

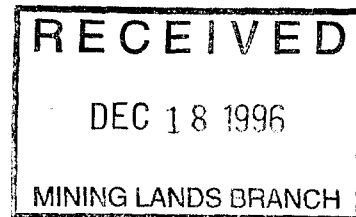
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BATTLE MOUNTAIN CANADA INC.

WORK REPORT

VALLEY PROPERTY

N.T.S. 42 C/13



42C13SW0171 2.16950 WABIKOBA LAKE

010

Thunder Bay
Mining Division

DEC 10 1996

RECEIVED

Local # 2.14731

Project No. 407
Hemlo, Ontario
October 21, 1996

Andrew Tims
Exploration Geologist
Eastern Canada

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1.0 INTRODUCTION

During the period of August 2 to September 20, 1996, a soil ¹⁷⁵sampling and prospecting program was conducted on the Valley property. Sampling totalled ~~179~~ C horizon soil samples over three separated magnetic highs (Area 1, 2 & 3) covering a total of 10.1 line kilometres. Prospecting was carried out at the same time with a total of 5 samples taken for Au assay..

The results of the field work follow.

2.0 LOCATION AND ACCESS (Figure 1)

The Valley property is situated in the north-central part of the Hemlo belt, centred approximately 8 kilometres north-north-west of Hemlo and 30 kilometres east-north-east of the town of Marathon.

The north-central part of the property, where a previous drilling program was conducted, can be accessed by travelling 30 kilometres to the end of the Swede road, which turns off Highway 614 approximately 20 kilometres north of Highway 17. The north-eastern part of the property can be accessed via the Pinegrove Lake road, while helicopter access is required for areas in the south-western part of the property.

3.0 PROPERTY DESCRIPTION (Figure 2)

Thirty four (34) unpatented contiguous mining claims totalling 361 claim units (listed below) comprise the Valley property. The majority of the claims are located in the Wabikoba Lake Area (G-620), with the remainder in the Lorna Lake (G-598) and Rous Lake (G-611) areas, all within the Thunder Bay Mining District.

The property is 100% owned by Hemlo Gold Mines Inc.

CLAIM NUMBERS	# of units
TB 1144292	6
TB 1162516	13
TB 1162520	6
TB 1183037	6
TB 1183170	6
TB 1183175, 1183175	11
TB 1183309	4
TB 1195260, 1195261	9
TB 1202154 - 1202173 (inclusive)	257
TB 1124640, 1124641	13
TB 1124920, 1124921	30

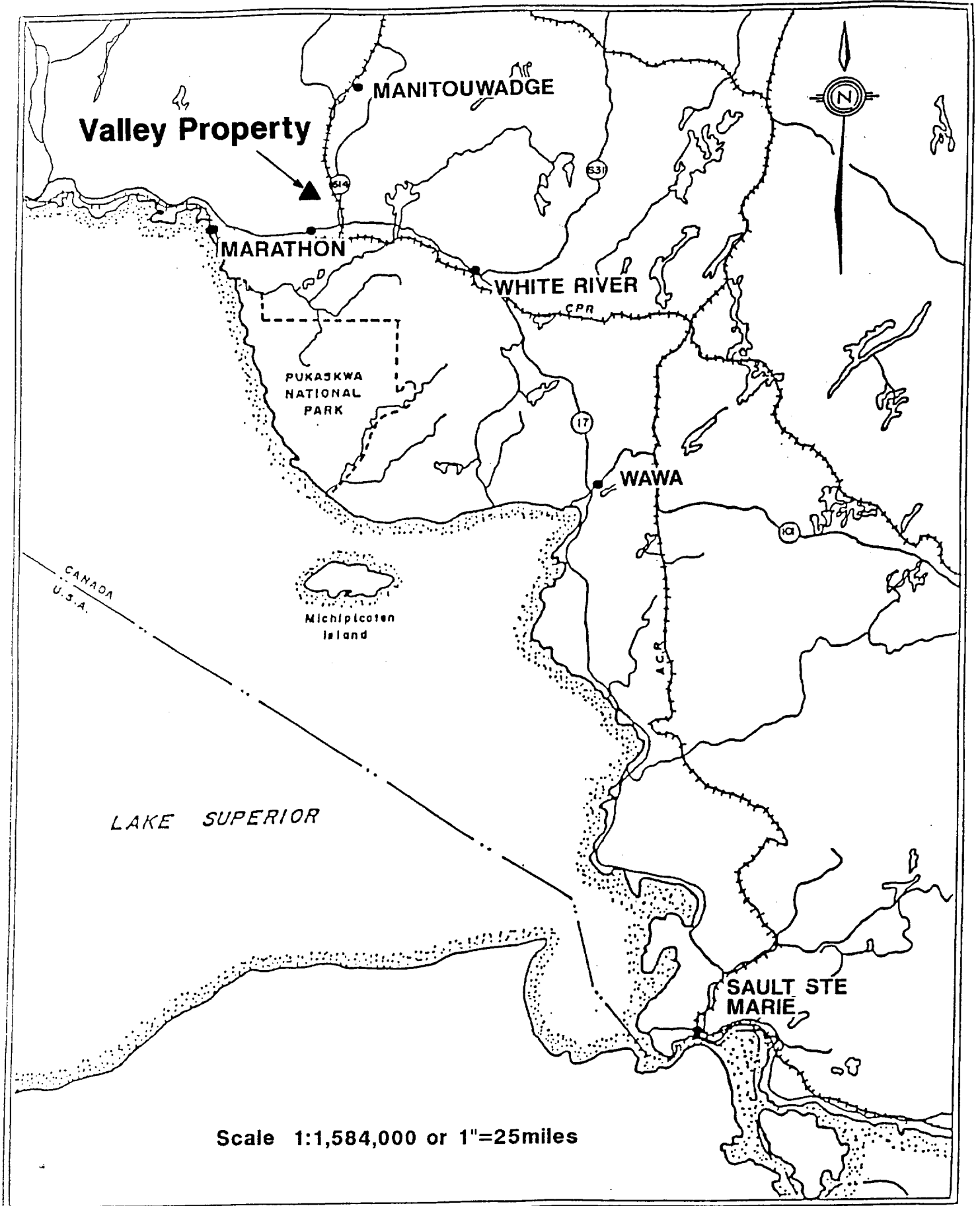


Figure 1. Location Map

4.0 GEOLOGICAL SETTING

The Valley property is located within the Archean Schreiber-Hemlo greenstone Belt which is part of the Abitibi-Wawa-Shebandowan Subprovince of the Superior Province. The area contains a north-east trending sequence of clastic sediments consisting of biotitic gneissic wackes with interbeds of conglomerate, plus subordinate amphibolitic mafic volcanics and minor felsic pyroclastic rocks and/or coarse grained siliceous sediments, bounded to the north by the Gowan Lake Pluton, and to the south-east by the Cedar Lake Pluton, both hornblende-biotite granodiorites with quartz monzonite.

A lead-zinc occurrence (Kusins Occurrence) is present approximately 3.0 kilometres along strike to the south west of the area one . It consists of a pyritic silicified zone in mafic volcanics, up to 2.0 meters wide, with local disseminations of sphalerite and galena. Other occurrences of copper-nickel and copper-lead-zinc are present in the Lunny Lake and Dotted Lake areas to the north-east.

5.0 PREVIOUS WORK

There is no known record of any previous work in the immediate area of the current work program. To the north-east, various companies have worked several areas including McIntyre-Porcupine Mines (1962-63), Caravelle Mines (1964-65), Falconbridge Nickel (1966), Noranda Exploration (1976, 1987-89), Pryme Energy (1982), Qued Resources (1983), Norman Resources (1983), Baylore Resources (1983), Kelly-Kerr Energy Corp. (1986-88), Fowler and Schuman (1991), Newmont Exploration (1992) and Hemlo Gold Mines (1994-95). The earlier work was solely base metal exploration while the more recent (post 1980) programs concentrated on exploration for gold.

6.0 SURVEY METHOD

Soil sampling was completed at 50 metre intervals on 200 m spaced lines. The traverse lines were completed by pace and compass. The rusty red 'C' horizon 4-14 cm below the surface was the preferred sample medium. When 'C' horizon was unavailable, the tan to light grey 'B' horizon was taken. A 3-5 lb sample was taken, with a garden spade, stuffed into a kraft paper bag and placed on a rope to keep in numerical order. The samples were air dried and the sent to Chemex Labs Ltd. in Thunder Bay for Au analysis of the -80 mesh portion, by fire assay and atomic absorption finish plus Ag, As, Bi, Cd, Hg, Mo, Pb, Sb, and Zn by ICP-AES. The assay certificates are located in **Appendix I**, with the results presented on maps A to E in **Appendix III**.

Prospecting involved hand striping and assay sampling for gold of any outcrops encountered while traversing. The analysis for the gold assay involved the same procedure as described above for the soil.

7.0 DISCUSSION

The geochemical results were statistically evaluated in **Appendix II**. An anomalous result was two standard deviations above the mean. The only exception being molybdenum were a result over one standard deviation was considered anomalous. Area one, south of Petrant Lake, did not produce any anomalous geochemical results. Area two, east of the Black River produced numerous multi-element anomalies within a large irregular arsenic +/- cadmium

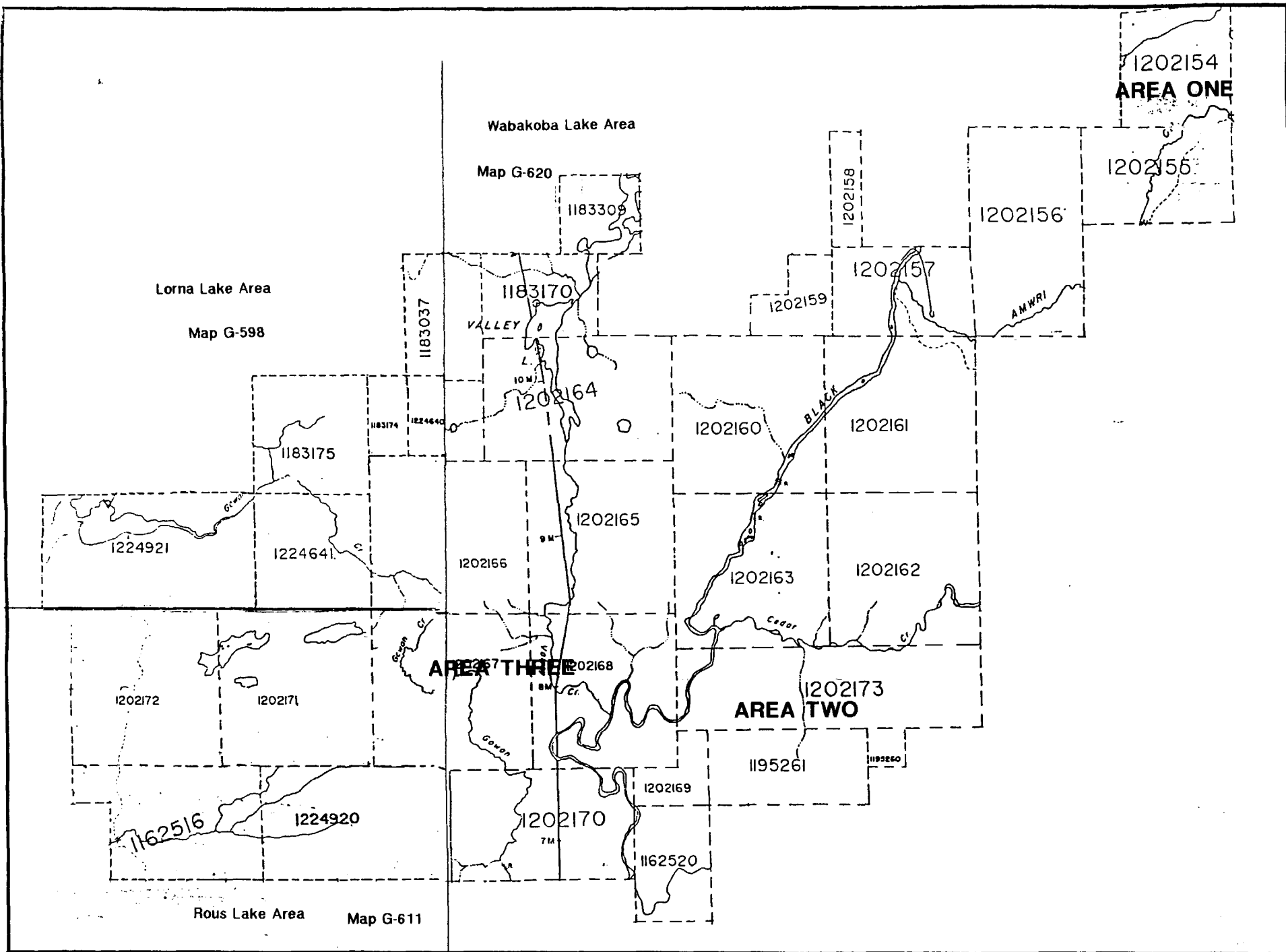


Figure 2. Claim Map of the Valley Property

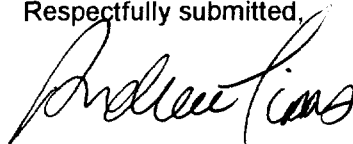
anomaly 600 m in diameter. Area three, west of the Black River, yielded only single element anomalies and is poorly defined due to limited sampling. The table below summarizes the anomalous multi-element samples:

Sample Number	Elements
VS0074	Cd, Pb
VS0076	As, Cd
VS0105	Zn, Mo
VS0112	Cd, Cu, Pb, Zn, Hg
VS0115	Sb, As
VS0117	As, Hg
VS0124	As, Cd, Cu, Pb, Hg
VS0129	As, Cd
VS0142	As, Bi, Cu, Hg, Mo
VS0146	As, Mo

8.0 CONCLUSIONS AND RECOMMENDATIONS

While no gold values were obtained in the survey and prospecting, the anomalous pathfinder elements in Area Two may represent the geochemical expression of a buried sulphide body which may be auriferous. Previous drilling on properties adjacent to the Black River indicate an average overburden thickness in excess of 50 m. Followup soil sampling and prospecting, on a grid, utilizing 100 m spaced lines should be undertaken to further delineate and expand the arsenic rich anomaly of Area Two. The sampling should be accompanied by a detailed magnetic survey with the goal of identifying targets for an overburden drilling program.

Respectfully submitted,

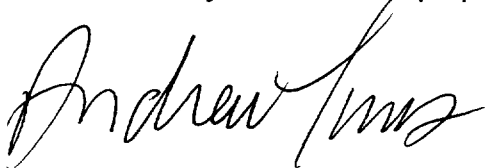


Battle Mountain Canada Inc.

STATEMENT OF QUALIFICATIONS

I, Andrew A. B. Tims, of Timmins, Ontario hereby certify that:

1. I graduated from Carleton University, in Ottawa, with a Bachelor of Science Degree in Geology (1989).
2. I am a geologist employed in the past by Barrick Gold Corp., Falconbridge Ltd., Exploration, Minnova Inc. and the Ontario Geological Survey.
3. I possess a valid prospector's license and have been practicing my profession for the past 8 years and have been actively involved in mineral exploration for the past 10 years.
4. I have successfully completed OPAP grants OP91-84 & OP92-257.
5. I do not hold any interest in the property described in this report.

A handwritten signature in black ink that reads "Andrew Tims". The signature is written in a cursive style with a large initial 'A' and a long, sweeping underline.

APPENDIX I
Assay Certificates



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: BATTLE MOUNTAIN CANADA LTD.

P.O. BOX 100
MANITOUWADGE, ON
P0T 1C0

A9629875

Comments: ATTN: COLIN MACKENZIE

CC: WAYNE REID

CERTIFICATE

A9629875

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Project: 407
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 6-SEP-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	68	Dry, sieve to -80 mesh
3296	68	Ultra trace digestion

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	68	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
1941	68	Ag ppm: Ultra trace package	EXT-ICP	0.02	200
1092	68	As ppm: Ultra trace package	EXT-ICP	0.2	5000
1094	68	Bi ppm: Ultra trace package	EXT-ICP	0.2	5000
1095	68	Cd ppm: Ultra trace package	EXT-ICP	0.1	1000
1097	68	Cu ppm: Ultra trace package	EXT-ICP	0.2	5000
20	68	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
1939	68	Mo ppm: Ultra trace package	EXT-ICP	0.2	5000
1933	68	Pb ppm: Ultra trace package	EXT-ICP	0.5	5000
1089	68	Sb ppm: Ultra trace package	EXT-ICP	0.2	1000
1946	68	Zn ppm: Ultra trace package	EXT-ICP	1	5000



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CERTIFICATE OF ANALYSIS A9629875

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cd ppm	Cu ppm	Hg ppb	Mo ppm	Pb ppm	Sb ppm	Zn ppm			
VS0001	2013296	< 5	0.10	1.2	0.2	< 0.1	3.0	60	0.4	6.5	< 0.2	9			
VS0002	2013296	< 5	0.12	0.6	< 0.2	< 0.1	9.2	30	0.4	5.5	< 0.2	25			
VS0003	2013296	< 5	0.10	1.4	< 0.2	0.1	5.2	60	0.4	5.5	< 0.2	30			
VS0005	2013296	< 5	0.02	< 0.2	< 0.2	< 0.1	6.0	10	0.2	3.5	< 0.2	22			
VS0006	2013296	< 5	0.04	< 0.2	< 0.2	< 0.1	4.4	10	< 0.2	3.5	< 0.2	25			
VS0007	2013296	< 5	0.08	< 0.2	< 0.2	< 0.1	5.6	10	0.4	5.0	< 0.2	33			
VS0008	2013296	< 5	0.04	< 0.2	< 0.2	< 0.1	5.6	10	0.2	3.0	< 0.2	16			
VS0009	2013296	< 5	0.02	0.4	< 0.2	< 0.1	6.6	30	0.2	2.5	< 0.2	15			
VS0010	2013296	< 5	0.04	0.6	< 0.2	< 0.1	3.2	20	1.0	5.0	< 0.2	17			
VS0011	2013296	< 5	0.08	0.2	< 0.2	< 0.1	6.4	50	0.2	5.0	< 0.2	17			
VS0012	2013296	< 5	0.12	< 0.2	< 0.2	< 0.1	3.6	40	0.4	6.0	< 0.2	11			
VS0013	2013296	< 5	0.02	< 0.2	0.2	< 0.1	12.0	20	0.2	2.0	< 0.2	32			
VS0014	2013296	< 5	0.06	< 0.2	< 0.2	< 0.1	2.0	20	0.2	3.5	< 0.2	9			
VS0015	2013296	< 5	0.04	< 0.2	< 0.2	< 0.1	1.8	< 10	0.2	4.5	< 0.2	10			
VS0016	2013296	< 5	0.08	< 0.2	< 0.2	< 0.1	5.8	40	0.6	5.5	< 0.2	41			
VS0018	2013296	< 5	0.06	0.6	< 0.2	< 0.1	11.6	40	0.6	5.0	< 0.2	29			
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VS0024	2013296	< 5	0.06	0.2	< 0.2	< 0.1	11.6	20	0.4	4.5	< 0.2	26			
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VS0042	2013296	< 5	0.12	0.8	< 0.2	< 0.1	2.2	40	0.6	6.5	< 0.2	10			

CERTIFICATION: _____



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VS0043	2013296	< 5	0.08	< 0.2	< 0.2	< 0.1	2.0	30	0.2	5.5	< 0.2	14			
VS0044	2013296	< 5	0.08	→ 1.2	< 0.2	< 0.1	3.0	< 10	0.4	7.0	< 0.2	25			
VS0045	2013296	< 5	0.04	< 0.2	< 0.2	< 0.1	8.2	< 10	0.2	4.0	< 0.2	24			
VS0046	2013296	< 5	0.10	0.8	< 0.2	< 0.1	3.2	< 10	0.2	5.0	< 0.2	18			
VS0047	2013296	< 5	0.04	1.0	< 0.2	< 0.1	→ 6.8	< 10	0.2	4.0	< 0.2	30			
VS0048	2013296	< 5	0.22	1.0	< 0.2	< 0.1	7.2	→ 60	0.6	4.5	< 0.2	15			
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↙ VS0058	2013296	< 5	0.02	→ 1.8	< 0.2	< 0.1	→ 11.6	< 10	0.2	8.5	< 0.2	47			
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VS0070	2013296	< 5	0.04	1.0	< 0.2	< 0.1	5.8	30	< 0.2	4.5	< 0.2	37			

CERTIFICATION: _____



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VS0001	2013296	< 5	0.10	1.2	0.2	< 0.1	3.0	60	0.4	6.5	< 0.2	9			
VS0002	2013296	< 5	0.12	0.6	< 0.2	< 0.1	9.2	30	0.4	5.5	< 0.2	25			
VS0003	2013296	< 5	0.10	1.4	< 0.2	0.1	5.2	60	0.4	5.5	< 0.2	30			
VS0005	2013296	< 5	0.02	< 0.2	< 0.2	< 0.1	6.0	10	0.2	3.5	< 0.2	22			
VS0006	2013296	< 5	0.04	< 0.2	< 0.2	< 0.1	4.4	10	< 0.2	3.5	< 0.2	25			
VS0007	2013296	< 5	0.08	< 0.2	< 0.2	< 0.1	5.6	10	0.4	5.0	< 0.2	33			
VS0008	2013296	< 5	0.04	< 0.2	< 0.2	< 0.1	5.6	10	0.2	3.0	< 0.2	16			
VS0009	2013296	< 5	0.02	0.4	< 0.2	< 0.1	6.6	30	0.2	2.5	< 0.2	15			
VS0010	2013296	< 5	0.04	0.6	< 0.2	< 0.1	3.2	20	1.0	5.0	< 0.2	17			
VS0011	2013296	< 5	0.08	0.2	< 0.2	< 0.1	6.4	50	0.2	5.0	< 0.2	17			
VS0012	2013296	< 5	0.12	< 0.2	< 0.2	< 0.1	3.6	40	0.4	6.0	< 0.2	11			
VS0013	2013296	< 5	0.02	< 0.2	0.2	< 0.1	12.0	20	0.2	2.0	< 0.2	32			
VS0014	2013296	< 5	0.06	< 0.2	< 0.2	< 0.1	2.0	20	0.2	3.5	< 0.2	9			
VS0015	2013296	< 5	0.04	< 0.2	< 0.2	< 0.1	1.8	< 10	0.2	4.5	< 0.2	10			
VS0016	2013296	< 5	0.08	< 0.2	< 0.2	< 0.1	5.8	40	0.6	5.5	< 0.2	41			
VS0018	2013296	< 5	0.06	0.6	< 0.2	< 0.1	11.6	40	0.6	5.0	< 0.2	29			
VS0019	2013296	< 5	0.08	0.8	< 0.2	< 0.1	5.6	40	0.8	6.5	< 0.2	13			
VS0020	2013296	< 5	0.22	< 0.2	< 0.2	< 0.1	4.2	40	0.6	4.0	< 0.2	18			
VS0021	2013296	< 5	0.08	0.2	< 0.2	< 0.1	2.0	30	0.2	2.5	< 0.2	7			
VS0022	2013296	< 5	0.08	1.2	< 0.2	< 0.1	5.4	40	0.6	6.0	< 0.2	33			
VS0023	2013296	< 5	0.08	0.6	< 0.2	< 0.1	6.6	50	0.4	6.5	< 0.2	24			
VS0024	2013296	< 5	0.06	0.2	< 0.2	< 0.1	11.6	20	0.4	4.5	< 0.2	26			
VS0025	2013296	< 5	0.10	< 0.2	< 0.2	0.1	5.8	60	0.6	7.5	< 0.2	19			
VS0026	2013296	< 5	0.04	< 0.2	< 0.2	< 0.1	3.6	20	1.0	6.0	< 0.2	13			
VS0027	2013296	< 5	0.06	< 0.2	< 0.2	< 0.1	3.4	10	0.2	3.5	< 0.2	14			
VS0028	2013296	< 5	0.18	0.4	< 0.2	< 0.1	6.0	20	0.2	3.5	< 0.2	17			
VS0029	2013296	< 5	0.10	0.4	< 0.2	< 0.1	2.4	< 10	0.4	5.0	< 0.2	9			
VS0030	2013296	< 5	0.18	< 0.2	0.2	< 0.1	4.2	50	0.8	5.5	< 0.2	13			
VS0031	2013296	< 5	0.08	1.2	< 0.2	< 0.1	4.6	40	0.2	4.5	< 0.2	22			
VS0032	2013296	< 5	0.10	0.4	< 0.2	< 0.1	4.6	60	0.4	6.5	< 0.2	18			
VS0033	2013296	< 5	0.10	< 0.2	< 0.2	< 0.1	1.6	30	0.2	5.5	< 0.2	17			
VS0034	2013296	< 5	0.06	0.4	< 0.2	< 0.1	2.6	30	0.2	8.5	< 0.2	30			
VS0035	2013296	< 5	0.10	0.8	0.2	0.1	9.2	20	0.4	8.5	< 0.2	32			
VS0036	2013296	< 5	0.46	1.6	< 0.2	0.1	4.4	40	0.6	6.0	< 0.2	32			
VS0037	2013296	< 5	0.06	< 0.2	< 0.2	< 0.1	10.6	10	0.6	3.5	< 0.2	18			
VS0038	2013296	< 5	0.06	< 0.2	< 0.2	< 0.1	16.6	< 10	0.2	4.5	< 0.2	45			
VS0039	2013296	< 5	0.14	2.0	< 0.2	< 0.1	5.6	30	0.8	8.0	< 0.2	28			
VS0040	2013296	< 5	0.14	0.2	< 0.2	< 0.1	4.8	40	0.8	6.0	< 0.2	16			
VS0041	2013296	< 5	0.06	0.8	< 0.2	< 0.1	6.6	30	0.2	5.0	< 0.2	21			
VS0042	2013296	< 5	0.12	0.8	< 0.2	< 0.1	2.2	40	0.6	6.5	< 0.2	10			

CERTIFICATION:

Wayne Reid



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
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to: BATTLE MOUNTAIN CANADA LTD.

P.O. BOX 100
MANITOUWADGE, ON
POT 1C0

Project: 407
Comments: ATTN: COLIN MACKENZIE

CC: WAYNE REID

Page Number :2
Total Pages :2
Certificate Date: 06-SEP-96
Invoice No. : 19629875
P.O. Number :
Account : FIL

CERTIFICATE OF ANALYSIS A9629875

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cd ppm	Cu ppm	Hg ppb	Mo ppm	Pb ppm	Sb ppm	Zn ppm			
VS0043	2013296	< 5	0.08	< 0.2	< 0.2	< 0.1	2.0	30	0.2	5.5	< 0.2	14			
VS0044	2013296	< 5	0.08	→ 1.2	< 0.2	< 0.1	3.0	< 10	0.4	7.0	< 0.2	25			
VS0045	2013296	< 5	0.04	< 0.2	< 0.2	< 0.1	8.2	< 10	0.2	4.0	< 0.2	24			
VS0046	2013296	< 5	0.10	0.8	< 0.2	< 0.1	3.2	< 10	0.2	5.0	< 0.2	18			
VS0047	2013296	< 5	0.04	1.0	< 0.2	< 0.1	→ 16.8	< 10	0.2	4.0	< 0.2	30			
VS0048	2013296	< 5	0.22	1.0	< 0.2	< 0.1	7.2	→ 30	0.6	4.5	< 0.2	15			
VS0049	2013296	< 5	0.06	0.6	0.2	< 0.1	→ 10.2	< 10	0.4	5.0	< 0.2	27			
VS0050	2013296	< 5	0.06	1.0	0.2	< 0.1	→ 11.2	→ 60	0.8	5.0	< 0.2	17			
VS0051	2013296	< 5	0.02	→ 2.2	< 0.2	0.1	5.6	→ 70	→ 1.2	8.0	< 0.2	15			
VS0052	2013296	< 5	0.06	< 0.2	< 0.2	< 0.1	2.6	< 10	0.4	7.0	< 0.2	18			
VS0053	2013296	< 5	0.12	1.0	< 0.2	< 0.1	4.6	10	0.6	6.5	< 0.2	30			
VS0054	2013296	< 5	0.14	0.8	< 0.2	< 0.1	7.2	20	0.6	6.0	< 0.2	→ 60			
VS0055	2013296	< 5	0.06	0.4	< 0.2	< 0.1	4.6	< 10	0.2	4.0	< 0.2	→ 52			
VS0056	2013296	< 5	0.06	→ 1.2	< 0.2	0.1	9.4	40	0.2	6.5	< 0.2	45			
VS0057	2013296	< 5	0.06	0.6	< 0.2	0.2	10.0	< 10	0.2	9.0	< 0.2	49			
VS0058	2013296	< 5	0.02	→ 1.8	< 0.2	< 0.1	→ 11.6	< 10	0.2	8.5	< 0.2	47			
VS0059	2013296	< 5	0.06	→ 2.0	< 0.2	0.1	→ 16.6	< 10	0.2	→ 10.5	< 0.2	→ 55			
VS0060	2013296	< 5	0.06	→ 2.8	< 0.2	0.1	→ 20.2	40	0.2	→ 10.5	< 0.2	→ 58			
VS0061	2013296	< 5	< 0.02	0.6	< 0.2	< 0.1	1.6	10	0.8	8.0	< 0.2	7			
VS0062	2013296	< 5	0.12	0.2	< 0.2	< 0.1	3.8	40	0.4	6.0	< 0.2	32			
VS0063	2013296	< 5	0.02	0.6	< 0.2	< 0.1	6.8	< 10	< 0.2	6.0	< 0.2	33			
VS0064	2013296	< 5	0.10	→ 2.4	< 0.2	0.1	→ 13.0	40	0.2	9.5	< 0.2	→ 50			
VS0065	2013296	< 5	0.02	→ 2.2	< 0.2	0.1	→ 12.2	20	< 0.2	9.5	< 0.2	47			
VS0066	2013296	< 5	0.04	1.0	< 0.2	0.1	→ 11.8	30	< 0.2	8.0	< 0.2	→ 52			
VS0067	2013296	< 5	0.04	< 0.2	< 0.2	0.1	7.6	10	< 0.2	6.0	< 0.2	40			
VS0068	2013296	< 5	0.06	→ 1.6	< 0.2	0.1	7.2	30	0.2	8.0	< 0.2	→ 51			
VS0069	2013296	< 5	0.02	→ 1.4	< 0.2	< 0.1	4.8	10	< 0.2	5.5	< 0.2	36			
VS0070	2013296	< 5	0.04	1.0	< 0.2	< 0.1	5.8	30	< 0.2	4.5	< 0.2	37			

CERTIFICATION:

Wayne Reid



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga
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To: BATTLE MOUNTAIN CANADA LTD.

P.O. BOX 100
MANITOUWADGE, ON
P0T 1C0

A9630515

Comments: ATTN: COLIN MACKENZIE

CC: WAYNE REID

CERTIFICATE **A9630515**

(FIL) - BATTLE MOUNTAIN CANADA LTD.

Project: 407
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 18-SEP-96.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	45	Geochem ring to approx 150 mesh
201	32	Dry, sieve to -80 mesh
203	45	Dry, sieve to -35 mesh
3296	77	Ultra trace digestion

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	77	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
1941	77	Ag ppm: Ultra trace package	EXT-ICP	0.02	200
1092	77	As ppm: Ultra trace package	EXT-ICP	0.2	5000
1094	77	Bi ppm: Ultra trace package	EXT-ICP	0.2	5000
1095	77	Cd ppm: Ultra trace package	EXT-ICP	0.1	1000
1097	77	Cu ppm: Ultra trace package	EXT-ICP	0.2	5000
20	77	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
1939	77	Mo ppm: Ultra trace package	EXT-ICP	0.2	5000
1933	77	Pb ppm: Ultra trace package	EXT-ICP	0.5	5000
1089	77	Sb ppm: Ultra trace package	EXT-ICP	0.2	1000
1946	77	Zn ppm: Ultra trace package	EXT-ICP	1	5000



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CC: WAYNE REID

Page Number : 1
 Total Pages : 2
 Certificate Date: 18-SEP-96
 Invoice No. : 19630515
 P.O. Number :
 Account : FIL

CERTIFICATE OF ANALYSIS A9630515

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cd ppm	Cu ppm	Hg ppb	Mo ppm	Pb ppm	Sb ppm	Zn ppm			
VS0071	201B296	< 5	0.08	1.6	0.2	0.1	7.2	10	0.2	8.0	< 0.2	65			
VS0072	201B296	< 5	< 0.02	1.0	0.2	< 0.1	6.6	10	0.2	6.5	< 0.2	31			
VS0073	201B296	< 5	< 0.02	1.8	0.2	< 0.1	8.6	20	0.2	8.5	< 0.2	37			
VS0074	205 203	< 5	0.26	3.0	0.2	0.4	28.2	60	0.2	13.5	< 0.2	60			
VS0075	201B296	< 5	0.02	1.4	0.4	< 0.1	6.8	20	0.2	6.0	< 0.2	31			
VS0076	205 203	< 5	0.08	3.4	0.6	0.3	20.4	60	0.2	12.5	< 0.2	45			
VS0077	201B296	< 5	0.02	2.0	0.2	< 0.1	6.4	10	0.2	10.0	< 0.2	34			
VS0078	205 203	< 5	0.10	2.8	0.2	0.2	18.2	20	0.2	11.5	< 0.2	59			
VS0079	205 203	< 5	0.06	3.6	0.2	0.2	17.6	50	0.4	11.5	< 0.2	49			
VS0080	201B296	< 5	0.06	2.2	< 0.2	< 0.1	10.0	40	0.2	6.5	< 0.2	23			
VS0081	201B296	< 5	0.02	2.2	0.2	< 0.1	5.6	30	0.4	5.0	< 0.2	17			
VS0082	201B296	< 5	0.18	1.6	0.2	0.4	20.0	70	0.2	12.0	< 0.2	33			
VS0083	201B296	< 5	< 0.02	0.4	< 0.2	0.1	5.0	< 10	< 0.2	3.5	< 0.2	18			
VS0084	201B296	< 5	< 0.02	0.6	< 0.2	< 0.1	2.2	< 10	< 0.2	2.5	< 0.2	12			
VS0085	201B296	< 5	0.02	0.6	0.2	< 0.1	4.0	30	< 0.2	3.5	< 0.2	15			
VS0086	201B296	< 5	0.06	< 0.2	0.2	0.1	4.6	10	0.2	4.0	< 0.2	18			
VS0087	201B296	< 5	0.02	1.8	0.4	0.1	16.8	10	0.2	8.5	< 0.2	42			
VS0088	201B296	< 5	0.02	1.2	< 0.2	< 0.1	6.2	40	0.2	4.0	< 0.2	15			
VS0089	201B296	< 5	0.02	2.2	< 0.2	< 0.1	7.8	50	0.2	5.5	< 0.2	21			
VS0090	205 203	< 5	0.08	3.6	< 0.2	0.2	20.6	40	0.4	10.0	< 0.2	54			
VS0091	205 203	< 5	0.08	3.0	0.2	0.1	16.8	40	0.2	8.5	< 0.2	43			
VS0092	201B296	< 5	< 0.02	2.0	< 0.2	< 0.1	5.8	30	0.4	5.5	< 0.2	17			
VS0093	201B296	< 5	0.04	2.8	< 0.2	0.1	18.0	40	0.2	7.0	< 0.2	43			
VS0094	205 203	< 5	0.08	3.2	< 0.2	< 0.1	16.4	60	0.2	8.5	< 0.2	38			
VS0095	201B296	< 5	0.12	2.6	< 0.2	0.2	16.6	70	0.2	9.0	< 0.2	42			
VS0096	205 203	< 5	0.14	2.8	< 0.2	0.3	12.4	30	0.4	8.5	< 0.2	39			
VS0097	205 203	< 5	0.06	2.6	0.2	0.1	10.2	50	0.4	8.0	< 0.2	39			
VS0098	205 203	< 5	0.02	2.0	0.2	< 0.1	9.6	40	0.4	8.0	< 0.2	39			
VS0099	205 203	< 5	0.02	2.2	0.2	0.1	8.2	40	0.4	8.5	< 0.2	39			
VS0100	201B296	< 5	0.04	2.6	0.2	< 0.1	10.8	40	0.2	7.0	< 0.2	34			
VS0101	201B296	< 5	0.04	1.4	< 0.2	< 0.1	7.6	10	0.2	5.0	< 0.2	27			
VS0102	205 203	< 5	0.02	2.2	< 0.2	0.1	7.8	20	0.2	7.5	< 0.2	40			
VS0103	201B296	< 5	0.02	1.2	0.2	< 0.1	4.0	40	1.8	9.0	< 0.2	39			
VS0104	201B296	< 5	0.18	2.0	< 0.2	0.1	17.0	90	1.8	8.5	< 0.2	83			
VS0105	201B296	< 5	0.08	1.2	< 0.2	< 0.1	7.6	40	1.4	5.5	< 0.2	45			
VS0106	201B296	< 5	0.04	2.0	< 0.2	0.1	6.2	60	0.4	4.5	< 0.2	18			
VS0107	201B296	< 5	0.02	1.2	< 0.2	< 0.1	2.8	30	0.2	3.5	< 0.2	16			
VS0109	201B296	< 5	0.10	1.2	< 0.2	0.1	10.0	30	0.2	5.0	< 0.2	53			
VS0110	205 203	< 5	0.04	2.6	0.2	0.1	10.0	40	0.6	8.5	< 0.2	44			
VS0111	201B296	< 5	0.02	1.8	0.2	< 0.1	8.4	30	0.2	7.5	< 0.2	48			

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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PHONE: 905-624-2806 FAX: 905-624-6163

To: BATTLE MOUNTAIN CANADA LTD.

P.O. BOX 100
MANITOUWADGE, ON
P0T 1C0

Project: 407
Comments: ATTN: COLIN MACKENZIE

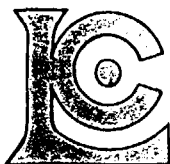
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Page Number :2
Total Pages :2
Certificate Date: 18-SEP-96
Invoice No. : 19630515
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Account : FIL

CERTIFICATE OF ANALYSIS A9630515

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cd ppm	Cu ppm	Hg ppb	Mo ppm	Pb ppm	Sb ppm	Zn ppm			
VS0112	205 203	< 5	0.32	3.6	< 0.2	0.4	30.4	70	0.6	13.5	< 0.2	82			
VS0113	205 203	< 5	0.06	2.2	< 0.2	< 0.1	10.2	40	0.4	8.5	< 0.2	51			
VS0114	2013296	< 5	0.06	2.8	< 0.2	0.1	7.2	50	0.4	9.5	< 0.2	31			
VS0115	2013296	< 5	0.06	2.8	< 0.2	0.1	10.4	40	0.2	9.0	0.4	55			
VS0116	205 203	< 5	0.08	2.2	< 0.2	0.2	11.2	40	0.2	8.5	< 0.2	60			
VS0117	205 203	< 5	0.16	2.8	0.2	0.2	17.0	80	0.4	12.0	< 0.2	58			
VS0118	205 203	< 5	0.06	1.2	< 0.2	0.1	7.4	30	0.2	9.5	< 0.2	74			
VS0119	205 203	< 5	0.10	2.2	< 0.2	0.1	9.8	50	0.6	11.5	< 0.2	49			
VS0120	205 203	< 5	0.04	2.4	< 0.2	0.1	8.2	30	0.4	10.0	< 0.2	47			
VS0121	205 203	< 5	0.06	2.2	< 0.2	0.1	12.4	40	0.4	10.5	< 0.2	55			
VS0122	205 203	< 5	0.02	1.4	< 0.2	< 0.1	6.6	30	0.4	8.0	< 0.2	39			
VS0123	205 203	< 5	< 0.02	1.6	< 0.2	< 0.1	8.2	20	0.2	7.0	< 0.2	42			
VS0124	205 203	< 5	0.18	2.6	0.2	0.5	24.8	70	0.4	12.5	< 0.2	61			
VS0125	205 203	< 5	0.04	1.8	< 0.2	< 0.1	6.8	10	0.2	6.0	< 0.2	34			
VS0126	205 203	< 5	0.02	1.4	< 0.2	< 0.1	5.6	20	0.2	6.0	< 0.2	42			
VS0127	205 203	< 5	0.02	1.6	< 0.2	0.1	5.8	20	0.2	6.0	< 0.2	38			
VS0128	205 203	< 5	0.06	1.0	0.2	0.1	8.6	30	0.4	9.0	< 0.2	41			
VS0129	205 203	< 5	0.12	2.4	< 0.2	0.4	13.6	40	0.6	8.5	< 0.2	49			
VS0130	205 203	< 5	0.04	1.8	< 0.2	0.1	7.8	40	0.8	7.0	< 0.2	17			
VS0131	205 203	< 5	0.02	1.2	< 0.2	0.1	5.2	40	0.6	7.5	< 0.2	38			
VS0132	205 203	< 5	0.06	1.0	< 0.2	< 0.1	5.2	10	0.4	8.5	< 0.2	44			
VS0133	205 203	< 5	0.04	2.4	< 0.2	< 0.1	11.6	30	0.2	9.5	< 0.2	44			
VS0134	205 203	< 5	0.10	2.6	< 0.2	0.1	8.8	30	0.4	8.5	< 0.2	55			
VS0135	205 203	< 5	0.06	2.4	< 0.2	< 0.1	6.4	30	0.4	7.0	< 0.2	36			
VS0136	205 203	< 5	0.02	2.0	0.8	0.1	7.4	30	0.4	7.0	< 0.2	35			
VS0137	205 203	< 5	0.04	3.8	0.8	0.1	12.8	50	0.2	10.0	< 0.2	37			
VS0138	205 203	< 5	0.08	1.8	0.2	0.3	12.0	30	0.4	9.0	< 0.2	40			
VS0139	205 203	< 5	0.18	2.6	< 0.2	0.4	16.4	60	0.4	12.5	< 0.2	63			
VS0140	205 203	< 5	0.04	3.0	0.2	< 0.1	12.6	30	0.4	10.5	< 0.2	46			
VS0141	2013296	< 5	0.06	1.0	< 0.2	< 0.1	8.0	40	0.8	4.5	< 0.2	21			
VS0142	205 203	< 5	0.08	3.2	1.8	0.1	86.8	100	2.2	6.0	< 0.2	54			
VS0143	205 203	< 5	0.14	3.2	< 0.2	0.1	12.0	50	0.6	11.0	< 0.2	44			
VS0144	205 203	< 5	0.04	2.0	0.2	< 0.1	10.4	30	0.6	7.5	< 0.2	40			
VS0145	205 203	< 5	0.06	2.6	< 0.2	0.1	7.4	30	0.4	8.5	< 0.2	39			
VS0146	2013296	< 5	0.02	3.8	0.2	< 0.1	2.4	40	1.8	8.0	< 0.2	12			
VS0147	2013296	< 5	0.06	1.2	< 0.2	< 0.1	3.0	20	0.6	6.0	< 0.2	23			
VS0148	205 203	< 5	0.02	2.0	0.2	< 0.1	13.0	20	0.2	9.5	< 0.2	50			

CERTIFICATION: 11-SEP-96



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: BATTLE MOUNTAIN CANADA LTD.

P.O. BOX 100
MANITOUWADGE, ON
P0T 1C0

Project: 407
Comments: ATTN: COLIN MACKENZIE

CC: WAYNE REID

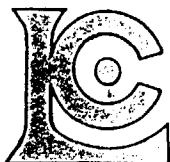
Page Number : 1
Total Pages : 2
Certificate Date: 18-SEP-96
Invoice No. : I9630515
P.O. Number :
Account : FIL

CERTIFICATE OF ANALYSIS A9630515

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cd ppm	Cu ppm	Hg ppb	Mo ppm	Pb ppm	Sb ppm	Zn ppm			
VS0071	2013296	< 5	0.08	1.6	0.2	0.1	7.2	10	0.2	8.0	< 0.2	65			
VS0072	2013296	< 5	< 0.02	1.0	0.2	< 0.1	6.6	10	0.2	6.5	< 0.2	31			
VS0073	2013296	< 5	< 0.02	1.8	0.2	< 0.1	8.6	20	0.2	8.5	< 0.2	37			
VS0074	205 203	< 5	0.26	3.0	0.2	0.4	28.2	60	0.2	13.5	< 0.2	60			
VS0075	2013296	< 5	0.02	1.4	0.4	< 0.1	6.8	20	0.2	6.0	< 0.2	31			
VS0076	205 203	< 5	0.08	3.4	0.6	0.3	20.4	60	0.2	12.5	< 0.2	45			
VS0077	2013296	< 5	0.02	2.0	0.2	< 0.1	6.4	10	0.2	10.0	< 0.2	34			
VS0078	205 203	< 5	0.10	2.8	0.2	0.2	18.2	20	0.2	11.5	< 0.2	59			
VS0079	205 203	< 5	0.06	3.6	0.2	0.2	17.6	50	0.4	11.5	< 0.2	49			
VS0080	2013296	< 5	0.06	2.2	< 0.2	< 0.1	10.0	40	0.2	6.5	< 0.2	23			
VS0081	2013296	< 5	0.02	2.2	0.2	< 0.1	5.6	30	0.4	5.0	< 0.2	17			
VS0082	2013296	< 5	0.18	1.6	0.2	0.4	20.0	70	0.2	12.0	< 0.2	33			
VS0083	2013296	< 5	< 0.02	0.4	< 0.2	0.1	5.0	< 10	< 0.2	3.5	< 0.2	18			
VS0084	2013296	< 5	< 0.02	0.6	< 0.2	< 0.1	2.2	< 10	< 0.2	2.5	< 0.2	12			
VS0085	2013296	< 5	0.02	0.6	0.2	< 0.1	4.0	30	< 0.2	3.5	< 0.2	15			
VS0086	2013296	< 5	0.06	< 0.2	0.2	0.1	4.6	10	0.2	4.0	< 0.2	18			
VS0087	2013296	< 5	0.02	1.8	0.4	0.1	16.8	10	0.2	8.5	< 0.2	42			
VS0088	2013296	< 5	0.02	1.2	< 0.2	< 0.1	6.2	40	0.2	4.0	< 0.2	15			
VS0089	2013296	< 5	0.02	2.2	< 0.2	< 0.1	7.8	50	0.2	5.5	< 0.2	21			
VS0090	205 203	< 5	0.08	3.6	< 0.2	0.2	20.6	40	0.4	10.0	< 0.2	54			
VS0091	205 203	< 5	0.08	3.0	0.2	0.1	16.8	40	0.2	8.5	< 0.2	43			
VS0092	2013296	< 5	< 0.02	2.0	< 0.2	< 0.1	5.8	30	0.4	5.5	< 0.2	17			
VS0093	2013296	< 5	0.04	2.8	< 0.2	0.1	18.0	40	0.2	7.0	< 0.2	43			
VS0094	205 203	< 5	0.08	3.2	< 0.2	< 0.1	16.4	60	0.2	8.5	< 0.2	38			
VS0095	2013296	< 5	0.12	2.6	< 0.2	0.2	16.6	70	0.2	9.0	< 0.2	42			
VS0096	205 203	< 5	0.14	2.8	< 0.2	0.3	12.4	30	0.4	8.5	< 0.2	39			
VS0097	205 203	< 5	0.06	2.6	0.2	0.1	10.2	50	0.4	8.0	< 0.2	39			
VS0098	205 203	< 5	0.02	2.0	0.2	< 0.1	9.6	40	0.4	8.0	< 0.2	39			
VS0099	205 203	< 5	0.02	2.2	0.2	0.1	8.2	40	0.4	8.5	< 0.2	39			
VS0100	2013296	< 5	0.04	2.6	0.2	< 0.1	10.8	40	0.2	7.0	< 0.2	34			
VS0101	2013296	< 5	0.04	1.4	< 0.2	< 0.1	7.6	10	0.2	5.0	< 0.2	27			
VS0102	205 203	< 5	0.02	2.2	< 0.2	0.1	7.8	20	0.2	7.5	< 0.2	40			
VS0103	2013296	< 5	0.02	1.2	0.2	< 0.1	4.0	40	1.8	9.0	< 0.2	39			
VS0104	2013296	< 5	0.18	2.0	< 0.2	0.1	17.0	90	1.8	8.5	< 0.2	83			
VS0105	2013296	< 5	0.08	1.2	< 0.2	< 0.1	7.6	40	1.4	5.5	< 0.2	45			
VS0106	2013296	< 5	0.04	2.0	< 0.2	0.1	6.2	60	0.4	4.5	< 0.2	18			
VS0107	2013296	< 5	0.02	1.2	< 0.2	< 0.1	2.8	30	0.2	3.5	< 0.2	16			
VS0109	2013296	< 5	0.10	1.2	< 0.2	0.1	10.0	30	0.2	5.0	< 0.2	53			
VS0110	205 203	< 5	0.04	2.6	0.2	0.1	10.0	40	0.6	8.5	< 0.2	44			
VS0111	2013296	< 5	0.02	1.8	0.2	< 0.1	8.4	30	0.2	7.5	< 0.2	48			

CERTIFICATION:

John P. ...



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga
 Ontario, Canada L4W 2S3
 PHONE: 905-624-2806 FAX: 905-624-6163

To: BATTLE MOUNTAIN CANADA LTD.

P.O. BOX 100
 MANITOUWADGE, ON
 POT 1C0

Project: 407
 Comments: ATTN: COLIN MACKENZIE CC: WAYNE REID

Page Number :2
 Total Pages :2
 Certificate Date: 18-SEP-96
 Invoice No. : I9630515
 P.O. Number :
 Account : FIL

CERTIFICATE OF ANALYSIS A9630515

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cd ppm	Cu ppm	Hg ppb	Mo ppm	Pb ppm	Sb ppm	Zn ppm			
VS0112	205 203	< 5	0.32	3.6	< 0.2	0.4	30.4	70	0.6	13.5	< 0.2	82			
VS0113	205 203	< 5	0.06	2.2	< 0.2	< 0.1	10.2	40	0.4	8.5	< 0.2	51			
VS0114	201B296	< 5	0.06	2.8	< 0.2	0.1	7.2	50	0.4	9.5	< 0.2	31			
VS0115	201B296	< 5	0.06	2.8	< 0.2	0.1	10.4	40	0.2	9.0	0.4	55			
VS0116	205 203	< 5	0.08	2.2	< 0.2	0.2	11.2	40	0.2	8.5	< 0.2	60			
VS0117	205 203	< 5	0.16	2.8	0.2	0.2	17.0	80	0.4	12.0	< 0.2	58			
VS0118	205 203	< 5	0.06	1.2	< 0.2	0.1	7.4	30	0.2	9.5	< 0.2	74			
VS0119	205 203	< 5	0.10	2.2	< 0.2	0.1	9.8	50	0.6	11.5	< 0.2	49			
VS0120	205 203	< 5	0.04	2.4	< 0.2	0.1	8.2	30	0.4	10.0	< 0.2	47			
VS0121	205 203	< 5	0.06	2.2	< 0.2	0.1	12.4	40	0.4	10.5	< 0.2	55			
VS0122	205 203	< 5	0.02	1.4	< 0.2	< 0.1	6.6	30	0.4	8.0	< 0.2	39			
VS0123	205 203	< 5	< 0.02	1.6	< 0.2	< 0.1	8.2	20	0.2	7.0	< 0.2	42			
VS0124	205 203	< 5	0.18	2.6	0.2	0.5	24.8	70	0.4	12.5	< 0.2	61			
VS0125	205 203	< 5	0.04	1.8	< 0.2	< 0.1	6.8	10	0.2	6.0	< 0.2	34			
VS0126	205 203	< 5	0.02	1.4	< 0.2	< 0.1	5.6	20	0.2	6.0	< 0.2	42			
VS0127	205 203	< 5	0.02	1.6	< 0.2	0.1	5.8	20	0.2	6.0	< 0.2	38			
VS0128	205 203	< 5	0.06	1.0	0.2	0.1	8.6	30	0.4	9.0	< 0.2	41			
VS0129	205 203	< 5	0.12	2.4	< 0.2	0.4	13.6	40	0.6	8.5	< 0.2	49			
VS0130	205 203	< 5	0.04	1.8	< 0.2	0.1	7.8	40	0.8	7.0	< 0.2	17			
VS0131	205 203	< 5	0.02	1.2	< 0.2	0.1	5.2	40	0.6	7.5	< 0.2	38			
VS0132	205 203	< 5	0.06	1.0	< 0.2	< 0.1	5.2	10	0.4	8.5	< 0.2	44			
VS0133	205 203	< 5	0.04	2.4	< 0.2	< 0.1	11.6	30	0.2	9.5	< 0.2	44			
VS0134	205 203	< 5	0.10	2.6	< 0.2	0.1	8.8	30	0.4	8.5	< 0.2	55			
VS0135	205 203	< 5	0.06	2.4	< 0.2	< 0.1	6.4	30	0.4	7.0	< 0.2	36			
VS0136	205 203	< 5	0.02	2.0	0.8	0.1	7.4	30	0.4	7.0	< 0.2	35			
VS0137	205 203	< 5	0.04	3.8	0.8	0.1	12.8	50	0.2	10.0	< 0.2	37			
VS0138	205 203	< 5	0.08	1.8	0.2	0.3	12.0	30	0.4	9.0	< 0.2	40			
VS0139	205 203	< 5	0.18	2.6	< 0.2	0.4	16.4	60	0.4	12.5	< 0.2	63			
VS0140	205 203	< 5	0.04	3.0	0.2	< 0.1	12.6	30	0.4	10.5	< 0.2	46			
VS0141	201B296	< 5	0.06	1.0	< 0.2	< 0.1	8.0	40	0.8	4.5	< 0.2	21			
VS0142	205 203	< 5	0.08	3.2	1.8	0.1	86.8	100	2.2	6.0	< 0.2	54			
VS0143	205 203	< 5	0.14	3.2	< 0.2	0.1	12.0	50	0.6	11.0	< 0.2	44			
VS0144	205 203	< 5	0.04	2.0	0.2	< 0.1	10.4	30	0.6	7.5	< 0.2	40			
VS0145	205 203	< 5	0.06	2.6	< 0.2	0.1	7.4	30	0.4	8.5	< 0.2	39			
VS0146	201B296	< 5	0.02	3.8	0.2	< 0.1	2.4	40	1.8	8.0	< 0.2	12			
VS0147	201B296	< 5	0.06	1.2	< 0.2	< 0.1	3.0	20	0.6	6.0	< 0.2	23			
VS0148	205 203	< 5	0.02	2.0	0.2	< 0.1	13.0	20	0.2	9.5	< 0.2	50			

CERTIFICATION: _____



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: BATTLE MOUNTAIN CANADA LTD.

P.O. BOX 100
MANITOUWADGE, ON
P0T 1C0

A9633994

Comments: ATTN: COLIN MacKENZIE CC: WAYNE REID

CERTIFICATE

A9633994

(FIL) - BATTLE MOUNTAIN CANADA LTD.

Project: 407
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 10-OCT-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	30	Dry, sieve to -80 mesh
3296	30	Ultra trace digestion

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	30	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
1941	30	Ag ppm: Ultra trace package	EXT-ICP	0.02	200
1092	30	As ppm: Ultra trace package	EXT-ICP	0.2	5000
1094	30	Bi ppm: Ultra trace package	EXT-ICP	0.2	5000
1095	30	Cd ppm: Ultra trace package	EXT-ICP	0.1	1000
1097	30	Cu ppm: Ultra trace package	EXT-ICP	0.2	5000
20	30	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
1939	30	Mo ppm: Ultra trace package	EXT-ICP	0.2	5000
1933	30	Pb ppm: Ultra trace package	EXT-ICP	0.5	5000
1089	30	Sb ppm: Ultra trace package	EXT-ICP	0.2	1000
1946	30	Zn ppm: Ultra trace package	EXT-ICP	1	5000



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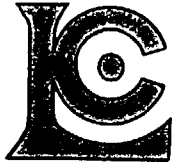
Project : 407
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Page Number : 1
Total Pages : 1
Certificate Date: 10-OCT-96
Invoice No. : I9633994
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Account : FIL

CERTIFICATE OF ANALYSIS A9633994

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cd ppm	Cu ppm	Hg ppb	Mo ppm	Pb ppm	Sb ppm	Zn ppm			
VS0150	2013296	< 5	0.06	1.8	< 0.2	0.1	10.4	50	0.4	9.5	< 0.2	49			
VS0151	2013296	< 5	0.06	2.6	< 0.2	0.1	18.4	40	0.2	13.0	< 0.2	75			
VS0152	2013296	< 5	0.10	2.0	< 0.2	0.2	16.2	40	0.2	10.0	< 0.2	71			
VS0153	2013296	< 5	0.02	1.4	< 0.2	< 0.1	3.4	50	0.6	4.0	< 0.2	12			
VS0154	2013296	< 5	< 0.02	1.6	< 0.2	< 0.1	4.8	20	0.2	3.5	< 0.2	14			
VS0155	2013296	< 5	0.02	1.8	< 0.2	< 0.1	9.2	30	< 0.2	4.5	< 0.2	25			
VS0156	2013296	< 5	0.02	0.6	< 0.2	0.1	7.4	20	< 0.2	3.0	< 0.2	31			
VS0157	2013296	< 5	0.06	2.4	< 0.2	< 0.1	8.2	40	0.4	8.0	< 0.2	54			
VS0158	2013296	< 5	< 0.02	1.4	< 0.2	< 0.1	5.0	10	< 0.2	4.5	< 0.2	14			
VS0159	2013296	< 5	0.06	1.6	< 0.2	0.1	19.8	50	0.2	8.0	< 0.2	46			
VS0160	2013296	< 5	0.02	2.6	< 0.2	0.1	16.4	60	0.2	8.5	< 0.2	43			
VS0161	2013296	< 5	0.04	1.6	< 0.2	0.1	9.2	40	0.2	9.0	< 0.2	38			
VS0162	2013296	< 5	0.08	1.8	< 0.2	0.1	9.0	40	0.2	11.0	< 0.2	44			
VS0163	2013296	< 5	0.06	0.8	< 0.2	0.1	6.2	40	< 0.2	5.5	< 0.2	32			
VS0164	2013296	< 5	0.08	2.0	< 0.2	0.1	13.4	40	< 0.2	8.5	< 0.2	53			
VS0165	2013296	< 5	0.06	1.6	< 0.2	0.2	13.0	30	0.2	15.5	< 0.2	34			
VS0166	2013296	< 5	0.10	1.2	< 0.2	0.1	13.4	50	0.2	11.0	< 0.2	60			
VS0167	2013296	< 5	0.06	1.4	< 0.2	0.1	12.4	40	0.2	9.0	< 0.2	47			
VS0168	2013296	< 5	0.02	1.6	< 0.2	0.1	8.4	30	0.2	8.0	< 0.2	59			
VS0169	2013296	< 5	0.12	1.2	< 0.2	0.3	16.0	50	0.2	9.0	< 0.2	65			
VS0170	2013296	< 5	0.02	2.2	< 0.2	0.1	11.2	30	0.2	10.5	< 0.2	47			
VS0171	2013296	< 5	0.08	1.0	< 0.2	0.2	10.2	40	0.2	8.0	< 0.2	55			
VS0172	2013296	< 5	0.04	2.0	< 0.2	0.1	12.4	30	0.2	8.5	< 0.2	54			
VS0173	2013296	< 5	0.02	0.6	< 0.2	< 0.1	7.6	50	< 0.2	4.0	< 0.2	17			
VS0174	2013296	< 5	0.02	1.4	< 0.2	< 0.1	7.6	40	0.2	6.5	< 0.2	32			
VS0175	2013296	< 5	0.06	1.2	< 0.2	< 0.1	10.0	20	0.2	9.0	< 0.2	48			
VS0176	2013296	< 5	0.10	1.0	< 0.2	0.2	8.8	50	0.2	7.5	< 0.2	52			
VS0177	2013296	< 5	0.06	1.0	< 0.2	0.3	8.6	40	0.2	6.0	< 0.2	42			
VS0178	2013296	< 5	0.14	1.2	< 0.2	0.4	13.8	60	0.2	6.5	< 0.2	47			
VS0179	2013296	< 5	0.04	1.6	< 0.2	0.1	7.4	30	0.2	6.5	< 0.2	42			

CERTIFICATION: Hank Bichler



Chemex Labs Ltd.

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 MANITOUWADGE, ON
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Project: 407
 Comments: ATTN: COLIN MacKENZIE CC: WAYNE REID

Page Number : 1
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 Account : FIL

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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cd ppm	Cu ppm	Hg ppb	Mo ppm	Pb ppm	Sb ppm	Zn ppm			
VS0150	2013296	< 5	0.06	1.8	< 0.2	0.1	10.4	50	0.4	9.5	< 0.2	49			
VS0151	2013296	< 5	0.06	2.6	< 0.2	0.1	18.4	40	0.2	13.0	< 0.2	75			
VS0152	2013296	< 5	0.10	2.0	< 0.2	0.2	16.2	40	0.2	10.0	< 0.2	71			
VS0153	2013296	< 5	0.02	1.4	< 0.2	< 0.1	3.4	50	0.6	4.0	< 0.2	12			
VS0154	2013296	< 5	< 0.02	1.6	< 0.2	< 0.1	4.8	20	0.2	3.5	< 0.2	14			
VS0155	2013296	< 5	0.02	1.8	< 0.2	< 0.1	9.2	30	< 0.2	4.5	< 0.2	25			
VS0156	2013296	< 5	0.02	0.6	< 0.2	0.1	7.4	20	< 0.2	3.0	< 0.2	31			
VS0157	2013296	< 5	0.06	2.4	< 0.2	< 0.1	8.2	40	0.4	8.0	< 0.2	54			
VS0158	2013296	< 5	< 0.02	1.4	< 0.2	< 0.1	5.0	10	< 0.2	4.5	< 0.2	14			
VS0159	2013296	< 5	0.06	1.6	< 0.2	0.1	19.8	50	0.2	8.0	< 0.2	46			
VS0160	2013296	< 5	0.02	2.6	< 0.2	0.1	16.4	60	0.2	8.5	< 0.2	43			
VS0161	2013296	< 5	0.04	1.6	< 0.2	0.1	9.2	40	0.2	9.0	< 0.2	38			
VS0162	2013296	< 5	0.08	1.8	< 0.2	0.1	9.0	40	0.2	11.0	< 0.2	44			
VS0163	2013296	< 5	0.06	0.8	< 0.2	0.1	6.2	40	< 0.2	5.5	< 0.2	32			
VS0164	2013296	< 5	0.08	2.0	< 0.2	0.1	13.4	40	< 0.2	8.5	< 0.2	53			
VS0165	2013296	< 5	0.06	1.6	< 0.2	0.2	13.0	30	0.2	15.5	< 0.2	34			
VS0166	2013296	< 5	0.10	1.2	< 0.2	0.1	13.4	50	0.2	11.0	< 0.2	60			
VS0167	2013296	< 5	0.06	1.4	< 0.2	0.1	12.4	40	0.2	9.0	< 0.2	47			
VS0168	2013296	< 5	0.02	1.6	< 0.2	0.1	8.4	30	0.2	8.0	< 0.2	59			
VS0169	2013296	< 5	0.12	1.2	< 0.2	0.3	16.0	50	0.2	9.0	< 0.2	65			
VS0170	2013296	< 5	0.02	2.2	< 0.2	0.1	11.2	30	0.2	10.5	< 0.2	47			
VS0171	2013296	< 5	0.08	1.0	< 0.2	0.2	10.2	40	0.2	8.0	< 0.2	55			
VS0172	2013296	< 5	0.04	2.0	< 0.2	0.1	12.4	30	0.2	8.5	< 0.2	54			
VS0173	2013296	< 5	0.02	0.6	< 0.2	< 0.1	7.6	50	< 0.2	4.0	< 0.2	17			
VS0174	2013296	< 5	0.02	1.4	< 0.2	< 0.1	7.6	40	0.2	6.5	< 0.2	32			
VS0175	2013296	< 5	0.06	1.2	< 0.2	< 0.1	10.0	20	0.2	9.0	< 0.2	48			
VS0176	2013296	< 5	0.10	1.0	< 0.2	0.2	8.8	50	0.2	7.5	< 0.2	52			
VS0177	2013296	< 5	0.06	1.0	< 0.2	0.3	8.6	40	0.2	6.0	< 0.2	42			
VS0178	2013296	< 5	0.14	1.2	< 0.2	0.4	13.8	60	0.2	6.5	< 0.2	47			
VS0179	2013296	< 5	0.04	1.6	< 0.2	0.1	7.4	30	0.2	6.5	< 0.2	42			

CERTIFICATION: _____



ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
 THUNDER BAY, ONTARIO P7B 6G3
 PHONE (807) 623-6448
 FAX (807) 623-6820

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BATTLE MOUNTAIN - CANADA
 P.O. BOX 100
 MANITOUWADGE, ONTARIO
 P0T 2C0

July 22, 1996


Job# 964959

ATTENTION: COLIN MACKENZIE

Project # 407

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t
	1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
	11 Ch		
	12		
	13		
	14		
	1385-A		
	1385-B		
		<5	<0.001
		<5	<0.001

certified By:





ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

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BATTLE MOUNTAIN GOLD MINES - EXPLORATION OFFICE
P.O. BOX 100
MANITOUWADGE, ONTARIO
POT 2C0

Sept. 2, 1996

Job# 9641125

Project # 407

ATTENTION: COLIN MACKENZIE

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t
1	1385-D	<5	<0.001
2	1385-E	<5	<0.001
3 Check	1385-E	<5	<0.001

Certified By: _____

APPENDIX II

Sample Table with Statistics

Geochemistry and Statistics

SAMPLE	Au	Sb	As	Bi	Cd	Cu	Pb	Hg	Mo	Ag	Zn
VS0001	<5	<2	1.2	0.2	<.1	3	6.5	60	0.4	0.1	9
VS0002	<5	<2	0.6	<.2	<.1	9.2	5.5	30	0.4	0.12	25
VS0003	<5	<2	1.4	<.2	0.1	5.2	5.5	60	0.4	0.1	30
VS0005	<5	<2	<.2	<.2	<.1	6	3.5	10	0.2	0.02	22
VS0006	<5	<2	<.2	<.2	<.1	4.4	3.5	10	<.2	0.04	25
VS0007	<5	<2	<.2	<.2	<.1	5.6	5	10	0.4	0.08	33
VS0008	<5	<2	<.2	<.2	<.1	5.6	3	10	0.2	0.04	16
VS0009	<5	<2	0.4	<.2	<.1	6.6	2.5	30	0.2	0.02	15
VS0010	<5	<2	0.6	<.2	<.1	3.2	5	20	1	0.04	17
VS0011	<5	<2	0.2	<.2	<.1	6.4	5	50	0.2	0.08	17
VS0012	<5	<2	<.2	<.2	<.1	3.6	6	40	0.4	0.12	11
VS0013	<5	<2	<.2	0.2	<.1	12	2	20	0.2	0.02	32
VS0014	<5	<2	<.2	<.2	<.1	2	3.5	20	0.2	0.06	9
VS0015	<5	<2	<.2	<.2	<.1	1.8	4.5	<10	0.2	0.04	10
VS0016	<5	<2	<.2	<.2	<.1	5.8	5.5	40	0.6	0.08	41
VS0018	<5	<2	0.6	<.2	<.1	11.6	5	40	0.6	0.06	29
VS0019	<5	<2	0.8	<.2	<.1	5.6	6.5	40	0.8	0.08	13
VS0020	<5	<2	<.2	<.2	<.1	4.2	4	40	0.6	0.22	18
VS0021	<5	<2	0.2	<.2	<.1	2	2.5	30	0.2	0.08	7
VS0022	<5	<2	1.2	<.2	<.1	5.4	6	40	0.6	0.08	33
VS0023	<5	<2	0.6	<.2	<.1	6.6	6.5	50	0.4	0.08	24
VS0024	<5	<2	0.2	<.2	<.1	11.6	4.5	20	0.4	0.06	26
VS0025	<5	<2	<.2	<.2	0.1	25.8	7.5	60	0.6	0.1	19
VS0026	<5	<2	<.2	<.2	<.1	3.6	6	20	1	0.04	13
VS0027	<5	<2	<.2	<.2	<.1	3.4	3.5	10	0.2	0.06	14
VS0028	<5	<2	0.4	<.2	<.1	6	3.5	20	0.2	0.18	17
VS0029	<5	<2	0.4	<.2	<.1	2.4	5	<10	0.4	0.1	9
VS0030	<5	<2	<.2	0.2	<.1	4.2	5.5	50	0.8	0.18	13
VS0031	<5	<2	1.2	<.2	<.1	7.6	4.5	40	0.2	0.08	22
VS0032	<5	<2	0.4	<.2	<.1	4.6	6.5	60	0.4	0.1	18
VS0033	<5	<2	<.2	<.2	<.1	1.6	5.5	30	0.2	0.1	17
VS0034	<5	<2	0.4	<.2	<.1	2.6	8.5	30	0.2	0.06	30
VS0035	<5	<2	0.8	0.2	0.1	9.2	8.5	20	0.4	0.1	32
VS0036	<5	<2	1.6	<.2	0.1	4.4	6	40	0.6	0.46	32
VS0037	<5	<2	<.2	<.2	<.1	10.6	3.5	10	0.6	0.06	18
VS0038	<5	<2	<.2	<.2	<.1	16.6	4.5	<10	0.2	0.06	45
VS0039	<5	<2	2	<.2	<.1	5.6	8	30	0.8	0.14	28
VS0040	<5	<2	0.2	<.2	<.1	4.8	6	40	0.8	0.14	16
VS0041	<5	<2	0.8	<.2	<.1	6.6	5	30	0.2	0.06	21
VS0042	<5	<2	0.8	<.2	<.1	2.2	6.5	40	0.6	0.12	10
VS0043	<5	<2	<.2	<.2	<.1	2	5.5	30	0.2	0.08	14
VS0044	<5	<2	1.2	<.2	<.1	3	7	<10	0.4	0.08	25
VS0045	<5	<2	<.2	<.2	<.1	8.2	4	<10	0.2	0.04	24
VS0046	<5	<2	0.8	<.2	<.1	3.2	5	<10	0.2	0.1	18
VS0047	<5	<2	1	<.2	<.1	16.8	4	<10	0.2	0.04	30
VS0048	<5	<2	1	<.2	<.1	7.2	4.5	60	0.6	0.22	15
VS0049	<5	<2	0.6	0.2	<.1	10.2	5	<10	0.4	0.06	27
VS0050	<5	<2	1	0.2	<.1	11.2	5	60	0.8	0.06	17
VS0051	<5	<2	2.2	<.2	0.1	5.6	8	70	1.2	0.02	15
VS0052	<5	<2	<.2	<.2	<.1	2.6	7	<10	0.4	0.06	18

Geochemistry and Statistics

SAMPLE	Au	Sb	As	Bi	Cd	Cu	Pb	Hg	Mo	Ag	Zn
VS0053	<5	<.2	1	<.2	<.1	4.6	6.5	10	0.6	0.12	30
VS0054	<5	<.2	0.8	<.2	<.1	7.2	6	20	0.6	0.14	60
VS0055	<5	<.2	0.4	<.2	<.1	4.6	4	<10	0.2	0.06	52
VS0056	<5	<.2	1.2	<.2	0.1	9.4	6.5	40	0.2	0.06	45
VS0057	<5	<.2	0.6	<.2	0.2	10	9	<10	0.2	0.06	49
VS0058	<5	<.2	1.8	<.2	<.1	11.6	8.5	<10	0.2	0.02	47
VS0059	<5	<.2	2	<.2	0.1	16.6	10.5	<10	0.2	0.06	55
VS0060	<5	<.2	2.8	<.2	0.1	20.2	10.5	40	0.2	0.06	58
VS0061	<5	<.2	0.6	<.2	<.1	1.6	8	10	0.8	<.02	7
VS0062	<5	<.2	0.2	<.2	<.1	3.8	6	40	0.4	0.12	32
VS0063	<5	<.2	0.6	<.2	<.1	6.8	6	<10	<.2	0.02	33
VS0064	<5	<.2	2.4	<.2	0.1	13	9.5	40	0.2	0.1	50
VS0065	<5	<.2	2.2	<.2	0.1	12.2	9.5	20	<.2	0.02	47
VS0066	<5	<.2	1	<.2	0.1	11.8	8	30	<.2	0.04	52
VS0067	<5	<.2	<.2	<.2	0.1	7.6	6	10	<.2	0.04	40
VS0068	<5	<.2	1.6	<.2	0.1	7.2	8	30	0.2	0.06	51
VS0069	<5	<.2	1.4	<.2	<.1	4.8	5.5	10	<.2	0.02	36
VS0070	<5	<.2	1	<.2	<.1	5.8	4.5	30	<.2	0.04	37
VS0071	<5	<.2	1.6	0.2	0.1	7.2	8	10	0.2	0.08	23
VS0072	<5	<.2	1	0.2	<.1	6.6	6.5	10	0.2	<.02	65
VS0073	<5	<.2	1.8	0.2	<.1	8.6	8.5	20	0.2	<.02	31
VS0074	<5	<.2	3	0.2	0.4	28.2	13.5	60	0.2	0.26	37
VS0075	<5	<.2	1.4	0.4	<.1	6.8	6	20	0.2	0.02	60
VS0076	<5	<.2	3.4	0.6	0.3	20.4	12.5	60	0.2	0.08	31
VS0077	<5	<.2	2	0.2	<.1	6.4	10	10	0.2	0.02	45
VS0078	<5	<.2	2.8	0.2	0.2	18.2	11.5	20	0.2	0.1	34
VS0079	<5	<.2	3.6	0.2	0.2	17.6	11.5	50	0.4	0.06	59
VS0080	<5	<.2	2.2	<.2	<.1	10	6.5	40	0.2	0.06	49
VS0081	<5	<.2	2.2	0.2	<.1	5.6	5	30	0.4	0.02	23
VS0082	<5	<.2	1.6	0.2	0.4	20	12	70	0.2	0.18	17
VS0083	<5	<.2	0.4	<.2	0.1	5	3.5	<10	<.2	<.02	33
VS0084	<5	<.2	0.6	<.2	<.1	2.2	2.5	<10	<.2	<.02	18
VS0085	<5	<.2	0.6	0.2	<.1	4	3.5	30	<.2	0.02	12
VS0086	<5	<.2	<.2	0.2	0.1	4.6	4	10	0.2	0.06	15
VS0087	<5	<.2	1.8	0.4	0.1	16.8	8.5	10	0.2	0.02	53
VS0088	<5	<.2	1.2	<.2	<.1	6.2	4	40	0.2	0.02	18
VS0089	<5	<.2	2.2	<.2	<.1	7.8	5.5	50	0.2	0.02	15
VS0090	<5	<.2	3.6	<.2	0.2	20.6	10	40	0.4	0.08	21
VS0091	<5	<.2	3	0.2	0.1	16.8	8.5	40	0.2	0.08	54
VS0092	<5	<.2	2	<.2	<.1	5.8	5.5	30	0.4	<.02	43
VS0093	<5	<.2	2.8	<.2	0.1	18	7	40	0.2	0.04	17
VS0094	<5	<.2	3.2	<.2	<.1	16.4	8.5	60	0.2	0.08	43
VS0095	<5	<.2	2.6	<.2	0.2	16.6	9	70	0.2	0.12	38
VS0096	<5	<.2	2.8	<.2	0.3	12.4	8.5	30	0.4	0.14	42
VS0097	<5	<.2	2.6	0.2	0.1	10.2	8	50	0.4	0.06	39
VS0098	<5	<.2	2	0.2	<.1	9.6	8	40	0.4	0.02	39
VS0099	<5	<.2	2.2	0.2	0.1	8.2	8.5	40	0.4	0.02	39
VS0100	<5	<.2	2.6	0.2	<.1	10.8	7	40	0.2	0.04	39
VS0101	<5	<.2	1.4	<.2	<.1	7.6	5	10	0.2	0.04	34
VS0102	<5	<.2	2.2	<.2	0.1	7.8	7.5	20	0.2	0.02	27

Geochemistry and Statistics

SAMPLE	Au	Sb	As	Bi	Cd	Cu	Pb	Hg	Mo	Ag	Zn
VS0103	<5	<2	1.2	0.2	<1	4	9	40	1.8	0.02	40
VS0104	<5	<2	2	<2	0.1	17	8.5	90	1.8	0.18	39
VS0105	<5	<2	1.2	<2	<1	7.6	5.5	40	1.4	0.08	83
VS0106	<5	<2	2	<2	0.1	6.2	4.5	60	0.4	0.04	45
VS0107	<5	<2	1.2	<2	<1	2.8	3.5	30	0.2	0.02	18
VS0109	<5	<2	1.2	<2	0.1	10	5	30	0.2	0.1	16
VS0110	<5	<2	2.6	0.2	0.1	10	8.5	40	0.6	0.04	50
VS0111	<5	<2	1.8	0.2	<1	8.4	7.5	30	0.2	0.02	44
VS0112	<5	<2	3.6	<2	0.4	30.4	13.5	70	0.6	0.32	48
VS0113	<5	<2	2.2	<2	<1	10.2	8.5	40	0.4	0.06	82
VS0114	<5	<2	2.8	<2	0.1	7.2	9.5	50	0.4	0.06	51
VS0115	<5	0.4	2.8	<2	0.1	10.4	9	40	0.2	0.06	31
VS0116	<5	<2	2.2	<2	0.2	11.2	8.5	40	0.2	0.08	55
VS0117	<5	<2	2.8	0.2	0.2	17	12	80	0.4	0.16	60
VS0118	<5	<2	1.2	<2	0.1	7.4	9.5	30	0.2	0.06	58
VS0119	<5	<2	2.2	<2	0.1	9.8	11.5	50	0.6	0.1	74
VS0120	<5	<2	2.4	<2	0.1	8.2	10	30	0.4	0.04	49
VS0121	<5	<2	2.2	<2	0.1	12.4	10.5	40	0.4	0.06	47
VS0122	<5	<2	1.4	<2	<1	6.6	8	30	0.4	0.02	55
VS0123	<5	<2	1.6	<2	<1	8.2	7	20	0.2	<0.2	39
VS0124	<5	<2	2.6	0.2	0.5	24.8	12.5	70	0.4	0.18	42
VS0125	<5	<2	1.8	<2	<1	6.8	6	10	0.2	0.04	61
VS0126	<5	<2	1.4	<2	<1	5.6	6	20	0.2	0.02	34
VS0127	<5	<2	1.6	<2	0.1	5.8	6	20	0.2	0.02	42
VS0128	<5	<2	1	0.2	0.1	8.6	9	30	0.4	0.06	38
VS0129	<5	<2	2.4	<2	0.4	13.6	8.5	40	0.6	0.12	41
VS0130	<5	<2	1.8	<2	0.1	7.8	7	40	0.8	0.04	49
VS0131	<5	<2	1.2	<2	0.1	5.2	7.5	40	0.6	0.02	17
VS0132	<5	<2	1	<2	<1	5.2	8.5	10	0.4	0.06	38
VS0133	<5	<2	2.4	<2	<1	11.6	9.5	30	0.2	0.04	44
VS0134	<5	<2	2.6	<2	0.1	8.8	8.5	30	0.4	0.1	44
VS0135	<5	<2	2.4	<2	<1	6.4	7	30	0.4	0.06	55
VS0136	<5	<2	2	0.8	0.1	7.4	7	30	0.4	0.02	36
VS0137	<5	<2	3.8	0.8	0.1	12.8	10	50	0.2	0.04	35
VS0138	<5	<2	1.8	0.2	0.3	12	9	30	0.4	0.08	37
VS0139	<5	<2	2.6	<2	0.4	16.4	12.5	60	0.4	0.18	40
VS0140	<5	<2	3	0.2	<1	12.6	10.5	30	0.4	0.04	63
VS0141	<5	<2	1	<2	<1	8	4.5	40	0.8	0.06	46
VS0142	<5	<2	3.2	1.8	0.1	86.8	6	100	2.2	0.08	21
VS0143	<5	<2	3.2	<2	0.1	12	11	50	0.6	0.14	54
VS0144	<5	<2	2	0.2	<1	10.4	7.5	30	0.6	0.04	44
VS0145	<5	<2	2.6	<2	0.1	7.4	8.5	30	0.4	0.06	40
VS0146	<5	<2	3.8	0.2	<1	2.4	8	40	1.8	0.02	39
VS0147	<5	<2	1.2	<2	<1	3	6	20	0.6	0.06	12
VS0148	<5	<2	2	0.2	<1	13	9.5	20	0.2	0.02	
VS0150	<5	<2	1.8	<2	0.1	10.4	9.5	50	0.4	0.06	42
VS0151	<5	<2	2.6	<2	0.1	18.4	13	40	0.2	0.06	49
VS0152	<5	<2	2	<2	0.2	16.2	10	40	0.2	0.1	75
VS0153	<5	<2	1.4	<2	<1	3.4	4	50	0.6	0.02	71
VS0154	<5	<2	1.6	<2	<1	4.8	3.5	20	0.2	<0.2	12

Geochemistry and Statistics

SAMPLE	Au	Sb	As	Bi	Cd	Cu	Pb	Hg	Mo	Ag	Zn
VS0155	<5	<2	1.8	<2	<1	9.2	4.5	30	<2	0.02	14
VS0156	<5	<2	0.6	<2	0.1	7.4	3	20	<2	0.02	25
VS0157	<5	<2	2.4	<2	<1	8.2	8	40	0.4	0.06	31
VS0158	<5	<2	1.4	<2	<1	5	4.5	10	<2	<0.02	54
VS0159	<5	<2	1.6	<2	0.1	19.8	8	50	0.2	0.06	14
VS0160	<5	<2	2.6	<2	0.1	16.4	8.5	60	0.2	0.02	46
VS0161	<5	<2	1.6	<2	0.1	9.2	9	40	0.2	0.04	43
VS0162	<5	<2	1.8	<2	0.1	9	11	40	0.2	0.08	38
VS0163	<5	<2	0.8	<2	0.1	6.2	5.5	40	<2	0.06	44
VS0164	<5	<2	2	<2	0.1	13.4	8.5	40	<2	0.08	32
VS0165	<5	<2	1.6	<2	0.2	13	15.5	30	0.2	0.06	53
VS0166	<5	<2	1.2	<2	0.1	13.4	11	50	0.2	0.1	34
VS0167	<5	<2	1.4	<2	0.1	12.4	9	40	0.2	0.06	60
VS0168	<5	<2	1.6	<2	0.1	8.4	8	30	0.2	0.02	47
VS0169	<5	<2	1.2	<2	0.3	16	9	50	0.2	0.12	59
VS0170	<5	<2	2.2	<2	0.1	11.2	10.5	30	0.2	0.02	65
VS0171	<5	<2	1	<2	0.2	10.2	8	40	0.2	0.08	47
VS0172	<5	<2	2	<2	0.1	12.4	8.5	30	0.2	0.04	55
VS0173	<5	<2	0.6	<2	<1	7.6	4	50	<2	0.02	54
VS0174	<5	<2	1.4	<2	<1	7.6	6.5	40	0.2	0.02	17
VS0175	<5	<2	1.2	<2	<1	10	9	20	0.2	0.06	32
VS0176	<5	<2	1	<2	0.2	8.8	7.5	50	0.2	0.1	48
VS0177	<5	<2	1	<2	0.3	8.6	6	40	0.2	0.06	52
VS0178	<5	<2	1.2	<2	0.4	13.8	6.5	60	0.2	0.14	42
VS0179	<5	<2	1.6	<2	0.1	7.4	6.5	30	0.2	0.04	47
Mean	0	0.002	1.45	0.65	0.07	9.5	7.13	32.8	0.36	0	35.37
Std. Dev.	na	0.03	0.97	0.18	0.1	7.9	2.57	19.23	0.33	na	16.71

APPENDIX III

Geochemistry Maps

Map A.	Au, Ag, As
Map B.	Bi, Cd, Cu
Map C.	Hg, Mo, Pb
Map D.	Sb, Zn
Map E.	Sample Numbers



Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsections 65(2) and 66(3), R.S.O. 1990

Mining Lands

Transaction Number (office use) 19640.614
Assessment Files Research Imaging

Personal information collected on this form is obtained under the authority of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder.

Questions :
933 Ramsey

Ministry of Northern Development and Mines, 6th Floor,

Instructic



42C13SW0171 2.16950 WABIKOBA LAKE

900

Res. Geol. - Scriber Hemlo
a claim, use form 0240.

2.16950

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

Name BATTLE MOUNTAIN CANADA LTD.	Client Number 14350
Address Po Box 1205, 60 Shirley St. South	Telephone Number (705) 268-9600
Timmins, Ont P4N 7J5	Fax Number (705) 268-9572
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.

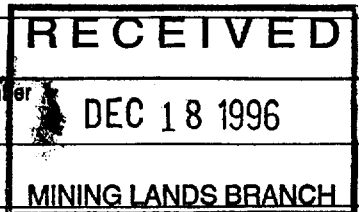
Geotechnical: prospecting, surveys, assays and work under section 18 (regs) Physical: drilling, stripping, trenching and associated assays Rehabilitation

Work Type Soil Geochemical survey, prospecting, rock sampling, assaying	Office Use
	Commodity
	Total \$ Value of Work Claimed \$10286.00
Dates Work Performed From 02 08 96 To 21 10 96	NTS Reference
Global Positioning System Data (if available)	Mining Division Mudder Bay
Township/Area Wabikoba Lake	Resident Geologist District Scriber Hemlo
M or G-Plan Number G-620	

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 Andrew Tims	Telephone Number (807) 926-4532
Address Po Box 100, 40 Manitow Rd., Suite 103, Manitowadge, Ont P0T 2C0	Fax Number (807) 926-4440
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number



4. Certification by Recorded Holder or Agent


I, George J. Koleszar (Print Name), 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 Dec 2, 1996
Agent's Address Po Box 1205, 60 Shirley St. South, Timmins, Ont P4N 7J5	Telephone Number (705) 268-9600
	Fax Number (705) 268-9572

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.

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.
TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
1234567	12	0	\$24,000	0	0
1234568 1234568	2	\$8,892	\$4,000	0	\$4,892
TB 1195261	8	2410.00	2410.00		
TB 1202154	9	1748.00	1748.00		
TB 1202155	10	605.00	605.00		
TB 1202162	16	171.00	171.00		
TB 1202167	16	1447.00	1447.00		
TB 1202168	16	365.00	365.00		
TB 1202169	3	497.00	497.00		
TB 1202173	16	3043.00	3043.00		
RECEIVED DEC 18 1996 MINING LANDS BRANCH		8 Claims 94 Units		602146930	
Column Totals		10,286.00	10,286.00		

George J. Koleszar, 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 claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing  Date Dec 2, 1996

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, working backwards; 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 or 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 Thunder Bay Mining Division DEC 10 1996 RECEIVED	Deemed Approved Date JAN 10, 1996	Date Notification Sent
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature) M. G. L. [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, the 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 the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

2,16950

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
Labour	34 days	150/day (approx)	5134.00
Assaying	Soil - 121 samples at	18.75	2268.00
	" - 45 "	20.625	929.00
	Rock - 1/2 "	10.40	5.00
	67K		67K
Associated Costs (e.g. supplies, mobilization and demobilization).			
	Sample bags, boxes etc		204.00
Transportation Costs			
	Rental truck & gas		1231.00
	BPK charges (Samples)		36.00
Food and Lodging Costs			
	Groceries		393.00
Total Value of Assessment Work			10,286.00 67K

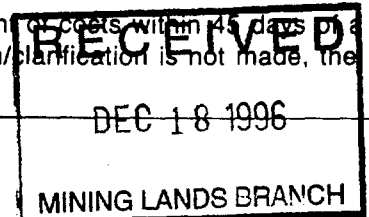
Calculations of Filing Discounts:

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, George J. Koleszar (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 Lands Manager (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.
Thunder Bay Mining Division

DEC 10 1996

RECEIVED

Signature 	Date Dec 5, 1996
---------------	---------------------

March 5, 1997

Michael Weirmeir
Mining Recorder
435 James Street South
Suite B003
Thunder Bay, ON
P7E 6E3

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

Dear Sir or Madam:

Submission Number: 2.16950

Status

Subject: Transaction Number(s): W9640.00614 Approval After Notice

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.

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

NOTE: This correspondence may affect the status of your mining lands. Please contact the Mining Recorder to determine the available options and the status of your claims.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at beneteau_s@torv05.ndm.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,



ORIGINAL SIGNED BY
Ron C. Gashinski
Senior Manager, Mining Lands Section
Mines and Minerals Division

Work Report Assessment Results

Submission Number: 2.16950

Date Correspondence Sent: March 05, 1997

Assessor: Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9640.00614	1195261	WABIKOBA LAKE	Approval After Notice	March 05, 1997

Section:

13 Geochemical GCHEM

As a result of our phone discussion and the information you provided, all deficiencies associated with this file have been corrected. Accordingly, assessment credit has been approved as outlined on the original Report of Work form.

Correspondence to:

Mining Recorder
Thunder Bay, ON

Resident Geologist
Thunder Bay, ON

Assessment Files Library
Sudbury, ON

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

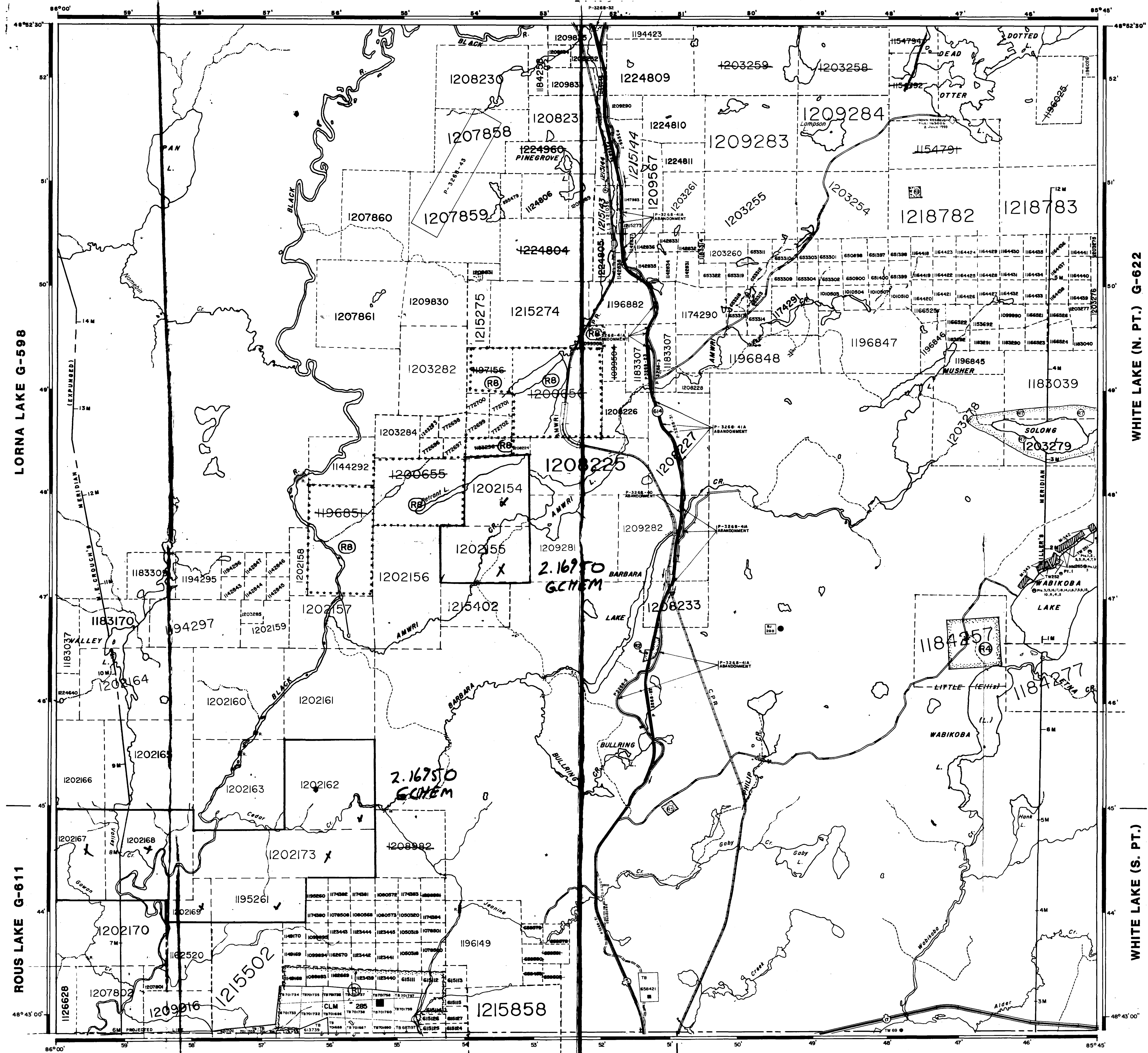
George J. Koleszar
BATTLE MOUNTAIN CANADA LTD.
Timmins, ONTARIO

AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M+S. - MINING AND SURFACE RIGHTS

Description Order No. Date Disposition File

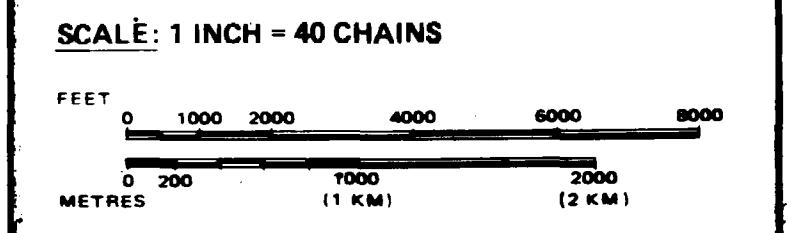
- (R1) Lands subject to easement for tailings disposal (Bomby twp. landroll) easement #B4-10
- (R2) Surface and mining rights withdrawn from staking order W 33/85, 18/12/85.
- (R3) Surface rights withdrawn from staking order W 28/83, 20/10/83.
- (R4) Surface rights withdrawn from staking order W 22/84, 14/09/84.
- (R5) Surface rights withdrawn from staking order W 10/85, 02/10/85.
- (R6) Surface rights withdrawn from staking order W TB 84/94NWR 94/16/14; septic drying bed, removed ORDER W 10/85
- (R7) area subject to flooding and other rights under easement #85-14 see white lake north landroll.
- (R8) SURFACE & MINING RIGHTS WITHDRAWN FROM STAKING. PENDING RELIEF FROM FORFEITURE FROM MINISTER.



- HIGHWAY AND ROUTE NO.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKIEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
.. SURFACE RIGHTS ONLY	○
.. MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	◑
.. SURFACE RIGHTS ONLY	◒
.. MINING RIGHTS ONLY	◓
LICENCE OF OCCUPATION	○
ORDER-IN-COUNCIL	OC
RESERVATION	○
CANCELLED	○
SAND & GRAVEL	○
LAND USE PERMITS FOR COMMERCIAL TOURISM, OUTPOST CAMPS	○



SO LONG LAKE SUBJECT TO FLOODING TO ELEVATION 323.75 METRES

Lands Surrounded by This Marking are Subject to Sec. 183 Easement #84-10. See Bomby Landroll.

***** Lands Surrounded by This Marking are Subject to Flooding and other rights, as per Sec. 183 Easement #85-14. See White Lake N. Landroll.

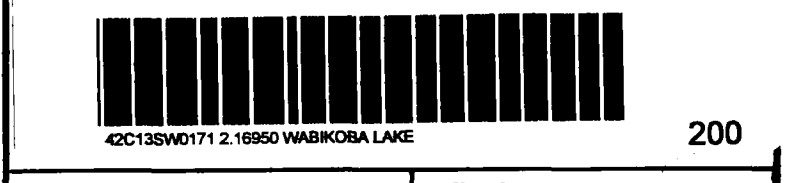
NOTE: The above Easements Run With The Land And Will Affect Leases And Patents.

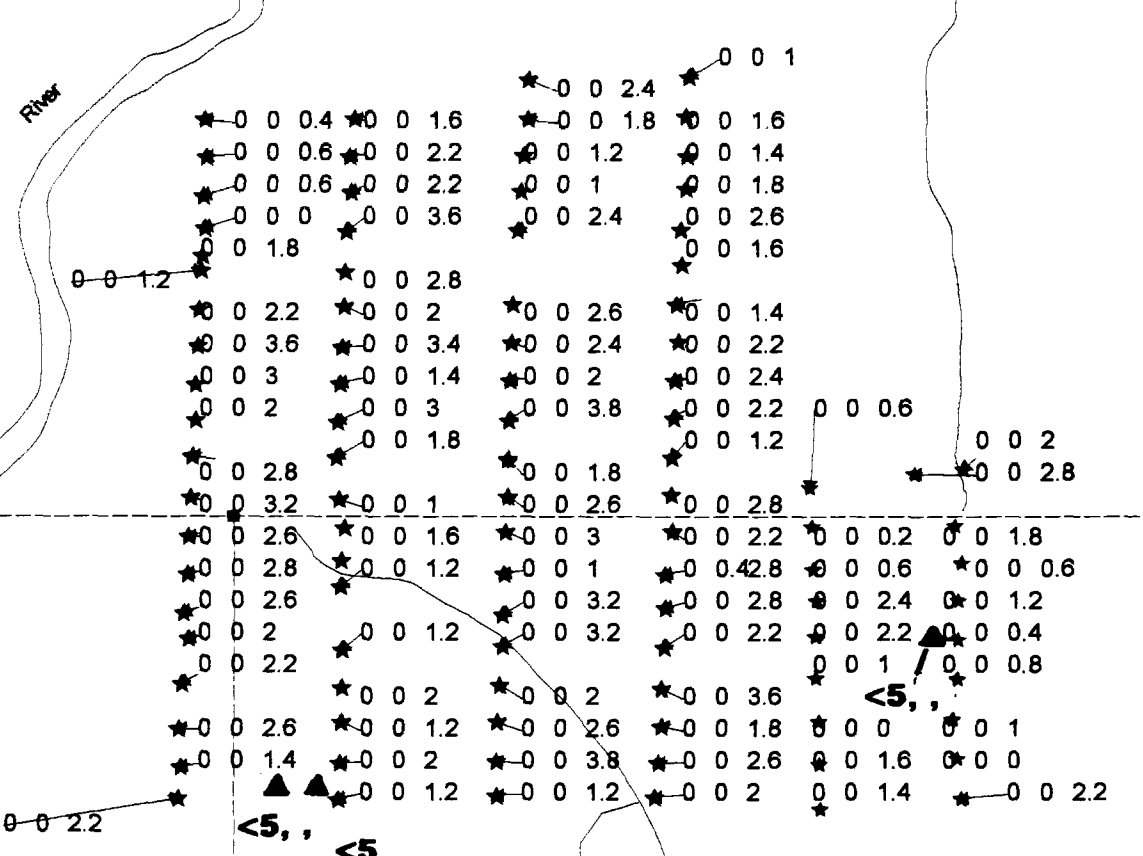
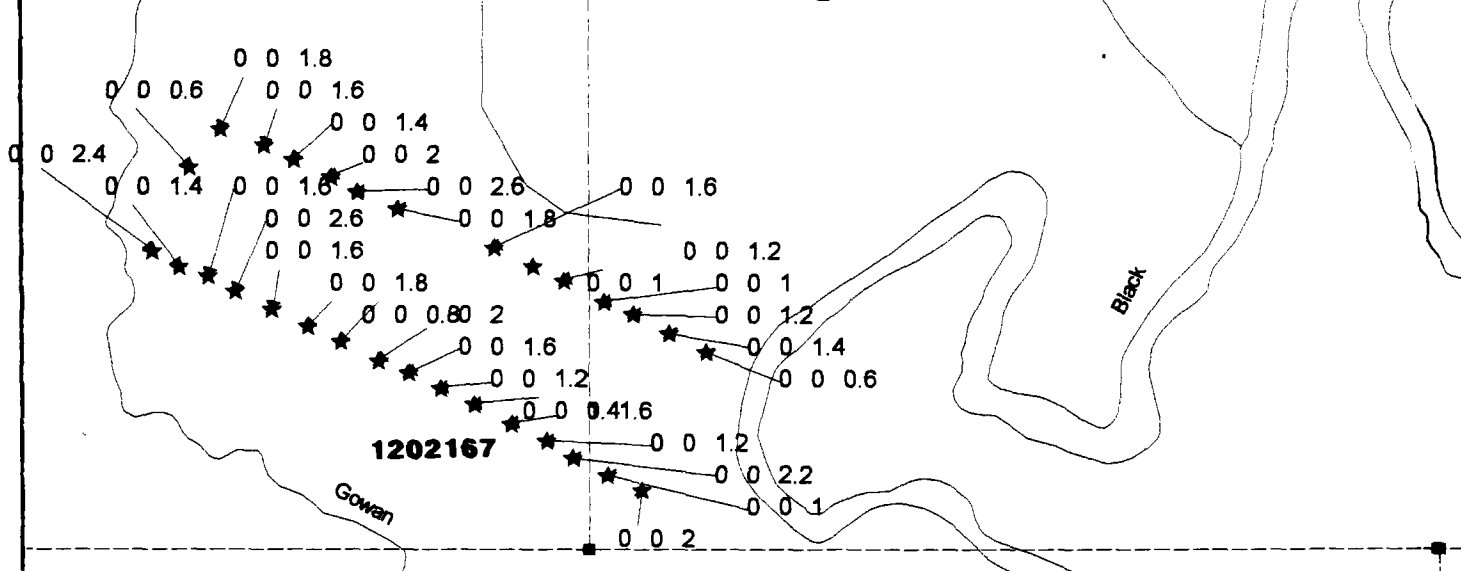
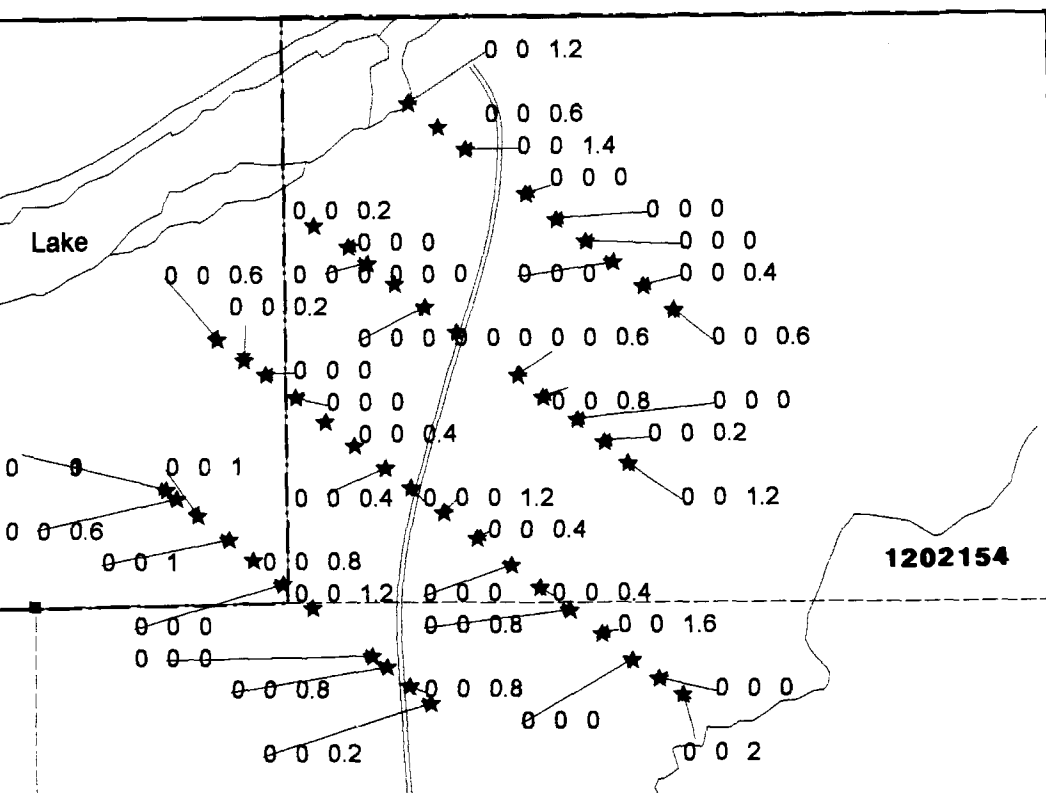
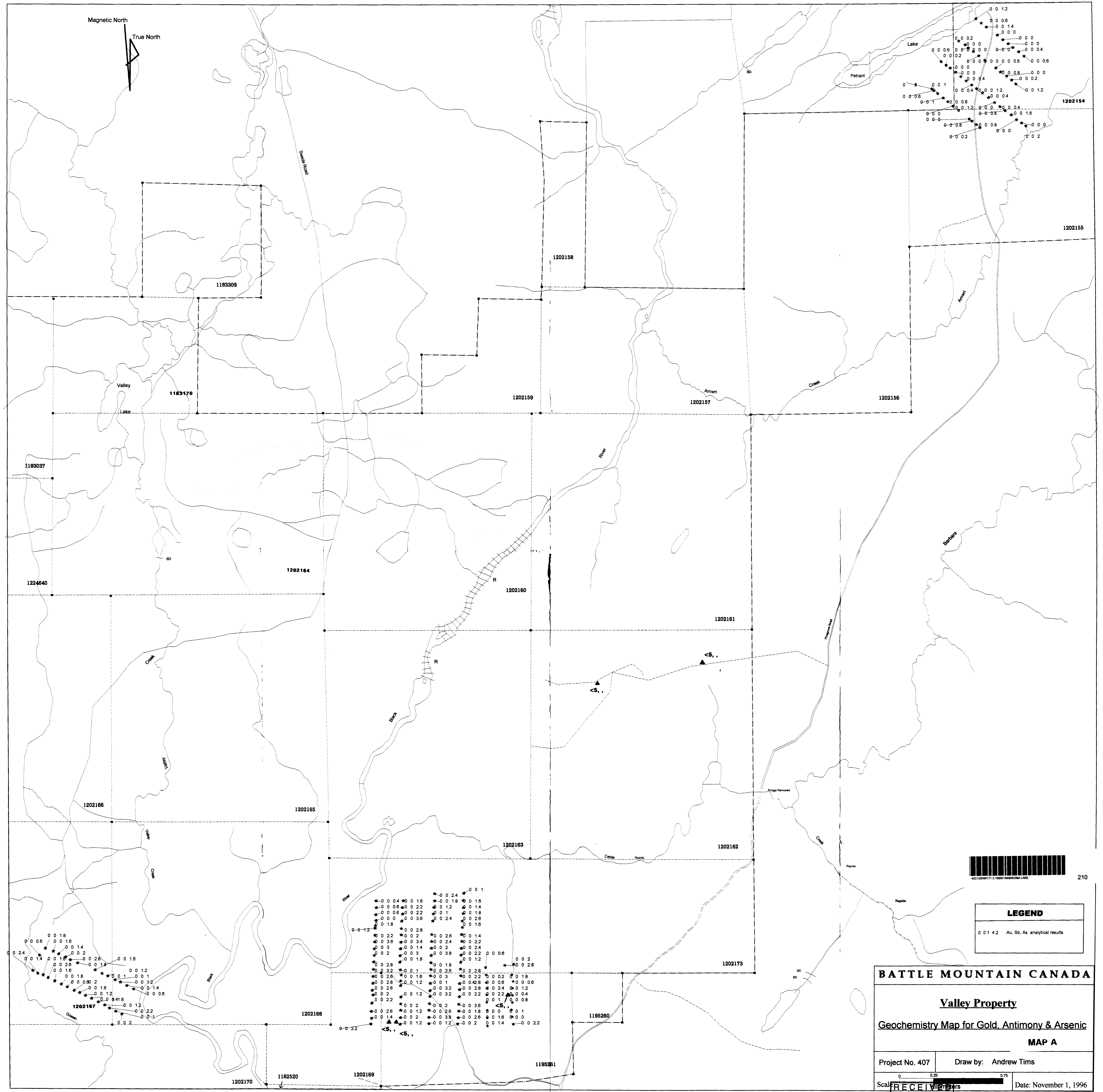
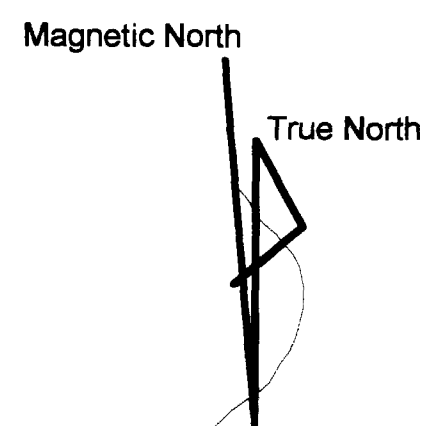
RECEIVED
DEC 18 1996
MINING LANDS BRANCH

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.

AREA
WABIKOBA LAKE

M.N.R. ADMINISTRATIVE DISTRICT
TERRACE BAY
MINING DIVISION
THUNDER BAY
LAND TITLES / REGISTRY DIVISION
THUNDER BAY





LEGEND	
0.014.2	Au, Sb, As analytical results

BATTLE MOUNTAIN CANADA

Valley Property

Geochemistry Map for Gold, Antimony & Arsenic

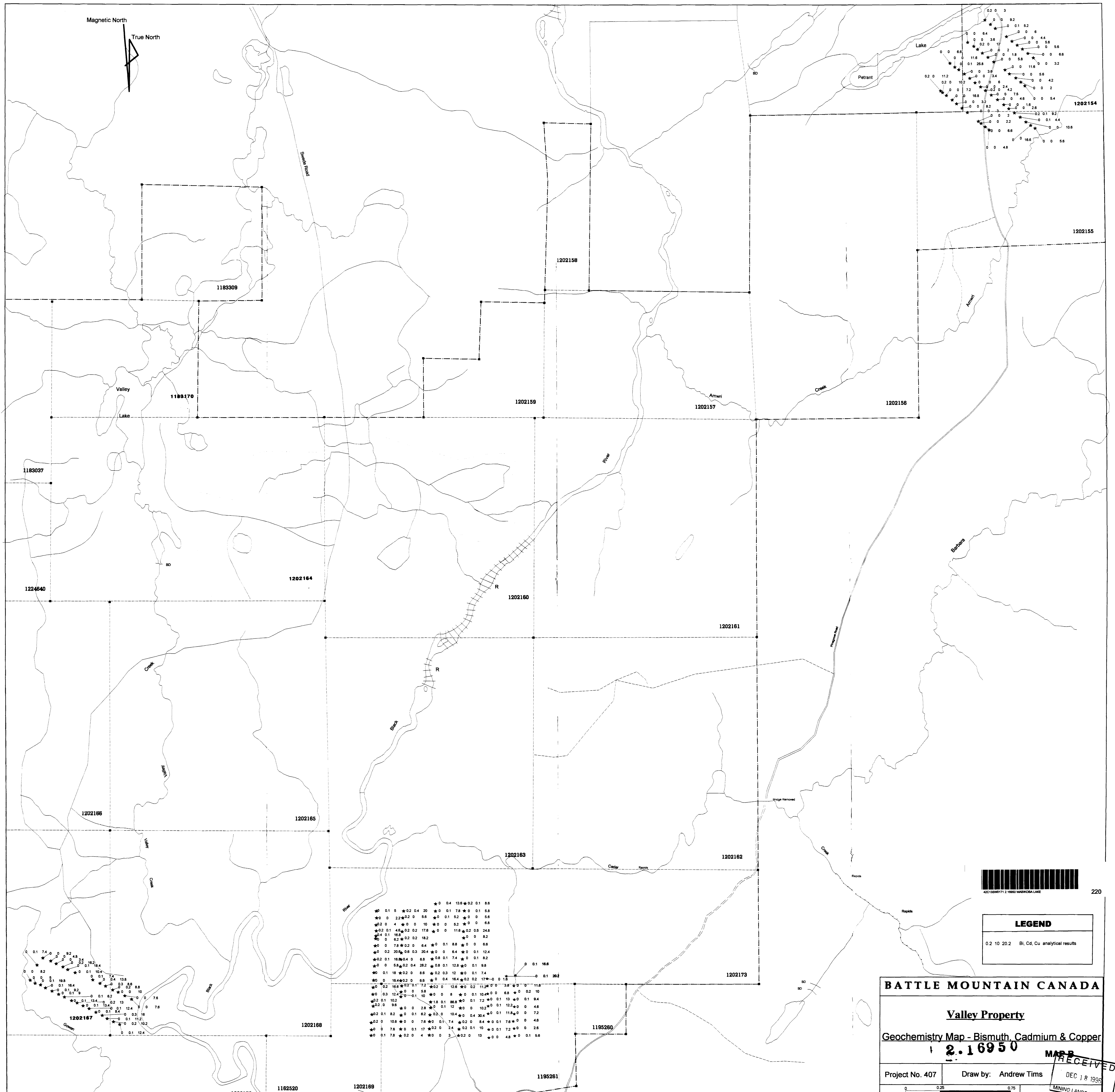
MAP A

Project No. 407 Draw by: Andrew Tims

Scale: Date: November 1, 1996

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DEC 18 1996
2.16950

Magnetic North
True North



42139471 2 1000 WABOUSA LANE

220

LEGEND	
0.2	10 20.2
Bi, Cd, Cu	analytical results

BATTLE MOUNTAIN CANADA

Valley Property

Geochemistry Map - Bismuth, Cadmium & Copper

2.16950

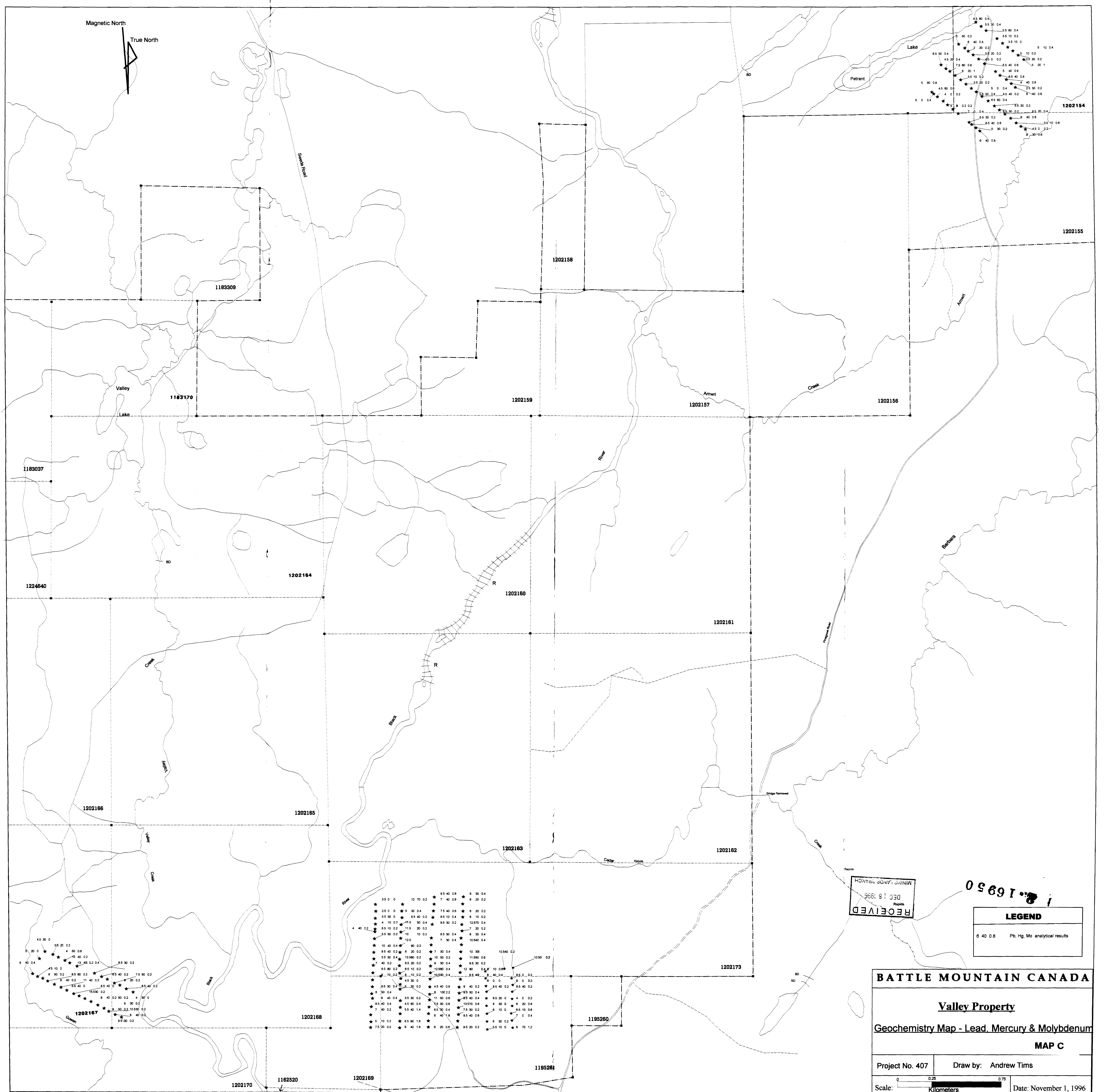
Project No. 407 Draw by: Andrew Tims

Scale: 0 0.25 0.75 Kilometers

Date: November 1, 1996

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DEC 18 1996
MINING LANDS BRANCH

Magnetic North
True North



RECEIVED
MINING LANDS BRANCH
REGINA
DEC 18 1996

18.1950

LEGEND
6 40 08 Pb, Hg, Mo analytical results

BATTLE MOUNTAIN CANADA

Valley Property

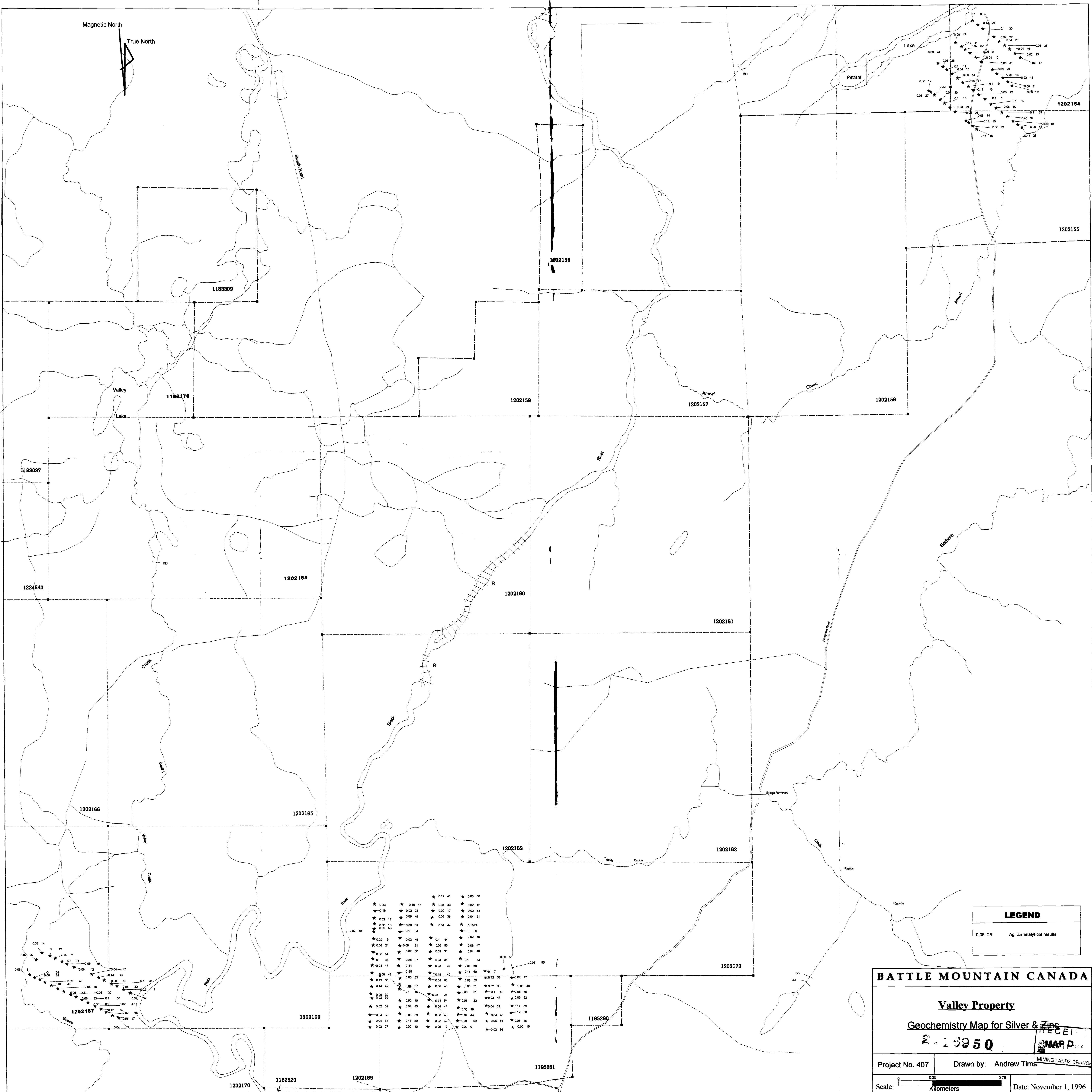
Geochemistry Map - Lead, Mercury & Molybdenum

MAP C

Project No. 407	Draw by: Andrew Tims
Scale: 0 0.25 0.75 Kilometers	
Date: November 1, 1996	



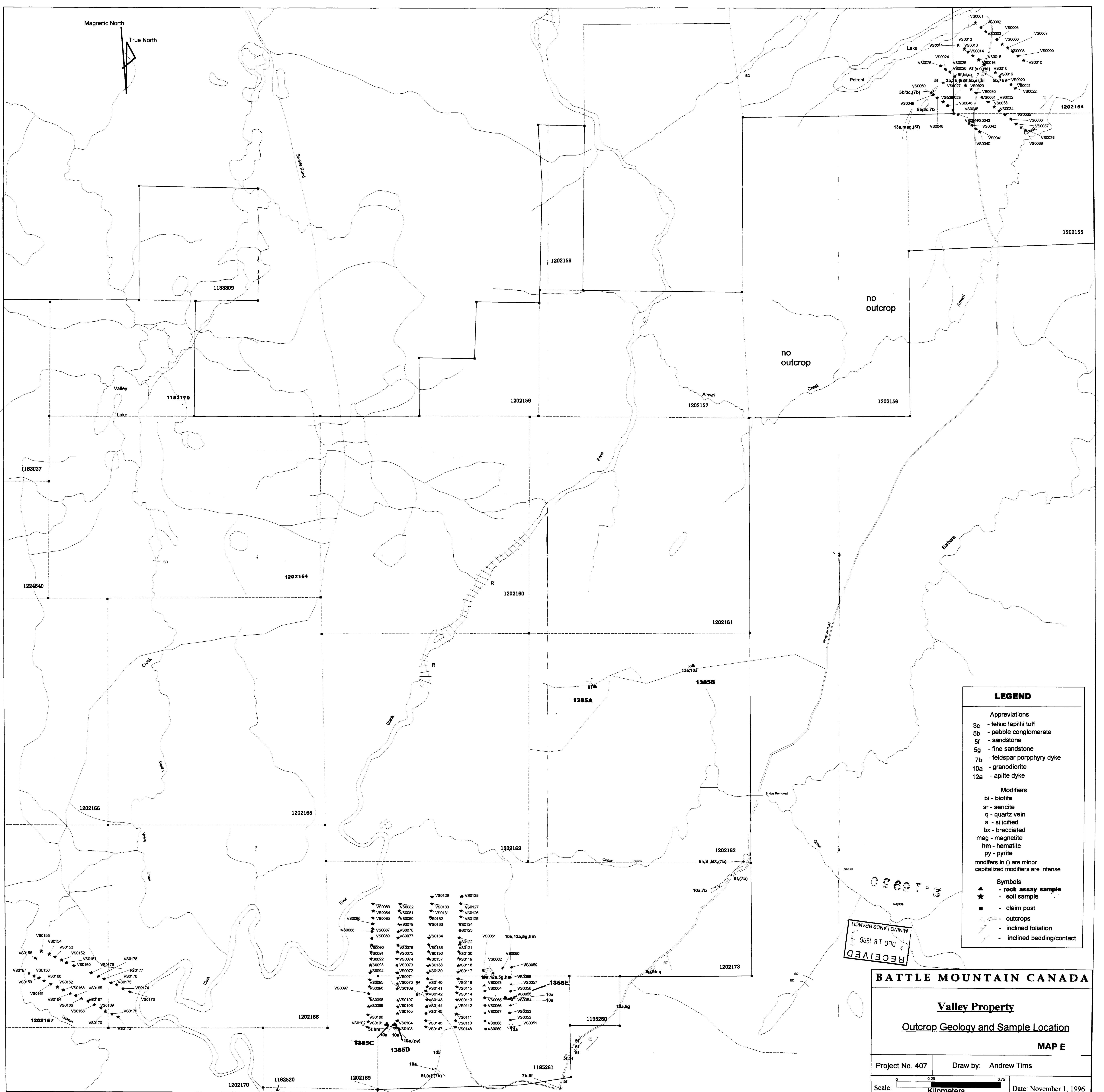
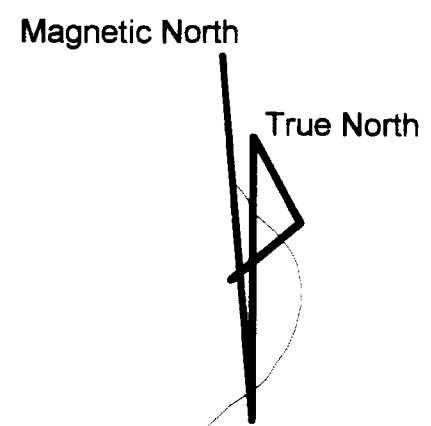
Magnetic North
True North



LEGEND
0.06 25 Ag, Zn analytical results

BATTLE MOUNTAIN CANADA
Valley Property
Geochemistry Map for Silver & Zinc
2-13950
Project No. 407 Drawn by: Andrew Tims
Scale: 0 0.25 0.75 Kilometers Date: November 1, 1996

* 0.33	* 0.18 17	* 0.12 41	* 0.06 38
* 0.18	* 0.02 23	* 0.04 49	* 0.02 42
* 0.08 12	* 0.08 49	* 0.02 17	* 0.02 34
* 0.06 15 33	* 0.06 38	* 0.06 38	* 0.04 61
* 0.06 15 33	* 0.04 44	* 0.18 42	
* 0.1 34	* 0.1 34	* 0.39	
* 0.02 15	* 0.02 45	* 0.1 44	* 0.02 55
* 0.08 21	* 0.08 31	* 0.08 55	* 0.06 47
* 0.08 54	* 0.02 60	* 0.02 38	* 0.04 49
* 0.43	* 0.28 37	* 0.04 35	* 0.1 74
* 0.04 17	* 0.31	* 0.08 37	* 0.06 58
* 0.08 43	* 0.08 22	* 0.18 40	* 0.18 80
* 0.12 38	* 0.04 60	* 0.06 55	* 0.12 52
* 0.14 42	* 0.04 57	* 0.08 49	* 0.02 53
* 0.1 75	* 0.1 75	* 0.06 51	* 0.06 45
* 0.02 39	* 0.02 19	* 0.08 21	* 0.02 47
* 0.02 39	* 0.04 45	* 0.04 44	* 0.06 52
* 0.04 39	* 0.04 45	* 0.04 44	* 0.04 52
* 0.04 39	* 0.08 53	* 0.08 40	* 0.32 48
* 0.04 34	* 0.18 39	* 0.02 38	* 0.04 40
* 0.02 27	* 0.02 40	* 0.06 12	* 0.02 0



LEGEND

Abbreviations

- 3c - felsic lapilli tuff
- 5b - pebble conglomerate
- 5f - sandstone
- 5g - fine sandstone
- 7b - feldspar porphyry dyke
- 10a - granodiorite
- 12a - apelite dyke

Modifiers

- bi - biotite
- sr - sericite
- q - quartz vein
- si - silicified
- bx - brecciated
- mag - magnetite
- hm - hematite
- py - pyrite

modifiers in () are minor
capitalized modifiers are intense

Symbols

- ★ - rock assay sample
- ☆ - soil sample
- - claim post
- - outcrops
- - inclined foliation
- - inclined bedding/contact

RECEIVED
DEC 18 1996
MINING LANDS BRANCH

BATTLE MOUNTAIN CANADA

Valley Property

Outcrop Geology and Sample Location

MAP E

Project No. 407	Draw by: Andrew Tims
Scale: 0 0.25 0.75 Kilometers	Date: November 1, 1996