

# RECEIVED

JAN 19 2004



D.I.A.N.D.  
Iqaluit, NU

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: potable BAK-1

Taiga Sample ID: 232652

Client Project:

Sample Type: sewage

Received Date: 12-Aug-03

Location: Hamlet of Baker Lake

Sampling Date: 08-Aug-03

Report Status: Final

Approved by:

*Helene Harper*

| Test Parameter          | Result | Units    | Detection Limit | Analysis Date |
|-------------------------|--------|----------|-----------------|---------------|
| <u>Physicals</u>        |        |          |                 |               |
| Colour                  | <5     |          | 5               | 27-Aug-03     |
| Conductivity, Specific  | 34.8   | µS/cm    | 0.3             | 19-Aug-03     |
| pH                      | 7.10   | pH units | 0.05            | 19-Aug-03     |
| Solids, Total Suspended | 4      | mg/L     | 3               | 20-Aug-03     |
| <u>Nutrients</u>        |        |          |                 |               |
| Ammonia as N            | <0.005 | mg/L     | 0.005           | 25-Aug-03     |
| Nitrate+Nitrite as N    | 0.009  | mg/L     | 0.008           | 21-Aug-03     |
| Organic Carbon, Total   | 3.4    | mg/L     | 0.2             | 10-Sep-03     |
| <u>Major Ions</u>       |        |          |                 |               |
| Calcium                 | 3.17   | mg/L     | 0.05            | 19-Aug-03     |
| Magnesium               | 1.18   | mg/L     | 0.02            | 19-Aug-03     |
| Potassium               | 0.50   | mg/L     | 0.03            | 20-Aug-03     |
| Sodium                  | 0.83   | mg/L     | 0.02            | 20-Aug-03     |
| Sulphate                | <3     | mg/L     | 3               | 20-Aug-03     |



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: potable BAK-1

Taiga Sample ID: 232652

Metals, Total

|           |        |      |      |           |
|-----------|--------|------|------|-----------|
| Arsenic   | < 1    | µg/L | 1    | 18-Aug-03 |
| Cadmium   | < 0.1  | µg/L | 0.1  | 18-Aug-03 |
| Chromium  | 0.4    | µg/L | 0.3  | 18-Aug-03 |
| Cobalt    | 0.1    | µg/L | 0.1  | 18-Aug-03 |
| Copper    | 0.8    | µg/L | 0.2  | 18-Aug-03 |
| Iron      | 90     | µg/L | 30   | 18-Aug-03 |
| Lead      | 0.1    | µg/L | 0.1  | 18-Aug-03 |
| Manganese | 5.6    | µg/L | 0.1  | 18-Aug-03 |
| Mercury   | < 0.01 | µg/L | 0.01 | 25-Aug-03 |
| Nickel    | 2.8    | µg/L | 0.1  | 18-Aug-03 |
| Zinc      | < 10   | µg/L | 10   | 18-Aug-03 |



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: sewage BAK-2

Taiga Sample ID: 232653

Client Project:

Sample Type: sewage

Received Date: 12-Aug-03

Location: Hamlet of Baker Lake

Sampling Date: 08-Aug-03

Report Status: Final

Approved by:

*Helene Harper*

| Test Parameter          | Result | Units    | Detection Limit | Analysis Date |
|-------------------------|--------|----------|-----------------|---------------|
| <u>Physicals</u>        |        |          |                 |               |
| Conductivity, Specific  | 130    | µS/cm    | 0.3             | 19-Aug-03     |
| pH                      | 7.25   | pH units | 0.05            | 19-Aug-03     |
| Solids, Total Suspended | 4      | mg/L     | 3               | 20-Aug-03     |
| <u>Nutrients</u>        |        |          |                 |               |
| Ammonia as N            | 0.027  | mg/L     | 0.005           | 25-Aug-03     |
| Chemical Oxygen Demand  | 40     | mg/L     | 1               | 26-Aug-03     |
| Nitrate+Nitrite as N    | 0.563  | mg/L     | 0.008           | 21-Aug-03     |
| Organic Carbon, Total   | 7.6    | mg/L     | 0.2             | 10-Sep-03     |
| <u>Major Ions</u>       |        |          |                 |               |
| Calcium                 | 12.6   | mg/L     | 0.05            | 25-Aug-03     |
| Magnesium               | 1.75   | mg/L     | 0.02            | 25-Aug-03     |
| Potassium               | 1.83   | mg/L     | 0.03            | 20-Aug-03     |
| Sodium                  | 7.60   | mg/L     | 0.02            | 20-Aug-03     |
| Sulphate                | 12     | mg/L     | 3               | 20-Aug-03     |



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: sewage BAK-2

Taiga Sample ID: 232653

Metals, Total

|           |       |      |      |           |
|-----------|-------|------|------|-----------|
| Arsenic   | 1     | µg/L | 1    | 18-Aug-03 |
| Cadmium   | <0.1  | µg/L | 0.1  | 01-Dec-03 |
| Chromium  | <0.3  | µg/L | 0.3  | 01-Dec-03 |
| Cobalt    | 0.4   | µg/L | 0.1  | 01-Dec-03 |
| Copper    | 2.5   | µg/L | 0.2  | 01-Dec-03 |
| Iron      | 1021  | µg/L | 30   | 18-Aug-03 |
| Lead      | 0.2   | µg/L | 0.1  | 01-Dec-03 |
| Manganese | 62.4  | µg/L | 0.1  | 01-Dec-03 |
| Mercury   | <0.01 | µg/L | 0.01 | 25-Aug-03 |
| Nickel    | 1.3   | µg/L | 0.1  | 01-Dec-03 |
| Zinc      | 30    | µg/L | 10   | 01-Dec-03 |

Subcontracted Organics

|         |     |      |     |           |
|---------|-----|------|-----|-----------|
| Phenols | 165 | µg/L | 0.5 | 21-Aug-03 |
|---------|-----|------|-----|-----------|



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: seep BAK-3

Taiga Sample ID: 232654

Client Project:

Sample Type: sewage

Received Date: 12-Aug-03

Location: Hamlet of Baker Lake

Sampling Date: 08-Aug-03

Report Status: Final

Approved by:

*Helene Hayer*

| Test Parameter          | Result | Units    | Detection Limit | Analysis Date | Data Qualifier |
|-------------------------|--------|----------|-----------------|---------------|----------------|
| <u>Physicals</u>        |        |          |                 |               |                |
| Conductivity, Specific  | 66.9   | µS/cm    | 0.3             | 19-Aug-03     |                |
| pH                      | 7.08   | pH units | 0.05            | 19-Aug-03     |                |
| Solids, Total Suspended | <3     | mg/L     | 3               | 20-Aug-03     |                |
| <u>Nutrients</u>        |        |          |                 |               |                |
| Ammonia as N            | 0.113  | mg/L     | 0.005           | 25-Aug-03     |                |
| Chemical Oxygen Demand  | 25     | mg/L     | 1               | 26-Aug-03     |                |
| Nitrate+Nitrite as N    | 0.013  | mg/L     | 0.008           | 21-Aug-03     |                |
| Organic Carbon, Total   |        | mg/L     |                 |               |                |
| <u>Major Ions</u>       |        |          |                 |               |                |
| Calcium                 | 5.98   | mg/L     | 0.05            | 19-Aug-03     |                |
| Magnesium               | 1.16   | mg/L     | 0.02            | 19-Aug-03     |                |
| Potassium               | 0.85   | mg/L     | 0.03            | 20-Aug-03     |                |
| Sodium                  | 3.22   | mg/L     | 0.02            | 20-Aug-03     |                |
| Sulphate                | <3     | mg/L     | 3               | 20-Aug-03     |                |

11



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: seep BAK-3

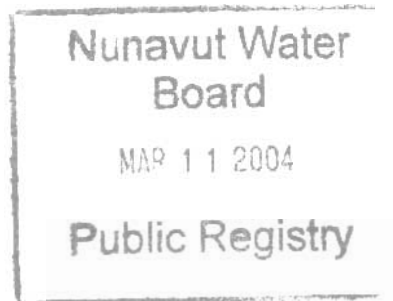
Taiga Sample ID: 232654

Metals, Total

|           |       |      |      |           |
|-----------|-------|------|------|-----------|
| Arsenic   | 2     | µg/L | 1    | 18-Aug-03 |
| Cadmium   | 0.1   | µg/L | 0.1  | 18-Aug-03 |
| Chromium  | 1.2   | µg/L | 0.3  | 18-Aug-03 |
| Cobalt    | 0.2   | µg/L | 0.1  | 18-Aug-03 |
| Copper    | 1.9   | µg/L | 0.2  | 18-Aug-03 |
| Iron      | 291   | µg/L | 30   | 18-Aug-03 |
| Lead      | 1.2   | µg/L | 0.1  | 18-Aug-03 |
| Manganese | 29.1  | µg/L | 0.1  | 18-Aug-03 |
| Mercury   | <0.01 | µg/L | 0.01 | 25-Aug-03 |
| Nickel    | 1.5   | µg/L | 0.1  | 18-Aug-03 |
| Zinc      | 15    | µg/L | 10   | 18-Aug-03 |

*Data Qualifier Descriptions:*

11 Holding time exceeded before sample analysis



| INTERNAL |    |
|----------|----|
| PC       | dp |
| MA       |    |
| FO       |    |
| LA       |    |
| BS       |    |
| ST       |    |
| TA1      |    |
| TA2      |    |
| RC       |    |
| ED       |    |
| CH       |    |
| BRD      |    |
| EXT.     |    |

Report Date: Friday, November 28, 2003

Page 2 of 2