

ECHO BAY MINES LTD.

9818 International Airport
Edmonton, Alberta
T5J 2T2

November 20, 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**

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 monthly report for **October, 2002**.

All monitoring analyses have now been completed with reports received from Norwest Labs. Ltd. in Edmonton and are summarized in the revised tables included. The highlighted values are those which were missing from the previously submitted September report.

The 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

Attachments

cc B. Burton H. Ducasse Mill Operations



WATER LICENCE NWB1LUP0008

 SURVEILLANCE NETWORK PROGRAM
 MONTHLY REPORT

OCTOBER 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	TOTAL METALS						F-col	
							Cd	Cu	Hg	Ni	Pb	Zn	#/100mL	BOD ₅

Total Nitrate-N	Total Nitrite-N	TK-N	NH4-N	Total Ortho-P	Total Phosph.	Total O&G	Alk.	Hard.	uS/cm Cond.
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Note: There were no sampling requirements for the month of October.

	MONTHLY		YTD
TOTAL FRESHWATER METERED AT PUMPHOUSE (925-01)	87,522	CUBIC METERS	749,243
PROCESS	80,146	CUBIC METERS	679,410
POTABLE	7,376	CUBIC METERS	69,833
TOTAL TAILINGS AT 925-12 (CALCULATED TO TCA)	71,877	CUBIC METERS	681,765
SOLUTION	58,470	CUBIC METERS	559,862
SOLIDS	13,408	CUBIC METERS	121,903
DRY TAILINGS SOLIDS TO BACKFILL	4,775	CUBIC METERS	38,819
QUANTITY OF ORE MILLED	52,729	TONNES	466,094
MINE WATER PUMPED FROM UNDERGROUND	3,591	CUBIC METERS	41,179
SEWAGE LAKES DISCHARGE	0	CUBIC METERS	273,122

COMMENTS :

No sampling requirements for October, 2002.


 ENVIRONMENTAL COORDINATOR

Revised September Results



ECHO BAY MINES LTD.

LUPIN GOLD MINE, Nunavut
Licence NWBILUP008

September SNP Sampling Report - Water Quality Results

*D-Daily *W-Weekly *M-Monthly				Routine Analysis				Total As (mg/L)	Total CN (mg/L)	Total Metals (mg/L)					Alk. (mg/L)	NH ₄ (mg/L)	Hard. (mg/L)
Log No.	Date		Station	Temp (C)	pH	Cond (us)	TSS (mg/L)			Zn	Cu	Pb	Ni	Cd			
20201	9/1/2002	D	925-10	9.8	7.13	---	2	0.0178	0.064	0.191	0.006	---	---	---	---	---	---
20202	9/2/2002	W	925-10-1	9.2	7.01	9.6	<1	0.0180	0.072	0.185	0.006	0.0003	0.0796	0.00016	27	2.02	226
20205	9/3/2002	D	925-10	9.0	6.99		<1	0.0163	0.086	0.172	0.006						
20206	9/4/2002	D	925-10	8.8	6.94		2	0.0162	0.048	0.171	0.006						
20207	9/5/2002	D	925-10	7.6	6.95		2	0.0199	0.062	0.169	0.008						
20208	9/5/2002	W	925-20	7.0	6.44	670	<1	0.0036	0.006	0.129	0.004	0.0002	0.0717	0.00015	<5	1.14	169
20209	9/5/2002	W	925-21	8.6	6.47	13.8	1	0.0005	0.002	0.003	0.002	<0.0001	0.0007	<0.00001	<5	<0.05	5
20210	9/5/2002	W	925-22-1	7.6	6.42	253	1	0.0015	0.004	0.052	0.013	0.0006	0.0238	0.00008	<5	0.33	59.3
20213	9/5/2002	W	925-24	8.4	6.39	333	<1	0.0014	0.002	0.045	0.004	0.0001	0.0231	0.00005	<5	0.35	77.7
20214	9/5/2002	W	925-25	8.9	6.56	92.2	2	0.0007	<0.002	0.012	0.002	0.0001	0.0056	0.00002	<5	0.05	21.3
20216	9/6/2002	D	925-10	7.6	6.83		2	0.0171	0.058	0.172	0.006						
20217	9/7/2002	D	925-10	7.9	6.91		1	0.0174	0.054	0.171	0.007	0.0003	0.0823	0.00019		2.49	
20220	9/9/2002	M	925-14		5.85		7	0.0140		0.111	0.018	<0.0001	0.046	0.00033	<5	9.03	909
20221	9/10/2002	W	925-22-1	10.5	6.62	216	2	0.0012	0.004	0.035	0.002	<0.0001	0.0188	0.00004	<5	0.2	50.5
20224	9/10/2002	W	925-24	10.1	6.36	278	1	0.0012	0.004	0.042	0.004	0.0002	0.0213	0.00003	<5	0.25	66.1
20225	9/10/2002	W	925-25	9.8	6.59	51.6	<1	0.0005	0.002	0.009	0.001	0.0001	0.0035	0.00004	<5	<0.05	12
20227	9/10/2002		Blank		5.33	2.2	1	<0.0002	<0.002	0.011	0.008	0.0004	<0.0005	0.00001	<5	<0.05	<1
20236	9/16/2002		925-14		5.96	3850	8	0.0096		0.104	0.007	<0.0005	0.0402	0.00015	<5	8.87	
20237	9/19/2002	W	925-22-1	7.1	6.57	51.7	2	0.0009	0.004	0.014	0.002	<0.0001	0.007	0.00002	6	0.05	13
20240	9/19/2002	W	925-24	7.4	6.34	153	<1	0.0011	0.004	0.027	0.002	<0.0001	0.0131	0.00002	<5	0.14	35.7
20241	9/19/2002	W	925-25	8.2	6.51	66.5	<1	0.0005	0.006	0.012	0.001	<0.0001	0.0046	0.00001	<5	0.10	15.5
20242	9/19/2002	W	Blank		5.84	2.5	2	<0.0002	0.004	0.050	0.007	0.0004	<0.0005	0.00002	<5	<0.05	<1
20140	8/8/2002		104a	11.3	7.43	904	<1	0.0851	0.022	0.093	0.026	0.0069	0.079	0.00006	36	10.5	188

 Awaiting results;missed on submission
 Revised results
 Station 104a (Pond 1) Bioassay Sample

*D-Daily *W-Weekly *M-Monthly				Nutrient Analysis												
Log No.	Date		Station	Total Nitrate (mg/L)	Total N (mg/L)	Total Nitrite (mg/L)	Total OrthoP (mg/L)	Total Phosphorus (mg/L)	Faecal Coliform (CFU/100mL)	G/O Sheen (mg/L)	BOD (mg/L)					
20220	9/9/2002	M	925-14	19.2	9.68	<0.01	<0.05	0.09	1	n/v	<4					
20236	9/16/2002		925-14	20.7	9.57	<0.02	<0.05	0.14	2	n/v	<4					

Note: Revised November 2002



ECHO BAY MINES LTD.

LUPIN GOLD MINE, Nunavut
Licence NWB1LUP008

September SNP Sampling Quality Control

*D-Daily *W-Weekly *M-Monthly				Routine Analysis				Total As	Total CN	Total Metals (mg/L)					Alk.	NH ₄	Hard.
Log No.	Date		Station	Temp (C)	pH	Cond (us)	TSS (mg/L)	(mg/L)	(mg/L)	Zn	Cu	Pb	Ni	Cd	(mg/L)	(mg/L)	(mg/L)
20227	9/10/2002	W	Blank		5.33	2.2	1	<0.0002	<0.002	0.011	0.008	0.0004	<0.0005	0.00001	<5	<0.05	<1
20242	9/19/2002	W	Blank		5.84	2.5	2	<0.0002	0.004	0.050	0.007	0.0004	<0.0005	0.00002	<5	<0.05	<1
20202	9/2/2002	W	925-10-1	9.2	7.01	9.6	<1	0.0180	0.072	0.185	0.006	0.0003	0.0796	0.00016	27	2.02	226
20203	9/2/2002	W	925-10-2	9.2	6.98	9.4	<1	0.0175	0.068	0.181	0.006	0.0003	0.0776	0.00018	15	2.02	229
20204	9/2/2002	W	925-10-3	9.2	6.98	9.5	1	0.0177	0.052	0.182	0.005	0.0003	0.0794	0.00019	10	1.99	231
20210	9/5/2002	W	925-22-1	7.6	6.42	253	1	0.0015	0.004	0.052	0.013	0.0006	0.0238	0.00008	<5	0.33	59
20211	9/5/2002	W	925-22-2	7.6	6.42	262	<1	0.0014	0.006	0.047	0.003	<0.0001	0.0248	0.00004	<5	0.35	62
20212	9/5/2002	W	925-22-3	7.6	6.42	263	<1	0.0015	<0.002	0.049	0.005	0.0001	0.0250	0.00006	<5	0.34	62
20221	9/10/2002	W	925-22-1	10.5	6.62	216	2	0.0012	0.004	0.035	0.002	<0.0001	0.0188	0.00004	<5	0.20	51
20222	9/10/2002	W	925-22-2	10.4	6.47	225	1	0.0012	0.002	0.039	0.004	<0.0001	0.0193	0.00004	<5	0.21	54
20223	9/10/2002	W	925-22-3	10.3	6.43	231	<1	0.0012	0.004	0.037	0.002	<0.0001	0.0202	0.00004	<5	0.21	55
20237	9/19/2002	W	925-22-1	7.1	6.57	51.7	2	0.0009	0.004	0.014	0.002	<0.0001	0.0070	0.00002	6	0.05	13
20238	9/19/2002	W	925-22-2	6.9	6.44	21.6	<1	0.0007	0.002	0.007	0.002	0.0001	0.0026	<0.00001	<5	<0.05	6
20239	9/19/2002	W	925-22-3	6.9	6.40	32.7	<1	0.0008	0.002	0.010	0.002	<0.0001	0.0044	<0.00001	<5	<0.05	9

Note: Norwest Data missing from September SNP submission.
Revised November 2002