



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

**Taiga Batch No.:**  
**210657**

**- FINAL REPORT -**

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**Prepared For:** Community Government of Behchoko

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

**Attn:** Galvin Simpson

**Facsimile:** (867) 392-6967

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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.

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## Taiga Environmental Laboratory

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

Taiga Batch No.:  
**210657**

### - CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP-Sample E4**

Taiga Sample ID: **001**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 25-May-21

Sampling Date: 25-May-21

Sampling Time:

Location:

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	1.97	0.005	mg/L	28-May-21	SM4500-NH3:G	
Biochemical Oxygen Demand	8	2	mg/L	26-May-21	SM5210:B	
CBOD	14	2	mg/L	26-May-21	SM5210:B	
Nitrogen, Dissolved	3.55	0.6	mg/L	27-May-21	ISO/TR 11905:1997(E)	
Nitrogen, Total	4.24	0.6	mg/L	27-May-21	ISO/TR 11905:1997(E)	
Ortho-Phosphate as Phosphorus	0.175	0.002	mg/L	28-May-21	SM4500-P:D	
Phosphorous, Dissolved	0.215	0.002	mg/L	28-May-21	SM4500-P:D	
Phosphorous, Total	0.312	0.002	mg/L	28-May-21	SM4500-P:D	
<b><u>Inorganics - Physicals</u></b>						
Conductivity, Specific (@25C)	203	0.4	µS/cm	25-May-21	SM2510:B	
pH	6.76		pH units	25-May-21	SM4500-H:B	
Solids, Total Dissolved	176	10	mg/L	27-May-21	SM2540:C	
Solids, Total Suspended	16	3	mg/L	27-May-21	SM2540:D	
<b><u>Major Ions</u></b>						

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Taiga Batch No.:

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### - CERTIFICATE OF ANALYSIS -

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Client Sample ID: **SNP-Sample E4**

Taiga Sample ID: **001**

Nitrate+Nitrite as Nitrogen	0.22	0.01	mg/L	26-May-21	SM4110:B
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#### Microbiology

Coliforms, Fecal	410	10	CFU/100mL	25-May-21	SM9222:D
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Coliforms, Total	8780	100	MPN/100ml	26-May-21	SM9223:B
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Escherichia coli	2160	100	MPN/100ml	26-May-21	SM9223:B
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Taiga Batch No.:  
**210657**

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **SNP-Sample E3**

Taiga Sample ID: **002**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 25-May-21

Sampling Date: 25-May-21

Sampling Time:

Location:

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	14.3	0.005	mg/L	28-May-21	SM4500-NH3:G	
Biochemical Oxygen Demand	46	2	mg/L	26-May-21	SM5210:B	55
CBOD	48	2	mg/L	26-May-21	SM5210:B	55
Nitrogen, Dissolved	18.3	0.6	mg/L	27-May-21	ISO/TR 11905:1997(E)	
Nitrogen, Total	27.3	0.6	mg/L	27-May-21	ISO/TR 11905:1997(E)	
Ortho-Phosphate as Phosphorus	0.463	0.002	mg/L	28-May-21	SM4500-P:D	
Phosphorous, Dissolved	0.518	0.002	mg/L	28-May-21	SM4500-P:D	
Phosphorous, Total	2.99	0.002	mg/L	28-May-21	SM4500-P:D	
<b><u>Inorganics - Physicals</u></b>						
Conductivity, Specific (@25C)	450	0.4	µS/cm	25-May-21	SM2510:B	
pH	7.27		pH units	25-May-21	SM4500-H:B	
Solids, Total Dissolved	290	10	mg/L	27-May-21	SM2540:C	
Solids, Total Suspended	302	3	mg/L	27-May-21	SM2540:D	
<b><u>Major Ions</u></b>						
Nitrate+Nitrite as Nitrogen	0.58	0.01	mg/L	26-May-21	SM4110:B	
<b><u>Microbiology</u></b>						

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### - CERTIFICATE OF ANALYSIS -

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Client Sample ID: **SNP-Sample E3**

Taiga Sample ID: **002**

Coliforms, Fecal	47000	1000	CFU/100mL	25-May-21	SM9222:D
Coliforms, Total	689000	1000	MPN/100ml	26-May-21	SM9223:B
Escherichia coli	102000	1000	MPN/100ml	26-May-21	SM9223:B

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Taiga Batch No.:  
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## - CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP-Sample E2**

Taiga Sample ID: **003**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 25-May-21

Sampling Date: 25-May-21

Sampling Time:

Location:

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	18.6	0.005	mg/L	28-May-21	SM4500-NH3:G	
Biochemical Oxygen Demand	251	2	mg/L	26-May-21	SM5210:B	55
CBOD	246	2	mg/L	26-May-21	SM5210:B	55
Nitrogen, Dissolved	29.2	0.6	mg/L	27-May-21	ISO/TR 11905:1997(E)	
Nitrogen, Total	45.0	0.6	mg/L	27-May-21	ISO/TR 11905:1997(E)	
Ortho-Phosphate as Phosphorus	2.51	0.002	mg/L	28-May-21	SM4500-P:D	
Phosphorous, Dissolved	3.05	0.002	mg/L	28-May-21	SM4500-P:D	
Phosphorous, Total	7.43	0.002	mg/L	28-May-21	SM4500-P:D	
<b><u>Inorganics - Physicals</u></b>						
Conductivity, Specific (@25C)	564	0.4	µS/cm	25-May-21	SM2510:B	
pH	7.13		pH units	25-May-21	SM4500-H:B	
Solids, Total Dissolved	695	10	mg/L	27-May-21	SM2540:C	
Solids, Total Suspended	780	3	mg/L	27-May-21	SM2540:D	
<b><u>Major Ions</u></b>						
Nitrate+Nitrite as Nitrogen	0.30	0.01	mg/L	26-May-21	SM4110:B	
<b><u>Microbiology</u></b>						

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### - CERTIFICATE OF ANALYSIS -

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**Client Sample ID: SNP-Sample E2**

**Taiga Sample ID: 003**

Coliforms, Fecal	540000	10000	CFU/100mL	25-May-21	SM9222:D
Coliforms, Total	1010000	1000	MPN/100ml	26-May-21	SM9223:B
Escherichia coli	914000	1000	MPN/100ml	26-May-21	SM9223:B

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**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **SNP Sample R4**

Taiga Sample ID: **004**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 25-May-21

Sampling Date: 25-May-21

Sampling Time:

Location:

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	0.506	0.005	mg/L	28-May-21	SM4500-NH3:G	
Biochemical Oxygen Demand	6	2	mg/L	26-May-21	SM5210:B	
CBOD	4	2	mg/L	26-May-21	SM5210:B	
Nitrogen, Dissolved	1.84	0.6	mg/L	27-May-21	ISO/TR 11905:1997(E)	
Nitrogen, Total	2.68	0.6	mg/L	27-May-21	ISO/TR 11905:1997(E)	
Ortho-Phosphate as Phosphorus	0.024	0.002	mg/L	28-May-21	SM4500-P:D	
Phosphorous, Dissolved	0.018	0.002	mg/L	28-May-21	SM4500-P:D	
Phosphorous, Total	0.158	0.002	mg/L	28-May-21	SM4500-P:D	
<b><u>Inorganics - Physicals</u></b>						
Conductivity, Specific (@25C)	95.8	0.4	µS/cm	25-May-21	SM2510:B	
pH	6.60		pH units	25-May-21	SM4500-H:B	
Solids, Total Dissolved	114	10	mg/L	27-May-21	SM2540:C	
Solids, Total Suspended	88	3	mg/L	27-May-21	SM2540:D	
<b><u>Major Ions</u></b>						
Nitrate+Nitrite as Nitrogen	0.01	0.01	mg/L	26-May-21	SM4110:B	
<b><u>Microbiology</u></b>						

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### - CERTIFICATE OF ANALYSIS -

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Client Sample ID: **SNP Sample R4**

Taiga Sample ID: **004**

Coliforms, Fecal	TNTC	1	CFU/100mL	25-May-21	SM9222:D	<b>86</b>
Coliforms, Total	14500	1000	MPN/100ml	26-May-21	SM9223:B	
Escherichia coli	< 1000	1000	MPN/100ml	26-May-21	SM9223:B	

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**210657**

## - CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP Sample R3**

Taiga Sample ID: **005**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 25-May-21

Sampling Date: 25-May-21

Sampling Time:

Location:

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	13.8	0.005	mg/L	28-May-21	SM4500-NH3:G	
Biochemical Oxygen Demand	21	2	mg/L	26-May-21	SM5210:B	55
CBOD	17	2	mg/L	26-May-21	SM5210:B	
Nitrogen, Dissolved	18.5	0.6	mg/L	27-May-21	ISO/TR 11905:1997(E)	
Nitrogen, Total	20.1	0.6	mg/L	27-May-21	ISO/TR 11905:1997(E)	
Ortho-Phosphate as Phosphorus	1.84	0.002	mg/L	28-May-21	SM4500-P:D	
Phosphorous, Dissolved	1.87	0.002	mg/L	28-May-21	SM4500-P:D	
Phosphorous, Total	2.42	0.002	mg/L	28-May-21	SM4500-P:D	
<b><u>Inorganics - Physicals</u></b>						
Conductivity, Specific (@25C)	339	0.4	µS/cm	25-May-21	SM2510:B	
pH	7.09		pH units	25-May-21	SM4500-H:B	
Solids, Total Dissolved	178	10	mg/L	27-May-21	SM2540:C	
Solids, Total Suspended	18	3	mg/L	27-May-21	SM2540:D	
<b><u>Major Ions</u></b>						
Nitrate+Nitrite as Nitrogen	0.22	0.01	mg/L	26-May-21	SM4110:B	
<b><u>Microbiology</u></b>						

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**Taiga Batch No.:**  
**210657**

## - CERTIFICATE OF ANALYSIS -

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**Client Sample ID: SNP Sample R3**

**Taiga Sample ID: 005**

Coliforms, Fecal	TNTC	1	CFU/100mL	25-May-21	SM9222:D	86
Coliforms, Total	43200	1000	MPN/100ml	26-May-21	SM9223:B	
Escherichia coli	2000	1000	MPN/100ml	26-May-21	SM9223:B	

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**- CERTIFICATE OF ANALYSIS -**

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Client Sample ID: **SNP Sample R3**

Taiga Sample ID: **005**

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**- DATA QUALIFIERS -**

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*Data Qualifier Descriptions:*

- 55 *BOD result is inconclusive; residual DO was less than 1 mg/L. For evaluation purposes only.*
- 86 *Too numerous to count. Unable to repeat analysis at higher dilution. Holding time exceeded.*

**\* 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