

From: [taiga](#)
To: [Susan Christie \(sao@fortprovidence.ca\)](mailto:sao@fortprovidence.ca); [Erica Janes](#); [Wendy Bidwell](#)
Subject: Emailing: 190342 - 1920 - FINAL REPORT, 190342 - 1920 - FINAL REPORT
Date: Wednesday, July 10, 2019 2:18:35 PM
Attachments: [190342 - 1920 - FINAL REPORT.pdf](#)
[190342 - 1920 - FINAL REPORT.xls](#)

Susan,

Please see attached for final report 190342.

Have a good day.

Mársi | Kinanaskomitin | Thank you | Merci | Hai' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi
Glen Hudy
Chemist, Quality Assurance
Water Resources
Environment and Natural Resources
Government of the Northwest Territories

Taiga Environmental Laboratory
PO Box 1320
Yellowknife, NT X1A 2L9

Phone: 867-767-9235 Ext. 53154
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Survey: <https://www.surveymonkey.com/r/TaigaLab>

Your message is ready to be sent with the following file or link attachments:

190342 - 1920 - FINAL REPORT
190342 - 1920 - FINAL REPORT

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

Taiga Batch No.:
190342

- FINAL REPORT -

Prepared For: Hamlet of Fort Providence

Address: General Delivery
Fort Providence, NT
X0E 0L0

Attn: Susan Christie

Facsimile: (867) 699-4624

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.

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Taiga Environmental Laboratory

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Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:
190342

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **1412-2**

Taiga Sample ID: **001**

Client Project:

Sample Type: Water

Received Date: 12-Jun-19

Sampling Date: 12-Jun-19

Sampling Time: 11:15

Location:

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	14.8	0.005	mg/L	18-Jun-19	SM4500-NH3:G	
CBOD	16	2	mg/L	12-Jun-19	SM5210:B	
Phosphorous, Total	6.30	0.002	mg/L	20-Jun-19	SM4500-P:D	
<u>Inorganics - Physicals</u>						
pH	8.70		pH units	13-Jun-19	SM4500-H:B	
Solids, Total Suspended	28	3	mg/L	18-Jun-19	SM2540:D	
<u>Major Ions</u>						
Nitrate as Nitrogen	0.15	0.01	mg/L	13-Jun-19	SM4110:B	
Nitrite as Nitrogen	0.08	0.01	mg/L	13-Jun-19	SM4110:B	
<u>Microbiology</u>						
Coliforms, Fecal	10	10	CFU/100mL	12-Jun-19	SM9222:D	
<u>Organics</u>						
Hexane Extractable Material	2.2	2.0	mg/L	17-Jun-19	EPA1664A	
<u>Subcontracted Organics</u>						
Phenols, Total	0.0015	0.001	mg/L	28-Jun-19	AB ENV.06537	

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Trace Metals, Total

Aluminum	43.7	5	µg/L	24-Jun-19	EPA200.8
Antimony	0.3	0.1	µg/L	24-Jun-19	EPA200.8
Arsenic	2.4	0.2	µg/L	24-Jun-19	EPA200.8
Barium	25.6	0.1	µg/L	24-Jun-19	EPA200.8
Beryllium	< 0.1	0.1	µg/L	24-Jun-19	EPA200.8
Cadmium	< 0.1	0.1	µg/L	24-Jun-19	EPA200.8
Cesium	< 0.1	0.1	µg/L	24-Jun-19	EPA200.8
Chromium	0.2	0.1	µg/L	24-Jun-19	EPA200.8
Cobalt	0.5	0.1	µg/L	24-Jun-19	EPA200.8
Copper	0.6	0.2	µg/L	24-Jun-19	EPA200.8
Iron	196	5	µg/L	24-Jun-19	EPA200.8
Lead	< 0.1	0.1	µg/L	24-Jun-19	EPA200.8
Lithium	16.0	0.2	µg/L	24-Jun-19	EPA200.8
Manganese	58.1	0.1	µg/L	24-Jun-19	EPA200.8
Molybdenum	0.5	0.1	µg/L	24-Jun-19	EPA200.8
Nickel	3.7	0.1	µg/L	24-Jun-19	EPA200.8
Rubidium	20.9	0.1	µg/L	24-Jun-19	EPA200.8
Selenium	< 0.5	0.5	µg/L	24-Jun-19	EPA200.8
Silver	< 0.1	0.1	µg/L	24-Jun-19	EPA200.8
Strontium	316	0.1	µg/L	24-Jun-19	EPA200.8
Thallium	< 0.1	0.1	µg/L	24-Jun-19	EPA200.8
Titanium	2.4	0.1	µg/L	24-Jun-19	EPA200.8
Uranium	0.2	0.1	µg/L	24-Jun-19	EPA200.8
Vanadium	0.4	0.1	µg/L	24-Jun-19	EPA200.8

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Zinc < 5.0 5 µg/L 24-Jun-19 EPA200.8

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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

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