

Bijaya Adhikari

From: Philippe Thibert-Leduc <Philippe_Thibert-Leduc@gov.nt.ca>
Sent: Friday, May 13, 2016 3:03 PM
To: Mardy Semmler; Bijaya Adhikari
Cc: Stephen Charlie
Subject: Sampling results from May 5, 2016 ITH inspection
Attachments: Emailing: 160240 - 1617 - FINAL REPORT, 160240 - 1617 - FINAL REPORT

Hi Mardy and Bijaya,

Busy times on the ITH... I am trying to plan municipal Water Licence inspections!

During my last inspection on May 5, 2016 I collected samples at Zed Creek and Hans Creek. 2 samples at each location, one ~25 m upstream and one ~25 m downstream. I sent the samples to Taiga Labs to test for TSS. Here are the summarized results (see attached email for full lab report):

Client Sample ID	Sample Collect Date	Test Group Name	Coordinates	Parameter Name	
WP191DS (zed)	05-May-16	TSS	68°56'29.12"N, 133°24'52.24"W	Solids, Total Suspended	27
WP192US (zed)	05-May-16	TSS	68°56'29.77"N, 133°24'57.71"W	Solids, Total Suspended	3
WP193US (hans)	05-May-16	TSS	68°52'6.60"N, 133°32'24.10"W	Solids, Total Suspended	9
WP194DS (hans)	05-May-16	TSS	68°52'4.65"N, 133°32'25.08"W	Solids, Total Suspended	20

This is within Water Licence limits for TSS however I note a significant increase at both crossings from upstream to downstream. This will serve as baseline data for further sampling next week.

Please let me know if you have any questions.

Regards,

Philippe Thibert-Leduc

Water Resource Officer
Environment and Natural Resources
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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.:
160240

- FINAL REPORT -

Prepared For: GNWT - Environment and Natural Resources

Address: P.O. Box 2749
Inuvik, NT
X0E 0T0

Attn: Philippe Thibert-Leduc

Facsimile: (867) 678-6659

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: Thursday, May 12, 2016
Print Date: Thursday, May 12, 2016

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Taiga Batch No.:
160240

- CERTIFICATE OF ANALYSIS -

Client Sample ID: WP191DS

Taiga Sample ID: 001

Client Project:

Sample Type: Freshwater

Received Date: 06-May-16

Sampling Date: 05-May-16

Sampling Time: 15:00

Location: ITH North End

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Physicals</u>						
Solids, Total Suspended	27	3	mg/L	10-May-16	SM2540:D	

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Taiga Batch No.:
160240

- CERTIFICATE OF ANALYSIS -

Client Sample ID: WP192US

Taiga Sample ID: 002

Client Project:

Sample Type: Freshwater
Received Date: 06-May-16
Sampling Date: 05-May-16
Sampling Time: 15:00

Location: ITH North End

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Physicals</u>						
Solids, Total Suspended	< 3	3	mg/L	10-May-16	SM2540:D	

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Taiga Batch No.:
160240

- CERTIFICATE OF ANALYSIS -

Client Sample ID: WP193US

Taiga Sample ID: 003

Client Project:

Sample Type: Freshwater

Received Date: 06-May-16

Sampling Date: 05-May-16

Sampling Time: 15:00

Location: ITH North End

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Physicals</u>						
Solids, Total Suspended	9	3	mg/L	10-May-16	SM2540:D	

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Taiga Batch No:
160240

- CERTIFICATE OF ANALYSIS -

Client Sample ID: WP194DS

Taiga Sample ID: 004

Client Project:

Sample Type: Freshwater

Received Date: 06-May-16

Sampling Date: 05-May-16

Sampling Time: 15:00

Location: ITH North End

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Physicals</u>						
Solids, Total Suspended	20	3	mg/L	10-May-16	SM2540:D	

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

Taiga Batch No.:
160240

- CERTIFICATE OF ANALYSIS -

Client Sample ID: WP194DS

Taiga Sample ID: 004

* 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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