

HEMLO GOLD MINES INC.

MARN PROPERTY

1996 EXPLORATION PROGRAM

DAWSON MINING DISTRICT

N.T.S.: 116B/07

64°29'N

138°48'W

TOMBSTONE RIVER AREA, YUKON TERRITORY

**GEOLOGY, GEOCHEMISTRY, GEOPHYSICS
AND TRENCHING**

**G. Bidwell
November, 1996**



093561

This has been examined by
Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 3600.

M. Bush
for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

093561

LINE 1

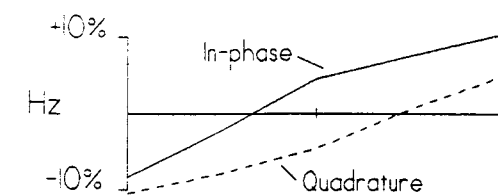
LINE 2

50 E 75 E 100 E 125 E 150 E

50 E 75 E 100 E 125 E 150 E 175 E

220 Hz

Maxmin

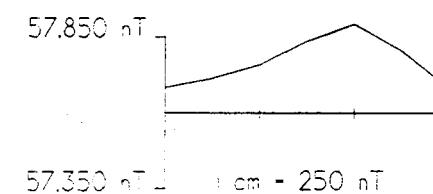


1 cm = 10% Hz

1760 Hz

7040 Hz

Magnetics



0 metres 50

LINE 1

LINE 2

BATTLE MOUNTAIN CANADA LTD.

MARN PROPERTY

HLEM & Magnetic Field
Stacked Profiles - Showing

MINING DISTRICT: DAWSON

NTS: 1:6 B 7 SCALE: 1:1000

OPERATOR: M.P. / R.K.

AMEROK GEOSCIENCES LTD.

DATE: 27 JUL 96

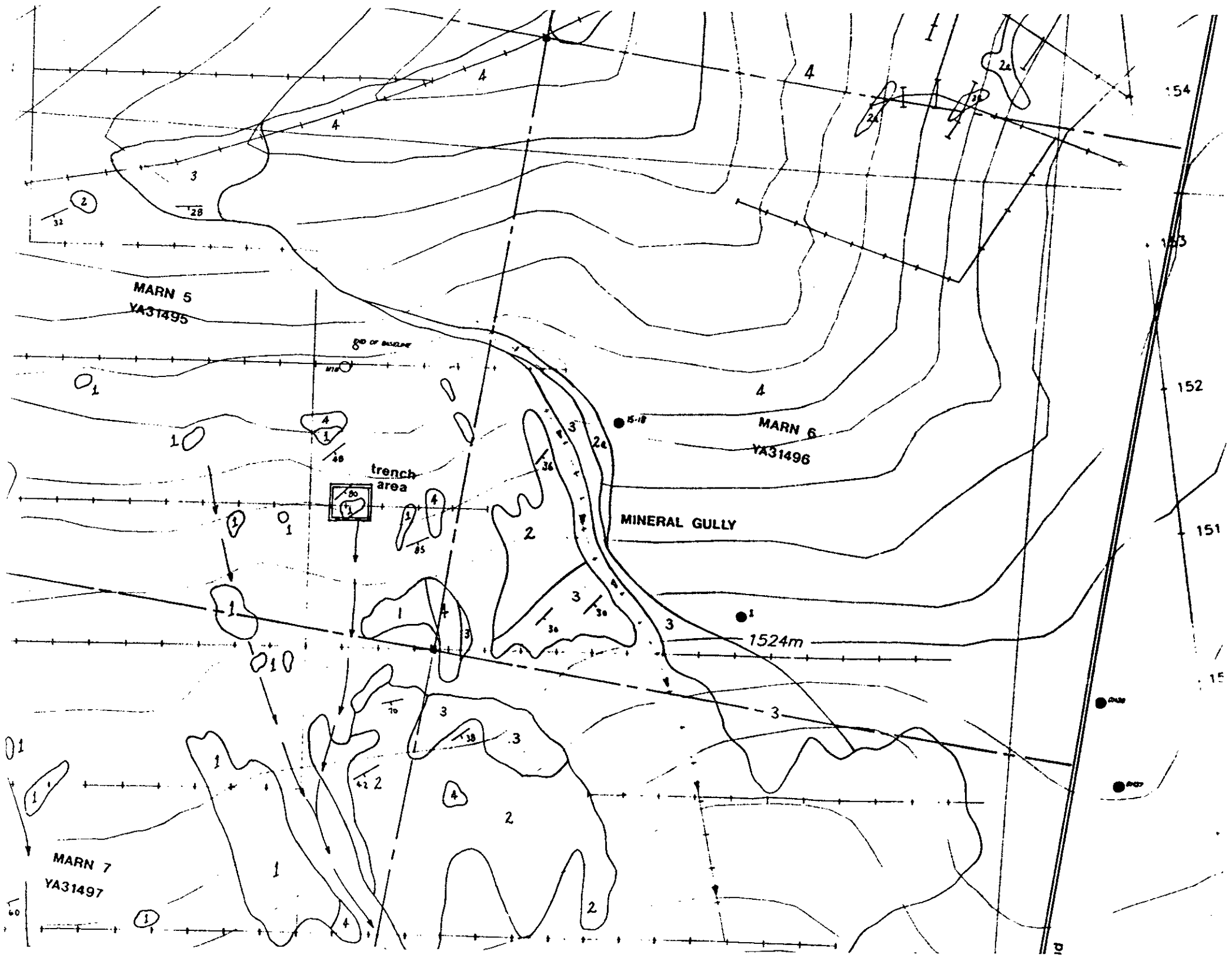


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1.0 SUMMARY

The following report summarizes the geological, geochemical and geophysical surveys and trenching carried out by Hemlo Gold Mines Inc./Battle Mountain Canada Ltd. on its Marn Property in the Tombstone River area, northeast of Dawson City, Yukon. The work was carried out on the property from July 9 to July 24, 1996. Funding for the work was provided by Mountain View Ventures Inc. with an option to earn-in an interest in the property.

The aim of the program was to re-evaluate the property as a whole, looking at the Mini-Grid and Mineral Gully Zones as well as the prospective area in between. Most of the 1978-82 work was in diamond drilling with the bulk of it on the Mini-Grid Zone. The emphasis in 1996 was on geological mapping/prospecting, geophysics (mag & EM) and talus geochemistry in an overall review. The original proposal planned that this work would then be followed up by diamond drilling on the most prospective targets.

The field program basically confirmed that the Mini-Grid and Mineral Gully zones were the best targets on the eight claims now encompassing the property. Many of the areas that earlier had had only sporadic coverage were very rugged and in places truly inaccessible. However traverses directly up gullies with short side lines gave adequate analysis. The geophysical surveys were restricted to the southern and western portions of the property. None of the surveys revealed any obvious potentially large gold targets.

Following receipt of all the results the program was reviewed with the funding partner. Due to the lack of any obvious new targets and the lateness of the season no additional work was undertaken in 1996. It must be mentioned however that the Mini-Grid Zone has not been completely defined and additional drilling could increase the resource which presently stands at 250,000 to 300,000 tons at an average grade of 0.29 ^{opt}gpt gold, 0.70 opt silver and 1.0% copper.

2.0 LOCATION AND ACCESS

The Marn 1-8 claims are located 55 kilometers NNE of Dawson City, Yukon on mapsheet N.T.S. 116B/7. They are situated in the western portion of the Tombstone Range, part of the Ogilvie Mountains, at latitude 64°29'N and longitude 138°49'W. The property is all above timberline and elevations range from 1300 to 1900 meters above sea level. A small lake at the south end of the claim block (locally called Scoville Lake) drains into Fireweed Creek and then into the Chandindu River.

Access to the property is by helicopter. A Bell 206 B supplied by Fireweed Helicopters out of Dawson City was used on a casual basis. Km 49 on the Dempster Highway, 29 km to the east, was used for mobilization and demobilization of the camp.

3.0 OWNERSHIP AND CLAIM STATUS

The property consists of 8 contiguous claims registered with the Dawson Mining Recorder. The claims were staked by Mattagami Lake Mines on July 29, 1978. In the intervening years the claims have been transferred to Noranda Exploration Company, Limited and more recently to Hemlo Gold Mines Inc.

<u>CLAIM NAME</u>	<u>GRANT NUMBER</u>	<u>EXPIRY DATE *</u>
MARN 1	YA0031491	JANUARY 4, 1997*
MARN 2	YA0031492	JANUARY 4, 1997*
MARN 3	YA0031493	JANUARY 4, 1997*
MARN 4	YA0031494	JANUARY 4, 1997*
MARN 5	YA0031495	JANUARY 4, 1999*
MARN 6	YA0031496	JANUARY 4, 1999*
MARN 7	YA0031497	JANUARY 4, 1999*
MARN 8	YA0031498	JANUARY 4, 2001*

* An additional 36 claim years (4 or 5 years/claim) is being applied as a result of the trenching undertaken in 1996.

By an agreement dated June 30, 1996 Mountain View Ventures Inc. acquired an option on the Marn property from Hemlo Gold Mines Inc. The agreement calls for exploration expenditures of \$1.5 million over 5 years to acquire a 50% interest in the property.

The Marn claims are located 3 km north of an area currently withdrawn from mineral staking and under consideration for a territorial park. In the past few years there has been considerable discussion among the various territorial political parties, the First Nations group in Dawson City and Yukon environmental groups over the size of the proposed park and the actual area it will encompass. It is conceivable that the park may be extended to include the area surrounding the Marn claims.

YUKON TERRITORY

PROJECT LOCATION MAP

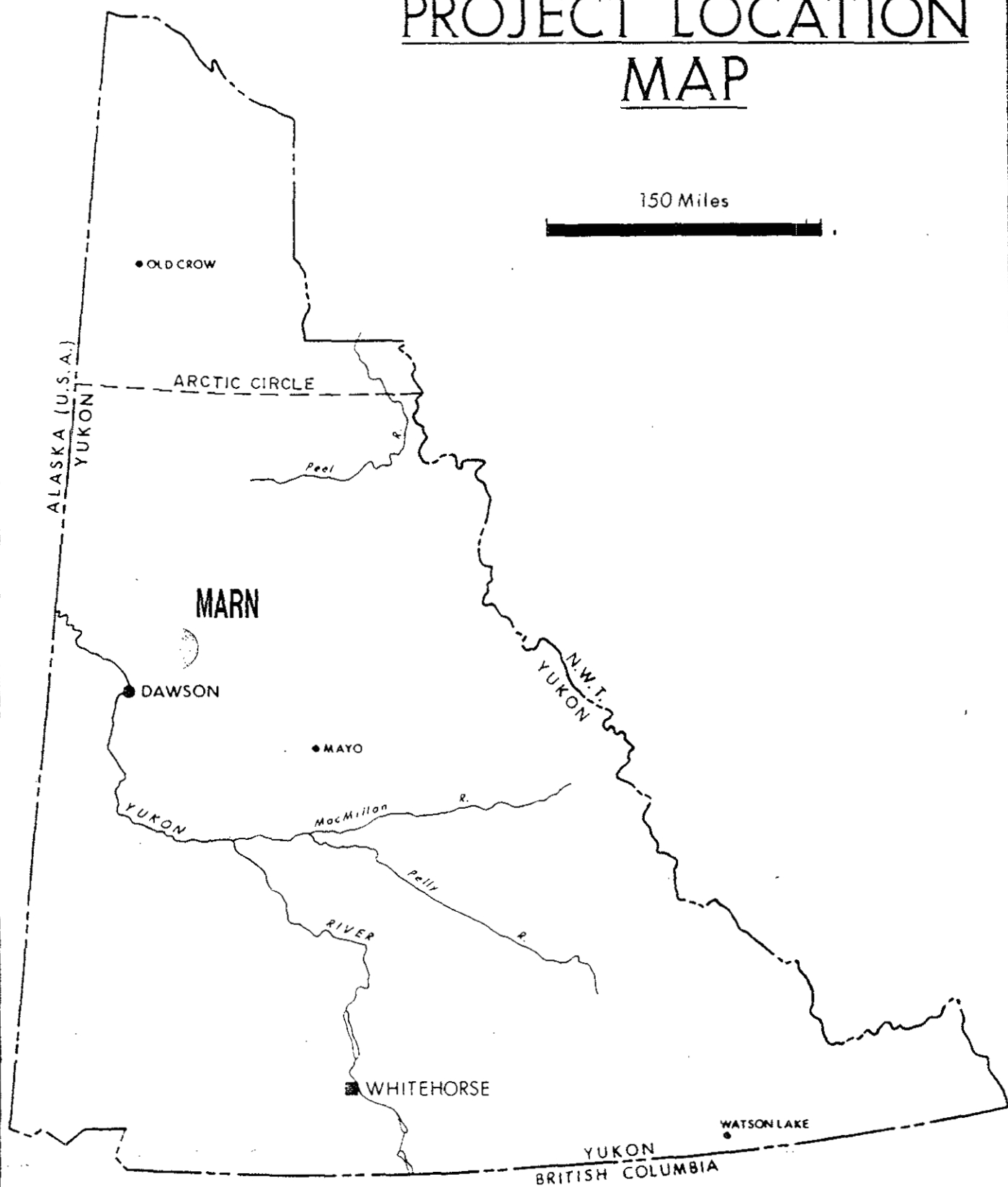
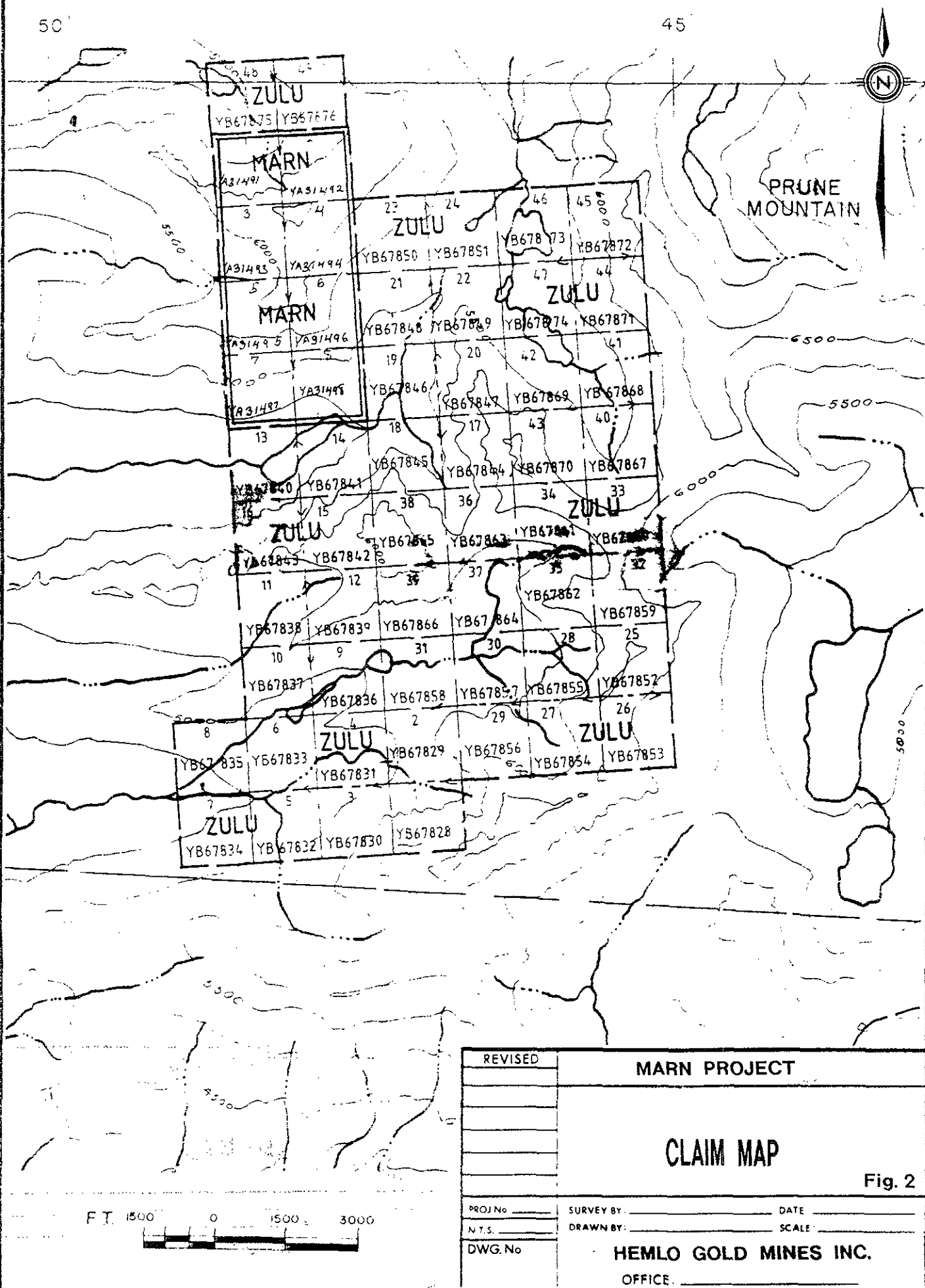


Fig. 1

50

45



4.0 HISTORY

The bulk of the work on the Marn claims has been concentrated in the Marn 1-8 area although at the height of exploration in the early to mid 1980's up to 108 claims were held.

A summary of work carried out is as follows:

- 1978: Prospecting, staking, geological mapping.
- 1979: Mapping, further staking, RADEM, C.E.M. and MAG surveys.
- 1980: Topographic Survey, Drilling (1004 meters in 9 holes) in Mineral Gully and Mini-Grid areas, further staking, expanded geophysical surveys, mapping and prospecting on southern claims.
- 1981: Continued drilling in Mineral Gully and Mini-Grid (999 meters in 17 holes). Pre-feasibility study completed.
- 1982: Prospecting and mapping outside of claims and further mapping on the south claims. Preliminary metallurgical work.
- 1983: Continued drilling in Mini-Grid (13 holes totalling 1617 meters).
- 1985: Geological mapping and CSMAT survey in Mt. Brenner Valley area followed by two drill holes totalling 867 meters.

In all a total of 41 holes (4487 meters) have been drilled on the prospect. Approximately half the drilling has been on the Mini-Grid Zone and most of the remainder in the general area of Mineral Gully and Scoville Lake. The two 1985 holes in Mt. Brenner Valley is the only drilling essentially removed from the vicinity of the original showings.

5.0 REGIONAL GEOLOGY

In general the Marn claims are located along the western portion of the Tombstone area within the much larger Selwyn Basin. The Tombstone area comprises a relatively complete succession of Mesozoic and Paleozoic sediments. Tempelman-Kluit (1970) suggests that the Mesozoic sequence of rocks in the Tombstone area were part of a belt of deposition extending to the Keno Hill area. The Tombstone River-Keno Hill belt also appears to be a homotaxial equivalent of the Kandik Formation found north of the Tintina Trench in eastern Alaska and south of the Trench in the form of the Tofty segment. His studies also suggest that the Kandik and Tofty segments formed a complete depositional basin with the Tombstone-Keno Hill belt.

Structural styles in the area of the Marn claims are the result of two periods of deformation. One, pre-Permian before deposition of the Tahkandit Formation and affecting mainly the Road River Formation, and the other, a late early Cretaceous period of thrust faulting which completely dominates the Tombstone area.

The Tombstone area has been intruded by two large stocks of monzonite-syenite composition. These are the Tombstone Stock and the smaller Mt. Brenner Stock. The Marn claims are associated with the latter. The stocks, dated at 92 MY, are part of a belt of Cretaceous granitic plutons occurring north of the Tintina Fault from central Alaska to southeastern Yukon.

Intrusion of these stocks throughout the Tombstone area is post deformational as the stocks sharply truncate many of the large scale structural features such as the Spotted Fawn Gulch Thrust and the McIntyre Thrust (Tempelman-Kluit, 1970).

6.0 PROPERTY GEOLOGY

The Marn claims cover part of the northwest contact of the Mount Brenner stock with three sedimentary units:

- Unit 1: Ordovician-Silurian Road River Formation which consists largely of black chert and cherty shales and the Devonian "Black Clastic" Formation comprised mainly of shale and argillite;
- Unit 2: Permian Tahkandit limestone with skarnified equivalents;
- Unit 3: Jurassic "Lower Schist" Formation, a sequence of quartzite and slate.

The bulk of Unit 1 is the Devonian "Black Clastic" or Earn Group. It is a rusty weathering sequence of argillaceous quartzites, shales and chert pebble conglomerates. Locally present in the underlying Road River Formation of shale and chert.

The Permian aged Tahkandit limestone is the major host of the skarn mineralization. Prior work (Brown, 1985) indicates this unit has a maximum thickness of 35 meters with three divisions: an upper massive limestone up to 17 meters with minor chert lenses, a middle limestone with 7 meters of interbedded black chert; and a lower limestone with detrital chert beds and lenses. On the Marn claims the limestone has undergone recrystallization and skarnification. Two types of skarn were recognized by Brown: an early barren, wollastonite and gossular-bearing skarn and a sulphide-rich pyroxene skarn which contains pyrrhotite, chalcopyrite and gold-bearing mineralization.

Unit 3, locally referred to as a Jurassic "schist" or lower schist is a thick section (up to 500 meters) of slate, greywacke and argillite. On the Marn claims the unit is represented by rusty weathering, fine grained, hornfelsed quartzite.

Intruding the sediments is a sill-like body (Unit 4) approximately 200 meters thick, extending northwestward from the main Mount Brenner stock. The prior drilling (1980-83) concluded the dominant rock type is biotite monzonite although multiple phases of injection were noted ranging from fine grained leucocratic dykes to dioritic material. Xenoliths or rafts of all three sedimentary formations are common within the sill, particularly in its central portion. A number of dykes also intrude the sediments in the Mineral Gully area.

In the general Marn area the sediment package has a NE-SW trend with 25-80° dips to the east (Thompson, 1992). In the southern portion of the claims (Mineral Gully area) this same strike persists although dips are quite variable due to proximity of the intrusive and its disruptive nature. The monzonite sill is reasonably conformable to the sediments .

Northwest trending faults are recognized in the Mineral Gully area along present creek gullies and may have provided at least partial control for the mineralization in the vicinity.

7.0 MINERALIZATION

Two areas have been primarily explored on the Marn claims. The "Mini-Grid" area is at the north end of the property where 23 drill holes between 1980 and 1983 developed a resource of 300,000 tons grading 0.29 opt gold and 1.5% copper. The Mineral Gully area, just to the north of Scoville Lake at the south end of the claim block has had up to 14 ppm Au in talus float but 7 drill holes failed to intersect significant values.

The Mini-Grid zone is located in a sedimentary inlier within and near the top of the main monzonite sill. Drilling has outlined a zone 50 meters x 200 meters along a northwest trend. The only exposure of the mineralization is at the southeast end in the two original discovery trenches with 5.0 meters grading 0.29 opt Au, 0.92 opt Ag and 2.47% copper. The drilling indicates the mineralization is hosted in the Tahkandit limestone or in a calcareous unit of the Devonian "Blastic Clastic Unit". The mineralization is up to 15 meters thick but more usually in the 5 to 8 meter range. The potential for additional mineralization is somewhat limited although does exist, particularly to the northwest.

The Mineral Gully area is located on the south facing slope to the north of Scoville Lake. Dark green pyroxene skarn is exposed over 200 meters in the upper part where the gully deeply dissects the hillside close to the southwest boundary of the monzonite sill. Four drill holes, from a single drill pad, tested this area and received only trace gold values (2.9 meters of 1 gpt Au). Two of three other drill holes to the southeast along the intrusive contact did intersect skarn but had no gold values. Talus float of pyroxene skarn in the gully has up to 14 gpt gold.

8.0 1996 PROGRAM

8.1 Introduction

A 16 day field program was undertaken by up to 8 personnel on the Marn Property in the period July 9-24, 1996. Fieldwork consisted of gridding, geological mapping and prospecting, rock and soil geochemical sampling and Max-Min and magnetic surveys. The program was originally intended to cover most of the block of 8 claims but steep topography limited systematic grid coverage to 50% of the property and another 30% was accessed where possible. Although better coverage was intended the work provided adequate information to evaluate the near surface potential.

Statistics for the program:

- 7.1 km gridding
- 3.2 km gully traverses
- 40 rock samples
- 363 soil samples
- 4 silt samples
- 4.7 km Max-Min
- 5.6 km magnetic survey

The purpose of the program was to systematically assess the area south of the Mini-Grid Zone for 1.2 km to the Mineral Gully area. Prior reports indicated only sporadic coverage in the vicinity but it seemed to have the best potential for additional mineralization. The main hindrance in this area is the steep topography with many sections of the monzonite forming pinnacles and are truly inaccessible. A grid, with section lines at 100 meter intervals and stations at 25 meter intervals, was installed and soils collected. In the steep areas traverses were run up the gullies with short side lines to obtain adequate geochemical coverage.

8.2 Geology (Figure 3)

Geological mapping and prospecting indicates much of the area between the Mini-Grid and Mineral Gully areas to be underlain by monzonite although large boulder fields and talus slopes cover bedrock in the West Bowl, the southeast corner of the claim block and at lower elevations. There are numerous small xenoliths or rafts of sediments within the monzonite sill in the central ridge area but where exposed they are very limited in size (few meters x few tens of meters) with probable limited tonnage potential. However this does not negate a possibility of mineralization along the bottom contact of the main sill body. Mapping and prospecting in the Mineral Gully area shows the Mineral Gully itself to have the best surface mineralization along the intrusive/limestone contact. The remainder of the area is predominantly chert and quartzite which can be quite rusty but this is due to fine disseminated pyrrhotite and no sign of economic values.

With the exception of a single 1.0 gm gold/ton sample from a small xenolith along the main ridge all other rocks assaying greater than 1 gm came from the Mineral Gully area. Four grab samples from the gully assayed 10.6, 1.3, 4.3 and 3.6 gpt gold and a 1.5 meter chip ran 5.2 gpt gold. These results are comparable with prior sampling of pyroxene skarn with pyrrhotite and chalcopyrite. No new showings with tonnage potential were located.

8.3 Geochemistry (Figures 4, 5 and 6)

The 1996 gold soil results confirmed the Mineral Gully area in the southern portion of the property as having elevated gold. A traverse up the gully consistently gave results of ½ - 1 gpt gold in talus fines. Bismuth and copper were also anomalous in the gully but the arsenic does not correlate with gold. The remainder of the grid and gully traverses gave only sporadic elevated gold assays, and these are presumably related to small skarn xenoliths or rafts within the main monzonite sill. The main hope of the program was that the bottom contact of the intrusive sill would be geochemically anomalous or large mineralized xenoliths within the sill could be located. Such was not the case. Overall bismuth in the soils correlates very well with the gold, the copper less so, and arsenic not at all.

8.4 Geophysics (Figures 7, 8, 9 and 10)

The Max-Min and magnetic surveys were restricted to the Mineral Gully and West Bowl areas due to the topography. Two test lines were also conducted over the showing on the Mini-Grid zone. Both mag and EM anomalies were obtained on the Mini-Grid zone although due to the very rugged terrain and consequently short lines no interpretation can be made.

The most interesting anomaly detected in the HLEM survey was at 15100N/10025E with a northeast strike and an uncertain dip. Multiple EM anomalies are also probably present on line 15000N.

See Appendix III for a detailed review of the geophysical program.

8.5 Trenching (Figure 11)

As a follow-up to the Max-Min anomaly at 15100N/10025E trenching was undertaken at the location. The anomaly is located at the bottom of a wide creek cut. Minor bedrock was exposed and consisted of faintly banded, fine grained, dark grey quartzite with a slightly rusty appearance. Trenching was undertaken to extend the exposure to the east in the direction of the EM conductor. Six man-days of hand trenching and sampling was carried out. The results, as shown on Figure 11, were inconclusive. Bedrock could not be reached at the center of the creek cut and assay results to the west gave only background gold levels.

9.0 CONCLUSIONS

Overall the program did not reveal any new targets worthy of a follow-up drill program. The best gold results came from the Mineral Gully area which has already received seven drill holes. Spotty gold assays elsewhere indicate erratic gold mainly associated with small blocks within the monzonite sill and little potential to generate a significant tonnage potential.

However it should be noted that due to the rugged terrain and very limited exposure a large portion of the bottom contact of the main monzonite sill is still unexplored. In retrospect it probably would have been more enlightening to undertake an airborne geophysical survey than to carry out the ground program.

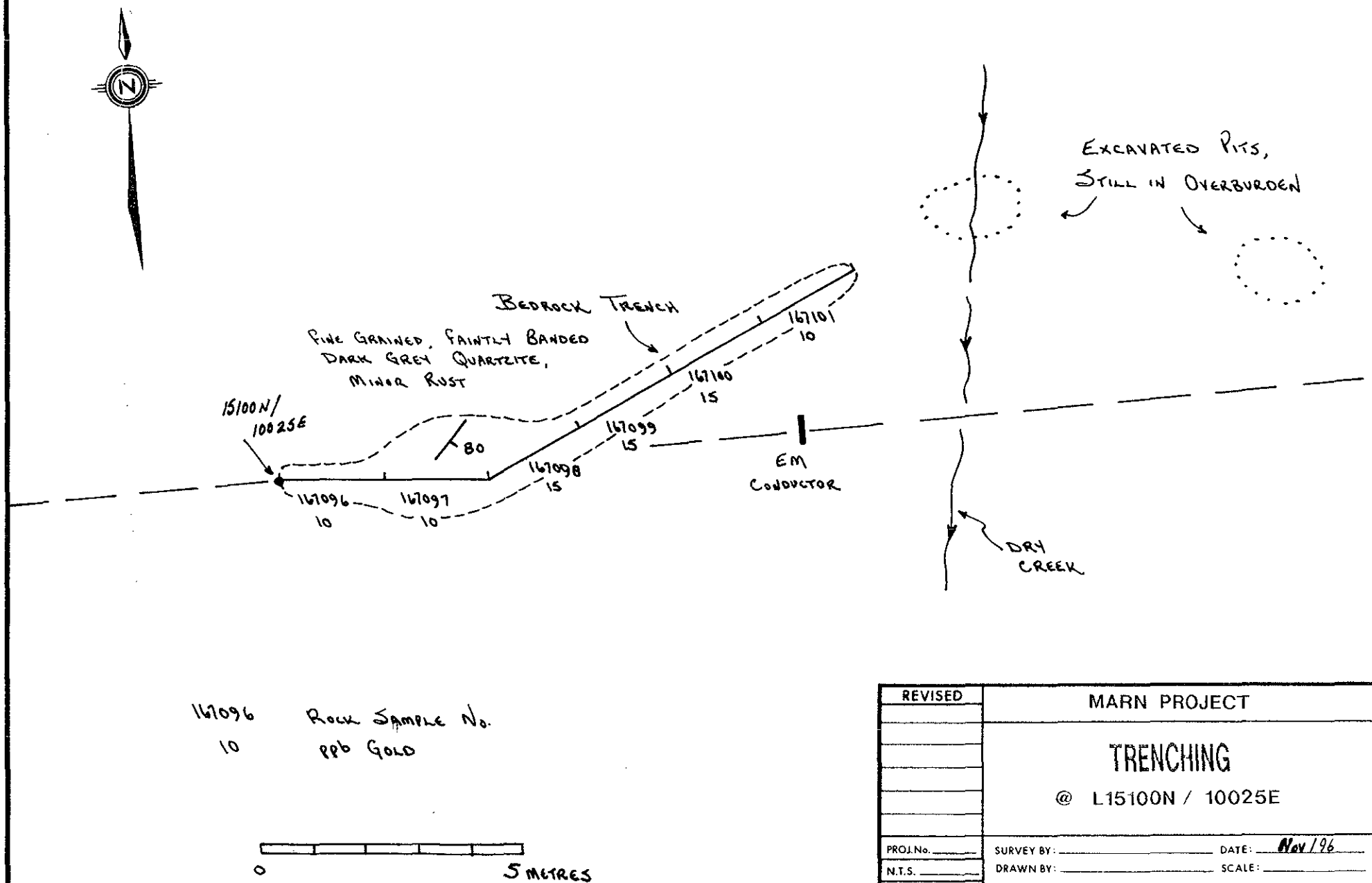


FIGURE 11

REVISED	MARN PROJECT	
	TRENCHING	
	@ L15100N / 10025E	
PROJ. No. _____	SURVEY BY: _____	DATE: <u>Nov/96</u>
N.T.S. _____	DRAWN BY: _____	SCALE: _____
DWG. No. _____	BATTLE MOUNTAIN CANADA LTD.	

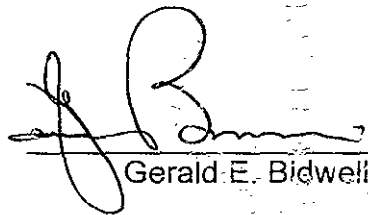
10. BIBLIOGRAPHY

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- Tempelman-Kluit, D.J., 1969. Geology, Tombstone-Upper Klondike River, Yukon Territory. G.S.C. Map 1248A to accompany G.S.C. Bulletin 180.
- Thompson, R.I. et al, 1992. Geology of Dawson Map-Area (116B, C). G.S.C. Open File 2849, Scale 1:50,000.

STATEMENT OF QUALIFICATIONS

I, Gerald E. Bidwell hereby certify that:

1. I received a B.A. degree in Geology from the University of Saskatchewan, Saskatoon in 1967 and have been involved in mineral exploration continuously since that time.
2. I reside at 5186 - 4th Avenue, Delta, B.C., V4K 1C3.
3. I have been employed by Hemlo Gold Mines Inc. since January, 1995.
4. I am a member in good standing of the Geological Association of Canada.
5. I supervised the work carried out on the property described in this report.



Gerald E. Bidwell

November 1996

STATEMENT OF COSTS

I, Gerald Bidwell, of Delta, B.C., do hereby certify that the following expenditures were incurred with regard to work done on the Marn Property during the period July 9 to 24, 1996:

Salaries:

Geologist: \$350.00/man day x 2 days	700.00
Assistant: \$125.00/man day x 2 men x 2 days	500.00

Camp Costs:

\$186.00/manday x 6 man days	1,116.00
------------------------------	----------

Transportation:

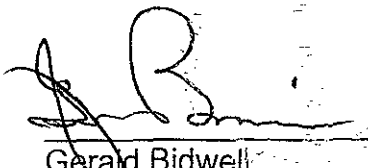
\$248.00/man day x 6 man days	1,488.00
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Assays:

\$20.00/rock sample x 6 rock samples	<u>120.00</u>
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TOTAL	\$3,924.00
-------	------------




Gerald Bidwell
Senior Geologist
Battle Mountain Canada Ltd.

APPENDIX I

ROCK SAMPLE DESCRIPTIONS

LAB: CEMENT

PROJECT #: 211

PROPERTY: MARK

NTS: 1165/01 GRID REFERENCE: MA10

DATE: July 18/96

GRID

[illegible]

LAB:

PROJECT #: M/1000

PROPERTY:

NTS:

GRID REFERENCE:

DATE: July 18, 1976

GRID

SAMPLE#	DESCRIPTION	TYPE	WIDTH	ASSAY REQUEST	COORDINATES	SAMPLER
10.1	millie 1 cut 15/25/30 skarn	grab	-	32 ECE 100	14910N/10280E	"
051	1% Calc/Silic in zone S.	grab		"	15060N/10200E	"
052	millie 1 cut 15/25/30 skarn	comp grab		"	15085N/10195E	"
053	Rusty Calc Silic breccia/magnetite	comp grab		"	15100N/10194E	"
054	As above, less Py, TCHL SUPH =	"		"	15010N/10240E	"
055	SKARNIFIED RX - Py to 2%	"		"	15120N/10190E	"
056	Py to 35% in Karostic, Considerable	chip	1.5 m	"	15122N/10185E	"
057	6-20% cpy in + calcant skarn	grab		"	15122N/10185E	"
058	Rusty Fine grd Skarn	comp grab		"	15225N/10130E	"
059	Rusty SKARN No Sulphides	"		"	15500N/10190E	"
060	Rusty skarn xeno in Q diorite	"		"	15520N/10315E	"
061	Rusty magnetite skarn xeno in Q.D	"		"	15520N/10315E	"
062	Rusty skarn xeno in Q.D			"	15520N/10315E	"
063						

LAB: CACMEX

PROJECT #: 217

PROPERTY: MARN

NTS: 1168/17

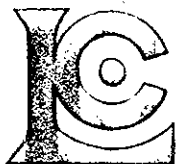
GRID REFERENCE:

DATE: July 21

GRID

SAMPLE#	DESCRIPTION	TYPE	WIDTH	ASSAY REQUEST	COORDINATES	SAMPLER
167084	Dark flint, 2% conc. pyrite	appt	—		15320N/09820E	GB
167085	quartzite, cont. 2-5% fine sulphide	appt	—		15440N/10155E	"
167086	iron ore in disc. 2-5% fine sulphide	chip	0.1m		15450N/10180E	"
167087	agglomerate, minor scandale - 1/2" to 1/4"	chip	0.4m		15485N/10200E	"
167088	1% pyrite in quartzite No size	comp appt	—		15550N/10205E	"
167089	quartzite, minor scandale	chip	0-2m		15553N/10206E	"
167090	" " " "	"	2-4m		15556N/10207E	"
167091	" " " "	"	4-6m		15559N/10208E	"
167092	" " " "	"	6-8m		15561N/10209E	"
167093	" " " "	"	8-10m		15563N/10210E	"
167094	" " " "	"	10-12m		15565N/10210E	"
167095	faintly banded dk grey quartzite minor rust	"	2.0 m		15100N/10026E	GB
167096	" " " "	"	"		15100N/10026E	"
167097	" " " "	"	"		15100N/10028E	"
167098	" " " "	"	"		15100N/10030E	"
167099	" " " "	"	"		15101N/10032E	"
167100	" " " "	"	"		15102N/10034E	"
167101	" " " "	"	"		15103N/10035E	"
167102	massive pyroxene disc. chert + black chert	appt	—		15835N/10485E	"

APPENDIX II
ROCK & SOIL ANALYSES



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

A9625935

Comments: ATTN: GERRY BIDWELL

CERTIFICATE

A9625935

(NOK) - BATTLE MOUNTAIN CANADA

Project: MARN
P.O. #: 1917

Samples submitted to our lab in Vancouver, BC.
This report was printed on 9-AUG-96.

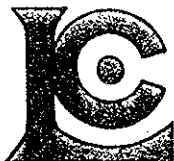
SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	21	Geochem ring to approx 150 mesh
226	21	0-3 Kg crush and split
3202	21	Rock - save entire reject
229	21	ICP - AQ Digestion charge

* NOTE 1:
The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	21	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
997	1	Au g/t: 1 assay ton, grav.	FA-GRAVIMETRIC	0.07	1000.0
2118	21	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	21	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	21	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	21	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	21	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	21	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	21	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	21	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	21	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	21	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	21	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	21	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	21	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	21	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	21	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	21	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	21	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	21	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	21	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	21	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	21	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	21	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	21	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	21	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	21	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	21	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	21	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	21	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	21	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	21	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	21	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	21	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN: GERRY BIDWELL

Page Number : 1-A
Total Pages : 1
Certificate Date: 09-AUG-96
Invoice No. : 19625935
P.O. Number : 1917
Account : NOK

* PLEASE NOTE

MARN *167055*

CERTIFICATE OF ANALYSIS

A9625935

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
167051	205 226	15	-----	< 0.2	2.80	48	240	0.5	< 2	0.70	< 0.5	27	152	64	5.77	10	< 1	0.31	10	0.34
167052	205 226	200	-----	< 0.2	0.47	40	40	< 0.5	< 2	7.50	< 0.5	1	156	12	0.46	< 10	< 1	0.03	< 10	0.01
167053	205 226	>10000	10.63	35.0	0.11	< 2	10	< 0.5	Intf*	1.34	4.0	277	14	>10000	>15.00	< 10	< 1	< 0.01	< 10	0.01
167054	205 226	790	-----	1.0	0.12	2	< 10	< 0.5	22	5.35	< 0.5	120	30	2770	>15.00	< 10	< 1	< 0.01	10	< 0.01
167055	205 226	1310	-----	6.6	0.05	< 2	< 10	< 0.5	64	2.77	< 0.5	255	28	6290	>15.00	< 10	< 1	0.01	< 10	0.10
167056	205 226	4360	-----	< 0.2	0.10	8	< 10	< 0.5	38	7.72	< 0.5	38	35	874	8.18	10	< 1	< 0.01	< 10	< 0.01
167057	205 226	5270	-----	24.8	0.08	< 2	< 10	< 0.5	Intf*	1.94	2.5	169	40	>10000	11.95	< 10	< 1	< 0.01	< 10	0.03
167058	205 226	3590	-----	41.0	0.05	< 2	< 10	< 0.5	Intf*	1.56	2.0	19	17	>10000	5.11	< 10	< 1	< 0.01	< 10	0.05
167059	205 226	60	-----	3.6	0.19	22	< 10	< 0.5	6	3.47	< 0.5	19	34	3220	5.40	< 10	< 1	0.03	< 10	0.05
167060	205 226	90	-----	0.6	2.80	14	140	< 0.5	2	2.07	< 0.5	23	62	596	5.01	10	< 1	0.45	30	0.66
167061	205 226	15	-----	0.6	1.40	22	170	< 0.5	2	1.06	< 0.5	14	94	218	6.70	< 10	< 1	0.51	10	0.75
167062	205 226	20	-----	0.8	1.80	60	30	< 0.5	2	1.21	< 0.5	38	90	355	10.05	< 10	< 1	0.65	10	0.96
167063	205 226	< 5	-----	0.6	0.29	2	40	< 0.5	< 2	>15.00	< 0.5	7	7	30	7.19	< 10	< 1	0.04	10	4.40
167076	205 226	< 5	-----	< 0.2	0.08	2	< 10	< 0.5	< 2	1.01	< 0.5	4	16	34	1.66	< 10	< 1	< 0.01	< 10	0.07
167077	205 226	15	-----	0.6	4.01	< 2	220	< 0.5	2	3.35	< 0.5	37	19	252	4.00	< 10	< 1	0.06	20	0.30
167078	205 226	5	-----	< 0.2	4.59	40	120	0.5	< 2	3.70	< 0.5	71	293	178	6.19	10	< 1	0.88	60	5.86
167079	205 226	< 5	-----	0.8	6.34	16	70	0.5	2	4.25	< 0.5	67	398	305	8.21	30	< 1	1.54	60	2.83
167080	205 226	< 5	-----	< 0.2	1.71	32	90	< 0.5	< 2	1.63	< 0.5	18	119	62	2.89	< 10	< 1	0.20	30	0.35
167081	205 226	20	-----	0.4	6.10	90	50	0.5	< 2	3.66	< 0.5	52	187	333	5.63	10	< 1	0.45	10	0.58
167082	205 226	10	-----	< 0.2	2.94	14	110	0.5	6	4.86	< 0.5	13	92	1320	3.94	10	< 1	0.77	10	2.20
167083	205 226	< 5	-----	0.2	3.69	< 2	40	< 0.5	2	2.07	< 0.5	73	271	222	7.20	10	< 1	0.53	< 10	0.60

CERTIFICATION: _____

* INTERFERENCE: HIGH Cu on some Bi and P



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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British Columbia, Canada V7J 2C1

PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN

Comments: ATTN: GERRY BIDWELL

Page Number :1-B
Total Pages :1
Certificate Date: 09-AUG-96
Invoice No. :19625935
P.O. Number :1917
Account :NOK

* PLEASE NOTE

CERTIFICATE OF ANALYSIS

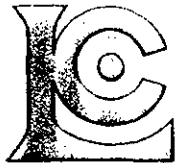
A9625935

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
167051	205 226	3730	< 1	0.01	73	1990	52	2	11	192	< 0.01	< 10	< 10	193	< 10	234
167052	205 226	95	< 1	0.04	12	1180	28	< 2	< 1	100	0.02	< 10	< 10	13	< 10	24
167053	205 226	215	< 1	< 0.01	64	Intf*	20	< 2	< 1	7	< 0.01	< 10	< 10	8	60	532
167054	205 226	365	< 1	< 0.01	7	230	10	< 2	< 1	59	0.01	< 10	< 10	5	20	16
167055	205 226	750	30	< 0.01	115	210	20	8	< 1	24	< 0.01	< 10	< 10	10	< 10	68
167056	205 226	520	< 1	< 0.01	13	280	8	< 2	< 1	18	< 0.01	< 10	< 10	5	50	12
167057	205 226	250	< 1	< 0.01	53	Intf*	16	< 2	< 1	7	< 0.01	< 10	< 10	8	< 10	310
167058	205 226	245	1	< 0.01	21	Intf*	10	< 2	< 1	4	< 0.01	< 10	< 10	2	760	264
167059	205 226	715	< 1	0.02	7	300	< 2	< 2	< 1	24	0.01	< 10	< 10	8	130	44
167060	205 226	170	3	0.21	23	2280	10	< 2	2	177	0.18	< 10	< 10	85	< 10	40
167061	205 226	185	11	0.11	19	1730	10	< 2	5	111	0.39	< 10	< 10	143	< 10	38
167062	205 226	285	3	0.14	44	2560	10	2	1	102	0.17	< 10	< 10	64	< 10	58
167063	205 226	2600	< 1	< 0.01	3	140	< 2	< 2	< 1	1020	< 0.01	< 10	< 10	6	< 10	18
167076	205 226	390	< 1	< 0.01	3	20	2	< 2	< 1	5	< 0.01	< 10	< 10	4	< 10	30
167077	205 226	200	6	0.13	30	580	60	< 2	< 1	642	0.03	< 10	< 10	3	< 10	14
167078	205 226	1120	< 1	0.14	296	5740	16	2	5	253	0.14	< 10	< 10	128	< 10	138
167079	205 226	230	3	0.28	229	4930	6	< 2	7	433	0.26	< 10	< 10	210	< 10	128
167080	205 226	310	< 1	0.17	19	1810	28	2	3	94	0.12	< 10	< 10	40	< 10	82
167081	205 226	140	1	0.68	119	1830	8	< 2	1	659	0.24	< 10	< 10	71	< 10	32
167082	205 226	615	< 1	0.12	16	1520	14	< 2	13	178	0.15	< 10	< 10	115	10	74
167083	205 226	240	< 1	0.23	245	760	10	2	4	102	0.33	< 10	< 10	104	< 10	64

CERTIFICATION:

Janet Buchler

* INTERFERENCE: HIGH Cu on some Bi and P



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

A9626011

Comments: ATTN:GERRY BIDWELL

CERTIFICATE

A9626011

(NOK) - BATTLE MOUNTAIN CANADA

Project: MARN
P.O.#: 1917

Samples submitted to our lab in Vancouver, BC.
This report was printed on 8-AUG-96.

SAMPLE PREPARATION

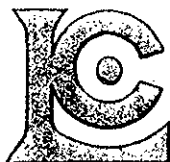
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	192	Dry, sieve to -80 mesh
202	192	save reject
229	192	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	192	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	192	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	192	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	192	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	192	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	192	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	192	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	192	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	192	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	192	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	192	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	192	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	192	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	192	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	192	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	192	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	192	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	192	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	192	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	192	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	192	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	192	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	192	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	192	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	192	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	192	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	192	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	192	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	192	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	192	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	192	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	192	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	192	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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British Columbia, Canada V7J 2C1
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To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN: GERRY BIDWELL

Page Number : 1-A
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Account : NOK

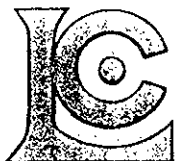
CERTIFICATE OF ANALYSIS

A9626011

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
14600N 10000E	201 202	< 5	0.2	1.78	28	600	0.5	< 2	2.00	0.5	19	30	52	3.50	< 10	< 1	0.23	10	0.73	400
14600N 10025E	201 202	< 5	0.2	2.20	30	520	0.5	< 2	1.52	1.5	21	41	74	4.69	< 10	< 1	0.33	10	0.84	305
14600N 10050E	201 202	< 5	0.6	2.71	72	350	1.5	< 2	1.46	1.5	25	85	159	6.28	< 10	< 1	0.29	20	0.83	520
14600N 10075E	201 202	15	0.6	2.41	66	330	1.0	< 2	0.84	1.0	25	90	181	7.10	< 10	< 1	0.30	20	0.64	610
14600N 10100E	201 202	< 5	0.6	2.52	72	320	1.5	< 2	1.16	1.5	24	76	119	5.74	< 10	< 1	0.30	10	0.76	615
14600N 10125E	201 202	70	0.2	2.25	50	320	1.0	2	1.04	0.5	18	86	170	5.95	< 10	< 1	0.20	10	0.81	765
14600N 10150E	201 202	65	0.6	2.36	64	330	1.0	< 2	1.27	1.0	22	88	237	6.10	< 10	< 1	0.29	10	0.84	720
14600N 10175E	201 202	25	0.4	2.32	64	280	1.0	< 2	1.11	0.5	20	73	138	5.54	< 10	< 1	0.27	10	0.81	555
14600N 10200E	201 202	10	0.6	2.23	64	250	1.0	< 2	1.17	0.5	14	77	104	5.38	< 10	< 1	0.31	10	0.79	365
14600N 10225E	201 202	15	0.4	2.19	74	270	1.0	< 2	0.87	0.5	15	73	110	5.33	< 10	< 1	0.25	10	0.72	355
14600N 10250E	201 202	15	0.6	2.36	98	280	1.0	< 2	1.45	1.0	19	79	121	5.18	< 10	< 1	0.21	10	0.79	515
14600N 10275E	201 202	190	0.4	2.11	60	250	0.5	4	1.51	0.5	27	49	365	4.47	< 10	< 1	0.15	10	0.76	650
14600N 10300E	201 202	90	0.2	1.56	42	160	0.5	2	1.93	< 0.5	13	26	103	2.36	< 10	< 1	0.06	10	0.34	400
14600N 10325E	201 202	220	0.8	2.23	68	320	0.5	8	1.70	0.5	37	49	655	5.67	< 10	< 1	0.17	20	0.86	820
147+00N 097+00E	201 202	20	1.0	3.62	102	500	2.0	< 2	0.27	0.5	7	87	212	9.46	10	< 1	0.56	10	0.62	265
147+00N 097+25E	201 202	15	0.2	2.93	68	400	1.5	< 2	0.35	< 0.5	19	49	196	5.22	< 10	< 1	0.41	10	0.86	690
147+00N 097+50E	201 202	5	0.2	2.90	78	480	1.5	< 2	0.37	0.5	22	59	103	4.89	< 10	< 1	0.49	10	0.88	985
147+00N 097+75E	201 202	< 5	0.2	2.53	52	270	1.0	< 2	0.19	< 0.5	11	48	86	4.14	< 10	< 1	0.17	10	0.54	435
147+00N 098+00E	201 202	< 5	0.2	2.28	90	340	0.5	< 2	0.13	< 0.5	19	53	143	7.84	< 10	< 1	0.25	< 10	0.50	1020
147+00N 098+25E	201 202	< 5	0.6	2.62	104	360	1.5	< 2	0.15	0.5	15	53	171	7.60	< 10	< 1	0.31	10	0.54	585
147+00N 098+50E	201 202	20	0.6	3.01	122	440	2.0	< 2	0.18	< 0.5	21	54	221	7.67	< 10	< 1	0.39	10	0.57	785
147+00N 098+75E	201 202	40	0.8	2.35	196	370	1.5	< 2	0.11	< 0.5	12	44	167	8.00	< 10	< 1	0.35	10	0.45	480
147+00N 099+00E	201 202	50	2.0	2.63	284	430	1.0	< 2	0.14	< 0.5	12	58	177	7.96	< 10	< 1	0.48	10	0.58	440
147+00N 099+25E	201 202	45	1.4	3.39	254	490	1.0	< 2	0.15	< 0.5	14	101	189	8.90	10	< 1	0.83	10	0.88	415
147+00N 099+50E	201 202	5	0.2	1.75	36	730	0.5	< 2	1.80	0.5	25	21	55	4.76	< 10	< 1	0.53	10	0.57	275
147+00N 099+75E	201 202	< 5	0.2	2.29	30	790	0.5	< 2	1.67	0.5	26	26	59	5.16	< 10	1	0.63	10	0.73	365
147+00N 100+00E	201 202	< 5	0.2	2.70	36	940	1.0	< 2	1.14	0.5	22	40	82	6.53	< 10	< 1	0.53	< 10	0.81	275
147+00N 100+25E	201 202	5	0.4	2.75	58	710	1.5	< 2	0.91	3.0	39	35	114	7.28	< 10	< 1	0.50	10	0.67	480
147+00N 100+50E	201 202	< 5	0.4	2.49	30	190	2.0	< 2	1.12	1.5	23	33	86	5.24	< 10	1	0.17	10	0.46	545
147+00N 100+75E	201 202	< 5	0.4	1.14	42	170	< 0.5	< 2	12.65	2.0	7	28	53	2.96	< 10	1	0.19	10	0.41	285
147+00N 101+00E	201 202	< 5	0.6	2.07	74	340	0.5	< 2	1.65	0.5	13	75	110	5.55	< 10	< 1	0.26	10	0.73	375
147+00N 101+25E	201 202	< 5	0.6	2.38	58	280	1.5	< 2	2.10	2.5	19	77	126	5.33	< 10	1	0.38	10	0.83	385
147+00N 101+50E	201 202	20	0.6	0.84	108	30	< 0.5	< 2	2.25	1.5	3	64	12	1.84	< 10	< 1	0.03	10	0.12	230
147+00N 101+75E	201 202	65	0.6	0.36	44	50	< 0.5	< 2	10.90	1.5	1	10	15	1.48	< 10	< 1	0.04	< 10	0.10	265
147+00N 102+00E	201 202	20	0.4	1.27	64	100	< 0.5	< 2	6.01	1.5	7	31	40	2.27	< 10	< 1	0.09	10	0.50	365
147+00N 102+25E	201 202	15	0.2	2.10	76	140	1.0	< 2	1.90	< 0.5	17	61	65	4.09	< 10	< 1	0.06	20	0.65	520
147+00N 102+50E	201 202	475	0.6	1.97	48	280	0.5	6	2.60	0.5	27	41	620	5.22	< 10	< 1	0.25	30	0.70	575
147+00N 102+75E	201 202	815	1.0	1.82	42	290	0.5	20	2.69	< 0.5	27	39	614	5.27	< 10	1	0.28	30	0.67	660
147+00N 103+00E	201 202	250	0.6	2.24	54	280	0.5	6	1.57	< 0.5	35	46	639	5.40	< 10	1	0.20	30	0.83	790
147+00N 103+25E	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION:

Hank Buckler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN:GERRY BIDWELL

Page Number :1-B
Total Pages :5
Certificate Date: 07-AUG-96
Invoice No. :19626011
P.O. Number :1917
Account :NOK

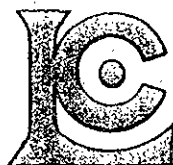
CERTIFICATE OF ANALYSIS

A9626011

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
14600N 10000E	201 202	1	0.01	38	1200	20	< 2	4	55	0.13	< 10	< 10	64	< 10	116
14600N 10025E	201 202	2	0.01	58	1540	24	< 2	5	69	0.17	< 10	< 10	86	< 10	238
14600N 10050E	201 202	5	0.03	80	1780	18	< 2	7	81	0.10	< 10	< 10	154	< 10	262
14600N 10075E	201 202	5	0.03	68	1740	12	< 2	7	62	0.08	< 10	< 10	132	< 10	182
14600N 10100E	201 202	6	0.03	73	1510	12	< 2	6	87	0.09	< 10	< 10	145	< 10	226
14600N 10125E	201 202	6	0.03	42	1320	12	< 2	6	79	0.12	< 10	< 10	144	< 10	210
14600N 10150E	201 202	7	0.03	70	1730	12	< 2	7	87	0.11	< 10	< 10	152	< 10	246
14600N 10175E	201 202	5	0.03	62	1620	18	< 2	6	92	0.11	< 10	< 10	135	< 10	214
14600N 10200E	201 202	5	0.05	54	1680	14	< 2	6	91	0.09	< 10	< 10	152	< 10	222
14600N 10225E	201 202	5	0.03	60	1540	18	< 2	6	77	0.09	< 10	< 10	139	< 10	200
14600N 10250E	201 202	4	0.04	63	1640	36	< 2	6	82	0.09	< 10	< 10	149	< 10	242
14600N 10275E	201 202	2	0.03	40	1710	14	< 2	5	117	0.08	< 10	< 10	73	< 10	116
14600N 10300E	201 202	1	0.06	18	800	8	< 2	2	123	0.04	< 10	< 10	43	< 10	56
14600N 10325E	201 202	2	0.03	38	1570	14	< 2	4	150	0.09	< 10	< 10	69	< 10	104
147+00N 097+00E	201 202	39	0.11	41	3520	22	< 2	7	193	0.09	< 10	< 10	215	< 10	202
147+00N 097+25E	201 202	12	0.03	48	1850	16	< 2	6	119	0.10	< 10	< 10	169	< 10	120
147+00N 097+50E	201 202	6	0.02	48	1460	14	< 2	6	98	0.11	< 10	< 10	114	< 10	162
147+00N 097+75E	201 202	6	0.02	37	980	16	< 2	3	51	0.07	< 10	< 10	109	< 10	106
147+00N 098+00E	201 202	6	0.01	35	1820	24	< 2	4	42	0.07	< 10	< 10	95	< 10	144
147+00N 098+25E	201 202	9	0.03	51	1610	30	< 2	5	69	0.08	< 10	< 10	113	< 10	186
147+00N 098+50E	201 202	12	0.03	73	2100	32	< 2	6	86	0.10	< 10	< 10	114	< 10	210
147+00N 098+75E	201 202	12	0.02	36	1630	118	< 2	5	53	0.08	< 10	< 10	110	< 10	194
147+00N 099+00E	201 202	10	0.03	30	1770	272	< 2	6	63	0.10	< 10	< 10	129	< 10	162
147+00N 099+25E	201 202	14	0.05	45	1800	116	< 2	8	90	0.17	< 10	< 10	201	< 10	182
147+00N 099+50E	201 202	3	0.03	40	1720	14	< 2	3	63	0.14	< 10	< 10	52	< 10	126
147+00N 099+75E	201 202	2	0.01	55	1460	10	< 2	5	72	0.22	< 10	< 10	64	< 10	188
147+00N 100+00E	201 202	6	0.01	50	1370	22	< 2	5	78	0.22	< 10	< 10	97	< 10	172
147+00N 100+25E	201 202	7	0.03	95	1590	18	< 2	5	69	0.18	< 10	< 10	98	< 10	398
147+00N 100+50E	201 202	4	0.01	91	1410	18	< 2	4	61	0.06	< 10	< 10	71	< 10	442
147+00N 100+75E	201 202	1	0.03	25	1240	42	< 2	2	144	0.04	< 10	< 10	54	< 10	140
147+00N 101+00E	201 202	5	0.03	47	1270	22	< 2	5	78	0.09	< 10	< 10	125	< 10	170
147+00N 101+25E	201 202	4	0.04	96	1480	22	< 2	6	95	0.09	< 10	< 10	158	< 10	340
147+00N 101+50E	201 202	< 1	0.03	25	1110	34	< 2	< 1	76	0.03	< 10	< 10	42	< 10	166
147+00N 101+75E	201 202	< 1	0.01	11	880	116	< 2	< 1	130	0.01	< 10	< 10	8	< 10	154
147+00N 102+00E	201 202	1	0.03	24	1440	102	< 2	2	96	0.04	< 10	< 10	43	< 10	190
147+00N 102+25E	201 202	3	0.03	46	2210	14	< 2	5	92	0.06	< 10	< 10	90	< 10	146
147+00N 102+50E	201 202	2	0.04	32	1810	14	< 2	4	146	0.10	< 10	< 10	59	< 10	90
147+00N 102+75E	201 202	2	0.03	30	1610	12	< 2	3	136	0.09	< 10	< 10	54	< 10	84
147+00N 103+00E	201 202	2	0.03	39	1410	14	< 2	4	143	0.10	< 10	< 10	65	< 10	96
147+00N 103+25E	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION:

11.09.96



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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To: BATTLE MOUNTAIN CANADA

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CERTIFICATE OF ANALYSIS

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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
147+00N 103+50E	201 202	300	0.2	1.82	36	350	0.5	2	2.00	0.5	22	38	429	4.32	< 10	< 1	0.17	30	0.71	560
147+00N 103+75E	201 202	20	0.2	3.46	30	560	1.5	< 2	1.11	< 0.5	24	37	113	4.23	< 10	< 1	0.36	50	1.04	775
147+00N 104+00E	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
147+00N 104+25E	201 202	< 5	< 0.2	1.97	16	560	< 0.5	< 2	0.72	< 0.5	17	30	120	3.83	< 10	1	0.88	60	0.87	335
148+00N 097+00E	201 202	15	0.8	3.91	42	230	1.5	< 2	0.26	0.5	7	93	138	9.28	10	< 1	0.91	10	0.75	245
148+00N 097+25E	201 202	5	0.6	3.89	76	160	2.5	< 2	0.15	0.5	6	89	188	12.40	10	< 1	0.65	20	0.48	215
148+00N 097+50E	201 202	20	0.6	3.09	200	580	1.5	< 2	0.14	0.5	15	73	153	7.54	< 10	< 1	0.45	10	0.68	330
148+00N 097+75E	201 202	35	0.6	3.19	174	460	1.5	< 2	0.32	< 0.5	22	61	180	6.60	< 10	< 1	0.38	20	0.73	585
148+00N 098+00E	201 202	20	0.6	3.79	230	470	1.5	< 2	0.37	< 0.5	13	86	172	8.39	10	< 1	0.70	20	0.95	555
148+00N 098+25E	201 202	40	0.8	2.20	226	370	1.0	< 2	0.12	< 0.5	12	43	152	7.07	< 10	< 1	0.42	10	0.54	960
148+00N 098+50E	201 202	25	0.4	2.27	110	200	0.5	< 2	0.10	< 0.5	13	44	116	6.62	< 10	< 1	0.15	10	0.42	490
148+00N 098+75E	201 202	40	0.8	2.31	142	320	0.5	< 2	0.11	< 0.5	20	43	190	7.72	< 10	< 1	0.32	10	0.50	635
148+00N 099+00E	201 202	105	1.2	3.36	252	460	1.0	< 2	0.11	< 0.5	5	93	165	8.74	10	< 1	0.71	10	0.88	400
148+00N 099+25E	201 202	25	0.8	2.96	216	880	1.0	< 2	0.23	< 0.5	26	61	156	6.76	< 10	< 1	0.58	10	0.82	450
148+00N 099+50E	201 202	70	0.4	3.48	68	1040	1.0	< 2	0.33	< 0.5	38	53	171	7.58	10	< 1	0.63	10	0.92	385
148+00N 099+75E	201 202	20	0.2	3.38	144	1400	0.5	< 2	0.25	< 0.5	20	38	141	9.97	10	1	1.00	< 10	1.07	335
148+00N 100+00E	201 202	< 5	0.8	0.72	44	70	< 0.5	< 2	< 0.01	0.5	3	23	160	>15.00	10	< 1	0.17	< 10	0.06	50
148+00N 100+25E	201 202	20	0.4	3.59	132	1780	0.5	< 2	0.63	0.5	41	47	93	7.10	10	< 1	0.93	10	1.41	495
148+00N 100+50E	201 202	30	1.0	2.76	158	550	1.0	< 2	0.89	0.5	18	117	162	7.60	< 10	< 1	0.51	10	1.04	485
148+00N 100+75E	201 202	< 5	0.2	0.70	18	60	< 0.5	< 2	4.84	0.5	5	11	18	1.09	< 10	1	0.04	10	0.19	185
148+00N 101+00E	201 202	< 5	< 0.2	0.38	8	50	< 0.5	< 2	13.90	< 0.5	2	6	10	0.40	< 10	< 1	0.03	10	0.40	165
148+00N 101+25E	201 202	20	0.6	0.42	44	60	< 0.5	< 2	11.30	1.5	2	12	21	1.90	< 10	< 1	0.04	< 10	0.12	225
148+00N 101+50E	201 202	5	0.2	0.59	38	80	< 0.5	< 2	13.60	1.5	4	11	26	1.24	< 10	< 1	0.07	< 10	0.26	325
148+00N 101+75E	201 202	< 5	0.2	0.84	38	70	< 0.5	< 2	8.60	1.0	5	20	30	1.44	< 10	< 1	0.05	10	0.27	440
148+00N 102+00E	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
148+00N 102+25E	201 202	10	0.2	1.74	58	140	0.5	< 2	6.19	1.0	16	37	66	3.41	< 10	< 1	0.19	10	0.48	485
148+00N 102+50E	201 202	< 5	< 0.2	0.53	12	50	< 0.5	< 2	2.14	< 0.5	3	16	26	0.88	< 10	< 1	0.04	10	0.17	225
148+00N 102+75E	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
148+00N 103+00E	201 202	340	0.6	1.98	44	300	0.5	6	1.77	0.5	28	44	563	5.15	< 10	< 1	0.22	30	0.73	710
149+00N 097+00N	201 202	25	0.8	4.23	36	170	2.0	< 2	0.18	0.5	8	97	137	11.00	10	1	1.04	10	0.66	235
149+00N 097+25N	201 202	10	0.8	3.47	36	350	2.0	< 2	0.12	0.5	6	79	154	9.00	10	< 1	0.57	10	0.52	215
149+00N 097+50N	201 202	< 5	1.0	4.10	54	100	2.5	< 2	0.08	0.5	4	105	218	>15.00	10	< 1	0.92	10	0.35	205
149+00N 097+75N	201 202	< 5	0.8	3.99	68	110	2.5	< 2	0.08	1.0	5	97	252	>15.00	10	1	0.72	10	0.37	180
149+00N 098+00N	201 202	< 5	0.6	2.89	270	440	1.5	< 2	0.15	< 0.5	12	99	106	6.24	< 10	1	0.58	10	0.98	285
149+00N 098+25N	201 202	< 5	0.4	2.70	446	330	1.0	< 2	0.07	< 0.5	3	85	120	9.26	< 10	< 1	0.63	10	0.62	180
149+00N 098+50N	201 202	30	1.6	3.17	328	480	1.0	< 2	0.10	< 0.5	4	92	144	8.53	10	1	0.55	10	0.80	225
149+00N 098+75N	201 202	10	0.8	3.08	62	210	1.5	< 2	0.10	< 0.5	3	107	163	8.38	10	1	0.50	10	0.75	200
149+00N 099+00N	201 202	25	1.0	3.42	96	360	1.5	< 2	0.13	< 0.5	7	82	152	8.42	10	1	0.54	10	0.74	255
149+00N 099+25N	201 202	50	0.6	4.66	126	230	1.5	< 2	0.12	< 0.5	7	193	99	7.83	10	1	1.28	10	1.66	410
149+00N 099+50N	201 202	20	0.2	2.66	18	580	0.5	< 2	0.03	< 0.5	3	216	34	4.73	10	1	1.36	10	1.54	440

CERTIFICATION:



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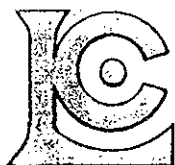
CERTIFICATE OF ANALYSIS

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SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
147+00N 103+50E	201 202	2	0.03	30	1460	12	< 2	3	123	0.10	< 10	< 10	55	10	74
147+00N 103+75E	201 202	4	0.03	27	1390	28	< 2	6	252	0.18	< 10	10	88	< 10	124
147+00N 104+00E	---	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
147+00N 104+25E	201 202	8	0.04	18	1340	10	< 2	3	91	0.14	< 10	10	75	< 10	78
148+00N 097+00E	201 202	18	0.10	37	2770	14	< 2	7	203	0.10	< 10	< 10	197	< 10	204
148+00N 097+25E	201 202	37	0.18	27	2840	24	2	8	252	0.08	< 10	< 10	287	< 10	186
148+00N 097+50E	201 202	11	0.06	46	1570	18	2	6	92	0.10	< 10	< 10	137	< 10	198
148+00N 097+75E	201 202	10	0.05	53	1730	26	2	6	128	0.10	< 10	< 10	135	< 10	184
148+00N 098+00E	201 202	11	0.07	40	1970	18	< 2	8	200	0.12	< 10	< 10	190	< 10	156
148+00N 098+25E	201 202	10	0.03	27	1890	58	< 2	5	63	0.08	< 10	< 10	117	< 10	128
148+00N 098+50E	201 202	5	0.01	37	1120	42	< 2	4	38	0.09	< 10	< 10	100	< 10	130
148+00N 098+75E	201 202	7	0.01	42	1280	38	2	5	51	0.10	< 10	< 10	96	< 10	168
148+00N 099+00E	201 202	13	0.05	24	1690	78	< 2	9	110	0.16	< 10	< 10	186	< 10	154
148+00N 099+25E	201 202	7	0.04	53	1630	142	< 2	6	73	0.15	< 10	< 10	112	< 10	178
148+00N 099+50E	201 202	6	0.01	86	1610	20	< 2	6	66	0.19	< 10	< 10	105	< 10	198
148+00N 099+75E	201 202	3	< 0.01	32	1920	26	< 2	7	42	0.37	< 10	< 10	104	< 10	144
148+00N 100+00E	201 202	14	< 0.01	3	6200	14	< 2	1	22	0.01	< 10	< 10	62	< 10	78
148+00N 100+25E	201 202	4	< 0.01	58	2220	28	< 2	6	78	0.31	< 10	< 10	107	< 10	194
148+00N 100+50E	201 202	7	0.03	50	1760	30	< 2	8	85	0.12	< 10	< 10	163	< 10	176
148+00N 100+75E	201 202	< 1	0.02	29	1020	28	< 2	< 1	123	0.01	< 10	< 10	13	< 10	124
148+00N 101+00E	201 202	< 1	0.01	15	800	16	< 2	< 1	129	< 0.01	< 10	< 10	5	< 10	60
148+00N 101+25E	201 202	< 1	0.01	11	800	92	< 2	< 1	150	0.01	< 10	< 10	10	< 10	158
148+00N 101+50E	201 202	< 1	0.02	14	880	92	< 2	< 1	138	0.01	< 10	< 10	16	< 10	140
148+00N 101+75E	201 202	< 1	0.05	16	1560	34	< 2	1	104	0.02	< 10	< 10	30	< 10	86
148+00N 102+00E	---	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
148+00N 102+25E	201 202	2	0.03	54	2200	10	< 2	3	132	0.05	< 10	< 10	61	< 10	140
148+00N 102+50E	201 202	1	0.02	11	990	10	< 2	1	45	0.01	< 10	< 10	20	< 10	52
148+00N 102+75E	---	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
148+00N 103+00E	201 202	2	0.03	33	1750	14	< 2	4	126	0.09	< 10	< 10	62	< 10	84
149+00N 097+00N	201 202	23	0.10	35	3930	12	< 2	7	230	0.12	< 10	< 10	204	< 10	180
149+00N 097+25N	201 202	29	0.10	39	2170	16	< 2	6	152	0.08	< 10	< 10	239	< 10	216
149+00N 097+50N	201 202	53	0.21	24	3550	22	2	8	202	0.06	< 10	< 10	296	< 10	248
149+00N 097+75N	201 202	60	0.23	22	3380	26	2	7	206	0.07	< 10	< 10	319	< 10	216
149+00N 098+00N	201 202	5	0.03	61	1010	10	< 2	8	73	0.13	< 10	< 10	149	< 10	154
149+00N 098+25N	201 202	40	0.12	22	1900	38	< 2	7	95	0.10	< 10	< 10	282	< 10	136
149+00N 098+50N	201 202	14	0.09	25	1300	202	2	8	101	0.11	< 10	< 10	189	< 10	132
149+00N 098+75N	201 202	28	0.10	21	1590	46	2	7	100	0.06	< 10	< 10	308	< 10	126
149+00N 099+00N	201 202	24	0.06	40	2210	32	< 2	7	94	0.11	< 10	< 10	203	< 10	196
149+00N 099+25N	201 202	7	0.08	37	1540	12	< 2	11	176	0.37	< 10	< 10	170	< 10	148
149+00N 099+50N	201 202	3	0.03	9	1200	4	< 2	16	85	0.33	< 10	< 10	211	< 10	128

CERTIFICATION:

Hunter Bidwell



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN:GERRY BIDWELL

Page Number :3-A
Total Pages :5
Certificate Date: 07-AUG-96
Invoice No. :19626011
P.O. Number :1917
Account :NOK

CERTIFICATE OF ANALYSIS

A9626011

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
149+00N 099+75E	201 202	35	0.6	3.76	38	460	0.5	< 2	0.21	< 0.5	3	129	116	6.90	10	< 1	0.92	20	1.18	425
149+00N 100+00E	201 202	15	0.6	2.18	62	210	0.5	< 2	0.21	< 0.5	9	63	89	12.10	< 10	< 1	0.68	10	0.68	235
15000N 09750E	201 202	25	0.6	3.43	20	320	1.5	< 2	0.18	< 0.5	10	60	109	8.81	< 10	< 1	0.58	10	0.63	205
15000N 09775E	201 202	20	1.0	3.43	32	220	2.0	< 2	0.11	< 0.5	5	88	116	9.67	10	< 1	0.79	10	0.63	160
15000N 09800E	201 202	20	0.6	2.60	68	240	1.5	< 2	0.36	1.0	9	83	68	4.50	< 10	< 1	0.22	10	0.70	330
15000N 09825E	201 202	5	0.4	2.53	46	280	1.0	< 2	0.76	0.5	12	111	67	4.36	< 10	< 1	0.18	10	0.98	370
15000N 09850E	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
15000N 09875E	201 202	15	0.2	2.46	64	430	0.5	< 2	0.07	< 0.5	5	82	125	6.21	10	< 1	0.68	10	0.97	235
15000N 09900E	201 202	20	0.2	2.81	102	590	0.5	< 2	0.04	< 0.5	4	108	84	6.13	< 10	< 1	0.84	10	1.01	225
15000N 09925E	201 202	5	0.2	2.71	40	280	1.5	< 2	0.74	< 0.5	13	79	69	4.12	< 10	< 1	0.35	10	0.93	325
15000N 09950E	201 202	< 5	0.2	2.91	98	350	1.5	< 2	0.39	0.5	25	97	137	5.44	< 10	< 1	0.67	10	0.96	405
15000N 09975E	201 202	< 5	0.6	2.94	40	250	1.5	< 2	0.60	1.0	10	108	104	5.68	< 10	< 1	0.31	10	0.99	305
15000N 10000E	201 202	< 5	0.4	2.33	40	220	1.0	< 2	1.16	0.5	10	96	73	4.99	< 10	< 1	0.15	10	0.84	455
15000N 100+25E	201 202	< 5	0.6	3.15	46	260	1.5	< 2	1.01	0.5	10	128	98	6.28	10	< 1	0.36	10	1.12	435
15000N 100+50E	201 202	20	0.6	3.04	28	230	0.5	< 2	0.18	< 0.5	6	76	180	6.03	< 10	< 1	0.58	10	0.92	205
15000N 100+75E	201 202	15	0.4	2.60	24	330	0.5	< 2	0.18	< 0.5	5	122	67	5.52	10	< 1	0.82	10	1.23	235
15000N 101+00E	201 202	30	0.4	2.87	508	390	0.5	< 2	0.18	< 0.5	5	80	114	7.06	10	< 1	0.94	10	1.10	305
15000N 101+25E	201 202	30	0.6	2.72	300	300	0.5	< 2	0.23	< 0.5	5	98	155	7.37	10	< 1	0.67	10	0.98	230
15000N 101+50E	201 202	10	< 0.2	0.90	18	60	< 0.5	< 2	7.70	0.5	5	22	56	2.56	< 10	< 1	0.09	30	0.49	405
15000N 101+75E	201 202	15	0.2	2.46	50	110	0.5	< 2	0.25	< 0.5	7	49	84	7.28	< 10	< 1	0.22	< 10	0.58	290
15000N 102+00E	201 202	< 5	< 0.2	0.75	10	70	< 0.5	< 2	6.31	< 0.5	3	21	15	1.18	< 10	< 1	0.04	10	0.50	275
15000N 102+25E	201 202	45	0.4	3.17	60	270	1.5	< 2	0.40	< 0.5	33	77	142	8.09	< 10	< 1	0.55	10	0.64	630
15000N 102+50E	201 202	1040	1.2	1.92	66	250	< 0.5	< 2	0.31	< 0.5	11	48	552	10.10	< 10	< 1	0.32	< 10	0.45	365
151+00N 097+00E	201 202	15	0.6	2.43	18	150	2.5	< 2	0.09	2.5	11	72	113	3.66	< 10	< 1	0.51	10	0.71	305
151+00N 097+25E	201 202	10	0.8	3.13	20	250	2.0	< 2	0.07	0.5	9	78	148	6.34	10	< 1	0.49	< 10	0.64	225
151+00N 097+50E	201 202	10	0.6	2.85	30	530	1.5	< 2	0.13	< 0.5	12	80	100	5.21	< 10	< 1	0.48	10	0.86	215
151+00N 097+75E	201 202	25	0.6	3.75	26	230	2.0	< 2	0.08	< 0.5	8	76	128	9.58	10	< 1	0.61	< 10	0.72	160
151+00N 098+00E	201 202	10	0.8	3.44	24	340	2.0	< 2	0.27	1.5	14	100	142	6.96	10	< 1	0.68	20	0.85	305
151+00N 098+25E	201 202	15	0.2	2.68	42	260	1.5	< 2	0.59	0.5	17	65	143	5.06	< 10	< 1	0.26	20	0.66	535
151+00N 098+50E	201 202	5	0.4	2.53	36	300	1.5	< 2	0.42	0.5	15	74	86	4.57	< 10	< 1	0.29	10	0.67	415
151+00N 098+75E	201 202	25	0.4	2.04	30	290	0.5	< 2	0.47	1.5	14	88	66	5.62	< 10	< 1	0.12	20	0.53	450
151+00N 099+00E	201 202	< 5	< 0.2	1.14	12	130	0.5	< 2	2.05	0.5	10	37	29	2.34	< 10	< 1	0.06	10	0.35	380
151+00N 099+25E	201 202	10	0.6	1.33	28	170	0.5	< 2	2.28	1.5	18	44	90	3.58	< 10	< 1	0.19	10	0.38	330
151+00N 099+50E	201 202	< 5	0.2	1.98	40	330	0.5	< 2	0.43	< 0.5	16	65	85	5.84	< 10	< 1	0.30	20	0.65	740
151+00N 099+75E	201 202	< 5	0.2	1.47	42	160	0.5	< 2	1.13	0.5	16	70	50	4.21	< 10	< 1	0.05	20	0.48	890
151+00N 100+00E	201 202	< 5	0.2	1.51	34	220	0.5	< 2	2.28	0.5	12	70	52	3.95	< 10	< 1	0.15	20	0.63	485
151+00N 100+25E	201 202	< 5	0.6	2.41	48	240	1.5	< 2	0.35	2.5	21	65	313	10.80	10	< 1	0.48	10	0.73	375
151+00N 100+50E	201 202	85	0.6	2.04	38	370	1.0	< 2	1.46	1.5	24	108	262	7.20	< 10	< 1	0.30	40	0.69	865
151+00N 100+75E	201 202	20	< 0.2	1.55	26	300	< 0.5	< 2	0.84	< 0.5	7	63	54	4.09	< 10	< 1	0.27	< 10	0.48	320
151+00N 101+00E	201 202	< 5	0.2	1.10	14	100	< 0.5	< 2	5.95	1.0	6	63	23	3.53	< 10	< 1	0.05	30	0.28	290

CERTIFICATION:

[Handwritten signature]



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN:GERRY BIDWELL

Page Number :3-B
Total Pages :5
Certificate Date: 07-AUG-96
Invoice No. :19626011
P.O. Number :1917
Account :NOK

CERTIFICATE OF ANALYSIS

A9626011

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
149+00N 099+75E	201 202	15	0.02	43	990	10	< 2	10	224	0.25	< 10	< 10	337	< 10	124
149+00N 100+00E	201 202	6	0.01	37	1290	12	< 2	7	69	0.18	< 10	< 10	145	< 10	196
15000N 09750E	201 202	21	0.06	47	3240	6	< 2	6	141	0.11	< 10	< 10	144	< 10	138
15000N 09775E	201 202	21	0.10	26	3490	10	2	8	109	0.12	< 10	< 10	179	< 10	118
15000N 09800E	201 202	6	0.03	47	1440	18	< 2	4	71	0.08	< 10	< 10	141	< 10	178
15000N 09825E	201 202	3	0.03	59	1160	12	2	8	76	0.10	< 10	< 10	143	< 10	168
15000N 09850E	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
15000N 09875E	201 202	4	< 0.01	16	1020	6	< 2	9	39	0.16	< 10	< 10	120	< 10	78
15000N 09900E	201 202	3	0.03	19	840	6	< 2	10	75	0.16	< 10	< 10	164	< 10	70
15000N 09925E	201 202	2	0.01	58	890	10	< 2	6	80	0.08	< 10	< 10	133	< 10	136
15000N 09950E	201 202	8	0.03	117	890	6	2	8	102	0.11	< 10	< 10	231	< 10	206
15000N 09975E	201 202	11	0.10	53	1230	8	< 2	8	142	0.11	< 10	< 10	272	< 10	176
15000N 10000E	201 202	8	0.08	42	1290	12	< 2	6	113	0.07	< 10	< 10	206	< 10	130
15000N 100+25E	201 202	10	0.11	46	1650	10	< 2	9	171	0.11	< 10	< 10	271	< 10	190
15000N 100+50E	201 202	6	0.01	34	1300	10	< 2	8	59	0.11	< 10	< 10	145	< 10	112
15000N 100+75E	201 202	1	0.03	22	1240	10	< 2	10	68	0.21	< 10	< 10	128	< 10	86
15000N 101+00E	201 202	6	0.01	23	1440	8	< 2	12	64	0.23	< 10	< 10	145	< 10	94
15000N 101+25E	201 202	8	< 0.01	33	1380	6	< 2	10	59	0.19	< 10	< 10	219	< 10	104
15000N 101+50E	201 202	< 1	0.03	22	3710	6	< 2	1	216	0.01	< 10	< 10	19	< 10	40
15000N 101+75E	201 202	1	< 0.01	18	1070	6	< 2	6	27	0.02	< 10	< 10	76	< 10	48
15000N 102+00E	201 202	< 1	0.02	11	1290	6	< 2	< 1	111	0.01	< 10	< 10	18	< 10	46
15000N 102+25E	201 202	3	0.04	76	1940	4	< 2	11	92	0.06	< 10	< 10	176	< 10	158
15000N 102+50E	201 202	3	< 0.01	22	1780	8	< 2	6	44	0.06	< 10	< 10	98	< 10	64
151+00N 097+00E	201 202	33	0.11	43	1140	12	< 2	5	100	0.04	< 10	< 10	380	< 10	200
151+00N 097+25E	201 202	21	0.06	45	1920	10	< 2	6	132	0.07	< 10	< 10	253	< 10	162
151+00N 097+50E	201 202	20	0.08	43	1750	10	2	5	100	0.08	< 10	< 10	161	< 10	112
151+00N 097+75E	201 202	7	0.08	31	4250	6	< 2	6	92	0.12	< 10	< 10	101	< 10	116
151+00N 098+00E	201 202	11	0.09	38	1870	12	< 2	8	176	0.11	< 10	< 10	222	< 10	152
151+00N 098+25E	201 202	4	0.03	41	1420	8	< 2	5	121	0.07	< 10	< 10	95	< 10	122
151+00N 098+50E	201 202	4	0.01	51	1040	14	< 2	6	56	0.04	< 10	< 10	95	< 10	150
151+00N 098+75E	201 202	7	< 0.01	45	1370	28	< 2	10	25	0.01	< 10	< 10	85	< 10	178
151+00N 099+00E	201 202	3	0.01	29	1090	10	< 2	3	71	0.01	< 10	< 10	40	< 10	76
151+00N 099+25E	201 202	2	0.02	66	1860	8	< 2	3	70	0.03	< 10	< 10	65	< 10	158
151+00N 099+50E	201 202	2	0.01	38	1410	8	< 2	5	59	0.09	< 10	< 10	99	< 10	128
151+00N 099+75E	201 202	1	0.01	42	2130	12	< 2	4	64	0.03	< 10	< 10	64	< 10	126
151+00N 100+00E	201 202	4	0.03	41	2260	8	< 2	3	92	0.06	< 10	< 10	106	< 10	118
151+00N 100+25E	201 202	15	0.06	54	1510	12	< 2	5	75	0.03	< 10	< 10	137	< 10	454
151+00N 100+50E	201 202	3	< 0.01	74	2970	16	< 2	9	50	0.07	< 10	< 10	128	< 10	286
151+00N 100+75E	201 202	6	0.01	18	2010	14	< 2	1	283	0.05	< 10	< 10	84	< 10	94
151+00N 101+00E	201 202	< 1	0.03	37	4200	10	< 2	2	124	0.01	< 10	< 10	37	< 10	82

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN:GERRY BIDWELL

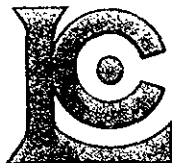
Page Number :4-A
Total Pages :5
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CERTIFICATE OF ANALYSIS

A9626011

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
151+00N 101+25E	201	202	10	< 0.2	1.52	14	210	0.5	< 2	2.01	< 0.5	7	57	18	2.08	< 10	< 1	0.03	30	1.48	520
15200N 09750E	201	202	15	0.4	2.96	26	460	1.5	< 2	0.26	0.5	10	72	124	6.44	< 10	< 1	0.55	30	0.74	315
15200N 09775E	201	202	15	0.6	3.51	22	440	2.0	< 2	0.19	0.5	21	82	139	6.66	10	1	0.74	40	0.86	375
15200N 09800E	201	202	50	0.8	3.21	44	260	1.5	< 2	0.47	2.5	16	93	407	7.59	< 10	1	0.67	10	0.70	295
15200N 09825E	201	202	15	0.8	2.16	38	190	1.0	< 2	0.42	< 0.5	11	54	83	3.85	< 10	< 1	0.11	10	0.35	590
15200N 09850E	201	202	10	0.2	3.12	44	270	1.5	< 2	0.34	< 0.5	17	86	106	5.31	< 10	1	0.24	10	0.74	610
15200N 09875E	201	202	5	0.6	1.34	24	210	0.5	< 2	0.11	< 0.5	6	51	62	5.75	< 10	< 1	0.18	20	0.24	165
15200N 09900E	201	202	< 5	0.2	1.68	18	160	0.5	< 2	5.20	1.5	23	36	54	3.06	< 10	< 1	0.08	10	0.51	525
15200N 09925E	201	202	20	0.6	3.54	38	570	2.5	< 2	0.97	1.5	67	64	475	10.25	< 10	1	0.33	50	0.57	1340
15200N 09950E	201	202	65	0.6	2.44	32	700	1.0	< 2	0.74	< 0.5	32	73	283	10.40	< 10	1	0.51	70	0.66	1860
15200N 09975E	201	202	15	0.6	2.65	28	600	0.5	< 2	0.39	< 0.5	15	86	110	6.23	< 10	< 1	0.56	10	0.79	335
15200N 100+00E	201	202	5	0.2	1.42	32	270	0.5	< 2	8.99	< 0.5	17	59	108	6.37	< 10	1	0.19	20	0.67	2550
15200N 100+25E	201	202	90	0.4	2.92	32	580	0.5	< 2	1.39	< 0.5	27	166	522	5.57	< 10	< 1	0.45	40	0.87	510
15200N 100+50E	201	202	25	< 0.2	2.48	42	570	0.5	< 2	4.39	< 0.5	16	341	307	5.09	< 10	< 1	0.42	80	0.83	470
15200N 100+75E	201	202	305	1.2	0.97	104	90	0.5	156	1.32	1.0	47	83	1780	>15.00	< 10	< 1	0.05	40	0.22	3140
15200N 101+00E	201	202	70	0.6	1.92	26	140	0.5	< 2	1.47	< 0.5	11	110	69	5.05	< 10	< 1	0.11	30	0.42	415
15200N 101+25E	201	202	140	0.4	1.73	34	230	1.0	4	1.32	< 0.5	43	37	1075	12.25	< 10	1	0.21	40	0.52	3050
15200N 101+50E	201	202	160	0.6	1.31	40	70	0.5	6	1.45	1.5	34	91	686	6.96	< 10	< 1	0.05	50	0.33	1225
15200N 101+75E	201	202	85	0.6	1.84	24	380	1.5	< 2	2.47	< 0.5	18	18	234	6.86	< 10	1	0.16	40	0.80	3440
15280N 09800E	201	202	20	< 0.2	2.37	12	340	0.5	< 2	1.01	< 0.5	18	39	85	4.18	< 10	1	0.09	30	0.53	495
15280N 09825E	201	202	30	0.2	1.54	58	80	1.5	< 2	1.82	< 0.5	34	47	431	6.07	< 10	< 1	0.04	40	0.57	1175
15280N 09850E	201	202	155	0.2	1.98	214	120	1.5	4	1.14	< 0.5	39	81	286	5.27	< 10	< 1	0.07	10	0.64	1115
15280N 09875E	201	202	< 5	0.4	3.41	18	570	1.0	< 2	0.22	0.5	23	79	104	6.18	< 10	< 1	0.64	10	0.90	875
15280N 09900E	201	202	< 5	0.4	3.05	22	450	0.5	< 2	0.13	< 0.5	12	56	118	8.43	< 10	1	0.44	< 10	0.75	565
15280N 09925E	201	202	< 5	0.6	2.97	48	340	0.5	< 2	0.11	< 0.5	5	126	119	11.75	< 10	< 1	0.45	< 10	0.56	180
15280N 09950E	201	202	< 5	< 0.2	3.06	20	1000	0.5	< 2	0.97	< 0.5	19	38	135	4.44	< 10	< 1	0.76	50	1.07	425
15280N 09975E	201	202	< 5	0.2	3.91	24	620	0.5	< 2	0.63	< 0.5	21	82	232	6.89	< 10	< 1	0.58	30	0.96	380
15280N 10000E	201	202	< 5	< 0.2	2.98	32	460	0.5	< 2	0.68	< 0.5	12	27	57	3.81	< 10	< 1	0.29	50	0.84	455
9800E 15300N	201	202	< 5	0.8	1.20	16	290	< 0.5	< 2	0.88	0.5	19	25	81	2.93	< 10	< 1	0.22	10	0.33	820
9800E 15325N	201	202	< 5	< 0.2	3.03	34	350	1.0	< 2	0.57	< 0.5	28	77	224	6.51	< 10	< 1	0.38	10	0.74	610
9800E 15350N	201	202	25	0.2	2.34	58	170	1.0	< 2	0.72	< 0.5	30	69	511	7.70	< 10	< 1	0.12	20	0.69	750
9800E 15375N	201	202	35	< 0.2	3.08	64	320	1.0	< 2	0.68	< 0.5	34	58	295	5.22	< 10	1	0.27	40	0.69	895
9800E 15400N	201	202	65	0.2	3.03	116	330	1.5	2	0.27	< 0.5	32	51	537	8.56	< 10	< 1	0.24	20	0.59	855
154+00N 098+25E	201	202	45	< 0.2	3.45	28	780	1.0	< 2	0.84	< 0.5	23	38	160	4.63	< 10	1	0.50	40	1.00	555
154+00N 098+50E	201	202	25	< 0.2	2.94	20	1000	0.5	< 2	0.65	< 0.5	19	34	129	4.60	< 10	< 1	0.58	40	1.04	535
154+00N 098+75E	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
154+00N 099+00E	201	202	< 5	< 0.2	1.19	8	250	< 0.5	< 2	0.14	< 0.5	4	18	23	2.00	< 10	< 1	0.20	10	0.36	105
154+00N 099+25E	201	202	25	< 0.2	2.42	14	550	0.5	< 2	0.84	< 0.5	17	23	80	2.72	< 10	< 1	0.36	50	0.66	290
154+00N 099+50E	201	202	< 5	< 0.2	2.39	10	320	0.5	< 2	0.49	< 0.5	7	20	50	2.43	< 10	< 1	0.18	30	0.64	170
154+00N 099+75E	201	202	< 5	< 0.2	1.21	8	120	< 0.5	< 2	0.17	< 0.5	4	16	35	1.63	< 10	< 1	0.11	20	0.28	95

CERTIFICATION: _____



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN:GERRY BIDWELL

Page Number :4-B
Total Pages :5
Certificate Date: 07-AUG-96
Invoice No. :19626011
P.O. Number :1917
Account :NOK

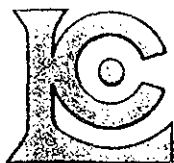
CERTIFICATE OF ANALYSIS

A9626011

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
151+00N 101+25E	201 202	1	0.03	31	4480	8	< 2	3	109	0.01	< 10	10	40	< 10	58
15200N 09750E	201 202	16	0.09	35	1500	12	< 2	5	171	0.10	< 10	< 10	192	< 10	124
15200N 09775E	201 202	9	0.07	49	1790	16	< 2	7	176	0.18	< 10	< 10	174	< 10	134
15200N 09800E	201 202	26	0.11	87	1720	28	2	6	274	0.06	< 10	10	251	< 10	330
15200N 09825E	201 202	4	0.01	28	2020	10	< 2	1	58	0.02	< 10	< 10	84	< 10	70
15200N 09850E	201 202	4	0.01	47	970	10	< 2	6	75	0.03	< 10	< 10	101	< 10	114
15200N 09875E	201 202	7	0.01	16	1140	18	< 2	7	15	0.01	< 10	< 10	65	< 10	88
15200N 09900E	201 202	4	0.01	67	1470	10	< 2	5	60	0.01	< 10	< 10	42	< 10	206
15200N 09925E	201 202	8	0.04	133	2900	8	< 2	5	75	0.08	< 10	< 10	78	< 10	266
15200N 09950E	201 202	7	0.01	56	2440	14	< 2	6	100	0.19	< 10	< 10	115	< 10	158
15200N 09975E	201 202	9	0.03	38	1720	12	< 2	7	108	0.14	< 10	< 10	125	< 10	124
15200N 100+00E	201 202	1	0.01	20	3590	10	< 2	3	137	0.06	< 10	< 10	64	< 10	102
15200N 100+25E	201 202	5	0.05	36	5050	12	< 2	6	158	0.14	< 10	10	107	< 10	94
15200N 100+50E	201 202	5	0.06	38	>10000	8	< 2	5	283	0.04	< 10	10	179	< 10	62
15200N 100+75E	201 202	4	< 0.01	40	3990	14	< 2	5	50	0.03	10	< 10	89	10	166
15200N 101+00E	201 202	1	0.03	33	7570	22	< 2	1	126	0.03	< 10	< 10	82	< 10	72
15200N 101+25E	201 202	3	< 0.01	24	3210	10	< 2	5	97	0.11	< 10	< 10	61	10	126
15200N 101+50E	201 202	2	< 0.01	28	1620	24	< 2	6	41	0.01	< 10	< 10	81	< 10	148
15200N 101+75E	201 202	< 1	0.01	17	1060	20	< 2	2	109	0.02	< 10	< 10	15	< 10	152
15280N 09800E	201 202	1	< 0.01	25	1340	12	< 2	3	156	0.09	< 10	< 10	58	< 10	66
15280N 09825E	201 202	< 1	0.04	44	3170	6	< 2	1	112	0.01	< 10	< 10	26	< 10	60
15280N 09850E	201 202	1	0.04	50	2710	12	< 2	4	106	0.01	< 10	10	58	< 10	80
15280N 09875E	201 202	3	0.04	38	1390	8	< 2	9	75	0.09	< 10	< 10	116	< 10	120
15280N 09900E	201 202	9	0.05	26	1230	10	< 2	7	55	0.06	< 10	< 10	85	< 10	96
15280N 09925E	201 202	11	0.06	13	1290	8	< 2	6	57	0.04	< 10	< 10	101	< 10	90
15280N 09950E	201 202	7	0.03	33	2160	12	< 2	4	176	0.29	< 10	10	96	< 10	88
15280N 09975E	201 202	8	0.01	49	2460	10	< 2	9	198	0.15	< 10	< 10	161	< 10	114
15280N 10000E	201 202	16	0.02	14	1690	24	< 2	3	131	0.18	< 10	10	71	< 10	88
9800E 15300N	201 202	3	0.01	16	2310	8	< 2	1	171	0.07	< 10	< 10	43	< 10	64
9800E 15325N	201 202	6	0.01	52	1000	10	< 2	6	182	0.16	< 10	< 10	219	< 10	138
9800E 15350N	201 202	1	0.03	36	1590	6	< 2	5	65	0.06	< 10	< 10	78	< 10	82
9800E 15375N	201 202	3	0.01	44	1780	10	< 2	6	85	0.07	< 10	< 10	91	< 10	116
9800E 15400N	201 202	3	0.03	45	1520	8	< 2	5	70	0.09	< 10	< 10	84	< 10	120
154+00N 098+25E	201 202	3	0.05	38	1930	12	< 2	5	168	0.21	< 10	< 10	85	< 10	106
154+00N 098+50E	201 202	1	0.02	26	1980	10	< 2	4	107	0.27	< 10	< 10	85	< 10	96
154+00N 098+75E	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
154+00N 099+00E	201 202	1	0.01	7	1090	6	< 2	1	32	0.12	< 10	< 10	44	< 10	30
154+00N 099+25E	201 202	3	0.04	23	2420	10	< 2	3	165	0.17	< 10	10	57	< 10	84
154+00N 099+50E	201 202	3	0.03	13	1170	12	< 2	3	156	0.09	< 10	< 10	43	< 10	48
154+00N 099+75E	201 202	3	0.02	9	1050	8	< 2	1	40	0.07	< 10	< 10	34	< 10	28

CERTIFICATION:

Frank Buchler



Chemex Labs Ltd.

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To: BATTLE MOUNTAIN CANADA

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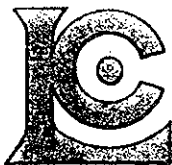
CERTIFICATE OF ANALYSIS

A9626011

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
154+00N 100+00E	201 202	< 5	< 0.2	2.28	24	210	0.5	< 2	0.52	< 0.5	8	23	112	2.44	< 10	< 1	0.16	30	0.54	210
154+00N 100+25E	201 202	< 5	< 0.2	4.18	16	310	2.0	2	1.58	< 0.5	15	23	55	3.34	10	< 1	0.27	60	0.93	545
154+00N 100+50E	201 202	< 5	< 0.2	1.81	14	140	< 0.5	< 2	0.18	< 0.5	5	22	45	2.27	< 10	< 1	0.14	30	0.34	110
155+00N 098+00E	201 202	< 5	< 0.2	2.83	8	440	0.5	< 2	0.74	< 0.5	15	26	76	3.20	< 10	< 1	0.24	40	0.71	405
155+00N 098+25E	201 202	< 5	< 0.2	1.65	6	140	< 0.5	< 2	0.19	< 0.5	4	19	33	1.92	< 10	< 1	0.09	20	0.29	95
155+00N 098+50E	201 202	20	< 0.2	4.10	12	450	2.0	< 2	1.04	< 0.5	16	24	175	3.23	10	< 1	0.22	50	0.99	430
155+00N 098+75E	201 202	40	< 0.2	3.17	20	400	1.5	< 2	0.97	< 0.5	12	22	99	2.72	< 10	< 1	0.20	40	0.65	325
155+00N 099+00E	201 202	35	< 0.2	2.62	34	490	0.5	< 2	0.65	< 0.5	14	22	88	2.75	< 10	< 1	0.27	40	0.66	360
155+00N 099+25E	201 202	< 5	< 0.2	1.50	16	150	< 0.5	< 2	0.18	< 0.5	5	23	53	2.13	< 10	< 1	0.10	10	0.37	110
155+00N 099+50E	201 202	< 5	< 0.2	2.19	6	220	0.5	2	0.31	0.5	7	23	69	2.33	< 10	< 1	0.12	30	0.43	155
155+00N 099+75E	201 202	20	< 0.2	3.49	24	690	0.5	2	1.06	< 0.5	26	51	175	4.33	< 10	< 1	0.41	40	1.12	485
155+00N 100+00E	201 202	95	0.2	3.95	152	690	1.0	8	1.11	< 0.5	44	67	437	5.52	10	< 1	0.44	30	1.27	485
155+00N 100+25E	201 202	320	0.2	4.08	126	710	1.0	2	0.92	< 0.5	41	54	352	5.11	10	< 1	0.38	30	1.12	590
155+00N 100+50E	201 202	60	< 0.2	3.56	126	720	1.0	6	1.23	< 0.5	32	46	297	4.66	< 10	< 1	0.38	40	1.11	420
155+00N 100+75E	201 202	130	0.2	3.63	496	540	1.0	6	1.67	< 0.5	70	54	469	5.86	10	< 1	0.43	50	1.23	580
155+00N 101+00E	201 202	20	0.6	3.23	196	630	0.5	2	0.70	< 0.5	27	78	445	7.69	< 10	< 1	0.63	30	1.20	260
155+00N 101+25E	201 202	15	0.6	3.10	148	440	0.5	4	0.70	< 0.5	36	50	543	6.28	< 10	< 1	0.35	30	0.80	355
155+00N 101+50E	201 202	30	0.6	3.38	118	430	0.5	2	0.77	< 0.5	30	49	551	6.67	< 10	< 1	0.35	30	0.83	260
155+00N 101+75E	201 202	10	0.4	3.73	80	580	0.5	2	0.63	< 0.5	48	103	487	9.20	< 10	< 1	0.67	30	0.93	460
155+00N 102+00E	201 202	45	4.0	3.61	52	620	0.5	2	0.65	< 0.5	25	54	858	6.26	< 10	< 1	0.48	20	0.82	330
15600N 09800E	201 202	< 5	< 0.2	3.32	34	540	0.5	< 2	0.39	< 0.5	16	35	51	3.42	10	< 1	0.19	10	0.78	390
15600N 09825E	201 202	< 5	< 0.2	2.98	16	650	0.5	2	0.43	< 0.5	16	33	68	3.36	< 10	< 1	0.23	30	0.81	385
15600N 09850E	201 202	< 5	< 0.2	3.33	20	960	0.5	< 2	0.59	0.5	19	42	72	3.90	10	< 1	0.41	30	1.03	500
15600N 09875E	201 202	< 5	< 0.2	3.40	22	820	1.0	< 2	0.74	< 0.5	25	44	78	4.53	10	< 1	0.38	40	1.24	520
15600N 09900E	201 202	10	< 0.2	3.43	8	820	0.5	< 2	0.50	< 0.5	19	43	73	3.55	< 10	< 1	0.30	20	0.94	385
15600N 09925E	201 202	5	< 0.2	4.04	8	1040	0.5	< 2	0.53	< 0.5	22	46	91	3.90	10	< 1	0.37	20	1.08	405
15600N 09950E	201 202	10	< 0.2	3.08	24	610	0.5	< 2	0.55	< 0.5	20	44	93	3.57	< 10	< 1	0.22	20	0.85	320
15600N 09975E	201 202	30	< 0.2	2.89	6	470	0.5	< 2	0.44	< 0.5	17	45	92	3.53	< 10	< 1	0.20	20	0.79	330
15600N 10000E	201 202	30	< 0.2	3.10	26	640	0.5	< 2	0.73	< 0.5	32	64	151	4.80	< 10	< 1	0.28	30	1.47	530
15600N 10025E	201 202	20	0.2	2.83	8	280	0.5	2	0.27	< 0.5	15	46	79	3.50	< 10	< 1	0.11	10	0.65	295
15600N 10050E	201 202	230	0.2	3.11	62	360	1.0	8	0.96	< 0.5	26	48	255	4.47	< 10	< 1	0.20	30	0.93	600
15600N 10075E	201 202	30	< 0.2	2.77	38	430	0.5	2	0.80	0.5	28	45	181	5.09	< 10	< 1	0.27	40	0.81	425
15600N 10100E	201 202	20	0.2	2.99	36	310	0.5	< 2	0.48	< 0.5	27	38	144	4.58	< 10	< 1	0.18	30	0.60	450
15600N 10125E	201 202	15	0.2	3.92	108	470	0.5	2	0.59	< 0.5	30	50	198	5.83	10	< 1	0.29	30	1.00	505
15600N 10150E	201 202	55	0.2	4.01	76	500	1.0	6	1.03	< 0.5	39	52	235	6.58	10	< 1	0.51	40	1.29	700
15600N 10175E	201 202	30	0.6	3.45	48	380	1.0	6	0.75	0.5	45	48	606	6.04	< 10	1	0.33	40	1.10	885
15600N 10200E	201 202	25	0.2	4.19	54	390	1.0	< 2	1.40	< 0.5	39	72	773	4.81	10	< 1	0.55	40	3.04	870
15600N 10216E	201 202	40	< 0.2	4.37	116	820	0.5	2	1.17	< 0.5	34	94	314	4.78	10	< 1	0.45	10	1.15	495

CERTIFICATION:

[Handwritten signature]



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SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
154+00N 100+00E	201 202	5	0.03	17	1340	6	< 2	3	108	0.10	< 10	< 10	48	< 10	60
154+00N 100+25E	201 202	1	0.01	16	2240	14	6	5	251	0.09	< 10	< 10	56	< 10	90
154+00N 100+50E	201 202	4	0.01	9	1520	12	< 2	2	47	0.11	< 10	< 10	45	< 10	38
155+00N 098+00E	201 202	2	0.03	20	1940	18	< 2	3	179	0.16	< 10	< 10	61	< 10	98
155+00N 098+25E	201 202	3	0.01	8	1120	8	< 2	1	45	0.08	< 10	< 10	37	< 10	32
155+00N 098+50E	201 202	1	0.03	16	1610	14	2	4	259	0.12	< 10	< 10	52	< 10	68
155+00N 098+75E	201 202	1	0.03	16	1760	12	< 2	3	256	0.11	< 10	< 10	49	< 10	66
155+00N 099+00E	201 202	1	0.01	19	2170	10	8	2	152	0.12	< 10	< 10	50	< 10	94
155+00N 099+25E	201 202	1	0.02	13	990	8	< 2	2	46	0.09	< 10	< 10	45	< 10	38
155+00N 099+50E	201 202	4	0.03	14	1280	8	< 2	2	73	0.10	< 10	< 10	47	< 10	48
155+00N 099+75E	201 202	1	0.04	56	2810	6	4	4	229	0.21	< 10	< 10	82	< 10	94
155+00N 100+00E	201 202	2	0.05	67	2800	8	4	6	261	0.21	< 10	< 10	94	< 10	106
155+00N 100+25E	201 202	3	0.05	53	2440	8	< 2	6	228	0.19	< 10	< 10	91	< 10	108
155+00N 100+50E	201 202	3	0.05	46	2730	12	< 2	5	277	0.18	< 10	< 10	80	< 10	94
155+00N 100+75E	201 202	4	0.04	72	4390	16	8	5	290	0.16	< 10	< 10	80	< 10	120
155+00N 101+00E	201 202	7	0.05	61	2520	14	< 2	4	173	0.22	< 10	< 10	84	10	78
155+00N 101+25E	201 202	6	0.03	66	2730	12	2	4	152	0.14	< 10	< 10	77	70	94
155+00N 101+50E	201 202	8	0.03	60	2760	20	2	4	187	0.14	< 10	< 10	82	50	80
155+00N 101+75E	201 202	8	0.08	79	2440	10	< 2	4	225	0.23	< 10	< 10	100	10	98
155+00N 102+00E	201 202	7	0.08	44	2380	14	6	4	237	0.19	< 10	< 10	111	140	72
15600N 09800E	201 202	< 1	0.01	21	1510	10	8	3	71	0.19	< 10	< 10	79	< 10	66
15600N 09825E	201 202	1	0.02	22	1550	14	< 2	3	87	0.20	< 10	< 10	77	< 10	74
15600N 09850E	201 202	1	0.02	26	1830	10	4	4	123	0.25	< 10	< 10	93	< 10	92
15600N 09875E	201 202	1	0.02	24	2360	16	6	5	151	0.25	< 10	< 10	104	< 10	94
15600N 09900E	201 202	1	0.03	27	1560	8	2	4	101	0.22	< 10	< 10	92	< 10	74
15600N 09925E	201 202	2	0.04	29	1570	10	< 2	4	137	0.26	< 10	< 10	104	< 10	82
15600N 09950E	201 202	1	0.04	39	1570	8	2	3	105	0.18	< 10	< 10	75	< 10	64
15600N 09975E	201 202	2	0.03	41	1750	8	< 2	3	80	0.15	< 10	< 10	70	< 10	66
15600N 10000E	201 202	1	0.04	91	2420	6	< 2	4	162	0.17	< 10	< 10	74	< 10	86
15600N 10025E	201 202	1	0.02	40	2040	10	6	2	70	0.09	< 10	< 10	62	< 10	54
15600N 10050E	201 202	< 1	0.05	51	2020	18	< 2	4	147	0.15	< 10	< 10	65	< 10	114
15600N 10075E	201 202	3	0.04	59	2710	12	< 2	4	165	0.15	< 10	< 10	72	< 10	88
15600N 10100E	201 202	4	0.04	36	1810	16	2	3	122	0.11	< 10	< 10	66	< 10	68
15600N 10125E	201 202	5	0.06	46	2190	22	< 2	5	219	0.16	< 10	< 10	81	< 10	96
15600N 10150E	201 202	4	0.08	61	3280	22	6	6	331	0.18	< 10	< 10	92	< 10	108
15600N 10175E	201 202	3	0.05	76	2360	18	< 2	5	213	0.16	< 10	< 10	78	170	116
15600N 10200E	201 202	7	0.04	104	2300	18	12	8	275	0.13	< 10	< 10	80	220	134
15600N 10216E	201 202	< 1	0.03	143	1800	2	6	3	189	0.19	< 10	< 10	68	10	82

CERTIFICATION: _____



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

A9626012

Comments: ATTN:GERRY BIDWELL

CERTIFICATE

A9626012

(NOK) - BATTLE MOUNTAIN CANADA

Project: MARN
P.O.#: 1917

Samples submitted to our lab in Vancouver, BC.
This report was printed on 8-AUG-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	101	Dry, sieve to -80 mesh
202	101	save reject
229	101	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	101	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	101	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	101	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	101	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	101	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	101	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	101	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	101	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	101	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	101	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	101	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	101	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	101	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	101	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	101	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	101	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	101	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	101	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	101	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	101	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	101	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	101	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	101	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	101	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	101	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	101	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	101	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	101	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	101	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	101	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	101	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	101	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	101	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN: GERRY BIDWELL

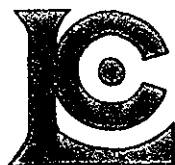
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Invoice No. : 19626012
P.O. Number : 1917
Account : NOK

CERTIFICATE OF ANALYSIS

A9626012

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
15700N 09800E	201 202	20	< 0.2	2.56	26	510	0.5	< 2	0.44	< 0.5	13	28	51	3.04	< 10	< 1	0.21	30	0.70	510
15700N 09825E	201 202	50	0.2	3.11	92	570	1.0	4	0.44	< 0.5	14	34	143	3.92	10	< 1	0.24	30	0.85	365
15700N 09850E	201 202	55	0.2	3.09	34	690	1.0	2	0.74	< 0.5	16	31	224	3.55	< 10	< 1	0.36	40	0.89	555
15700N 09875E	201 202	30	0.2	4.50	146	1070	1.0	2	0.89	< 0.5	29	49	114	4.72	10	< 1	0.43	40	1.47	630
15700N 09900E	201 202	20	< 0.2	3.21	22	790	0.5	< 2	0.81	< 0.5	23	34	93	3.43	< 10	< 1	0.37	30	0.85	480
15700N 09925E	201 202	5	< 0.2	3.23	24	720	0.5	< 2	0.60	< 0.5	18	35	59	3.44	< 10	< 1	0.33	30	0.86	520
15700N 09950E	201 202	< 5	< 0.2	3.71	22	820	1.0	< 2	0.51	< 0.5	20	39	74	3.78	10	< 1	0.35	40	0.95	470
15700N 09975E	201 202	10	< 0.2	3.43	20	890	0.5	< 2	0.77	< 0.5	22	40	74	3.88	10	< 1	0.38	40	1.05	545
15700N 10000E	201 202	< 5	< 0.2	2.51	16	750	0.5	2	1.37	< 0.5	22	37	57	4.17	10	1	0.45	60	1.06	575
15700N 10025E	201 202	15	< 0.2	3.67	26	980	0.5	< 2	0.66	< 0.5	27	42	108	3.98	< 10	< 1	0.33	30	1.08	410
15700N 10050E	201 202	115	< 0.2	3.33	18	1020	0.5	< 2	1.04	< 0.5	26	40	106	3.67	< 10	< 1	0.43	30	0.95	385
15700N 10075E	201 202	20	< 0.2	3.09	16	750	0.5	< 2	0.66	< 0.5	27	40	122	3.86	< 10	< 1	0.32	20	0.80	365
15700N 10100E	201 202	10	< 0.2	3.20	24	730	0.5	2	0.49	< 0.5	30	47	153	4.11	< 10	< 1	0.30	20	0.83	385
15700N 10125E	201 202	20	0.2	2.74	18	460	0.5	< 2	0.31	< 0.5	23	69	168	4.15	< 10	< 1	0.21	10	0.85	255
15700N 10150E	201 202	20	0.2	3.61	34	650	0.5	< 2	0.91	< 0.5	44	67	270	5.75	< 10	< 1	0.33	30	1.26	605
15700N 10175E	201 202	185	< 0.2	2.72	42	490	0.5	6	0.69	< 0.5	53	193	140	5.65	< 10	< 1	0.15	30	3.75	880
15700N 10200E	201 202	35	< 0.2	4.24	22	510	1.5	6	1.72	< 0.5	17	29	75	3.45	< 10	< 1	0.37	40	0.93	545
15800N 09800E	201 202	15	< 0.2	3.65	12	1230	1.5	< 2	1.28	0.5	20	38	49	4.87	10	< 1	0.73	70	1.40	805
15800N 09825E	201 202	5	< 0.2	3.17	8	890	1.0	2	1.19	< 0.5	17	33	43	4.13	10	< 1	0.52	60	1.11	705
15800N 09850E	201 202	15	< 0.2	4.78	56	720	2.0	2	1.99	< 0.5	18	32	65	4.21	10	< 1	0.43	60	1.19	700
15800N 09875E	201 202	75	< 0.2	2.62	62	650	0.5	2	0.90	< 0.5	15	30	129	3.52	< 10	< 1	0.41	50	0.89	540
15800N 09900E	201 202	50	0.2	2.65	50	570	0.5	< 2	1.01	0.5	13	28	100	3.37	< 10	< 1	0.34	50	0.85	520
15800N 09925E	201 202	45	< 0.2	1.23	18	160	< 0.5	< 2	0.18	< 0.5	4	13	50	1.57	< 10	1	0.14	20	0.23	95
15800N 09950E	201 202	90	< 0.2	5.47	252	1190	1.5	6	2.02	< 0.5	29	62	95	5.19	10	< 1	0.58	50	1.80	965
15800N 09975E	201 202	25	< 0.2	3.77	58	940	0.5	2	0.87	< 0.5	32	41	144	4.34	< 10	< 1	0.45	30	1.05	540
15800N 10000E	201 202	20	0.2	3.49	30	800	0.5	< 2	0.60	< 0.5	25	38	149	4.26	< 10	< 1	0.32	40	0.91	395
15800N 10025E	201 202	10	< 0.2	3.65	20	770	0.5	< 2	0.57	< 0.5	20	35	80	3.62	< 10	< 1	0.37	40	0.84	645
15800N 10050E	201 202	10	< 0.2	3.30	26	820	0.5	2	0.58	< 0.5	23	33	78	3.56	< 10	< 1	0.44	40	0.86	595
15800N 10075E	201 202	10	< 0.2	3.01	18	820	0.5	< 2	0.72	0.5	21	32	69	3.50	< 10	< 1	0.36	40	0.89	455
15800N 10100E	201 202	20	< 0.2	3.44	22	1020	0.5	< 2	0.98	< 0.5	28	39	88	4.08	< 10	< 1	0.49	40	1.15	645
15800N 10125E	201 202	< 5	< 0.2	3.64	28	1000	1.0	< 2	1.23	0.5	37	50	141	5.56	10	< 1	0.60	60	1.47	740
15800N 10150E	201 202	50	< 0.2	4.02	16	1170	1.0	2	0.93	< 0.5	36	41	135	4.49	10	< 1	0.55	40	1.29	675
15800N 10175E	201 202	10	< 0.2	4.00	14	1130	1.0	< 2	1.04	< 0.5	32	39	104	3.99	10	< 1	0.49	50	1.24	560
15800N 10200E	201 202	40	< 0.2	3.80	34	1180	0.5	2	0.81	< 0.5	41	42	177	4.10	10	< 1	0.43	30	1.06	540
15800N 10225E	201 202	70	< 0.2	5.18	24	1420	0.5	6	1.20	< 0.5	31	42	135	3.68	10	< 1	0.52	30	1.46	490
15800N 10250E	201 202	45	< 0.2	3.97	24	1090	0.5	2	0.95	0.5	37	41	151	3.97	< 10	< 1	0.43	30	1.12	480
15800N 10265E	201 202	< 5	< 0.2	3.41	18	760	0.5	< 2	0.55	< 0.5	19	43	61	3.47	10	< 1	0.30	20	0.85	440
A 000	201 202	2000	3.4	1.20	1665	80	0.5	108	0.17	< 0.5	14	22	1170	>15.00	10	1	0.12	90	0.51	380
A 050	201 202	40	< 0.2	2.88	116	260	0.5	2	0.85	< 0.5	30	42	329	6.28	< 10	< 1	0.21	30	0.97	550
A 100	201 202	920	0.6	4.38	136	610	1.0	2	1.71	< 0.5	53	43	412	7.57	10	1	0.62	40	2.18	740

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN:GERRY BIDWELL

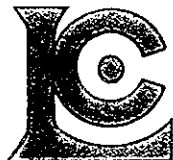
Page Number :1-8
Total Pages :3
Certificate Date: 08-AUG-96
Invoice No. :19626012
P.O. Number :1917
Account :NOK

CERTIFICATE OF ANALYSIS

A9626012

SAMPLE	PREP	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
15700N 09800E	201 202	1	0.01	20	1340	16	< 2	3	71	0.16	< 10	< 10	62	< 10	82
15700N 09825E	201 202	4	0.02	17	1460	20	< 2	4	143	0.20	< 10	< 10	78	< 10	84
15700N 09850E	201 202	1	0.04	17	1980	18	< 2	4	166	0.20	< 10	< 10	72	< 10	96
15700N 09875E	201 202	1	0.03	32	1940	18	< 2	6	240	0.27	< 10	< 10	110	< 10	94
15700N 09900E	201 202	2	0.06	27	2360	10	8	3	152	0.20	< 10	< 10	81	< 10	78
15700N 09925E	201 202	1	0.05	23	1770	10	2	4	106	0.21	< 10	< 10	81	< 10	86
15700N 09950E	201 202	2	0.04	25	1440	16	< 2	5	129	0.24	< 10	< 10	93	< 10	88
15700N 09975E	201 202	< 1	0.04	29	2170	14	6	4	178	0.24	< 10	< 10	92	< 10	92
15700N 10000E	201 202	2	0.05	20	3100	16	< 2	5	156	0.14	< 10	< 10	80	< 10	94
15700N 10025E	201 202	1	0.04	34	1780	8	4	4	181	0.22	< 10	< 10	98	< 10	76
15700N 10050E	201 202	1	0.06	38	3160	8	8	3	215	0.20	< 10	< 10	85	< 10	74
15700N 10075E	201 202	2	0.05	42	2230	8	< 2	3	152	0.18	< 10	< 10	76	< 10	70
15700N 10100E	201 202	1	0.04	52	1740	6	2	3	147	0.17	< 10	< 10	79	< 10	72
15700N 10125E	201 202	1	0.03	72	1430	8	4	3	80	0.10	< 10	< 10	63	< 10	52
15700N 10150E	201 202	3	0.06	93	2670	12	2	5	223	0.16	< 10	< 10	79	< 10	88
15700N 10175E	201 202	< 1	0.01	207	2420	10	22	4	141	0.15	< 10	< 10	76	< 10	114
15700N 10200E	201 202	1	0.03	18	2080	12	< 2	5	449	0.09	< 10	< 10	66	< 10	66
15800N 09800E	201 202	1	0.03	19	2710	16	< 2	6	256	0.29	< 10	< 10	94	< 10	112
15800N 09825E	201 202	< 1	0.02	18	2420	14	< 2	5	258	0.21	< 10	< 10	77	< 10	90
15800N 09850E	201 202	1	0.03	15	2370	22	< 2	6	406	0.21	< 10	10	74	< 10	104
15800N 09875E	201 202	< 1	0.03	18	2080	12	< 2	3	138	0.17	< 10	< 10	70	10	92
15800N 09900E	201 202	1	0.03	17	2110	12	< 2	4	154	0.17	< 10	< 10	66	< 10	86
15800N 09925E	201 202	2	0.01	7	700	8	< 2	1	29	0.09	< 10	< 10	30	10	26
15800N 09950E	201 202	< 1	0.02	35	3110	18	< 2	9	347	0.25	< 10	< 10	111	< 10	110
15800N 09975E	201 202	1	0.05	37	2360	10	< 2	4	192	0.24	< 10	< 10	97	< 10	80
15800N 10000E	201 202	3	0.04	33	2050	14	< 2	4	141	0.21	< 10	< 10	90	< 10	78
15800N 10025E	201 202	1	0.03	27	2320	14	< 2	4	109	0.21	< 10	< 10	85	< 10	98
15800N 10050E	201 202	3	0.02	25	2420	14	< 2	4	127	0.21	< 10	< 10	82	< 10	100
15800N 10075E	201 202	3	0.03	23	2170	12	< 2	4	158	0.20	< 10	< 10	78	< 10	84
15800N 10100E	201 202	2	0.03	29	2080	12	< 2	4	254	0.27	< 10	< 10	92	< 10	94
15800N 10125E	201 202	4	0.05	38	2940	16	< 2	7	243	0.28	< 10	< 10	112	< 10	114
15800N 10150E	201 202	3	0.03	36	2680	18	< 2	6	269	0.25	< 10	< 10	107	< 10	102
15800N 10175E	201 202	3	0.04	29	3020	18	< 2	5	323	0.22	< 10	< 10	99	< 10	94
15800N 10200E	201 202	3	0.05	51	2330	12	< 2	4	262	0.23	< 10	< 10	95	< 10	90
15800N 10225E	201 202	1	0.04	36	2940	10	< 2	5	925	0.20	< 10	< 10	90	< 10	74
15800N 10250E	201 202	1	0.06	62	2500	8	< 2	4	437	0.20	< 10	< 10	89	< 10	76
15800N 10265E	201 202	1	0.07	24	1880	10	< 2	3	125	0.18	< 10	< 10	98	< 10	78
A 000	201 202	< 1	< 0.01	18	680	26	< 2	3	18	0.11	< 10	< 10	47	< 10	48
A 050	201 202	3	0.09	44	1040	20	< 2	4	143	0.13	< 10	< 10	68	< 10	72
A 100	201 202	3	0.08	66	2320	22	< 2	6	390	0.17	< 10	< 10	70	< 10	96

CERTIFICATION: _____



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CERTIFICATE OF ANALYSIS

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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
A 150	201 202	120	< 0.2	3.78	60	810	1.0	< 2	1.26	< 0.5	34	37	170	5.29	10	< 1	0.41	40	1.26	590
A 200	201 202	110	0.2	3.68	70	660	1.0	< 2	1.31	< 0.5	35	73	383	5.42	10	< 1	0.43	40	1.45	730
A 250	201 202	65	0.2	4.06	40	560	1.5	2	1.47	< 0.5	24	41	222	5.05	< 10	< 1	0.48	50	1.52	635
A 300	201 202	5	< 0.2	4.74	34	650	1.5	< 2	1.93	< 0.5	24	47	156	4.90	10	< 1	0.43	40	1.30	610
A 350	201 202	10	< 0.2	4.12	24	640	1.0	< 2	1.39	< 0.5	35	144	95	5.90	< 10	< 1	0.37	40	2.51	1145
A 400	201 202	225	< 0.2	5.25	38	920	1.5	4	2.16	< 0.5	26	51	515	4.86	10	< 1	0.48	40	1.65	970
A 450	201 202	90	0.2	6.34	42	840	1.5	2	2.59	< 0.5	28	71	458	5.62	10	< 1	0.46	40	2.12	750
A 500	201 202	35	0.2	4.44	68	720	1.0	< 2	1.71	< 0.5	40	65	501	6.83	10	< 1	0.47	50	1.46	675
A 500/255W	201 202	90	0.6	2.17	142	290	< 0.5	< 2	0.72	< 0.5	6	163	186	11.60	< 10	1	0.72	30	1.70	240
A 550	201 202	55	1.0	4.23	82	520	1.0	2	1.89	< 0.5	51	76	635	7.82	< 10	< 1	0.42	50	1.60	810
A 588	201 202	50	0.8	3.73	72	540	1.0	2	1.83	< 0.5	41	65	585	6.92	< 10	< 1	0.43	50	1.43	690
B-0	201 202	125	1.0	2.90	52	320	0.5	6	2.50	< 0.5	22	50	632	8.31	< 10	< 1	0.34	80	1.05	460
B11/5 SW	201 202	25	0.2	4.16	80	290	0.5	6	0.70	< 0.5	32	42	339	8.66	10	< 1	0.22	30	0.72	475
B11/5 NE	201 202	20	0.2	3.42	30	340	< 0.5	< 2	0.69	< 0.5	19	55	438	7.68	< 10	2	0.35	40	0.84	265
B11/10SW	201 202	15	0.6	3.35	62	220	< 0.5	2	0.61	< 0.5	14	45	244	7.19	10	< 1	0.18	20	0.72	265
B11/10NE	201 202	70	0.6	3.23	32	340	< 0.5	2	0.99	< 0.5	13	47	391	8.01	< 10	< 1	0.32	40	0.75	195
B-30	201 202	105	0.8	3.86	78	480	0.5	4	1.13	< 0.5	29	73	685	7.65	10	< 1	0.38	40	1.22	430
B-60	201 202	80	0.8	3.81	80	430	0.5	4	1.56	< 0.5	25	72	863	8.38	10	< 1	0.42	50	1.31	385
B-60/10SW	201 202	30	0.4	3.49	44	420	1.0	6	1.69	0.5	43	41	256	7.28	< 10	< 1	0.23	50	1.18	1175
B-60/10NE	201 202	< 5	< 0.2	6.01	14	430	1.5	2	3.49	< 0.5	16	23	54	3.01	10	< 1	0.39	40	0.90	505
B-60/20SW	201 202	< 5	0.2	5.22	46	380	2.0	< 2	2.38	2.5	64	66	255	6.76	10	< 1	0.44	70	1.51	1300
B-90	201 202	15	0.2	4.66	46	540	1.0	< 2	1.33	< 0.5	54	48	289	6.31	10	< 1	0.30	40	1.33	930
B-120	201 202	75	0.4	4.51	30	690	0.5	2	1.59	< 0.5	51	68	352	6.48	10	< 1	0.35	40	1.23	745
B-140/10SW	201 202	25	0.6	4.33	28	530	0.5	2	1.28	< 0.5	60	39	358	6.22	10	< 1	0.33	30	0.85	695
B-140/20SW	201 202	10	0.4	3.81	54	600	0.5	6	1.92	< 0.5	40	46	310	5.61	< 10	< 1	0.41	40	1.22	575
B-140/30SW	201 202	80	2.4	3.42	100	500	0.5	6	1.08	< 0.5	26	39	1240	7.48	< 10	< 1	0.29	30	0.83	370
B-140/40SW	201 202	125	0.8	4.54	110	320	0.5	8	1.29	0.5	66	53	689	5.29	10	< 1	0.19	30	0.74	645
B-150	201 202	35	0.2	3.32	32	510	0.5	< 2	1.01	< 0.5	28	48	239	4.54	10	< 1	0.20	20	0.94	380
C0	201 202	55	1.8	3.04	44	240	0.5	4	1.84	0.5	78	17	398	12.00	< 10	< 1	0.20	30	0.46	5180
C 30S	201 202	445	1.6	4.31	50	800	1.0	12	1.44	0.5	97	28	2430	5.70	10	< 1	0.53	50	2.74	1025
C 30N	201 202	40	1.2	3.84	56	550	0.5	< 2	1.33	< 0.5	53	57	1035	6.30	< 10	< 1	0.27	30	0.82	510
C 60S	201 202	1340	5.6	3.49	88	290	1.0	8	2.67	0.5	52	36	5580	7.07	10	< 1	0.21	60	1.10	640
C 60N	201 202	255	1.6	4.38	206	590	0.5	14	1.14	< 0.5	35	71	917	7.12	10	< 1	0.35	20	1.15	530
C 90S	201 202	100	1.0	3.03	34	860	0.5	4	0.82	< 0.5	24	32	635	4.17	< 10	< 1	0.20	30	0.82	340
C 90-25	201 202	150	0.6	4.19	48	730	0.5	6	1.50	< 0.5	44	40	801	5.79	10	< 1	0.37	30	1.14	465
C 90-N	201 202	50	0.4	2.15	192	640	< 0.5	4	0.31	< 0.5	27	197	776	>15.00	< 10	< 1	0.23	10	0.58	255
C 120S	201 202	30	0.6	3.97	34	820	0.5	< 2	1.04	< 0.5	45	41	598	5.23	< 10	< 1	0.31	30	1.01	545
C 120N	201 202	30	0.6	3.93	60	870	0.5	4	1.66	< 0.5	62	65	587	6.69	10	< 1	0.53	40	1.33	700
C 150SA	201 202	70	0.6	3.73	76	620	0.5	2	1.91	< 0.5	45	45	594	5.56	10	< 1	0.44	40	1.15	570
C 150SB	201 202	35	0.4	4.39	60	930	0.5	< 2	1.49	< 0.5	54	44	495	6.38	10	< 1	0.49	40	0.99	460

CERTIFICATION:

Heidi Bachler



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN:GERRY BIDWELL

Page Number :2-B
Total Pages :3
Certificate Date: 08-AUG-96
Invoice No. :I9626012
P.O. Number :1917
Account :NOK

CERTIFICATE OF ANALYSIS

A9626012

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
A 150	201 202	2	0.05	40	2110	16	< 2	5	361	0.21	< 10	< 10	70	< 10	74
A 200	201 202	4	0.03	89	1870	20	< 2	5	232	0.20	< 10	< 10	80	< 10	118
A 250	201 202	3	0.02	37	2540	20	< 2	7	449	0.19	< 10	< 10	72	< 10	84
A 300	201 202	3	0.01	35	2500	18	< 2	5	478	0.20	< 10	< 10	94	< 10	96
A 350	201 202	2	< 0.01	94	1780	18	< 2	8	334	0.23	< 10	< 10	112	< 10	112
A 400	201 202	3	< 0.01	39	3210	22	< 2	10	641	0.15	< 10	< 10	115	< 10	92
A 450	201 202	3	0.02	53	3350	24	< 2	11	480	0.22	< 10	< 10	104	< 10	102
A 500	201 202	5	0.06	89	3760	26	< 2	6	347	0.19	< 10	< 10	93	< 10	114
A 500/25SW	201 202	4	0.05	12	3710	20	< 2	5	123	0.15	< 10	< 10	74	< 10	48
A 550	201 202	6	0.06	111	3960	26	< 2	5	293	0.18	< 10	< 10	85	< 10	124
A 588	201 202	5	0.06	91	4170	24	< 2	5	269	0.16	< 10	< 10	78	< 10	106
B-0	201 202	3	0.06	51	8270	14	< 2	3	286	0.11	< 10	< 10	59	< 10	74
B11/5 SW	201 202	7	0.03	53	3280	18	< 2	4	121	0.09	< 10	< 10	55	< 10	76
B11/5 NE	201 202	9	0.03	31	3030	20	< 2	3	83	0.14	< 10	< 10	79	< 10	54
B11/10SW	201 202	5	0.04	32	2180	28	< 2	3	100	0.07	< 10	< 10	62	< 10	58
B11/10NE	201 202	8	0.05	29	4500	30	< 2	2	87	0.11	< 10	< 10	53	< 10	48
B-30	201 202	5	0.05	84	3230	22	< 2	4	198	0.15	< 10	< 10	70	< 10	88
B-60	201 202	4	0.06	81	4150	18	< 2	4	237	0.14	< 10	< 10	69	< 10	90
B-60/10SW	201 202	3	0.04	60	1720	22	< 2	8	141	0.12	< 10	< 10	79	< 10	128
B-60/10NE	201 202	< 1	< 0.01	14	2180	6	< 2	5	354	0.10	< 10	< 10	60	< 10	66
B-60/20SW	201 202	3	0.03	97	3900	30	< 2	14	243	< 0.01	< 10	< 10	105	< 10	220
B-90	201 202	3	0.03	102	1740	20	< 2	6	327	0.15	< 10	< 10	103	< 10	136
B-120	201 202	4	0.06	77	3140	18	< 2	4	437	0.18	< 10	< 10	83	< 10	100
B-140/10SW	201 202	7	0.10	56	2550	12	< 2	3	262	0.15	< 10	< 10	73	< 10	78
B-140/20SW	201 202	5	0.07	67	3180	22	< 2	4	279	0.15	< 10	< 10	79	< 10	98
B-140/30SW	201 202	29	0.03	44	3420	26	< 2	4	201	0.12	< 10	< 10	109	< 10	82
B-140/40SW	201 202	9	0.05	124	1970	34	< 2	3	173	0.11	< 10	< 10	62	< 10	106
B-150	201 202	3	0.06	48	1840	12	< 2	2	228	0.14	< 10	< 10	82	< 10	66
C0	201 202	5	0.04	44	1820	340	< 2	2	133	0.09	< 10	< 10	38	< 10	306
C 30S	201 202	9	0.04	134	2460	34	< 2	4	273	0.10	< 10	< 10	60	< 10	188
C 30N	201 202	6	0.11	89	2070	12	< 2	3	206	0.15	< 10	< 10	75	< 10	74
C 60S	201 202	9	0.15	66	8540	24	< 2	6	226	0.11	< 10	< 10	88	< 10	168
C 60N	201 202	7	0.08	67	2170	92	< 2	6	247	0.14	< 10	< 10	90	< 10	132
C 90S	201 202	6	0.07	34	2370	22	< 2	3	161	0.14	< 10	< 10	75	< 10	68
C 90-25	201 202	10	0.18	48	3060	18	< 2	3	316	0.20	< 10	< 10	92	< 10	86
C 90-N	201 202	34	0.03	52	1450	22	< 2	11	121	0.14	< 10	< 10	83	< 10	58
C 120S	201 202	14	0.09	61	2280	16	< 2	5	289	0.19	< 10	< 10	96	< 10	98
C 120N	201 202	11	0.11	89	3770	36	< 2	6	334	0.19	< 10	< 10	97	< 10	120
C 150SA	201 202	8	0.11	64	3320	22	< 2	5	308	0.18	< 10	< 10	84	< 10	96
C 150SB	201 202	9	0.12	75	3790	14	< 2	3	301	0.22	< 10	< 10	97	< 10	74

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN:GERRY BIDWELL

Page Number :3-A
Total Pages :3
Certificate Date: 08-AUG-96
Invoice No. :19626012
P.O. Number :1917
Account :NOK

CERTIFICATE OF ANALYSIS

A9626012

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
C 180	201 202	< 5	0.6	3.60	58	720	0.5	8	1.82	< 0.5	40	48	498	5.59	10	< 1	0.55	40	1.23	570
C 210	201 202	80	0.6	3.41	50	620	0.5	4	1.80	0.5	39	41	423	5.35	< 10	< 1	0.51	40	1.16	555
C 240	201 202	115	0.8	3.81	52	750	0.5	2	1.75	< 0.5	37	48	553	5.58	10	< 1	0.58	40	1.26	565
MG 0+25	201 202	350	0.6	2.28	48	310	0.5	8	1.78	< 0.5	35	46	654	5.63	< 10	< 1	0.24	40	0.82	720
MG 0+50	201 202	605	0.8	1.94	54	310	0.5	8	3.50	< 0.5	33	37	741	5.92	< 10	< 1	0.28	30	0.70	645
MG 0+75	201 202	715	0.8	2.06	66	330	0.5	10	2.60	< 0.5	38	40	822	6.48	< 10	< 1	0.28	30	0.73	645
MG 1+00	201 202	700	1.0	2.23	62	340	0.5	10	3.56	< 0.5	38	42	894	6.84	< 10	< 1	0.32	40	0.79	730
MG 1+25	201 202	770	0.8	2.38	64	360	0.5	8	2.32	0.5	35	47	659	6.10	< 10	< 1	0.32	30	0.82	745
MG 1+50	201 202	885	0.8	2.24	62	360	0.5	14	2.21	0.5	40	43	818	6.77	< 10	< 1	0.28	40	0.84	820
MG 1+75	201 202	215	0.2	3.61	48	320	1.5	4	1.44	< 0.5	34	82	288	5.24	10	< 1	0.47	20	0.92	1015
MG 2+00	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
MG 2+25	201 202	450	0.4	3.06	48	370	1.0	6	1.59	< 0.5	36	59	442	5.95	< 10	< 1	0.42	30	0.91	850
MG 2+50	201 202	75	0.2	1.76	62	120	0.5	< 2	2.98	< 0.5	17	40	141	3.41	< 10	1	0.18	20	0.74	495
MG 2+75	201 202	105	0.2	0.94	36	70	< 0.5	2	4.09	< 0.5	7	16	131	1.79	< 10	< 1	0.05	20	0.67	290
MG 3+00	201 202	200	0.6	0.93	40	90	< 0.5	< 2	4.58	< 0.5	11	12	228	2.12	< 10	1	0.06	10	0.23	225
MG 3+25	201 202	1420	0.6	0.68	22	80	< 0.5	18	7.38	< 0.5	51	13	1075	4.09	< 10	< 1	0.06	20	1.68	875
MG 3+50	201 202	1440	2.4	1.58	58	210	0.5	24	1.57	0.5	54	46	3820	8.55	< 10	< 1	0.14	30	0.73	990
MG 3+75	201 202	505	2.6	0.64	96	80	0.5	16	0.18	< 0.5	69	15	2220	>15.00	< 10	< 1	0.12	10	0.13	545
MG 4+00	201 202	115	0.6	1.56	38	170	0.5	2	1.71	< 0.5	61	23	1410	5.43	< 10	< 1	0.13	30	0.58	1130
MG 4+25	201 202	45	0.2	1.82	14	170	1.0	4	2.86	0.5	6	25	146	2.53	< 10	< 1	0.09	30	1.12	595
MG 4+50	201 202	20	< 0.2	1.32	8	80	0.5	2	1.20	< 0.5	19	22	308	1.93	< 10	< 1	0.06	20	0.23	535
MG 4+75	201 202	80	0.8	3.08	34	140	1.0	6	1.85	0.5	61	20	969	8.73	10	< 1	0.16	50	0.67	1685

CERTIFICATION: _____



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN: GERRY BIDWELL

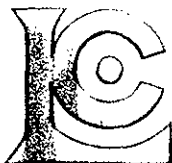
Page Number : 3-B
Total Pages : 3
Certificate Date: 08-AUG-96
Invoice No. : 19626012
P.O. Number : 1917
Account : NOK

CERTIFICATE OF ANALYSIS

A9626012

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
C 180	201 202	7	0.10	53	3390	18	< 2	5	320	0.20	< 10	< 10	89	< 10	96
C 210	201 202	5	0.10	47	3310	18	< 2	4	295	0.18	< 10	< 10	81	< 10	94
C 240	201 202	4	0.10	48	3050	18	< 2	5	324	0.21	< 10	< 10	93	< 10	94
MG 0+25	201 202	2	0.04	39	2020	8	< 2	4	143	0.10	< 10	< 10	62	< 10	104
MG 0+50	201 202	3	0.04	28	1800	12	< 2	3	150	0.09	< 10	< 10	55	10	84
MG 0+75	201 202	3	0.04	31	1850	8	< 2	3	141	0.11	< 10	< 10	59	10	106
MG 1+00	201 202	4	0.05	30	1930	8	< 2	3	166	0.11	< 10	< 10	61	10	94
MG 1+25	201 202	3	0.04	34	2040	8	< 2	4	151	0.11	< 10	< 10	69	20	98
MG 1+50	201 202	3	0.04	32	1980	14	< 2	4	155	0.12	< 10	< 10	60	20	96
MG 1+75	201 202	1	0.01	47	1650	6	< 2	7	90	0.09	< 10	< 10	112	< 10	100
MG 2+00	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
MG 2+25	201 202	3	0.03	53	2000	12	< 2	6	128	0.11	< 10	< 10	97	< 10	118
MG 2+50	201 202	1	0.03	41	1600	2	< 2	4	138	0.05	< 10	< 10	64	< 10	176
MG 2+75	201 202	< 1	0.04	25	1370	< 2	< 2	< 1	110	0.01	< 10	< 10	14	< 10	48
MG 3+00	201 202	< 1	0.03	27	3410	4	< 2	< 1	112	0.01	< 10	< 10	14	< 10	50
MG 3+25	201 202	< 1	< 0.01	22	1050	2	< 2	< 1	104	0.01	< 10	< 10	12	40	66
MG 3+50	201 202	5	0.01	38	2150	6	< 2	3	104	0.05	< 10	< 10	54	100	172
MG 3+75	201 202	16	< 0.01	9	1300	12	< 2	1	13	0.02	< 10	< 10	27	< 10	48
MG 4+00	201 202	1	0.03	33	1180	12	< 2	1	117	0.04	< 10	< 10	29	< 10	82
MG 4+25	201 202	< 1	< 0.01	21	1020	16	< 2	3	108	0.01	< 10	< 10	17	< 10	120
MG 4+50	201 202	< 1	< 0.01	19	980	28	< 2	2	41	< 0.01	< 10	< 10	19	< 10	74
MG 4+75	201 202	11	< 0.01	9	1270	10	< 2	3	173	0.08	< 10	< 10	40	< 10	86

CERTIFICATION: _____



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

A9626013

Comments: ATTN:GERRY BIDWELL

CERTIFICATE

A9626013

(NOK) - BATTLE MOUNTAIN CANADA

Project: MARN
P.O. #: 1917

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-AUG-96.

SAMPLE PREPARATION

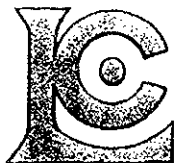
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	4	Dry, sieve to -80 mesh
202	4	save reject
229	4	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	4	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	4	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	4	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	4	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	4	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	4	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	4	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	4	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	4	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	4	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	4	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	4	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	4	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	4	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	4	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	4	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	4	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	4	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	4	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	4	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	4	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	4	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	4	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	4	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	4	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	4	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	4	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	4	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	4	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	4	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	4	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	4	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	4	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN: GEBRY BIDWELL

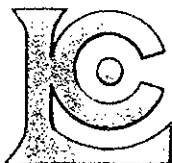
Page Number : 1-A
Total Pages : 1
Certificate Date: 07-AUG-96
Invoice No. : 19626013
P.O. Number : 1917
Account : NOK

CERTIFICATE OF ANALYSIS

A9626013

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
SM-1 SILT	201 202	25	2.0	3.25	156	160	2.0	4	0.21	< 0.5	7	91	121	11.25	10	< 1	0.53	10	0.86	215
SM-2 SILT	201 202	30	0.6	3.49	52	520	1.0	4	1.76	0.5	30	41	452	4.28	10	< 1	0.48	60	1.27	550
SM-3 SILT	201 202	45	0.6	3.95	94	480	1.0	6	1.55	0.5	62	57	490	6.64	10	< 1	0.43	40	1.34	855
15525N 9800ESILT	201 202	20	< 0.2	3.13	18	470	1.0	< 2	1.19	< 0.5	14	21	97	2.88	< 10	< 1	0.31	40	0.80	480

CERTIFICATION: _____



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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN:GERRY BIDWELL

Page Number :1-B
Total Pages :1
Certificate Date: 07-AUG-96
Invoice No. :19626013
P.O. Number :1917
Account :NOK

CERTIFICATE OF ANALYSIS

A9626013

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
SM-1 SILT	201 202	18	0.09	35	1940	82	< 2	8	107	0.11	< 10	< 10	193	< 10	172
SM-2 SILT	201 202	6	0.06	46	2820	20	< 2	4	272	0.18	< 10	30	72	30	122
SM-3 SILT	201 202	5	0.07	120	2900	18	< 2	6	256	0.14	< 10	< 10	76	10	144
15525N 9800ES11/T	201 202	1	0.03	18	1970	14	< 2	3	264	0.15	< 10	< 10	53	< 10	86

CERTIFICATION: _____



Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

A9626678

Comments: ATTN: GERRY BIDWELL

CERTIFICATE

A9626678

(NOK) - BATTLE MOUNTAIN CANADA

Project: MARN - *Vanessa*
P.O. #: 1918

Samples submitted to our lab in Vancouver, BC.
This report was printed on 13-AUG-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	19	Geochem ring to approx 150 mesh
226	19	0-3 Kg crush and split
3202	19	Rock - save entire reject
229	19	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	19	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	19	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	19	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	19	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	19	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	19	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	19	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	19	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	19	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	19	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	19	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	19	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	19	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	19	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	19	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	19	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	19	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	19	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	19	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	19	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	19	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	19	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	19	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	19	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	19	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	19	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	19	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	19	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	19	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	19	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	19	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	19	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	19	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN: GERRY BIDWELL

Page Number : 1-A
Total Pages : 1
Certificate Date: 13-AUG-96
Invoice No. : 19626678
P.O. Number : 1918
Account : NOK

CERTIFICATE OF ANALYSIS

A9626678

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
167084	205 226	25	0.2	0.65	14	70	1.0	< 2	0.84	< 0.5	17	45	43	4.90	< 10	1	0.10	50	0.17	175
167085	205 226	15	0.2	2.31	4	130	< 0.5	< 2	1.80	< 0.5	24	67	219	3.91	< 10	< 1	0.30	10	0.49	140
167086	205 226	40	1.0	3.11	6	40	< 0.5	< 2	2.21	< 0.5	44	31	317	8.88	< 10	< 1	0.04	20	0.05	130
167087	205 226	< 5	0.2	3.33	24	40	< 0.5	2	1.63	< 0.5	51	258	130	5.35	< 10	< 1	0.54	< 10	0.68	125
167088	205 226	50	1.4	3.84	16	70	0.5	4	4.24	< 0.5	29	26	1475	4.34	10	< 1	0.08	10	0.40	230
167089	205 226	1000	31.0	0.22	82	< 10	< 0.5	62	2.70	< 0.5	21	53	5400	10.65	< 10	< 1	0.01	10	0.43	370
167090	205 226	70	9.2	0.14	10	< 10	< 0.5	2	2.66	< 0.5	29	118	3430	7.49	< 10	< 1	0.01	10	0.39	350
167091	205 226	120	4.6	0.53	18	60	0.5	10	2.45	< 0.5	8	41	1030	7.58	< 10	< 1	0.04	30	0.25	155
167092	205 226	60	10.6	0.15	310	< 10	0.5	4	3.75	< 0.5	34	62	2410	6.93	< 10	< 1	0.01	30	0.57	280
167093	205 226	50	5.4	1.25	94	30	1.0	< 2	4.24	< 0.5	6	29	2240	7.56	< 10	< 1	0.06	90	0.45	200
167094	205 226	45	1.6	3.25	34	120	1.0	< 2	3.79	< 0.5	13	24	837	3.84	< 10	1	0.07	40	0.38	230
167095	205 226	10	0.8	3.36	54	140	1.5	4	1.75	< 0.5	11	170	220	3.78	10	< 1	0.56	10	1.00	215
167096	205 226	10	0.8	1.45	10	120	0.5	< 2	0.07	1.5	6	154	128	2.56	< 10	< 1	0.29	10	0.57	75
167097	205 226	10	0.8	1.66	8	120	0.5	< 2	0.04	0.5	4	138	117	3.56	< 10	< 1	0.32	10	0.55	75
167098	205 226	15	0.8	3.32	14	220	1.0	< 2	0.78	< 0.5	7	173	60	3.70	10	1	0.86	< 10	1.27	170
167099	205 226	15	0.8	3.17	20	200	1.5	< 2	0.78	< 0.5	10	167	82	4.38	10	< 1	0.80	10	1.18	190
167100	205 226	15	1.0	3.81	10	180	1.5	< 2	0.74	0.5	11	189	95	4.60	10	< 1	0.95	10	1.41	230
167101	205 226	10	0.8	4.26	14	210	1.5	< 2	2.10	0.5	11	188	90	4.44	10	< 1	1.05	10	1.53	260
167102	205 226	2140	4.8	0.33	8	10	0.5	42	3.70	< 0.5	87	411	5080	10.60	< 10	< 1	0.06	30	0.18	430

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN: GERRY BIDWELL

Page Number : 1-B
Total Pages : 1
Certificate Date: 13-AUG-96
Invoice No. : 19626678
P.O. Number : 1918
Account : NOK

CERTIFICATE OF ANALYSIS

A9626678

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
167084	205 226	3	0.10	8	1290	20	< 2	1	53	0.13	< 10	10	28	< 10	40
167085	205 226	5	0.09	27	1360	10	2	1	109	0.16	< 10	< 10	81	< 10	48
167086	205 226	1	0.21	35	530	4	2	< 1	146	0.05	< 10	< 10	5	< 10	24
167087	205 226	1	0.42	162	1060	8	< 2	4	75	0.25	< 10	< 10	135	< 10	42
167088	205 226	1	0.08	28	1420	30	< 2	1	237	0.13	< 10	< 10	21	< 10	66
167089	205 226	1	< 0.01	14	9790	14	< 2	2	23	0.03	< 10	< 10	31	20	86
167090	205 226	< 1	< 0.01	11	6700	12	< 2	2	20	0.05	< 10	< 10	32	120	66
167091	205 226	1	0.05	4	9270	14	< 2	1	28	0.03	< 10	< 10	23	40	26
167092	205 226	1	< 0.01	9	>10000	12	< 2	3	32	0.03	< 10	< 10	32	50	36
167093	205 226	< 1	0.03	5	>10000	16	4	2	98	0.04	< 10	< 10	26	10	34
167094	205 226	1	0.04	15	4310	22	2	1	204	0.07	< 10	< 10	20	< 10	34
167095	205 226	9	0.16	59	1050	6	< 2	5	242	0.17	< 10	< 10	234	< 10	88
167096	205 226	6	0.03	21	300	2	< 2	4	12	0.01	< 10	< 10	78	< 10	162
167097	205 226	7	0.02	24	470	4	< 2	4	13	0.01	< 10	< 10	108	< 10	110
167098	205 226	5	0.10	34	1210	< 2	< 2	11	84	0.12	< 10	< 10	192	< 10	160
167099	205 226	5	0.06	53	2010	6	< 2	10	82	0.11	< 10	< 10	161	< 10	194
167100	205 226	7	0.09	62	1460	< 2	2	11	59	0.16	< 10	< 10	187	< 10	246
167101	205 226	8	0.12	66	3350	< 2	< 2	10	158	0.17	< 10	< 10	183	< 10	246
167102	205 226	< 1	0.01	39	6070	10	< 2	1	62	0.04	< 10	10	119	660	66

CERTIFICATION: _____



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Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

A9626705

Comments: ATTN: GERRY BIDWELL

CERTIFICATE

A9626705

(NOK) - BATTLE MOUNTAIN CANADA

Project: MARN
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 12-AUG-96.

SAMPLE PREPARATION

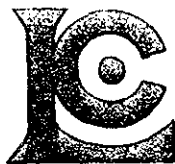
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	70	Dry, sieve to -80 mesh
202	70	save reject
229	70	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	68	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	70	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	70	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	70	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	70	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	70	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	70	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	70	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	70	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	70	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	70	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	70	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	70	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	70	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	70	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	70	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	70	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	70	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	70	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	70	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	70	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	70	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	70	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	70	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	70	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	70	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	70	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	70	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	70	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	70	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	70	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	70	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	70	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN:GERRY BIDWELL

Page Number: 11-A
Total Pages: 12
Certificate Date: 12-AUG-96
Invoice No.: I9626705
P.O. Number:
Account: NOK

CERTIFICATE OF ANALYSIS

A9626705

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
14900N/10200E	201 202	10	< 0.2	2.26	50	100	7.5	2	>15.00	17.5	116	24	191	2.70	< 10	< 1	0.08	30	0.45	3880
14900N/10225E	201 202	25	2.0	2.07	174	190	1.0	< 2	0.90	< 0.5	20	58	58	5.69	< 10	< 1	0.16	10	0.59	560
14900N/10250E	201 202	10	< 0.2	3.08	46	420	2.0	< 2	0.59	0.5	32	107	52	5.75	10	< 1	0.45	10	1.02	930
14900N/10275E	201 202	455	0.2	1.87	62	300	0.5	6	3.20	< 0.5	35	46	653	6.45	< 10	< 1	0.25	30	0.83	645
14900N/10300E	201 202	25	< 0.2	3.55	32	340	1.5	< 2	0.85	< 0.5	35	76	50	4.89	10	< 1	0.61	10	1.24	1710
14900N/10325E	201 202	15	< 0.2	4.32	36	370	2.0	< 2	0.63	< 0.5	43	86	79	5.59	10	< 1	0.37	30	1.52	1925
14900N/10350E	201 202	25	< 0.2	3.28	34	770	1.0	< 2	1.53	< 0.5	29	51	115	5.25	10	< 1	0.72	50	1.34	690
14900N/10375E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
14900N/10400E	201 202	15	< 0.2	3.50	30	490	2.0	< 2	0.77	< 0.5	35	52	139	5.48	10	< 1	0.40	50	1.11	600
14900N/10425E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
14900N/10450E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
14900N/10475E	201 202	10	< 0.2	4.13	34	660	1.0	< 2	0.64	< 0.5	22	52	89	4.41	10	< 1	0.53	30	1.16	390
15000N/10275E	201 202	30	< 0.2	4.17	50	340	1.0	2	0.52	< 0.5	25	83	113	6.08	10	< 1	0.73	30	1.02	855
15000N/10300E	201 202	25	< 0.2	3.35	44	230	1.0	< 2	0.29	< 0.5	17	65	71	4.47	10	< 1	0.24	10	0.67	800
15000N/10325E	201 202	15	< 0.2	3.74	36	440	1.5	< 2	0.67	< 0.5	32	42	107	5.84	10	< 1	0.66	30	1.00	895
15000N/10350E	201 202	35	< 0.2	4.54	22	360	2.5	< 2	1.39	< 0.5	35	25	69	4.16	10	< 1	0.50	60	0.96	870
15000N/10375E	201 202	10	< 0.2	3.68	20	340	2.0	< 2	0.82	< 0.5	16	49	47	3.38	10	< 1	0.25	20	0.78	575
15000N/10400E	201 202	10	< 0.2	4.15	6	460	2.5	< 2	1.56	< 0.5	16	25	54	3.74	10	< 1	0.32	40	1.01	585
15000N/10425E	201 202	10	< 0.2	4.47	22	640	1.5	< 2	1.03	0.5	26	58	84	4.65	10	< 1	0.47	40	1.33	775
15000N/10450E	201 202	< 5	< 0.2	3.46	18	470	1.0	< 2	0.65	< 0.5	23	28	138	4.63	< 10	< 1	0.43	50	0.81	495
C-150	201 202	1020	1.6	3.76	564	700	0.5	14	1.94	0.5	75	70	584	6.22	10	< 1	0.38	40	1.51	1030
D-000	201 202	10	< 0.2	5.15	44	390	2.5	< 2	1.32	< 0.5	15	17	59	3.20	10	< 1	0.41	70	2.07	850
D-030	201 202	< 5	0.2	4.18	40	670	1.5	< 2	1.55	< 0.5	20	26	85	3.38	10	< 1	0.59	70	1.53	635
D-060	201 202	85	< 0.2	4.44	46	780	1.5	< 2	1.43	0.5	19	26	227	3.34	10	< 1	0.60	60	1.61	575
D-090	201 202	25	< 0.2	3.52	52	760	1.0	< 2	0.57	< 0.5	17	30	128	3.35	10	< 1	0.33	40	1.02	395
D-120	201 202	70	0.2	5.50	52	970	2.0	2	1.22	< 0.5	19	26	498	3.38	10	< 1	0.49	50	1.82	625
D-150	201 202	325	3.0	5.09	32	770	2.0	6	1.75	0.5	21	23	2170	3.82	10	< 1	0.58	70	1.85	605
D-180	201 202	15	< 0.2	5.43	22	450	2.5	2	1.95	< 0.5	11	13	245	2.55	< 10	< 1	0.38	80	2.19	1015
D-210	201 202	100	1.0	5.06	44	560	2.0	< 2	1.62	< 0.5	16	20	873	3.24	10	< 1	0.40	70	1.67	590
D-240	201 202	35	< 0.2	4.33	28	530	2.0	< 2	0.99	< 0.5	13	24	159	2.96	10	< 1	0.23	40	1.23	490
D-270	201 202	5	< 0.2	5.06	14	400	2.0	< 2	1.85	< 0.5	11	17	42	2.60	10	2	0.33	70	1.57	575
D-300	201 202	20	< 0.2	5.04	16	460	2.0	< 2	1.74	0.5	12	18	111	2.79	10	< 1	0.34	70	1.51	690
D-330	201 202	10	< 0.2	6.64	18	560	3.0	< 2	1.69	< 0.5	13	21	61	3.38	10	< 1	0.39	50	2.00	750
D-360	201 202	50	< 0.2	5.62	22	510	2.5	< 2	1.43	< 0.5	14	24	67	3.37	10	< 1	0.39	50	1.57	750
D-390	201 202	50	< 0.2	4.82	28	460	2.5	2	1.71	< 0.5	16	24	272	3.59	10	< 1	0.31	60	1.33	570
E-000	201 202	40	< 0.2	5.73	22	1660	1.0	< 2	2.55	< 0.5	37	42	226	3.92	10	< 1	0.72	50	1.65	615
E-030	201 202	50	< 0.2	5.32	16	1030	1.5	2	3.11	< 0.5	25	33	89	3.62	10	< 1	0.60	50	1.42	670
E-060	201 202	45	0.2	5.35	38	1480	0.5	< 2	2.67	< 0.5	45	59	303	5.43	10	< 1	0.61	50	1.94	470
E-090	201 202	20	< 0.2	5.86	20	1760	1.0	2	2.76	< 0.5	34	58	131	4.62	10	< 1	0.86	40	1.88	565
E-120	201 202	115	< 0.2	5.85	26	1470	0.5	4	1.99	< 0.5	37	54	338	4.55	10	< 1	0.66	30	1.54	475

CERTIFICATION:

Handwritten signature



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN:GERRY BIDWELL

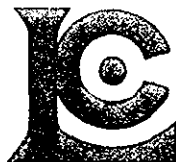
Page Number : 1-B
Total Pages : 2
Certificate Date: 12-AUG-96
Invoice No. : 19626705
P.O. Number :
Account : NOK

CERTIFICATE OF ANALYSIS

A9626705

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
14900N/10200E	201 202	1 < 0.01		489	2730	2	6	1	145	0.01	< 10	< 10	22	< 10	1800
14900N/10225E	201 202	3 0.02		31	2520	16	6	4	97	0.06	< 10	< 10	118	< 10	82
14900N/10250E	201 202	1 < 0.01		57	1640	< 2	6	8	76	0.14	< 10	< 10	189	< 10	106
14900N/10275E	201 202	2 0.03		32	2020	< 2	2	4	191	0.10	< 10	< 10	73	10	58
14900N/10300E	201 202	2 < 0.01		36	1680	< 2	2	6	183	0.13	< 10	< 10	146	< 10	92
14900N/10325E	201 202	4 0.02		56	930	2	6	7	191	0.18	< 10	< 10	171	< 10	92
14900N/10350E	201 202	3 0.05		29	2540	< 2	< 2	6	354	0.28	< 10	< 10	120	< 10	70
14900N/10375E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
14900N/10400E	201 202	7 0.03		42	1760	6	4	6	301	0.17	< 10	10	133	< 10	118
14900N/10425E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
14900N/10450E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
14900N/10475E	201 202	9 0.01		35	1700	< 2	< 2	6	196	0.25	< 10	< 10	117	< 10	106
15000N/10275E	201 202	3 0.01		37	1550	6	8	10	123	0.14	< 10	10	134	< 10	98
15000N/10300E	201 202	3 < 0.01		29	1310	< 2	< 2	3	43	0.09	< 10	< 10	121	< 10	64
15000N/10325E	201 202	3 0.01		32	1680	< 2	2	7	166	0.20	< 10	< 10	106	< 10	90
15000N/10350E	201 202	4 0.02		18	1170	8	12	6	616	0.17	< 10	10	72	< 10	82
15000N/10375E	201 202	3 0.03		22	1210	4	< 2	5	256	0.13	< 10	< 10	99	< 10	68
15000N/10400E	201 202	1 0.02		9	1310	< 2	8	5	254	0.21	< 10	< 10	72	< 10	54
15000N/10425E	201 202	3 0.01		29	1600	4	< 2	7	256	0.25	< 10	< 10	126	< 10	84
15000N/10450E	201 202	3 0.01		15	1480	8	8	5	301	0.16	< 10	10	76	< 10	64
C-150	201 202	5 0.05		70	3070	54	< 2	11	277	0.14	< 10	< 10	106	< 10	136
D-000	201 202	1 < 0.01		10	2040	2	8	6	948	0.14	< 10	< 10	47	< 10	66
D-030	201 202	3 0.04		17	2730	2	2	5	709	0.22	< 10	< 10	67	< 10	64
D-060	201 202	1 0.03		15	2630	6	< 2	6	739	0.20	< 10	< 10	67	< 10	64
D-090	201 202	4 0.02		20	1570	< 2	2	3	360	0.17	< 10	< 10	74	< 10	60
D-120	201 202	3 0.03		13	1420	10	8	6	842	0.20	< 10	10	69	< 10	66
D-150	201 202	3 0.01		12	3300	12	2	6	893	0.20	< 10	< 10	65	260	94
D-180	201 202	< 1 0.01		6	3260	14	2	7	815	0.14	< 10	10	34	< 10	46
D-210	201 202	6 0.03		12	2370	12	< 2	5	675	0.15	< 10	< 10	53	130	70
D-240	201 202	2 0.01		15	1830	8	< 2	3	449	0.14	< 10	< 10	57	10	60
D-270	201 202	< 1 < 0.01		7	3080	12	< 2	4	549	0.13	< 10	< 10	43	< 10	52
D-300	201 202	1 0.01		8	2340	12	8	5	559	0.13	< 10	< 10	47	10	54
D-330	201 202	1 0.01		9	1290	16	8	7	629	0.18	< 10	< 10	55	< 10	72
D-360	201 202	3 0.01		11	1610	12	2	5	440	0.17	< 10	< 10	61	< 10	74
D-390	201 202	19 0.03		13	2170	14	< 2	5	448	0.17	< 10	< 10	64	30	64
E-000	201 202	1 0.05		35	3960	2	< 2	11	641	0.18	< 10	< 10	90	30	44
E-030	201 202	< 1 0.03		19	4180	2	8	14	443	0.14	< 10	< 10	75	< 10	40
E-060	201 202	1 0.11		54	3970	< 2	< 2	7	513	0.30	< 10	10	131	< 10	58
E-090	201 202	< 1 0.13		29	4050	< 2	6	7	592	0.29	< 10	< 10	128	< 10	58
E-120	201 202	1 0.24		34	2410	< 2	< 2	6	607	0.33	< 10	< 10	141	< 10	66

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

100 - 1285 W. PENDER ST.
VANCOUVER, BC
V6E 4B1

Project: MARN
Comments: ATTN: GERRY BIDWELL

Page Number : 2-A
Total Pages : 2
Certificate Date: 12-AUG-96
Invoice No. : 19626705
P.O. Number :
Account : NOK

CERTIFICATE OF ANALYSIS

A9626705

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
E-150	201	202	60	< 0.2	5.36	20	1950	1.0	< 2	1.93	< 0.5	35	57	160	4.67	10	< 1	0.86	30	1.69	500
E-180	201	202	20	< 0.2	3.70	18	1230	1.0	< 2	1.82	< 0.5	22	38	115	3.10	< 10	< 1	0.50	30	1.11	420
E-210	201	202	60	< 0.2	4.32	22	570	2.0	< 2	1.64	< 0.5	18	26	101	3.24	10	< 1	0.44	60	1.04	450
E-240	201	202	30	< 0.2	4.19	20	990	1.0	2	1.46	< 0.5	33	34	185	3.22	10	< 1	0.42	50	0.99	450
E-270	201	202	15	< 0.2	4.51	42	1050	0.5	< 2	1.20	0.5	40	42	235	4.15	10	< 1	0.45	40	1.10	405
E-300	201	202	80	< 0.2	5.41	66	1120	0.5	< 2	1.39	< 0.5	56	49	516	6.28	10	< 1	0.58	50	1.16	580
F-000	201	202	30	2.0	4.90	26	330	2.0	< 2	0.09	< 0.5	15	89	118	7.63	10	< 1	0.52	10	0.92	595
F-030	201	202	20	1.6	2.89	94	220	1.0	4	0.04	< 0.5	4	83	92	6.58	10	< 1	0.45	10	0.82	340
F-060	201	202	< 5	0.6	4.85	40	280	3.5	2	0.14	< 0.5	11	68	195	10.50	20	< 1	0.68	10	0.56	275
F-090	201	202	15	< 0.2	3.91	48	560	1.5	< 2	0.48	< 0.5	22	86	216	5.73	10	< 1	0.39	30	0.93	580
F-120	201	202	< 5	< 0.2	1.93	12	170	1.0	< 2	1.00	0.5	9	20	27	2.01	< 10	< 1	0.07	30	0.14	840
F-150	201	202	< 5	< 0.2	3.53	32	170	1.5	< 2	0.31	0.5	42	64	58	2.83	10	< 1	0.39	30	1.12	425
F-180	201	202	50	< 0.2	3.56	30	440	1.0	< 2	0.31	< 0.5	18	65	192	4.47	10	< 1	0.33	10	0.71	650
F-210	201	202	< 5	< 0.2	2.68	14	300	0.5	< 2	0.28	< 0.5	11	62	39	2.83	< 10	< 1	0.52	< 10	0.56	405
F-240	201	202	< 5	< 0.2	1.96	6	490	< 0.5	2	0.31	< 0.5	9	23	36	2.26	< 10	< 1	0.27	30	0.52	215
F-270	201	202	not/ss	< 0.2	1.40	2	530	< 0.5	< 2	0.38	< 0.5	7	22	28	1.97	< 10	< 1	0.26	10	0.38	220
F-300	201	202	< 5	< 0.2	2.37	18	470	0.5	< 2	0.29	< 0.5	11	22	43	2.25	< 10	1	0.18	30	0.48	190
F-330	201	202	< 5	< 0.2	1.39	8	240	< 0.5	2	0.20	< 0.5	6	23	36	1.87	< 10	1	0.17	20	0.40	120
F-360	201	202	15	< 0.2	4.32	26	450	1.5	< 2	0.91	< 0.5	14	25	53	2.81	10	< 1	0.27	50	0.77	435
F-390	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
F-420	201	202	not/ss	< 0.2	1.51	16	190	< 0.5	< 2	0.33	< 0.5	6	23	49	2.29	< 10	1	0.17	10	0.42	135
F-450	201	202	210	< 0.2	4.48	34	740	1.0	2	1.04	< 0.5	34	44	235	4.96	10	< 1	0.31	30	0.98	485
F-480	201	202	20	< 0.2	2.97	36	360	0.5	2	0.37	< 0.5	15	41	243	5.48	10	< 1	0.21	30	0.66	280
F-510	201	202	35	0.2	3.77	70	290	0.5	2	1.17	< 0.5	29	37	305	6.87	10	< 1	0.32	20	0.86	390
F-540	201	202	< 5	0.2	2.08	58	370	< 0.5	< 2	0.41	< 0.5	11	40	104	3.86	< 10	< 1	0.18	10	0.43	260
F-570	201	202	80	< 0.2	1.25	28	390	< 0.5	2	0.57	0.5	11	39	71	3.49	< 10	1	0.30	< 10	0.40	175
F-600	201	202	30	< 0.2	1.28	16	320	< 0.5	2	0.39	1.5	12	34	82	3.71	< 10	< 1	0.29	10	0.29	125
F-630	201	202	20	< 0.2	1.27	52	140	< 0.5	6	0.80	< 0.5	19	19	338	3.94	10	< 1	0.04	40	0.17	110
F-650	201	202	150	12.0	0.10	240	30	< 0.5	20	0.42	< 0.5	5	< 1	433	>15.00	< 10	< 1	0.10	30	0.04	35
F-660	201	202	35	0.6	5.51	58	350	1.5	2	2.08	< 0.5	38	57	242	6.36	10	< 1	0.36	40	2.94	1380
F-690	201	202	110	< 0.2	3.49	104	480	0.5	2	1.65	< 0.5	40	64	401	6.90	10	< 1	0.35	40	1.79	650
F-720	201	202	20	1.4	3.21	72	150	< 0.5	2	0.38	< 0.5	11	57	179	13.10	10	< 1	1.24	40	1.15	165
F-750	201	202	825	1.2	3.02	280	140	2.5	38	0.31	< 0.5	24	42	461	10.45	20	< 1	0.09	40	1.78	1295
F-780	201	202	720	< 0.2	2.85	60	430	0.5	18	0.49	< 0.5	21	52	121	3.53	< 10	< 1	0.23	20	0.74	295

CERTIFICATION: _____



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BATTLE MOUNTAIN CANADA

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Project: MARN
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Page Number : 2-B
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CERTIFICATE OF ANALYSIS

A9626705

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
E-150	201 202	1	0.14	29	2780	< 2	6	6	486	0.39	< 10	< 10	142	< 10	64
E-180	201 202	1	0.05	20	1630	< 2	< 2	5	316	0.21	< 10	< 10	88	< 10	40
E-210	201 202	2	0.03	15	2080	6	6	5	379	0.18	< 10	10	64	< 10	68
E-240	201 202	3	0.05	37	2350	10	8	4	354	0.17	< 10	10	88	< 10	68
E-270	201 202	7	0.07	50	2450	8	2	4	229	0.23	< 10	< 10	104	< 10	82
E-300	201 202	13	0.09	66	3670	14	2	4	212	0.27	< 10	10	118	< 10	88
F-000	201 202	6	0.05	48	1450	10	16	9	73	0.11	< 10	< 10	187	< 10	274
F-030	201 202	5	0.02	18	860	12	10	8	37	0.08	< 10	< 10	172	< 10	126
F-060	201 202	89	0.19	65	2660	26	8	5	205	0.05	< 10	< 10	273	< 10	424
F-090	201 202	5	0.01	61	1340	10	12	7	178	0.17	< 10	< 10	193	< 10	202
F-120	201 202	1	0.03	11	1530	8	< 2	1	90	0.04	< 10	< 10	35	< 10	58
F-150	201 202	2	< 0.01	66	370	2	10	10	26	< 0.01	< 10	10	121	< 10	240
F-180	201 202	3	0.01	49	1890	6	2	4	49	0.08	< 10	< 10	110	< 10	116
F-210	201 202	1	< 0.01	24	1480	6	6	1	36	0.04	< 10	< 10	106	< 10	86
F-240	201 202	4	0.01	12	1270	6	2	1	42	0.14	< 10	< 10	62	< 10	58
F-270	201 202	3	0.01	10	1800	4	< 2	< 1	43	0.06	< 10	< 10	55	< 10	62
F-300	201 202	3	< 0.01	15	1300	8	8	1	50	0.09	< 10	< 10	56	< 10	72
F-330	201 202	3	0.01	11	1000	6	< 2	2	32	0.11	< 10	< 10	52	< 10	42
F-360	201 202	2	0.01	18	1810	12	< 2	4	251	0.13	< 10	< 10	62	< 10	108
F-390	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
F-420	201 202	5	0.01	13	660	6	2	2	78	0.11	< 10	< 10	47	< 10	38
F-450	201 202	2	0.01	46	2400	14	2	4	210	0.17	< 10	< 10	91	< 10	82
F-480	201 202	5	< 0.01	29	1870	14	8	3	101	0.13	< 10	< 10	90	< 10	56
F-510	201 202	6	0.04	56	2350	16	10	3	234	0.10	< 10	< 10	75	10	76
F-540	201 202	4	0.01	20	1770	10	6	1	156	0.04	< 10	< 10	66	< 10	40
F-570	201 202	3	0.01	18	1810	6	6	1	90	0.06	< 10	< 10	73	10	50
F-600	201 202	4	< 0.01	16	2390	6	2	1	55	0.04	< 10	< 10	84	10	60
F-630	201 202	1	0.01	23	3670	36	8	2	46	0.02	< 10	< 10	36	30	54
F-650	201 202	< 1	< 0.01	< 1	>10000	4	< 2	< 1	23	0.04	< 10	< 10	30	40	18
F-660	201 202	< 1	0.01	58	2530	14	16	12	350	0.11	< 10	< 10	78	< 10	96
F-690	201 202	3	0.06	108	3180	6	< 2	5	271	0.17	< 10	< 10	82	< 10	210
F-720	201 202	26	0.16	10	3040	10	6	4	177	0.20	< 10	< 10	128	< 10	68
F-750	201 202	1	< 0.01	23	1380	8	8	5	33	0.12	< 10	< 10	100	< 10	78
F-780	201 202	1	< 0.01	51	1350	8	2	2	206	0.10	< 10	< 10	68	< 10	40

CERTIFICATION:

[Signature]

APPENDIX III
GEOPHYSICAL REPORT

MEMORANDUM

AMEROK GEOSCIENCES LTD.

Site 6, Comp 11
Whitehorse, Yukon
Y1A 5V8
(403) 668-7672 (Phone/Fax)
amerok@yknet.yk.ca

July 27, 1996

File: 96-25

To: Jerry Bidwell
Battle Mountain Canada Ltd.

From: Mike Power

Re: Marn magnetometer and Maxmin surveys

This memorandum describes magnetometer and Maxmin surveys conducted on the Marn Property, Dawson Mining District, between July 19 and 22, 1996.

a. Personnel and equipment. The crew consisted of M. Power (Geophysicist) and R. Kamnitzer (Operator). They were equipped with a pair of GEM GSM-19 Overhauser magnetometers and a Maxmin I-9 equipped with an MMC. Data processing and plotting in the field was accomplished with a P-100 laptop computer and HP 680C colour printer. Data dumping and reduction software was provided by the instrument manufacturers while all subsequent data processing and plotting was performed with Geopak. Interpretation was performed with proprietary MMPLOT software incorporating standard Maxmin characteristic curves.

b. Grid and survey procedures. The geophysical survey was performed over the soil grid. This consisted of 12 slope corrected lines spaced 100 m apart. Stations were marked every 25 m. The magnetometer survey was performed with a synchronized base station magnetometer installed near camp and cycled at a 20 s interval. Stations were read every 12.5 m along the survey lines. The Maxmin survey was conducted with a 100 m coil spacing and stations were read every 25 m. Readings of the in-phase and quadrature components of the vertical field were taken at 220 Hz, 1760 Hz and 7040 Hz. The Maxmin survey was conducted using a slope chain method wherein the operators chained their coils to a fixed distance marked on the chain and held their coils coplanar. Corrections for short coils induced by concave or convex topography were made using Apex Parametrics MMCFIX1 software. Normally, Maxmin surveys are conducted on slope chained grids in steep country because of the excessive excess cable requirements for secant chaining. The coil control measures described above are appropriate for these grids not for slope corrected grids. In areas of extreme topography, there will be discrepancies between the corrections which were applied and those which should be applied and these will

appear as in-phase noise. This is unavoidable because of the way the grid was chained. To register the grid to topography, selected points were surveyed in using a Garmin 38 GPS receiver. Up to 16 GPS readings were taken ever 30 seconds at each point and the average reading and standard deviation in the readings was calculated. The best fit between the various average readings was used to register the grid to NAD 1927 UTM coordinates.

c. Data. Digital dump files are appended to this report (.dmp / .dat files). Corrected data is appended in ASCII and spreadsheet files in the following format:

Line Station UTME UTMN mag

for mag data in MAG.XYZ and MAG.XLS and

Line Station UTME UTMN 220IP 220Q 1760IP 1760Q 7040IP 7040Q

for Maxmin data in MM100.XLS and MM100.XYZ. All GPS data is appended in GPS.XLS. In addition the following plots at 1:2500 are appended:

- Colour contour map of the total magnetic field.
- Black line contour map of the total magnetic field
- Black line plot of 220 Hz in-phase and quadrature
- Black line plot of 1760 Hz in-phase and quadrature.
- Black line plot of 7040 Hz in-phase and quadrature.
- Stacked profiles of the mag and Maxmin over the showing

Conductors of interest are indicated on each of the maps.

d. Interpretation. The Maxmin data was interpreted using proprietary software automating characteristic curves developed by Ketola and Puranen (1967). The presence of in-phase noise and mutual interference prevented using all characteristics of the responses in the interpretation. Flanking positive responses were ignored and only peak negative values were used in determining the conductor characteristics. As a consequence, no estimates of dip or dip direction were made. Conductance estimates at 1760 Hz are considered most reliable for the purposes of this survey. The 220 Hz data identifies highly conductive targets but this data is also most affected by noise because of low signal amplitude. The high frequency data (7040 Hz) provides some structural information but is of less use in characterizing the type of conductive targets which are on interest on this property. In some cases (eg. on Line 14900N) the high frequency response saturates and falls off the characteristic plots. Conductors of interest are identified with symbols on the attached maps. Interpreted target conductance and depth to top extracted from the 1760 Hz data are shown above and below the symbols.

d. Results- grid. The in-phase data contains some noise as a consequence of the steep topography and the slope corrected grid. This appears as frequency invariant in-phase deflections. Some of these features may also be due to non-conductive magnetic features. The conductor labelled **A** on the diagrams appears to be the most interesting target based on its geological setting near the intrusive/limestone contact and its responses on Lines 14900N through 15100N. At 1760 Hz, peak interpreted conductances are 21 to 25 Siemens (mhos) which is within the range of massive sulphides. There is an associated positive magnetic field response on line 15100N, 25 m east of the conductor axis. The relationship between the ratio of the in-phase to quadrature component versus response parameter can be used to discriminate between highly conductive massive sulphide targets and less conductive sulphides and graphite. Massive sulphide targets containing abundant pyrrhotite or chalcopyrite are inductively thick and saturate the response parameter at low frequencies. For these targets, the plot of the IP/Q versus response parameter flattens with increasing response parameter. If the target contains less conductive sulphides or graphite it is generally inductively thin and the plot of IP/Q versus response parameter is linear. The IP/Q versus response parameter plots for Conductor **A** are linear or upward tapering indicating that the conductor is inductively thin. This suggests that this conductor does not contain significant volumes of massive pyrrhotite or chalcopyrite.

e. Results - showing. Test Maxmin and mag surveys were conducted over the main showing at the north end of the property. Strong Maxmin responses were recorded on Line 2 and an ambiguous response was recorded on Line 1. A mag response consisting of two high amplitude peaks, neither of which is directly associated with the EM response was also recorded. Interpreted conductor characteristics are summarized below:

Frequency	Conductance (Seimens)	Depth to top (metres)
220 Hz	20	20
1760 Hz	9.0	18
7040 Hz	5.4	15

There is some ambiguity in these characteristics because the full response could not be recorded on the short lines. The calculated conductances are in the same range as those identified for Conductor **A** and within the range expected for massive sulphides. Nonetheless, these values are low for pyrrhotite and chalcopyrite rich sulphide conductors. The plot of IP/Q versus response parameter is not linear and flattens with increasing IP/Q; this suggests that the target is inductively thick. This property is common in massive sulphide targets containing pyrrhotite and chalcopyrite. The

results suggest that the conductor has conductances and inductive thickness behaviour which is not completely consistent with massive pyrrhotite-chalcopyrite mineralization.

f. Conclusions and recommendations. The Maxmin and magnetometer survey identified several conductors, the most interesting of which is labelled **A**. This target has conductivity-thickness products in the range expected of massive sulphides and which are similar to those recorded over the main showing. If this target is supported by geological and geochemical data, it may merit testing by drilling.

Thank you for the opportunity to work with you once again. If we can be of any further assistance, please do not hesitate to contact us.

Respectively submitted,
AMEROK GEOSCIENCES LTD.



M.A. Power M.Sc. P.Geo.
Geophysicist

APPENDIX IV

DRILL CORE LOCATION AND STATUS

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During the 1996 field program it was noted that the drill core from the 1980-83 programs was located at two sites on the property.

Core from 1980-81 (Holes #1-24) was stored on core racks at the camp on the north side of Scoville Lake and just south of the Marn #7 claim. This core is a write-off. Most of the racks collapsed and/or were taken apart and the core is spilled. Where core remains in boxes the labels can no longer be read.

Core from the 1983 drill program was stored 800 meters southeast of the Mini-Grid zone in a flat area at the headwaters of the creek. Holes #25-37 (presumably) were stored at this location. In 1996 some of this core was still racked and some on the ground spilled. This core was salvaged as much as possible and cross-piled on the ground.

Salvaged core is as follows:

	From	To
Hole 83-25	4	218 ft
	268	397 ft
83-26	all to	96.9 m
83-27	2.1	115.2 m
83-28	0.4	109.1 m
83-29	0.0	88.6 m
	101.6	115.6 m
83-30	lost - dropped from helicopter	
83-31	0.0	31.4 m
	in addition there are 8 boxes of core almost surely part of 31; 4 boxes of monzonite and 4 boxes of sediments, none split.	
83-32	0.0	97.8 m
83-33	2.8	140.2 m
83-34	2.3	156.6 m
83-35	0.0	86.0 m

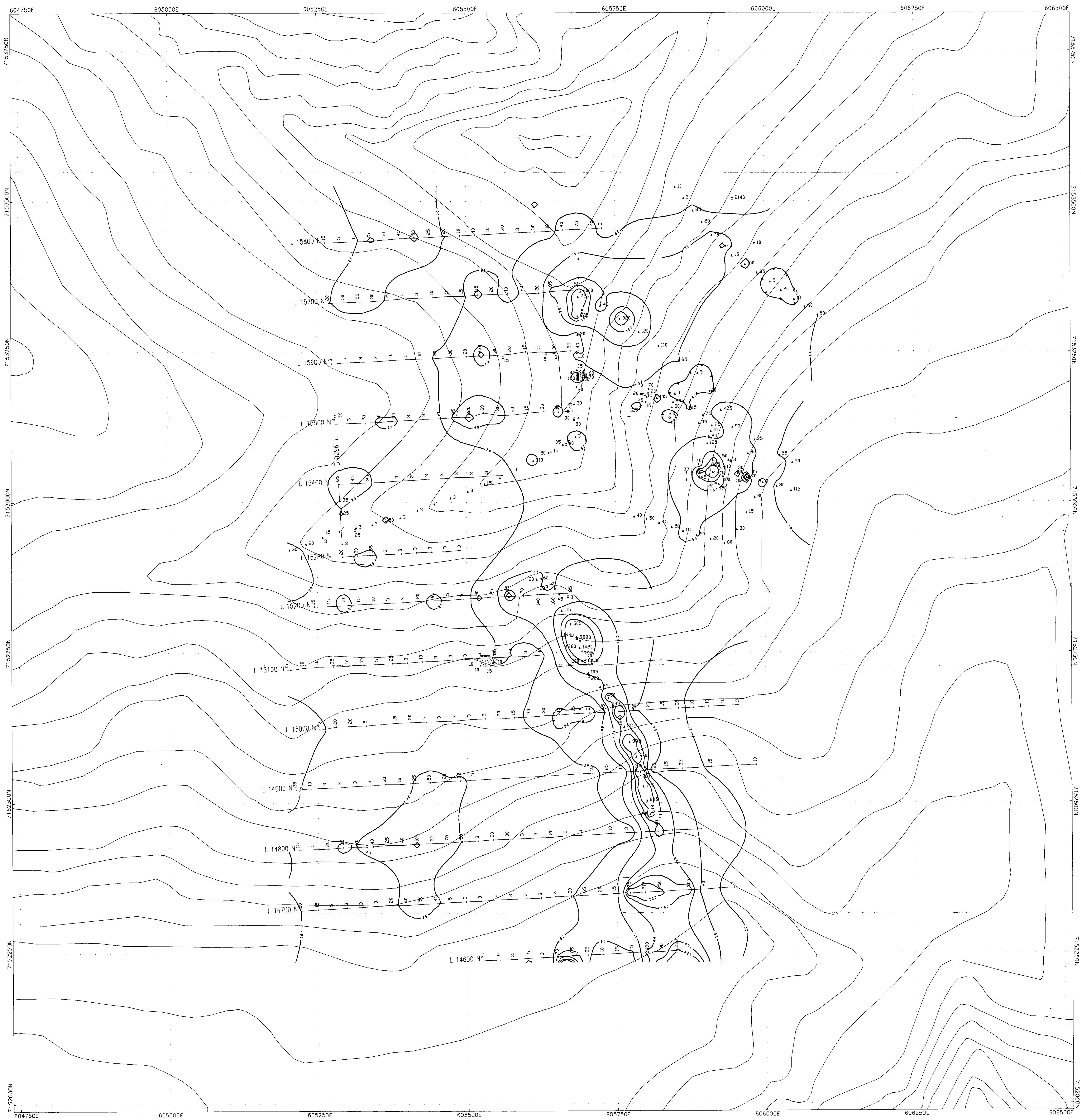
In addition there are 43 boxes (unlabelled) - all monzonite. These are presumably from holes 83-36 and 37.

In 1985 two holes (85-1,2) were drilled in the Mt. Brenner Valley, 2 km south of Scoville Lake.

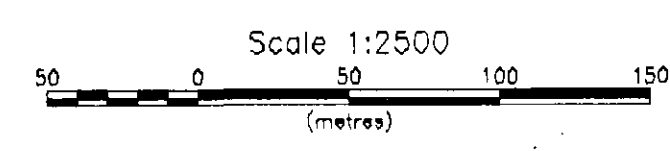
Of this core the following is now in the DIAND core library in Whitehorse.

Hole 85-1	290.18 meters to 346.53 meters
Hole 86-1	2 boxes starting at 430 and 481.

The remainder of this core is presumably at the 1985 campsite but this was not checked out in 1996.



- ▲105 Traverse Soil Sample, Element Value
- 200 Rock Sample Location, Element Value
- 200 Stream Sediment Sample, Element Value

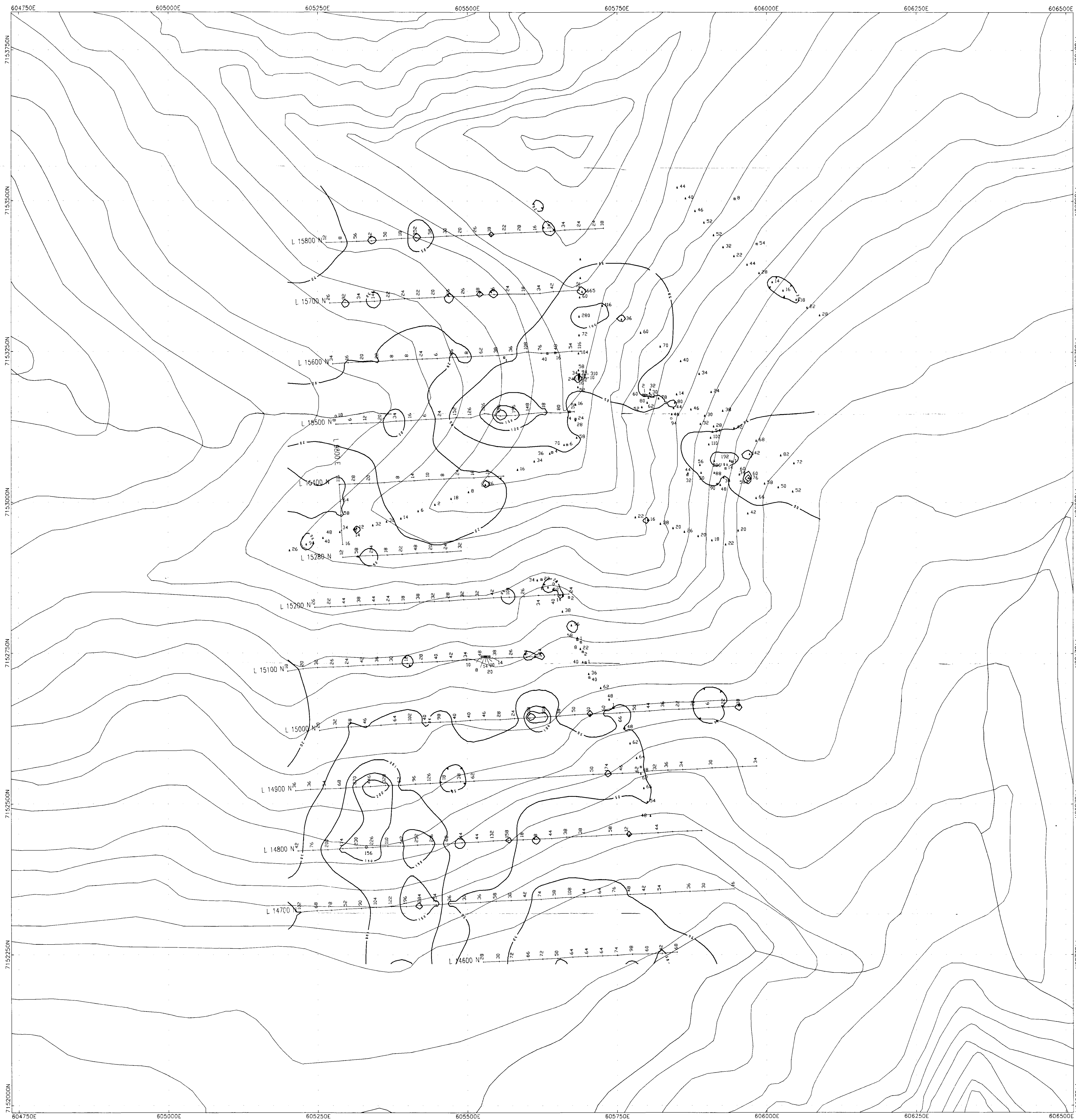


Gold in ppb
(Soil Value Contours)

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Figure 4

MARN
Grid, Regional Geochemistry
MapSheet : 116B08
Map Coordinates : UTM for Zone 07 (NAD27)
Processed By : R. Fenton Date : August 14, 1996
BATTLE MOUNTAIN CANADA LIMITED



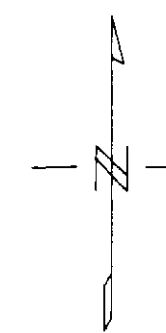
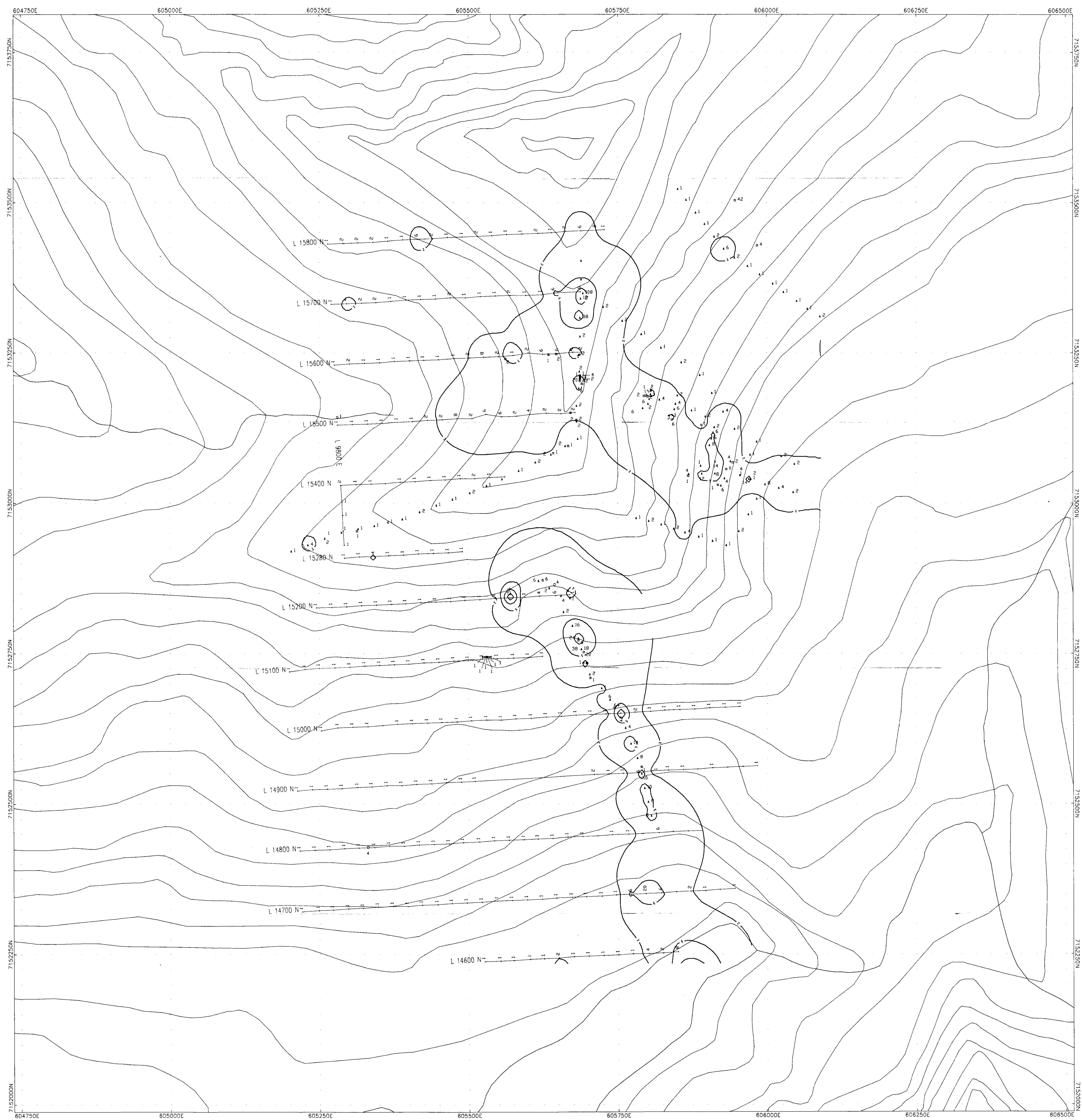
- 105 Traverse Soil Sample, Element Value
200 Rock Sample Location, Element Value
200 Stream Sediment Sample, Element Value

Scale 1:2500
(metres)

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Arsenic
(Soil Value Contours)

Figure 5

MARN
Grid, Regional Geochemistry
MapSheet : 116B08
Map Coordinates : UTM for Zone 07 (NAD27)
Processed By : R.Fenton Date : August 14, 1996
BATTLE MOUNTAIN CANADA LIMITED



105	Traverse Soil Sample, Element Value
200	Rock Sample Location, Element Value
200	Stream Sediment Sample, Element Value

Scale 1:2500

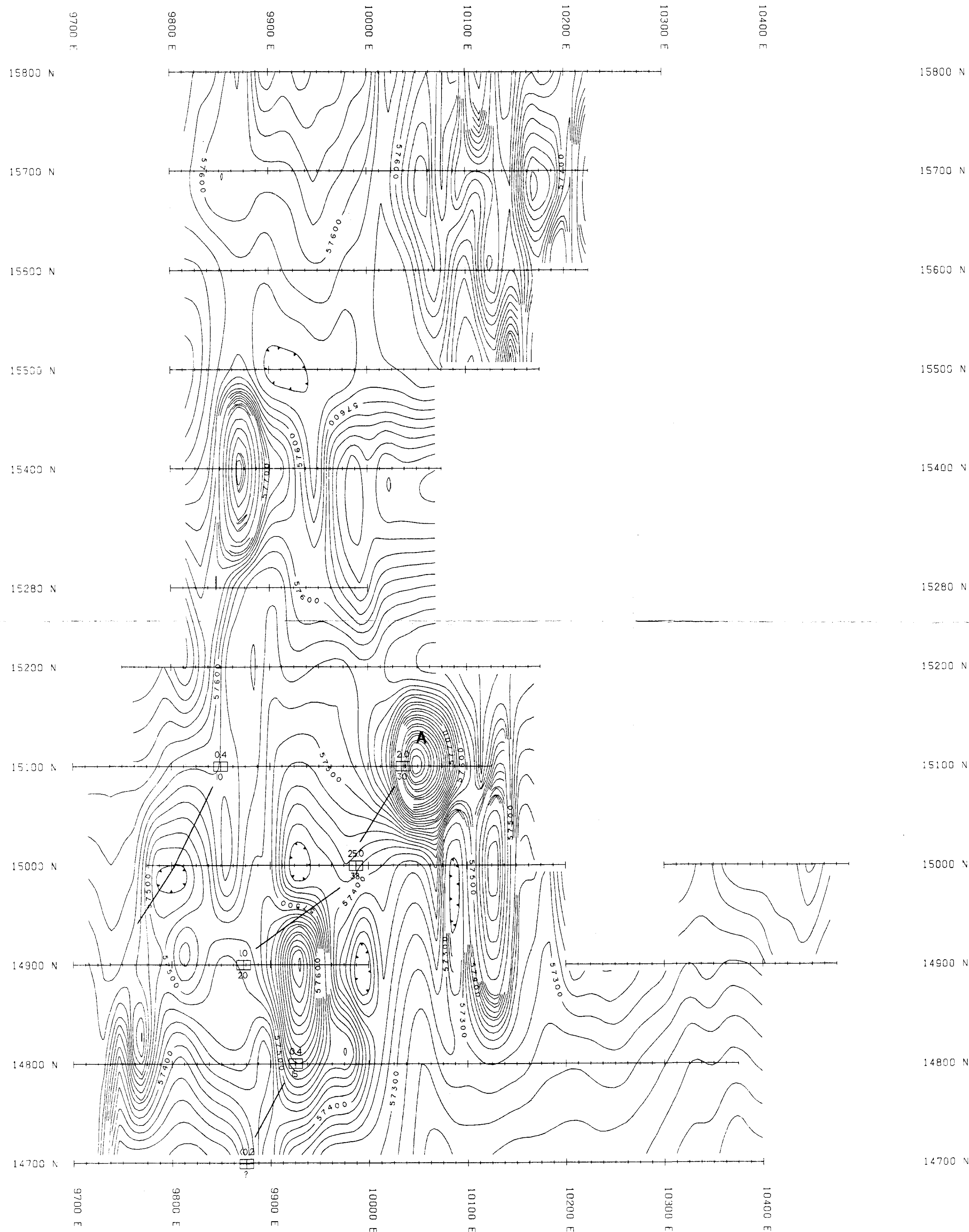
(metres)

Bismuth
(Soil Value Contours)

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Figure 6

MARN
Grid, Regional Geochemistry
MapSheet : 116B08
Map Coordinates : UTM for Zone 07 (NAD27)
Processed By : R.Fenton Date : August 14, 1996
BATTLE MOUNTAIN CANADA LIMITED



INTERPRETATION

- 50 - Conductance at 1760 Hz in Siemens (mhos)
- 15 - Depth to top in metres

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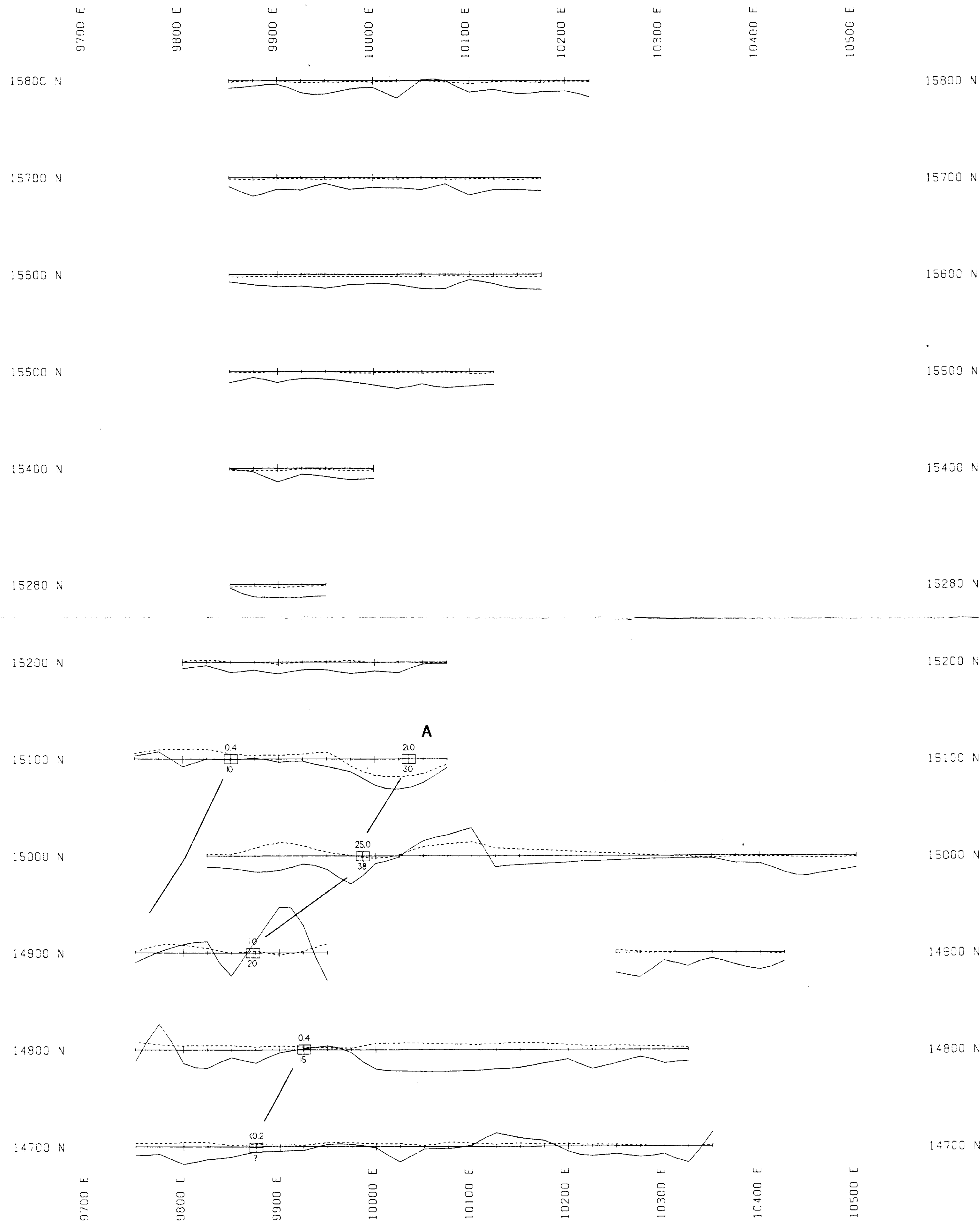
Contour interval: 20 nT



0 100 metres

Fig. 7

BATTLE MOUNTAIN CANADA LTD.	MARN PROPERTY ④
Total Magnetic Field Contour Map	MINING DISTRICT: DAWSON
	NTS: 1:6 B 7 SCALE: 1:2,500
	OPERATOR: M.P. / R.K.
AMEROK GEOSCIENCES LTD.	DATE: 27 JUL 96 FIGURE:

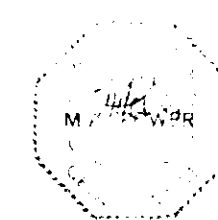


INTERPRETATION

50 - Conductance at 1760 Hz in Siemens (mhos)
5 - Depth to top in metres

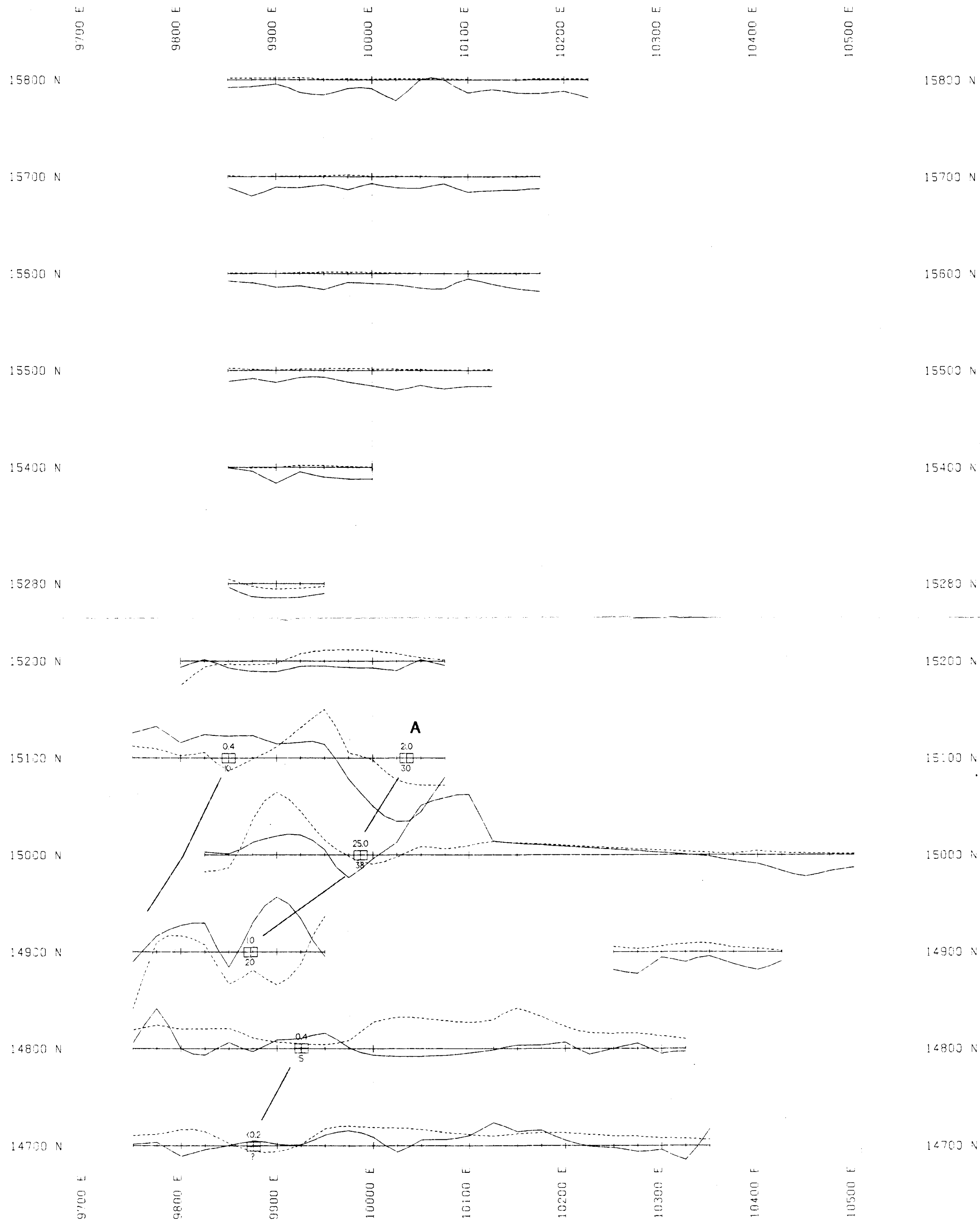
+10% Hz
-10% Hz
n-phase
Quadrature

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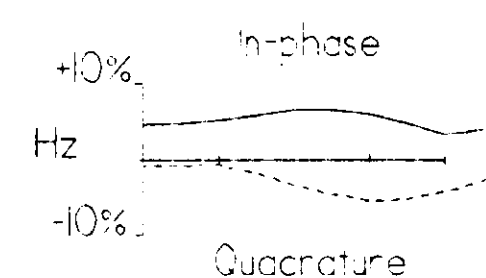
0 100 metres

Fig. 8



INTERPRETATION

- SC - Conductance at 760 Hz in Siemens (mhos)
- 5 - Depth to top in metres



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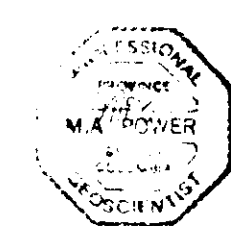
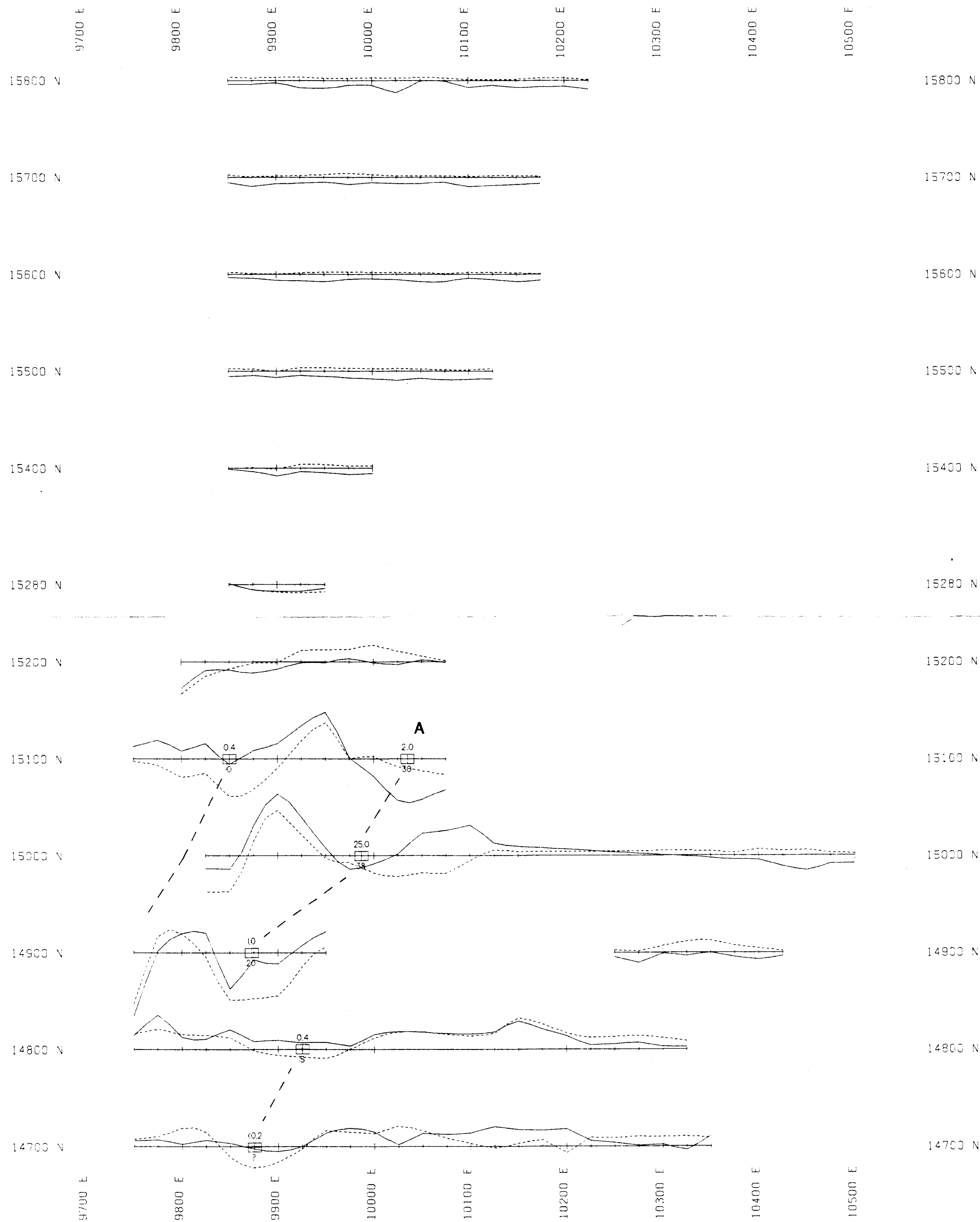


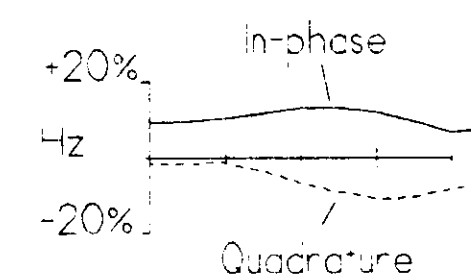
Fig. 9

BATTLE MOUNTAIN CANADA LTD.	MARK PROPERTY
Maxim 1-9 Survey	MINING DISTRICT, DAWSON
1760 Hz - 100 m Coils	N.T.S. 6 B 7 SCALE 1:2500
OPERATOR: M.P. / R.K.	DATE: 27 JUL 96
AMEROK GEOSCIENCES LTD.	FIGURE



INTERPRETATION

- 50 - Conductance at 760 Hz in Siemens (mhos)
- 5 - Depth to top in metres



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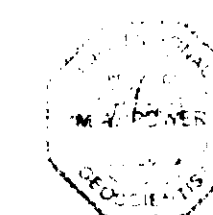
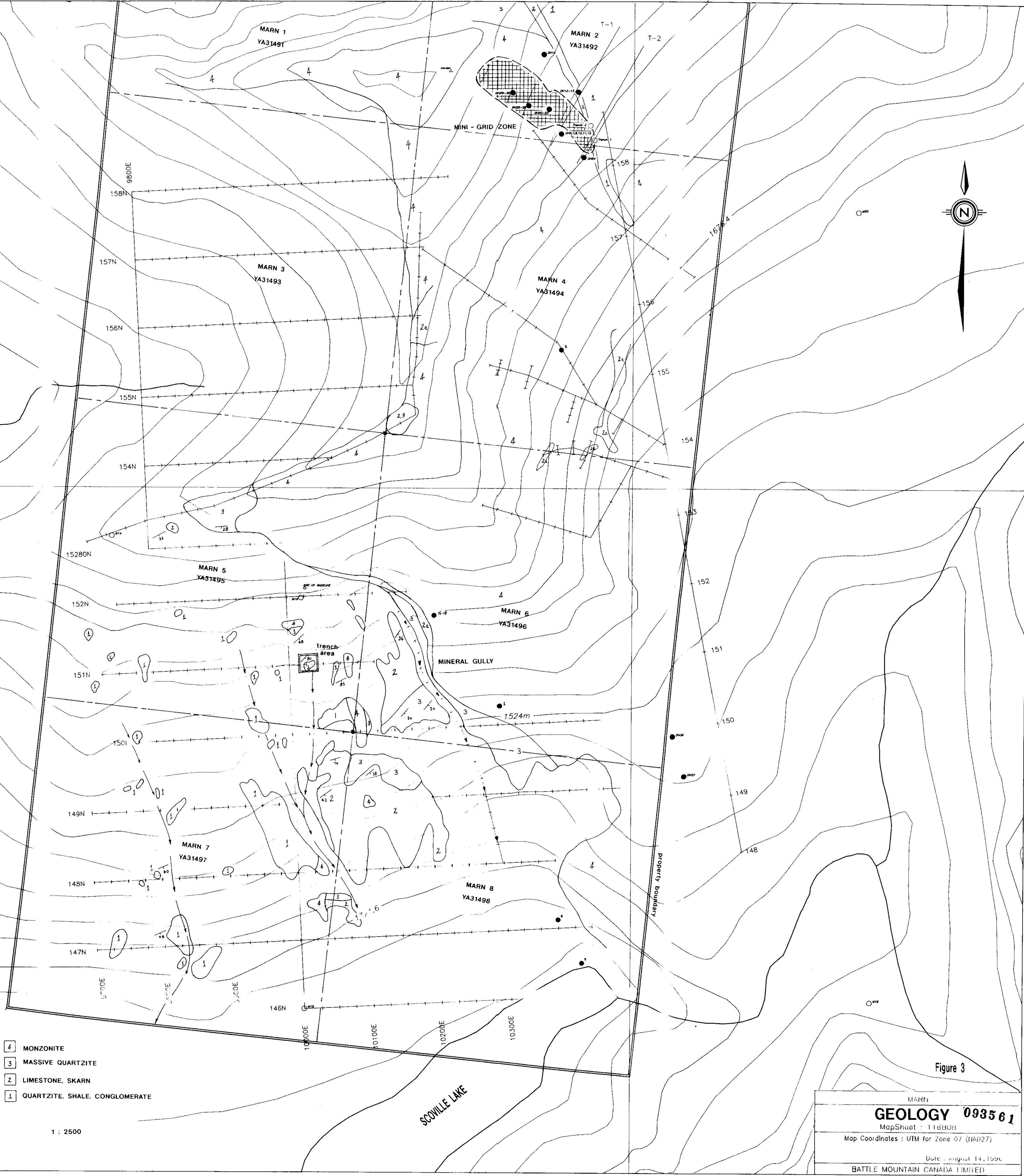


Fig. 10

BATTLE MOUNTAIN CANADA LTD.	MARN PROPERTY
Maxim I-9 Survey	MINING DISTRICT: DAWSON
7040 Hz - 100 m Coils	NTS: 6 B 7 SCALE: 1:2500
	OPERATOR: MP / R.K.
AMEROK GEOSCIENCES LTD. DATE: 27 JUL 96	FIGURE:



- 4 MONZONITE
- 3 MASSIVE QUARTZITE
- 2 LIMESTONE, SKARN
- 1 QUARTZITE, SHALE, CONGLOMERATE

1 : 2500

Figure 3

MARN
GEOLOGY 093561
MapSheet : 116B08
Map Coordinates : UTM for Zone 07 (NAD27)
Date : August 14, 1996
BATTLE MOUNTAIN CANADA LIMITED