



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

Taiga Batch No.:
180953

- FINAL REPORT -

Prepared For: Community Government of Whati

Address: Box 71
Whati, NT
XOE 1P0

Attn: Lisa Nitsiza

Facsimile: (867) 573-3018

Final report has been reviewed and approved by:

Glen Hudy
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) 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: Friday, October 05, 2018

Print Date: *Saturday, October 06, 2018*

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Taiga Batch No.:
180953

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP 002-3**

Taiga Sample ID: **001**

Client Project: W2017L3-0002

Sample Type: LLM River

Received Date: 14-Sep-18

Sampling Date: 12-Sep-18

Sampling Time: 13:00

Location: 002-3

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	0.009	0.005	mg/L	15-Sep-18	SM4500-NH3:G	
Biochemical Oxygen Demand	6	2	mg/L	14-Sep-18	SM5210:B	
<u>Inorganics - Physicals</u>						
pH	7.31		pH units	14-Sep-18	SM4500-H:B	
Solids, Total Suspended	30	3	mg/L	18-Sep-18	SM2540:D	
<u>Microbiology</u>						
Coliforms, Fecal		1	CFU/100mL		SM9222:D	105
<u>Organics</u>						
Hexane Extractable Material	< 2.0	2.0	mg/L	24-Sep-18	EPA1664A	
<u>Trace Metals, Total</u>						
Aluminum	155	5	µg/L	04-Oct-18	EPA200.8	
Antimony	< 0.1	0.1	µg/L	04-Oct-18	EPA200.8	
Arsenic	1.1	0.2	µg/L	04-Oct-18	EPA200.8	
Barium	20.8	0.1	µg/L	04-Oct-18	EPA200.8	
Beryllium	< 0.1	0.1	µg/L	04-Oct-18	EPA200.8	

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Cadmium	< 0.1	0.1	µg/L	04-Oct-18	EPA200.8
Cesium	< 0.1	0.1	µg/L	04-Oct-18	EPA200.8
Chromium	0.3	0.1	µg/L	04-Oct-18	EPA200.8
Cobalt	0.5	0.1	µg/L	04-Oct-18	EPA200.8
Copper	0.9	0.2	µg/L	04-Oct-18	EPA200.8
Iron	2580	5	µg/L	04-Oct-18	EPA200.8
Lead	0.1	0.1	µg/L	04-Oct-18	EPA200.8
Lithium	4.2	0.2	µg/L	04-Oct-18	EPA200.8
Manganese	140	0.1	µg/L	04-Oct-18	EPA200.8
Mercury	< 0.01	0.01	µg/L	04-Oct-18	EPA200.8
Molybdenum	0.1	0.1	µg/L	04-Oct-18	EPA200.8
Nickel	0.6	0.1	µg/L	04-Oct-18	EPA200.8
Rubidium	0.8	0.1	µg/L	04-Oct-18	EPA200.8
Selenium	< 0.5	0.5	µg/L	04-Oct-18	EPA200.8
Silver	< 0.1	0.1	µg/L	04-Oct-18	EPA200.8
Strontium	48.3	0.1	µg/L	04-Oct-18	EPA200.8
Thallium	< 0.1	0.1	µg/L	04-Oct-18	EPA200.8
Titanium	5.3	0.1	µg/L	04-Oct-18	EPA200.8
Uranium	0.6	0.1	µg/L	04-Oct-18	EPA200.8
Vanadium	0.5	0.1	µg/L	04-Oct-18	EPA200.8
Zinc	< 5.0	5	µg/L	04-Oct-18	EPA200.8

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Taiga Batch No.:
180953

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP 002-2**

Taiga Sample ID: **002**

Client Project: W2017L3-0002

Sample Type: Waste

Received Date: 14-Sep-18

Sampling Date: 12-Sep-18

Sampling Time: 13:00

Location: 002-2

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	11.0	0.005	mg/L	15-Sep-18	SM4500-NH3:G	
Biochemical Oxygen Demand	92	2	mg/L	14-Sep-18	SM5210:B	
<u>Inorganics - Physicals</u>						
pH	7.82		pH units	14-Sep-18	SM4500-H:B	
Solids, Total Suspended	132	3	mg/L	18-Sep-18	SM2540:D	
<u>Microbiology</u>						
Coliforms, Fecal		1	CFU/100mL		SM9222:D	105
<u>Organics</u>						
Hexane Extractable Material	18.0	2.0	mg/L	24-Sep-18	EPA1664A	
<u>Trace Metals, Total</u>						
Aluminum	990	5	µg/L	04-Oct-18	EPA200.8	
Antimony	0.7	0.1	µg/L	04-Oct-18	EPA200.8	
Arsenic	0.6	0.2	µg/L	04-Oct-18	EPA200.8	
Barium	175	0.1	µg/L	04-Oct-18	EPA200.8	
Beryllium	< 0.1	0.1	µg/L	04-Oct-18	EPA200.8	
Cadmium	0.1	0.1	µg/L	04-Oct-18	EPA200.8	

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Taiga Sample ID: **002**

Cesium	0.2	0.1	µg/L	04-Oct-18	EPA200.8
Chromium	2.0	0.1	µg/L	04-Oct-18	EPA200.8
Cobalt	1.2	0.1	µg/L	04-Oct-18	EPA200.8
Copper	192	0.2	µg/L	04-Oct-18	EPA200.8
Iron	1220	5	µg/L	04-Oct-18	EPA200.8
Lead	1.5	0.1	µg/L	04-Oct-18	EPA200.8
Lithium	21.3	0.2	µg/L	04-Oct-18	EPA200.8
Manganese	139	0.1	µg/L	04-Oct-18	EPA200.8
Mercury	0.01	0.01	µg/L	04-Oct-18	EPA200.8
Molybdenum	0.7	0.1	µg/L	04-Oct-18	EPA200.8
Nickel	2.9	0.1	µg/L	04-Oct-18	EPA200.8
Rubidium	24.2	0.1	µg/L	04-Oct-18	EPA200.8
Selenium	0.6	0.5	µg/L	04-Oct-18	EPA200.8
Silver	0.1	0.1	µg/L	04-Oct-18	EPA200.8
Strontium	297	0.1	µg/L	04-Oct-18	EPA200.8
Thallium	< 0.1	0.1	µg/L	04-Oct-18	EPA200.8
Titanium	26.8	0.1	µg/L	04-Oct-18	EPA200.8
Uranium	0.3	0.1	µg/L	04-Oct-18	EPA200.8
Vanadium	1.4	0.1	µg/L	04-Oct-18	EPA200.8
Zinc	142	5	µg/L	04-Oct-18	EPA200.8

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- DATA QUALIFIERS -

Data Qualifier Descriptions:

105 *Samples received past hold time; 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

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