

Company:

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 | ID: Lot #6 - Well # 11317 | Lat #6 \\\\alpha\1 # 11217 | NWL Lot ID: | 406992 |
|--|---------------------------|----------------------------|-----------------|--------------|
| Report to: Discovery Islands Water Quality | | Lot #0 - Well # 11517 | Control Number: | |
| Services | | | Date Received: | Sep 08, 2005 |
| Box 180 | Location: | | Date Reported: | Sep 14, 2005 |
| Quathiaski Cove, BC, Canada | LSD: | | Report Number: | 744265 |
| VOP 1N0 | P.O.: | | | |
| Attn: Paul Flemming Sampled By: | Acct. Code: | | | |

Page: 1 of 1

Sample Description: Well Head / Sisken Lane, Cortex Island / Lot #6 - Well #11317

The above mentioned water sample number **406992** - 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:

C William Warning

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 #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: | 406992 | |
|--|-------------------------------------|----------------------|---|--------------|--|
| Services II Report to: Discovery Islands Water Quality N Services L Box 180 | ID: L Name: Location: LSD: | ot #6 - Well # 11317 | Control Number: Date Received: Date Reported: | Sep 14, 2005 | |
| V0P 1N0 | P.O.: | | Report Number: | 744203 | |
| Attn: Paul Flemming Sampled By: Company: | Acct. Code: | | | | |

| Contact | Company | Address | |
|---------------------|---------------------|---------------------------------|--|
| Paul Flemming | Cash Account | Box 180 | |
| Web | | Quathiaski Cove, BC V0P 1N0 | |
| Email Notification | | Phone: (250) 830-3744 Fax: | |
| Copies Delivery Str | ategy <u>Format</u> | Email: thewaterguy@uniserve.com | |
| 1 Post | | | |
| 1 Email - Sing | le 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 744265 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

Page: 1 of 3

| Bill to: Discovery Islands Water Quality | Project | | NWL Lot ID: | 406992 |
|---|-----------------------------------|-----------------------|---|--------|
| Services Report to: Discovery Islands Water Quality Services Box 180 Quathiaski Cove, BC, Canada | ID: Name: Location: LSD: | Lot #6 - Well # 11317 | 7 Control Number: Date Received: Date Reported: Report Number: | |
| V0P 1N0 P.O.: | | | | |
| Attn: Paul Flemming Sampled By: Company: | Acct. Code | : | | |

| | | lumber | 406992-1 | | | |
|---|--|----------|--------------------|---|-----------------------|--|
| | Sample Date Sample Description Sample Matrix | | Sep 07, 2005 | 7, 2005 5:00:00PM Head / Sisken Lane, Cortex Island / Lot #6 - ¢11317 | | |
| nalyte Ur | nits | Result | Detection Limit | Guideline Limit | Guideline Comments | |
| letals Extractable | | | | | | |
| | g/L | 0.028 | 0.005 | 0.1 | Acceptable | |
| | g/L | <0.0002 | 0.0002 | 0.006 | Pass | |
| - | g/L | 0.0005 | 0.0002 | 0.025 | Pass | |
| arium Extractable me | g/L | 0.005 | 0.001 | 1 | Pass | |
| oron Extractable m | g/L | 0.004 | 0.002 | 5 | Pass | |
| admium Extractable m | g/L | <0.00001 | 0.00001 | 0.005 | Pass | |
| hromium Extractable m | g/L | 0.0011 | 0.0005 | 0.05 | Pass | |
| opper Extractable m | g/L | 0.002 | 0.001 | 1 | Acceptable | |
| ead Extractable m | g/L | 0.001 | 0.0001 | 0.01 | Pass | |
| | g/L | <0.0005 | 0.0005 | 0.02 | Pass | |
| inc Extractable m | g/L | 0.003 | 0.001 | 5 | Acceptable | |
| licrobiological Analysis | | | | | | |
| otal Coliforms Enzyme Substrate TestMPN/* | 100 mL | <1.0 | 1 | <1 | Pass | |
| scherichia coli Enzyme Substrate TestMPN/* | 100 mL | <1 | 1 | <1 | Pass | |
| eterotrophic Count - SimPlate MPt erobic | N/mL | <2 | 2 | 500 | Acceptable | |
| hysical and Aggregate Properties | | | | | | |
| | r units | 16 | 5 | 15 | Above Aesthetic | |
| urbidity N ⁻ | | 6.2 | 0.1 | 5 | Above Asethetic | |
| emperature As Received ° | С | 6.0 | _ | | n/a | |
| outine Water | | | | | | |
| Н | | 7.50 | - | 6.5 - 8.5 | Acceptable | |
| | g/L | 10.7 | 0.4 | 200 | Acceptable | |
| | g/L | 0.66 | 0.03 | 0.3 | Above Aesthetic | |
| - | g/L | 0.024 | 0.005 | 0.05 | Acceptable | |
| | g/L | 9.2 | 0.4 | 250 | Acceptable | |
| luoride me | g/L | 0.06 | 0.05 | 1.5 | Pass | |
| | g/L | 0.04 | 0.01 | 10 | Pass | |
| | g/L | <0.005 | 0.005 | 1 | Pass | |
| ulfate (SO4) ma | g/L | 2 | 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

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: 406992 |
|--|---|--|
| Services Report to: Discovery Islands Water Quality Services Box 180 Quathiaski Cove, BC, Canada V0P 1N0 Attn: Paul Flemming Sampled By: | ID: Lot #6 - Well # 113 Name: Location: LSD: P.O.: Acct. Code: | Control Number: Date Received: Sep 08, 2005 Date Reported: Sep 14, 2005 Report Number: 744265 |
| Company: | | Page: 2 of 3 |
| | NWL Number Sample Date Sample Description | 406992-1 Sep 07, 2005 5:00:00PM Well Head / Sisken Lane, Cortex Island / Lot #6 - |

| | | Sample Matrix | | Well #11317 Water - Gene | | | |
|--------------------|-----------|---------------|--------|-----------------------------|--------------------|-----------------------|--|
| Analyte | | Units | Result | Detection Limit | Guideline Limit | Guideline Comments | |
| Routine Water - | Continued | | | | | | |
| T-Alkalinity | as CaCO3 | mg/L | 48 | 5 | 250-650 | Low | |
| Total Dissolved So | olids | mg/L | 66 | 1 | 500 | Acceptable | |
| Hardness | as CaCO3 | mg/L | 40 | - | | 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 Services |
|--|
| Report to: Discovery Islands Water Quality |
| Services |
| Box 180 |
| Quathiaski Cove, BC, Canada |
| VOP 1N0 |
| Attn: Paul Flemming |
| Sampled By: |
| Company: |
| |

Project ID: Lot #6 - Well # 11317 Name: Location: LSD: P.O.: Acct. Code:

NWL Lot ID:406992Control Number:Date Received:Sep 08, 2005Date Reported:Sep 14, 2005Report Number:744265

Page: 3 of 3

| 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 | АРНА | * | 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 | АРНА | * | 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 |
| | * Norwe | st metho | 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

| COLUMBIA WATER | WELL RECORD Date Date Date |
|--|---|
| M Z | ELL No ELEV Location Accuracy N Dote 19 Type |
| Owners Name & Address Renewal Land | Company, Suite 610-220 Caribie |
| Legal Description & Address | |
| Descriptive Location Lot #6 | Well 157. |
| I. TYPE 1) New Well 2 Recondition OF WORK 3 Deepened 4 Abandoned | Materials 4 Plastic 5 Concrete |
| 2. WORK METHOD 1 Cable tool 2 Bored 3 Jett METHOD 0 Other | verse Hole in |
| 3. WATER 1 Domestic 2 Municipal 3 Irrig WELL USE4 Comm. & Ind. Other | f_{1} |
| 4. DRILLING ADDITIVES , | Thickness 219 in |
| 5. MEASUREMENTS from 1 1 ground level 2 1 top of | Weight Ib/ |
| casing height above ground level_ | Pitless unit ft 1 Dobve 2 below ground level 1 1 New 2 Cemented 3 Threaded 1 New 2 Usc SWL Perforations: SWL SWL |
| 0 3 Cobbley brown Selly | |
| Sand. | 5/// <u>5/// 5/// 5/// 5/// 5/// 5/// 5//</u> |
| 2 07 Grey Cobbley Sillip 1:11 | |
| To meducin ordered san | |
| - glailed | Moterial 1 & Stainless Steel 12 Plastic Other |
| 101 112 Prey Silty Sand Ston Mederet Grained | (1) RISER, SCREEN & BLANKS uni |
| 112/17 Crey Silly Sand, | Length + 16" ft Diam. 10 in |
| 117 153 Chey fine grained Sill | Slot Size Ott |
| Sand'. U | |
| to coarse ordered | Fittings, top K-packer bottom blank Gravel Pack |
| 157 190 Tan Sand & gravel | II. DEVELOPED BY: 1 🗆 Surging 2 🗆 Jetting 3 🗋 Air 4 🗆 Bailing 5 🗖 Pumping 💭 Other |
| 190 Dio Tan medium grained | I2. TEST 1 [] Pump 2 [] Bail 3 [] Air Date [] |
| \$10 Plu Grey medium channed | Rate USapm Temp OC SWI before test |
| * Sand, water bedring | I DRAWDOWN in ft I RECOVERY in ft mins WL mins WL mins WL |
| · · · · · · · · · · · · · · · · · · · | |
| WATER QUALITY & QUANTITY | |
| NOT GUARANTEED BY | RECOMMENDED PUMP TYPE RECOMMENDED PUMP SETTING RECOMMENDED PUMPING F |
| THE CONTRACTOR | I4.WATER TYPE: 1 X fresh 2 Isalty 3 X clear 4 Iclou |
| | coloursmell; gas 1 🗆 yes 2 沟 r |
| 7. CONSULTANT | 15. WATER ANALYSIS: 1 Hardness mg 2 Iron mg/L 3 Chloride mg/L |
| Address 8.WELL LOCATION SKETCH | 4 pH |
| | INAL WELL COMPLETION DATA |
| | INAL WELL COMPLETION DATA |
| S S | totic Water Level, 208 ft Artesian US and Head |
| B | ack filled Nature material Beneed Class ell Head Completion Surface Seal and well 1 |
| | Pap. |
| | RILLER PARKERYANAME ROBERTIII |
| | |
| | Signatur RED WILLIAMS WELL DRILLING LTT ONTRACTOR, |
| | ddress 980 PRATT ROAD |
| | QUALICUM BEACH, BC |
| | Member, BCGWA Qyes Ono ; - V9K-1W5 |
| The Province of British Columb | Ha accepts no responsibility for the contents or accuracy of this record. |

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