

# Appendix C:

Sewage and Solid Waste Sample Results: 2013

Cambridge Bay Water Licence 3BM-CAM0914



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

**Taiga Batch No.:**  
**130421**

## **- PRELIMINARY REPORT -**

**Prepared For:** Hamlet of Cambridge Bay  
Municipal Works

**Address:** P.O. Box 16  
Cambridge Bay, NU  
X0B 0C0

**Attn:** Wayne Weese

**Facsimile:** (867) 983-2186

**Final report has been reviewed and approved by:**

**Judy Mah**  
**Client Service 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:**

Page 1 of 8

**Print Date:** Thursday, July 11, 2013



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

Taiga Batch No.:  
**130421**

## - CERTIFICATE OF ANALYSIS -

Client Sample ID: **CAM-3**

Taiga Sample ID: **001**

**Client Project:**

**Sample Type:** Sewage

**Received Date:** 26-Jun-13

**Sampling Date:** 25-Jun-20

**Sampling Time:** 9:30

**Location:** Cambridge Bay

**Report Status:** Preliminary

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b><u>Inorganics - Physicals</u></b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	301	0.4	mg/L	26-Jun-13	SM2320:B	
Conductivity, Specific (@ 25°C)	964	0.4	µS/cm	26-Jun-13	SM2510:B	
pH	7.53		pH units	26-Jun-13	SM4500-H:B	
Solids, Total Suspended	36	3	mg/L	27-Jun-13	SM2540:D	
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	31.5	0.005	mg/L	28-Jun-13	SM4500-NH <sub>3</sub> :	
Biochemical Oxygen Demand	30	2	mg/L	26-Jun-13	SM5210:B	
Organic Carbon, Total	51.6	0.5	mg/L	27-Jun-13	SM5310:B	
<b><u>Major Ions</u></b>						
Calcium	41.1	0.1	mg/L	26-Jun-13	SM4110:B	
Chloride	106	0.7	mg/L	26-Jun-13	SM4110:B	
Hardness	225	0.7	mg/L	26-Jun-13	SM2340:B	
Magnesium	29.8	0.1	mg/L	26-Jun-13	SM4110:B	
Nitrate as Nitrogen	< 0.01	0.01	mg/L	26-Jun-13	SM4110:B	

**ReportDate:**

Page 2 of 8

**Print Date:** Thursday, July 11, 2013



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Taiga Batch No.:  
**130421**

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **CAM-3**

Taiga Sample ID: **001**

Nitrite as Nitrogen	< 0.01	0.01	mg/L	26-Jun-13	SM4110:B
Potassium	18.1	0.1	mg/L	26-Jun-13	SM4110:B
Sodium	73.0	0.1	mg/L	26-Jun-13	SM4110:B
Sulphate	21	1	mg/L	26-Jun-13	SM4110:B

**Microbiology**

Coliforms, Fecal (other)	5300	100	CFU/100mL	26-Jun-13	SM9222:D
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**Organics**

Oil and Grease, visible	Non-visible			10-Jul-13	Visual Exam
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**Trace Metals, Total**

Aluminum	31	5	µg/L	06-Jul-13	EPA200.8
Arsenic	1.6	0.2	µg/L	06-Jul-13	EPA200.8
Cadmium	< 0.1	0.1	µg/L	06-Jul-13	EPA200.8
Chromium	0.5	0.1	µg/L	06-Jul-13	EPA200.8
Cobalt	0.4	0.1	µg/L	06-Jul-13	EPA200.8
Copper	29.3	0.2	µg/L	06-Jul-13	EPA200.8
Iron	827	5	µg/L	06-Jul-13	EPA200.8
Lead	0.4	0.1	µg/L	06-Jul-13	EPA200.8
Manganese	120	0.1	µg/L	06-Jul-13	EPA200.8
Mercury	< 0.01	0.01	µg/L	06-Jul-13	EPA200.8
Nickel	2.3	0.1	µg/L	06-Jul-13	EPA200.8
Zinc	14	5	µg/L	06-Jul-13	EPA200.8

**ReportDate:**

Page 3 of 8

**Print Date:** Thursday, July 11, 2013



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Taiga Batch No.:  
**130421**

## - CERTIFICATE OF ANALYSIS -

Client Sample ID: **CAM-4**

Taiga Sample ID: **002**

**Client Project:**

**Sample Type:** Wastewater

**Received Date:** 26-Jun-13

**Sampling Date:** 25-Jun-20

**Sampling Time:** 9:30

**Location:** Cambridge Bay

**Report Status:** Preliminary

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b><u>Inorganics - Physicals</u></b>						
pH	7.18		pH units	26-Jun-13	SM4500-H:B	
Solids, Total Suspended	114	3	mg/L	27-Jun-13	SM2540:D	
<b><u>Inorganics - Nutrients</u></b>						
Biochemical Oxygen Demand	294	2	mg/L	26-Jun-13	SM5210:B	
Phosphorous, Total			mg/L		SM4500-P:D	
<b><u>Major Ions</u></b>						
Chloride	265	0.7	mg/L	26-Jun-13	SM4110:B	
Fluoride	12.8	0.1	mg/L	26-Jun-13	SM4110:B	
Sulphate	1140	1	mg/L	26-Jun-13	SM4110:B	
<b><u>Organics</u></b>						
Hexane Extractable Material	2.2	2.0	mg/L	03-Jul-13	EPA1664A	
<b><u>Trace Metals, Total</u></b>						
Aluminum	176	5	µg/L	06-Jul-13	EPA200.8	
Arsenic	7.8	0.2	µg/L	06-Jul-13	EPA200.8	

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Taiga Batch No.:  
**130421**

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **CAM-4**

Taiga Sample ID: **002**

Barium	76.2	0.1	µg/L	06-Jul-13	EPA200.8
Cadmium	0.6	0.1	µg/L	06-Jul-13	EPA200.8
Chromium	6.2	0.1	µg/L	06-Jul-13	EPA200.8
Copper	69.0	0.2	µg/L	06-Jul-13	EPA200.8
Iron	25300	5	µg/L	06-Jul-13	EPA200.8
Lead	21.1	0.1	µg/L	06-Jul-13	EPA200.8
Mercury	0.06	0.01	µg/L	06-Jul-13	EPA200.8
Nickel	42.8	0.1	µg/L	06-Jul-13	EPA200.8
Silver	0.2	0.1	µg/L	06-Jul-13	EPA200.8
Tin	3.3	0.1	µg/L	06-Jul-13	EPA200.8
Zinc	455	5	µg/L	06-Jul-13	EPA200.8

**Subcontracted Organics**

Cyanide, Total	0.033	0.002	mg/L	28-Jun-13	EPA335.3
Phenols, Total	0.030	0.002	mg/L	03-Jul-13	APHA 5530D

**Subcontracted Nutrients**

Sulphide	4.60	0.005	mg/L	03-Jul-13	SM4500-S2-E
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ReportDate:

Page 5 of 8

Print Date: Thursday, July 11, 2013



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Taiga Batch No.:  
**130421**

## - CERTIFICATE OF ANALYSIS -

Client Sample ID: **CAM-5**

Taiga Sample ID: **003**

**Client Project:**

**Sample Type:** Sewage

**Received Date:** 26-Jun-13

**Sampling Date:** 25-Jun-20

**Sampling Time:** 9:30

**Location:** Cambridge Bay

**Report Status:** Preliminary

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b><u>Inorganics - Physicals</u></b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	215	0.4	mg/L	26-Jun-13	SM2320:B	
Conductivity, Specific (@ 25°C)	775	0.4	µS/cm	26-Jun-13	SM2510:B	
pH	9.12		pH units	26-Jun-13	SM4500-H:B	
Solids, Total Suspended	54	3	mg/L	27-Jun-13	SM2540:D	
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	< 0.005	0.005	mg/L	28-Jun-13	SM4500-NH3:	
Biochemical Oxygen Demand	33	2	mg/L	26-Jun-13	SM5210:B	
Organic Carbon, Total	54.2	0.5	mg/L	27-Jun-13	SM5310:B	
<b><u>Major Ions</u></b>						
Calcium	39.0	0.1	mg/L	26-Jun-13	SM4110:B	
Chloride	113	0.7	mg/L	26-Jun-13	SM4110:B	
Hardness	253	0.7	mg/L	26-Jun-13	SM2340:B	
Magnesium	37.7	0.1	mg/L	26-Jun-13	SM4110:B	
Nitrate as Nitrogen	< 0.01	0.01	mg/L	26-Jun-13	SM4110:B	
Nitrite as Nitrogen	< 0.01	0.01	mg/L	26-Jun-13	SM4110:B	

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Taiga Batch No.:  
**130421**

## - CERTIFICATE OF ANALYSIS -

Client Sample ID: **CAM-5**

Taiga Sample ID: **003**

Potassium	13.7	0.1	mg/L	26-Jun-13	SM4110:B
Sodium	72.1	0.1	mg/L	26-Jun-13	SM4110:B
Sulphate	35	1	mg/L	26-Jun-13	SM4110:B

### Microbiology

Coliforms, Fecal (other)	< 10	10	CFU/100mL	26-Jun-13	SM9222:D
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### Organics

Oil and Grease, visible	Non-visible			10-Jul-13	Visual Exam
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### Trace Metals, Total

Aluminum	83	5	µg/L	06-Jul-13	EPA200.8
Arsenic	3.0	0.2	µg/L	06-Jul-13	EPA200.8
Cadmium	< 0.1	0.1	µg/L	06-Jul-13	EPA200.8
Chromium	0.6	0.1	µg/L	06-Jul-13	EPA200.8
Cobalt	0.5	0.1	µg/L	06-Jul-13	EPA200.8
Copper	4.4	0.2	µg/L	06-Jul-13	EPA200.8
Iron	427	5	µg/L	06-Jul-13	EPA200.8
Lead	1.9	0.1	µg/L	06-Jul-13	EPA200.8
Manganese	40.3	0.1	µg/L	06-Jul-13	EPA200.8
Mercury	0.01	0.01	µg/L	06-Jul-13	EPA200.8
Nickel	3.6	0.1	µg/L	06-Jul-13	EPA200.8
Zinc	8	5	µg/L	06-Jul-13	EPA200.8

ReportDate:

Page 7 of 8

Print Date: Thursday, July 11, 2013





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**Taiga Batch No.:**  
**130421**

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**- CERTIFICATE OF ANALYSIS -**

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**Client Sample ID:** CAM-5

**Taiga Sample ID:** 003

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**\* 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:**

**Print Date:** Thursday, July 11, 2013

Page 8 of 8



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

**Taiga Batch No.:**  
**130610**

**- FINAL REPORT -**

**Prepared For:** Hamlet of Cambridge Bay  
Municipal Works

**Address:** P.O. Box 16  
Cambridge Bay, NU  
X0B 0C0

**Attn:** Wayne Weese

**Facsimile:** (867) 983-2186

**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:** Sunday, August 18, 2013  
**Print Date:** Sunday, August 18, 2013



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

**Taiga Batch No.:**  
**130610**

**- CERTIFICATE OF ANALYSIS -**

**Client Sample ID:** CAM-3

**Taiga Sample ID:** 001

**Client Project:** CAM 0813  
**Sample Type:** Water  
**Received Date:** 02-Aug-13  
**Sampling Date:** 01-Aug-13  
**Sampling Time:** 9:30  
**Location:** Cambridge Bay  
**Report Status:** Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Physicals</u></b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	232	0.4	mg/L	02-Aug-13	SM2320:B	
Conductivity, Specific (@ 25°C)	858	0.4	µS/cm	02-Aug-13	SM2510:B	
pH	8.78		pH units	02-Aug-13	SM4500-H:B	
Solids, Total Suspended	114	3	mg/L	06-Aug-13	SM2540:D	
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	0.388	0.005	mg/L	14-Aug-13	SM4500-NH <sub>3</sub> :	
Biochemical Oxygen Demand	45	2	mg/L	02-Aug-13	SM5210:B	6
Organic Carbon, Total	59.8	0.5	mg/L	14-Aug-13	SM5310:B	
<b><u>Major Ions</u></b>						
Calcium	45.4	0.1	mg/L	02-Aug-13	SM4110:B	
Chloride	118	0.7	mg/L	02-Aug-13	SM4110:B	
Hardness	252	0.7	mg/L	02-Aug-13	SM2340:B	
Magnesium	33.6	0.1	mg/L	02-Aug-13	SM4110:B	
Nitrate as Nitrogen	2.56	0.01	mg/L	02-Aug-13	SM4110:B	

**ReportDate:** Sunday, August 18, 2013  
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**Taiga Batch No.:**  
**130610**

**- CERTIFICATE OF ANALYSIS -**

**Client Sample ID: CAM-3**

**Taiga Sample ID: 001**

Nitrite as Nitrogen	0.34	0.01	mg/L	02-Aug-13	SM4110:B
Potassium	19.0	0.1	mg/L	02-Aug-13	SM4110:B
Sodium	81.9	0.1	mg/L	02-Aug-13	SM4110:B
Sulphate	24	1	mg/L	02-Aug-13	SM4110:B

**Microbiology**

Coliforms, Fecal (other)	1000	100	CFU/100mL	02-Aug-13	SM9222:D
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6

**Organics**

Oil and Grease, visible	Non-visible			14-Aug-13	Visual Exam
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**Trace Metals, Total**

Aluminum	77	5	µg/L	15-Aug-13	EPA200.8
Arsenic	2.2	0.2	µg/L	15-Aug-13	EPA200.8
Cadmium	< 0.1	0.1	µg/L	15-Aug-13	EPA200.8
Chromium	0.5	0.1	µg/L	15-Aug-13	EPA200.8
Cobalt	0.4	0.1	µg/L	15-Aug-13	EPA200.8
Copper	13.7	0.2	µg/L	15-Aug-13	EPA200.8
Iron	718	5	µg/L	15-Aug-13	EPA200.8
Lead	0.2	0.1	µg/L	15-Aug-13	EPA200.8
Manganese	98.7	0.1	µg/L	15-Aug-13	EPA200.8
Mercury	< 0.01	0.01	µg/L	15-Aug-13	EPA200.8
Nickel	2.5	0.1	µg/L	15-Aug-13	EPA200.8
Zinc	12	5	µg/L	15-Aug-13	EPA200.8

**ReportDate:** Sunday, August 18, 2013

Page 3 of 8

**Print Date:** Sunday, August 18, 2013



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Taiga Batch No.:  
**130610**

## - CERTIFICATE OF ANALYSIS -

Client Sample ID: **CAM-5**

Taiga Sample ID: **002**

Client Project: CAM 0813

Sample Type: Water

Received Date: 02-Aug-13

Sampling Date: 01-Aug-13

Sampling Time: 9:30

Location: Cambridge Bay

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Physicals</u></b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	236	0.4	mg/L	02-Aug-13	SM2320:B	
Conductivity, Specific (@ 25°C)	864	0.4	µS/cm	02-Aug-13	SM2510:B	
pH	9.41		pH units	02-Aug-13	SM4500-H:B	
Solids, Total Suspended	100	3	mg/L	06-Aug-13	SM2540:D	
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	0.104	0.005	mg/L	14-Aug-13	SM4500-NH <sub>3</sub> :	
Biochemical Oxygen Demand	52	2	mg/L	02-Aug-13	SM5210:B	6
Organic Carbon, Total	69.1	0.5	mg/L	14-Aug-13	SM5310:B	
Phosphorous, Dissolved	0.870	0.002	mg/L	10-Aug-13	SM4500-P:D	
Phosphorous, Total	2.66	0.002	mg/L	09-Aug-13	SM4500-P:D	
<b><u>Major Ions</u></b>						
Calcium	45.4	0.1	mg/L	02-Aug-13	SM4110:B	
Chloride	128	0.7	mg/L	02-Aug-13	SM4110:B	
Hardness	264	0.7	mg/L	02-Aug-13	SM2340:B	
Magnesium	36.5	0.1	mg/L	02-Aug-13	SM4110:B	

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Taiga Batch No.:  
**130610**

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **CAM-5**

Taiga Sample ID: **002**

Nitrate as Nitrogen	0.84	0.01	mg/L	02-Aug-13	SM4110:B
Nitrite as Nitrogen	0.54	0.01	mg/L	02-Aug-13	SM4110:B
Potassium	18.7	0.1	mg/L	02-Aug-13	SM4110:B
Sodium	87.9	0.1	mg/L	02-Aug-13	SM4110:B
Sulphate	32	1	mg/L	02-Aug-13	SM4110:B

**Microbiology**

Coliforms, Fecal (other)	< 10	10	CFU/100mL	02-Aug-13	SM9222:D
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6

**Organics**

Oil and Grease, visible	Non-visible			14-Aug-13	Visual Exam
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**Trace Metals, Total**

Aluminum	85	5	µg/L	15-Aug-13	EPA200.8
Arsenic	3.1	0.2	µg/L	15-Aug-13	EPA200.8
Cadmium	< 0.1	0.1	µg/L	15-Aug-13	EPA200.8
Chromium	0.5	0.1	µg/L	15-Aug-13	EPA200.8
Cobalt	0.5	0.1	µg/L	15-Aug-13	EPA200.8
Copper	11.1	0.2	µg/L	15-Aug-13	EPA200.8
Iron	918	5	µg/L	15-Aug-13	EPA200.8
Lead	0.8	0.1	µg/L	15-Aug-13	EPA200.8
Manganese	81.4	0.1	µg/L	15-Aug-13	EPA200.8
Mercury	< 0.01	0.01	µg/L	15-Aug-13	EPA200.8
Nickel	3.7	0.1	µg/L	15-Aug-13	EPA200.8
Zinc	12	5	µg/L	15-Aug-13	EPA200.8

**ReportDate:** Sunday, August 18, 2013

Page 5 of 8

**Print Date:** Sunday, August 18, 2013



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Taiga Batch No.:  
**130610**

## - CERTIFICATE OF ANALYSIS -

Client Sample ID: **CAM-6**

Taiga Sample ID: **003**

Client Project: CAM 0813

Sample Type: Water

Received Date: 02-Aug-13

Sampling Date: 01-Aug-13

Sampling Time: 9:30

Location: Cambridge Bay

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Physicals</u></b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	271	0.4	mg/L	02-Aug-13	SM2320:B	
Conductivity, Specific (@ 25°C)	979	0.4	µS/cm	02-Aug-13	SM2510:B	
pH	8.23		pH units	02-Aug-13	SM4500-H:B	
Solids, Total Suspended	50	3	mg/L	06-Aug-13	SM2540:D	
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	0.137	0.005	mg/L	14-Aug-13	SM4500-NH <sub>3</sub> :	
Biochemical Oxygen Demand	32	2	mg/L	02-Aug-13	SM5210:B	6
Organic Carbon, Total	57.6	0.5	mg/L	14-Aug-13	SM5310:B	
Phosphorous, Dissolved	1.15	0.002	mg/L	10-Aug-13	SM4500-P:D	
Phosphorous, Total	2.16	0.002	mg/L	09-Aug-13	SM4500-P:D	
<b><u>Major Ions</u></b>						
Calcium	53.6	0.1	mg/L	02-Aug-13	SM4110:B	
Chloride	128	0.7	mg/L	02-Aug-13	SM4110:B	
Hardness	308	0.7	mg/L	02-Aug-13	SM2340:B	
Magnesium	42.3	0.1	mg/L	02-Aug-13	SM4110:B	

ReportDate: Sunday, August 18, 2013

Print Date: Sunday, August 18, 2013



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

Taiga Batch No.:  
**130610**

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **CAM-6**

Taiga Sample ID: **003**

Nitrate as Nitrogen	0.21	0.01	mg/L	02-Aug-13	SM4110:B
Nitrite as Nitrogen	< 0.01	0.01	mg/L	02-Aug-13	SM4110:B
Potassium	17.0	0.1	mg/L	02-Aug-13	SM4110:B
Sodium	89.0	0.1	mg/L	02-Aug-13	SM4110:B
Sulphate	43	1	mg/L	02-Aug-13	SM4110:B

**Microbiology**

Coliforms, Fecal (other)	10	10	CFU/100mL	02-Aug-13	SM9222:D
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6

**Organics**

Oil and Grease, visible	Non-visible			14-Aug-13	Visual Exam
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**Trace Metals, Total**

Aluminum	26	5	µg/L	15-Aug-13	EPA200.8
Arsenic	4.0	0.2	µg/L	15-Aug-13	EPA200.8
Cadmium	< 0.1	0.1	µg/L	15-Aug-13	EPA200.8
Chromium	0.6	0.1	µg/L	15-Aug-13	EPA200.8
Cobalt	0.8	0.1	µg/L	15-Aug-13	EPA200.8
Copper	5.3	0.2	µg/L	15-Aug-13	EPA200.8
Iron	1140	5	µg/L	15-Aug-13	EPA200.8
Lead	0.2	0.1	µg/L	15-Aug-13	EPA200.8
Manganese	113	0.1	µg/L	15-Aug-13	EPA200.8
Mercury	< 0.01	0.01	µg/L	15-Aug-13	EPA200.8
Nickel	3.7	0.1	µg/L	15-Aug-13	EPA200.8
Zinc	5	5	µg/L	15-Aug-13	EPA200.8

**ReportDate:** Sunday, August 18, 2013

Page 7 of 8

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**- DATA QUALIFIERS -**

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*Data Qualifier Descriptions:*

**6**      *Sample received above the recommended temperature*

**\* 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:** Sunday, August 18, 2013

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Page 8 of 8