolved	mg/L	7.9	0.4	250	Acceptable
Fluoride		mg/L	<0.05	0.05	1.5	Pass
Nitrate - N		mg/L	0.09	0.01	10	Pass
Nitrite - N		mg/L	<0.005	0.005	1	Pass
Sulfate (SO4)		mg/L	1	0.9	500	Acceptable
T-Alkalinity	as CaCO3	mg/L	40	5	250-650	Low

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NWL Lot ID: 410010
Control Number:
Date Received: Sep 21, 2005
Date Reported: Sep 26, 2005
Report Number: 750269

NWL Number 410010-2
Sample Date Sep 20, 2005 3:30:00PM
Sample Description Well Head Lot # 9 / Well # 11338
Sample Matrix Water - General

Analyte	Units	Result	Detection Limit	Guideline Limit	Guideline Comments
Routine Water - Continued					
Total Dissolved Solids	mg/L	55	1	500	Acceptable
Hardness as CaCO3	mg/L	32	-		Soft

Approved by: *Marie England*

Marie England
Consulting Scientist



Methodology and Notes

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Page: 5 of 5

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 Chromatography	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	26-Sep-05	Norwest Labs Edmonton
Chloride in Water	APHA	* Automated Ferricyanide Method, 4500-Cl- E	23-Sep-05	Norwest Labs Edmonton
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	21-Sep-05	Norwest Labs Surrey
Heterotrophic (Standard) Plate Count (Aerobic SP) - Surrey	APHA	Heterotrophic Plate Count - Pour Plate Method, 9215 B	21-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	26-Sep-05	Norwest Labs Edmonton
Metals Trace (Extractable) in water	APHA	* Inductively Coupled Plasma (ICP) Method, 3120 B	23-Sep-05	Norwest Labs Edmonton
Total Coliforms- Colilert	APHA	Enzyme Substrate Test, 9223 B	21-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:

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