

**From:** [taiga](#)  
**To:** [mgast@fortsimpson.com](mailto:mgast@fortsimpson.com); [Erica Janes](#); [Wendy Bidwell](#); [Joshua Gauthier](#)  
**Subject:** Emailing: 222387 - 2223 - FINAL REPORT, 222387 - 2223 - FINAL REPORT  
**Date:** Wednesday, December 14, 2022 3:53:17 PM  
**Attachments:** [222387 - 2223 - FINAL REPORT.pdf](#)  
[222387 - 2223 - FINAL REPORT.xls](#)

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Mitch,

Please see attached for final report 222387.

Have a good day.

Mársı | Kinanāskomitin | Thank you | Merci | Hai' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi  
Glen Hudy  
Chemist, Quality Assurance  
Environmental Protection and Waste Management  
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  
Fax: 867-920-8740  
[www.enr.gov.nt.ca](http://www.enr.gov.nt.ca)

Survey: <https://www.surveymonkey.com/r/TaigaLab>

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

222387 - 2223 - FINAL REPORT  
222387 - 2223 - FINAL REPORT

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.



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

**Taiga Batch No.:**  
**222387**

**- FINAL REPORT -**

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**Prepared For:** Village of Fort Simpson

**Address:** P.O. Box 438  
Fort Simpson, NT  
X0E 0N0

**Attn:** Mitch Gast

**Facsimile:** (867) 695-2005

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

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**Glen Hudy**  
**Quality Assurance Officer**

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**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:** December-14-22

**Print Date:** *December-14-22*



## Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9

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

Taiga Batch No.:  
**222387**

### - CERTIFICATE OF ANALYSIS -

Client Sample ID: **281122001**

Taiga Sample ID: **001**

**Client Project:**

**Sample Type:** Treated Wastewater

**Received Date:** 29-Nov-22

**Sampling Date:** 28-Nov-22

**Sampling Time:** 9:03

**Location:** Fort Simpson WWTP SNP 2015-2

**Report Status:** Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	42.0	0.005	mg/L	07-Dec-22	TEL068	
Biochemical Oxygen Demand	8	2	mg/L	30-Nov-22	TEL019	
CBOD	9	2	mg/L	30-Nov-22	TEL019	
Nitrogen, Total	46.7	0.06	mg/L	30-Nov-22	TEL066	
Phosphorous, Total	3.65	0.002	mg/L	08-Dec-22	TEL069	
<b><u>Inorganics - Physicals</u></b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	229	0.4	mg/L	29-Nov-22	TEL060	
pH	7.26		pH units	29-Nov-22	TEL058	
Solids, Total Suspended	8	3	mg/L	01-Dec-22	TEL008	
<b><u>Microbiology</u></b>						
Coliforms, Fecal	710	10	CFU/100mL	29-Nov-22	TEL017	208
<b><u>Organics</u></b>						
Hexane Extractable Material	2.1	2	mg/L	08-Dec-22	TEL072	
Oil and Grease, visible	Non-visible			30-Nov-22	Visual Exam	
<b><u>Subcontracted Inorganics</u></b>						

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Taiga Batch No.:

**222387**

## - CERTIFICATE OF ANALYSIS -

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Client Sample ID: **281122001**

Taiga Sample ID: **001**

Nitrate as Nitrogen	< 0.0250	0.025	mg/L	05-Dec-22	EPA300.1	<b>220</b>
Nitrite as N	0.0073	0.005	mg/L	05-Dec-22	EPA300.1	

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### - CERTIFICATE OF ANALYSIS -

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Client Sample ID: 281122001

Taiga Sample ID: 001

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### - DATA QUALIFIERS -

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*Data Qualifier Descriptions:*

- 208 *Unreliable: Matrix interference*
- 220 *Detection Limit Raised: Dilution required due to high dissolved solids/electrical conductivity.*

**\* 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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