



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

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

- CERTIFICATE OF ANALYSIS -

Prepared For: DIAND WR

Attn: Scott Stewart

Sample ID: Pot CAP-1

Taiga Sample ID: 232263

Client Project:

Sample Type: potable water

Received Date: 24-Jul-03

Location: Cape Dorset NU

Sampling Date: 21-Jul-03

Report Status: Final

Approved by:

Test Parameter	Result	Units	Detection Limit	Analysis Date
<u>Physicals</u>				
Alkalinity	8.3	mg/L	0.3	29-Jul-03
Colour	<5		5	24-Jul-03
Conductivity, Specific	46.0	µS/cm	0.3	29-Jul-03
pH	6.91	pH units	0.05	29-Jul-03
Solids, Total Suspended	<3	mg/L	3	28-Jul-03
Turbidity	1.0	NTU	0.1	31-Jul-03
<u>Nutrients</u>				
Ammonia as N	<0.005	mg/L	0.005	31-Jul-03
Nitrate+Nitrite as N	<0.008	mg/L	0.008	05-Aug-03
Phosphorous, Total	0.002	mg/L	0.002	31-Jul-03
<u>Major Ions</u>				
Calcium	2.52	mg/L	0.05	24-Jul-03
Chloride	6.6	mg/L	0.2	25-Jul-03
Fluoride	<0.03	mg/L	0.03	05-Aug-03



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Sample ID: Pot CAP-1

Taiga Sample ID: 232263

Hardness as CaCO ₃	9.01	mg/L	0.17	24-Jul-03
Magnesium	0.66	mg/L	0.02	24-Jul-03
Potassium	0.29	mg/L	0.03	24-Jul-03
Silica, Reactive	0.18	mg/L	0.02	11-Aug-03
Sodium	3.74	mg/L	0.02	24-Jul-03
Sulphate	< 3	mg/L	3	01-Aug-03

Metals, Total

Arsenic	< 1	µg/L	1	24-Jul-03
Cadmium	< 0.1	µg/L	0.1	19-Oct-03
Chromium	< 0.3	µg/L	0.3	19-Oct-03
Cobalt	< 0.1	µg/L	0.1	19-Oct-03
Copper	1.4	µg/L	0.2	19-Oct-03
Iron	< 30	µg/L	30	18-Aug-03
Lead	0.1	µg/L	0.1	19-Oct-03
Manganese	1.0	µg/L	0.1	19-Oct-03
Mercury	< 0.01	µg/L	0.01	16-Aug-03
Nickel	0.2	µg/L	0.1	19-Oct-03
Zinc	< 10	µg/L	10	19-Oct-03



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- CERTIFICATE OF ANALYSIS -

Prepared For: DIAND WR

Attn: Scott Stewart

Sample ID: Dump CAP-2

Taiga Sample ID: 232264

Client Project:

Sample Type: matrix unknown

Received Date: 24-Jul-03

Location: Cape Dorset NU

Sampling Date: 21-Jul-03

Report Status: Final

Approved by:

Test Parameter	Result	Units	Detection Limit	Analysis Date
<u>Physicals</u>				
Alkalinity	103	mg/L	0.3	29-Jul-03
Colour	5		5	24-Jul-03
Conductivity, Specific	599	µS/cm	0.3	29-Jul-03
pH	8.24	pH units	0.05	29-Jul-03
Solids, Total Suspended	10	mg/L	3	28-Jul-03
Turbidity	8.6	NTU	0.1	31-Jul-03
<u>Nutrients</u>				
Ammonia as N	0.007	mg/L	0.005	31-Jul-03
Nitrate+Nitrite as N	0.585	mg/L	0.008	05-Aug-03
Phosphorous, Total	0.035	mg/L	0.002	31-Jul-03
<u>Major Ions</u>				
Calcium	26.2	mg/L	0.05	24-Jul-03
Chloride	61.5	mg/L	0.2	25-Jul-03
Fluoride	0.39	mg/L	0.03	05-Aug-03



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Prepared For: DIAND WR

Attn: Scott Stewart

Sample ID: Dump CAP-2

Taiga Sample ID: 232264

Hardness as CaCO ₃	135	mg/L	0.17	24-Jul-03
Magnesium	16.8	mg/L	0.02	24-Jul-03
Potassium	6.83	mg/L	0.03	24-Jul-03
Silica, Reactive	0.58	mg/L	0.02	11-Aug-03
Sodium	52.9	mg/L	0.02	24-Jul-03
Sulphate	68	mg/L	3	01-Aug-03

Metals, Total

Arsenic	2	µg/L	1	29-Jul-03
Cadmium	0.2	µg/L	0.1	19-Oct-03
Chromium	1.9	µg/L	0.3	19-Oct-03
Cobalt	0.5	µg/L	0.1	19-Oct-03
Copper	37.6	µg/L	0.2	19-Oct-03
Iron	2253	µg/L	30	31-Jul-03
Lead	120	µg/L	0.1	19-Oct-03
Manganese	35.8	µg/L	0.1	19-Oct-03
Mercury	< 0.01	µg/L	0.01	16-Aug-03
Nickel	4.1	µg/L	0.1	19-Oct-03
Zinc	125	µg/L	10	19-Oct-03

Subcontracted Organics

Phenols	7.4	µg/L	0.5	07-Aug-03
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- CERTIFICATE OF ANALYSIS -

Prepared For: DIAND WR

Attn: Scott Stewart

Sample ID: sewage CAP-3

Taiga Sample ID: 232265

Client Project:

Sample Type: sewage

Received Date: 24-Jul-03

Location: Cape Dorset NU

Sampling Date: 21-Jul-03

Report Status: Final

Approved by:

Test Parameter	Result	Units	Detection Limit	Analysis Date	Data Qualifier
<u>Physicals</u>					
Alkalinity	153	mg/L	0.3	29-Jul-03	
Colour	120		5	24-Jul-03	
Conductivity, Specific	743	µS/cm	0.3	29-Jul-03	
pH	7.62	pH units	0.05	29-Jul-03	
Solids, Total Suspended	62	mg/L	3	28-Jul-03	
Turbidity	112	NTU	0.1	31-Jul-03	
<u>Nutrients</u>					
Ammonia as N	17.4	mg/L	0.005	31-Jul-03	
Chemical Oxygen Demand	40	mg/L	1	08-Aug-03	
Nitrate+Nitrite as N	0.474	mg/L	0.008	05-Aug-03	
Phosphorous, Total	0.685	mg/L	0.002	31-Jul-03	
<u>Major Ions</u>					
Calcium	35.9	mg/L	0.05	24-Jul-03	
Chloride	36.8	mg/L	0.2	25-Jul-03	



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Prepared For: DIAND WR

Attn: Scott Stewart

Sample ID: sewage CAP-3

Taiga Sample ID: 232265

Fluoride		mg/L			14
Hardness as CaCO ₃	137	mg/L	0.17	24-Jul-03	
Magnesium	11.6	mg/L	0.02	24-Jul-03	
Potassium	10.3	mg/L	0.03	24-Jul-03	
Silica, Reactive	4.64	mg/L	0.02	11-Aug-03	
Sodium	47.4	mg/L	0.02	24-Jul-03	
Sulphate	141	mg/L	3	28-Jul-03	

Metals, Total

Arsenic	8	µg/L	1	29-Jul-03	
Cadmium	0.1	µg/L	0.1	18-Aug-03	
Chromium	5.6	µg/L	0.3	18-Aug-03	
Cobalt	9.0	µg/L	0.1	18-Aug-03	
Copper	11.6	µg/L	0.2	18-Aug-03	
Iron	6210	µg/L	30	31-Jul-03	
Lead	3.1	µg/L	0.1	18-Aug-03	
Manganese	1740	µg/L	0.1	18-Aug-03	
Nickel	20.4	µg/L	0.1	18-Aug-03	
Zinc	18	µg/L	10	18-Aug-03	



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Prepared For: DIAND WR

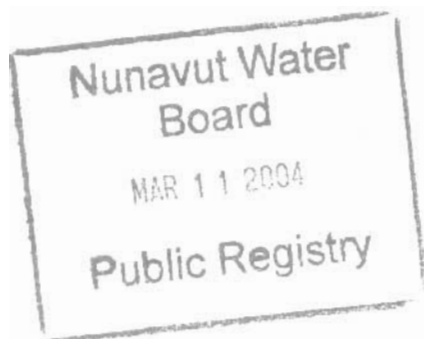
Attn: Scott Stewart

Sample ID: sewage CAP-3

Taiga Sample ID: 232265

Data Qualifier Descriptions:

14 Insufficient sample to perform analysis



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