

Lupin Mine, Nunavut  
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Edmonton, Alberta  
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## ECHO BAY MINES LTD.

July 7, 2002

Our File: NWB1LUP0008-Monthly02  
Your File: Water Register  
NWB1LUP0008

Executive Director  
Nunavut Water Board  
P.O. Box 119  
Gjoa Haven, NU  
X0B 1J0

Dear Sir:

**RE: Echo Bay Mines Ltd., Lupin Gold Mine, Contwoyto Lake, NU.; Water Licence  
NWB1LUP0008; Surveillance Network Program Monthly Report**

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As required by Part A, Item 6 of the Surveillance Network Program (Schedule 1) of the Water Licence, please find attached a copy of our **June, 2002** monthly report.

There was one sampling requirements during the month of June. The seasonal discharge of the Sewage Lakes system was estimated to have begun on June 5<sup>th</sup>, 2002. The sample was obtained on June 6<sup>th</sup> and shipped to Norwest Labs Ltd. in Edmonton for analysis.

Discharge was noted during a regular inspection of the culvert location when snow melt was noted and water seen flowing in the area around the culvert discharge. The upstream culvert gate was closed and sealed in the fall of 2001, however it appeared as though water was entering the culvert from around the culvert, possibly through an open seam or stress crack in the culvert.

The sample analysis, monthly water use and mill production data are included in the attached report for your review. Should you have any questions or comments regarding this report, please feel free to contact the undersigned at (780) 890-8794, Lupin.

Yours truly,

D. Hohnstein  
Environmental Coordinator, Lupin

Attach.

cc B. Danyluk H. Ducasse Mill Operations

Lupin Mine, Nunavut, Canada  
Echo Bay Mines Ltd., 35 Years of Northern Mining

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WATER LICENCE NWB1LUP0008

SURVEILLANCE NETWORK PROGRAM  
MONTHLY REPORT

JUNE 2002

- all units are in mg/L except pH which is unitless and where otherwise indicated.

| DATE     | SAMPLING STATION | TEMP °C         | pH              | TSS  | Total CN | Total As      | Cd            | Cu        | TOTAL METALS |       |             |        | Pb    | Zn | F-col #/100mL | BOD <sub>5</sub> |
|----------|------------------|-----------------|-----------------|------|----------|---------------|---------------|-----------|--------------|-------|-------------|--------|-------|----|---------------|------------------|
| 6-Jun-02 | 925-14           | 5.6             | 7.17            | 1    | -        | 0.0146        | <0.0001       | 0.007     |              |       | 0.0226      | 0.0007 | 0.048 |    | <1            | <4               |
|          |                  | Total Nitrate-N | Total Nitrite-N | TK-N | NH4-N    | Total Ortho-P | Total Phosph. | Total O&G | Alk.         | Hard. | uS/cm Cond. |        |       |    |               |                  |
| 6-Jun-02 | 925-14           | 7.19            | <0.002          | 7.87 | 6.01     | <0.05         | 0.09          | n/v       | 24           | 364   |             |        |       |    |               |                  |

Note: O&G reported as n/v or not visible.

|  | MONTHLY |              | YTD     |
|--|---------|--------------|---------|
| TOTAL FRESHWATER METERED AT PUMPHOUSE (925-01) | 77,076  | CUBIC METERS | 416,450 |
| PROCESS  | 69,175  | CUBIC METERS | 375,473 |
| POTABLE  | 7,901   | CUBIC METERS | 40,977  |
| TOTAL TAILINGS AT 925-12 (CALCULATED TO TCA)   | 70,634  | CUBIC METERS | 399,057 |
| SOLUTION                                       | 56,033  | CUBIC METERS | 332,016 |
| SOLIDS   | 14,601  | CUBIC METERS | 67,042  |
| DRY TAILINGS SOLIDS TO BACKFILL                | 944     | CUBIC METERS | 25,150  |
| QUANTITY OF ORE MILLED                         | 45,082  | TONNES       | 267,355 |
| MINE WATER PUMPED FROM UNDERGROUND             | 4,643   | CUBIC METERS | 24,355  |
| SEWAGE LAKES DISCHARGE                         | 113,155 | CUBIC METERS | 113,155 |

COMMENTS :

Discharge from 925-10 was observed on June 5, 2002 with an estimated start time of 1900hrs.

  
ENVIRONMENTAL COORDINATOR