

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

September 12, 2001

Our File: NWB1LUP0008-Monthly01  
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 three copies of our **August, 2001** monthly report.

The monthly water use and mill production data are included in the attached for your review. Discharge from the No.2 Sewage Lake via syphon continued through to August 17, 2001 at which point it was shut down for repairs to the culvert. A series of samples were obtained along the shoreline following the repair to the culvert. The pH of the samples were determined to be less than 6.0 at all locations and no further discharge was planned.

A sample was obtained on August 13, 2001 and submitted to Norwest Labs. Ltd. in Edmonton for analysis. The results are included in the attached report.

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

**WATER LICENCE NWB1LUP0008**

 SURVEILLANCE NETWORK PROGRAM  
 MONTHLY REPORT

**AUGUST 2001**

- 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 Hg	METALS Ni	Pb	Zn	F-col #/100mL	BOD <sub>5</sub>
13-Aug-01	925-14	12	5.96	< 1	N/A	0.0072	0.0006	0.006		0.042	0.009	0.0857	<1	<4
		Total Nitrate-N	Total Nitrite-N	TK-N	NH4-N	Total Ortho-P	Total Phosph.	Total O&G	Alk.	Hard.				
13-Aug-01	925-14	13.7	<0.002	9.67	8.5	<0.05	0.23		< 5	684				

	MONTHLY		YTD
TOTAL FRESHWATER METERED AT PUMPHOUSE (925-01)	80,436	CUBIC METERS	578,715
PROCESS	74,271	CUBIC METERS	522,807
POTABLE	6,165	CUBIC METERS	55,908
TOTAL TAILINGS AT 925-12 (CALCULATED TO TCA)	65,928	CUBIC METERS	567,616
SOLUTION	53,772	CUBIC METERS	469,820
SOLIDS	12,155	CUBIC METERS	97,796
DRY TAILINGS SOLIDS TO BACKFILL	7,310	CUBIC METERS	42,727
QUANTITY OF ORE MILLED	56,448	TONNES	407,516
MINE WATER PUMPED FROM UNDERGROUND	4,680	CUBIC METERS	33,466
SEWAGE LAKES DISCHARGE	54,324	CUBIC METERS	337,398

**COMMENTS :**

Discharge from the No.2 Sewage Lake ended on August 17, 2001 when the syphon line was removed to access the culvert for repairs. Subsequent shoreline samples indicated a pH below 6.0 which prompted the decision to end discharge for the 2001 season.

The August 13th sample was submitted to Norwest Labs. Ltd, in Edmonton for analysis.



ENVIRONMENTAL COORDINATOR