Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.: 110582

- FINAL REPORT -

Prepared For: Charter Community of Deline
Band Office

Address: P.O. Box 212
Deline, NT
X0E 0G0

Attn: **Christina Gaudet** **Facsimile: (867) 589-4106**

Final report has been reviewed and approved by:

Angelique Ruzindana
Quality Assurance Officer

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) as a testing laboratory for specific tests registered with CALA.
- Routine methods are based on recognized procedures from sources such as
  - Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF;
  - Environment Canada
  - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.

ReportDate: Thursday, September 01, 2011
Print Date: Thursday, September 01, 2011

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Taiga Batch No.: 110582

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: 001

Client Project:
Sample Type: Water
Received Date: 26-Aug-11
Sampling Date: 26-Aug-11
Sampling Time: 9:20
Location: Deline Lagoon
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Physicals						
Solids, Total Suspended	144	3	mg/L	29-Aug-11	SM2540:D	
Inorganics - Nutrients						
Biochemical Oxygen Demand	93	2	mg/L	26-Aug-11	SM5210:B	
Microbiology						
Coliforms, Fecal	7500	100	CFU/100mL	26-Aug-11	SM9222:D	

ReportDate: Thursday, September 01, 2011
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Client Sample ID:

Taiga Sample ID: 001

*** Taiga analytical methods are based on the following standard analytical methods**

SM - Standard Methods for the Examination of Water and Wastewater

EPA - United States Environmental Protection Agency

ReportDate: Thursday, September 01, 2011
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RUSH

TAIGA ENVIRONMENTAL LABORATORY
LABORATOIRE ENVIRONNEMENTAL TAIGA
4601 – 52 Avenue, P.O. Box 1500, Yellowknife, NT, X1A 2R3
Tel: (867) 669-2788 • Fax: (867) 669-2718
www.taiga.gc.ca

Batch No: 110582

Send Results & Invoice to:
(Please notify if results or invoice are to be sent to different locations)

Company/Agency: QUARTER COMMUNITY
Address: ORDELINE
PO BOX 180
City/Town: Deline Province/Territory: NT
Postal Code: X0E0G0
Phone: 589-4800 Fax: 589-4106
E-mail: christina_gaudet@gov.deline.ca
Signature: C Gaudet

Client Project No:
Date collected: AUG 26/11
Time collected: 9:20 AM
Sampler: GREG BAPTISTE
Location: DELINE LAGOON
Rush Required: ☒ Yes ☐ No (Surcharge applies, please check with Laboratory for price and availability)
Note: *Analysis may be subcontracted without prior notice.*

Date Received: Aug 26/11 Received By: 2
Comments: @ 14:51
(Laboratory use only)

-WATER SAMPLES –

Sample Type (freshwater, sewage, wastewater, potable, groundwater, salt water, etc)			
Client Sample ID (As it should appear on final report)			
Taiga Sample ID (Laboratory use only)	001		

Bottle Type and Parameter	√ PLEASE CHECK PARAMETERS REQUESTED BELOW:		
pH, Conductivity, Alkalinity	pH | Cond | Alk	pH | Cond | Alk	pH | Cond | Alk
Individual Anions Suite ☐	Cl | SO_4 | F | NO_3-N | NO_2-N	Cl | SO_4 | F | NO_3-N | NO_2-N	Cl | SO_4 | F | NO_3-N | NO_2-N
Total Nitrite (NO_2) + Nitrate (NO_3)	NO_2 + NO_3-N	NO_2 + NO_3-N	NO_2 + NO_3-N
Individual Cations Suite ☐	Ca | Mg | Na | K	Ca | Mg | Na | K	Ca | Mg | Na | K
Hardness (Calculated)	Hardness	Hardness	Hardness
Reactive Silica	SiO_2	SiO_2	SiO_2
Color	Apparent | True	Apparent | True	Apparent | True
Laboratory use only	Rec'd: Y N	Rec'd: Y N	Rec'd: Y N
Chemical Oxygen Demand	COD	COD	COD
Nitrogen: Total, Dissolved	TN | DN	TN | DN	TN | DN
Turbidity	Turbidity	Turbidity	Turbidity
Total Suspended Solids, Dissolved Solids	TSS | TDS	TSS | TDS	TSS | TDS
Ammonia	NH_3	NH_3	NH_3-N
Phosphorus: Total, Dissolved, Ortho	TP | DP | OP	TP | DP | OP	TP | DP | OP
Carbon: Total, Dissolved	TOC | DOC	TOC | DOC	TOC | DOC
Chlorine: Total, Residual	T. Cl | R. Cl	T. Cl | R. Cl	T. Cl | R. Cl
Visible Oil and Grease	Visible	Visible	Visible
Laboratory use only	Received: Y N	Received: Y N	Received: Y N
Fecal Coliforms (FC)	FC	FC	FC
Total Coliforms (TC), E. Coli (EC)	TC | EC	TC | EC	TC | EC
Fecal Streptococcus (FS)	FS	FS	FS
Laboratory use only	Received: Y N T: °C Sterile container: Y N	Received: Y N T: °C Sterile container: Y N	Received: Y N T: °C Sterile container: Y N
Biological Oxygen Demand	BOD	BOD	BOD
Laboratory use only	Received: Y N T: °C	Received: Y N T: °C	Received: Y N T: °C
Please indicate if sample is preserved and/or filtered	Pres ☐ | Filt☐ Pres☐	Pres ☐ | Filt☐ Pres☐	Pres ☐ | Filt☐ Pres☐
ICP-MS(1): Cd, Cr, Cu, Co, Mn, Ni, Pb, Zn, Fe	Total | Dissolved	Total | Dissolved	Total | Dissolved
ICP-MS(2): 25 element scan includes As (not included: B, Bi, Hg, Sn)	Total | Dissolved	Total | Dissolved	Total | Dissolved
Individual Metals by ICP-MS (please circle each metal): Ag, Al, As, B, Ba, Be, Bi, Cd, Co, Cr, Cs, Cu, Fe, Hg, Li, Mn, Mo, Ni, Pb, Rb, Sb, Se, Sn, Sr, Ti, Tl, U, V, Zn	Total | Dissolved	Total | Dissolved	Total | Dissolved
Laboratory use only	TM rec'd: Y N | DM rec'd: Y N	TM rec'd: Y N | DM rec'd: Y N	TM rec'd: Y N | DM rec'd: Y N
Hexane Extractable Material (O&G)	HEM	HEM	HEM
Laboratory use only	Rec'd: Y N Pres: Y N	Rec'd: Y N Pres: Y N	Rec'd: Y N Pres: Y N
BTEX, Purgeable HC (40mL x 2 vials)	BTEX | Purg HC	BTEX | Purg HC	BTEX | Purg HC
Extractable HC (1L amber glass bottle)	Ext HC	Ext HC	Ext HC
Trihalomethanes (40 mL x 2 vials)	THM	THM	THM
Laboratory use only	Vial rec'd: Y N | Ext rec'd: Y N	Vial rec'd: Y N | Ext rec'd: Y N	Vial rec'd: Y N | Ext rec'd: Y N
Other: *see special request form*			

For safety purposes, please disclose any contaminants (e.g. heavy metals, cyanide, etc.) that may be present at high levels and pose a risk to human health:

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Taiga Batch No.: 110866

- FINAL REPORT -

Prepared For: Deline Renewable Resources Council

Address: P.O. Box 163
Deline, NT
X0E 0G0

Attn: **Lorien Nesbitt** **Facsimile:**

Final report has been reviewed and approved by:

Helene Harper

Helene Harper
Manager

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) as a testing laboratory for specific tests registered with CALA.
- Routine methods are based on recognized procedures from sources such as
  - Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF;
  - Environment Canada
  - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.

ReportDate: Tuesday, December 06, 2011
Print Date: Tuesday, December 06, 2011

Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.: 110866

- CERTIFICATE OF ANALYSIS -

Client Sample ID: TB **Taiga Sample ID:** 001

Client Project:
Sample Type: Water
Received Date: 22-Nov-11
Sampling Date: 20-Nov-11
Sampling Time: 14:00
Location: GBL Deline Bay
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Physicals						
Alkalinity, Total (as CaCO3)	< 0.4	0.4	mg/L	01-Dec-11	SM2320:B	
Conductivity, Specific (@ 25°C)	2.1	0.4	µS/cm	01-Dec-11	SM2510:B	
pH	5.61		pH units	01-Dec-11	SM4500-H:B	
Inorganics - Nutrients						
Ammonia as Nitrogen	< 0.01	0.01	mg/L	25-Nov-11	SM4500-NH3:	
Organic Carbon, Dissolved	< 0.5	0.5	mg/L	25-Nov-11	SM5310:B	
Organic Carbon, Total	< 0.5	0.5	mg/L	25-Nov-11	SM5310:B	
Phosphorous, Total	0.02	0.01	mg/L	02-Dec-11	SM4500-P:D	
Major Ions						
Nitrate as Nitrogen	< 0.01	0.01	mg/L	25-Nov-11	SM4110:B	
Nitrite as Nitrogen	< 0.01	0.01	mg/L	25-Nov-11	SM4110:B	
Trace Metals, Total						
Aluminum	3.5	0.6	µg/L	05-Dec-11	EPA200.8	
Antimony	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8	

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Taiga Batch No.: 110866

- CERTIFICATE OF ANALYSIS -

Client Sample ID: TB **Taiga Sample ID:** 001

Arsenic	< 0.2	0.2	µg/L	05-Dec-11	EPA200.8
Barium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Beryllium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Cadmium	< 0.05	0.05	µg/L	05-Dec-11	EPA200.8
Cesium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Chromium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Cobalt	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Copper	< 0.2	0.2	µg/L	05-Dec-11	EPA200.8
Iron	< 5	5	µg/L	05-Dec-11	EPA200.8
Lead	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Lithium	< 0.2	0.2	µg/L	05-Dec-11	EPA200.8
Manganese	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Molybdenum	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Nickel	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Rubidium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Selenium	< 0.3	0.3	µg/L	05-Dec-11	EPA200.8
Silver	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Strontium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Thallium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Titanium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Uranium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Vanadium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Zinc	1.3	0.4	µg/L	05-Dec-11	EPA200.8

ReportDate: Tuesday, December 06, 2011
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Taiga Batch No.: 110866

- CERTIFICATE OF ANALYSIS -

Client Sample ID: FB **Taiga Sample ID:** 002

Client Project:
Sample Type: Water
Received Date: 22-Nov-11
Sampling Date: 20-Nov-11
Sampling Time: 14:00
Location: GBL Deline Bay
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Physicals						
Alkalinity, Total (as CaCO3)	64.0	0.4	mg/L	01-Dec-11	SM2320:B	
Conductivity, Specific (@ 25°C)	162	0.4	µS/cm	01-Dec-11	SM2510:B	
pH	7.91		pH units	01-Dec-11	SM4500-H:B	
Inorganics - Nutrients						
Ammonia as Nitrogen	< 0.01	0.01	mg/L	25-Nov-11	SM4500-NH3:	
Organic Carbon, Dissolved	2.2	0.5	mg/L	25-Nov-11	SM5310:B	
Organic Carbon, Total	2.5	0.5	mg/L	25-Nov-11	SM5310:B	
Phosphorous, Total	0.02	0.01	mg/L	02-Dec-11	SM4500-P:D	
Major Ions						
Nitrate as Nitrogen	0.13	0.01	mg/L	25-Nov-11	SM4110:B	
Nitrite as Nitrogen	< 0.01	0.01	mg/L	25-Nov-11	SM4110:B	
Trace Metals, Total						
Aluminum	4.7	0.6	µg/L	05-Dec-11	EPA200.8	
Antimony	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8	

ReportDate: Tuesday, December 06, 2011
Print Date: Tuesday, December 06, 2011

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Taiga Batch No.: 110866

- CERTIFICATE OF ANALYSIS -

Client Sample ID: FB **Taiga Sample ID:** 002

Arsenic	0.2	0.2	µg/L	05-Dec-11	EPA200.8
Barium	26.6	0.1	µg/L	05-Dec-11	EPA200.8
Beryllium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Cadmium	< 0.05	0.05	µg/L	05-Dec-11	EPA200.8
Cesium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Chromium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Cobalt	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Copper	0.5	0.2	µg/L	05-Dec-11	EPA200.8
Iron	7	5	µg/L	05-Dec-11	EPA200.8
Lead	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Lithium	3.6	0.2	µg/L	05-Dec-11	EPA200.8
Manganese	1.9	0.1	µg/L	05-Dec-11	EPA200.8
Molybdenum	0.4	0.1	µg/L	05-Dec-11	EPA200.8
Nickel	0.3	0.1	µg/L	05-Dec-11	EPA200.8
Rubidium	0.7	0.1	µg/L	05-Dec-11	EPA200.8
Selenium	< 0.3	0.3	µg/L	05-Dec-11	EPA200.8
Silver	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Strontium	118	0.1	µg/L	05-Dec-11	EPA200.8
Thallium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Titanium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Uranium	0.3	0.1	µg/L	05-Dec-11	EPA200.8
Vanadium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Zinc	3.0	0.4	µg/L	05-Dec-11	EPA200.8

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Taiga Batch No.: 110866

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Top 2 ft **Taiga Sample ID:** 003

Client Project:
Sample Type: Water
Received Date: 22-Nov-11
Sampling Date: 20-Nov-11
Sampling Time: 14:00
Location: GBL Deline Bay
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Physicals						
Alkalinity, Total (as CaCO3)	50.7	0.4	mg/L	01-Dec-11	SM2320:B	
Conductivity, Specific (@ 25°C)	128	0.4	µS/cm	01-Dec-11	SM2510:B	
pH	8.08		pH units	01-Dec-11	SM4500-H:B	
Inorganics - Nutrients						
Ammonia as Nitrogen	< 0.01	0.01	mg/L	25-Nov-11	SM4500-NH3:	
Organic Carbon, Dissolved	1.7	0.5	mg/L	25-Nov-11	SM5310:B	
Organic Carbon, Total	2.1	0.5	mg/L	25-Nov-11	SM5310:B	
Phosphorous, Total	< 0.01	0.01	mg/L	02-Dec-11	SM4500-P:D	
Major Ions						
Nitrate as Nitrogen	0.10	0.01	mg/L	25-Nov-11	SM4110:B	
Nitrite as Nitrogen	< 0.01	0.01	mg/L	25-Nov-11	SM4110:B	
Trace Metals, Total						
Aluminum	13	5	µg/L	05-Dec-11	EPA200.8	
Antimony	0.5	0.1	µg/L	05-Dec-11	EPA200.8	

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Taiga Batch No.: 110866

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Top 2 ft **Taiga Sample ID:** 003

Arsenic	0.3	0.2	µg/L	05-Dec-11	EPA200.8
Barium	29.6	0.1	µg/L	05-Dec-11	EPA200.8
Beryllium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Cadmium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Cesium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Chromium	0.4	0.1	µg/L	05-Dec-11	EPA200.8
Cobalt	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Copper	1.0	0.2	µg/L	05-Dec-11	EPA200.8
Iron	20	5	µg/L	05-Dec-11	EPA200.8
Lead	0.2	0.1	µg/L	05-Dec-11	EPA200.8
Lithium	4.0	0.2	µg/L	05-Dec-11	EPA200.8
Manganese	2.0	0.1	µg/L	05-Dec-11	EPA200.8
Molybdenum	0.5	0.1	µg/L	05-Dec-11	EPA200.8
Nickel	0.3	0.1	µg/L	05-Dec-11	EPA200.8
Rubidium	0.7	0.1	µg/L	05-Dec-11	EPA200.8
Selenium	< 0.5	0.5	µg/L	05-Dec-11	EPA200.8
Silver	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Strontium	112	0.1	µg/L	05-Dec-11	EPA200.8
Thallium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Titanium	0.3	0.1	µg/L	05-Dec-11	EPA200.8
Uranium	0.3	0.1	µg/L	05-Dec-11	EPA200.8
Vanadium	0.4	0.1	µg/L	05-Dec-11	EPA200.8
Zinc	15	5	µg/L	05-Dec-11	EPA200.8

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Taiga Batch No.: 110866

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Bottom 6 ft **Taiga Sample ID:** 004

Client Project:
Sample Type: Water
Received Date: 22-Nov-11
Sampling Date: 20-Nov-11
Sampling Time: 14:00
Location: GBL Deline Bay
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Physicals						
Alkalinity, Total (as CaCO3)	78.0	0.4	mg/L	01-Dec-11	SM2320:B	
Conductivity, Specific (@ 25°C)	190	0.4	µS/cm	01-Dec-11	SM2510:B	
pH	8.06		pH units	01-Dec-11	SM4500-H:B	
Inorganics - Nutrients						
Ammonia as Nitrogen	0.02	0.01	mg/L	25-Nov-11	SM4500-NH3:	
Organic Carbon, Dissolved	5.5	0.5	mg/L	25-Nov-11	SM5310:B	
Organic Carbon, Total	6.4	0.5	mg/L	25-Nov-11	SM5310:B	
Phosphorous, Total	0.02	0.01	mg/L	02-Dec-11	SM4500-P:D	
Major Ions						
Nitrate as Nitrogen	0.15	0.01	mg/L	25-Nov-11	SM4110:B	
Nitrite as Nitrogen	< 0.01	0.01	mg/L	25-Nov-11	SM4110:B	
Trace Metals, Total						
Aluminum	13	5	µg/L	05-Dec-11	EPA200.8	
Antimony	0.4	0.1	µg/L	05-Dec-11	EPA200.8	

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Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.: 110866

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Bottom 6 ft **Taiga Sample ID:** 004

Arsenic	0.3	0.2	µg/L	05-Dec-11	EPA200.8
Barium	36.1	0.1	µg/L	05-Dec-11	EPA200.8
Beryllium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Cadmium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Cesium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Chromium	0.6	0.1	µg/L	05-Dec-11	EPA200.8
Cobalt	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Copper	0.8	0.2	µg/L	05-Dec-11	EPA200.8
Iron	49	5	µg/L	05-Dec-11	EPA200.8
Lead	0.2	0.1	µg/L	05-Dec-11	EPA200.8
Lithium	4.5	0.2	µg/L	05-Dec-11	EPA200.8
Manganese	11.6	0.1	µg/L	05-Dec-11	EPA200.8
Molybdenum	0.4	0.1	µg/L	05-Dec-11	EPA200.8
Nickel	0.4	0.1	µg/L	05-Dec-11	EPA200.8
Rubidium	0.7	0.1	µg/L	05-Dec-11	EPA200.8
Selenium	< 0.5	0.5	µg/L	05-Dec-11	EPA200.8
Silver	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Strontium	103	0.1	µg/L	05-Dec-11	EPA200.8
Thallium	< 0.1	0.1	µg/L	05-Dec-11	EPA200.8
Titanium	0.5	0.1	µg/L	05-Dec-11	EPA200.8
Uranium	0.3	0.1	µg/L	05-Dec-11	EPA200.8
Vanadium	0.4	0.1	µg/L	05-Dec-11	EPA200.8
Zinc	6	5	µg/L	05-Dec-11	EPA200.8

ReportDate: Tuesday, December 06, 2011
Print Date: Tuesday, December 06, 2011

Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.: 110866

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Bottom 6 ft **Taiga Sample ID:** 004

*** Taiga analytical methods are based on the following standard analytical methods**

SM - Standard Methods for the Examination of Water and Wastewater

EPA - United States Environmental Protection Agency

ReportDate: Tuesday, December 06, 2011
Print Date: Tuesday, December 06, 2011

Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.: 120111

- FINAL REPORT -

Prepared For: Deline Renewable Resources Council

Address: P.O. Box 163
Deline, NT
X0E 0G0

Attn: **Lorien Nesbitt** **Facsimile:**

Final report has been reviewed and approved by:

Helene Harper

Helene Harper
Manager

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) as a testing laboratory for specific tests registered with CALA.
- Routine methods are based on recognized procedures from sources such as
  - Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF;
  - Environment Canada
  - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 20120301 **Taiga Sample ID:** 001

Client Project: Great Bear Lake-Mar 2012
Sample Type: Freshwater
Received Date: 23-Mar-12
Sampling Date:
Sampling Time:
Location: Great Bear Lake
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Physicals						
Alkalinity, Total (as CaCO3)	56.4	0.4	mg/L	27-Mar-12	SM2320:B	
Conductivity, Specific (@ 25°C)	170	0.4	µS/cm	27-Mar-12	SM2510:B	
pH	7.86		pH units	27-Mar-12	SM4500-H:B	
Inorganics - Nutrients						
Ammonia as Nitrogen	< 0.01	0.01	mg/L	26-Mar-12	SM4500-NH3:	
Organic Carbon, Total	2.5	0.5	mg/L	27-Mar-12	SM5310:B	
Major Ions						
Calcium	14.1	0.1	mg/L	24-Mar-12	SM4110:B	
Magnesium	8.1	0.1	mg/L	24-Mar-12	SM4110:B	
Nitrate as Nitrogen	0.15	0.01	mg/L	24-Mar-12	SM4110:B	
Nitrite as Nitrogen	< 0.01	0.01	mg/L	24-Mar-12	SM4110:B	
Potassium	0.8	0.1	mg/L	24-Mar-12	SM4110:B	
Sodium	4.6	0.1	mg/L	24-Mar-12	SM4110:B	
Trace Metals, Total						

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

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Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 20120301 **Taiga Sample ID:** 001

Aluminum	< 0.6	0.6	µg/L	03-Apr-12	EPA200.8
Antimony	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Arsenic	< 0.2	0.2	µg/L	03-Apr-12	EPA200.8
Barium	13.7	0.1	µg/L	03-Apr-12	EPA200.8
Beryllium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Cadmium	< 0.05	0.05	µg/L	03-Apr-12	EPA200.8
Cesium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Chromium	0.1	0.1	µg/L	03-Apr-12	EPA200.8
Cobalt	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Copper	< 0.2	0.2	µg/L	03-Apr-12	EPA200.8
Iron	< 5	5	µg/L	03-Apr-12	EPA200.8
Lead	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Lithium	2.0	0.2	µg/L	03-Apr-12	EPA200.8
Manganese	0.7	0.1	µg/L	03-Apr-12	EPA200.8
Mercury	< 0.20	0.2	ug/L	04-Apr-12	EPA200.8
Molybdenum	0.2	0.1	µg/L	03-Apr-12	EPA200.8
Nickel	0.3	0.1	µg/L	03-Apr-12	EPA200.8
Rubidium	0.4	0.1	µg/L	03-Apr-12	EPA200.8
Selenium	< 0.3	0.3	µg/L	03-Apr-12	EPA200.8
Silver	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Strontium	66.8	0.1	µg/L	03-Apr-12	EPA200.8
Thallium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Titanium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Uranium	0.3	0.1	µg/L	03-Apr-12	EPA200.8
Vanadium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

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Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 20120301 **Taiga Sample ID:** 001

Zinc	1.9	0.4	µg/L	03-Apr-12	EPA200.8	
Trace Metals, Ultra Low						
Mercury			ng/L		EPA 245.7	104
Subcontracted Nutrients						
Phosphorous, Total	0.005	0.003	mg/L	28-Mar-12	SM4500-P B,E	

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

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Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 20120302 **Taiga Sample ID:** 002

Client Project: Great Bear Lake-Mar 2012
Sample Type: Freshwater
Received Date: 23-Mar-12
Sampling Date:
Sampling Time:
Location: Great Bear Lake
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Physicals						
Alkalinity, Total (as CaCO3)	56.9	0.4	mg/L	27-Mar-12	SM2320:B	
Conductivity, Specific (@ 25°C)	169	0.4	µS/cm	27-Mar-12	SM2510:B	
pH	7.82		pH units	27-Mar-12	SM4500-H:B	
Inorganics - Nutrients						
Ammonia as Nitrogen	< 0.01	0.01	mg/L	26-Mar-12	SM4500-NH3:	
Organic Carbon, Total	2.3	0.5	mg/L	27-Mar-12	SM5310:B	
Major Ions						
Calcium	16.3	0.1	mg/L	24-Mar-12	SM4110:B	
Magnesium	8.3	0.1	mg/L	24-Mar-12	SM4110:B	
Nitrate as Nitrogen	0.14	0.01	mg/L	24-Mar-12	SM4110:B	
Nitrite as Nitrogen	< 0.01	0.01	mg/L	24-Mar-12	SM4110:B	
Potassium	0.8	0.1	mg/L	24-Mar-12	SM4110:B	
Sodium	4.7	0.1	mg/L	24-Mar-12	SM4110:B	
Trace Metals, Total						

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

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Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 20120302 **Taiga Sample ID:** 002

Aluminum	< 0.6	0.6	µg/L	03-Apr-12	EPA200.8
Antimony	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Arsenic	< 0.2	0.2	µg/L	03-Apr-12	EPA200.8
Barium	23.5	0.1	µg/L	03-Apr-12	EPA200.8
Beryllium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Cadmium	< 0.05	0.05	µg/L	03-Apr-12	EPA200.8
Cesium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Chromium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Cobalt	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Copper	0.3	0.2	µg/L	03-Apr-12	EPA200.8
Iron	< 5	5	µg/L	03-Apr-12	EPA200.8
Lead	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Lithium	3.3	0.2	µg/L	03-Apr-12	EPA200.8
Manganese	0.6	0.1	µg/L	03-Apr-12	EPA200.8
Mercury	< 0.20	0.2	ug/L	04-Apr-12	EPA200.8
Molybdenum	0.3	0.1	µg/L	03-Apr-12	EPA200.8
Nickel	0.3	0.1	µg/L	03-Apr-12	EPA200.8
Rubidium	0.7	0.1	µg/L	03-Apr-12	EPA200.8
Selenium	< 0.3	0.3	µg/L	03-Apr-12	EPA200.8
Silver	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Strontium	112	0.1	µg/L	03-Apr-12	EPA200.8
Thallium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Titanium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Uranium	0.4	0.1	µg/L	03-Apr-12	EPA200.8
Vanadium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

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Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 20120302 **Taiga Sample ID:** 002

Zinc	0.8	0.4	µg/L	03-Apr-12	EPA200.8	
Trace Metals, Ultra Low						
Mercury			ng/L		EPA 245.7	104
Subcontracted Nutrients						
Phosphorous, Total	0.004	0.003	mg/L	28-Mar-12	SM4500-P B,E	

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

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Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 20120303 **Taiga Sample ID:** 003

Client Project: Great Bear Lake-Mar 2012
Sample Type: Freshwater
Received Date: 23-Mar-12
Sampling Date:
Sampling Time:
Location: Great Bear Lake
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Physicals						
Alkalinity, Total (as CaCO3)	58.6	0.4	mg/L	27-Mar-12	SM2320:B	
Conductivity, Specific (@ 25°C)	160	0.4	µS/cm	27-Mar-12	SM2510:B	
pH	8.36		pH units	27-Mar-12	SM4500-H:B	
Inorganics - Nutrients						
Ammonia as Nitrogen	< 0.01	0.01	mg/L	26-Mar-12	SM4500-NH3:	
Organic Carbon, Total	7.1	0.5	mg/L	27-Mar-12	SM5310:B	
Major Ions						
Calcium	19.4	0.1	mg/L	24-Mar-12	SM4110:B	
Magnesium	6.4	0.1	mg/L	24-Mar-12	SM4110:B	
Nitrate as Nitrogen	0.06	0.01	mg/L	24-Mar-12	SM4110:B	
Nitrite as Nitrogen	< 0.01	0.01	mg/L	24-Mar-12	SM4110:B	
Potassium	0.5	0.1	mg/L	24-Mar-12	SM4110:B	
Sodium	3.5	0.1	mg/L	24-Mar-12	SM4110:B	
Trace Metals, Total						

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

Taiga Environmental Laboratory
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Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 20120303 **Taiga Sample ID:** 003

Aluminum	< 5	5	µg/L	03-Apr-12	EPA200.8
Antimony	0.3	0.1	µg/L	03-Apr-12	EPA200.8
Arsenic	0.3	0.2	µg/L	03-Apr-12	EPA200.8
Barium	27.0	0.1	µg/L	03-Apr-12	EPA200.8
Beryllium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Cadmium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Cesium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Chromium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Cobalt	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Copper	0.7	0.2	µg/L	03-Apr-12	EPA200.8
Iron	< 5	5	µg/L	03-Apr-12	EPA200.8
Lead	0.1	0.1	µg/L	03-Apr-12	EPA200.8
Lithium	4.4	0.2	µg/L	03-Apr-12	EPA200.8
Manganese	0.4	0.1	µg/L	03-Apr-12	EPA200.8
Mercury	< 0.20	0.2	ug/L	04-Apr-12	EPA200.8
Molybdenum	0.4	0.1	µg/L	03-Apr-12	EPA200.8
Nickel	0.4	0.1	µg/L	03-Apr-12	EPA200.8
Rubidium	0.8	0.1	µg/L	03-Apr-12	EPA200.8
Selenium	< 0.5	0.5	µg/L	03-Apr-12	EPA200.8
Silver	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Strontium	165	0.1	µg/L	03-Apr-12	EPA200.8
Thallium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Titanium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Uranium	0.6	0.1	µg/L	03-Apr-12	EPA200.8
Vanadium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

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Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 20120303 **Taiga Sample ID:** 003

Zinc	< 5	5	µg/L	03-Apr-12	EPA200.8	
Trace Metals, Ultra Low						
Mercury			ng/L		EPA 245.7	104
Subcontracted Nutrients						
Phosphorous, Total	0.005	0.003	mg/L	28-Mar-12	SM4500-P B,E	

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

Taiga Environmental Laboratory
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Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Travel Blank **Taiga Sample ID:** 004

Client Project: Great Bear Lake-Mar 2012
Sample Type: Freshwater
Received Date: 23-Mar-12
Sampling Date:
Sampling Time:
Location: Great Bear Lake
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Physicals						
Alkalinity, Total (as CaCO3)	< 0.4	0.4	mg/L	27-Mar-12	SM2320:B	
Conductivity, Specific (@ 25°C)	0.9	0.4	µS/cm	27-Mar-12	SM2510:B	
pH	5.65		pH units	27-Mar-12	SM4500-H:B	
Inorganics - Nutrients						
Ammonia as Nitrogen	< 0.01	0.01	mg/L	26-Mar-12	SM4500-NH3:	
Organic Carbon, Total	< 0.5	0.5	mg/L	27-Mar-12	SM5310:B	
Major Ions						
Calcium	0.2	0.1	mg/L	24-Mar-12	SM4110:B	
Magnesium	< 0.1	0.1	mg/L	24-Mar-12	SM4110:B	
Nitrate as Nitrogen	< 0.01	0.01	mg/L	24-Mar-12	SM4110:B	
Nitrite as Nitrogen	< 0.01	0.01	mg/L	24-Mar-12	SM4110:B	
Potassium	< 0.1	0.1	mg/L	24-Mar-12	SM4110:B	
Sodium	< 0.1	0.1	mg/L	24-Mar-12	SM4110:B	
Trace Metals, Total						

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Travel Blank **Taiga Sample ID:** 004

Aluminum	< 0.6	0.6	µg/L	03-Apr-12	EPA200.8
Antimony	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Arsenic	< 0.2	0.2	µg/L	03-Apr-12	EPA200.8
Barium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Beryllium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Cadmium	< 0.05	0.05	µg/L	03-Apr-12	EPA200.8
Cesium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Chromium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Cobalt	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Copper	< 0.2	0.2	µg/L	03-Apr-12	EPA200.8
Iron	< 5	5	µg/L	03-Apr-12	EPA200.8
Lead	0.2	0.1	µg/L	03-Apr-12	EPA200.8
Lithium	< 0.2	0.2	µg/L	03-Apr-12	EPA200.8
Manganese	0.4	0.1	µg/L	03-Apr-12	EPA200.8
Mercury	< 0.20	0.2	ug/L	04-Apr-12	EPA200.8
Molybdenum	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Nickel	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Rubidium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Selenium	< 0.3	0.3	µg/L	03-Apr-12	EPA200.8
Silver	1.1	0.1	µg/L	03-Apr-12	EPA200.8
Strontium	0.4	0.1	µg/L	03-Apr-12	EPA200.8
Thallium	0.1	0.1	µg/L	03-Apr-12	EPA200.8
Titanium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Uranium	0.6	0.1	µg/L	03-Apr-12	EPA200.8
Vanadium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

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Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Travel Blank **Taiga Sample ID:** 004

Zinc	< 0.4	0.4	µg/L	03-Apr-12	EPA200.8	
Trace Metals, Ultra Low						
Mercury			ng/L		EPA 245.7	104
Subcontracted Nutrients						
Phosphorous, Total	< 0.003	0.003	mg/L	28-Mar-12	SM4500-P B,E	

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

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Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Field Blank **Taiga Sample ID:** 005

Client Project: Great Bear Lake-Mar 2012
Sample Type: Freshwater
Received Date: 23-Mar-12
Sampling Date:
Sampling Time:
Location: Great Bear Lake
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Physicals						
Alkalinity, Total (as CaCO3)	51.6	0.4	mg/L	27-Mar-12	SM2320:B	
Conductivity, Specific (@ 25°C)	159	0.4	µS/cm	27-Mar-12	SM2510:B	
pH	7.76		pH units	27-Mar-12	SM4500-H:B	
Inorganics - Nutrients						
Ammonia as Nitrogen	< 0.01	0.01	mg/L	26-Mar-12	SM4500-NH3:	
Organic Carbon, Total	2.4	0.5	mg/L	27-Mar-12	SM5310:B	
Major Ions						
Calcium	12.7	0.1	mg/L	24-Mar-12	SM4110:B	
Magnesium	8.6	0.1	mg/L	24-Mar-12	SM4110:B	
Nitrate as Nitrogen	0.15	0.01	mg/L	24-Mar-12	SM4110:B	
Nitrite as Nitrogen	< 0.01	0.01	mg/L	24-Mar-12	SM4110:B	
Potassium	0.8	0.1	mg/L	24-Mar-12	SM4110:B	
Sodium	4.9	0.1	mg/L	24-Mar-12	SM4110:B	
Trace Metals, Total						

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

Taiga Environmental Laboratory
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Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Field Blank **Taiga Sample ID:** 005

Aluminum	1.2	0.6	µg/L	03-Apr-12	EPA200.8
Antimony	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Arsenic	< 0.2	0.2	µg/L	03-Apr-12	EPA200.8
Barium	23.9	0.1	µg/L	03-Apr-12	EPA200.8
Beryllium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Cadmium	< 0.05	0.05	µg/L	03-Apr-12	EPA200.8
Cesium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Chromium	0.1	0.1	µg/L	03-Apr-12	EPA200.8
Cobalt	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Copper	0.5	0.2	µg/L	03-Apr-12	EPA200.8
Iron	< 5	5	µg/L	03-Apr-12	EPA200.8
Lead	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Lithium	3.4	0.2	µg/L	03-Apr-12	EPA200.8
Manganese	0.6	0.1	µg/L	03-Apr-12	EPA200.8
Mercury	< 0.20	0.2	ug/L	04-Apr-12	EPA200.8
Molybdenum	0.3	0.1	µg/L	03-Apr-12	EPA200.8
Nickel	0.3	0.1	µg/L	03-Apr-12	EPA200.8
Rubidium	0.7	0.1	µg/L	03-Apr-12	EPA200.8
Selenium	< 0.3	0.3	µg/L	03-Apr-12	EPA200.8
Silver	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Strontium	114	0.1	µg/L	03-Apr-12	EPA200.8
Thallium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Titanium	0.1	0.1	µg/L	03-Apr-12	EPA200.8
Uranium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8
Vanadium	< 0.1	0.1	µg/L	03-Apr-12	EPA200.8

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Field Blank **Taiga Sample ID:** 005

Zinc	2.9	0.4	µg/L	03-Apr-12	EPA200.8	
Trace Metals, Ultra Low						
Mercury			ng/L		EPA 245.7	104
Subcontracted Nutrients						
Phosphorous, Total	0.010	0.003	mg/L	28-Mar-12	SM4500-P B,E	

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Taiga Batch No.: 120111

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Field Blank **Taiga Sample ID:** 005

- DATA QUALIFERS -

Data Qualifier Descriptions:

104 *Sample damaged/broken during shipment to laboratory; analysis not possible.*

*** Taiga analytical methods are based on the following standard analytical methods**

SM - Standard Methods for the Examination of Water and Wastewater

EPA - United States Environmental Protection Agency

ReportDate: Thursday, April 12, 2012
Print Date: Thursday, April 12, 2012

Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.: 120319

- FINAL REPORT -

Prepared For: Charter Community of Deline
Band Office

Address: P.O. Box 212
Deline, NT
X0E 0G0

Attn: **Greg Baptiste** **Facsimile: (867) 589-4106**

Final report has been reviewed and approved by:

Helene Harper

Helene Harper
Manager

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) as a testing laboratory for specific tests registered with CALA.
- Routine methods are based on recognized procedures from sources such as
  - Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF;
  - Environment Canada
  - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.

ReportDate: Friday, June 15, 2012
Print Date: Friday, June 15, 2012

Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.: 120319

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **Taiga Sample ID:** 001

Client Project: Decanting
Sample Type: Sewage
Received Date: 08-Jun-12
Sampling Date: 07-Jun-12
Sampling Time: 9:15
Location: Sewage Lagoon SNP 0555-03
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Physicals						
Chlorine, Total	0.12	0.01	mg/L	08-Jun-12	SM4500-Cl:G	3
Conductivity, Specific (@ 25°C)	398	0.4	µS/cm	08-Jun-12	SM2510:B	
Turbidity	34.5	0.05	NTU	08-Jun-12	SM2130:B	
Inorganics - Nutrients						
Ammonia as Nitrogen	18.7	0.01	mg/L	11-Jun-12	SM4500-NH3:	
Nitrogen, Total	30.3	0.06	mg/L	09-Jun-12	ISO/TR 11905	
Subcontracted Inorganics						
Silica, Reactive	3.8	0.1	mg/L	14-Jun-12	SM4500-SiO2	
Microbiology						
Coliforms, Fecal	800	100	CFU/100mL	08-Jun-12	SM9222:D	
Subcontracted Nutrients						
Phosphorous, Total	5.00	0.003	mg/L	14-Jun-12	SM4500-P B,E	

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Taiga Batch No.: 120319

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: 001

- DATA QUALIFERS -

Data Qualifier Descriptions:

3 *Holding time exceeded before receipt of sample*

*** Taiga analytical methods are based on the following standard analytical methods**

SM - Standard Methods for the Examination of Water and Wastewater

EPA - United States Environmental Protection Agency

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