



TAIGA ENVIRONMENTAL LABORATORY
4601 - 52nd Ave., P.O. Box 1500, Yellowknife, NT X1A 2R3
Tel: (867) 669-2788 • Fax: (867) 669-2718



Send Results & Invoice to:
(Please notify if results & invoices are to be sent to different locations)

Company/Agency: _____

Address: _____

City/Town: _____ Territory: _____

Postal Code: _____

Phone: () _____

Fax: () _____

E-mail: _____

Client Project No.: _____

Date / Time Sampled: _____

Sampler: _____

Location: _____

Sample Type: wastewater/sewage/potable/freshwater
(circle one)

Add'l Sample Info: _____

Date Received: _____

By: _____

- WATER SAMPLES -

Client Sample ID

(As it should appear on final report)

Taiga Sample ID

Bottle Type Parameter

ROUTINE (GREEN)

☒ PLEASE CHECK TESTS REQUIRED BELOW:

pH, Conductivity, Alkalinity	pH	Cond	Alk	pH	Cond	Alk	pH	Cond	Alk	pH	Cond	Alk
Calcium, Magnesium, Hardness												
Sodium, Potassium												
Fluoride												
Reactive Silica												
Chloride, Sulphate	Cl		SO4	Cl		SO4	Cl		SO4	Cl		SO4
Colour												

NUTRIENTS (BLACK)

Turbidity												
Total Suspended Solids, Dissolved Solids	TSS		TDS	TSS		TDS	TSS		TDS	TSS		TDS
Nitrate + Nitrite												
Ammonia												
Phosphorus: Total, Dissolved, Ortho	TP	DP	OP	TP	DP	OP	TP	DP	OP	TP	DP	OP
Carbon: Total, Dissolved	TOC		DOC	TOC		DOC	TOC		DOC	TOC		DOC
BOD												

MICROBIOLOGICAL (STERILE CONTAINER)

Faecal Coliform (FC)									
Total Coliforms (TC), E. Coli. (EC)	TC		EC	TC		EC	TC		EC
Faecal Strep (FS)									
Standard Plate Count (SPC)									

METALS (RED)

Arsenic	Total	Diss.	Total	Diss.	Total	Diss.	Total	Diss.
ICP - MS(1): Cd, Cr, Cu, Co, Mn, Ni, Pb, Zn, Fe	Total	Diss.	Total	Diss.	Total	Diss.	Total	Diss.
ICP - MS(2): 25 element scan (not B or Sn)	Total	Diss.	Total	Diss.	Total	Diss.	Total	Diss.
Add'l Metals (please circle) Ag, Al, Ba, Be, Bi, B, Cd, Co, Cr, Cs, Cu, Fe, H, Li, Mn, Mo, Ni, Pb, Rb, Sb, Se, Sn, Sr, Ti, Tl, U, V, Zn	Total	Diss.	Total	Diss.	Total	Diss.	Total	Diss.
Mercury (ORANGE)	Total	Diss.	Total	Diss.	Total	Diss.	Total	Diss.

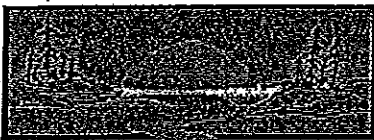
ORGANIC

Cyanide (BLUE)	Total	WAD	Total	WAD	Total	WAD	Total	WAD
Phenol (YELLOW)								
Oil & Grease (YELLOW)	VIS.	EXT.	VIS.	EXT.	VIS.	EXT.	VIS.	EXT.
THM / BTEX (vial)	THM	BTEX	THM	BTEX	THM	BTEX	THM	BTEX

Other: _____

SAMPLING INSTRUCTIONS

Parameter Group	Marking	Bottle Description	Preservative	Instructions
Routine	GREEN	500 or 750 mL plastic bottle	Keep cool at 4°C	Rinse bottle 3 times with sample, then fill to top and cap bottle.
Nutrients	BLACK	500 or 750 mL plastic bottle	Keep cool at 4°C	
Microbiological	STERILE	250 or 500 mL bottle containing sodium thiosulfate	Keep cool at 4°C	DO NOT RINSE bottle. Fill to near top and cap bottle.
Total Metals	RED	250 mL plastic bottle	5 mL of 1:3 nitric acid (<20% acid) in RED-dot vial	Rinse bottle 3 times with sample, then fill to near top. Add contents of preservative vial(s). Cap bottle and mix.
Mercury	ORANGE	150 mL glass bottle with black top or 250 mL teflon bottle	2 mL 1:1 sulphuric acid + 1 mL 5% potassium dichromate (per 125 mL sample) in ORANGE-dot vials	
Dissolved Metals	RED	250 mL plastic bottle	SEE INSTRUCTIONS	Rinse bottle 3 times with sample, then fill to near top. Filter in the field through a pre-rinsed 0.45 µ membrane filter, collecting filtrate in another 250 mL RED-dot bottle. Add RED-DOT preservative, cap and mix. <i>If unable to filter sample in the field DO NOT ADD PRESERVATIVE and label as "dissolved metals—unfiltered, unpreserved."</i>
Oil & Grease	YELLOW	1 L brown glass WIDE-mouthed bottle	4 mL 1:1 sulphuric acid in YELLOW-dot vial	DO NOT RINSE bottle. Fill to shoulder of bottle. Add contents of preservative vial. Cap bottle and mix.
Phenol	YELLOW	1 L brown glass NARROW-mouthed bottle	4 mL 1:1 sulphuric acid in YELLOW-dot vial	Rinse bottle 3 times with sample, then fill to near top. Add contents of preservative vial(s). Cap bottle and mix.
Cyanide	BLUE	500 mL brown plastic bottle	5 mL 10% sodium hydroxide in BLUE-dot vial	
Sulphide	PURPLE	250 mL plastic bottle	1 mL 6N zinc acetate + 3 mL 10% sodium hydroxide in PURPLE-dot vials	
Chlorine	PINK	250 mL plastic bottle	Keep cool at 4°C	Rinse bottle 3 times with sample, then fill to top, leaving NO air space/gap.
BTEX/Volatile Organics	WHITE	40 mL clear glass vial with white lid	Keep cool at 4°C	DO NOT rinse bottle. Fill bottle completely, leaving NO air space/gap.



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Tel: (867)-669-2788
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RECU/RECEIVED

12-08-2002

- CERTIFICATE OF ANALYSIS -

Prepared For: Commander Resources

Attn:

Sample ID: I16-001 after drilling

Taiga Sample ID: 221872

Client Project: Victoria I 9821

Sample Type: freshwater

Received Date: 05-Jul-02

Location: I16-001-Victoria Island

Sampling Date: 21-Jun-02

Report Status: Final

Approved by:

Test Parameter	Result	Units	Detection Limit	Analysis Date	Data Qualifier
Physicals					
Colour	10		5	16-Jul-02	2
Conductivity, Specific	186	µS/cm	0.3	12-Jul-02	2
pH	7.20	pH units	0.05	12-Jul-02	2
Solids, Total Suspended	3	mg/L	3	15-Jul-02	2
Turbidity	1.2	NTU	0.1	16-Jul-02	2
Nutrients					
Ammonia as N	0.018	mg/L	0.005	11-Jul-02	2
Chemical Oxygen Demand	<1	mg/L	1	09-Jul-02	2
Nitrate+Nitrite as N	0.010	mg/L	0.008	10-Jul-02	2
Phosphorous, Total	0.012	mg/L	0.004	09-Jul-02	2
Major Ions					
Calcium	23.2	mg/L	0.05	12-Jul-02	2
Hardness as CaCO ₃	71.1	mg/L	0.17	12-Jul-02	2
Magnesium	3.20	mg/L	0.02	12-Jul-02	2

Organic

Report Date: Thursday, August 01, 2002

Page 1 of 14



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- CERTIFICATE OF ANALYSIS -

Prepared For: Commander Resources

Attn:

Sample ID: I16-001 after drilling

Taiga Sample ID: 221872

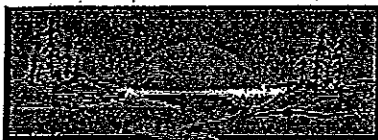
Oil and Grease (Visible)

non-vis

10-Jul-02 2

Data Qualifier Descriptions:

2 Holding time exceeded upon receipt of sample



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- CERTIFICATE OF ANALYSIS -

Prepared For: Commander Resources

Attn:

Sample ID: I16W-001 after drilling

Taiga Sample ID: 221873

Client Project: Victoria I 9821

Sample Type: freshwater

Received Date: 05-Jul-02

Location: I16-001-Victoria Island

Sampling Date: 19-Juni-02

Report Status: Final

Approved by:

Test Parameter	Result	Units	Detection Limit	Analysis Date	Data Qualifier
<u>Physicals</u>					
Colour	20		5	16-Jul-02	2
Conductivity, Specific	193	µS/cm	0.3	12-Jul-02	2
pH	8.16	pH units	0.05	12-Jul-02	2
Solids, Total Suspended	<3	mg/L	3	15-Jul-02	2
Turbidity	0.5	NTU	0.1	16-Jul-02	2
<u>Nutrients</u>					
Ammonia as N	0.029	mg/L	0.005	11-Jul-02	2
Chemical Oxygen Demand	15	mg/L	1	09-Jul-02	2
Nitrate+Nitrite as N	<0.008	mg/L	0.008	10-Jul-02	2
Phosphorous, Total	0.031	mg/L	0.004	09-Jul-02	2
<u>Major Ions</u>					
Calcium	20.0	mg/L	0.05	12-Jul-02	2
Hardness as CaCO3	90.4	mg/L	0.17	12-Jul-02	2
Magnesium	9.82	mg/L	0.02	12-Jul-02	2
<u>Organic</u>					



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- CERTIFICATE OF ANALYSIS -

Prepared For: Commander Resources

Attn:

Sample ID: I16W-001 after drilling

Taiga Sample ID: 221873

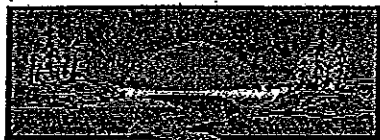
Oil and Grease (Visible)

non-vis

10-Jul-02 2

Data Qualifier Descriptions:

- 2 Holding time exceeded upon receipt of sample



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- CERTIFICATE OF ANALYSIS -

Prepared For: Commander Resources

Attn:

Sample ID: I16W-002 after drilling

Taiga Sample ID: 221874

Client Project: Victoria I 9821

Sample Type: freshwater

Received Date: 05-Jul-02

Location: I16-001-Victoria Island

Sampling Date: 19-Jun-02

Report Status: Final

Approved by:

Test Parameter	Result	Units	Detection Limit	Analysis Date	Data Qualifier
<u>Physicals</u>					
Colour	20		5	16-Jul-02	2
Conductivity, Specific	183	µS/cm	0.3	16-Jul-02	2
pH	7.44	pH units	0.05	16-Jul-02	2
Solids, Total Suspended	5	mg/L	3	15-Jul-02	2
Turbidity	0.3	NTU	0.1	16-Jul-02	2
<u>Nutrients</u>					
Ammonia as N	0.029	mg/L	0.005	11-Jul-02	2
Chemical Oxygen Demand	20	mg/L	1	09-Jul-02	2
Nitrate+Nitrite as N	<0.008	mg/L	0.008	10-Jul-02	2
Phosphorous, Total	0.009	mg/L	0.004	09-Jul-02	2
<u>Major Ions</u>					
Calcium	19.0	mg/L	0.05	12-Jul-02	2
Hardness as CaCO ₃	87.6	mg/L	0.17	12-Jul-02	2
Magnesium	9.73	mg/L	0.02	12-Jul-02	2
<u>Organic</u>					



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- CERTIFICATE OF ANALYSIS -

Prepared For: Commander Resources

Attn:

Sample ID: I16W-002 after drilling

Taiga Sample ID: 221874

Oil and Grease (Visible)

non-vis

10-Jul-02 2

Data Qualifier Descriptions:

- 2 Holding time exceeded upon receipt of sample



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- CERTIFICATE OF ANALYSIS -

Prepared For: Commander Resources

Attn:

Sample ID: A5 South before drilling

Taiga Sample ID: 221875

Client Project: Victoria I 9821

Sample Type: freshwater

Received Date: 05-Jul-02

Location: I16-001-Victoria Island

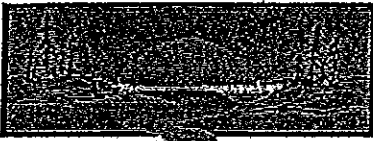
Sampling Date: 21-Jun-02

Report Status: Final

Approved by:

Test Parameter	Result	Units	Detection Limit	Analysis Date	Data Qualifier
Physicals					
Colour	5		5	16-Jul-02	2
Conductivity, Specific	76.5	µS/cm	0.3	16-Jul-02	2
pH	7.34	pH units	0.05	16-Jul-02	2
Solids, Total Suspended	<8	mg/L	3	15-Jul-02	2
Turbidity	0.4	NTU	0.1	16-Jul-02	2
Nutrients					
Ammonia as N	0.027	mg/L	0.005	11-Jul-02	2
Chemical Oxygen Demand	<1	mg/L	1	09-Jul-02	2
Nitrate+Nitrite as N	<0.008	mg/L	0.008	10-Jul-02	2
Phosphorous, Total	0.025	mg/L	0.004	09-Jul-02	2
Major Ions					
Calcium	7.44	mg/L	0.05	18-Jul-02	2
Hardness as CaCO ₃	39.8	mg/L	0.17	18-Jul-02	2
Magnesium	5.16	mg/L	0.02	18-Jul-02	2

Organic



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- CERTIFICATE OF ANALYSIS -

Prepared For: Commander Resources

Attn:

Sample ID: A5 South before drilling

Taiga Sample ID: 221875

Oil and Grease (Visible)

non-vis

10-Jul-02 2

Data Qualifier Descriptions:

2 Holding time exceeded upon receipt of sample



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- CERTIFICATE OF ANALYSIS -

Prepared For: Commander Resources

Attn:

Sample ID: A5 South-001 after drilling

Taiga Sample ID: 221876

Client Project: Victoria I 9821

Sample Type: freshwater

Received Date: 05-Jul-02

Location: I16-001-Victoria Island

Sampling Date: 27-Jun-02

Report Status: Final

Approved by:

Test Parameter	Result	Units	Detection Limit	Analysis Date	Data Qualifier
Physicals					
Colour	20		5	16-Jul-02	2
Conductivity, Specific	107	µS/cm	0.3	16-Jul-02	2
pH	7.51	pH units	0.05	16-Jul-02	2
Solids, Total Suspended	5	mg/L	3	15-Jul-02	2
Turbidity	1.2	NTU	0.1	16-Jul-02	2
Nutrients					
Ammonia as N	0.014	mg/L	0.005	11-Jul-02	2
Chemical Oxygen Demand	10	mg/L	1	09-Jul-02	2
Nitrate+Nitrite as N	<0.008	mg/L	0.008	10-Jul-02	2
Phosphorous, Total	0.033	mg/L	0.004	09-Jul-02	2
Major Ions					
Calcium	11.9	mg/L	0.05	12-Jul-02	2
Hardness as CaCO ₃	57.7	mg/L	0.17	12-Jul-02	2
Magnesium	6.81	mg/L	0.02	12-Jul-02	2
Organic					



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- CERTIFICATE OF ANALYSIS -

Prepared For: Commander Resources

Attn:

Sample ID: A5 South-001 after drilling

Taiga Sample ID: 221876

Oil and Grease (Visible)

non-vis

10-Jul-02 2

Data Qualifier Descriptions:

2 Holding time exceeded upon receipt of sample



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- CERTIFICATE OF ANALYSIS -

Prepared For: Commander Resources

Attn:

Sample ID: I16W before drilling

Taiga Sample ID: 221877

Client Project: Victoria I 9821

Sample Type: freshwater

Received Date: 05-Jul-02

Location: I16-001-Victoria Island

Sampling Date: 14-Jun-02

Report Status: Final

Approved by:

Test Parameter	Result	Units	Detection Limit	Analysis Date	Data Qualifier
<u>Physicals</u>					
Colour	10		5	16-Jul-02	2
Conductivity, Specific	45.1	µS/cm	0.3	16-Jul-02	2
pH	6.99	pH units	0.05	16-Jul-02	2
Solids, Total Suspended	8	mg/L	3	15-Jul-02	2
Turbidity	0.4	NTU	0.1	16-Jul-02	2
<u>Nutrients</u>					
Ammonia as N	0.005	mg/L	0.005	11-Jul-02	2
Chemical Oxygen Demand	10	mg/L	1	09-Jul-02	2
Nitrate+Nitrite as N	0.014	mg/L	0.008	10-Jul-02	2
Phosphorous, Total	0.013	mg/L	0.004	09-Jul-02	2
<u>Major Ions</u>					
Calcium	3.57	mg/L	0.05	12-Jul-02	2
Hardness as CaCO ₃	21.4	mg/L	0.17	12-Jul-02	2
Magnesium	3.04	mg/L	0.02	12-Jul-02	2

Organic

Report Date: Thursday, August 01, 2002

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- CERTIFICATE OF ANALYSIS -

Prepared For: Commander Resources

Attn:

Sample ID: I16W before drilling

Taiga Sample ID: 221877

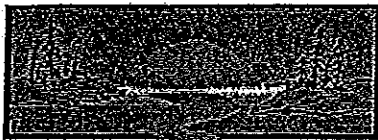
Oil and Grease (Visible)

non-vis

10-Jul-02 2

Data Qualifier Descriptions:

2 Holding time exceeded upon receipt of sample



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- CERTIFICATE OF ANALYSIS -

Prepared For: Commander Resources

Attn:

Sample ID: I16 before drilling

Taiga Sample ID: 221878

Client Project: Victoria I 9821

Sample Type: freshwater

Received Date: 05-Jul-02

Location: I16-001-Victoria Island

Sampling Date: 07-Jun-02

Report Status: Final

Approved by:

Test Parameter	Result	Units	Detection Limit	Analysis Date	Data Qualifier
Physicals					
Colour	20		5	16-Jul-02	2
Conductivity, Specific	195	µS/cm	0.3	16-Jul-02	2
pH	7.79	pH units	0.05	16-Jul-02	2
Solids, Total Suspended	<3	mg/L	3	15-Jul-02	2
Turbidity	0.4	NTU	0.1	16-Jul-02	2
Nutrients					
Ammonia as N	0.061	mg/L	0.005	11-Jul-02	2
Chemical Oxygen Demand	10	mg/L	1	09-Jul-02	2
Nitrate+Nitrite as N	<0.008	mg/L	0.008	10-Jul-02	2
Phosphorous, Total	0.008	mg/L	0.004	09-Jul-02	2
Major Ions					
Calcium	17.6	mg/L	0.05	12-Jul-02	2
Hardness as CaCO ₃	101	mg/L	0.17	12-Jul-02	2
Magnesium	13.8	mg/L	0.02	12-Jul-02	2

Organic



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- CERTIFICATE OF ANALYSIS -

Prepared For: Commander Resources

Attn:

Sample ID: I16 before drilling

Taiga Sample ID: 221878

Oil and Grease (Visible)

non-vis

10-Jul-02 2

Data Qualifier Descriptions:

2 Holding time exceeded upon receipt of sample

**UP AND DOWNSTREAM WATER SAMPLE
RESULTS – TUKTU CAMP AREA**



INDIAN & NORTHERN AFFAIRS CANADA

FACSIMILE MESSAGE

TO: Graham Gill
COMPANY: Diamonds North
FAX: ~~(867) 777-3361~~ (604) 484-7143

OUR FILE #: N2002C0023
DATE: November 25, 2004

SENDER: Kevin R. Glowa # of PAGES: 8 (incl. cov.)
RE: TAKTU RIVER WATER SAMPLE RESULTS

As discussed attached are the requested Water Sample Results taken in 2003 and 2004.

Any Question please feel free to give me a call.

Kevin

Kevin R. Glowa, Water Resources Officer
Indian and Northern Affairs Canada
P.O. Box 2100, Inuvik, NT X0E-0T0,
Direct: (867) 777-3662 Office General: (867)-777-3361, Fax: (867)-777-2090
E-mail: glowak@inac.gc.ca

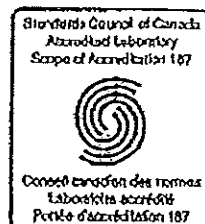
This facsimile message has been sent to the above recipient(s), and may contain confidential information. If you have received it in error or if there are problems with the transmission, please notify the sender, as identified above.



Taiga Environmental Laboratory

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- FINAL REPORT -

Prepared For: Inuvik District Office
DIAND, Operations

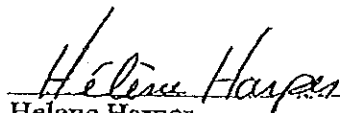
Address: Box 2100
Inuvik, NT
X0E 0T0

*Diamonds North
Looks good.*

Attn: Kevin Glowak

Facimile: (867) 777-2090

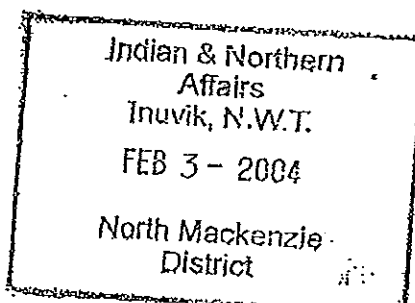
Final report has been reviewed and approved by:


Helene Harper
Client Services Officer

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Standards Council of Canada (SCC) as a testing laboratory for specific tests registered with the Council.
- 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.

Report Date: Tuesday, January 27, 2004



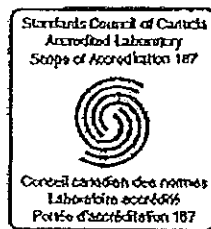
Page 1 of 12



Taiga Environmental Laboratory

4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3

Tel: (867)-669-2788 Fax: (867)-669-2718



- CERTIFICATE OF ANALYSIS -

Client Sample ID: CAMP *Diamonds North*

Taiga Sample ID: 232803

Client Project:

Sample Type: wastewater

Received Date: 21-Aug-03

Sampling Date: 18-Aug-03

Location: Holman

Report Status: FINAL

all looks good

Approved By

Helene Harper

Helene Harper

Client Services Officer

Test Parameter	Result	Detection Limit	Analysis Date	Analytical Method *	Qualifier
<u>Physicals</u>					
Alkalinity	114 mg/L	0.3 mg/L	26-Aug-03	SM2320:B	
Conductivity, Specific (25 C)	219 µS/cm	0.3 µS/cm	25-Aug-03	SM2510:B	
pH	8.30 pH units	0.03 pH units	25-Aug-03	SM4500-H:B	
Solids, Total Suspended	< 3 mg/L	3 mg/L	25-Aug-03	SM2540:D	
Turbidity	7.2 NTU	0.1 NTU	08-Sep-03	SM2130:B	
<u>Nutrients</u>					
Ammonia as N	0.000 mg/L	0.005 mg/L	29-Aug-03	SM4500-NH3:G	
Biological Oxygen Demand	mg/L	mg/L		SM5210:B	2
Phosphorous, Total	0.010 mg/L	0.004 mg/L	08-Sep-03	SM4500-P:D	
<u>Major Ions</u>					
Calcium	25.6 mg/L	0.05 mg/L	25-Aug-03	SM3111:B	
Chloride	2.0 mg/L	0.2 mg/L	28-Aug-03	SM4500-Cl:E	
Magnesium	14.3 mg/L	0.02 mg/L	25-Aug-03	SM3111:B	



Taiga Environmental Laboratory

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Tel: (867)-669-2788 Fax: (867)-669-2718

Standards Council of Canada
Accredited Laboratory
Scope of Accreditation 187



Conseil canadien des normes
Laboratoire accrédité
Portée d'accréditation 187

TM

- CERTIFICATE OF ANALYSIS -

Client Sample ID: CAMP

Taiga Sample ID: 232803

Potassium	0.41 mg/L	0.03 mg/L	26-Aug-03	SM3500-K:D
Sodium	0.88 mg/L	0.02 mg/L	25-Aug-03	SM3500-Na:D
Sulphate	3 mg/L	3 mg/L	26-Aug-03	SM4500-SO4:F

* 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

- DATA QUALIFIERS -

Data Qualifier Descriptions:

2 Holding time exceeded upon receipt of sample

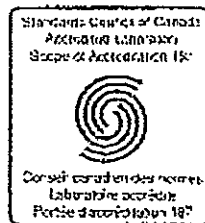
Taktu (Diamonds Write)



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- FINAL REPORT -

Prepared For: Water Resources - Inuvik
DIAND

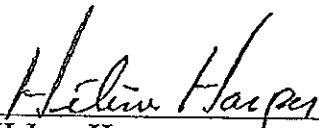
Address: Box 2100
Inuvik, NT
X0E 0T0

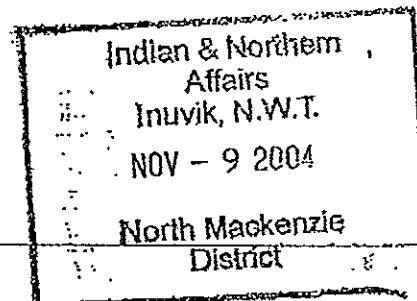
Attn: Kevin Glowa

Facimile: (867) 777-2090

Taktu - Sample Taken from River
to East of Comp.

Final report has been reviewed and approved by:


Helene Harper
Client Services Officer



NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Standards Council of Canada (SCC) as a testing laboratory for specific tests registered with the Council.
- 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.

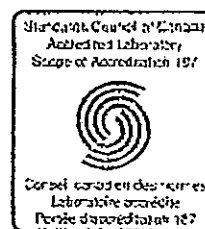
Report Date: Thursday, November 04, 2004

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: Taktu

Taiga Sample ID: 242529

Client Project:
Sample Type: Unknown Water
Received Date: 31-Aug-04
Sampling Date: 28-Aug-04
Location: Taktu/Johnson Pt.

Approved By Helene Harper
Helene Harper
Client Services Officer

Report Status: FINAL

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Physicals</u>						
Conductivity, Specific	192	0.3	µS/cm	01-Sep-04	SM2510:B	
pH	8.11	0.05	pH units	01-Sep-04	SM4500-YLB	
Solids, Total Dissolved	102	10	mg/L	12-Sep-04	SM2540:C	
<u>Nutrients</u>						
Ammonia as N	< 0.005	0.005	mg/L	07-Sep-04	SM4500-NH3:G	
Nitrate+Nitrite as Nitrogen	< 0.01	0.01	mg/L	09-Sep-04	SM4110:B	
<u>Major Ions</u>						
Calcium	22.7	0.1	mg/L	09-Sep-04	SM4110:B	
Magnesium	12.4	0.1	mg/L	09-Sep-04	SM4110:B	
Potassium	0.3	0.1	mg/L	09-Sep-04	SM4110:B	
Sodium	0.8	0.1	mg/L	09-Sep-04	SM4110:B	
Sulphate	2	1	mg/L	09-Sep-04	SM4110:B	

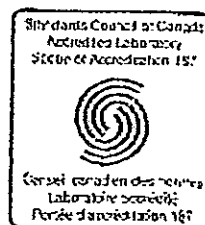
Subcontracted Routine/Nutrients

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- CERTIFICATE OF ANALYSIS -

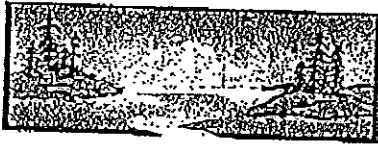
Client Sample ID: Taktu

Taiga Sample ID: 242529

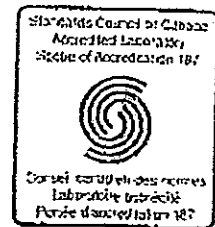
Phosphorous, Total	< 0.05	0.05	mg/L	08-Sep-04	SM4500-P;D
<u>Metals, Total</u>					
Aluminum	33	30	µg/L	13-Sep-04	EPA200.8
Antimony	0.2	0.1	µg/L	13-Sep-04	EPA200.8
Barium	8.8	0.1	µg/L	13-Sep-04	EPA200.8
Beryllium	< 0.1	0.1	µg/L	13-Sep-04	EPA200.8
Cadmium	< 0.1	0.1	µg/L	13-Sep-04	EPA200.8
Cesium	< 0.1	0.1	µg/L	13-Sep-04	EPA200.8
Chromium	1.4	0.3	µg/L	13-Sep-04	EPA200.8
Cobalt	< 0.1	0.1	µg/L	13-Sep-04	EPA200.8
Copper	0.8	0.3	µg/L	13-Sep-04	EPA200.8
Iron	69	50	µg/L	13-Sep-04	SM3111:B
Lead	< 0.1	0.1	µg/L	13-Sep-04	EPA200.8
Lithium	0.5	0.3	µg/L	13-Sep-04	EPA200.8
Manganese	2.1	0.1	µg/L	13-Sep-04	EPA200.8
Molybdenum	0.1	0.1	µg/L	13-Sep-04	EPA200.8
Nickel	0.5	0.1	µg/L	13-Sep-04	EPA200.8
Rubidium	0.2	0.1	µg/L	13-Sep-04	EPA200.8
Selenium	< 1	1	µg/L	13-Sep-04	EPA200.8
Silver	< 0.1	0.1	µg/L	13-Sep-04	EPA200.8
Strontium	13.5	0.1	µg/L	13-Sep-04	EPA200.8

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: Taktu

Taiga Sample ID: 242529

Thallium	< 0.1	0.1	µg/L	13-Sep-04	BPA200.8
Titanium	0.9	0.1	µg/L	13-Sep-04	HPA200.8
Uranium	0.2	0.1	µg/L	13-Sep-04	EPA200.8
Vanadium	< 0.1	0.1	µg/L	13-Sep-04	HPA200.8
Zinc	< 10	10	µg/L	13-Sep-04	EPA200.8

Report Date: Thursday, November 04, 2004

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