

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT  
WATER RESOURCES DIVISION, YELLOWKNIFE, NORTHWEST TERRITORIES

RESULTS OF LABORATORY ANALYSIS

|                                                |          |                                                  |                                                 |                                          |                                     |
|------------------------------------------------|----------|--------------------------------------------------|-------------------------------------------------|------------------------------------------|-------------------------------------|
| LICENSEE/<br>PROJECT <i>Hamlet of Igloodik</i> |          | LICENCE<br>NUMBER <i>N4L4-0571 (Application)</i> |                                                 | LOCATION <i>Igloodik, N.W.T.</i>         |                                     |
| DATE<br>SAMPLED <i>Aug 17, 1987</i>            |          | DATE<br>RECEIVED <i>Aug 25/87</i>                |                                                 | DATE<br>COMPLETED <i>October 2, 1987</i> |                                     |
| STATION NUMBER                                 |          | <i>571-1</i>                                     | <i>571-2</i>                                    |                                          |                                     |
| LABORATORY NUMBER                              |          | <i>871032</i>                                    | <i>871033</i>                                   |                                          |                                     |
| ANALYSIS REQUIRED                              |          | <input checked="" type="checkbox"/>              | <input checked="" type="checkbox"/>             | <input checked="" type="checkbox"/>      | <input checked="" type="checkbox"/> |
| pH (units)                                     |          | <input checked="" type="checkbox"/> <i>8.3</i>   | <input checked="" type="checkbox"/> <i>8.0</i>  |                                          |                                     |
| Conductivity (µmho/cm)                         |          | <input checked="" type="checkbox"/> <i>280</i>   | <input checked="" type="checkbox"/> <i>320</i>  |                                          |                                     |
| Dissolved Oxygen                               |          |                                                  |                                                 |                                          |                                     |
| Turbidity (NTU)                                |          | <input checked="" type="checkbox"/> <i>0.2</i>   | <input checked="" type="checkbox"/> <i>0.7</i>  |                                          |                                     |
| Colour (colour U.)                             |          | <input checked="" type="checkbox"/> <i>5</i>     | <input checked="" type="checkbox"/> <i>5</i>    |                                          |                                     |
| Suspended Solids                               |          | <input checked="" type="checkbox"/> <i>2</i>     | <input checked="" type="checkbox"/> <i>2</i>    |                                          |                                     |
| TDS, Residue                                   |          | <input checked="" type="checkbox"/> <i>180</i>   | <input checked="" type="checkbox"/> <i>220</i>  |                                          |                                     |
| Calcium                                        |          | <input checked="" type="checkbox"/> <i>28</i>    | <input checked="" type="checkbox"/> <i>28</i>   |                                          |                                     |
| Magnesium                                      |          | <input checked="" type="checkbox"/> <i>8.0</i>   | <input checked="" type="checkbox"/> <i>7.7</i>  |                                          |                                     |
| Tot. Hardness (CaCO <sub>3</sub> )             |          | <input checked="" type="checkbox"/> <i>104</i>   | <input checked="" type="checkbox"/> <i>101</i>  |                                          |                                     |
| Tot. Alkalinity (CaCO <sub>3</sub> )           |          | <input checked="" type="checkbox"/> <i>85</i>    | <input checked="" type="checkbox"/> <i>88</i>   |                                          |                                     |
| Sodium                                         |          | <input checked="" type="checkbox"/> <i>17.</i>   | <input checked="" type="checkbox"/> <i>40.</i>  |                                          |                                     |
| Potassium                                      |          | <input checked="" type="checkbox"/> <i>1.1</i>   | <input checked="" type="checkbox"/> <i>3.8</i>  |                                          |                                     |
| Chloride                                       |          | <input checked="" type="checkbox"/> <i>29</i>    | <input checked="" type="checkbox"/> <i>53</i>   |                                          |                                     |
| Sulphate                                       |          | <input checked="" type="checkbox"/> <i>12</i>    | <input checked="" type="checkbox"/> <i>18</i>   |                                          |                                     |
| Total Coliform (count)                         |          |                                                  |                                                 |                                          |                                     |
| Fecal Coli. <i>(100)</i>                       |          |                                                  |                                                 |                                          |                                     |
| Fecal Strep. <i>(ml)</i>                       |          |                                                  |                                                 |                                          |                                     |
| Std. Plate Cnt. (cnt/ml)                       |          |                                                  |                                                 |                                          |                                     |
| BOD <sub>5</sub>                               |          |                                                  |                                                 |                                          |                                     |
| COD                                            |          |                                                  |                                                 |                                          |                                     |
| Carbon, IC                                     |          |                                                  |                                                 |                                          |                                     |
| Carbon, TOC                                    |          |                                                  |                                                 |                                          |                                     |
| Ammonia Nitrogen (as N)                        |          |                                                  |                                                 |                                          |                                     |
| Nitrate + Nitrite (as N)                       |          |                                                  |                                                 |                                          |                                     |
| Total Kjeldahl N (as N)                        |          |                                                  |                                                 |                                          |                                     |
| Phosphorus O-P (as P)                          |          |                                                  |                                                 |                                          |                                     |
| Phosphorus Tot. (as P)                         |          |                                                  |                                                 |                                          |                                     |
| Silica Reac. (as SiO <sub>2</sub> )            |          |                                                  |                                                 |                                          |                                     |
| Total Cyanide                                  |          |                                                  |                                                 |                                          |                                     |
| Available Cyanide                              |          |                                                  |                                                 |                                          |                                     |
| Sulphide                                       |          |                                                  |                                                 |                                          |                                     |
| Oil & Grease                                   |          |                                                  |                                                 |                                          |                                     |
| Phenols                                        |          |                                                  |                                                 |                                          |                                     |
| Arsenic                                        | T (µg/L) | <input checked="" type="checkbox"/> <i>21.</i>   | <input checked="" type="checkbox"/> <i>21.</i>  |                                          |                                     |
|                                                | D (µg/L) |                                                  |                                                 |                                          |                                     |
| Cadmium                                        | T (µg/L) | <input checked="" type="checkbox"/> <i>20.5</i>  | <input checked="" type="checkbox"/> <i>20.5</i> |                                          |                                     |
|                                                | D (µg/L) |                                                  |                                                 |                                          |                                     |
| Copper                                         | T (µg/L) | <input checked="" type="checkbox"/> <i>21.</i>   | <input checked="" type="checkbox"/> <i>21.</i>  |                                          |                                     |
|                                                | D (µg/L) |                                                  |                                                 |                                          |                                     |
| Iron                                           | T (µg/L) | <input checked="" type="checkbox"/> <i>32</i>    | <input checked="" type="checkbox"/> <i>51</i>   |                                          |                                     |
|                                                | D (µg/L) |                                                  |                                                 |                                          |                                     |
| Lead                                           | T (µg/L) | <input checked="" type="checkbox"/> <i>2</i>     | <input checked="" type="checkbox"/> <i>2</i>    |                                          |                                     |
|                                                | D (µg/L) |                                                  |                                                 |                                          |                                     |
| Mercury                                        | T (µg/L) | <input checked="" type="checkbox"/> <i>0.12</i>  | <input checked="" type="checkbox"/> <i>0.25</i> |                                          |                                     |
|                                                | D (µg/L) |                                                  |                                                 |                                          |                                     |
| Nickel                                         | T (µg/L) | <input checked="" type="checkbox"/> <i>21.</i>   | <input checked="" type="checkbox"/> <i>21.</i>  |                                          |                                     |
|                                                | D (µg/L) |                                                  |                                                 |                                          |                                     |
| Zinc                                           | T (µg/L) | <input checked="" type="checkbox"/> <i>5.</i>    | <input checked="" type="checkbox"/> <i>6</i>    |                                          |                                     |
|                                                | D (µg/L) |                                                  |                                                 |                                          |                                     |
| Chromium                                       | T (µg/L) | <input checked="" type="checkbox"/> <i>21.</i>   | <input checked="" type="checkbox"/> <i>21.</i>  |                                          |                                     |
|                                                | D (µg/L) |                                                  |                                                 |                                          |                                     |

Results are expressed in µg/L, except as indicated. T and D refer to

## ELD SAMPLING AND DATA

[illegible]