

*METAL SAMPLES*



Agri-Food & Environmental Group  
Calgary Edmonton Winnipeg Lethbridge Surrey

## Analytical Report

Norwest Labs  
9938-67 Avenue  
Edmonton, AB. T6E 0P5  
Phone: (780) 438-5522  
Fax: (780) 438-0396

Bill to: Echo Bay Mines Ltd.  
Report to: Echo Bay Mines Ltd.

9818 International Airport  
Edmonton, AB, Canada  
T5J2T2

Attn: David Hohnstein

Sampled By: M. Sawyer

Company: Echo Bay Mines

Project

ID:

Name:

Location:

LSD:

P.O.:

Acct. Code:

NWL Lot ID: 182067

Control Number:

Date Received: Jul 18, 2002

Date Reported: Aug 01, 2002

Report Number: 285685

Page: 1 of 25

		NWL Number	182067-1	182067-2	182067-3	
		Sample Date	Jul 15, 2002	Jul 16, 2002	Jul 16, 2002	
		Sample Description	20046 925-10	20047 925-20	20048 925-21	
Analyte		Units	Results	Results	Results	Detection Limit
<b>Inorganic Nonmetallic Parameters</b>						
Ammonium - N	Dissolved	mg/L	1.08	<0.05	<0.05	0.05
Cyanide	Strong Acid Dissociable	mg/L	0.004	<0.002	<0.002	0.002
<b>Metals Total</b>						
Calcium	Total	mg/L	71.6	10.8	0.8	0.2
Iron	Total	mg/L	0.980	0.575	0.050	0.003
Magnesium	Total	mg/L	7.10	3.38	0.44	0.05
Manganese	Total	mg/L	1.10	0.152	0.0034	0.0002
Potassium	Total	mg/L	6.3	1.1	<0.4	0.4
Silicon	Total	mg/L	2.32	0.912	0.089	0.004
Sodium	Total	mg/L	77.0	10.2	<0.4	0.4
Sulphur	Total	mg/L	107	15.8	0.525	0.008
Aluminum	Total	mg/L	0.055	0.078	0.021	0.005
Antimony	Total	mg/L	<0.0002	<0.0002	<0.0002	0.0002
Arsenic	Total	mg/L	0.0149	0.0084	0.0004	0.0002
Barium	Total	mg/L	0.016	0.013	0.002	0.001
Beryllium	Total	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Bismuth	Total	mg/L	<0.0005	<0.0005	<0.0005	0.0005
Boron	Total	mg/L	0.098	0.017	<0.002	0.002
Cadmium	Total	mg/L	0.00019	0.00004	<0.00001	0.00001
Chromium	Total	mg/L	0.0007	<0.0005	<0.0005	0.0005
Cobalt	Total	mg/L	0.0559	0.0071	<0.0001	0.0001
Copper	Total	mg/L	0.012	0.007	0.002	0.001
Lead	Total	mg/L	0.0005	<0.0001	<0.0001	0.0001
Lithium	Total	mg/L	0.018	0.006	0.001	0.001
Molybdenum	Total	mg/L	0.002	<0.001	<0.001	0.001
Nickel	Total	mg/L	0.0807	0.0228	0.0005	0.0005
Selenium	Total	mg/L	<0.0002	<0.0002	<0.0002	0.0002
Silver	Total	mg/L	<0.0001	<0.0001	<0.0001	0.0001
Strontium	Total	mg/L	0.271	0.047	0.005	0.001
Thallium	Total	mg/L	<0.00005	<0.00005	<0.00005	0.00005
Titanium	Total	mg/L	0.0045	0.0019	<0.0005	0.0005
Uranium	Total	mg/L	<0.0005	<0.0005	<0.0005	0.0005
Vanadium	Total	mg/L	<0.0001	0.0002	<0.0001	0.0001
Zinc	Total	mg/L	0.191	0.022	<0.001	0.001
Zirconium	Total	mg/L	<0.001	<0.001	<0.001	0.001

### Physical and Aggregate Properties



Accredited by the Standards Council of Canada (SCC) and by the Canadian Association for Environmental Analytical Laboratories (CAEAL) for specific tests registered with the Council and the Association



**NORWEST  
LABS**

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Calgary Edmonton Winnipeg Lethbridge Surrey

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9818 International Airport  
Edmonton, AB, Canada  
T5J2T2

Attn: David Hohnstein

Sampled By: M. Sawyer

Company: Echo Bay Mines

**Project**  
**ID:**  
**Name:**  
**Location:**  
**LSD:**  
**P.O.:**  
**Acct. Code:**

**NWL Lot ID:** 182067  
**Control Number:**  
**Date Received:** Jul 18, 2002  
**Date Reported:** Aug 01, 2002  
**Report Number:** 285685

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NWL Number	182067-1	182067-2	182067-3
Sample Date	Jul 15, 2002	Jul 16, 2002	Jul 16, 2002
Sample Description	20046 925-10	20047 925-20	20048 925-21

Analyte	Units	Results	Results	Results	Detection Limit
<b>Physical and Aggregate Properties - Continued</b>					
Temperature of observed pH	°C	25.3	25.3	25.4	
Solids					
Total Suspended	mg/L	<1	4	<1	1
<b>Routine Water</b>					
pH		7.01	6.45	6.26	
Conductivity	uS/cm	858	163	12.4	1
Calcium	Dissolved mg/L	84.7	13.6	1.1	0.2
Magnesium	Dissolved mg/L	8.03	4.01	0.48	0.05
Hydroxide	mg/L	<5	<5	<5	5
Carbonate	mg/L	<6	10	<6	6
Bicarbonate	mg/L	24	<5	<5	5
P-Alkalinity	as CaCO3 mg/L	<5	<5	<5	5
T-Alkalinity	as CaCO3 mg/L	20	9	<5	5
Hardness	as CaCO3 mg/L	245	50.3	4.6	



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T5J2T2  
Attn: David Hohnstein  
Sampled By: M. Sawyer  
Company: Echo Bay Mines

Project  
ID:  
Name: Lupin Operation  
Location:  
LSD:  
P.O.:  
Acct. Code:

NWL Lot ID: 186448  
Control Number: LP 50838  
Date Received: Aug 12, 2002  
Date Reported: Aug 22, 2002  
Report Number: 292816

Page: 2 of 14

NWL Number	186448-4	186448-5	186448-6
Sample Date			
Sample Description	20138 925-10-1 Aug 12 2002	20139 Blank Aug 12 2002	20141 925-10-2 Aug 12 2002

Analyte	Units	Results	Results	Results	Detection Limit
<b>Inorganic Nonmetallic Parameters</b>					
Ammonium - N	Dissolved	mg/L	1.36	<0.05	1.36 0.05
Cyanide	Strong Acid Dissociable	mg/L	0.078	0.008	0.074 0.002
<b>Metals Total</b>					
Calcium	Total	mg/L	76.8	0.2	76.8 0.2
Iron	Total	mg/L	0.267	<0.003	0.265 0.1
Magnesium	Total	mg/L	7.66	<0.05	7.66 0.2
Manganese	Total	mg/L	1.14	0.0065	1.13 0.005
Potassium	Total	mg/L	6.5	<0.4	6.5 0.4
Silicon	Total	mg/L	2.28	0.027	2.30 0.05
Sodium	Total	mg/L	81.0	<0.4	79.7 0.4
Sulphur	Total	mg/L	112	0.388	110 0.05
Aluminum	Total	mg/L	0.080	0.018	0.090 0.005
Antimony	Total	mg/L	0.0052	<0.0002	0.0002 0.0002
Arsenic	Total	mg/L	0.0108	<0.0002	0.0132 0.0002
Barium	Total	mg/L	0.017	0.002	0.017 0.001
Beryllium	Total	mg/L	<0.0001	<0.0001	<0.0001 0.0001
Bismuth	Total	mg/L	<0.0005	<0.0005	<0.0005 0.0005
Boron	Total	mg/L	0.106	0.002	0.105 0.002
Cadmium	Total	mg/L	0.00018	<0.00001	0.00017 0.00001
Chromium	Total	mg/L	<0.0005	<0.0005	<0.0005 0.0005
Cobalt	Total	mg/L	0.0566	<0.0001	0.0568 0.0001
Copper	Total	mg/L	0.006	0.004	0.005 0.001
Lead	Total	mg/L	0.0004	0.0004	0.0003 0.0001
Lithium	Total	mg/L	0.019	<0.001	0.019 0.001
Molybdenum	Total	mg/L	0.003	0.002	0.003 0.001
Nickel	Total	mg/L	0.0838	<0.0005	0.0831 0.0005
Selenium	Total	mg/L	<0.0002	<0.0002	<0.0002 0.0002
Silver	Total	mg/L	<0.0001	<0.0001	<0.0001 0.0001
Strontium	Total	mg/L	0.293	<0.001	0.296 0.001
Thallium	Total	mg/L	<0.00005	<0.00005	<0.00005 0.00005
Titanium	Total	mg/L	0.0050	<0.0005	0.0045 0.0005
Uranium	Total	mg/L	<0.0005	<0.0005	<0.0005 0.0005
Vanadium	Total	mg/L	<0.0001	<0.0001	<0.0001 0.0001
Zinc	Total	mg/L	0.193	0.002	0.190 0.001
Zirconium	Total	mg/L	<0.001	<0.001	<0.001 0.001



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Project  
ID:  
Name: Lupin Operation  
Location:  
LSD:  
P.O.:  
Acct. Code:

NWL Lot ID: 186448  
Control Number: LP 50838  
Date Received: Aug 12, 2002  
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		NWL Number	186448-4	186448-5	186448-6	
		Sample Date				
		Sample Description	20138 925-10-1 Aug 12 2002	20139 Blank Aug 12 2002	20141 925-10-2 Aug 12 2002	
Analyte		Units	Results	Results	Results	Detection Limit
<b>Physical and Aggregate Properties</b>						
Temperature of observed pH		°C	21.9	21.6	22.7	
Solids	Total Suspended	mg/L	<1	<1	1	1
<b>Routine Water</b>						
pH			6.95	5.55	6.33	
Conductivity		uS/cm	855	1	881	1
Calcium	Dissolved	mg/L	75.1	0.2	76.4	0.2
Magnesium	Dissolved	mg/L	7.41	<0.05	7.88	0.2
Hydroxide		mg/L	<5	<5	<5	5
Carbonate		mg/L	12	<6	10	6
Bicarbonate		mg/L	<5	<5	<5	5
P-Alkalinity	as CaCO3	mg/L	<5	<5	<5	5
T-Alkalinity	as CaCO3	mg/L	10	<5	9	5
Hardness	as CaCO3	mg/L	218	0.6	223	



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Acct. Code:

NWL Lot ID: 186448  
Control Number: LP 50838  
Date Received: Aug 12, 2002  
Date Reported: Aug 22, 2002  
Report Number: 292816

Page: 4 of 14

NWL Number 186448-7  
Sample Date  
Sample Description 20142 925-10-3 Aug  
12 2002

Analyte		Units	Results	Results	Detection Limit
<b>Inorganic Nonmetallic Parameters</b>					
Ammonium - N	Dissolved	mg/L	1.31		0.05
Cyanide	Strong Acid Dissociable	mg/L	0.070		0.002
<b>Metals Total</b>					
Calcium	Total	mg/L	76.8		0.2
Iron	Total	mg/L	0.270		0.1
Magnesium	Total	mg/L	7.66		0.2
Manganese	Total	mg/L	1.14		0.005
Potassium	Total	mg/L	6.5		0.4
Silicon	Total	mg/L	2.25		0.05
Sodium	Total	mg/L	80.6		0.4
Sulphur	Total	mg/L	111		0.05
Aluminum	Total	mg/L	0.091		0.005
Antimony	Total	mg/L	<0.0002		0.0002
Arsenic	Total	mg/L	0.0131		0.0002
Barium	Total	mg/L	0.016		0.001
Beryllium	Total	mg/L	<0.0001		0.0001
Bismuth	Total	mg/L	<0.0005		0.0005
Boron	Total	mg/L	0.107		0.002
Cadmium	Total	mg/L	0.00016		0.00001
Chromium	Total	mg/L	<0.0005		0.0005
Cobalt	Total	mg/L	0.0557		0.0001
Copper	Total	mg/L	0.005		0.001
Lead	Total	mg/L	0.0004		0.0001
Lithium	Total	mg/L	0.019		0.001
Molybdenum	Total	mg/L	0.003		0.001
Nickel	Total	mg/L	0.0841		0.0005
Selenium	Total	mg/L	<0.0002		0.0002
Silver	Total	mg/L	<0.0001		0.0001
Strontium	Total	mg/L	0.294		0.001
Thallium	Total	mg/L	<0.00005		0.00005
Titanium	Total	mg/L	0.0044		0.0005
Uranium	Total	mg/L	<0.0005		0.0005
Vanadium	Total	mg/L	<0.0001		0.0001
Zinc	Total	mg/L	0.195		0.001
Zirconium	Total	mg/L	<0.001		0.001



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9938-67 Avenue  
Edmonton, AB. T6E 0P5  
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Fax: (780) 438-0396

NWL Lot ID: 186448  
Control Number: LP 50838  
Date Received: Aug 12, 2002  
Date Reported: Aug 22, 2002  
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Page: 5 of 14

NWL Number 186448-7  
Sample Date  
Sample Description 20142 925-10-3 Aug  
12 2002

Analyte	Units	Results	Results	Results	Detection Limit
<b>Physical and Aggregate Properties</b>					
Temperature of observed pH	°C	22.7			
Solids					
Total Suspended	mg/L	<1			1
<b>Routine Water</b>					
pH		6.64			
Conductivity	uS/cm	880			1
Calcium	mg/L	76.5			0.2
Magnesium	mg/L	7.57			0.2
Hydroxide	mg/L	<5			5
Carbonate	mg/L	10			6
Bicarbonate	mg/L	<5			5
P-Alkalinity	as CaCO3	<5			5
T-Alkalinity	as CaCO3	8			5
Hardness	as CaCO3	222			

Approved by: Doug Keyes



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**Photo 1**

Downstream side of  
containment berm at  
Sewage Lake No.2  
Showing location of  
culvert removal in  
September 2002.



**Photo 2**

Upstream side of  
containment berm at  
Sewage Lake No.2  
Showing location of  
culvert removal in  
September 2002.





**Photo 3**

Dam 3 slope re-grading  
as specified within the  
2002 Geotechnical  
Report



**Photo 4**

Dam 3 access road re-  
grading to correct minor  
erosion that took place  
with the spring run-off in  
2002.



Photo 5

Spill Report No. 02-528  
outside of Mill Paste  
Building.



Photo 6

Spill Report No.02-528  
outside of Mill Paste  
Building. Area cleaned  
up and graded with  
crushed wasterock.



Photo 7

Centre Zone Crown Pillar reclamation as of March 16, 2003. Total tailings placed in 2002 amounted to 20,074 dry short tons. Approximately 22% moisture is included in the backfill along with 0.5-0.8% cement.

View from south.



Photo 8

Centre Zone Crown Pillar; photo taken March 16, 2003 at near completion of backfilling program.

View from north.





Photo 9

Vacumm breaker  
reclamation with  
vegetation establishing  
naturally since 1995.



Photo 10

Old airstrip (road and  
laydown area) reclaimed  
in 1995 and scarified  
(with ripper on grader) in  
1999. Note vegetation  
naturally establishing in  
the "furrows".





Photo 11

Deep tillage unit custom  
fitter for work on esker  
cover.



Photo 12

Deep tillage unit working  
over the esker cover of  
Cell 1a.

The unit achieves the  
purpose of scarifying the  
surface as well as  
bringing coarse material  
to the top providing  
protection for new  
vegetation.

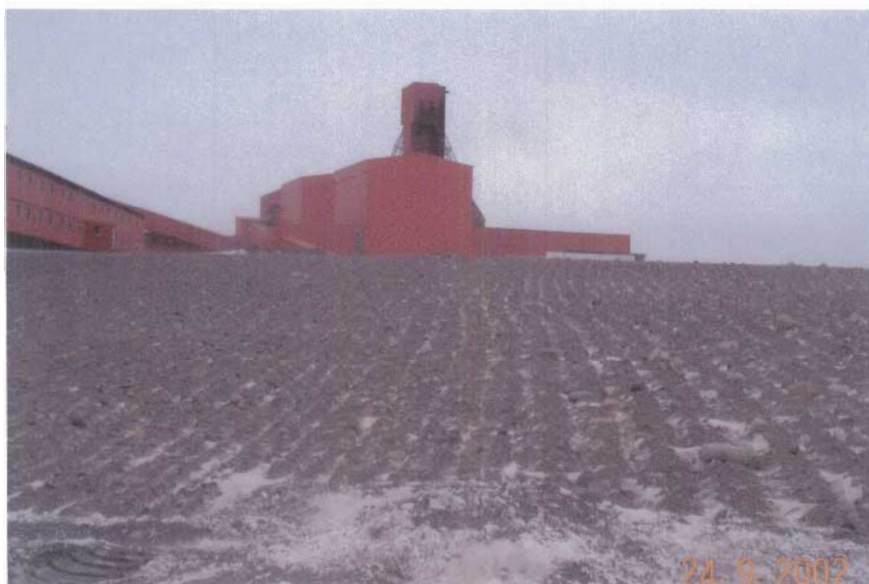


Photo 13

East Zone esker cover regraded and tilled with the customized deep tillage unit. The collection of snow within the furrows indicates the potential for collecting air transported seeds.



Photo 14

Cell No.1 subsurface water quality and saturation investigation. This information is being gathered to support alternate closure options for the Lupin TCA.

## **APPENDIX C**

**Norwest Labs Ltd.**  
**Sample Analysis - QC Data**

## Test Report

#3, 6125 12th Street SE  
Calgary, Alberta Canada T2H 2K1  
tel (403) 253-7121  
fax (403) 252-9363

Client: NOR239	Sample: 20021051
----------------	------------------

### Client

Client: Norwest Labs  
Address: 9938 - 67 Ave  
City: Edmonton  
Country: Canada

Operation: Edmonton

Prov./State: Alberta  
Postal/ZIP Code: T6E 0P5

Billing: Lot 188383  
Tel: (780) 438-5522

Contact: Anthony Neumann  
Fax: (780) 438-0396

### Sample

type	water				
collected	2002/08/22	at	not given	by	not given
shipped	2002/08/23	by	Loomis		
received	2002/08/26	at	0840	by	J. Fine
container	2 x 500 mL plastic bottles				
seals	none	initials	no	frozen	no
storage	4 ± 2 °C in darkness			initial temperature (°C)	20
disposed on		by		method	

### Physical and Chemical Measurements at Sample Receipt

lab code	-1	-2	-3	-4	-5	-6	-7
client code	721953						

#### water/effluent/pore water

pH	7.8
EC (uS/cm)	852
DO (mg/L)	7.1
temp (°C)	22.5
alkalinity	not done
hardness	214
NH4 (mg/L)	not done
TRC (mg/L)	not done
colour	clear
odour	odourless

#### soil/sediment

moisture (%)	na
sand:silt:clay	na
TOC (%)	na

### Test Log

type	DA-S
number	20023065
started	2002/08/27
ended	2002/08/29
reported	2002/09/04
faxed	2002/08/29

Notes: D, definitive; S, single treatment; EC, electrical conductivity; DO, dissolved oxygen; TRC, total residual chlorine;  
TOC, total organic carbon; na, not applicable



## Test Report

#3, 6125 12th Street SE  
Calgary, Alberta Canada T2H 2K1  
Tel (403) 253-7121  
Fax (403) 252-9363

Client: NOR239	Sample: 20021051	Test: 20023065
----------------	------------------	----------------

**Method** *Daphnia* 48h Static Acute Test (undiluted sample plus a control)  
**Reference:** Biological Test Method: Reference Method for Determining Acute Lethality of Effluents to *Daphnia magna*, 1990. Environ. Can., EPS 1/RM/14. (amended 1996 and 2000 )

**Client:** Norwest Labs

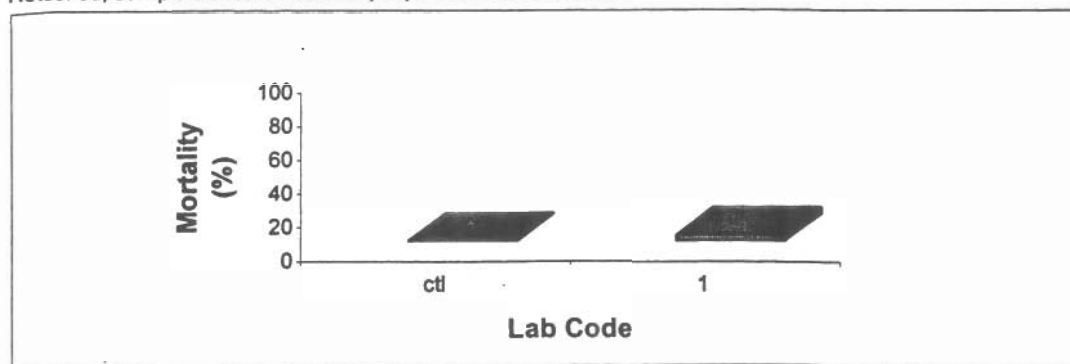
**Sample:**  
description: water  
collected: 2002/08/22 at not given by not given  
received: 2002/08/26 at 0840 by J. Fine

**Test:**  
started: 2002/08/27 at 0945 by F. Jakulj  
ended: 2002/08/29 at 930 by F. Jakulj  
reported: 2002/09/04 by I. Carleton-Dodds

**Result:**

Lab Code	Client Code	Mortality (%)			Comment
		mean	sd	cv(%)	
1	lab control	0	0	0	none
	721953	3	1	17	not toxic as tested

Notes: sd, sample standard deviation; cv, coefficient of variance



## Test Report

#3, 6125 12th Street SE  
Calgary, Alberta Canada T2H 2K1  
Tel (403) 253-7121  
Fax (403) 252-9363

### Test Data

Client: NOR239 Sample: 20021051 Test: 20023065

Day	Time	Technician	Comment/Observation
0	0945	F. Jakulj	test daphnia appear normal
1	1045	C. Tomkin	test daphnia appear normal; 100%b-1F; c-1B
2	930	F. Jakulj	test daphnia appear normal

lab code	ctl	1					
----------	-----	---	--	--	--	--	--

day	pH (units)						
0	8.4	8.0					
1							
2	8.4	7.7					

	EC (uS/cm)						
0	352	795					
1							
2	366	898					

	DO (mg/L)						
0	8.2	8.6					
1							
2	7.2	7.1					

	Temperature (°C)						
0	22	19					
1							
2	22	21					

replicate	Number Alive - day 1 (F, floating; I, immobile; B, stuck on bubble; D, caught in debris)						
a	10	10					
b	10	10					
c	10	10					

	Number Alive - day 2						
a	10	10					
b	10	10					
c	10	9					

Comments: organism: <24 h old *Daphnia magna* from in-house cultures from culture jar: C1  
Cultures time to first brood (d): 8 brood size (neonates per brood): 16  
No adjustments were made to sample pH and hardness before testing. The sample was not aerated before testing. Lab dilution water hardness was (mg CaCO<sub>3</sub>/L): 182 water pail: B  
The test was conducted in 385 mL plastic vessels containing 150 mL of test solution and ten daphnids (loading density of 15 mL per daphnid or neonate).  
There were no protocol deviations during the conduct of this test.

Notes: EC, electrical conductivity; DO, dissolved oxygen; nd, not done

The test data and results are verified correct.

Authorized by: B. Unis, B.Sc., Quality Assurance Officer

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Calgary, Alberta Canada T2H 2K1  
tel (403) 253-7121  
fax (403) 252-9363

Client:	NOR239	Sample:	20021051
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### Client

Client: Norwest Labs  
Address: 9938 - 67 Ave  
City: Edmonton  
Country: Canada

Operation: Edmonton

Prov./State: Alberta  
Postal/ZIP Code: T6E 0P5

Billing: Lot 188383  
Tel: (780) 438-5522

Contact: Anthony Neumann  
Fax: (780) 438-0396

### Sample

type	water				
collected	2002/08/22	at	not given	by	not given
shipped	2002/08/23	by	Loomis		
received	2002/08/26	at	0840	by	J. Fine
container	2 x 500 mL plastic bottles				
seals	none	initials	no	frozen	no
storage	4 ± 2 °C in darkness			initial temperature (°C)	20
disposed on		by		method	

### Physical and Chemical Measurements at Sample Receipt

lab code	-1	-2	-3	-4	-5	-6	-7
client code	721953						

#### water/effluent/pore water

pH	7.8
EC (uS/cm)	852
DO (mg/L)	7.1
temp (°C)	22.5
alkalinity	not done
hardness	214
NH4 (mg/L)	not done
TRC (mg/L)	not done
colour	clear
odour	odourless

#### soil/sediment

moisture (%)	na
sand:silt:clay	na
TOC (%)	na

### Test Log

type	DA-S
number	20023065
started	2002/08/27
ended	2002/08/29
reported	2002/09/04
faxed	2002/08/29

Notes: D, definitive; S, single treatment; EC, electrical conductivity; DO, dissolved oxygen; TRC, total residual chlorine;  
TOC, total organic carbon; na, not applicable

## Test Report

Client: NOR239	Sample: 20021051	Test: 20023065
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**Method** *Daphnia* 48h Static Acute Test (undiluted sample plus a control)  
**Reference:** Biological Test Method: Reference Method for Determining Acute Lethality of Effluents to *Daphnia magna*, 1990. Environ. Can., EPS 1/RM/14. (amended 1996 and 2000)

**Client:** Norwest Labs

**Sample:**

description: water

collected: 2002/08/22	at	not given	by	not given
received: 2002/08/26	at	0840	by	J. Fine

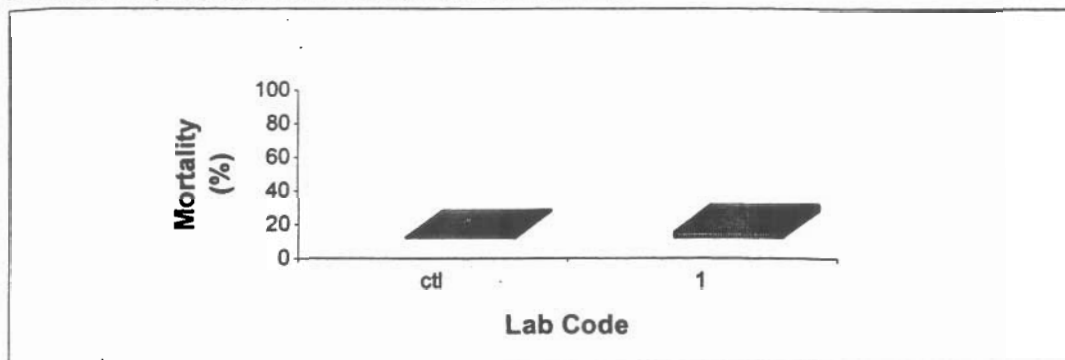
**Test:**

started: 2002/08/27	at	0945	by	F. Jakulj
ended: 2002/08/29	at	930	by	F. Jakulj
reported: 2002/09/04			by	I. Carleton-Dodds

**Result:**

Lab Code	Client Code	Mortality (%)			Comment
		mean	sd	cv(%)	
1	lab control 721953	0 3	0 1	0 17	none not toxic as tested

Notes: sd, sample standard deviation; cv, coefficient of variance





## Test Report

#3, 6125 12th Street SE  
Calgary, Alberta Canada T2H 2K1  
Tel (403) 253-7121  
Fax (403) 252-9363

### Test Data

Client: NOR239 Sample: 20021051 Test: 20023065

Day	Time	Technician	Comment/Observation
0	0945	F. Jakulj	test daphnia appear normal
1	1045	C. Tomkin	test daphnia appear normal; 100%b-1F; c-1B
2	930	F. Jakulj	test daphnia appear normal

lab code	ctl	1						
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day	pH (units)							
0	8.4	8.0						
1								
2	8.4	7.7						

	EC (uS/cm)							
0	352	795						
1								
2	366	898						

	DO (mg/L)							
0	8.2	8.6						
1								
2	7.2	7.1						

	Temperature (°C)							
0	22	19						
1								
2	22	21						

replicate	Number Alive - day 1 (F, floating; I, immobile; B, stuck on bubble; D, caught in debris)							
a	10	10						
b	10	10						
c	10	10						

	Number Alive - day 2							
a	10	10						
b	10	10						
c	10	9						

Comments: organism: <24 h old *Daphnia magna* from in-house cultures from culture jar: C1  
Cultures time to first brood (d): 8 brood size (neonates per brood): 16  
No adjustments were made to sample pH and hardness before testing. The sample was not aerated before testing. Lab dilution water hardness was (mg CaCO<sub>3</sub>/L): 182 water pail: B  
The test was conducted in 385 mL plastic vessels containing 150 mL of test solution and ten daphnids (loading density of 15 mL per daphnid or neonate).  
There were no protocol deviations during the conduct of this test.

Notes: EC, electrical conductivity; DO, dissolved oxygen; nd, not done

The test data and results are verified correct.

*[Signature]*  
Authorized by: B. Unis, B.Sc., Quality Assurance Officer