



Taiga Environmental Laboratory
4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9
Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:
180374

- FINAL REPORT -

Prepared For: Community Government of Wekweeti

Address: P.O. Box 69
Wekweeti, NT
X1A 1W0

Attn: SAO

Facsimile: (867) 713-2030

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) to ISO/IEC 17025 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, June 26, 2018

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Taiga Batch No.:
180374

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP 001-2**

Taiga Sample ID: **001**

Client Project: W2017L3-0001

Sample Type: Sewage

Received Date: 12-Jun-18

Sampling Date: 12-Jun-18

Sampling Time: 11:30

Location: Wekweeti

Report Status: **Final**

| Test Parameter | Result | Detection Limit | Units | Analysis Date | Analytical Method * | Qualifier |
|--------------------------------------|---------|-----------------|-----------|---------------|---------------------|-----------|
| <u>Inorganics - Nutrients</u> | | | | | | |
| Ammonia as Nitrogen | < 0.005 | 0.005 | mg/L | 20-Jun-18 | SM4500-NH3:G | |
| CBOD | 5 | 2 | mg/L | 13-Jun-18 | SM5210:B | 81 |
| <u>Inorganics - Physicals</u> | | | | | | |
| pH | 7.72 | | pH units | 12-Jun-18 | SM4500-H:B | |
| Solids, Total Suspended | < 3 | 3 | mg/L | 15-Jun-18 | SM2540:D | |
| <u>Microbiology</u> | | | | | | |
| Coliforms, Fecal | 30 | 10 | CFU/100mL | 13-Jun-18 | SM9222:D | |
| <u>Organics</u> | | | | | | |
| Hexane Extractable Material | < 2.0 | 2.0 | mg/L | 18-Jun-18 | EPA1664A | |
| <u>Trace Metals, Total</u> | | | | | | |
| Mercury | < 0.01 | 0.01 | µg/L | 19-Jun-18 | EPA200.8 | |

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Taiga Batch No.:
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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP 001-3**

Taiga Sample ID: **002**

Client Project: W2017L3-0001

Sample Type: Outflow

Received Date: 12-Jun-18

Sampling Date: 12-Jun-18

Sampling Time: 11:30

Location: Wekweeti

Report Status: **Final**

| Test Parameter | Result | Detection Limit | Units | Analysis Date | Analytical Method * | Qualifier |
|--------------------------------------|--------|-----------------|-----------|---------------|---------------------|-----------|
| <u>Inorganics - Nutrients</u> | | | | | | |
| Ammonia as Nitrogen | 0.016 | 0.005 | mg/L | 20-Jun-18 | SM4500-NH3:G | |
| CBOD | 3 | 2 | mg/L | 13-Jun-18 | SM5210:B | |
| <u>Inorganics - Physicals</u> | | | | | | |
| pH | 6.55 | | pH units | 12-Jun-18 | SM4500-H:B | |
| Solids, Total Suspended | 4 | 3 | mg/L | 15-Jun-18 | SM2540:D | |
| <u>Microbiology</u> | | | | | | |
| Coliforms, Fecal | 120 | 1 | CFU/100mL | 13-Jun-18 | SM9222:D | |
| <u>Organics</u> | | | | | | |
| Hexane Extractable Material | < 2.0 | 2.0 | mg/L | 25-Jun-18 | EPA1664A | |
| <u>Trace Metals, Total</u> | | | | | | |
| Mercury | < 0.01 | 0.01 | µg/L | 19-Jun-18 | EPA200.8 | |

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Taiga Batch No.:
180374

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP 001-4**

Taiga Sample ID: **003**

Client Project: W2017L3-0001

Sample Type: Runoff

Received Date: 12-Jun-18

Sampling Date: 12-Jun-18

Sampling Time: 11:30

Location: Wekweeti

Report Status: **Final**

| Test Parameter | Result | Detection Limit | Units | Analysis Date | Analytical Method * | Qualifer |
|--------------------------------------|--------|-----------------|----------|---------------|---------------------|----------|
| <u>Inorganics - Physicals</u> | | | | | | |
| pH | 7.34 | | pH units | 12-Jun-18 | SM4500-H:B | |
| Solids, Total Suspended | 14 | 3 | mg/L | 15-Jun-18 | SM2540:D | |
| <u>Trace Metals, Total</u> | | | | | | |
| Aluminum | 204 | 5 | µg/L | 19-Jun-18 | EPA200.8 | |
| Arsenic | 0.4 | 0.2 | µg/L | 19-Jun-18 | EPA200.8 | |
| Barium | 6.9 | 0.1 | µg/L | 19-Jun-18 | EPA200.8 | |
| Cadmium | < 0.1 | 0.1 | µg/L | 19-Jun-18 | EPA200.8 | |
| Chromium | 0.5 | 0.1 | µg/L | 19-Jun-18 | EPA200.8 | |
| Copper | 23.6 | 0.2 | µg/L | 19-Jun-18 | EPA200.8 | |
| Iron | 429 | 5 | µg/L | 19-Jun-18 | EPA200.8 | |
| Manganese | 51.3 | 0.1 | µg/L | 19-Jun-18 | EPA200.8 | |
| Mercury | < 0.01 | 0.01 | µg/L | 19-Jun-18 | EPA200.8 | |
| Molybdenum | 0.4 | 0.1 | µg/L | 19-Jun-18 | EPA200.8 | |
| Nickel | 1.8 | 0.1 | µg/L | 19-Jun-18 | EPA200.8 | |
| Selenium | < 0.5 | 0.5 | µg/L | 19-Jun-18 | EPA200.8 | |
| Strontium | 25.5 | 0.1 | µg/L | 19-Jun-18 | EPA200.8 | |

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Client Sample ID: **SNP 001-4**

Taiga Sample ID: **003**

| | | | | | |
|---------|------|-----|------|-----------|----------|
| Uranium | 0.6 | 0.1 | µg/L | 19-Jun-18 | EPA200.8 |
| Zinc | 19.4 | 5 | µg/L | 19-Jun-18 | EPA200.8 |

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Client Sample ID: **SNP 001-4**

Taiga Sample ID: **003**

- DATA QUALIFIERS -

Data Qualifier Descriptions:

81 *Results are inconclusive due to insufficient depletion of sample, minimum 2 mg/L required over 5 days.*

*** 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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