



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

Taiga Batch No.:
212234

- FINAL REPORT -

Prepared For: Community Government of Behchoko

Address: P.O. Box 68
Behchoko, NT
X0E 0Y0

Attn: Peter Zoe

Facsimile: (867) 392-6967

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: November-22-21

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Taiga Batch No.:
212234

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **Rae Lagoon Cell #1**

Taiga Sample ID: **001**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 08-Nov-21

Sampling Date: 08-Nov-21

Sampling Time: 10:45

Location: Behchoko Rae

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	49.4	0.005	mg/L	19-Nov-21	TEL068	
Biochemical Oxygen Demand	16	2	mg/L	09-Nov-21	TEL019	
CBOD	16	2	mg/L	09-Nov-21	TEL019	
Ortho-Phosphate as Phosphorus	4.65	0.002	mg/L	10-Nov-21	TEL069	
Phosphorous, Dissolved	4.66	0.002	mg/L	18-Nov-21	TEL069	
Phosphorous, Total	5.20	0.002	mg/L	18-Nov-21	TEL069	
<u>Inorganics - Physicals</u>						
Alkalinity, Total (as CaCO ₃)	270	0.4	mg/L	08-Nov-21	TEL060	
Conductivity, Specific (@25C)	846	0.4	µS/cm	08-Nov-21	TEL059	
pH	7.61		pH units	08-Nov-21	TEL058	
Solids, Total Dissolved	354	10	mg/L	09-Nov-21	TEL009	
Solids, Total Suspended	20	3	mg/L	09-Nov-21	TEL008	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.03	0.01	mg/L	10-Nov-21	TEL055	
<u>Microbiology</u>						

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **Rae Lagoon Cell #1**

Taiga Sample ID: **001**

Coliforms, Fecal	160000	10000	CFU/100mL	08-Nov-21	TEL017
Coliforms, Total	8160000	10000	MPN/100ml	08-Nov-21	TEL053
Escherichia coli	178000	1000	MPN/100ml	08-Nov-21	TEL053

Organics

Hexane Extractable Material	< 2.0	2	mg/L	15-Nov-21	TEL072
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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **R3**

Taiga Sample ID: **002**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 08-Nov-21

Sampling Date: 08-Nov-21

Sampling Time: 10:45

Location: Behchoko Rae

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	1.34	0.005	mg/L	19-Nov-21	TEL068	
Biochemical Oxygen Demand	8	2	mg/L	09-Nov-21	TEL019	
CBOD	7	2	mg/L	09-Nov-21	TEL019	
Ortho-Phosphate as Phosphorus	3.81	0.002	mg/L	10-Nov-21	TEL069	
Phosphorous, Dissolved	3.93	0.002	mg/L	18-Nov-21	TEL069	
Phosphorous, Total	4.14	0.002	mg/L	18-Nov-21	TEL069	
<u>Inorganics - Physicals</u>						
Alkalinity, Total (as CaCO3)	137	0.4	mg/L	08-Nov-21	TEL060	
Conductivity, Specific (@25C)	514	0.4	µS/cm	08-Nov-21	TEL059	
pH	8.06		pH units	08-Nov-21	TEL058	
Solids, Total Dissolved	318	10	mg/L	09-Nov-21	TEL009	
Solids, Total Suspended	22	3	mg/L	09-Nov-21	TEL008	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.65	0.01	mg/L	10-Nov-21	TEL055	
<u>Microbiology</u>						
Coliforms, Fecal	108	1	CFU/100mL	08-Nov-21	TEL017	

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **R3**

Taiga Sample ID: **002**

Coliforms, Total	9800	10	MPN/100ml	08-Nov-21	TEL053
Escherichia coli	159	1	MPN/100ml	08-Nov-21	TEL053

Organics

Hexane Extractable Material	< 2.0	2	mg/L	15-Nov-21	TEL072
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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **R4**

Taiga Sample ID: **003**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 08-Nov-21

Sampling Date: 08-Nov-21

Sampling Time: 10:45

Location: Behchoko Rae

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	0.030	0.005	mg/L	19-Nov-21	TEL068	
Biochemical Oxygen Demand	< 2	2	mg/L	09-Nov-21	TEL019	
CBOD	< 2	2	mg/L	09-Nov-21	TEL019	
Ortho-Phosphate as Phosphorus	0.003	0.002	mg/L	10-Nov-21	TEL069	
Phosphorous, Dissolved	0.013	0.002	mg/L	18-Nov-21	TEL069	
Phosphorous, Total	0.026	0.002	mg/L	18-Nov-21	TEL069	
<u>Inorganics - Physicals</u>						
Alkalinity, Total (as CaCO3)	51.6	0.4	mg/L	08-Nov-21	TEL060	
Conductivity, Specific (@25C)	136	0.4	µS/cm	08-Nov-21	TEL059	
pH	6.91		pH units	08-Nov-21	TEL058	
Solids, Total Dissolved	114	10	mg/L	09-Nov-21	TEL009	
Solids, Total Suspended	< 3	3	mg/L	09-Nov-21	TEL008	
<u>Major Ions</u>						
Nitrate+Nitrite as Nitrogen	0.04	0.01	mg/L	10-Nov-21	TEL055	
<u>Microbiology</u>						
Coliforms, Fecal	8	1	CFU/100mL	08-Nov-21	TEL017	

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: R4

Taiga Sample ID: 003

Coliforms, Total	261	1	MPN/100ml	08-Nov-21	TEL053
Escherichia coli	10.9	1	MPN/100ml	08-Nov-21	TEL053

Organics

Hexane Extractable Material	< 2.0	2	mg/L	15-Nov-21	TEL072
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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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