



42A07NE2015 2.20423 CURRIE

010

2000 DIAMOND DRILLING

CURRIE WEST CLAIMS
FALCONBRIDGE OPTION
CURRIE-BOWMAN PROJECT

ECHO BAY MINES LTD.

Paul Degagne
Project Geologist

May 8, 2000
Timmins, Ontario

2.20423

Summary

The Currie-Bowman Project (Falconbridge Option) is located in central Currie and Bowman Townships, approximately 55 kilometers east of Timmins, Ontario. The property consists of three separate claim blocks totaling 30 claims (102 units).

From February 5 to March 5, 2000, five holes totaling 1,652 meters were drilled to test for gold mineralization on the Currie West block. Three holes tested the Grindstone Creek Showing, where drilling in 1999 intersected **2.08 gpt Au, 19 gpt Ag, and 0.5% Zn over 18.9 meters** in hole CB-04. Two holes tested separate IP anomalies west of the showing. During the drilling program, Crone Geophysics completed a borehole EM survey hole CB-06 in an attempt to identify off-hole sulphides associated with the Grindstone Creek zone.

Results from the 2000 drilling program were mixed. All three holes testing the Grindstone Creek zone intersected thick intervals of pyrite-sericite schist associated with the Grindstone Creek horizon. Significant gold mineralization was intersected in hole CB-07, which returned **3.95 gpt Au, 132 gpt Ag and 3% Zn over 2.1m (HW zone) and 2.6 gpt Au, 8.2 gpt Ag and 0.19% Zn over 5.05m (FW zone)**. Anomalous silver and zinc values were intersected in holes CB-06 and CB-08, which returned up to **0.39 gpt Au, 14.4 gpt Ag and 0.2% Zn over 7.0 meters and 0.13 gpt Au, 23.4 gpt Ag and 0.1% Zn over 9.25 meters** respectively. Holes CB-09 and CB-10 failed to intersect anomalous gold mineralization.

Although not strong, the borehole survey identified a response west of hole CB-06 at a depth of 360m and most likely represents sulphides associated with the zone. The area west of CB-06 has not been tested at depth.

Low priority targets remain to be drill tested west of Grindstone Creek, however, future drilling should concentrate on the Grindstone Creek mineralized horizon east of line 132E and on the zone at depth, west of hole CB-06.

An IP survey completed during the drilling program has identified a zone of high chargeability that extends east from L132E to L140E. This chargeability anomaly appears to represent the eastern strike extension of the Grindstone Creek zone and should be tested by a minimum of four drill holes.

In addition, two deeper holes should be drilled west of hole CB-06, below hole CB-04 on the Grindstone Creek zone. This drilling would test for a possible steep westerly rake of the mineralization intersected in holes CB-04 and CB-07.

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1.0 Introduction

The Currie–Bowman Project comprises three separate claim blocks totaling 30 claims in central Currie and Bowman Townships, approximately 55 kilometers east of Timmins.

The project is under option from Falconbridge Limited. Under the terms of the agreement, Echo Bay Mines Ltd. can earn 100% of Falconbridge's 60% interest in the property (subject to a Falconbridge back-in) by making payments totaling \$60,000 over three years and expenditures of \$550,000 by December, 2002. The remaining 40% interest in the property belongs to Cross Lake Minerals.

This report describes the results of a diamond drill program completed in February and March of 2000. The purpose of the drilling was to test for gold mineralization on the Grindstone Creek zone, located on claim 1198869 in concession III, lots 8 and 9 of Currie Township, as well as two separate IP targets located west of the zone.

The Grindstone Creek zone was first drilled by Falconbridge in 1995/1996 while exploring for base metals on the property. Five holes were drilled approximately 450 meters east of Grindstone Creek to test HLEM and enzyme leach anomalies. Although no significant base metals were intersected, the holes drilled through a thick zone of auriferous pyrite-sericite schist with anomalous gold values including **3.5 gpt Au over 2.25 meters** (hole CUR32-2). In December, 1998, Echo Bay Mines Ltd. optioned the property from Falconbridge and completed an IP survey to the west of the Falconbridge drilling. In February and March of 1999, five holes totaling 1,550 meters were drilled to test the west strike extension of the mineralization intersected in the Falconbridge drill holes. During this drilling program, hole CB-04 intersected **2.08 gpt Au, 19 gpt Ag, and 0.5% Zn over 18.9 meters** approximately 50 meters west and 50 meters vertically below hole CUR32-2.

2.0 Location and Access (figures 1,2)

The Currie – Bowman claims are situated in central Currie and Bowman Townships. The west property boundary is located approximately 50 kilometers east of Timmins along the Bond and Currie Township line, the eastern property boundary extends to the eastern portion of Bowman Township, approximately 4 kilometers south of the town of Matheson.

The claims are readily accessible via a number of all season gravel roads extending south from Highway 101 between Shillington and Matheson. Access to the Grindstone Creek Zone is via Currie Township Road 4, which extends south for 4.8 kilometers from highway 101. An 800 meter trail heading south from the end of this road leads directly to the zone.

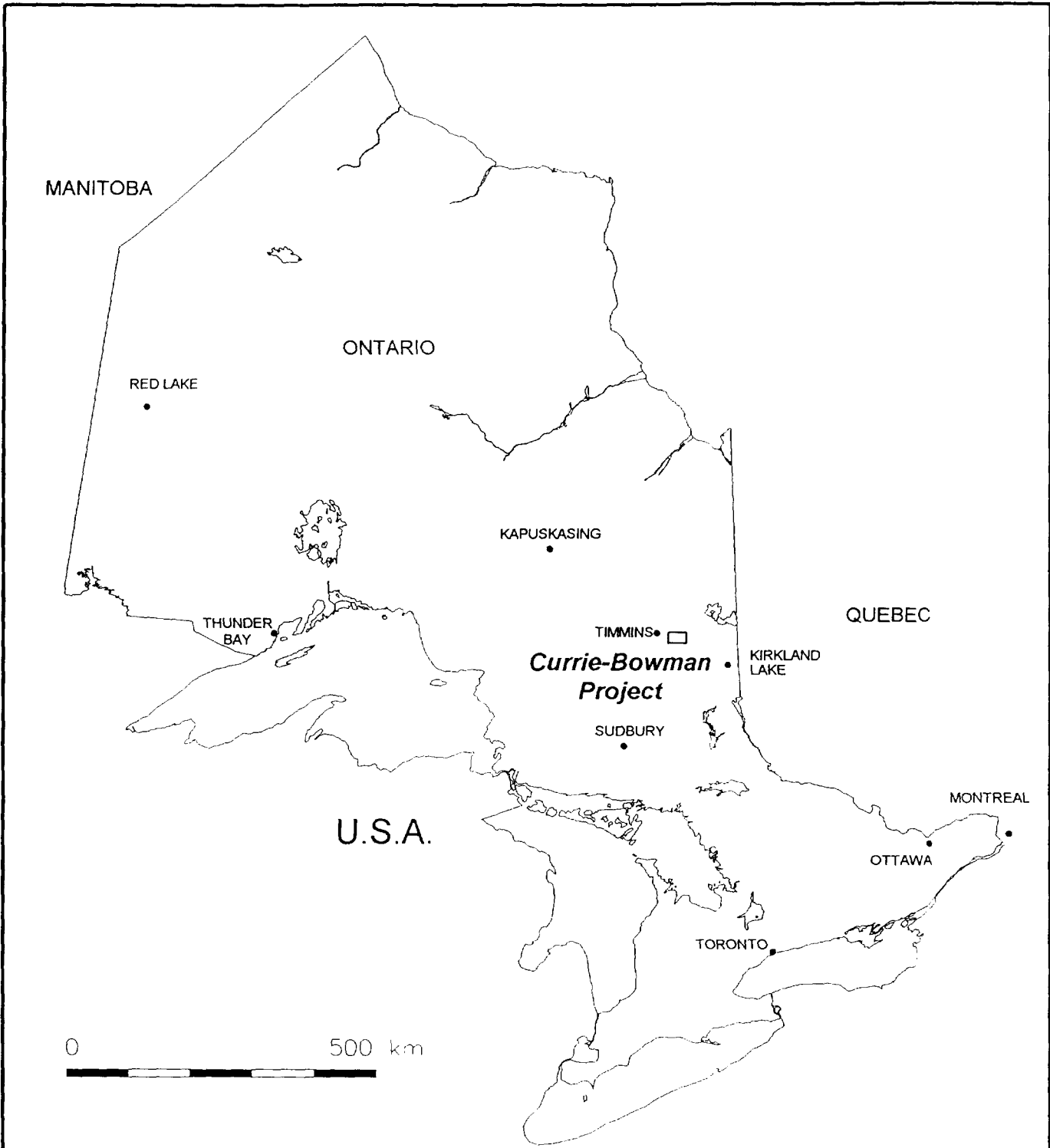
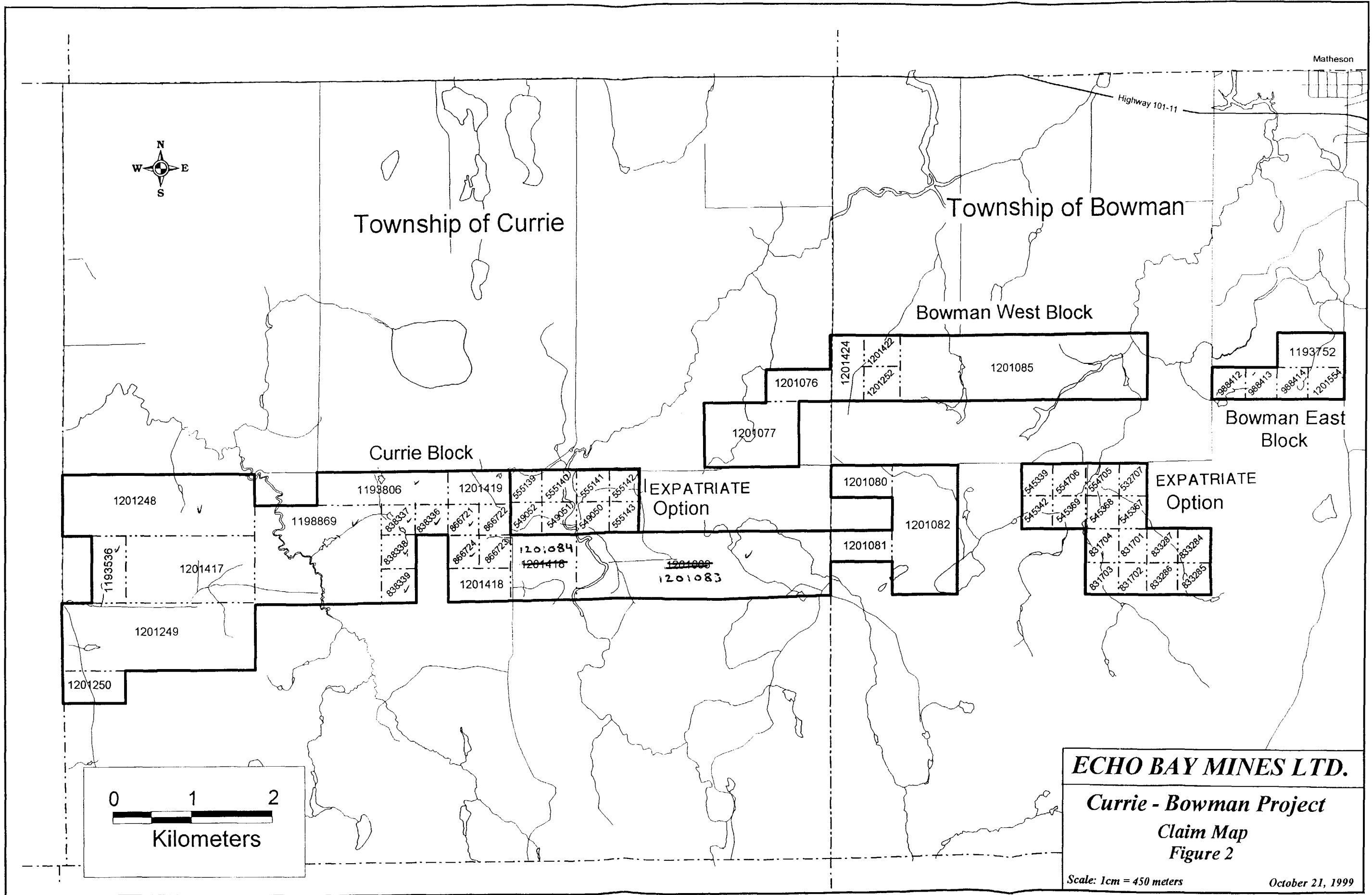


Figure 1: Currie-Bowman Project Location Map



ECHO BAY MINES LTD.
Currie - Bowman Project
Claim Map
Figure 2
 Scale: 1cm = 450 meters
 October 21, 1999

3.0 Property Status

The property comprises 3 separate claim blocks totaling 30 claims in central Currie and Bowman Townships. All claims are unpatented mining claims registered in the Larder Lake Mining Division, administered out of Kirkland Lake, Ontario.

A summary of the status for the individual claims is presented below.

BOWMAN EAST BLOCK

Claim No.	Units	Township	Recording Date	Due Date
998412	1	Bowman	12-31-1987	12-31-2002
998413	1	Bowman	12-31-1987	12-31-2002
998414	1	Bowman	12-31-1987	12-31-2002
1193752	2	Bowman	01-24-1994	01-24-2002
1201554	1	Bowman	01-24-1994	01-24-2002

BOWMAN WEST BLOCK

Claim No.	Units	Township	Recording Date	Due Date
1201085	16	Bowman	09-20-1993	09-20-2001
1201252	1	Bowman	11-24-1993	11-24-2001
1201422	2	Bowman	01-11-1994	01-11-2001
1201424	2	Bowman	01-11-1994	01-11-2001
1201076	2	Currie	09-20-1993	01-20-2001
1201077	6	Currie	09-20-1993	09-20-2001

CURRIE BLOCK

Claim No.	Units	Township	Recording Date	Due Date
1193536	2	Currie	02-21-1994	02-21-2002
1193806	4	Currie	12-14-1993	12-14-2002
1198869	12	Currie	03-10-1994	03-10-2002
1201080	2	Bowman	09-20-1993	09-20-2003
1201081	2	Bowman	09-20-1993	09-20-2002
1201082	8	Bowman	09-20-1993	09-20-2002

1201083	16	Currie	09-20-1993	09-20-2002
1201084	4	Currie	09-20-1993	09-20-2002
1201248	12	Currie	11-24-1993	11-24-2002
1201249	12	Currie	11-24-1993	11-24-2002
1201250	2	Currie	11-24-1993	11-24-2002
1201417	8	Currie	01-11-1994	01-11-2002
1201418	2	Currie	01-11-1994	01-11-2002
1201419	2	Currie	01-11-1994	01-11-2002
838336	1	Currie	04-04-1985	04-04-2002
838337	1	Currie	04-04-1985	04-04-2002
838339	1	Currie	04-04-1985	04-04-2002
866721	1	Currie	10-11-1985	10-11-2002
866722	1	Currie	10-11-1985	10-11-2002
866723	1	Currie	10-11-1985	10-11-2002
866723	1	Currie	10-11-1985	10-11-2002

4.0 PERSONNEL

The drilling contract was awarded to NDS Drilling of Timmins, Ontario. Paul Degagne of Echo Bay Mines Ltd. supervised the drilling program and logged all drill core. Randy Pierce and Dean Humphry of Timmins were contracted on a daily basis to cut core samples. All core samples were analyzed by Bondar-Clegg Laboratories for Au (fire assay) and 34 element I.C.P.

5.0 2000 DRILLING PROGRAM

Five holes totaling 1,652 meters were drilled between February 5 and March 5, 2000.

Three holes (CB-06, CB-07 and CB-08) tested the Grindstone Creek Zone in the vicinity of hole CB-04 drilled in 1999. Hole CB-06 was planned to intersect the zone 75 meters below hole CB-04, however, due to deviation, the hole actually cut the zone approximately 60 meters below hole CB-04. As planned, holes CB-07 and CB-08 tested the zone 40 meters below and 50 and 100 meters east of hole CB-04 respectively.

All holes intersected between 30 to 50 meters of pyrite-sericite schist associated with the Grindstone Creek zone. As in the 1999 drilling, a diabase sill averaging 25 meters in drill thickness divides the zone into hangingwall and footwall segments. In general, the hangingwall portion of the zone includes an interval of massive to semi-massive pyrite that sits stratigraphically along an argillite-dacite tuff contact, grading to heavily banded pyrite (>20%) within silicified to sericite altered dacite tuff. Footwall to the dyke, pyrite content generally decreases to between 10% to 20% and occurs as bands or laminations parallel to foliation and fine disseminated grains within a moderate to strong sericite altered dacite tuff. Pyrite content and intensity of alteration decrease gradually downhole into a relatively unaltered and unmineralized tuff. Sphalerite occurs as both fine to coarse stringers associated with galena in late cross-cutting quartz stringers within

the massive to semi-massive portion of the zone, or as fine yellow to yellowish brown disseminated grains in the underlying banded pyrite-sericite schist.

Holes CB-09 and CB-10 tested two separate I.P. anomalies west of Grindstone Creek. Both holes collared and remained in mafic to intermediate tuff. The I.P. anomalies were intersected as planned, consisting of sericite-pyrite (up to 5%) altered sections of the tuffaceous units.

Tables 1 and 2 summarize the drilling results. Figures 3a to 3c are plans showing drill hole locations. Drill logs and sections of individual drill holes and all assay certificates are appended. Two vertical logitudinal sections of the all holes intersecting the Grindstone Creek Zone are shown in figures 4a and 4b. Individual drill holes are summarized below.

All holes were drilled with NQ size core, which is currently being stored at Echo Bay's Timmins exploration office.

Table 1

2000 Currie-Bowman Drill Program Drill Hole Location Summary				
DDH	Location	Azimuth / Dip	Depth	Target Intersection
DDH CB-06	13100E / 9965N	360 / -60	419 m	344.3 m – 357.4 m (HW zone) 370.7 m – 392.0 m (FW zone)
DDH CB-07	13150E / 9975N	360 / -60	371 m	271.9 m – 279.6 m (HW zone) 315.7 m – 354.0 m (FW Zone)
DDH CB-08	13200E / 9930N	360 / -60	392 m	293.0 m – 323.6 m (HW zone) 347.6 m – 365.9 m (FW zone)
DDH CB-09	10500E / 9450N	360 / -50	270 m	214.7 m – 249.7 m
DDH CB-10	12000E / 10250N	360 / -50	200 m	152.0 m – 155.8 m

Table 2

2000 Currie-Bowman Drilling Program Summary of Results				
DDH	Location	Interval	Width	Results
DDH CB-06	13100E / 9965N	344.0 – 357.4	14.4m	0.30g Au, 2.6g Ag
		370.7 – 392.0 incl.	21.3m	0.19g Au, 6.1g Ag, 0.4% Zn
		370.7 – 377.7	7.0m	0.39g Au, 14.3g Ag, 0.2% Zn
DDH CB-07	13150E / 9975N	271.9 – 279.6 incl.	7.7m	1.31g Au, 39.7g Ag, 0.8%Zn
		271.9 – 274.0	2.1m	3.95g Au, 132g Ag, 3.0% Zn
		311.0 – 323.8 incl.	12.8m	1.78g Au, 7.1g Ag, 0.15% Zn
		315.75 – 320.8	5.05m	2.6g Au, 8.2g Ag, 0.19% Zn
DDH CB-08	13200E / 9930N	292.1 – 294.4	2.3m	0.23g Au, 20.6g Ag, 0.3%Zn
		307.85 – 317.1	9.25m	0.13g Au, 23.4g Ag, 0.09% Zn
DDH CB-09	10500E / 9450N			No Significant Results
DDH CB-10	12000E / 10250N			No Significant Results

6.0 Borehole EM Survey

On February 15, 2000, Crone Geophysics completed a borehole EM survey on CB-06 to determine off-hole EM responses (massive pyrite) associated with the Grindstone Creek zone. The results of the survey were interpreted by Falconbridge Limited's geophysical staff and are described below as quoted from a memo to Echo Bay from Falconbridge dated March 15, 2000. Survey plots with notes are appended.

"Hole CB-06 was surveyed using a footwall loop, which results in reversed coupled anomalies. A cross-over from positive to negative on the x component indicates that the source is located above the

hole, and vice versa for below the hole. A cross-over from positive to negative on the y-component indicates that the source is located left of the hole when one looks down the azimuth of the hole, and negative to positive for a source to the right of the hole.

The results from CB-06 do not show any strong responses. There are some early to mid-channel responses that outline poor conductors. The z component results show an 11 channel positive peak on the z component at 360m, with the nearest edge located 20m away. The source of the anomaly is located to the left (west). The positive peak on the x component indicates the source is located beside the hole rather than above or below the hole. There is also a 13 channel positive peak on the z component at 270m from the hole, located above and to the right (east) of the hole. This second anomaly is the stronger of the two.”

Based on Section 131E and the trace of hole CB-06, the response identified at 270m and east of the hole is most likely due to graphitic argillite. The response to the west at a depth of 360m appears to represent sulphides associated with the Grindstone Creek zone.

7.0 CONCLUSIONS AND RECOMMENDATIONS

A five hole, 1,652 meter drill program was completed on the Currie West claims of the Currie-Bowman property in February and March 2000.

Holes CB-06,07 and 08 tested the Grindstone Creek zone in the vicinity of hole CB-04 drilled in 1999. All holes intersected heavy pyrite mineralization and strong sericite alteration associated the zone. Significant gold, silver and zinc mineralization was intersected in CB-07, which returned **3.95 gpt Au, 132 gpt Ag, and 3% Zn over 2.1 meters** hangingwall to a diabase sill, and **2.6gpt Au, 8.2 gpt Ag, and 0.19% Zn over 5.05 meters** footwall to the sill. Holes CB-06 and CB-08 returned low gold values but intersected highly anomalous silver and zinc mineralization. A borehole EM survey was completed on hole CB-06, the results of which indicate a sulphide conductor associated with the Grindstone Creek zone west of the hole at a depth of 360m.

Holes CB-09 and CB-10, drilled west of Grindstone Creek on two separate IP targets failed to intersect anomalous gold values or Grindstone Creek zone-like mineralization/alteration.

Based on the results of both the 1999 and current (2000) drill programs, and on the results of the recently completed IP survey (refer to Report of Geophysics – Winter 2000) covering the eastern strike extension of the Grindstone Creek zone, the following is recommended:

- A minimum of two holes (425m each) should be drilled to test the Grindstone Creek zone west of hole CB-06. Hole CB-06 was originally designed to undercut hole CB-04 but due to an east deviation, undercut hole CB-07 by approximately 60m vertical. The area to the west of CB-06 and below CB-04 remain untested and should be drilled to test for a west plunge to the mineralization.

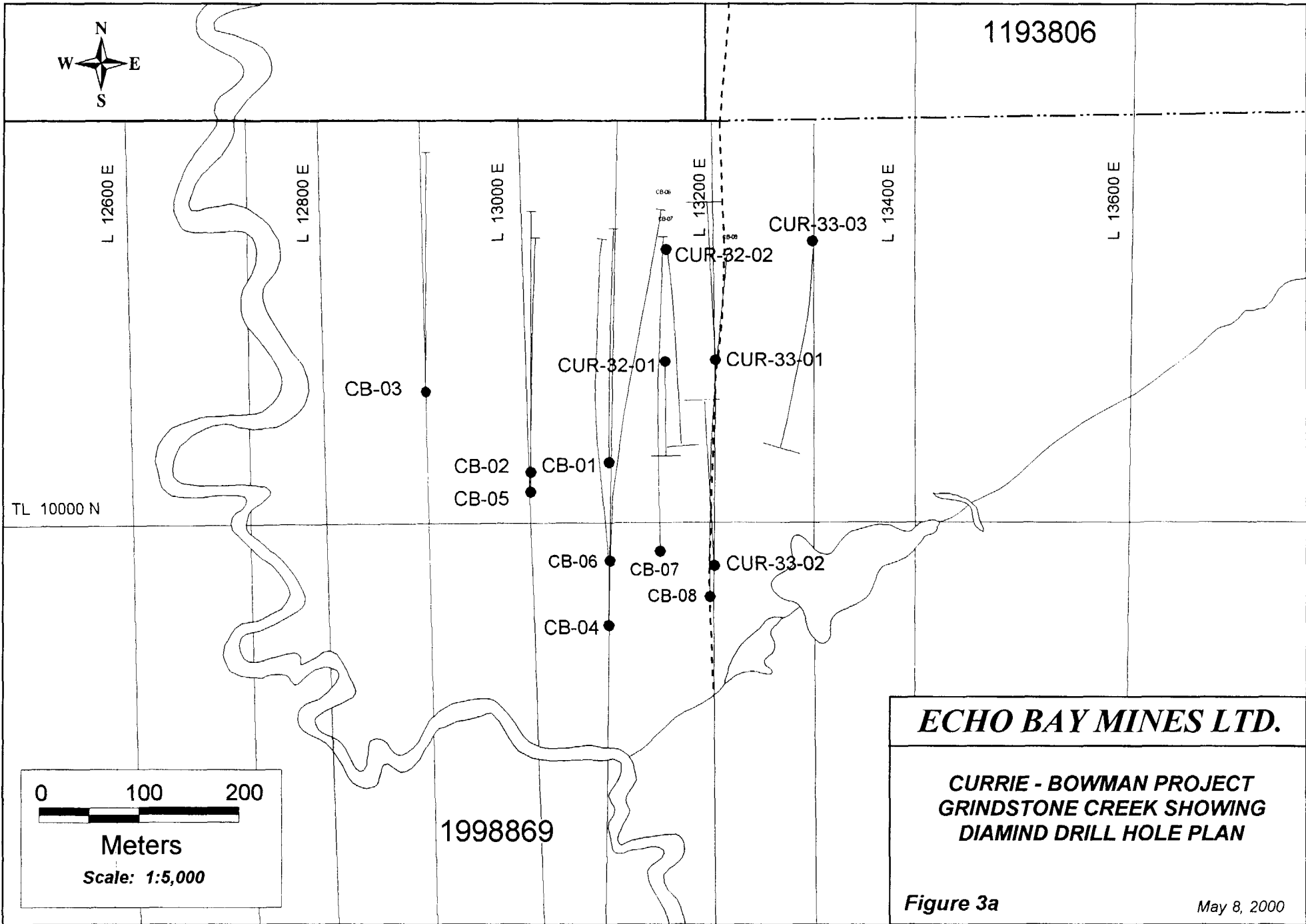
- A minimum of four holes should be drilled to test the east strike extension of the Grindstone Creek zone. A recently complete IP survey has extended the chargeability anomaly associated with the zone for 800 meters to the east. This area has never been drilled.
- Low priority targets still remain to be tested west of Grindstone Creek. Several holes should be drilled as a fence on several of the IP trends identified in the 1999 IP survey.

Respectfully submitted,



Paul Degagne
Project Geologist – Echo Bay Mines Ltd.

Timmins, Ontario
May 12, 2000



1193806



L 12600 E

L 12800 E

L 13000 E

L 13200 E

L 13400 E

L 13600 E

TL 10000 N

CB-03

CB-02

CB-05

CUR-32-01

CUR-32-02

CUR-33-03

CUR-33-01

CB-06

CB-07

CUR-33-02

CB-08

CB-04

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**CURRIE - BOWMAN PROJECT
GRINDSTONE CREEK SHOWING
DIAMOND DRILL HOLE PLAN**

Figure 3a

May 8, 2000

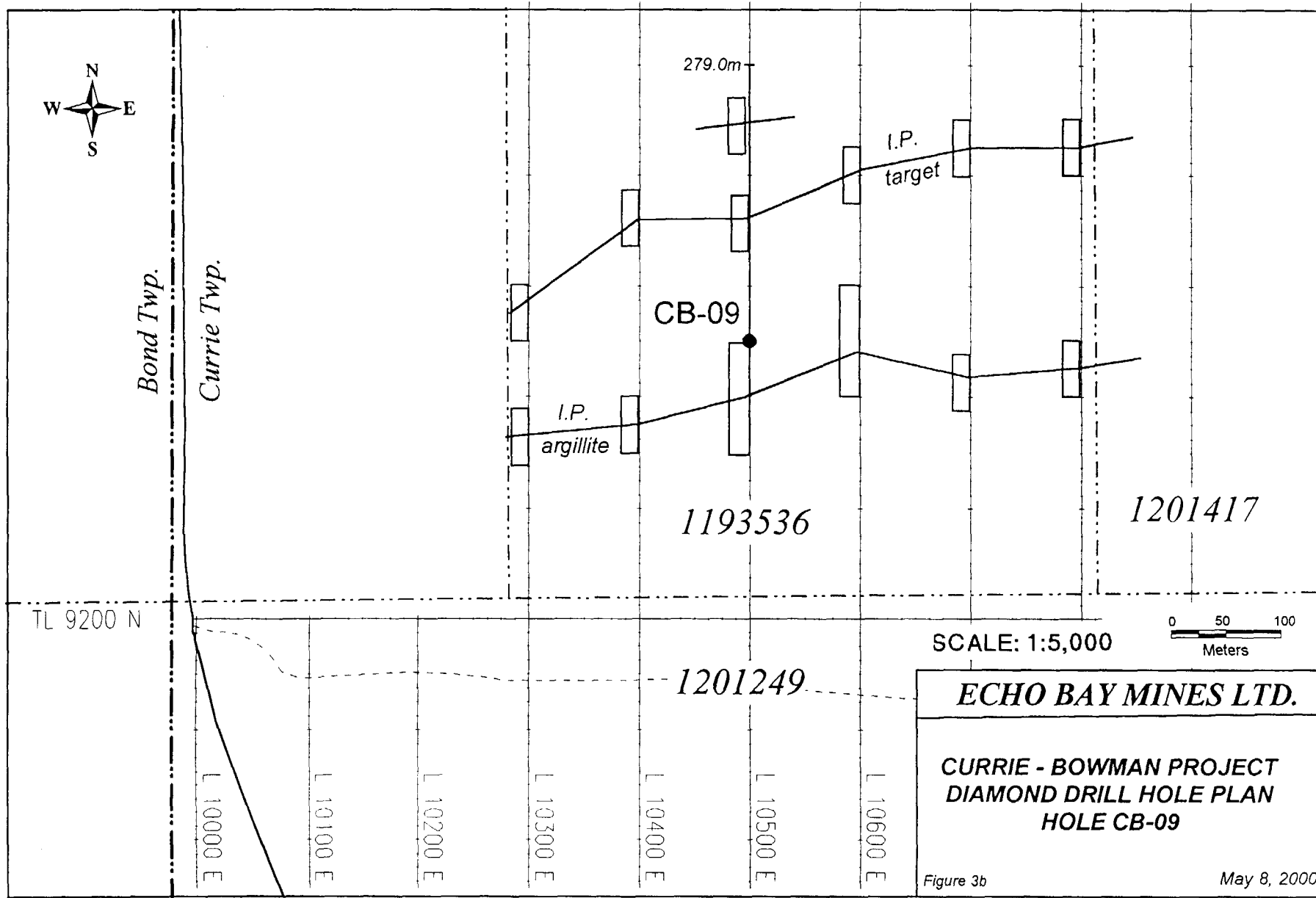
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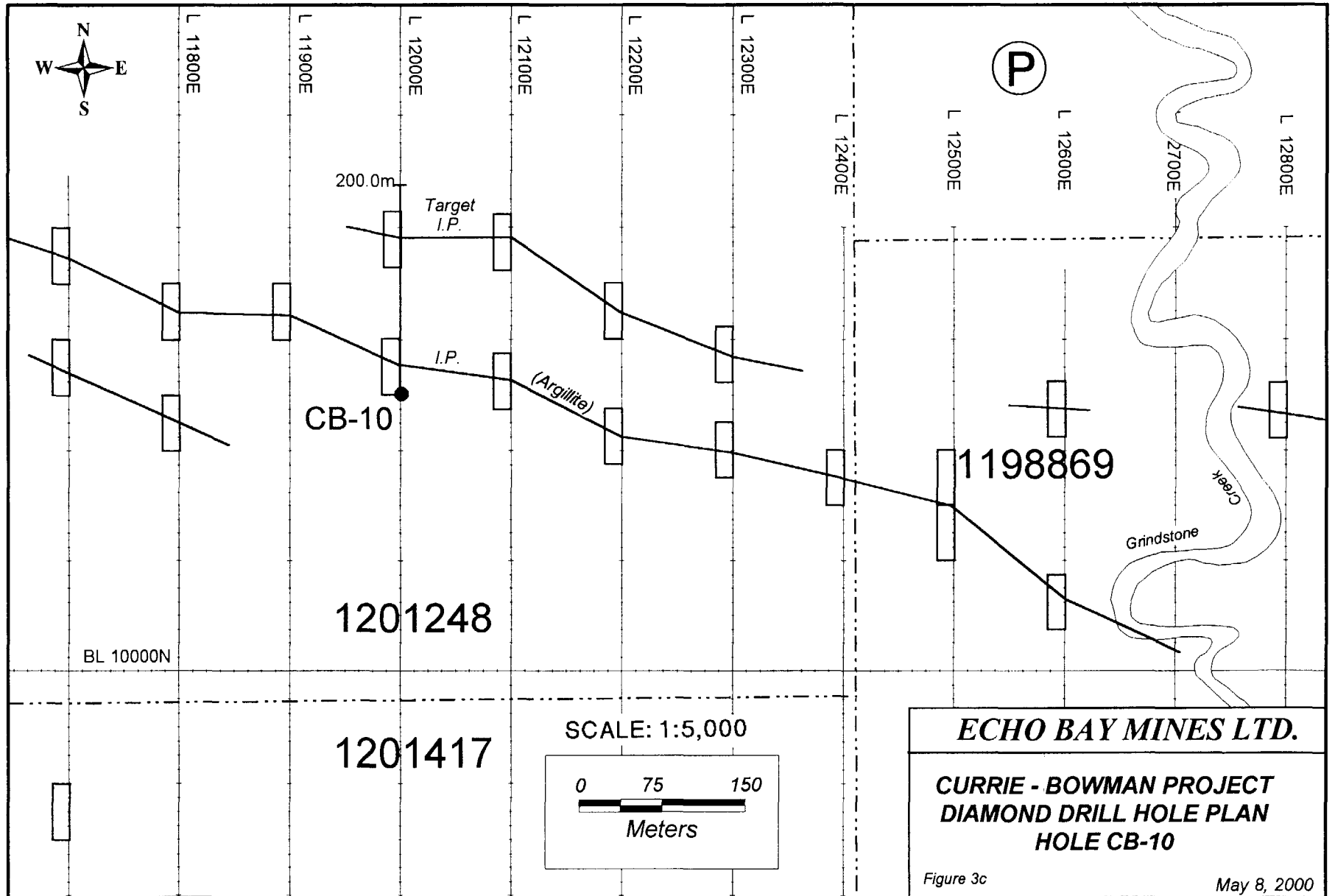


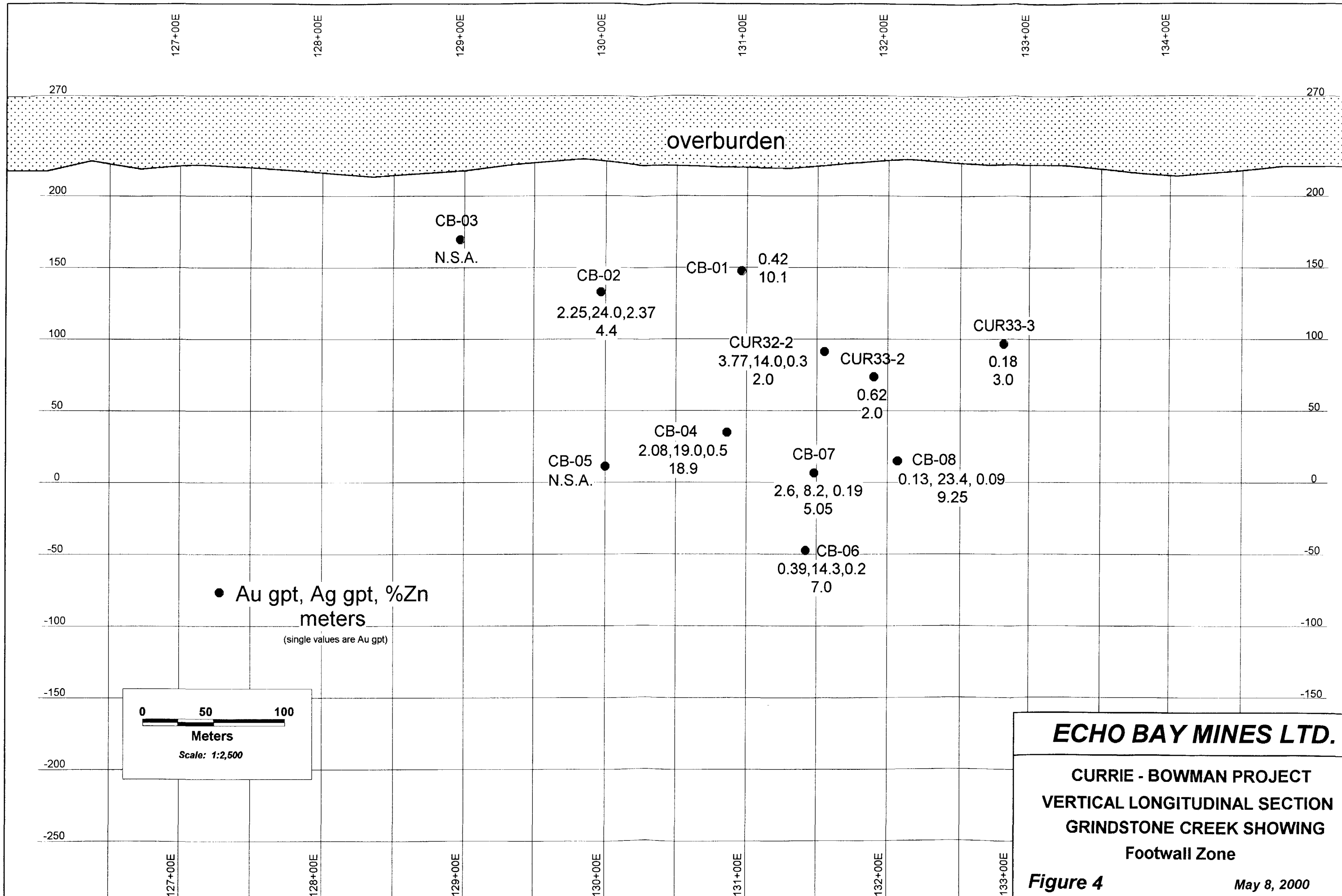
Meters

Scale: 1:5,000

1998869





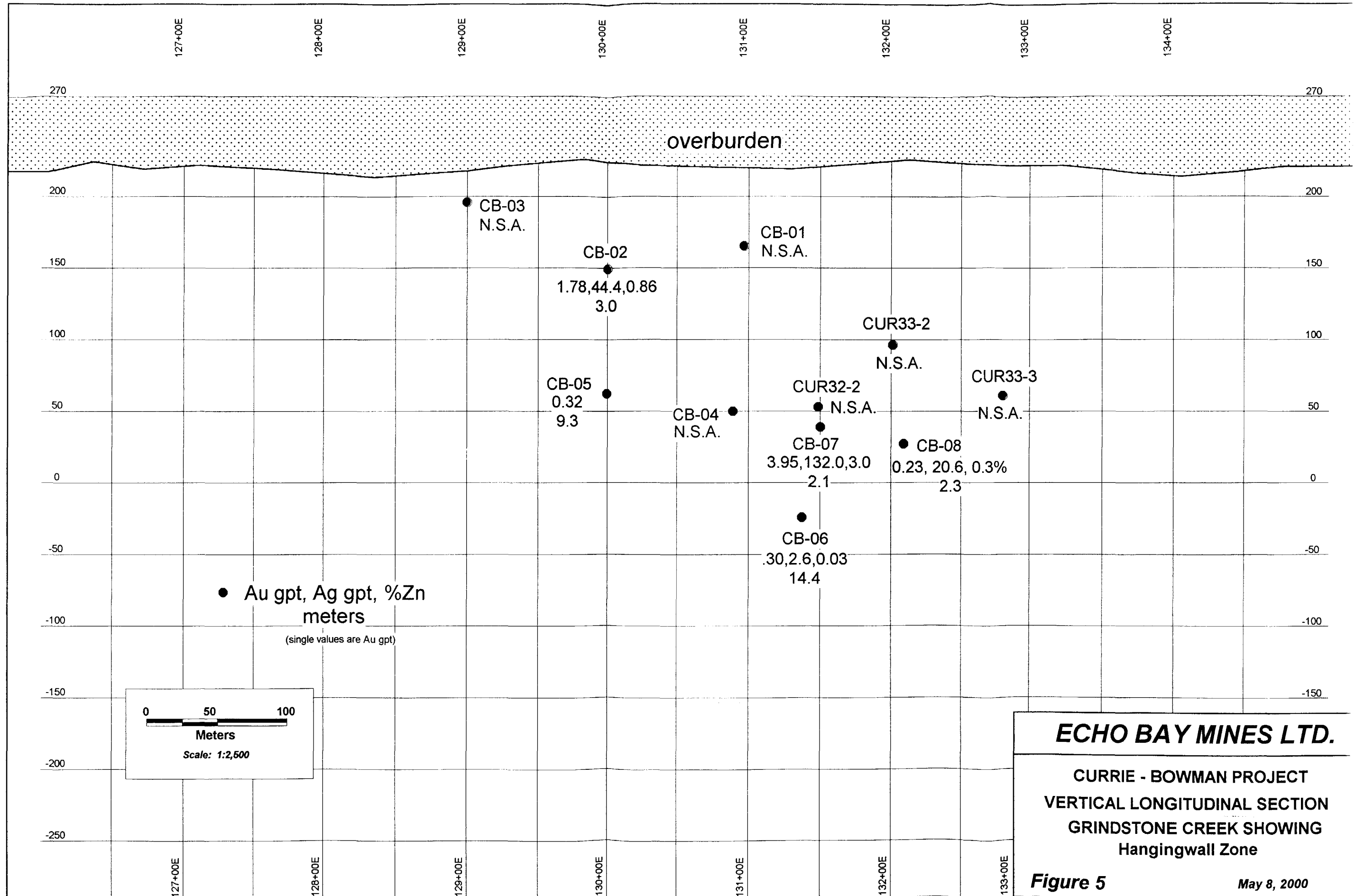


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**CURRIE - BOWMAN PROJECT
 VERTICAL LONGITUDINAL SECTION
 GRINDSTONE CREEK SHOWING
 Footwall Zone**

Figure 4

May 8, 2000



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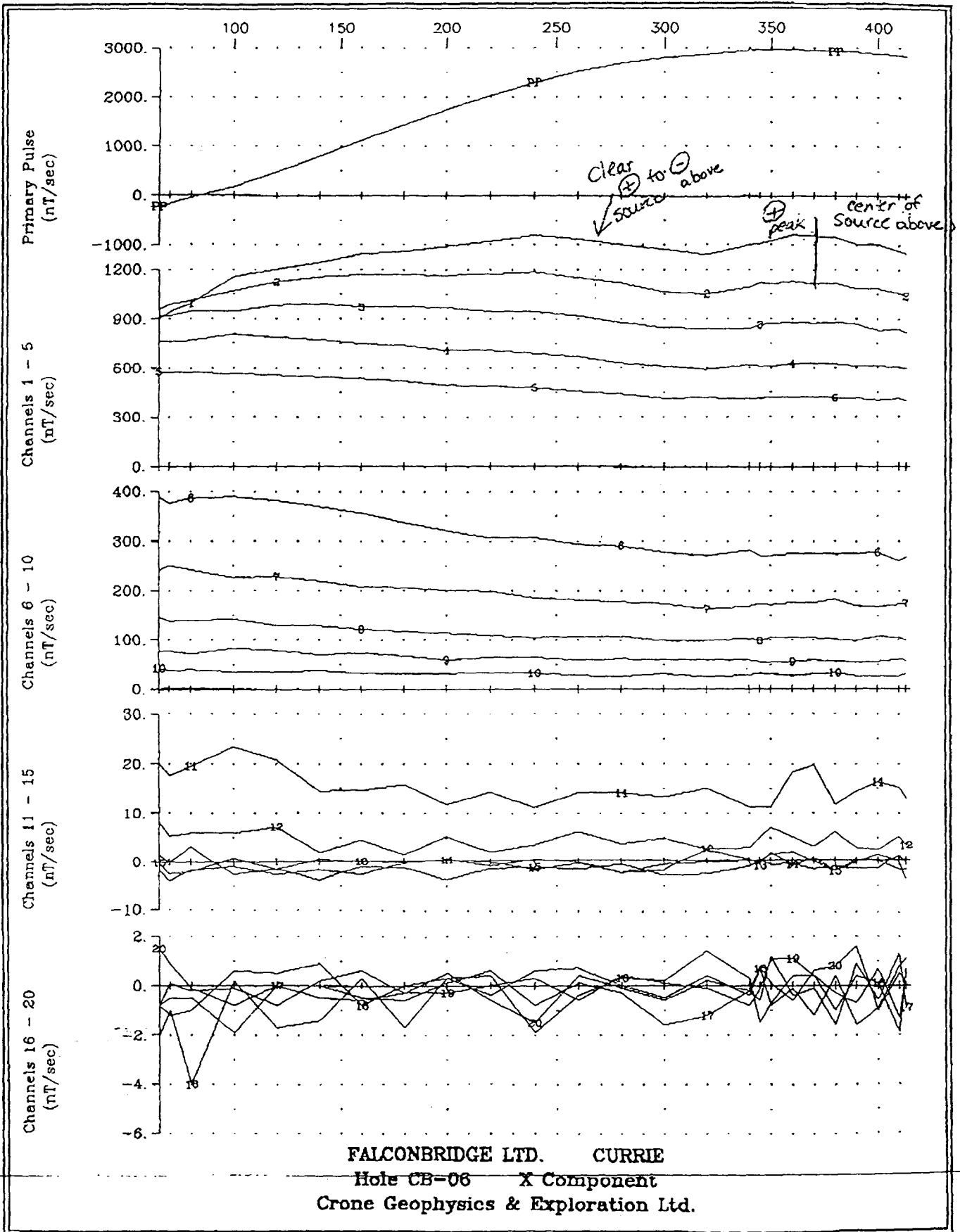
**CURRIE - BOWMAN PROJECT
 VERTICAL LONGITUDINAL SECTION
 GRINDSTONE CREEK SHOWING
 Hangingwall Zone**

Figure 5

May 8, 2000

Appendix I

BOREHOLE EM PLOTS



FALCONBRIDGE LTD. CURRIE
 Hole CB-06 X Component
 Crone Geophysics & Exploration Ltd.

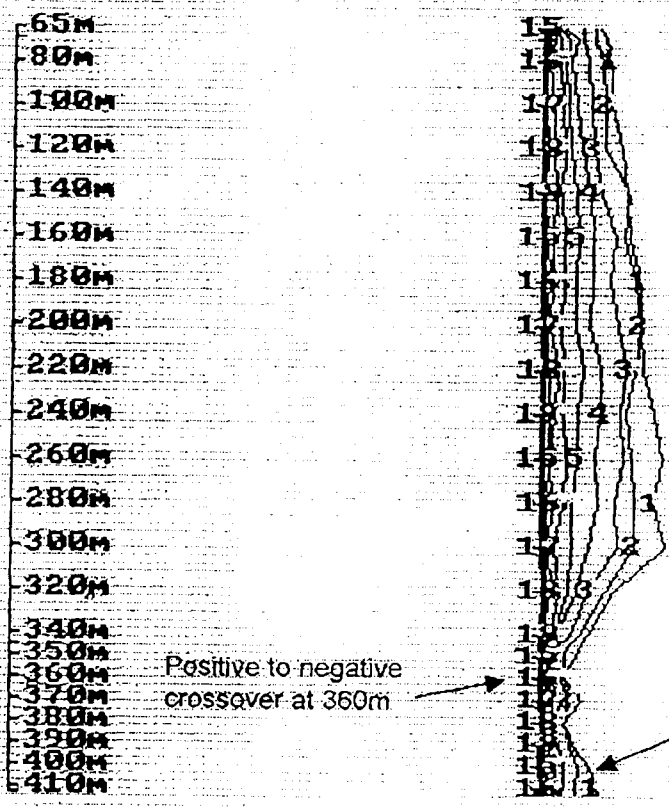
CRONE GEOPHYSICS & EXPLORATION LTD

Borehole Pulse EM Survey

Client : FALCONBRIDGE LTD. Date : Feb 19, 2000
 Grid : CURRIE Tx Loop: CB06
 Hole : CB-06XYT.PEM Scale : 1 : 2500
 File : CB-06XYT.PEM Units : nanoTesla/sec

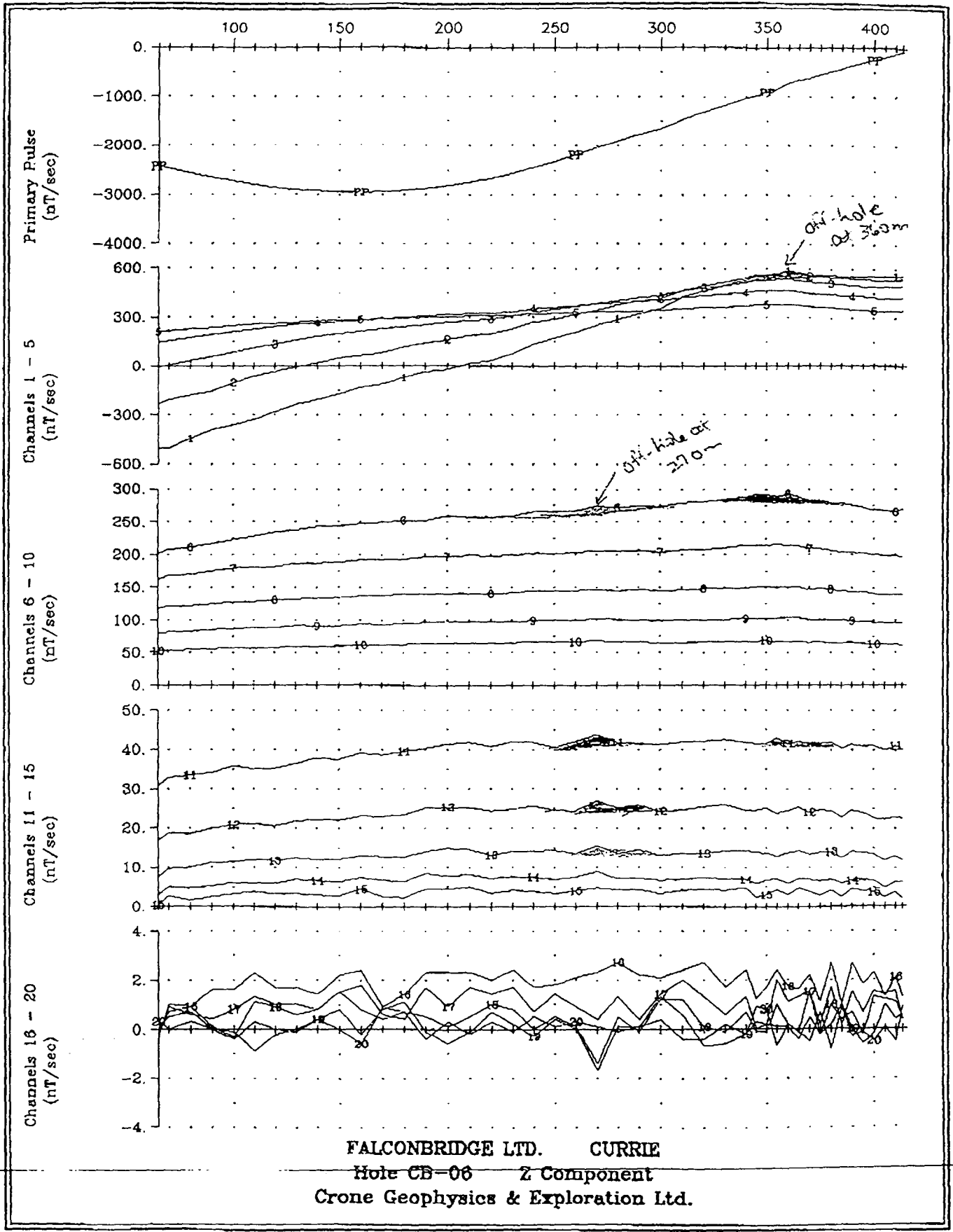
Y COMPONENT dB_y/dt

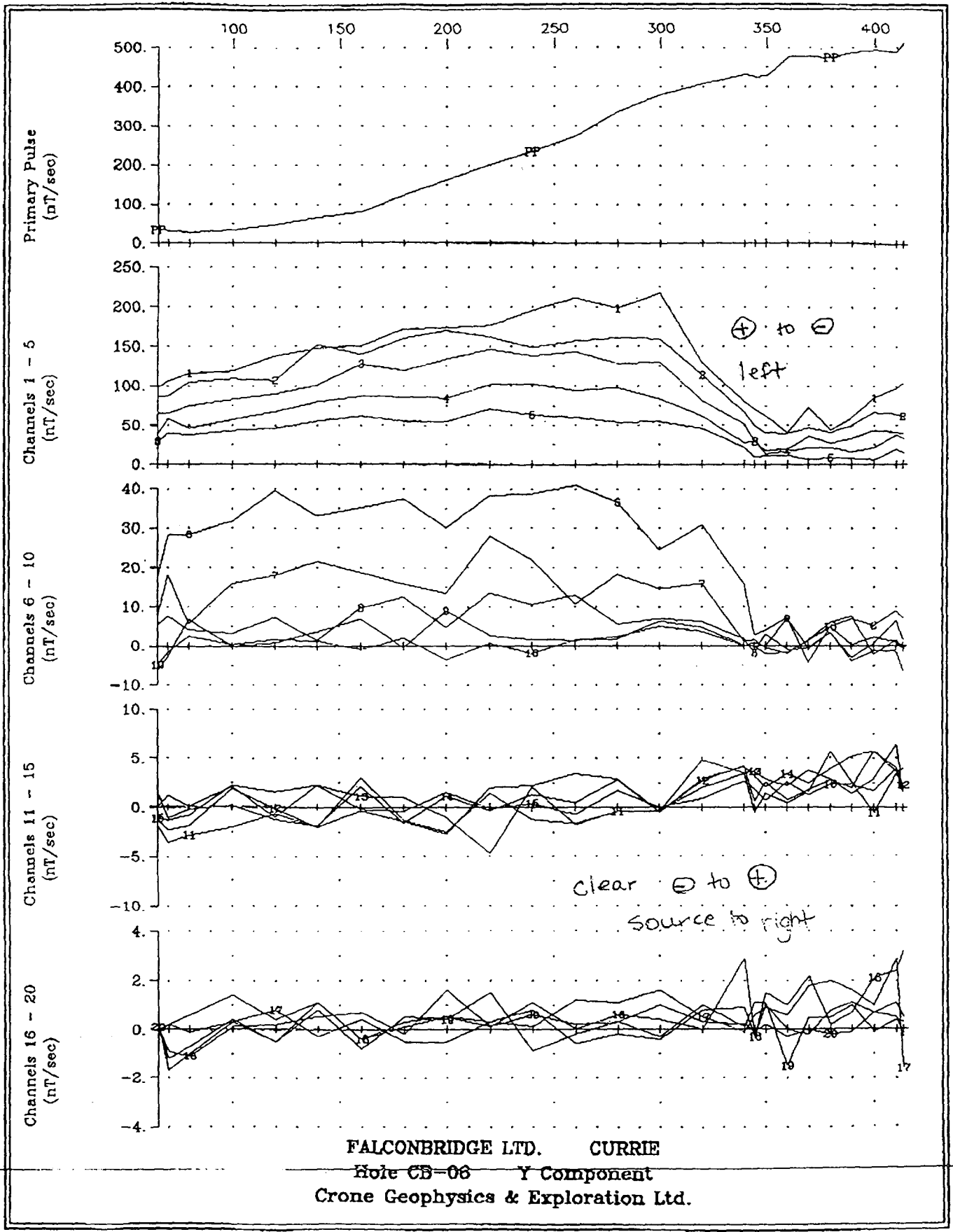
Data Corrected for Probe Rotation using Orientation Tool #



Positive to negative crossover at 360m

Crossover at 270m is not obvious on this plot, although you can see the positive half





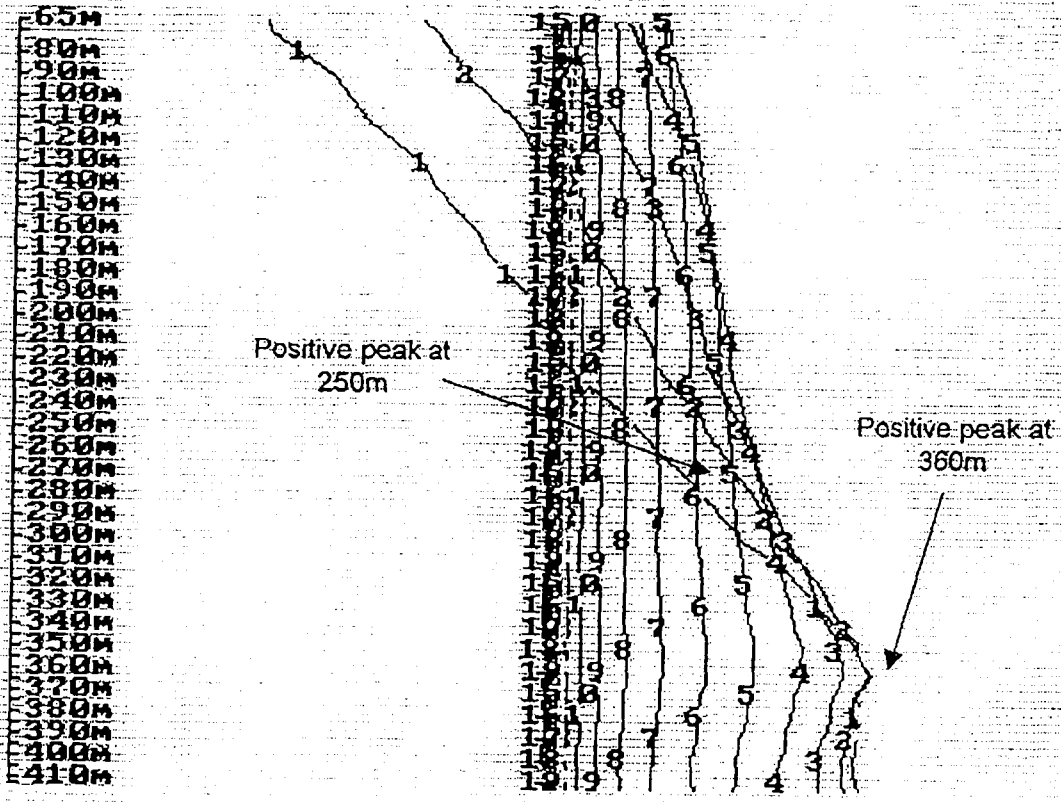
FALCONBRIDGE LTD. CURRIE
 Hole CB-06 Y Component
 Crone Geophysics & Exploration Ltd.

CRONE GEOPHYSICS & EXPLORATION LTD

Borehole Pulse EM Survey

Client : FALCONBRIDGE LTD. Date : Feb 19, 2000
 Grid : CURRIE Tx Loop: CB06
 Hole : CB-06Z.PEM Scale : 1 : 2500
 File : CB-06Z.PEM Units : nanotesla/seg

7 COMPONENT dBZ/dT
 -800 -600 -400 -200 +0 +200 +400 +600 +800



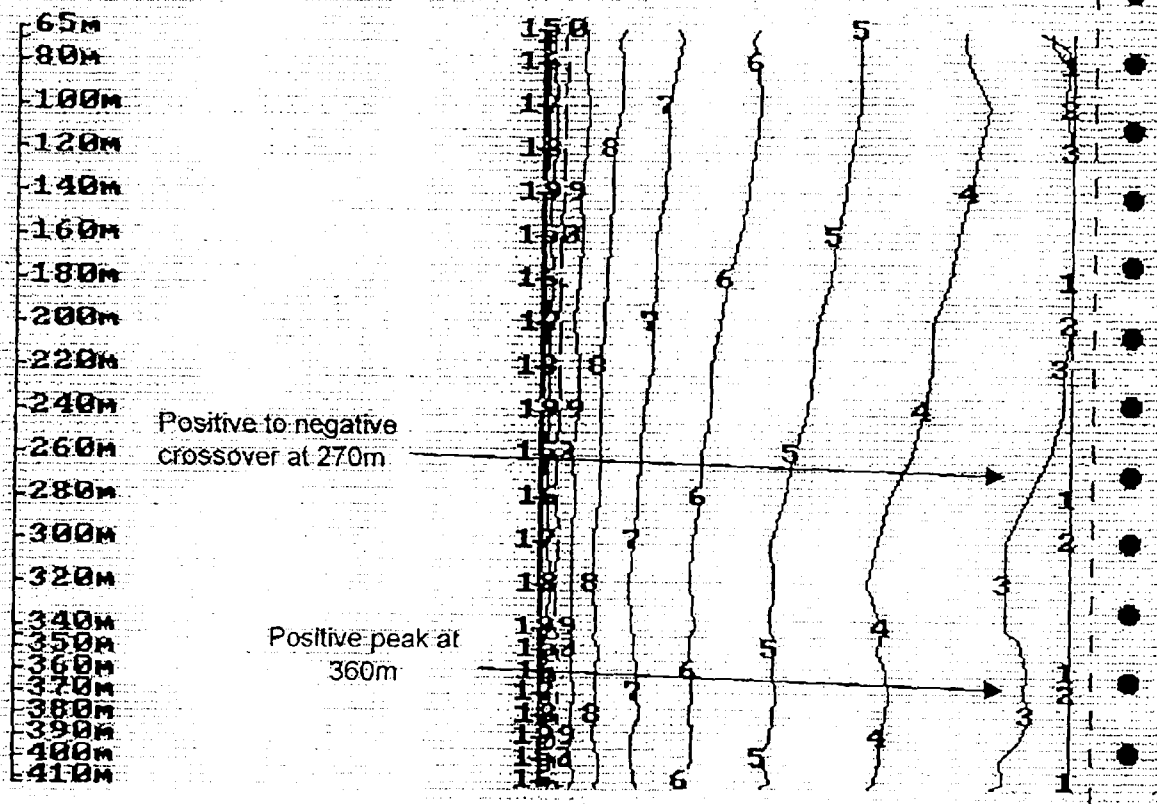
CRONE GEOPHYSICS & EXPLORATION LTD

Borehole Pulse EM Survey

Client: FALCONBRIDGE LTD. Date: Feb 19, 2000
 Grid: CURBIE Tx Loop: CB06
 Hole: CB-06XYT.PEM Scale: 1 : 2500
 File: CB-06XYT.PEM Units: nanoTesla/sec

X COMPONENT dBx/dt

Data Corrected for Probe Rotation using Orientation Tool #



Appendix II

DIAMOND DRILL LOGS

ECHO BAY MINES LTD. - DIAMOND DRILL LOG

Drill Hole Number: CB-06

						Tests		
Project Name:	Currie-Bowman	Grid Northing:	99+65N	Measure:	Meters	Depth	Azi.	Dip
Project Number:	741	Grid Easting:	131+00E	Drilled By:	NDS Drilling			
Claim Number:	1198869	Elevation:	0	Start:	2/7/00	77.0	008	-59
Location:	Currie Twp.	Azimuth:	360	Completed:	2/13/00	176.0	016	-57
		Dip:	-60	Core Size:	NQ	368.0	n/a	-55
		Length:	419 meters	Date(s) Logged:	Feb. 8-14,2000	416.0	013	-54
				Logged By:	Paul Degagne			

From (m)	To (m)	Geology	Sample	From (m)	To (m)	Length (m)	Au (ppb)	Ag (ppm)	Zn (ppm)	Cu (ppm)
0.00	46.60	Overburden	34551	65.00	66.00	1.0	6			
			34552	66.00	67.00	1.0	5			
			34553	67.00	68.00	1.0	<5			
46.60	85.10	Feldspar Porphyry - extremely weathered to 65m, blocky, oxidized, sand intervals - casing reamed to 65m - "fresh" porphyry at 65m - massive grey to grey-black, 20% feldspar phenocrysts - moderate to strong pervasive chlorite alteration from 83.7m to lower contact @ 85.1m - siliceous zone with 2% pyrite from 65.0m to 74.0m	34554	68.00	69.00	1.0	<5			
			34555	69.00	70.00	1.0	<5			
			34556	70.00	71.00	1.0	<5			
			34557	71.00	72.00	1.0	<5			
			34558	72.00	73.00	1.0	8			
			34559	73.00	74.00	1.0	<5			
			34560	74.00	75.00	1.0	14			
85.10	109.80	Argillite - very fine grained black to grey, thinly bedded @ 37 deg. T.C.A., weak to nil graphite - lower contact blocky (fault bounded)	34561	75.00	76.00	1.0	<5			
			858001	300.35	301.35	1.0	<5	0.3	50	36
			858002	301.35	302.35	1.0	6	1.7	230	52
109.80	199.70	Feldspar Porphyry - as above, 25% to 30% feldspar phenocrysts - trace pyrite throughout	858003	302.35	302.90	1.0	<5	0.3	265	31
			858004	302.90	303.90	1.0	513	8.0	371	90
			858005	303.90	305.00	1.0	118	12.8	337	45
			858006	305.00	343.00	1.0	<5	0.2	130	39
199.70	202.30	Argillite - as above with graphitic sections - several 3mm pyritic bands at upper contact - bedding @ 40 deg. T.C.A.	858007	343.00	344.00	1.0	<5	0.3	117	86
			858008	344.00	345.00	1.0	648	1.8	1,730	70
			858009	345.00	346.00	1.0	473	2.1	97	25
			858010	346.00	347.00	1.0	397	5.0	173	23
			858011	347.00	348.00	1.0	981	9.3	214	28
202.30	223.10	Feldspar Porphyry - as above - moderate pervasive chlorite alteration from 219.0m to 223.1m	858012	348.00	349.00	1.0	250	2.7	266	19
			858013	349.00	350.00	1.0	404	2.8	1,113	51
			858014	350.00	351.00	1.0	97	3.0	46	27
			858015	351.00	352.00	1.0	282	4.2	161	36
223.10	281.60	Argillite - as above: fine grained grey to black with graphitic intervals - core angles of bedding as follows: 225m 60 deg. 230m 55 deg. 240m 56 deg. 250m 44 deg.	858016	352.00	353.00	1.0	255	2.0	140	20
			858017	353.00	354.00	1.0	76	0.7	74	9
			858018	354.00	355.00	1.0	126	1.1	53	10
			858019	355.00	356.00	1.0	95	0.7	226	9
			858020	356.00	357.00	1.0	76	0.8	27	9
			858021	357.00	357.40	1.0	383	1.3	79	26
			858022	357.40	358.40	1.0	35	0.6	534	208

From (m)	To (m)	Geology	Sample	From (m)	To (m)	Length (m)	Au (ppb)	Ag (ppm)	Zn (ppm)	Cu (ppm)
281.60	292.00	Feldspar Porphyry - as above: massive, grey with 25% feldspar phenocrysts - pervasively chloritic from 290m to 292m	858023	369.70	370.70	1.0	5	<.2	290	189
			858024	370.70	371.70	1.0	78	1.1	2,764	37
			858025	371.70	372.70	1.0	48	0.8	406	14
292.00	305.00	Argillite - black, fine grained, graphitic - heavy banded sulphide (pyrite - 30%) from 302.8m to 305.0m	858026	372.70	373.70	1.0	187	4.2	161	24
			858027	373.70	374.70	1.0	1002	17.2	969	51
			858028	374.70	375.70	1.0	630	22.1	2,382	50
			858029	375.70	376.70	1.0	426	40.5	960	42
305.00	344.30	Diabase - massive, medium grained dark green to black-green in colour - fine grained chilled margins from 305.0m to 308.0m and from 331.6m to 344.3m	858030	376.70	377.70	1.0	380	14.5	2,866	77
			858031	377.70	378.70	1.0	41	1.4	369	24
			858032	378.70	379.70	1.0	74	2.8	246	35
			858033	379.70	380.60	0.9	71	3.1	131	29
		Grindstone Creek Zone	858034	380.60	381.00	0.4	12	0.4	173	14
			858035	381.00	382.00	1.0	72	1.4	319	32
344.30	357.40	Altered Dacite Tuff - Banded Pyrite Zone - well laminated, grey to yellowish grey, sericitic, siliceous sections, local green mica - 15% fine grained pyrite as thin bands throughout section (@ 30 deg. T.C.A.)	858036	382.00	383.00	1.0	99	1.5	65	15
			858037	383.00	384.00	1.0	135	2.9	117	42
			858038	384.00	385.00	1.0	203	4.0	3,529	1794
			858039	385.00	386.00	1.0	136	3.1	8,455	688
357.40	370.70	Diabase - fine grained, dark green to black in colour, massive	858040	386.00	387.00	1.0	50	1.1	19,000	282
			858041	387.00	388.00	1.0	99	2.1	25,000	444
			858042	388.00	389.00	1.0	57	1.6	9,537	167
370.70	376.80	Altered Dacite Tuff - Banded to semi-massive pyrite zone (siliceous) - siliceous, light grey in colour, foliation @ 30 deg. T.C.A. - section contains 25% pyrite on average, as semi-massive bands up to 10cm thick and more commonly as fine bands paralleling the foliation, several coarse grains of honey-brown sphalerite are present as are possible fine hairline stringers of sphalerite - section shows weak sericite alteration, gradational to more intense sericite downhole	858043	389.00	390.00	1.0	51	1.3	3,313	67
			858044	390.00	391.00	1.0	99	2.7	1,001	95
			858045	391.00	392.00	1.0	19	0.5	1,851	36
			858046	392.00	393.00	1.0	14	0.5	206	43
			858047	393.00	394.00	1.0	19	0.3	188	65
			858048	394.00	395.00	1.0	9	<.2	209	37
			858049	395.00	396.00	1.0	9	<.2	256	39
376.80	392.00	Altered Dacite Tuff - Banded pyrite zone (sericitic) - cream to light grey in colour with strong pervasive sericite alteration - 5% to 8% fine pyrite as thin bands/laminations parallel to foliation - Chalcopyrite stringers and fine disseminated grains from 384.8m to 385.3m (5%) - 380.6 to 381.0: intermediate fine-medium grained dyke, 5% cubic pyrite - sericitic alteration gradually decreases in intensity downhole	858050	396.00	397.00	1.0	9	0.2	346	12
			858051	397.00	398.00	1.0	23	0.4	465	35
			858052	398.00	399.00	1.0	32	0.9	275	20
			858053	399.00	400.00	1.0	75	0.9	4,528	315
			858054	400.00	401.00	1.0	17	<.2	286	91
			858055	401.00	402.00	1.0	35	0.8	196	60
			858056	402.00	403.00	1.0	22	<.2	144	55
392.00	419.00	Dacite Tuff - pale grey to grey-green (more mafic in composition) in colour, foliated, fine grained - weakly sericitic to "relatively unaltered" - trace to 2% pyrite throughout, locally up to 5%	858057	403.00	404.00	1.0	19	<.2	252	31
			858058	404.00	405.00	1.0	12	<.2	195	29
	419.00	End Of Hole note: casing left in hole hole makes water casing capped								

ECHO BAY MINES LTD. - DIAMOND DRILL LOG

Drill Hole Number: CB-07

Project Name:		Grid Northing:		Measure:		Depth		Tests	
Currie-Bowman		99+75N		Meters				Azi. Dip	
Project Number: 741		Grid Easting: 131+50E		Drilled By: NDS Drilling					
Claim Number: 1198869		Elevation: 0		Start: 2/13/00		101.0		356 -59	
Location: Currie Twp.		Azimuth: 360		Completed: 2/18/00		200.0		003 -57	
		Dip: -60		Core Size: NQ		365.0		010 -52	
		Length: 371m		Date(s) Logged: Feb. 14-18,2000					
				Logged By: Paul Degagne					

From (m)	To (m)	Geology	Sample	From (m)	To (m)	Length (m)	Au (ppb)	Ag (ppm)	Zn (ppm)	Cu (ppm)
0.00	54.00	Overburden	858072	185.50	186.00	0.5	23	<.2	51	9
			858073	186.00	186.60	0.6	5	<.2	86	7
54.00	185.50	Feldspar Porphyry - blocky to 95.0m, weathered to 77.0m - massive, grey to dark grey (chloritic phases), 20% feldspar phenocrysts - locally trace disseminated to cubic pyrite throughout	858074	271.00	271.50	0.5	5	0.6	107	51
			858075	271.50	271.90	0.4	64	4.4	975	146
			858076	271.90	272.40	0.5	8,084	356.0	42,000	5,721
			858077	272.40	272.90	0.5	4,176	113.3	69,000	2,029
185.50	186.80	Argillite / Tuff - fine grained, green to green grey in colour, thinly bedded @ 60 deg. - predomionantly a fine grained sediment with a mafic tuffaceous component	858078	272.90	273.40	0.5	2,512	45.2	15,000	303
			858079	273.40	274.00	0.6	1,505	33.5	720	59
			858080	274.00	274.30	0.3	349	14.1	290	66
			858081	274.30	275.30	1.0	87	6.2	221	38
186.80	190.80	Feldspar Porphyry - as above, massive, grey with 20% feldspar phenocrysts	858082	275.30	276.00	0.7	24	0.4	141	11
			858083	276.00	276.70	0.7	18	0.7	100	13
			858084	276.70	277.50	0.8	8	0.7	237	21
190.80	256.10	Argillite - very fine grained, thinly bedded, dark grey to black, with locally graphitic intervals - bedding / foliation at 46 deg. - blocky from 209.0m to 212.0m	858085	277.50	278.50	1.0	769	3.9	203	61
			858086	278.50	279.60	1.1	734	11.3	297	85
			858087	279.60	281.00	1.4	8	<.2	81	36
			858088	305.05	305.55	0.5	1,487	2.3	2,210	76
256.10	264.30	Feldspar Porphyry - as above, massive, grey with 20% feldspar phenocrysts	858089	310.00	311.00	1.0	94	0.2	122	37
			858090	311.00	312.00	1.0	1,414	1.5	58	28
264.30	265.20	Graphitic Argillite - as above with more prominent graphitic component	858091	312.00	313.00	1.0	2,124	2.1	34	21
			858092	313.00	313.80	0.8	29	<.2	134	44
			858093	313.80	314.20	0.4	7,868	5.3	700	86
265.20	269.00	Diabase - fine grained, black to dark green, massive	858094	314.20	315.75	1.6	46	0.2	131	42
			858095	315.75	316.80	1.1	1,794	6.4	513	41
			858096	316.80	317.80	1.0	1,780	6.5	35	15
269.00	271.90	Argillite (mixed with diabase) - mixed zone of fine grained, black argillite with sections of fine grained diabase	858097	317.80	318.70	0.9	3,032	3.6	61	17
			858098	318.70	319.80	1.1	2,139	11.8	2,811	59
			858099	319.80	320.80	1.0	4,422	12.0	5,838	94
			858100	320.80	321.80	1.0	679	5.8	1,621	56
			858101	321.80	322.80	1.0	848	15.7	4,768	91

From (m)	To (m)	Geology	Sample	From (m)	To (m)	Length (m)	Au (ppb)	Ag (ppm)	Zn (ppm)	Cu (ppm)
		Grindstone Creek Zone	858102	322.80	323.80	1.0	1,320	22.2	2,376	87
			858103	323.80	324.80	1.0	454	10.7	2,144	83
271.90	274.00	Semi-Massive Sulphide Zone	858104	324.80	325.80	1.0	282	8.2	4,577	111
		- 50% massive to semi-massive pyrite with 5% galena, 2% sphalerite and trace to 1% chalcopyrite. Sphalerite confined to remobilized stringers in quartz.	858105	325.80	326.80	1.0	198	7.3	7,637	370
		- host rock is siliceous dacite tuff	858106	326.80	327.80	1.0	242	7.8	2,287	78
			858107	327.80	328.80	1.0	183	3.6	9,467	143
			858108	328.80	329.80	1.0	202	5.7	19,000	252
274.00	279.60	Altered Dacite Tuff - Siliceous Pyrite Zone (siliceous)	858109	329.80	331.00	1.2	206	4.1	1,478	72
		- 5% to 8% disseminated to banded pyrite hosted in grey siliceous dacite tuff.	858110	331.00	332.00	1.0	23	0.5	37	7
		- several 0.5cm to 2.0cm chert beds in tuff unit	858111	332.00	333.00	1.0	90	3.4	42	10
		- diabase from 274.0 to 274.3 meters	858112	333.00	334.00	1.0	120	3.2	891	35
			858113	334.00	335.00	1.0	156	3.2	5,370	89
279.60	315.70	Diabase	858114	335.00	336.00	1.0	119	2.2	2,007	81
		- extremely blocky, ground core to 283 meters	858115	336.00	337.00	1.0	66	1.6	5,004	115
		- typical dark green to black, medium grained in central portion with chilled margins	858116	337.00	338.00	1.0	74	3.5	6,639	119
		- mineralized raft from 311.0 to 314.2 meters (8% py, tr Sph in siliceous dacite tuff)	858117	338.00	339.00	1.0	110	5.8	8,107	157
			858118	339.00	340.00	1.0	709	17.4	1,015	96
315.70	329.80	Altered Dacite Tuff - Siliceous Pyrite Zone (siliceous)	858119	340.00	341.00	1.0	261	4.8	61	21
		- siliceous, weakly sericitic, grey dacite tuff with 10% to 20% banded to disseminated pyrite and 1% to 2% sphalerite (as narrow stringers parallel to bedding / foliation)	858120	341.00	342.00	1.0	188	4.1	60	27
		- felsic lapilli fragments from 329.8m	858121	342.00	343.00	1.0	101	3.6	72	6
			858122	343.00	343.80	0.8	79	3.6	70	8
			858123	343.80	345.00	1.2	6	<.2	137	200
329.80	331.00	Altered Dacite Tuff - Sericite - Pyrite Zone	858124	345.00	346.00	1.0	5	<.2	123	245
		- transitional with the above unit: 10% disseminated pyrite in moderately sericitic tuff	858125	346.00	347.00	1.0	543	6.6	18	28
		- several cherty rhyolitic beds at bottom of section	858126	347.00	347.80	0.8	328	3.6	48	4
			858127	347.80	349.00	1.2	5	<.2	129	183
331.00	334.00	Altered Dacite Tuff - Sericite Zone	858128	349.00	350.00	1.0	60	0.3	117	40
		- trace to 1% pyrite in cream to white coloured sericite schist (sericite alteration strong to intense)	858129	350.00	351.00	1.0	61	0.5	129	77
		- green mica specks throughout	858130	351.00	352.00	1.0	31	<.2	209	18
			858131	352.00	353.00	1.0	24	<.2	674	52
			858132	353.00	354.00	1.0	17	<.2	158	41
334.00	354.00	Altered Dacite Tuff - Sericite - Pyrite Zone (with siliceous bands)	858133	354.00	355.00	1.0	<5	<.2	172	20
		- predominatly sericite altered dacite tuff								
		- 10% to 15% banded pyrite with trace sphalerite								
		- diabase dykes from 345.4m to 346.0m; 347.8m to 350.1m; 350.74m to 351.0m								
354.00	371.00	Dacite Tuff								
		- pale grey to light green, fine grained tuff (relatively unaltered), gradational with upper unit								
		- pyrite content varies but averages 1%, as disseminations and locally as fine stringers								
	371.00	E.O.H.								
		note: rods stuck at 280 meters, core sized reduced to BQ casing pulled								

ECHO BAY MINES LTD. - DIAMOND DRILL LOG

Drill Hole Number: CB-08

								Tests	
Project Name:	Currie-Bowman	Grid Northing:	99+30N	Measure:	Meters	Depth	Azi.	Dip	
Project Number:	741	Grid Easting:	132+00E	Drilled By:	NDS Drilling				
Claim Number:	1198869	Elevation:	0	Start:	2/18/00	62.0	359	-57	
Location:	Currie Twp.	Azimuth:	360	Completed:	2/23/00	161.0	003	-57	
		Dip:	-60	Core Size:	NQ	260.0	006	-54	
		Length:	392m	Date(s) Logged:	Feb. 19-23,2000	380.0	011	-49	
				Logged By:	Paul Degagne				

From (m)	To (m)	Geology	Sample	From (m)	To (m)	Length (m)	Au (ppb)	Ag (ppb)	Zn (ppm)	Cu (ppm)
0.00	55.60	Overburden	858134	129.00	130.00	1.0	19	0.3	32	11
			858135	130.00	131.00	1.0	72	0.4	65	29
55.60	105.60	Feldspar Porphyry - massive, grey, 25% feldspar phenocrysts - blocky to 97.0m	858136	131.00	132.00	1.0	40	<2	66	30
			858137	132.00	133.00	1.0	31	<2	109	71
			858138	136.30	137.30	1.0	45	<2	37	39
105.60	107.80	Mafic Tuff / Sediment - fine grained, pale green, thinly bedded/foliated @ 34 deg.	858139	137.30	138.80	1.5	327	0.2	63	63
			858140	292.10	293.00	0.9	8	2.7	111	58
107.80	116.90	Feldspar Porphyry - as above but silicified, with "washed out" feldspar phenocrysts - massive, light grey, trace to 1% disseminated pyrite	858141	293.00	293.70	0.7	52	12.4	1,066	38
			858142	293.70	294.35	0.7	737	54.3	9,725	149
			858143	294.35	295.40	1.0	<5	0.5	51	67
			858144	295.40	296.40	1.0	<5	<2	47	27
116.90	120.40	Mafic Tuff / Sediment - fine grained, light green, thinly bedded/foliated @ 30 deg. - becomes more massive, dark green from 119.9 to 120.4 (flow?)	858145	296.40	297.40	1.0	<5	<2	36	31
			858146	307.00	307.85	0.9	10	1.2	78	59
			858147	307.85	309.10	1.3	214	30.8	1,789	132
120.40	133.00	Feldspar Porphyry - silicified as above - 3% pyrite in fractures from 129.0m to 133.0m	858148	309.10	310.10	1.0	218	38.8	727	35
			858149	310.10	311.10	1.0	506	109.2	278	31
			858150	311.10	312.10	1.0	32	6.4	835	24
			858151	312.10	313.10	1.0	41	9.6	639	37
133.00	136.30	Mafic Volcanic (Flow) - dark green, massive, fine grained - calcite-filled fractures throughout	858152	313.10	314.10	1.0	32	4.5	1,570	33
			858153	314.10	315.10	1.0	35	3.6	487	24
			858154	315.10	316.10	1.0	41	2.4	536	36
			858155	316.10	317.10	1.0	61	3.5	1,401	23
136.30	138.80	Feldspar Porphyry - massive, grey, silicified as above - 2% pyrite on average	858156	317.10	318.10	1.0	301	3.8	42	17
			858157	318.10	319.10	1.0	200	5.5	30	22
			858158	319.10	320.10	1.0	77	2.0	19	11
			858159	320.10	321.10	1.0	137	6.1	17	21
138.80	140.70	Mafic Volcanic (Flow) - dark green, massive, fine grained - calcite-filled fractures throughout	858160	321.10	322.10	1.0	140	2.9	81	22
			858161	322.10	322.50	0.4	60	1.5	501	38
			858162	322.50	324.40	1.9	28	1.0	378	32
			858163	324.40	325.00	0.6	<5	0.6	555	53

From (m)	To (m)	Geology	Sample	From (m)	To (m)	Length (m)	Au (ppb)	Ag (ppb)	Zn (ppm)	Cu (ppm)
140.70	153.00	Feldspar Porphyry - grey, massive, 20% fresh feldspar phenocrysts - "unaltered"	858164	325.00	326.00	1.0	<5	0.3	346	68
			858165	347.00	347.60	0.6	<5	0.2	227	37
			858166	347.60	348.60	1.0	<5	0.4	77	29
153.00	164.80	Mafic Volcanic (Flow) - dark green, massive, fine grained - calcite-filled fractures throughout - lower contact @ 20 deg.	858167	348.60	349.60	1.0	12	0.7	1010	39
			858168	349.60	350.60	1.0	8	0.4	207	16
			858169	350.60	351.60	1.0	<5	0.3	29	11
			858170	351.60	352.60	1.0	12	1.5	828	52
			858171	352.60	353.60	1.0	18	2.0	1116	40
164.80	231.60	Feldspar Porphyry - massive, grey, 25% feldspar phenocrysts - weak to moderate pervasive chlorite alteration from 227.0m to lower contact	858172	353.60	354.60	1.0	16	3.8	1203	45
			858173	354.60	355.60	1.0	28	4.1	5501	68
			858174	355.60	356.60	1.0	47	2.0	443	31
			858175	356.60	357.60	1.0	27	3.1	162	22
231.60	259.20	Argillite (+/- graphite) - very fine grained, well bedded with alternating black and dark grey beds. - locally graphitic sections	858176	357.60	358.60	1.0	23	3.3	191	20
			858177	358.60	359.60	1.0	22	6.1	759	30
			858178	359.60	360.60	1.0	56	6.7	838	23
			858179	360.60	361.60	1.0	68	11.0	58	23
259.20	272.60	Diabase - massive, dark green to black, fine to medium grained	858180	361.60	362.60	1.0	22	1.5	150	38
			858181	362.60	363.60	1.0	39	3.0	519	26
			858182	363.60	364.60	1.0	52	2.3	504	59
272.60	278.70	Argillite (+/- graphite) - very fine grained, well bedded with alternating black and dark grey beds. - locally graphitic sections	858183	364.60	365.95	1.3	75	4.7	695	60
			858184	365.95	367.00	1.1	51	2.1	158	18
			858185	367.00	368.00	1.0	<5	0.4	276	14
			858186	368.00	369.00	1.0	9	0.3	218	14
278.70	286.40	Feldspar Porphyry - massive, grey, 25% feldspar phenocrysts	858187	369.00	370.00	1.0	154	4.3	127	21
			858188	370.00	371.00	1.0	15	0.8	91	15
			858189	371.00	372.00	1.0	8	0.3	193	13
286.40	293.00	Argillite (+/- graphite) - very fine grained, well bedded with alternating black and dark grey beds. - locally graphitic sections	858190	372.00	373.00	1.0	15	0.4	387	20
			858191	373.00	374.00	1.0	22	0.5	306	16
			858192	374.00	375.00	1.0	11	0.3	95	16
			858193	375.00	376.00	1.0	13	0.6	79	15
		Grindstone Creek Zone	858194	376.00	377.00	1.0	10	0.9	87	13
293.00	293.25	Massive Pyrite								
293.25	294.35	Altered Dacite Tuff - Banded Pyrite Zone - 15% banded pyrite (1-2 cm thick bands) in a siliceous, grey, foliated fine grained tuff - foliation / bedding @ 60 deg. - several 1cm chert beds throughout section								
294.35	307.85	Dacite / andesite Flow? - grey, weakly foliated to massive, aphanitic to fine grained - feldspar phyric in center of section - quartz-calcite filled fractures throughout - bottom 50cm of section gradational to a well laminated tuff								

From (m)	To (m)	Geology	Sample	From (m)	To (m)	Length (m)	Au (ppb)	Ag (ppb)	Zn (ppm)	Cu (ppm)
307.85	309.10	Altered Dacite Tuff - Semi-Massive Pyrite Zone - 60% banded to locally semi-massive pyrite in a grey, fine grained, moderately siliceous tuff - locally interbedded with 0.5 to 1cm chert beds								
309.10	323.60	Altered Dacite Tuff - Banded Pyrite Zone - 15% to 20% banded to disseminated pyrite in a grey, moderately siliceous, weakly sericitic dacite tuff to lapilli tuff with intermitent chert beds. - occasional specks of green mica throughout - foliation / bedding @ 40 deg. On average - fine grained diabase dyke: 312.55 to 313.0								
323.60	347.60	Diabase - medium grained, massive, dark green to black								
347.60	365.95	Altered Dacite Tuff - Banded Pyrite Zone - 10% to 15% banded to disseminated pyrite in grey, moderately siliceous, weak to moderately sericitic altered dacite tuff to lapilli tuff - lapilli fragments are generally up to 4cm in length (stretched) and composed of rhyolite and chert - intermitent chert beds throughout								
365.95	392.00	Dacite Tuff - grey to dark grey-black, fine grained, weakly foliated to massive and feldspar phytic - gradational with the above unit ("unaltered phase") - 2% pyrite on average, as fine stringers and disseminations (locally up to 5%)								
	392.00	E.O.H								

ECHO BAY MINES LTD. - DIAMOND DRILL LOG

Drill Hole Number: CB-09

						Tests		
Project Name:	Currie-Bowman	Grid Northing:	94+50N	Measure:	Meters	Depth	Azi.	Dip
Project Number:	741	Grid Easting:	105+00E	Drilled By:	NDS Drilling			
Claim Number:	1193536	Elevation:	269	Start:	2/27/00	160.0	001	-47
Location:	Currie Twp.	Azimuth:	360	Completed:	2/29/00	248.0	004	-48
		Dip:	-50	Core Size:	NQ			
		Length:	270m	Date(s) Logged:	Feb. 29-Mar. 3,2000			
				Logged By:	Paul Degagne			

From (m)	To (m)	Geology	Sample	From (m)	To (m)	Length (m)	Au (ppb)	Ag (ppb)	Zn (ppm)	Cu (ppm)
0.00	57.00	Overburden	858195	86.00	86.90	0.9	37	<2	89	29
			858196	86.90	87.40	0.5	201	0.3	34	18
57.00	80.00	Diabase - extremely blocky, 30% of section is solid core composed of fine grained, black diabase	858197	89.00	92.00	3.0	<5	<.2	71	32
			858198	156.70	157.70	1.0	18	0.5	132	21
80.00	89.00	Feldspar porphyry - extremely weathered, oxidized, blocky (4 meters of ground core) - solid core from 86.0 to 89.0: massive feldspar porphyry, 25% quartz veining with 5% pyrite	858199	157.70	158.70	1.0	13	0.4	116	26
			858200	158.70	159.70	1.0	22	0.3	128	23
			858201	159.70	160.20	0.5	6	0.3	152	21
			858202	214.70	215.70	1.0	8	<2	74	18
89.00	95.00	Weathered Rock (mud) - protolith uncertain	858203	215.70	216.70	1.0	5	0.3	76	7
			858204	216.70	217.70	1.0	7	<.2	59	8
			858205	217.70	218.70	1.0	51	0.3	65	26
95.00	103.20	Argillite / Greywacke (to re-worked tuff) - thinly laminated/bedded fine grained unit composed of alternating green chloritic and grey siliceous beds (@ 52 deg. to core axis) - locally contains flattened lapilli sized fragments of felsic material - gradational to lower unit	858206	218.70	219.70	1.0	100	0.3	69	18
			858207	219.70	220.70	1.0	30	0.2	68	7
			858208	220.70	221.70	1.0	18	0.4	87	12
			858209	221.70	222.70	1.0	13	0.4	94	14
			858210	222.70	223.70	1.0	98	0.3	82	35
			858211	223.70	224.70	1.0	22	0.6	148	24
103.20	214.70	Intermediate to Mafic Tuff - green to grey-green alternating fine grained beds @ 54 deg. Locally with 1 to 5 mm of of lapilli-sized fragments (grey, felsic material) - locally massive (flow?) sections, green to dark green with calcite stringers - feldspar porphyry dyke from 146.3 to 146.8 - trace pyrite as thin bands/laminations paralleling foliation	858212	224.70	225.70	1.0	57	0.8	183	29
			858213	225.70	226.70	1.0	6	<2	153	24
			858214	226.70	227.70	1.0	20	0.4	83	16
			858215	227.70	228.70	1.0	19	0.4	90	13
			858216	228.70	229.70	1.0	16	0.3	95	7
			858217	229.70	230.70	1.0	12	<2	91	12
			858218	230.70	231.70	1.0	18	0.2	97	11
214.70	249.70	Sericitized Intermediate Lapilli Tuff (I.P.Zone) - weak to moderate pervasive sericite altered intermediated lapilli tuff with minor beds of argillite (3 to 5 cm thick) - lapilli clast up to 1.5 cm in diameter consist of felsic volcanic material, argillite minor pyrite fragments - pyrite content averages 3% to 5%, predominantly as fine disseminations	858219	231.70	232.70	1.0	19	<2	96	7
			858220	232.70	233.70	1.0	17	<2	101	13
			858221	233.70	234.70	1.0	10	<2	119	18
			858222	234.70	235.70	1.0	48	<2	288	38
			858223	235.70	236.70	1.0	11	<2	83	19
			858224	236.70	237.70	1.0	19	0.2	98	13

From (m)	To (m)	Geology	Sample	From (m)	To (m)	Length (m)	Au (ppb)	Ag (ppb)	Zn (ppm)	Cu (ppm)
249.70	270.00	Intermediate Lapilli Tuff	858225	237.70	238.70	1.0	<5	<.2	139	18
		- as above but lacking the pervasive sericite alteration, green to grey-green in colour	858226	238.70	239.70	1.0	75	0.2	116	9
		- locally pyrite up to 3%, but trace to 1% on average	858227	239.70	240.70	1.0	7	<.2	70	10
			858228	240.70	241.70	1.0	76	0.5	121	24
	270.00	E.O.H	858229	241.70	242.70	1.0	116	<.2	104	11
			858230	242.70	243.70	1.0	23	0.2	83	4
			858231	243.70	244.70	1.0	<5	<.2	74	8
			858232	244.70	245.70	1.0	8	<.2	61	9
			858279	245.70	246.70	1.0	<5	<.2	130	12
			858280	246.70	247.70	1.0	<5	<.2	92	13
			858281	247.70	248.70	1.0	21	<.2	85	7
			858282	248.70	249.70	1.0	11	<.2	111	7
			858283	249.70	250.70	1.0	<5	<.2	91	4
			858284	250.70	251.70	1.0	<5	<.2	91	3
			858285	251.70	252.70	1.0	<5	<.2	83	4

ECHO BAY MINES LTD. - DIAMOND DRILL LOG

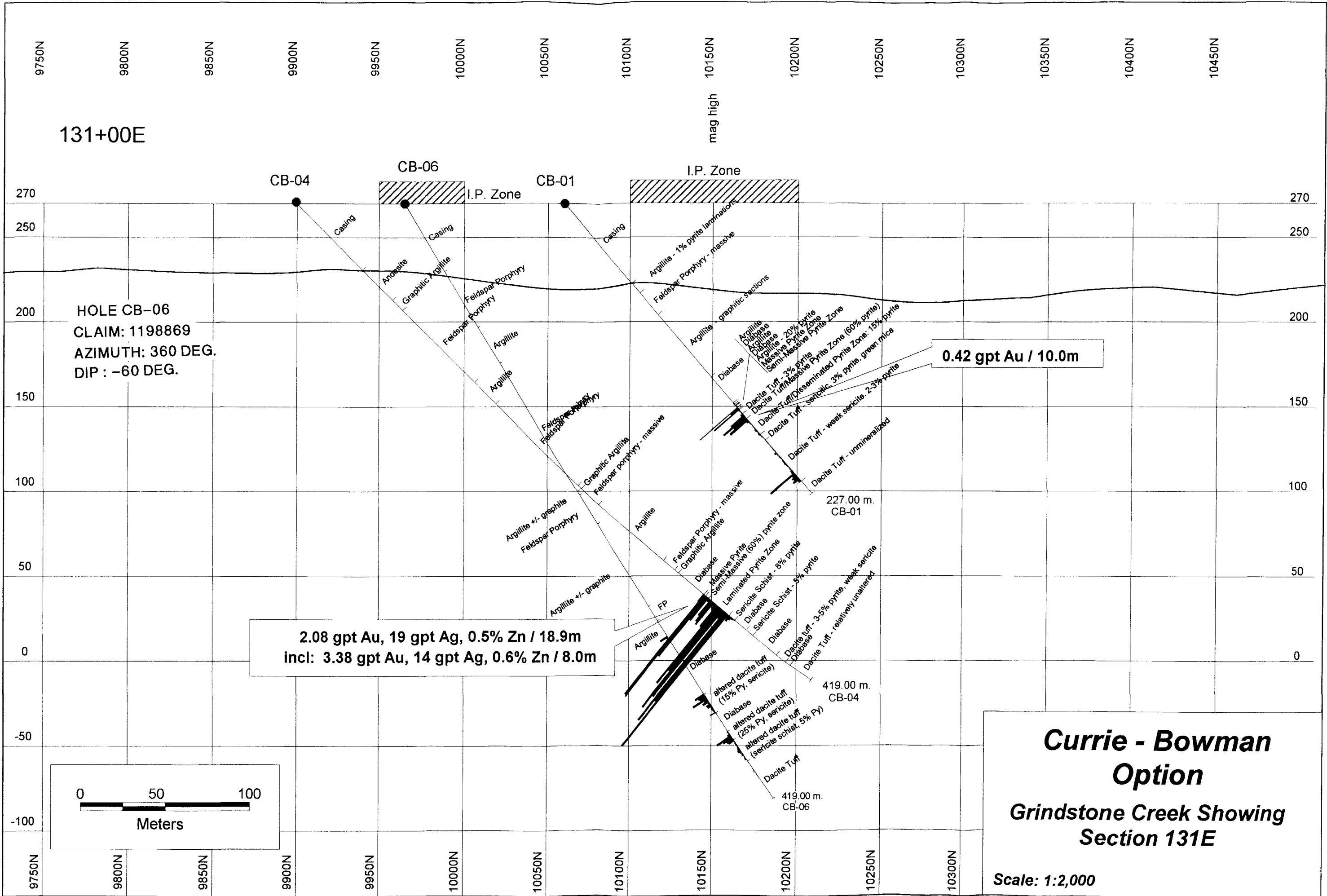
Drill Hole Number: CB-10

								Tests	
Project Name:		Grid Northing:		Measure:		Depth		Azi.	Dip
Project Number: 741		Grid Easting: 120+00E		Drilled By: NDS Drilling					
Claim Number: 1201248		Elevation: 0		Start: 3/1/00		74.0		356	-50
Location: Currie Twp.		Azimuth: 360		Completed: 3/6/00		200.0		000	-54
		Dip: -50		Core Size: NQ					
		Length: 200.0m		Date(s) Logged: March 10,2000					
				Logged By: Paul Degagne					

From (m)	To (m)	Geology	Sample	From (m)	To (m)	Length (m)	Au (ppb)	Ag (ppb)	Zn (ppm)	Cu (ppm)
0.00	60.00	Overburden	858233	62.00	63.00	1.0	42	<2	104	27
			858234	63.00	64.00	1.0	68	<2	210	15
60.00	62.00	Mafic Flow - massive, dark green, fine grained, quartz-calcite stringers throughout - blocky for 50% of interval	858235	64.00	65.00	1.0	19	<2	224	14
			858236	65.00	66.00	1.0	304	0.2	205	36
			858237	66.00	67.00	1.0	23	<2	81	8
			858238	67.00	68.00	1.0	22	<2	91	14
62.00	72.00	Mafic Tuff (bleached) - well laminated, fine grained, grey to grey green in colour - foliation @ 44 deg to core axis - 1% fine pyrite +/- pyrrhotite along foliation planes	858239	68.00	69.00	1.0	24	<2	73	13
			858240	69.00	70.00	1.0	<5	<2	102	10
			858241	70.00	71.00	1.0	8	<2	79	10
			858242	71.00	72.00	1.0	9	<2	72	10
72.00	152.00	Mafic Tuff - as above but generally unaltered, with local sericite alteration along foliation - weak sericite alteration, bleached, up to 2% fine pyrite +/- pyrrhotite at the following: 86.0m to 92.0m 96.0m to 107.0m 114.0m to 118.0m	858243	86.00	87.00	1.0	10	0.2	108	88
			858244	87.00	88.00	1.0	18	0.3	131	13
			858245	88.00	89.00	1.0	<5	<2	89	13
			858246	89.00	90.00	1.0	6	<2	103	14
			858247	90.00	91.00	1.0	8	<2	151	14
			858248	91.00	92.00	1.0	17	<2	116	16
			858249	92.00	93.00	1.0	5	<2	77	11
152.00	155.80	Sericite Altered Mafic Tuff (I.P.Zone) - similar to above but with pervasive sericite alteration and 3% to 5% pyrite mineralization	858250	96.00	97.00	1.0	18	<2	97	27
			858251	97.00	98.00	1.0	<5	<2	71	11
155.80	200.00	Mafic Tuff - fine grained, pale green to greenish grey in colour, well developed foliation / bedding - bleached sericitic zone with 1% disseminated pyrite from 164.0m to 167.0m	858252	98.00	99.00	1.0	15	<2	122	19
			858253	99.00	100.00	1.0	<5	<2	65	15
			858254	100.00	101.00	1.0	6	<2	90	11
			858255	101.00	102.00	1.0	<5	<2	107	21
	200.00	E.O.H	858256	102.00	103.00	1.0	<5	<2	85	16
			858257	104.00	105.00	1.0	<5	<2	158	19
			858258	105.00	106.00	1.0	7	<2	289	14
			858259	106.00	107.00	1.0	7	<2	308	10

Appendix III

DIAMOND DRILL SECTIONS



131+00E

mag high

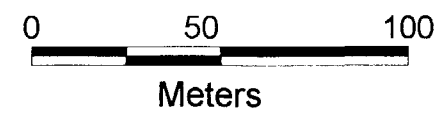
HOLE CB-06
CLAIM: 1198869
AZIMUTH: 360 DEG.
DIP: -60 DEG.

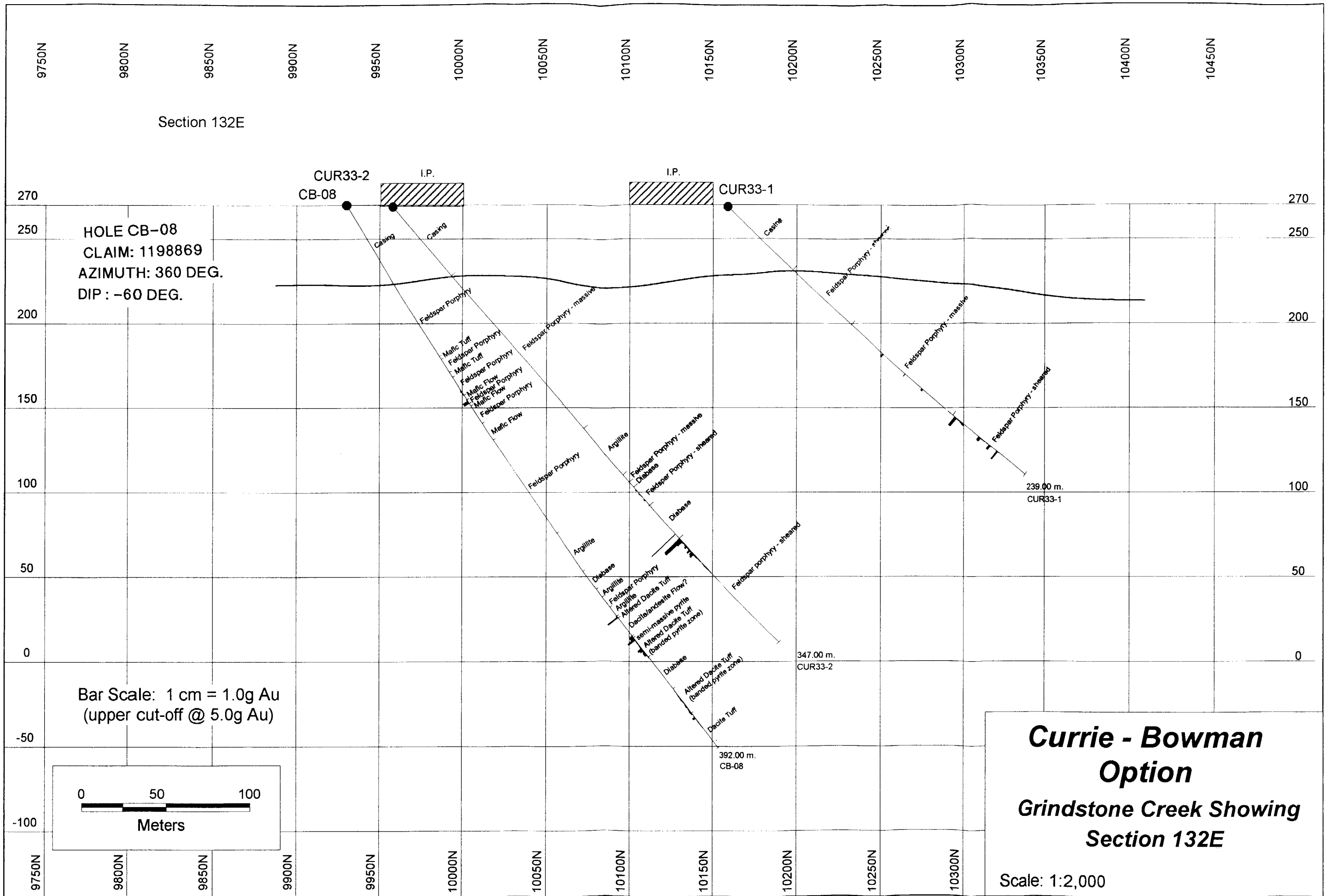
2.08 gpt Au, 19 gpt Ag, 0.5% Zn / 18.9m
incl: 3.38 gpt Au, 14 gpt Ag, 0.6% Zn / 8.0m

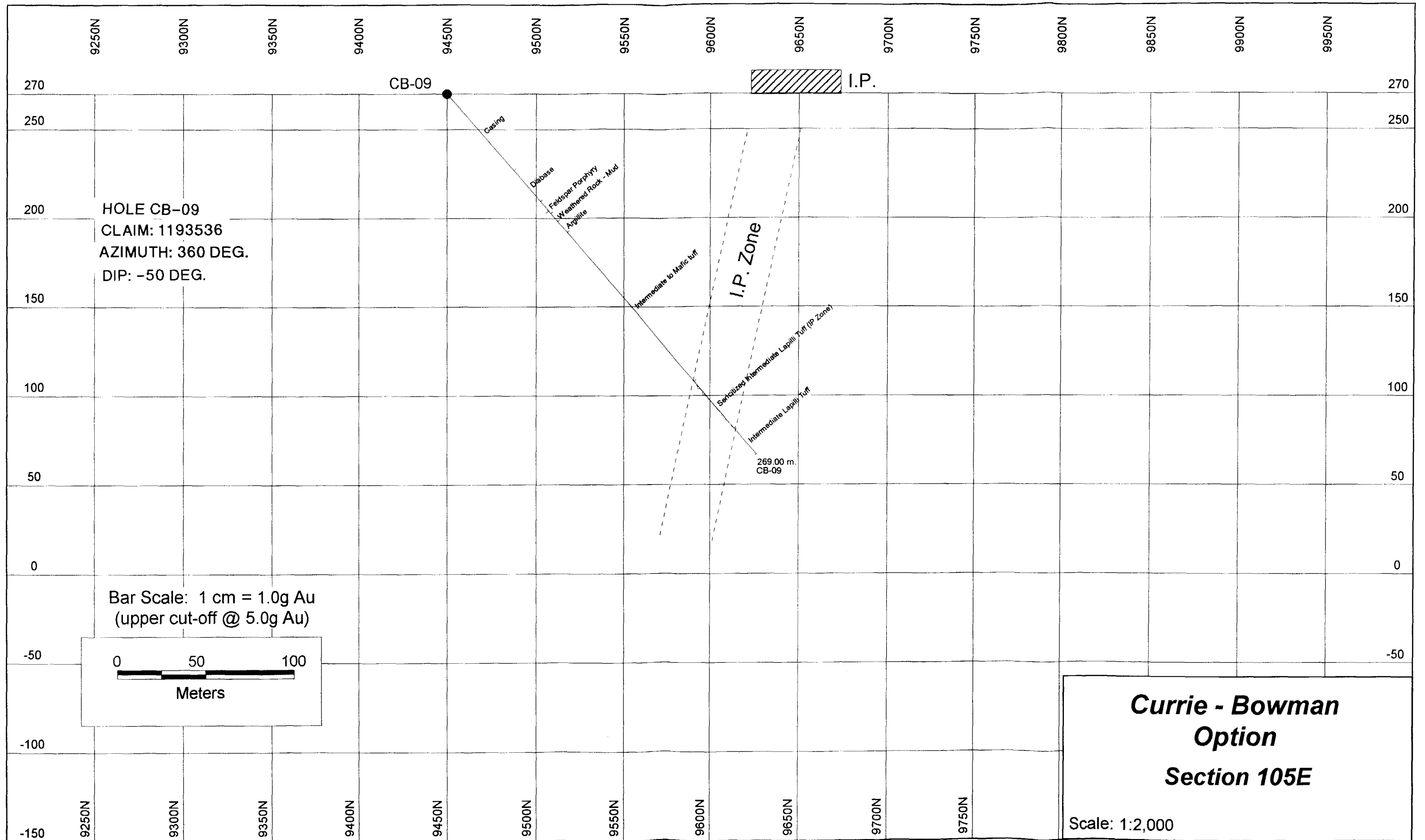
0.42 gpt Au / 10.0m

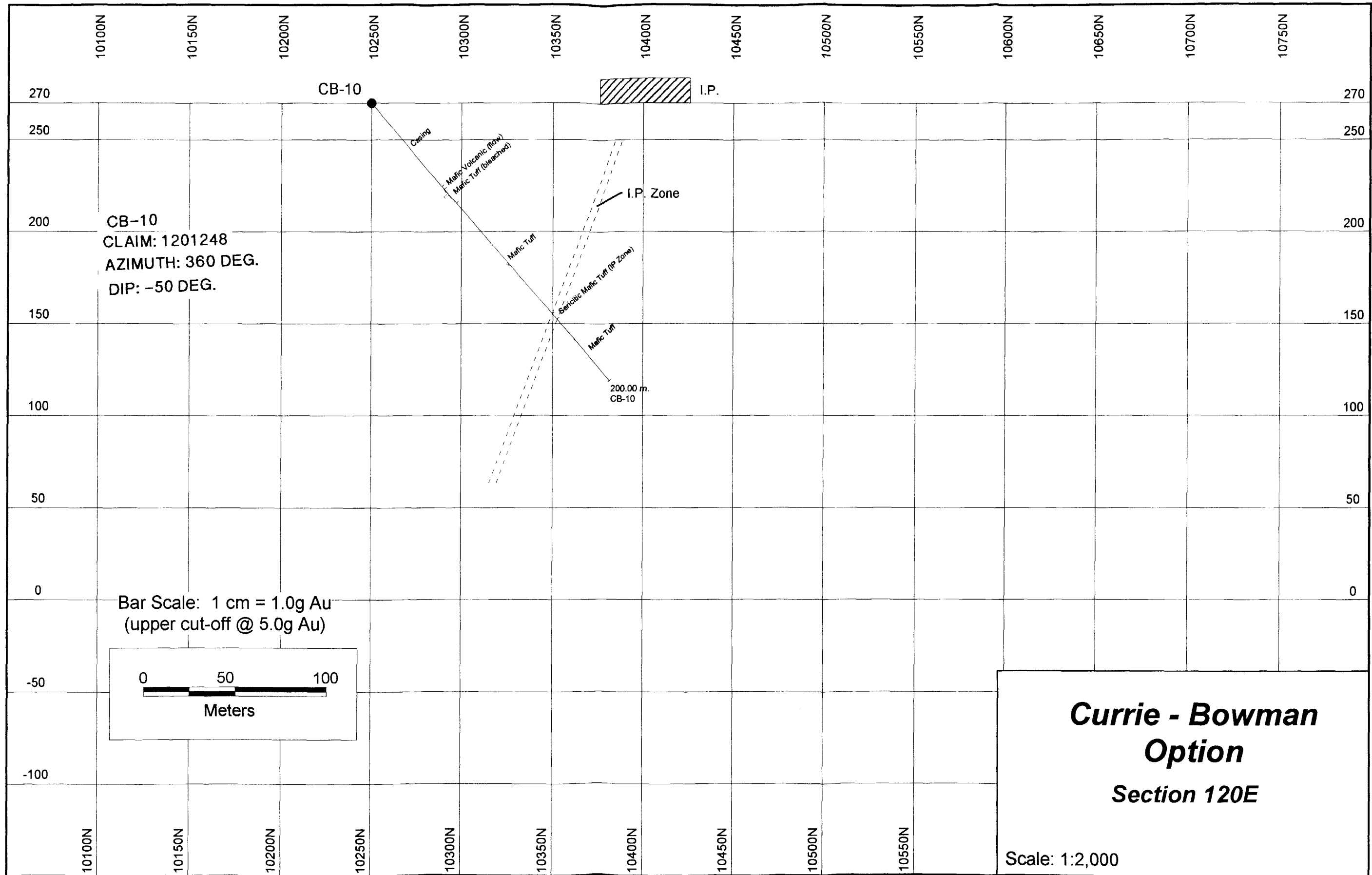
**Currie - Bowman
Option**
Grindstone Creek Showing
Section 131E

Scale: 1:2,000



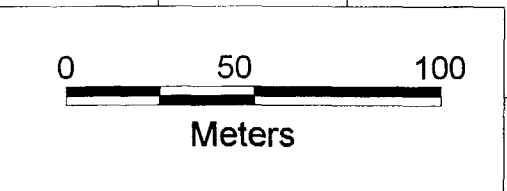






CB-10
 CLAIM: 1201248
 AZIMUTH: 360 DEG.
 DIP: -50 DEG.

Bar Scale: 1 cm = 1.0g Au
 (upper cut-off @ 5.0g Au)



**Currie - Bowman
 Option
 Section 120E**

Scale: 1:2,000

Appendix IV

ASSAY CERTIFICATES



Intertek Testing Services
Chimitec Bondar Clegg

Certificat D'Analyse
Assay Lab Report

REPORT: T00-57038.0 (COMPLETE)

REFERENCE:

CLIENT: ECHO BAY MINES
PROJECT: 741

DATE RECEIVED: 14-FEB-00
DATE PRINTED: 16-FEB-00

SUBMITTED BY: P. DEGAGNE

DATE APPROVED	ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
000216	1	Au30 Gold	11	5 PPB	Fire Assay of 30g	30g Fire Assay - AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	11	-150	11	CRUSH, SPLIT PULVERIZATION	11 11

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Paul Degagne



Intertek Testing Services
Chimitec Bondar Clegg

Certificat D'Analyse
Assay Lab Report

CLIENT: ECHO BAY MINES
 REPORT: T00-57038.0 (COMPLETE)

DATE RECEIVED: 14-FEB-00

PROJECT: 741

DATE PRINTED: 16-FEB-00 PAGE 1 DE 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
---------------	---------------	----------

34551		6
34552		5
34553		<5
34554		<5
34555		<5

34556		<5
34557		<5
34558		8
34559		<5
34560		14

34561		<5
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M. Berger



CLIENT: ECHO BAY MINES
 REPORT: T00-57038.0 (COMPLETE)

DATE RECEIVED: 14-FEB-00

PROJECT: 741
 DATE PRINTED: 16-FEB-00 PAGE 2 DE 3

STANDARD NAME	ELEMENT UNITS	Au30 PPB
---------------	---------------	----------

ANALYTICAL BLANK		<5
Number of Analyses		1
Mean Value		2.5
Standard Deviation		-
Accepted Value		5

Oxide (Feldspar &		429
Number of Analyses		1
Mean Value		429.0
Standard Deviation		-
Accepted Value		465



CLIENT: ECHO BAY MINES
REPORT: T00-57038.0 (COMPLETE)

DATE RECEIVED: 14-FEB-00

PROJECT: 741

DATE PRINTED: 16-FEB-00

PAGE 3 DE 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
------------------	------------------	-------------

34559		<5
Duplicate		<5



REPORT: T00-57063.0 (COMPLETE)

REFERENCE:

CLIENT: ECHO BAY MINES
PROJECT: 741

SUBMITTED BY:
DATE RECEIVED: 28-FEB-00 DATE PRINTED: 6-MAR-00

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
000229	1 Au30	34	5 PPB	Fire Assay of 30g	30g Fire Assay - AA	DRILL CORE	34	-150	34	CRUSH, SPLIT PULVERIZATION	34
000229	2 Ag	34	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	3 Cu	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	4 Pb	34	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	5 Zn	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	6 Mo	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	7 Ni	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	8 Co	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	9 Cd	34	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	10 Bi	34	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	11 As	34	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	12 Sb	34	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	13 Fe	34	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	14 Mn	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	15 Te	34	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	16 Ba	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	17 Cr	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	18 V	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	19 Sn	34	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	20 W	34	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	21 La	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	22 Al	34	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	23 Mg	34	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	24 Ca	34	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	25 Na	34	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	26 K	34	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	27 Sr	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	28 Y	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	29 Ga	34	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	30 Li	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	31 Nb	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	32 Sc	34	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	33 Ta	34	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	34 Ti	34	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	35 Zr	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000229	36 S	34	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						

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CLIENT: ECHO BAY MINES
REPORT: T00-57039.0 (COMPLETE)

DATE RECEIVED: 14-FEB-00 DATE PRINTED: 29-FEB-00 PROJECT: 741
PAGE 4A(7/10)

STANDARD NAME	ELEMENT UNITS	Au30 PPB	AuRef1 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	ZnOL PCT	Zn PCT	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	
Oxide (Feldspar & Number of Analyses		468	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		468	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		465	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ME89-1		-	-	-	-	-	-	4.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	4.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	4.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CANMET CERTIFIED STD		-	-	-	-	-	-	18.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	18.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	19.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-

CLIENT: ECHO BAY MINES
 REPORT: T00-57039.0 (COMPLETE)

PROJECT: 741
 DATE RECEIVED: 14-FEB-00 DATE PRINTED: 29-FEB-00 PAGE 38(6/10)

STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
ANALYTICAL BLANK	<.010	<1	<0.01	
ANALYTICAL BLANK	<.010	<1	<0.01	
ANALYTICAL BLANK	-	-	-	
Number of Analyses	2	2	2	
Mean Value	0.005	<1	<0.01	
Standard Deviation	-	-	-	
Accepted Value	<.001	<1	<0.01	
Oxide (Feldspar & Number of Analyses	-	-	-	
Mean Value	-	-	-	
Standard Deviation	-	-	-	
Accepted Value	-	-	-	
BCC GEOCHEM STD 5	0.157	6	0.03	
Number of Analyses	1	1	1	
Mean Value	0.157	6	0.03	
Standard Deviation	-	-	-	
Accepted Value	-	9	-	
CANMET LAKE-SED 2	0.065	2	0.16	
Number of Analyses	1	1	1	
Mean Value	0.065	2	0.16	
Standard Deviation	-	-	-	
Accepted Value	-	-	-	
Oxide (Feldspar & Number of Analyses	-	-	-	
Mean Value	-	-	-	
Standard Deviation	-	-	-	
Accepted Value	-	-	-	



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STANDARD NAME	ELEMENT UNITS	Au30 PPB	AuReh1 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	ZnOL PCT	Zn PCT	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM
ANALYTICAL BLANK		<5	-	<0.2	<1	<2	<1	-	-	<1	<1	<1	<0.2	<5	<5	<5	<0.01	<1	<10	<1	<1	<1	<20	<20	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<1	<2	<1	<1	<5	<10
ANALYTICAL BLANK		<5	-	<0.2	<1	<2	<1	-	-	<1	<1	<1	<0.2	<5	<5	<5	<0.01	<1	<10	<1	<1	<1	<20	<20	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<1	<2	<1	<1	<5	<10
ANALYTICAL BLANK		<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		3	-	2	2	2	2	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		3	-	0.1	<1	1	<1	-	-	<1	<1	<1	0.1	3	3	3	<0.01	<1	5	<1	<1	<1	10	10	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<1	1	<1	<1	3	5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		5	5	0.2	1	2	1	<0.1	<0.01	1	1	1	1.0	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<1	<1	<1	<1	<1	<1
Oxide (Feldspar & Number of Analyses	3054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value	3054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	2940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 5		-	-	0.6	99	6	82	-	-	1	37	22	<0.2	<5	8	<5	4.60	740	<10	210	59	129	<20	<20	7	3.31	1.61	0.98	0.05	0.31	37	7	<2	23	7	9	<10
Number of Analyses		-	-	1	1	1	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	0.6	99	6	82	-	-	1	37	22	0.1	3	8	3	4.60	740	5	210	59	129	10	10	7	3.31	1.61	0.98	0.05	0.31	37	7	1	23	7	9	5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	0.7	95	11	80	<0.1	-	2	40	18	0.1	1	8	1	4.74	720	<1	200	54	133	4	1	5	3.09	1.83	1.08	0.06	0.32	39	9	-	-	1	18	1
CANMET LAKE-SED 2		-	-	0.3	36	36	199	-	-	1	24	16	0.9	<5	11	<5	3.51	1792	<10	202	29	44	<20	<20	48	1.60	0.56	0.58	0.03	0.22	27	24	<2	14	4	<5	<10
Number of Analyses		-	-	1	1	1	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	0.3	36	36	199	-	-	1	24	16	0.9	3	11	3	3.51	1792	5	202	29	44	10	10	48	1.60	0.56	0.58	0.03	0.22	27	24	1	14	4	3	5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	0.8	36	40	200	-	-	2	23	17	0.8	-	9	1	3.50	1840	-	-	29	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxide (Feldspar & Number of Analyses	177	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value	177	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	186	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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SAMPLE NUMBER	ELEMENT Au30		Ag	Cu	Pb	Zn		ZnOL	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta
	UNITS	PPB				PPB	PPM																														
858031		41	1.4	24	22	369				1	39	19	0.9	<5	60	<5	5.30	1823	<10	28	108	26	<20	<20	7	2.02	1.63	0.83	0.02	0.23	8	6	<2	49	<1	<5	<10
858032		74	2.8	35	9	246				2	37	21	0.4	<5	69	<5	5.20	1344	<10	26	129	16	<20	<20	5	1.79	1.24	0.31	0.02	0.22	5	4	<2	39	<1	<5	<10
858033		71	3.1	29	10	131				3	38	20	<0.2	<5	87	<5	4.85	1450	<10	24	109	16	<20	<20	6	1.72	1.16	0.68	0.02	0.21	8	5	<2	33	<1	<5	<10
858034		12	0.4	14	3	173				1	20	13	<0.2	<5	10	<5	3.97	2599	<10	25	94	26	<20	<20	21	2.49	1.73	4.06	0.02	0.21	19	11	<2	48	<1	<5	<10
858035		72	1.4	32	6	319				9	37	17	1.7	<5	55	<5	3.97	1308	<10	25	114	18	<20	<20	7	1.81	1.25	1.42	0.02	0.20	10	5	<2	34	<1	<5	<10
858036		99	1.5	15	9	65				2	38	19	<0.2	<5	70	<5	4.34	762	<10	33	123	16	<20	<20	4	1.65	1.05	0.19	0.02	0.24	7	4	<2	25	<1	<5	<10
858037		135	2.9	42	14	117				2	44	22	0.5	<5	91	<5	6.12	941	<10	29	117	18	<20	<20	5	1.82	1.01	0.24	0.02	0.25	6	4	<2	25	<1	<5	<10
858038		203	4.0	1794	19	3529				2	41	21	15.6	<5	73	<5	4.86	1086	<10	24	107	16	<20	<20	8	1.58	0.83	0.35	0.02	0.24	6	7	<2	22	<1	<5	<10
858039		136	3.1	688	11	8455				2	36	13	30.2	<5	52	<5	3.36	598	<10	26	86	10	<20	<20	7	1.08	0.41	0.23	0.03	0.26	7	6	<2	10	<1	<5	<10
858040		50	1.1	282	6	>10000	1.9	1.83	<1	23	5	78.9	<5	15	<5	1.63	807	<10	28	77	12	<20	<20	6	1.11	0.40	0.43	0.03	0.28	7	5	<2	10	<1	<5	<10	
858041		99	2.1	444	17	>10000	2.5	2.51	<1	48	15	117.2	<5	52	<5	3.82	562	15	27	111	12	<20	<20	5	1.10	0.43	0.18	0.03	0.26	7	4	<2	11	<1	<5	<10	
858042		57	1.6	167	8	9537				<1	55	14	43.4	<5	48	<5	3.37	806	<10	23	107	16	<20	<20	7	1.64	0.92	0.38	0.03	0.23	8	5	<2	24	<1	<5	<10
858043		51	1.3	67	2	3313				7	29	9	14.5	<5	13	<5	1.88	379	<10	23	102	12	<20	<20	2	1.21	0.57	0.21	0.03	0.25	7	3	<2	15	<1	<5	<10
858044		99	2.7	95	<2	1001				2	33	9	4.4	<5	13	<5	2.22	286	<10	25	92	11	<20	<20	5	1.07	0.48	0.13	0.03	0.24	7	4	<2	12	<1	<5	<10
858045		19	0.5	36	3	1851				2	37	11	8.6	<5	21	<5	3.23	773	<10	22	96	20	<20	<20	4	2.05	1.24	0.21	0.03	0.20	8	3	<2	29	<1	<5	<10
858046		14	0.5	43	8	206				4	45	29	0.5	<5	36	<5	6.02	1558	<10	17	118	33	<20	<20	10	3.70	2.71	1.41	0.03	0.14	16	7	<2	55	<1	<5	<10
858047		19	0.3	65	6	188				7	49	31	0.4	<5	46	<5	6.63	1535	<10	19	109	36	<20	<20	10	3.84	2.72	1.18	0.03	0.15	14	7	<2	61	<1	<5	<10
858048		9	<0.2	37	3	209				5	42	21	0.3	<5	36	<5	5.89	1659	<10	18	108	35	<20	<20	8	3.89	3.03	1.24	0.03	0.14	14	6	<2	60	<1	<5	<10
858049		9	<0.2	39	4	256				2	42	16	0.5	<5	22	<5	5.53	1643	<10	16	115	32	<20	<20	7	3.56	3.11	1.72	0.03	0.12	16	6	<2	55	<1	<5	<10
858050		9	0.2	12	4	346				1	39	13	0.8	<5	13	<5	4.45	1483	<10	17	103	31	<20	<20	7	3.61	2.99	1.81	0.03	0.12	17	6	<2	57	<1	<5	<10
858051		23	0.4	35	5	465				2	44	19	0.4	<5	30	<5	6.69	1615	<10	16	126	41	<20	<20	6	4.35	3.14	1.14	0.03	0.11	14	4	<2	66	<1	<5	<10
858052		32	0.9	20	6	275				1	44	16	0.3	<5	32	<5	6.42	1377	<10	21	112	31	<20	<20	6	3.54	2.35	1.60	0.04	0.14	16	5	<2	52	<1	<5	<10
858053		75	0.9	315	7	4528				2	42	19	47.7	<5	31	<5	6.87	1238	<10	21	110	31	<20	<20	7	3.43	2.12	0.50	0.03	0.16	10	5	<2	47	<1	<5	<10
858054		17	<0.2	91	5	286				2	47	20	0.3	<5	21	<5	6.43	1648	<10	14	102	37	<20	<20	7	4.02	2.65	1.61	0.03	0.11	14	5	<2	58	<1	<5	<10
858055		35	0.8	60	6	196				2	47	23	<0.2	<5	23	<5	6.05	1279	<10	20	101	32	<20	<20	9	3.51	2.26	0.58	0.04	0.14	14	5	<2	49	<1	<5	<10
858056		22	<0.2	55	5	144				2	45	24	0.3	<5	20	<5	6.19	1597	<10	16	101	33	<20	<20	6	3.81	2.58	1.79	0.04	0.10	14	4	<2	55	<1	<5	<10
858057		19	<0.2	31	6	252				1	48	20	0.4	<5	29	<5	5.83	1546	<10	26	123	36	<20	<20	6	3.62	2.44	2.40	0.04	0.14	16	4	<2	50	<1	<5	<10
858058		12	<0.2	29	2	195				2	40	17	0.2	<5	<5	<5	4.68	1174	<10	26	120	33	<20	<20	7	3.25	2.25	2.75	0.06	0.12	22	4	<2	46	<1	<5	<10

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SAMPLE NUMBER	ELEMENT Au30		Ag	Cu	Pb	Zn	ZnOL	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	
	UNITS	PPB																																			PPM
858001	<5		0.3	36	19	50																															
858002	6		1.7	52	89	230		2	70	22	<0.2	<5	20	<5	3.37	289	<10	71	92	45	<20	<20	9	2.44	1.21	0.25	0.05	0.40	15	6	<2	60	2	<5	<10		
858003	<5		0.3	31	40	265		2	60	26	0.3	<5	61	<5	6.03	278	<10	47	89	41	<20	<20	9	2.38	1.55	0.43	0.05	0.32	20	5	<2	70	1	<5	<10		
858004	513	502	8.0	90	109	371		<1	45	19	<0.2	<5	25	<5	3.78	449	<10	75	69	58	<20	<20	5	3.07	2.22	0.50	0.08	0.34	34	4	<2	81	2	<5	<10		
858005	118	114	12.8	45	99	337		3	46	38	1.1	<5	266	6	>10.00	292	<10	4	118	29	<20	<20	4	1.88	0.99	0.23	0.03	0.25	13	4	<2	46	<1	<5	<10		
858006	<5		0.2	39	6	130		3	33	17	1.0	<5	172	<5	>10.00	179	<10	7	135	26	<20	<20	3	1.01	0.40	1.07	0.04	0.19	25	2	<2	16	<1	<5	<10		
858007	<5		0.3	86	15	117		2	16	37	<0.2	<5	<5	<5	8.01	538	<10	47	31	190	<20	<20	20	1.94	1.01	1.55	0.08	0.14	23	23	3	12	11	7	<10		
858008	648	706	1.8	70	15	1738		1	22	52	<0.2	<5	42	<5	>10.00	1079	<10	20	31	232	<20	<20	20	3.59	3.16	1.93	0.05	0.07	45	26	4	41	11	19	<10		
858009	473	525	2.1	25	18	97		2	31	36	7.6	<5	41	<5	6.58	412	<10	38	79	113	<20	<20	8	1.91	1.11	0.91	0.04	0.25	16	13	<2	24	6	9	<10		
858010	397	416	5.0	23	39	173		2	38	22	<0.2	<5	64	<5	3.47	73	<10	49	96	16	<20	<20	4	0.87	0.23	0.27	0.03	0.40	8	4	<2	10	<1	<5	<10		
858011	981	1034	9.3	28	65	214		2	41	21	0.3	<5	79	<5	5.51	74	<10	19	87	14	<20	<20	5	0.96	0.31	0.19	0.02	0.43	10	4	<2	13	<1	<5	<10		
858012	250		2.7	19	23	266		2	44	19	0.5	<5	99	<5	6.15	50	<10	16	87	11	<20	<20	4	0.68	0.15	0.17	0.03	0.33	9	4	<2	6	<1	<5	<10		
858013	404	411	2.8	51	27	1113		2	40	19	0.7	<5	85	<5	4.00	38	<10	37	92	9	<20	<20	4	0.68	0.14	0.19	0.02	0.35	10	4	<2	6	<1	<5	<10		
858014	97		3.0	27	20	46		2	37	21	4.2	<5	82	<5	4.26	50	<10	27	106	32	<20	<20	3	0.63	0.17	0.22	0.05	0.24	6	7	<2	5	2	<5	<10		
858015	282		4.2	36	33	161		2	40	19	<0.2	<5	91	<5	4.49	39	<10	29	105	9	<20	<20	5	0.71	0.19	0.17	0.03	0.28	9	4	<2	7	<1	<5	<10		
858016	255		2.0	20	22	140		2	37	18	0.2	<5	103	<5	5.91	80	<10	25	107	10	<20	<20	4	0.88	0.40	0.15	0.03	0.27	9	3	<2	11	<1	<5	<10		
858017	76		0.7	9	14	74		2	42	19	<0.2	<5	120	<5	4.61	155	<10	24	105	10	<20	<20	2	1.00	0.60	0.14	0.03	0.26	7	2	<2	12	<1	<5	<10		
858018	126		1.1	10	12	53		2	39	18	<0.2	<5	71	<5	2.99	242	<10	33	101	10	<20	<20	3	1.07	0.67	0.14	0.03	0.27	6	3	<2	13	<1	<5	<10		
858019	95		0.7	9	16	226		2	36	16	<0.2	<5	67	<5	2.87	167	<10	28	116	13	<20	<20	4	1.17	0.80	0.14	0.03	0.28	8	3	<2	20	<1	<5	<10		
858020	76		0.8	9	11	27		1	36	15	0.4	<5	53	<5	3.14	176	<10	32	103	21	<20	<20	4	1.62	1.31	0.17	0.03	0.35	9	4	<2	43	<1	<5	<10		
858021	383		1.3	26	21	79		2	40	14	<0.2	<5	56	<5	3.16	117	<10	31	103	15	<20	<20	4	0.98	0.64	0.19	0.02	0.31	9	4	<2	24	<1	<5	<10		
858022	35		0.6	208	9	534		2	49	25	<0.2	<5	88	<5	5.75	231	<10	40	85	53	<20	<20	6	1.39	0.75	0.42	0.02	0.38	17	7	<2	20	3	5	<10		
858023	5		<0.2	189	41	290		<1	53	55	2.0	<5	54	<5	9.52	1014	<10	9	76	272	<20	<20	10	3.57	2.68	1.36	0.13	0.04	21	21	<2	24	14	18	<10		
858024	78		1.1	37	53	2764		<1	60	60	0.6	<5	19	<5	>10.00	1658	<10	12	98	302	<20	<20	10	4.44	3.59	1.10	0.06	0.07	19	25	3	38	15	30	<10		
858025	48		0.8	14	17	406		<1	38	20	11.7	<5	21	<5	5.66	652	<10	40	88	23	<20	<20	4	1.68	0.65	0.28	0.02	0.48	17	6	<2	26	<1	<5	<10		
858026	187	191	4.2	24	30	161		1	33	16	1.1	<5	28	<5	3.52	1040	<10	46	88	23	<20	<20	4	1.95	0.85	0.19	0.02	0.48	17	6	<2	35	<1	<5	<10		
858027	1002	934	17.2	51	67	969		2	38	19	0.4	<5	82	<5	4.71	199	<10	35	95	15	<20	<20	6	0.93	0.24	0.19	0.01	0.42	14	6	<2	9	<1	<5	<10		
858028	630	488	22.1	50	68	2382		2	40	16	3.9	<5	208	<5	>10.00	150	<10	5	140	14	<20	<20	4	0.77	0.17	0.13	0.02	0.34	7	4	<2	5	<1	<5	<10		
858029	426		40.5	42	61	960		2	37	16	9.7	<5	222	<5	>10.00	158	<10	5	152	10	<20	<20	4	0.68	0.16	0.09	0.02	0.28	4	4	<2	6	<1	<5	<10		
858030	380		14.5	77	135	2866		2	36	15	3.5	<5	213	<5	>10.00	164	<10	5	133	10	<20	<20	6	0.63	0.14	0.16	0.02	0.25	5	4	<2	5	<1	<5	<10		
								8	41	19	10.4	<5	107	<5	6.48	436	<10	22	131	12	<20	<20	6	0.83	0.44	0.21	0.02	0.25	6	5	<2	14	<1	<5	<10		



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SAMPLE NUMBER	ELEMENT Au30 UNITS	Ag PPB	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Tl PCT	Zr PPM	S PCT
858164	<5	0.3	68	18	346	<1	19	45	1.2	<5	<5	<5	8.91	790	<10	20	38	157	<20	<20	19	2.72	1.46	2.40	0.06	0.05	24	21	3	16	9	6	<10	0.350	25	0.27
Duplicate		0.4	67	16	331	<1	19	43	1.1	<5	<5	<5	8.88	783	<10	20	36	159	<20	<20	19	2.65	1.45	2.39	0.06	0.05	24	21	<2	15	9	6	<10	0.362	25	0.27
858181	39	3.0	26	14	519	1	43	19	1.9	<5	94	<5	5.42	94	<10	19	89	7	<20	<20	5	0.62	0.11	0.19	0.04	0.14	11	4	<2	4	<1	<5	<10	<.010	12	5.70
Duplicate		2.9	26	15	509	1	42	19	1.8	<5	90	<5	5.34	91	<10	18	86	7	<20	<20	5	0.59	0.10	0.18	0.04	0.14	11	4	<2	4	<1	<5	<10	<.010	11	5.68



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SAMPLE NUMBER	ELEMENT UNITS	AU30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Tl PCT	Zr PPM	S PCT
858191		22	0.5	16	4	306	<1	27	17	1.2	<5	26	<5	4.01	946	<10	18	68	11	<20	<20	4	1.21	0.81	2.84	0.04	0.14	17	5	<2	14	<1	<5	<10	0.032	7	3.62
858192		11	0.3	16	3	95	<1	25	15	<0.2	<5	22	<5	3.94	969	<10	20	62	11	<20	<20	5	1.21	0.79	3.21	0.04	0.12	17	6	<2	15	<1	<5	<10	0.031	6	3.48
858193		13	0.6	15	3	79	<1	27	16	<0.2	<5	27	<5	4.93	883	<10	20	66	13	<20	<20	6	1.50	0.99	1.91	0.04	0.11	13	5	<2	20	<1	<5	<10	0.025	6	4.09
858194		10	0.9	13	3	87	<1	26	16	<0.2	<5	14	<5	3.88	1081	<10	16	68	18	<20	<20	5	1.98	1.31	2.29	0.05	0.09	15	6	<2	26	<1	<5	<10	0.039	4	2.20



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STANDARD NAME	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
Oxide (Feldspar & Number of Analyses		-	-	-
Mean Value		-	-	-
Standard Deviation		-	-	-
Accepted Value		-	-	-
ME89-1		-	-	-
Number of Analyses		-	-	-
Mean Value		-	-	-
Standard Deviation		-	-	-
Accepted Value		-	-	-
CANMET CERTIFIED STD		-	-	-
Number of Analyses		-	-	-
Mean Value		-	-	-
Standard Deviation		-	-	-
Accepted Value		-	-	-

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SAMPLE NUMBER	ELEMENT UNITS	Ti PCT	Zr PPM	S PCT
858010		0.072	8	5.97
Duplicate		0.073	9	6.21
858027		<.010	8	>10.00
Duplicate		<.010	8	>10.00
858028		<.010	9	>10.00
Prep Duplicate		<.010	8	>10.00
858032		<.010	6	4.39
Duplicate				
858040		<.010	8	1.86
Duplicate				
858046		<.010	11	2.82
Duplicate		<.010	10	2.32
858053		<.010	4	3.51
Duplicate				

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SAMPLE NUMBER	ELEMENT UNITS	Au30	Auulp	AuRw	AuRw	Ag	AgOL	Ag	Cu	Pb	Pb	Zn	ZnOL	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na		
		PPB	G/T	G/T	G/T	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT		
858072	23					<0.2			9	6		51																								
858073	5					<0.2			7	4		86			30	74	24	0.2	<5	<5	<5	3.49	271	<10	17	111	55	<20	<20	15	1.22	1.13	1.52	0.08		
858074	5					0.6			51	19		107			3	89	28	<0.2	<5	<5	<5	4.78	495	<10	28	79	42	<20	<20	2	3.23	2.04	0.32	0.03		
858075	64					4.4			146	426		975			2	77	27	0.3	<5	52	<5	3.74	525	<10	43	93	48	<20	<20	15	2.44	1.25	0.55	0.07		
858076	8048	7.88				>200.0			356	350.2	572.1	>10000	1.50	>10000	4.2	4.10	<1	44	42	163.8	<5	766	57	>10.00	91	23	12	115	13	29	91	3	0.28	0.10	0.35	0.05
858077	4176	5.28				113.3			2029	9116		>10000	6.9	6.57	2	28	21	270.7	<5	1144	12	7.98	143	21	10	125	18	<20	139	3	0.32	0.16	2.93	0.07		
858078	2512	2.50				45.2			303	810		>10000	1.5	1.43	<1	34	16	52.4	<5	366	<5	>10.00	63	12	10	108	10	<20	27	3	0.60	0.14	0.19	0.03		
858079	1505	0.81	2.20	1.17		33.5			59	853		720			<1	45	20	2.8	<5	287	<5	6.87	45	<10	16	73	11	<20	<20	6	1.04	0.27	0.35	0.06		
858080	349					14.1			66	246		290			<1	25	56	1.9	<5	977	<5	>10.00	963	<10	14	31	235	<20	<20	18	3.73	2.64	1.68	0.06		
858081	87					6.2			38	52		221			3	33	15	0.6	<5	81	<5	4.24	229	<10	48	94	26	<20	<20	6	1.87	1.11	0.81	0.06		
858082	24					0.4			11	76		141			2	26	11	0.5	<5	40	<5	2.53	292	<10	82	104	36	<20	<20	7	1.76	1.06	1.68	0.08		
858083	18					0.7			13	19		100			3	31	13	0.3	<5	46	<5	2.85	236	<10	94	89	34	<20	<20	8	2.17	1.19	1.24	0.07		
858084	8					0.7			21	33		237			3	27	13	0.7	<5	43	<5	2.71	319	<10	92	76	30	<20	<20	7	2.69	1.86	0.89	0.03		
858085	769					3.9			61	23		203			3	31	15	0.7	<5	63	<5	3.79	140	<10	59	64	20	<20	<20	6	1.91	1.04	0.27	0.04		
858086	734					11.3			85	125		297			<1	33	19	1.2	<5	256	<5	>10.00	96	<10	12	110	17	<20	<20	4	0.96	0.41	0.37	0.02		
858087	8					<0.2			36	12		81			<1	17	42	0.3	<5	18	<5	8.85	642	<10	22	29	188	<20	<20	20	2.65	2.82	1.61	0.08		



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SAMPLE NUMBER	ELEMENT UNITS	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
		PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
858072		0.06	18	6	5	13	3	7	<10	0.062	26	2.49
858073		0.21	10	6	9	41	<1	<5	<10	0.075	27	0.50
858074		0.27	22	8	2	54	2	5	<10	0.163	23	0.33
858075		0.22	17	7	4	43	2	<5	<10	0.128	25	0.81
858076		0.06	17	2	9	4	<1	<5	<10	0.066	6	>10.00
858077		0.05	12	3	3	5	<1	<5	<10	0.077	6	>10.00
858078		0.26	16	2	7	5	<1	<5	<10	0.043	11	>10.00
858079		0.40	25	3	4	15	<1	<5	<10	0.046	19	7.07
858080		0.09	32	24	<2	50	15	25	<10	0.558	35	1.27
858081		0.34	25	3	6	49	<1	<5	<10	0.046	23	3.10
858082		0.29	29	2	6	35	2	<5	<10	0.058	24	1.08
858083		0.43	30	3	6	44	1	<5	<10	0.044	24	1.30
858084		0.44	19	4	5	76	<1	<5	<10	0.053	25	0.29
858085		0.50	20	4	5	50	<1	<5	<10	0.025	24	2.80
858086		0.38	19	4	7	14	<1	<5	<10	0.036	16	>10.00
858087		0.11	58	26	4	30	12	20	<10	0.320	23	0.25

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STANDARD NAME	ELEMENT UNITS	Au30 PPB	AuPulp G/T	AuRhw G/T	ALRhw G/T	Ag PPM	AgOL PPH	Ag PPM	Cu PPM	Pb PPM	Pb PCT	Zn PPM	ZnOL PCT	Zn PCT	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	
Oxide (Feldspar & Number of Analyses		449	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		449	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		465	-	0.47	0.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ANALYTICAL BLANK		<5	-	-	-	<0.2	-	-	<1	<2	-	<1	-	-	<1	<1	<1	<0.2	<5	<5	<5	<0.01	<1	<10	<1	<1	<1	<20	<20	<1	<0.01	<0.01	<0.01	<0.01	
Number of Analyses		1	-	-	-	1	-	-	1	1	-	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mean Value		3	-	-	-	0.1	-	-	<1	1	-	<1	-	-	<1	<1	<1	0.1	3	3	3	<0.01	<1	5	<1	<1	<1	10	10	<1	<0.01	<0.01	<0.01	<0.01	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		5	<0.01	<0.01	<0.01	0.2	<1	<0.1	1	2	<0.01	1	<0.1	<0.01	1	1	1	1.0	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	<0.01	<0.01	<0.01	<0.01	
CANMET STREAM-SED 4		-	-	-	-	<0.2	-	-	71	13	-	82	-	-	1	24	11	0.4	<5	14	6	2.96	1253	<10	942	32	47	<20	<20	13	1.34	0.79	1.29	0.05	
Number of Analyses		-	-	-	-	1	-	-	1	1	-	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mean Value		-	-	-	-	0.1	-	-	71	13	-	82	-	-	1	24	11	0.4	3	14	6	2.96	1253	5	942	32	47	10	10	13	1.34	0.79	1.29	0.05	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	-	-	0.3	-	-	66	13	-	82	-	-	2	23	11	0.6	-	11	4	2.60	1200	-	-	30	51	-	-	-	-	-	-	-	
BCC Au Std.11		-	9.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		-	9.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	9.90	9.90	9.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CANMET CERTIFIED STD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	-	-	-	-	69.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ME89-1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	-	-	-	-	30.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



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PROJECT: 741

STANDARD NAME	ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
Oxide (Feldspar & Number of Analyses		-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<0.01
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		<.01	<1	<1	1	<1	<1	3	5	0.005	<1	<0.01
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		<.01	<1	<1	<1	<1	<1	<1	<1	<.001	<1	<0.01
CANMET STREAM-SED 4		0.11	67	10	<2	9	3	<5	<10	0.075	<1	0.10
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.11	67	10	1	9	3	3	5	0.075	<1	0.10
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-
BCC Au Std.11		-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-
CANMET CERTIFIED STD		-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-
ME89-1		-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-

Problem Page

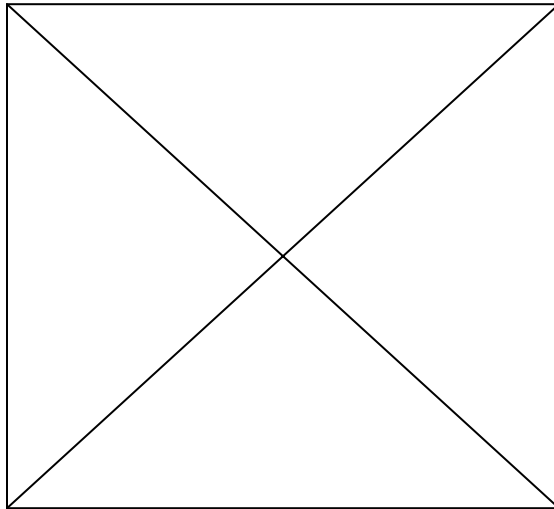
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CLIENT: ECHO BAY MINES
REPORT: T00-57048.0 (COMPLETE)

PROJECT: 741

DATE RECEIVED: 21-FEB-00 DATE PRINTED: 29-FEB-00 PAGE 3B(6/ 8)

STANDARD NAME	ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
CANMET Std CCU-1A		-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-
BCC STANDARD ME90-1		-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-

CLIENT: ECHO BAY MINES

REPORT: T00-57048.0 (COMPLETE)

DATE RECEIVED: 21-FEB-00

DATE PRINTED: 29-FEB-00

PROJECT: 741

PAGE 4A(7 / 8)

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	AuPulp G/T	AuRew G/T	Ag PPM	AgOL PPM	Ag PPM	Cu PPM	Pb PPM	Pb PCT	Zn PPM	ZnOL PCT	Zn PCT	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT
858076	8048	7.88			>200.0	356	350.2	5721	>10000	1.50	>10000	4.2	4.10	<1	44	42	163.8	<5	766	57	>10.00	91	23	12	115	13	29	91	3	0.28	0.10	0.35	0.05
Duplicate						354.0				1.49			4.23																				
858080	349				14.1																												
Duplicate					15.1																												

CLIENT: ECHO BAY MINES
 REPORT: T00-57048.0 (COMPLETE)

DATE RECEIVED: 21-FEB-00 DATE PRINTED: 29-FEB-00 PAGE 4B(8/ 8)

PROJECT: 741

SAMPLE NUMBER	ELEMENT UNITS	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
858076 Duplicate		0.06	17	2	9	4	<1	<5	<10	0.066	6	>10.00
858080 Duplicate		0.09	32	24	<2	50	15	25	<10	0.558	35	1.27
		0.09	33	24	<2	51	15	26	<10	0.558	35	1.35



REPORT: T00-57060.0 (COMPLETE)

REFERENCE:

CLIENT: ECHO BAY MINES

SUBMITTED BY:

PROJECT: 741

DATE RECEIVED: 25-FEB-00 DATE PRINTED: 2-MAR-00

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER	
000225	1 Au30	Gold	27	5 PPB	Fire Assay of 30g	30g Fire Assay - AA	DRILL CORE	27	-150	27	CRUSH, SPLIT PULVERIZATION	27
000225	2 Ag	Silver	27	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	3 Cu	Copper	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	4 Pb	Lead	27	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	5 Zn	Zinc	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	6 Mo	Molybdenum	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	7 Ni	Nickel	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	8 Co	Cobalt	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	9 Cd	Cadmium	27	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	10 Bi	Bismuth	27	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	11 As	Arsenic	27	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	12 Sb	Antimony	27	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	13 Fe	Iron	27	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	14 Mn	Manganese	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	15 Te	Tellurium	27	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	16 Ba	Barium	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	17 Cr	Chromium	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	18 V	Vanadium	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	19 Sn	Tin	27	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	20 W	Tungsten	27	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	21 La	Lanthanum	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	22 Al	Aluminum	27	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	23 Mg	Magnesium	27	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	24 Ca	Calcium	27	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	25 Na	Sodium	27	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	26 K	Potassium	27	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	27 Sr	Strontium	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	28 Y	Yttrium	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	29 Ga	Gallium	27	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	30 Li	Lithium	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	31 Nb	Niobium	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	32 Sc	Scandium	27	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	33 Ta	Tantalum	27	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	34 Ti	Titanium	27	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	35 Zr	Zirconium	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
000225	36 S	Sulphur	27	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						

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INVOICE TO: MR PAUL DEGAGNE

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CLIENT: ECHO BAY MINES

REPORT: T00-57060.0 (COMPLETE)

DATE RECEIVED: 25-FEB-00

DATE PRINTED: 2-MAR-00 PAGE 1 OF 3

PROJECT: 741

SAMPLE NUMBER	ELEMENT Au30 UNITS	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Tl	Zr	S
		PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
858134	19	0.3	11	3	32	30	18	11	<0.2	<5	<5	<5	1.79	235	<10	19	71	34	<20	<20	5	0.81	0.77	3.89	0.09	0.04	23	4	3	7	2	<5	<10	0.038	12	1.04
858135	72	0.4	29	7	65	90	28	21	0.3	<5	<5	<5	3.18	325	<10	5	83	73	<20	<20	4	1.42	1.44	3.46	0.08	<0.01	20	5	5	15	4	<5	<10	0.074	16	1.59
858136	40	<0.2	30	4	66	16	21	11	<0.2	<5	<5	<5	2.43	271	<10	20	73	49	<20	<20	7	1.20	1.11	2.41	0.08	0.04	27	3	5	9	3	<5	<10	0.030	12	0.97
858137	31	<0.2	71	3	109	2	35	28	0.2	<5	<5	<5	5.93	812	<10	9	82	115	<20	<20	13	3.49	2.93	4.83	0.04	0.02	87	5	8	30	7	8	<10	0.108	14	0.65
858138	45	<0.2	39	4	37	10	19	10	<0.2	<5	<5	<5	1.99	242	<10	24	65	39	<20	<20	5	0.96	0.87	2.46	0.10	0.03	27	3	3	8	2	<5	<10	0.056	12	0.80
858139	327	0.2	35	3	63	4	19	9	<0.2	<5	<5	<5	2.10	268	<10	38	76	38	<20	<20	8	1.12	0.92	2.59	0.07	0.08	29	3	4	11	2	<5	<10	0.049	12	0.68
858140	8	2.7	58	22	111	2	78	28	0.4	<5	53	<5	5.52	536	<10	34	83	28	<20	<20	12	2.43	1.10	1.91	0.05	0.13	27	6	3	32	<1	<5	<10	0.099	26	2.63
858141	52	12.4	38	357	1066	<1	38	19	2.9	<5	259	8	>10.00	184	<10	17	82	11	24	<20	4	0.97	0.24	3.15	0.06	0.15	42	2	7	10	<1	<5	<10	0.063	15	>10.00
858142	737	54.3	149	1679	9725	<1	43	19	38.3	<5	1097	<5	>10.00	101	11	12	113	9	25	23	2	0.73	0.16	0.53	0.05	0.15	27	1	6	6	<1	<5	<10	0.058	12	>10.00
858143	<5	0.5	67	11	51	2	27	12	<0.2	<5	12	<5	2.42	310	<10	29	68	21	<20	<20	7	1.82	1.10	3.20	0.06	0.10	30	2	4	18	<1	<5	<10	0.043	21	0.35
858144	<5	<0.2	27	3	47	1	26	12	<0.2	<5	<5	<5	2.23	287	<10	30	74	28	<20	<20	7	1.71	1.09	3.01	0.06	0.09	25	2	5	18	1	<5	<10	0.042	20	0.11
858145	<5	<0.2	31	3	36	1	26	12	<0.2	<5	<5	<5	2.21	276	<10	29	79	27	<20	<20	8	1.67	1.04	2.58	0.06	0.08	23	2	4	17	<1	<5	<10	0.045	18	0.08
858146	10	1.2	59	7	78	3	49	17	<0.2	<5	62	<5	4.00	821	<10	27	79	28	<20	<20	15	2.58	1.30	6.38	0.06	0.12	37	8	4	33	<1	<5	<10	0.065	28	1.24
858147	214	30.8	132	1193	1789	<1	53	48	4.1	<5	681	17	>10.00	259	12	14	63	17	31	<20	5	1.85	0.58	2.04	0.05	0.08	41	2	12	25	<1	<5	<10	0.046	9	>10.00
858148	218	38.8	35	342	727	1	48	23	0.6	<5	1858	7	8.73	152	<10	26	89	16	<20	<20	6	1.41	0.49	1.48	0.07	0.17	31	2	5	20	<1	<5	<10	0.076	16	8.91
858149	506	109.2	31	126	278	<1	44	19	0.4	<5	579	6	>10.00	139	<10	22	106	11	<20	<20	4	1.02	0.28	2.13	0.06	0.16	32	1	7	13	<1	<5	<10	0.055	8	>10.00
858150	32	6.4	24	125	835	<1	36	17	2.7	<5	132	<5	6.43	104	<10	22	87	18	<20	<20	4	1.44	0.95	0.41	0.06	0.15	21	1	6	26	<1	<5	<10	0.059	13	6.03
858151	41	9.6	37	164	639	2	34	39	2.8	<5	148	<5	>10.00	680	<10	18	79	116	<20	<20	10	2.78	1.72	2.54	0.05	0.12	22	12	<2	32	7	8	<10	0.400	25	5.44
858152	32	4.5	33	246	1570	<1	40	18	5.1	<5	104	<5	8.96	165	<10	24	109	21	<20	<20	4	1.67	1.17	0.78	0.05	0.17	21	2	6	30	<1	<5	<10	0.028	15	8.53
858153	35	3.6	24	115	487	<1	40	19	1.7	<5	84	<5	8.63	143	<10	28	102	18	<20	<20	3	1.54	0.99	0.76	0.05	0.20	20	2	5	28	<1	<5	<10	0.043	14	8.46
858154	41	2.4	36	114	536	<1	31	24	2.1	<5	121	<5	>10.00	305	<10	28	86	67	<20	<20	6	1.86	1.26	1.06	0.05	0.19	24	7	4	31	3	<5	<10	0.236	23	8.47
858155	61	3.5	23	147	1401	<1	44	22	4.9	<5	72	<5	7.23	84	<10	42	93	17	<20	<20	4	1.56	0.73	0.35	0.05	0.37	23	3	5	26	<1	<5	<10	0.043	15	7.30
858156	301	3.8	17	36	42	<1	45	20	0.2	<5	85	<5	>10.00	68	<10	21	99	14	<20	<20	4	1.48	0.60	0.29	0.05	0.37	22	7	5	23	<1	<5	<10	0.051	17	>10.00
858157	200	5.5	22	51	30	<1	36	15	<0.2	<5	81	<5	>10.00	55	<10	15	96	12	<20	<20	3	1.18	0.44	0.23	0.05	0.30	20	6	7	18	<1	<5	<10	0.035	11	>10.00
858158	77	2.0	11	25	19	<1	44	19	<0.2	<5	59	<5	8.86	58	<10	23	98	12	<20	<20	4	1.10	0.49	0.21	0.04	0.32	16	7	4	19	<1	<5	<10	0.047	13	9.10
858159	137	6.1	21	27	17	<1	43	17	<0.2	<5	63	<5	9.63	29	<10	22	99	10	<20	<20	4	0.77	0.15	0.21	0.04	0.32	16	20	4	8	<1	<5	<10	0.041	11	>10.00
858160	140	2.9	22	46	81	<1	48	19	0.3	<5	62	<5	>10.00	41	<10	21	100	12	<20	<20	6	1.06	0.33	0.30	0.04	0.37	22	12	4	17	<1	<5	<10	0.064	12	>10.00



CLIENT: ECHO BAY MINES

PROJECT: 741

REPORT: T00-57060.0 (COMPLETE)

DATE RECEIVED: 25-FEB-00

DATE PRINTED: 2-MAR-00 PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Au	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
		PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
858134	19		0.3	11	3	32	30	18	11	<0.2	<5	<5	<5	1.79	235	<10	19	71	34	<20	<20	5	0.81	0.77	3.89	0.09	0.04	23	4	3	7	2	<5	<10	0.038	12	1.04
Duplicate			0.3	11	3	31	29	18	11	<0.2	<5	<5	<5	1.75	229	<10	19	70	32	<20	<20	4	0.79	0.76	3.81	0.08	0.04	22	3	2	6	2	<5	<10	0.037	11	1.01
858152	32		4.5	33	246	1570	<1	40	18	5.1	<5	104	<5	8.96	165	<10	24	109	21	<20	<20	4	1.67	1.17	0.78	0.05	0.17	21	2	6	30	<1	<5	<10	0.028	15	8.53
Duplicate			4.7	31	250	1594	<1	41	18	5.1	<5	102	<5	8.92	166	<10	24	108	21	<20	<20	4	1.69	1.16	0.78	0.05	0.17	21	2	6	30	<1	<5	<10	0.028	14	8.70



CLIENT: ECHO BAY MINES

PROJECT: 741

REPORT: T00-57059.0 (COMPLETE)

DATE RECEIVED: 23-FEB-00

DATE PRINTED: 29-FEB-00

PAGE 1A(1/10)

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Aupulp G/T	Ag PPM	Cu PPM	Pb PPM	Zn PPM	ZnOL PCT	Zn PCT	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Str PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
858088	1487	1.49	2.3	76	12	2210			1	32	32	9.7	<5	40	<5	6.46	279	<10	45	101	95	<20	<20	7	1.68	0.57	0.66	0.03	0.24	13	12	<2	18	5	9	<10	0.290	
858089	94		0.2	37	4	122			1	18	38	0.3	<5	12	<5	8.77	533	<10	48	41	201	<20	<20	23	2.10	0.98	1.39	0.12	0.15	23	28	3	14	12	8	<10	0.342	
858090	1414	1.43	1.5	28	17	58			1	38	21	0.4	<5	67	<5	4.28	142	<10	47	82	24	<20	<20	5	1.16	0.35	0.24	0.02	0.36	12	6	<2	17	<1	<5	<10	0.029	
858091	2124	2.32	2.1	21	23	34			<1	39	24	0.3	<5	68	<5	5.18	193	<10	42	91	37	<20	<20	5	1.31	0.54	0.31	0.02	0.34	11	7	<2	22	2	<5	<10	0.089	
858092	29		<0.2	44	4	134			1	19	46	0.4	<5	24	<5	9.76	694	<10	18	27	216	<20	<20	23	2.51	1.36	1.51	0.09	0.07	18	30	4	17	13	11	<10	0.525	
858093	7868	8.38	5.3	86	17	700			2	33	21	2.7	<5	20	<5	4.83	380	<10	64	112	53	<20	<20	4	1.78	0.88	0.27	0.04	0.20	9	4	<2	31	2	5	<10	0.108	
858094	46		0.2	42	6	131			1	17	40	0.5	<5	29	<5	8.38	680	<10	17	27	187	<20	<20	22	2.24	1.14	1.83	0.08	0.07	18	26	4	13	10	9	<10	0.380	
858095	1794	2.00	6.4	41	24	513			1	48	27	2.4	<5	160	<5	6.83	131	<10	27	85	27	<20	<20	6	1.02	0.50	0.25	0.04	0.23	9	6	<2	19	<1	<5	<10	0.056	
858096	1780	1.81	6.5	15	19	35			1	56	25	0.5	<5	123	<5	6.40	140	<10	29	57	19	<20	<20	7	1.46	1.15	0.26	0.04	0.24	12	6	<2	51	<1	<5	<10	0.032	
858097	3032	3.22	3.6	17	14	61			1	53	22	0.6	<5	121	<5	6.35	81	<10	23	77	13	<20	<20	7	0.93	0.48	0.19	0.04	0.22	9	6	<2	21	<1	<5	<10	<.010	
858098	2139	2.38	11.8	59	31	2811			<1	43	20	12.4	<5	232	<5	9.47	51	<10	12	94	9	<20	<20	5	0.51	0.16	0.12	0.03	0.18	5	4	<2	5	<1	<5	<10	<.010	
858099	4422	4.16	12.0	94	32	5838			<1	43	19	25.1	<5	270	<5	7.89	49	<10	17	95	8	<20	<20	6	0.48	0.14	0.12	0.03	0.18	5	4	<2	4	<1	<5	<10	<.010	
858100	679		5.8	56	54	1621			<1	41	17	7.0	<5	252	<5	7.41	56	<10	15	98	8	<20	<20	5	0.49	0.12	0.14	0.03	0.18	5	4	<2	3	<1	<5	<10	<.010	
858101	848		15.7	91	51	4768			<1	37	17	22.0	<5	489	<5	>10.00	55	<10	7	101	9	<20	<20	5	0.51	0.10	0.11	0.03	0.17	5	4	<2	2	<1	<5	<10	<.010	
858102	1320	1.47	22.2	87	60	2376			<1	33	17	11.0	<5	315	<5	>10.00	115	<10	10	78	10	<20	<20	6	0.73	0.26	0.13	0.03	0.18	6	4	<2	6	<1	<5	<10	<.010	
858103	454		10.7	83	47	2144			<1	40	19	9.4	<5	366	6	>10.00	80	<10	9	89	10	<20	<20	5	0.67	0.18	0.12	0.03	0.19	6	4	<2	4	<1	<5	<10	<.010	
858104	282		8.2	111	45	4577			<1	39	17	25.0	<5	290	<5	>10.00	92	<10	8	88	10	<20	<20	5	0.65	0.19	0.13	0.03	0.18	5	4	<2	4	<1	<5	<10	<.010	
858105	198		7.3	370	39	7673			1	47	20	46.5	<5	216	<5	>10.00	290	<10	14	89	13	<20	<20	9	1.17	0.66	0.20	0.04	0.21	7	6	<2	16	<1	<5	<10	0.011	
858106	242		7.8	78	53	2287			2	51	25	11.5	<5	309	<5	>10.00	215	<10	13	94	13	<20	<20	7	1.01	0.46	0.24	0.03	0.22	6	6	<2	11	<1	<5	<10	0.053	
858107	183		3.6	143	26	9467			1	39	17	41.1	<5	183	<5	10.00	98	<10	15	116	8	<20	<20	5	0.58	0.18	0.16	0.02	0.18	4	4	<2	4	<1	<5	<10	0.011	
858108	202		5.7	252	20	>10000	1.9	1.89	<1	37	15	77.4	<5	202	<5	>10.00	119	<10	12	104	9	<20	<20	5	0.61	0.20	0.13	0.02	0.18	4	4	<2	5	<1	<5	<10	<.010	
858109	206		4.1	72	19	1478			<1	45	19	6.8	<5	194	<5	7.14	110	<10	24	109	8	<20	<20	7	0.64	0.20	0.12	0.03	0.19	5	5	<2	5	<1	<5	<10	<.010	
858110	23		0.5	7	<2	37			1	17	1	0.3	<5	19	<5	0.36	24	<10	21	89	5	<20	<20	9	0.40	0.04	0.09	0.03	0.19	5	5	<2	1	<1	<5	<10	<.010	
858111	90		3.4	10	<2	42			1	10	<1	0.3	<5	11	<5	0.26	16	<10	19	70	4	<20	<20	6	0.37	0.03	0.11	0.02	0.17	4	4	<2	<1	<1	<5	<10	<.010	
858112	120		3.2	35	6	891			<1	35	10	3.6	<5	70	<5	2.39	59	<10	23	91	7	<20	<20	5	0.57	0.15	0.14	0.03	0.20	5	4	<2	4	<1	<5	<10	<.010	
858113	156		3.2	89	11	5370			1	42	17	22.6	<5	105	<5	3.75	72	<10	21	97	8	<20	<20	7	0.59	0.17	0.13	0.03	0.20	5	5	<2	4	<1	<5	<10	<.010	
858114	119		2.2	81	7	2007			3	43	15	8.7	<5	73	<5	3.19	38	<10	22	98	7	<20	<20	7	0.49	0.08	0.15	0.03	0.20	5	5	<2	2	<1	<5	<10	<.010	
858115	66		1.6	115	5	5004			4	43	17	21.4	<5	54	<5	2.99	107	<10	22	80	7	<20	<20	6	0.73	0.29	0.14	0.03	0.19	5	4	<2	7	<1	<5	<10	<.010	
858116	74		3.5	119	7	6639			7	45	20	28.3	<5	81	<5	4.25	108	<10	20	95	8	<20	<20	4	0.68	0.27	0.14	0.03	0.18	5	4	<2	7	<1	<5	<10	<.010	
858117	110		5.8	157	8	8107			1	46	18	34.5	<5	92	<5	4.46	95	<10	21	123	8	<20	<20	6	0.63	0.20	0.15	0.02	0.18	5	4	<2	5	<1	<5	<10	<.010	



CLIENT: ECHO BAY MINES

PROJECT: 741

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SAMPLE NUMBER	ELEMENT UNITS	Zr PPM	S PCT
858088	19	2.29	
858089	14	0.39	
858090	8	2.67	
858091	9	3.40	
858092	25	0.60	
858093	4	1.10	
858094	18	0.51	
858095	12	5.95	
858096	9	5.91	
858097	11	6.20	
858098	10	9.38	
858099	13	8.10	
858100	18	7.47	
858101	18	>10.00	
858102	22	>10.00	
858103	24	>10.00	
858104	19	>10.00	
858105	19	>10.00	
858106	23	>10.00	
858107	14	>10.00	
858108	17	>10.00	
858109	16	7.39	
858110	12	0.30	
858111	12	0.21	
858112	15	2.48	
858113	15	4.09	
858114	16	3.50	
858115	12	3.26	
858116	10	4.61	
858117	11	4.90	



Intertek Testing Services
Chimitec Bondar Clegg

Rapport Lab Geochimie
Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	ZnDL PCT	Zn PCT	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Mb PPM	Sc PPM	Ta PPM	Ti PCT
858118	709		17.4	96	11	1015		<1	41	17	5.2	<5	107	<5	4.37	95	12	22	95	8	<20	<20	5	0.64	0.19	0.14	0.03	0.19	5	4	<2	5	<1	<5	<10	<.010	
858119	261		4.8	21	11	61		1	46	25	0.6	<5	153	<5	7.00	368	<10	21	109	14	<20	<20	9	1.28	0.67	0.16	0.03	0.18	6	5	<2	19	<1	<5	<10	<.010	
858120	188		4.1	27	9	60		<1	41	19	0.5	<5	95	<5	5.97	628	<10	18	90	20	<20	<20	6	1.92	1.19	0.14	0.02	0.17	6	4	<2	35	<1	<5	<10	<.010	
858121	101		3.6	6	5	72		<1	41	21	0.5	<5	75	<5	6.49	1177	<10	15	98	34	<20	<20	4	3.34	2.37	0.12	0.02	0.13	4	3	<2	71	<1	<5	<10	<.010	
858122	79		3.6	8	4	70		<1	43	24	0.4	<5	78	<5	6.12	954	<10	18	101	31	<20	<20	3	2.82	1.89	0.13	0.02	0.15	4	3	<2	54	<1	<5	<10	<.010	
858123	6		<0.2	200	<2	137		<1	53	42	0.4	<5	11	<5	8.07	1398	<10	2	84	330	<20	<20	7	3.92	2.99	1.65	0.06	<.01	12	33	5	46	18	34	<10	0.439	
858124	5		<0.2	245	7	123		<1	46	33	0.5	<5	8	<5	7.16	1326	<10	2	82	309	<20	<20	16	3.49	2.55	2.58	0.06	0.01	12	29	5	38	17	31	<10	0.364	
858125	543		6.6	28	59	18		2	18	8	0.9	<5	311	<5	2.76	125	<10	14	84	8	<20	<20	9	0.70	0.22	0.41	0.05	0.16	9	4	<2	6	<1	<5	<10	<.010	
858126	328		3.6	4	<2	48		2	14	10	<0.2	<5	<5	<5	2.41	426	<10	13	104	25	<20	<20	8	1.60	1.00	0.30	0.04	0.14	8	4	<2	15	<1	<5	<10	<.010	
858127	5		<0.2	183	<2	129		<1	50	51	0.4	<5	8	<5	7.15	1289	<10	2	73	312	<20	<20	7	3.47	2.61	3.31	0.07	<.01	17	31	3	43	17	32	<10	0.444	
858128	60		0.3	40	3	117		1	21	20	0.3	<5	17	<5	3.60	671	<10	15	101	32	<20	<20	7	2.09	1.27	0.40	0.03	0.11	12	4	<2	25	1	<5	<10	0.014	
858129	61		0.5	77	6	129		1	33	28	0.3	<5	22	<5	5.70	1104	<10	14	96	113	<20	<20	12	2.81	2.03	2.01	0.03	0.10	11	15	<2	31	6	12	<10	0.125	
858130	31		<0.2	18	4	209		<1	28	13	0.4	<5	17	<5	3.12	1154	<10	21	61	20	<20	<20	14	2.48	1.79	0.72	0.04	0.18	12	7	<2	40	<1	<5	<10	<.010	
858131	24		<0.2	52	7	674		<1	30	16	3.7	<5	21	<5	4.78	1025	<10	21	72	17	<20	<20	21	2.18	1.46	1.09	0.04	0.14	14	11	<2	33	<1	<5	<10	<.010	
858132	17		<0.2	41	4	158		<1	34	17	0.3	<5	18	<5	4.24	578	<10	23	72	15	<20	<20	3	1.84	1.03	0.73	0.05	0.13	13	4	<2	24	<1	<5	<10	<.010	
858133	<5		<0.2	20	2	172		<1	22	13	0.4	<5	<5	<5	3.53	979	<10	12	57	24	<20	<20	5	2.65	1.59	2.43	0.06	0.08	20	5	<2	39	<1	<5	<10	<.010	



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SAMPLE NUMBER	ELEMENT UNITS	Zr PPM	S PCT
858118	13	4.44	
858119	14	6.31	
858120	13	4.59	
858121	9	3.36	
858122	10	3.17	
858123	3	0.28	
858124	5	0.23	
858125	13	2.48	
858126	10	0.18	
858127	2	0.33	
858128	8	1.33	
858129	6	1.56	
858130	7	1.49	
858131	7	3.27	
858132	8	3.09	
858133	5	1.02	



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STANDARD NAME	ELEMENT UNITS	Zr PPM	\$ PCT
ANALYTICAL BLANK	<1	<0.01	
ANALYTICAL BLANK	<1	<0.01	
ANALYTICAL BLANK	-	-	
Number of Analyses	2	2	
Mean Value	<1	<0.01	
Standard Deviation	-	-	
Accepted Value	<1	<0.01	
Oxide (Feldspar & Number of Analyses	-	-	
Mean Value	-	-	
Standard Deviation	-	-	
Accepted Value	-	-	
Oxide (Feldspar & Number of Analyses	-	-	
Mean Value	-	-	
Standard Deviation	-	-	
Accepted Value	-	-	
BCC GEOCHEM STD 5	6	0.03	
Number of Analyses	1	1	
Mean Value	6	0.03	
Standard Deviation	-	-	
Accepted Value	9	-	
CANMET LAKE-SED 2	2	0.17	
Number of Analyses	1	1	
Mean Value	2	0.17	
Standard Deviation	-	-	
Accepted Value	-	-	



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STANDARD NAME	ELEMENT	Zr	S
	UNITS	PPM	PCT
Oxide (Feldspar &	-	-	-
Number of Analyses	-	-	-
Mean Value	-	-	-
Standard Deviation	-	-	-
Accepted Value	-	-	-
Oxide (Feldspar &	-	-	-
Number of Analyses	-	-	-
Mean Value	-	-	-
Standard Deviation	-	-	-
Accepted Value	-	-	-



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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Au _{ppb} G/T	Ag PPM	Cu PPM	Pb PPM	Zn PPM	ZnOL PCT	Zn PCT	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	T PCT
858097		3032	3.22	3.6	17	14	61			1	53	22	0.6	<5	121	<5	6.35	81	<10	23	77	13	<20	<20	7	0.93	0.48	0.19	0.04	0.22	9	6	<2	21	<1	<5	<10	<.010
Duplicate				3.9	17	15	63			1	54	23	0.6	<5	125	<5	6.52	83	<10	27	79	12	<20	<20	6	0.99	0.50	0.20	0.04	0.22	8	5	<2	20	<1	<5	<10	<.010
858114		119		2.2	81	7	2007			3	43	15	8.7	<5	73	<5	3.19	38	<10	22	98	7	<20	<20	7	0.49	0.08	0.15	0.03	0.20	5	5	<2	2	<1	<5	<10	<.010
Duplicate				2.2	81	7	1996			3	42	15	8.9	<5	74	<5	3.15	37	<10	21	98	6	<20	<20	6	0.47	0.08	0.14	0.02	0.19	5	5	<2	2	<1	<5	<10	<.010



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SAMPLE NUMBER	ELEMENT UNITS	Zr PPM	S PCT
858097		11	6.20
Duplicate		12	6.28
858114		16	3.50
Duplicate		16	3.43



REPORT: T00-57088.0 (COMPLETE)

REFERENCE:

CLIENT: ECHO BAY MINES

SUBMITTED BY:

PROJECT: 741

DATE RECEIVED: 15-MAR-00

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DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMB
000316	1 Au30 Gold	55	5 PPB	Fire Assay of 30g	30g Fire Assay - AA	DRILL CORE	55	-150	55	CRUSH, SPLIT PULVERIZATION	5
000316	2 Ag Silver	55	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	3 Cu Copper	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	4 Pb Lead	55	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	5 Zn Zinc	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	6 Mo Molybdenum	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	7 Ni Nickel	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	8 Co Cobalt	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	9 Cd Cadmium	55	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	10 Bi Bismuth	55	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	11 As Arsenic	55	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	12 Sb Antimony	55	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	13 Fe Iron	55	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	14 Mn Manganese	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	15 Te Tellurium	55	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	16 Ba Barium	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	17 Cr Chromium	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	18 V Vanadium	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	19 Sn Tin	55	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	20 W Tungsten	55	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	21 La Lanthanum	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	22 Al Aluminum	55	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	23 Mg Magnesium	55	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	24 Ca Calcium	55	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	25 Na Sodium	55	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	26 K Potassium	55	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	27 Sr Strontium	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	28 Y Yttrium	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	29 Ga Gallium	55	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	30 Li Lithium	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	31 Nb Niobium	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	32 Sc Scandium	55	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	33 Ta Tantalum	55	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	34 Ti Titanium	55	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	35 Zr Zirconium	55	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5
000316	36 S Sulphur	55	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						5

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CLIENT: ECHO BAY MINES
REPORT: T00-57088.0 (COMPLETE)

DATE RECEIVED: 15-MAR-00 DATE PRINTED: 22-MAR-00 PAGE 1 OF 5 PROJECT: 741

SAMPLE NUMBER	ELEMENT UNITS	Al ₂ O ₃	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Hr	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Tl	Zr	S
		PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
858231		<5	<.2	8	4	74	2	55	13	0.3	<5	<5	<5	3.71	1332	<10	28	85	16	<20	<20	7	1.46	1.44	4.62	0.03	0.21	67	4	4	9	<1	<5	<10	<.010	7	0.06
858232		8	<.2	9	3	61	1	47	12	0.2	<5	<5	<5	3.08	1065	<10	31	86	16	<20	<20	8	1.36	1.35	3.89	0.03	0.22	56	4	4	9	<1	<5	<10	<.010	8	0.06
858233		42	<.2	27	4	104	2	30	13	0.3	<5	<5	<5	2.97	669	<10	54	71	19	<20	<20	7	1.81	1.14	2.84	0.03	0.24	45	3	5	16	<1	<5	<10	<.010	6	0.13
858234		68	<.2	15	6	210	2	34	13	0.3	<5	<5	<5	2.68	617	<10	32	61	16	<20	<20	4	1.73	1.16	3.30	0.04	0.20	52	3	5	17	<1	<5	<10	<.010	6	0.27
858235		19	<.2	14	6	224	1	26	11	0.3	<5	<5	<5	3.17	730	<10	36	65	17	<20	<20	4	1.95	1.24	3.36	0.03	0.19	52	3	5	20	<1	<5	<10	<.010	7	0.34
858236		304	0.2	36	11	205	2	30	14	0.4	<5	9	<5	3.17	797	<10	28	56	15	<20	<20	3	1.66	1.04	4.48	0.04	0.20	63	3	5	16	<1	<5	<10	<.010	8	1.08
858237		23	<.2	8	5	81	1	30	13	0.3	<5	10	<5	2.68	702	<10	23	59	12	<20	<20	3	1.39	0.99	4.33	0.04	0.18	54	3	4	13	<1	<5	<10	<.010	6	0.92
858238		22	<.2	14	5	91	2	36	13	0.3	<5	8	<5	2.57	1038	<10	22	63	10	<20	<20	3	1.16	1.06	5.70	0.04	0.23	61	4	3	9	<1	<5	<10	<.010	9	1.11
858239		24	<.2	13	8	73	1	34	14	0.3	<5	16	<5	4.10	631	<10	28	63	12	<20	<20	3	1.35	0.94	4.15	0.05	0.22	47	4	4	12	<1	<5	<10	<.010	11	2.77
858240		<5	<.2	10	4	102	1	28	11	0.2	<5	5	<5	3.74	768	<10	26	56	18	<20	<20	3	1.97	1.16	3.99	0.04	0.18	48	3	6	19	<1	<5	<10	<.010	7	0.92
858241		8	<.2	10	4	79	1	27	12	0.2	<5	6	<5	3.48	757	<10	25	69	15	<20	<20	3	1.57	0.91	4.61	0.06	0.19	53	4	5	15	<1	<5	<10	<.010	9	1.49
858242		9	<.2	10	5	72	1	26	12	0.2	<5	8	<5	3.59	1087	<10	24	62	11	<20	<20	3	1.25	1.00	4.79	0.06	0.18	53	3	3	10	<1	<5	<10	<.010	9	1.85
858243		10	0.2	88	4	108	1	28	12	0.3	<5	5	<5	3.50	764	<10	21	55	21	<20	<20	3	2.07	1.16	4.23	0.09	0.10	49	3	6	19	<1	<5	<10	<.010	8	0.53
858244		18	0.3	13	5	131	4	32	13	0.3	<5	<5	<5	3.70	979	<10	22	66	21	<20	<20	2	1.96	1.28	4.68	0.08	0.11	50	3	6	17	<1	<5	<10	<.010	10	1.44
858245		<5	<.2	13	3	89	2	27	11	0.3	<5	<5	<5	3.33	756	<10	19	57	21	<20	<20	3	2.09	1.26	4.10	0.09	0.10	43	3	7	18	<1	<5	<10	<.010	9	0.64
858246		6	<.2	14	4	103	1	32	13	0.3	<5	<5	<5	3.64	876	<10	20	71	23	<20	<20	3	2.35	1.49	4.20	0.08	0.09	44	3	7	20	<1	<5	<10	<.010	9	0.53
858247		8	<.2	14	5	151	1	30	12	0.5	<5	<5	<5	3.55	1134	<10	17	65	23	<20	<20	2	2.23	1.48	4.94	0.09	0.10	55	3	6	19	<1	<5	<10	<.010	10	0.82
858248		17	<.2	16	5	116	2	32	12	0.4	<5	<5	<5	3.45	810	<10	17	63	23	<20	<20	2	1.94	1.30	3.89	0.08	0.09	46	3	6	16	<1	<5	<10	<.010	11	1.14
858249		5	<.2	11	4	77	1	33	13	0.3	<5	<5	<5	3.66	681	<10	16	66	32	<20	<20	4	2.50	1.54	3.90	0.08	0.09	44	3	8	22	<1	<5	<10	<.010	7	0.18
858250		18	<.2	27	5	97	2	31	13	0.4	<5	<5	<5	3.76	1032	<10	17	64	25	<20	<20	3	2.26	1.55	4.31	0.08	0.09	48	3	7	18	<1	<5	<10	<.010	8	0.76
858251		<5	<.2	11	3	71	<1	29	10	0.3	<5	<5	<5	3.39	904	<10	17	56	24	<20	<20	4	2.31	1.42	4.37	0.08	0.09	48	3	7	19	<1	<5	<10	<.010	6	0.18
858252		15	<.2	19	5	122	1	31	11	0.3	<5	<5	<5	3.41	1002	<10	14	58	23	<20	<20	4	2.24	1.63	4.01	0.08	0.08	47	2	7	19	<1	<5	<10	<.010	8	0.45
858253		<5	<.2	15	3	65	2	31	11	0.3	<5	<5	<5	3.18	715	<10	18	56	25	<20	<20	5	2.32	1.51	3.77	0.09	0.09	43	3	7	19	<1	<5	<10	<.010	8	0.21
858254		6	<.2	11	4	90	1	31	12	0.3	<5	<5	<5	3.57	812	<10	15	62	24	<20	<20	3	2.13	1.58	3.41	0.08	0.08	39	2	6	17	<1	<5	<10	<.010	9	0.92
858255		<5	<.2	21	11	107	1	28	14	0.4	<5	<5	<5	3.78	982	<10	14	51	27	<20	<20	3	2.15	1.69	4.35	0.08	0.07	43	3	6	18	<1	<5	<10	<.010	8	0.95
858256		<5	<.2	16	4	85	2	28	11	0.3	<5	<5	<5	3.41	728	<10	16	61	22	<20	<20	3	1.90	1.26	4.92	0.09	0.07	54	3	6	16	<1	<5	<10	<.010	9	1.09
858257		<5	<.2	19	4	158	1	30	12	0.4	<5	6	<5	3.72	839	<10	20	61	21	<20	<20	3	2.05	1.70	3.71	0.08	0.06	43	2	6	17	<1	<5	<10	<.010	7	1.24
858258		7	<.2	14	5	289	2	31	12	0.5	<5	<5	<5	3.73	1078	<10	20	68	19	<20	<20	3	1.86	1.56	4.02	0.08	0.08	42	3	6	15	<1	<5	<10	<.010	9	1.48
858259		7	<.2	10	4	308	1	29	11	0.4	<5	5	<5	3.62	968	<10	25	62	21	<20	<20	3	2.09	1.44	4.61	0.08	0.09	46	3	6	17	<1	<5	<10	<.010	9	0.92
858260		<5	<.2	21	4	86	2	38	15	0.3	<5	<5	<5	4.32	754	<10	13	103	39	<20	<20	3	2.74	1.92	3.77	0.07	0.05	37	3	8	24	<1	<5	<10	<.010	7	0.87



CLIENT: ECHO BAY MINES

PROJECT: 741

REPORT: T00-57088.0 (COMPLETE)

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SAMPLE NUMBER	ELEMENT UNITS	Au	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Tl	Zr	S
		PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT	
858261		126	0.8	21	4	99	2	38	15	0.3	<5	5	<5	4.08	777	<10	11	95	31	<20	<20	3	2.41	2.35	2.87	0.07	0.05	30	3	7	19	<1	<5	<10	<.010	7	1.18
858262		71	0.4	37	5	111	3	40	14	0.3	<5	<5	<5	3.92	759	<10	11	109	30	<20	<20	3	2.35	2.24	3.15	0.07	0.06	30	3	6	19	<1	<5	<10	<.010	9	0.95
858263		9	<.2	16	4	114	1	29	13	0.3	<5	6	<5	3.66	846	<10	13	65	22	<20	<20	4	2.31	2.00	3.27	0.07	0.07	27	3	6	19	<1	<5	<10	<.010	7	0.68
858264		11	<.2	13	3	82	1	46	14	0.3	<5	<5	<5	3.81	851	<10	19	95	30	<20	<20	3	2.51	1.75	4.64	0.06	0.09	40	3	7	20	<1	<5	<10	<.010	4	0.31
858265		22	<.2	30	4	74	2	35	14	0.2	<5	<5	<5	4.10	772	<10	21	92	29	<20	<20	3	2.43	1.60	4.65	0.07	0.09	40	3	7	19	<1	<5	<10	<.010	3	0.70
858266		6	<.2	33	4	87	2	55	14	0.3	<5	<5	<5	3.89	618	<10	20	128	28	<20	<20	3	2.29	2.39	3.54	0.06	0.08	42	3	6	18	<1	<5	<10	<.010	10	2.20
858267		5	<.2	11	4	77	2	66	15	0.3	<5	<5	<5	3.59	518	<10	18	116	17	<20	<20	2	1.56	1.96	3.63	0.08	0.07	42	3	5	12	<1	<5	<10	<.010	11	2.59
858268		7	<.2	13	4	64	2	69	15	0.2	<5	<5	<5	3.82	454	<10	16	136	17	<20	<20	2	1.41	2.04	2.78	0.08	0.06	32	3	5	10	<1	<5	<10	<.010	10	2.94
858269		10	<.2	14	4	89	2	82	16	0.4	<5	<5	<5	3.61	456	<10	28	139	18	<20	<20	2	1.61	2.28	2.79	0.08	0.06	35	3	5	12	<1	<5	<10	<.010	7	2.33
858270		9	<.2	15	3	189	2	53	13	0.4	<5	6	<5	3.45	732	<10	13	96	25	<20	<20	4	2.62	2.11	4.01	0.06	0.06	38	3	7	21	<1	<5	<10	<.010	5	0.57
858271		18	<.2	24	4	156	2	67	15	0.4	<5	5	<5	3.53	885	<10	20	102	23	<20	<20	4	2.29	2.16	3.91	0.06	0.07	40	3	6	17	<1	<5	<10	<.010	7	0.69
858272		<5	<.2	19	4	100	1	49	13	0.3	<5	<5	<5	3.77	627	<10	24	102	24	<20	<20	4	2.60	2.17	3.05	0.06	0.09	34	3	7	19	<1	<5	<10	<.010	6	0.72
858273		43	<.2	12	5	141	2	61	15	0.3	<5	6	<5	4.43	657	<10	9	124	33	<20	<20	4	2.97	2.18	2.99	0.07	0.04	38	2	8	22	<1	<5	<10	<.010	6	0.76
858274		5	<.2	17	6	120	2	59	14	0.3	<5	<5	<5	3.99	740	<10	9	124	32	<20	<20	5	2.89	2.18	3.44	0.08	0.04	40	2	8	21	<1	<5	<10	<.010	5	0.32
858275		10	<.2	27	7	96	1	58	14	0.4	<5	<5	<5	3.96	637	<10	15	138	33	<20	<20	4	2.85	2.13	3.53	0.07	0.05	40	3	8	22	<1	<5	<10	<.010	6	0.72
858276		10	<.2	30	4	92	2	67	15	0.3	<5	<5	<5	4.59	477	<10	12	154	35	<20	<20	4	3.11	2.44	2.18	0.07	0.03	30	3	9	22	<1	<5	<10	<.010	10	1.13
858277		5	<.2	54	5	88	1	63	15	0.3	<5	6	<5	4.50	475	<10	8	137	40	<20	<20	4	3.23	2.51	2.50	0.06	0.03	32	3	9	24	<1	<5	<10	<.010	8	0.90
858278		7	<.2	58	6	114	<1	66	14	0.4	<5	<5	<5	4.16	480	<10	8	132	38	<20	<20	4	3.09	2.39	2.38	0.06	0.03	30	3	9	23	<1	<5	<10	<.010	6	0.66
858279		<5	<.2	12	3	130	1	43	14	<.2	<5	<5	<5	2.73	896	<10	31	101	20	<20	<20	7	1.44	1.09	4.30	0.03	0.21	61	4	5	9	<1	<5	<10	<.010	7	0.09
858280		<5	<.2	13	5	92	1	58	14	0.2	<5	<5	<5	3.88	1269	<10	27	84	22	<20	<20	6	1.80	1.40	4.35	0.03	0.17	57	4	6	11	<1	<5	<10	<.010	6	0.20
858281		21	<.2	7	6	85	1	54	16	0.3	<5	<5	<5	3.56	1207	<10	36	89	22	<20	<20	5	1.75	1.11	4.29	0.03	0.19	63	4	6	11	<1	<5	<10	<.010	9	0.45
858282		11	<.2	7	5	111	3	47	16	0.2	<5	<5	<5	3.52	1336	<10	29	93	26	<20	<20	6	1.65	1.19	4.53	0.04	0.16	65	3	6	10	<1	<5	<10	<.010	9	0.47
858283		<5	<.2	4	5	91	1	51	12	0.2	<5	<5	<5	3.08	1071	<10	30	106	20	<20	<20	7	1.74	1.37	3.46	0.03	0.19	35	3	5	12	<1	<5	<10	<.010	7	0.12
858284		<5	<.2	3	2	91	1	60	12	0.2	<5	<5	<5	3.45	1349	<10	29	84	21	<20	<20	8	1.82	1.77	4.08	0.03	0.18	49	4	5	12	<1	<5	<10	<.010	7	0.04
858285		<5	<.2	4	3	83	1	52	12	0.2	<5	<5	<5	3.25	1470	<10	29	90	21	<20	<20	8	1.73	1.81	4.31	0.03	0.19	54	4	5	11	<1	<5	<10	<.010	6	0.08



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STANDARD NAME	ELEMENT UNITS	Al ₂ O ₃ PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT	
BCC GEOCHEM STD 5		- 0.6	99	10	83	1	39	21	0.4	<5	8	<5	4.80	738	<10	172	60	129	<20	<20	7	3.33	1.68	1.09	0.05	0.31	38	7	<2	20	8	10	<10	0.173	10	0.03		
Number of Analyses		- 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		- 0.6	99	10	83	1	39	21	0.4	3	8	3	4.80	738	5	172	60	129	10	10	7	3.33	1.68	1.09	0.05	0.31	38	7	1	20	8	10	5	0.173	10	0.03		
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		- 0.7	95	11	80	2	40	18	0.1	1	8	1	4.74	720	<1	200	54	133	4	1	5	3.09	1.83	1.08	0.06	0.32	39	9	-	-	1	18	1	-	9	-		



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SAMPLE NUMBER	ELEMENT UNITS	Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
		PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
858239		24	<.2	13	8	73	1	34	14	0.3	<5	16	<5	4.10	631	<10	28	63	12	<20	<20	3	1.35	0.94	4.15	0.05	0.22	47	4	4	12	<1	<5	<10	<.010	11	2.77
Duplicate			<.2	13	7	73	1	33	14	0.2	<5	16	<5	3.99	627	<10	26	62	11	<20	<20	3	1.31	0.94	4.14	0.05	0.21	47	3	4	12	<1	<5	<10	<.010	10	2.72
858256		<5	<.2	16	4	85	2	28	11	0.3	<5	<5	<5	3.41	728	<10	16	61	22	<20	<20	3	1.90	1.26	4.92	0.09	0.07	54	3	6	16	<1	<5	<10	<.010	9	1.09
Duplicate			<.2	18	5	85	1	28	11	0.3	<5	<5	<5	3.36	722	<10	15	62	20	<20	<20	3	1.87	1.24	4.84	0.09	0.07	53	3	5	16	<1	<5	<10	<.010	8	1.06
858276		10	<.2	30	4	92	2	67	15	0.3	<5	<5	<5	4.59	477	<10	12	154	35	<20	<20	4	3.11	2.44	2.18	0.07	0.03	30	3	9	22	<1	<5	<10	<.010	10	1.13
Duplicate			<.2	30	5	88	2	65	15	0.3	<5	<5	<5	4.50	471	<10	11	148	34	<20	<20	4	3.00	2.41	2.11	0.07	0.03	28	2	8	22	<1	<5	<10	<.010	8	1.09



Subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this report work and correspond with the mining land holder. Questions about this collection and Mining, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

42A07NE2015 2.20423 CURRIE

900

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

2.20423

1. Recorded holder(s) (Attach a list if necessary)

Name <i>FALCONBRIDGE LIMITED</i>	Client Number <i>130679</i>
Address <i>Suite 1200, 95 Wellington St, West Toronto, ON. M5J-2V6</i>	Telephone Number <i>416-956-5700</i>
	Fax Number <i>416-956-5757</i>
Name	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

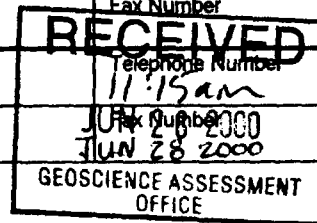
Geotechnical: prospecting, surveys, assays and work under section 18 (regs) Physical: drilling stripping, trenching and associated assays Rehabilitation

Work Type <i>Diamond Drilling, core assays</i>	Office Use
	Commodity
	Total \$ Value of Work Claimed <i>96,500</i>
Dates Work Performed From <i>5</i> <i>2</i> <i>2000</i> To <i>5</i> <i>3</i> <i>2000</i> <small>Day Month Year Day Month Year</small>	NTS Reference
Global Positioning System Data (if available)	Mining Division <i>Harder Lake</i>
Township/Area <i>Currie</i>	Resident Geologist District <i>Kirkland Lake</i>
M or G-Plan Number <i>M 341</i>	

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name <i>PAUL DEGAGNE - Echo Bay Mines Ltd.</i>	Telephone Number <i>705-363-2366</i>
Address <i>P.O. Box 551, Timmins, ON. P4N-7E7</i>	Fax Number <i>705-363-2222</i>
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number



4. Certification by Recorded Holder or Agent

I, PAUL DEGAGNE - Echo Bay Mines, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>[Signature]</i>	Date <i>June 27/2000</i>
Agent's Address <i>Box 551, Timmins, ON P4N-7E7</i>	Telephone Number <i>705-363-2366</i>
	Fax Number <i>705-363-2222</i>

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

00080.00872

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
1 838336	1		800		
2 838337	1		800		
3 838338	1		800		
4 838339	1		800		
5 866721	1		800		
6 866724	1		800		
7 1193536 •	2	14,090.00	1,600 ⁰⁰	4800	7690.00
8 1193806	4		1,600 ⁰⁰		
9 1198869 •	12	69,333.10	9,600	12,800	46,933.10
10 1201083	16		12,800		
11 1201248 •	4 12	13,077	9,600	1,600 ⁰⁰	1,877.00
12 1201256	4				
13 1201418	4				
14 1201418	4				
15 1201418	4				
Column Totals		96,500.10	40,000	19,200	56,500.10

I, Paul DeGagne, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing

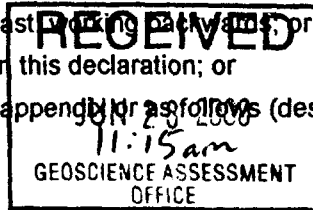
Date June 27 / 2000

2.20423

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last in this declaration; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix as follows (describe):



Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)		

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Drilling (contractor costs)	1652 metres	48.60	80,287.20
Core splitting	119 hours 119 hours	15.60	1856.40
Au Assays	11 samples	9.50	104.50
Au + 34 element ICP Assays	272 samples	16.00	4352.00
core logging/supervision	30 days	300.00	9000.00
report writing	3 days	300.00	900.00
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			
Total Value of Assessment Work			96,500.1

Calculations of Filing Discounts:

2.20423

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note:

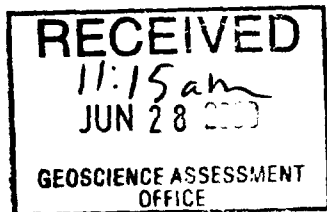
- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, Paul DeGagne (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as Project Geologist - Echo Bay Mine I am authorized to make this certification.
(recorded holder, agent, or state company position with signing authority)
 - agent for Falconbridge Ltd.

0212 (03/97)



Signature <i>Paul DeGagne</i>	Date June 27/2000
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Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9845
Fax: (877) 670-1555

August 14, 2000

FALCONBRIDGE LIMITED
SUITE 1200, 95 WELLINGTON STREET WEST
TORONTO, ONTARIO
M5J-2V4

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.20423

Status

Subject: Transaction Number(s): W0080.00272 Approval


We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact JIM MCAULEY by e-mail at james.mcauley@ndm.gov.on.ca or by telephone at (705) 670-5880.

Yours sincerely,



ORIGINAL SIGNED BY
Steve B. Beneteau
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.20423

Date Correspondence Sent: August 14, 2000

Assessor: JIM MCAULEY

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0080.00272	1193536	CURRIE	Approval	August 11, 2000

Section:

16 Drilling PDRILL

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

Correspondence to:

Resident Geologist
Kirkland Lake, ON

Recorded Holder(s) and/or Agent(s):

Paul DeGagne
TIMMINS, ON, CAN

Assessment Files Library
Sudbury, ON

FALCONBRIDGE LIMITED
TORONTO, ONTARIO

Taylor Twp.

THE TOWNSHIP OF

CURRIE

DISTRICT OF COCHRANE

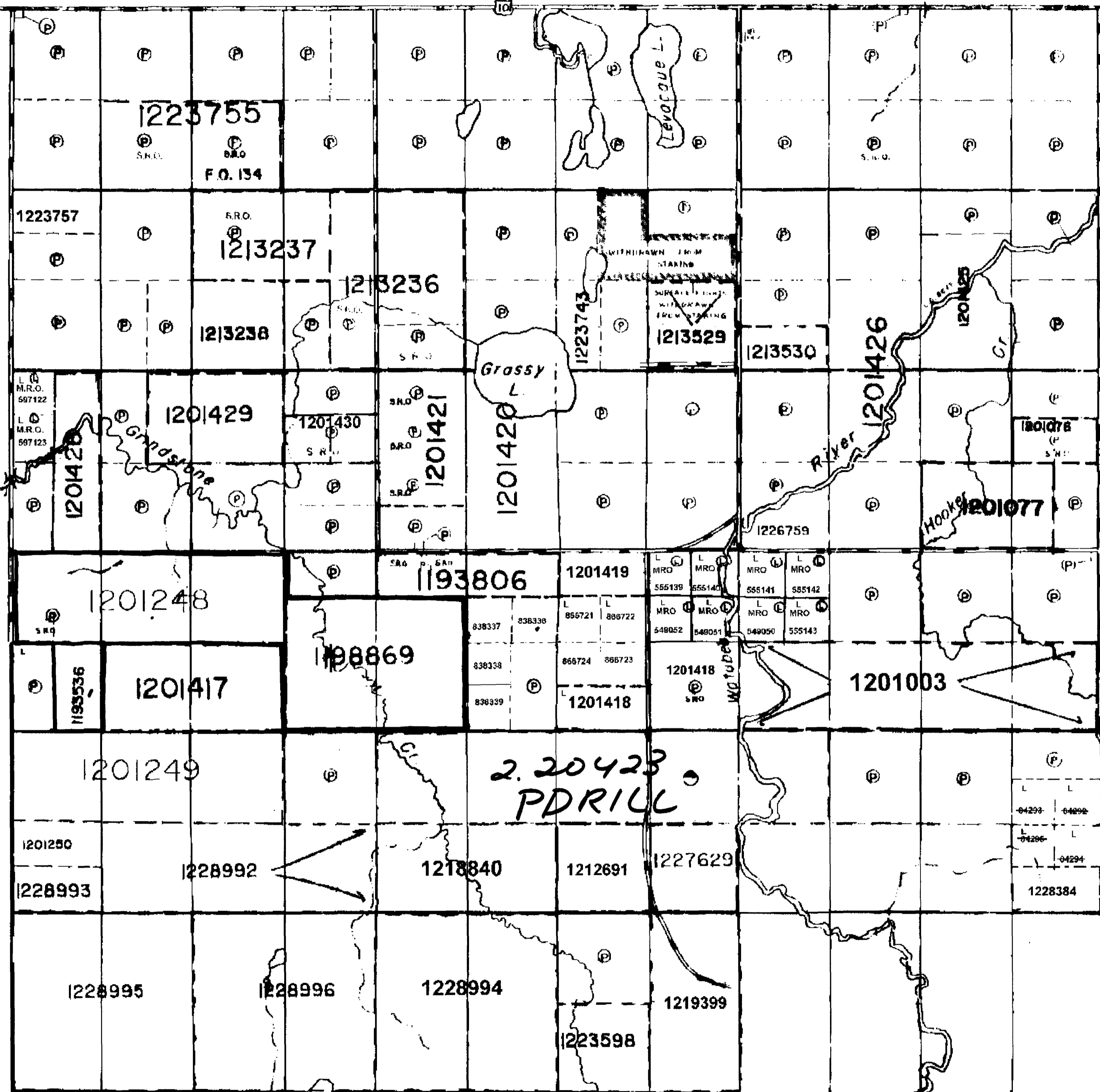
LARDER LAKE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

Bond Twp.

VI
V
IV
III
II
I

Bowman Twp.



LEGEND

- PATENTED FOR S.R.O. PATENTED LAND
- CROWN LAND SALE LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEL
- MINES
- EXPLORATORY LICENSE OF OCCUPATION

NOTES

1.0 2672 Flooding rights to 820' a.s.l. contour
 'Filed Data' application to correct co-stakings of these claims under consideration

AREA MARKED THIS (plus 11-93 21-92) WITHDRAWN FROM STAKING UNDER SEC 59(1) OF MINING ACT

400' Surface rights reservation around all lakes and rivers.

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

Drawn from staking under Section Mining Act (1950-1970)
 File Date Disposition

PLAN NO.- M.341 // 22.

ONTARIO
MINISTRY OF NATURAL RESOURCES

COPY OF THIS MYLAR ARCHIVED SEPT. 21/93

