



Siskin Lane

Lot 2  
Water Testing Results  
And  
Well Log

Certificate of Potability and Water Report

As outlined in the *Canadian Safe Drinking Water Guidelines*

April 2006



## Certificate of Potability

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# 2 - Well Head  
Name:  
Location: Well # 11301 Siskinlane, Cortez Island  
LSD:  
P.O.:  
Acct. Code:

NWL Lot ID: **406642**  
Control Number:  
Date Received: Sep 07, 2005  
Date Reported: Sep 12, 2005  
Report Number: 743563

Page: 1 of 1

### Sample Description: Well # 11301 Siskinlane, Cortez Island / Lot# 2 - Well Head

The above mentioned water sample number **406642 - 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:

Approved by:

Bill Warning, B.Sc.  
Lab 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.



# Report Transmission Cover Page

Norwest Labs  
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**Date Received:** Sep 07, 2005  
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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:

<p><b>Notes to Clients</b></p> <p><u>Lot Notes:</u></p> <p><u>Sample Notes:</u></p> <p><u>Batch Notes:</u></p> <p><u>Method Notes:</u></p> <p><u>Method Result Notes:</u></p>
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## Reports associated with this Lot

<u>Id/Format/Reported Date</u>	<u>Id/Format/Reported Date</u>	<u>Id/Format/Reported Date</u>
743563 Env Guide No Disp		

## 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.

9/13/05 743563 13-Sep-2005



# Analytical Report

Norwest Labs  
 #104, 19575-55 A Ave.  
 Surrey, BC. V3S 8P8  
 Phone: (604) 514-3322  
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 Box 180  
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 Company:

**Project ID:** Lot# 2 - Well Head  
**Name:**  
**Location:** Well # 11301 Siskinlane, Cortez Island  
**LSD:**  
**P.O.:**  
**Acct. Code:**

**NWL Lot ID:** 406642  
**Control Number:**  
**Date Received:** Sep 07, 2005  
**Date Reported:** Sep 12, 2005  
**Report Number:** 743563

NWL Number: 406642-1  
 Sample Date: Sep 06, 2005 3:30:00PM  
 Sample Description: Well # 11301 Siskinlane, Cortez Island / Lot# 2 - Well Head  
 Sample Matrix: Water - General

Analyte	Units	Result	Detection Limit	Guideline Limit	Guideline Comments	
<b>Metals Extractable</b>						
Aluminum	Extractable mg/L	0.006	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	0.008	0.002	5	Pass	
Cadmium	Extractable mg/L	<0.00001	0.00001	0.005	Pass	
Chromium	Extractable mg/L	0.0007	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	<0.001	0.001	5	Acceptable	
<b>Microbiological Analysis</b>						
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	23	2	500	Acceptable
<b>Physical and Aggregate Properties</b>						
Colour	Apparent, Potable	Colour units	8	5	15	Acceptable
Turbidity		NTU	2.3	0.1	5	Acceptable
Temperature	As Received	°C	11	-		n/a
<b>Routine Water</b>						
pH			7.72	-	6.5 - 8.5	Acceptable
Sodium	Extractable	mg/L	9.6	0.4	200	Acceptable
Iron	Extractable	mg/L	0.26	0.03	0.3	Acceptable
Manganese	Extractable	mg/L	0.008	0.005	0.05	Acceptable
Chloride	Dissolved	mg/L	9.7	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	1	0.9	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.



# Analytical Report

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Sample Description Well # 11301 Siskinlane, Cortez Island / Lot# 2 - Well Head  
Sample Matrix Water - General

Analyte	Units	Result	Detection Limit	Guideline Limit	Guideline Comments
<b>Routine Water - Continued</b>					
T-Alkalinity	as CaCO3	mg/L 45	5	250-650	Low
Total Dissolved Solids		mg/L 62	1	500	Acceptable
Hardness	as CaCO3	mg/L 37	-		Soft

Approved by: *Bill Warning*  
Bill Warning, B.Sc.  
Lab Operations Manager



## 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	8-Sep-05	Norwest Labs Edmonton
Alkalinity, pH, and EC in water	APHA	* Titration Method, 2320 B	8-Sep-05	Norwest Labs Edmonton
Anions (Routine) by Ion Chromatography	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	9-Sep-05	Norwest Labs Edmonton
Chloride in Water	APHA	* Automated Ferricyanide Method, 4500-Cl- E	9-Sep-05	Norwest Labs Edmonton
Colour (Apparent) in water	APHA	* Visual Comparison Method, 2120 B	9-Sep-05	Norwest Labs Edmonton
E. coli - Colilert	APHA	Enzyme Substrate Test, 9223 B	7-Sep-05	Norwest Labs Surrey
Heterotrophic (Standard) Plate Count (Aerobic SP) - Surrey	APHA	Heterotrophic Plate Count - Pour Plate Method, 9215 B	7-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	9-Sep-05	Norwest Labs Edmonton
Metals Trace (Extractable) in water	APHA	* Inductively Coupled Plasma (ICP) Method, 3120 B	8-Sep-05	Norwest Labs Edmonton
Total Coliforms- Colilert	APHA	Enzyme Substrate Test, 9223 B	7-Sep-05	Norwest Labs Surrey
Turbidity in Water	APHA	* Nephelometric Method, 2130 B	9-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

