86-894-15455

GEOCHEMICAL AND GEOPHYSICAL REPORT

ON THE MISTY, MISTY I AND MISTY II

MINERAL CLAIMS

SKEENA MINING DIVISION
NTS 103I/10W, 15W
Lat. 54°~~45~~'N 44.7' Long. 128°~~84~~'W 53.3'

for

Owner/Operator: MASCOT GOLD MINES LIMITED
1440 - 800 West Pender Street
Vancouver, B.C.
V6C 2V6

January 8, 1987

Ken McNaughton, M.A.Sc., P. Eng.
Project Geologist

INDEX

LIST OF FIGURES

LIST OF APPENDICES

SUMMARY

The purpose of this program was to locate new gold showings as well as extend those that have already been uncovered. A program including soil sampling, geophysics and prospecting was initiated on June 27th and completed July 18th.

Survey lines, totalling 13 km, were flagged and sampled at 25 m intervals. A known soil anomaly was extended to the northeast in addition to finding four new anomalies.

The VLF-EM survey was unsuccessful in detecting the known quartz veins. Two conductors were located, one is as yet unexplained, the second was a barren graphitic shear.

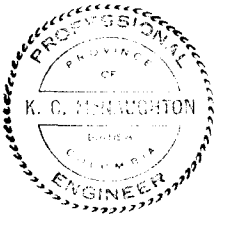
The magnetic relief is low throughout the property except at the intrusive-sediment contact where the higher magnetic diorites stand out against the sediments.

Float from several new quartz showings was found in the diorite. Gold values ranged up to 2650 ppb with 30.0 ppm Ag. The highest silver assay detected was 138.0 ppm.

Additional work is recommended for the property and should be conducted during July or August.

Respectfully submitted,

MASCOT GOLD MINES LIMITED



Ken McNaughton, M.A.Sc., P. Eng.
Project Geologist

1.0 INTRODUCTION

The purpose of this program was to locate new gold showings as well as enhancing the extent of those already uncovered. To meet this end, a program of soil sampling, geophysical surveys and prospecting was laid out.

Steep terrain and poor weather were believed to be the main limiting factors on the program. In time, this assumption was proven correct.

1.1 Location and Access

The Misty property is situated 32 km northeast of Terrace, B.C. on the south facing slope of Mt. Allard, N.T.S. 103I/10, 15. The camp was located at treeline (3500' ASL) at 54°45'N latitude, 128°53' longitude (Figures 1, 2).

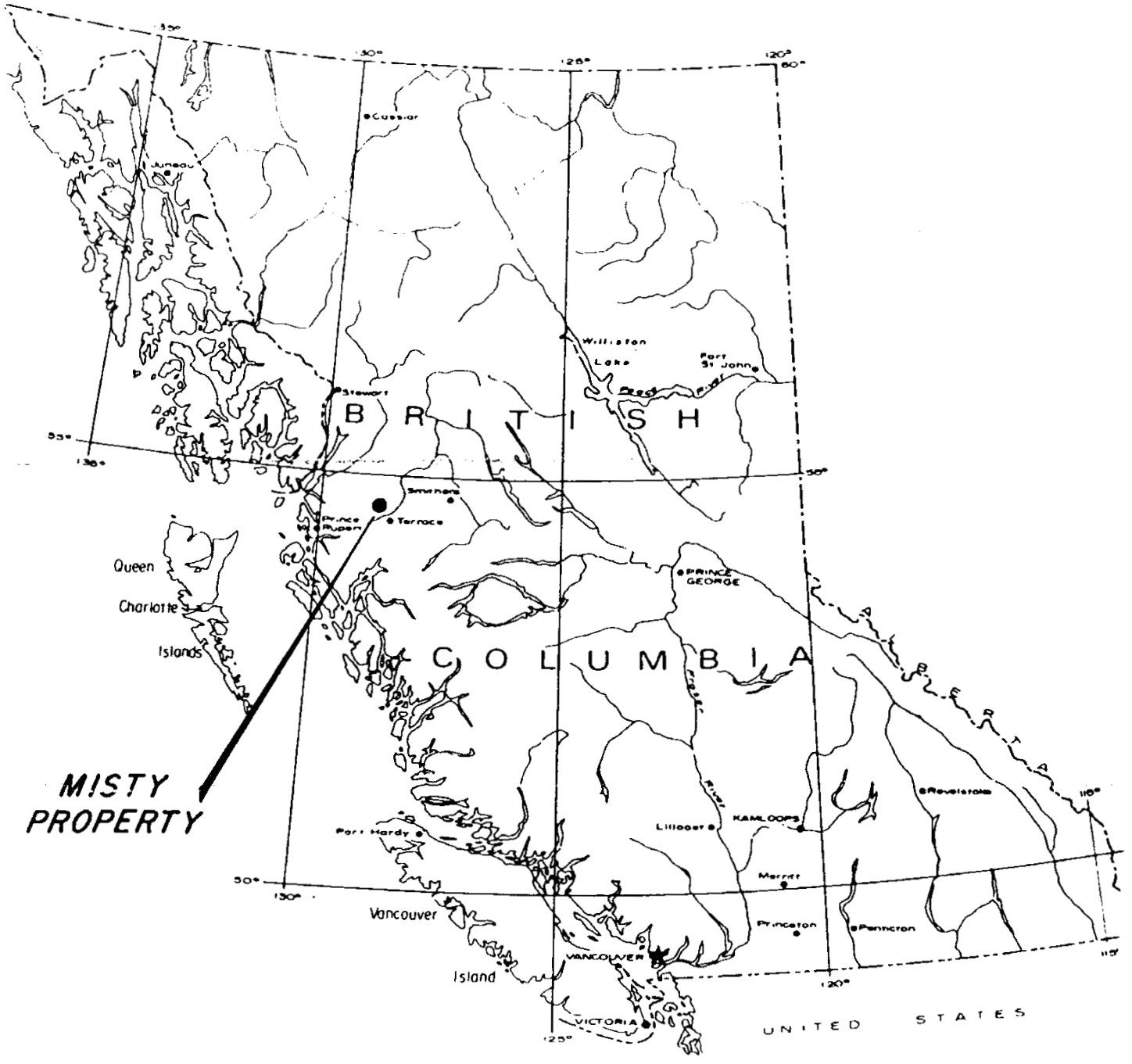
Access to the main showings is by helicopter from Terrace. A landing pad was dug near an old camp. A recently constructed logging road runs along the eastern claim boundary.

An overgrown logging road exists along the southern boundary of the claim.

1.2 Claims

The property is comprised of the following claims:

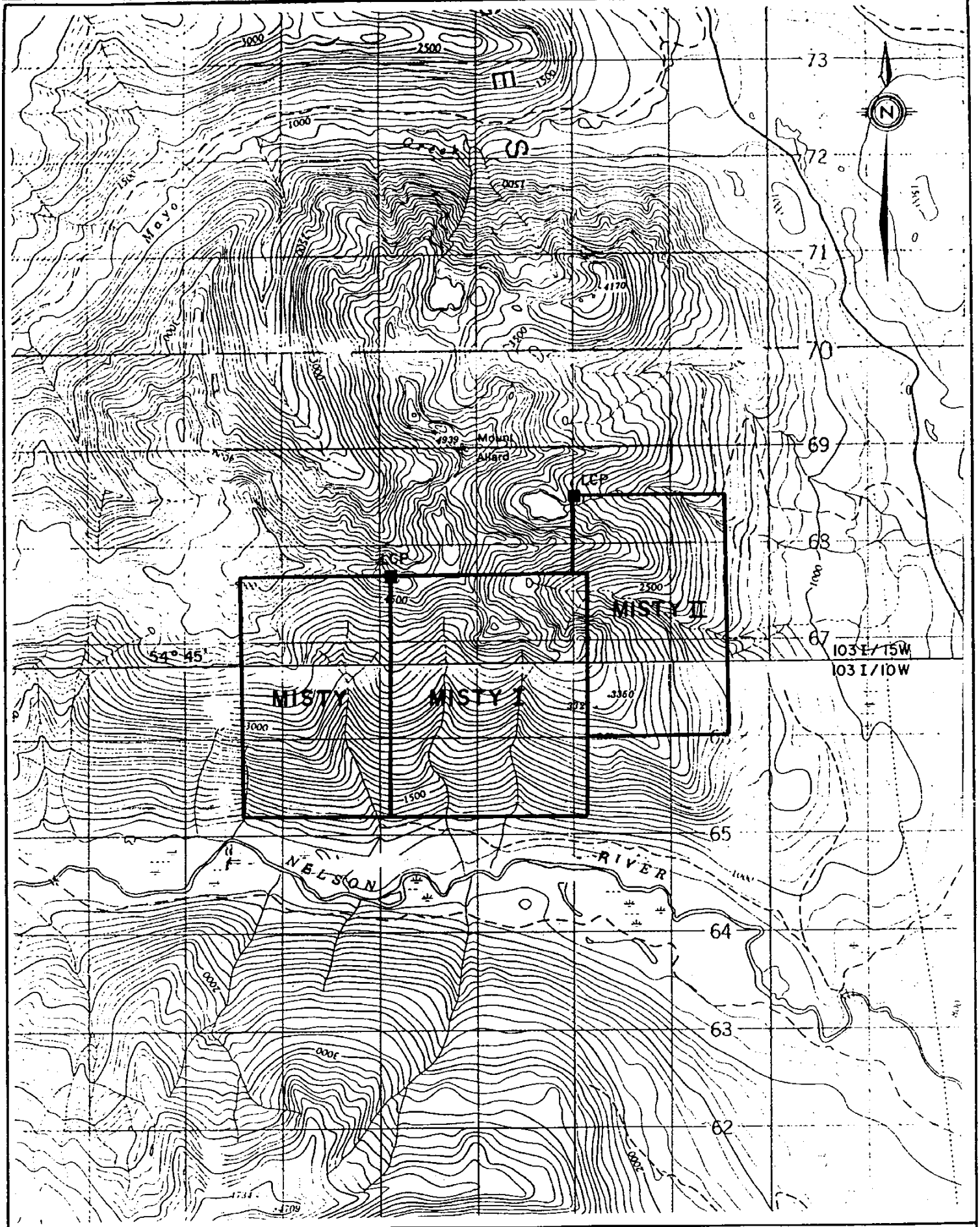
Claim #	Number of Units	Date Recorded	Expiry Date	Record Number
Misty	15	June 27/79	June 27/93	1684(6)
Misty I	20	Sept. 22/81	Sept. 22/92	3235(9)
Misty II	15	Oct. 31/82	Oct. 13/93	3562(10)



Mascot Gold Mines Limited

MISTY PROJECT
PROPERTY LOCATION

DATE	SCALE	DRAWING No.
JAN./1987		1



Mascot Gold Mines Limited

MISTY PROJECT
CLAIM MAP

DATE: JAN./1987	SCALE: 1:50,000	DRAWING No. 2

1.3 Physical Setting

The Misty claim lies within the Kitimat Ranges sections of the Coast Mountains physiographic subdivision, and 10 km west of the boundary with the Nass Ranges section of the Hazelton Mountains physiographic subdivision.

The region is characterized by steep valleys and rugged, glacially carved peaks (Plate I). In the area of this Misty property the local reliefs are 4,000 to 5,000 feet (1200--1525 m). The property itself has slopes from 25 to 35°, and cliffs are present in creek canyons.

More than half the property is below treeline. The vegetation is Pacific coastal rain forest. Mature stands of Douglas Fir and Hemlock reach 50 to 70 m in height, with butt widths of one-half to three-quarters of a metre. Slide zone along creeks are choked with slide alder, devil's club, buck brush and stinging nettle. Above treeline the vegetation is mainly blueberry, huckleberry and heather.

The weather in the area is that of normal coastal conditions, with generally wet summers and heavy winter snowfalls.

Helicopter access to the property is frequently prevented by fog, up to several days at a time.

1.4 Geology

The Misty property is located on the northeast-southwest trending contact between the dioritic intrusions of the Cretaceous Coast Crystalline Complex, and the fine-grained sedimentary and volcanic sequence of the Upper Jurassic to Lower Cretaceous Bowser (Lake) Group.

Rocks of the Coast Crystalline Complex consist of medium-grained granodiorite, quartz diorite and hornblende granodiorite. Bowser (Lake) Group rocks on the Misty consist mainly of argillites, shale, sandstones and siltstones. Feldspar porphyry dykes of acid to intermediate composition, and thought to be Tertiary in age, cut the sediments in an E.N.E. direction.

Quartz veins were found within the argillites by prospecting uphill from a soil geochemical anomaly. The veins have a reported width of up to 1 m, an exposed strike length of 200 m with a vertical expression of 100 m on surface. The veins are sheeted, sugary quartz, with pyrite, arsenopyrite and locally intense limonite stain.

Gold is reported to occur as small flakes, nuggets and occasional dendritic masses having crystal faces. In the course of this program, flakes of fine gold were observed in previously exposed vein material.

The highest assay returned to date is 21.6 gm Au/tonne (0.63 oz Au/ton) from a 0.6 m wide chip sample. The coarse nature of the gold created difficulties in obtaining reproducible assays from check samples. The highest assayed obtained from a core sample was 4.7 gr/tonne across .77 m. Extremely poor drill core recoveries are blamed for the large difference is assay values between surface and core samples.

1.5 History

The Misty claim was staked by C.C.H. Resources Ltd. on June 22, 1979, in response to a British Columbia Department of Mines regional geochemical Open File release. A preliminary prospecting program was carried out in September of that year, and a reconnassance soil sampling and geological mapping project was done on the claim and adjacent ground during the summer of 1980.

A more detailed program in 1981 consisted of staking the Misty I claim, grid establishment over the highest reconnaissance geochemical anomaly, geological mapping and geochemical soil sampling.

Encouraging results from the 1981 survey prompted a 1982 program of trenching, rock geochemistry and drilling. An additional claim, the Misty II was staked to cover ground to the N.E., on trend with the N.E.-S.W. striking geochemical anomaly (Figure 2).

In August, 1980, Misty claim was sold to C.C.H. Resources' parent company, Campbell Chibougamau Mines Ltd. Campbell Chibougamau subsequently underwent a reorganization and name change to Campbell Resources Inc. The claim was sold to another wholly owned subsidiary, C.C.H. Minerals Ltd. on April 6, 1981. Mascot Gold Mines Limited acquired the claim group in July, 1984.

2.0 1986 PROGRAM

Field work was performed on the property between June 27 to July 18th. A new camp was established approximately 1 km east of the old camps, on the southeast corner of the mountain. Plywood floors were left in place but are expected to be destroyed by the winter snow pack.

Three east-west baselines were set out at 105N, 107N and 102N to avoid untraversable terrain (Figure 3). Survey lines totalling 13 km were oriented north-south, hip-chained and compassed with 25 m stations. All lines were slope connected.

Prospecting was carried out in areas outside of the main showings.

2.1 Geochemical Survey

An attempt was made to recover a B-horizon soil sample at every station, except along 3 km of re-established line over the old grid. Reconnaissance line 98E was sampled at 50 m intervals in order to increase the area covered.

Sampling was prevented in many areas by a lack of soil above tree-line and a thick humus layer below.

All samples were shipped to Acme Analytical Laboratories in Vancouver for gold and a 30 element I.C.P. analysis. The results for Au, Ag, As are shown on Figure 3.

The threshold of the soil anomalies was defined as the mean plus two standard deviations of the populations. All three sets of data (Au, Ag, As) required filtering to remove extremely anomalous values. The threshold of the raw data was calculated. Anomalous values were removed from the population and the mean and standard deviation recalculated on the filtered data.

The threshold values were calculated to the be 25 ppb for Au, 0.8 ppm for Ag and 200 ppm for As.

Several areas with significant soil anomalies were outlined by the survey and are as follows:

1) L100E, 102E, 103E around 99+50N - coincident Au, Ag, As
2) L106E, 108E at 107+50N - high Au
3) L108E, 109E between 105N and 107N
   - extension of soil anomaly for
   - locally coincident Ag, As
4) L111E at 10 N - coincident Au, Ag, As
5) L115E, 117E, 119E between 107N to 108N
   - broad As anomaly
   - Au, Ag locally coincident

There are numerous other single sample anomalies which are locally anomalous in more than one element. These samples may reflect a bedrock source, however, due to their restricted nature, they are not considered significant.

Silt samples were collected from the creek which drains the northwest corner of the property. No anomalous gold values were detected, although the arsenic levels are increasing upstream but are not anomalous.

2.2 Geophysical Survey

Geophysical surveys including VLF-EM and total field magnetics were run over portions of the grid. A complete geophysical report in included in Appendix 1.

Poor weather conditions and the steep terrain severely hampered both surveys. As a result, the VLF survey was run over 8.725 km and the magnetic over 7.8 km of the grid.

A single line anomaly was discovered on line 119E at 98+50N. No anomalous soil geochemistry is associated with the conductor.

A second conductor crosses lines 100E through 104E and has its greatest conductance at 104+25N on line 102E. A 0.5 m by 10 m hand trench dug on line 102E revealed the conductor to be a barren, graphitic shear.

The known quartz veins showed no response to the VLF survey.

The magnetic survey was successful in locating the sediment-intrusion contact. The magnetic response away from the contact exhibited low relief.

2.3 Prospecting

Prospecting was conducted mainly above treeline in the cirques and valleys on the property. All of the old trenches were visited but no new sampling was done. A late thaw of the snow pack made areas at the higher elevations unaccessible.

No new mineralized quartz veins were located in the sediments. Sample KR-86-061 is from mineralized quartz float found in a talus slope close to the sediment-intrusive contact and contained 2100 ppb Au and 17.1 ppm Ag. The source of the float was not located.

Additional prospecting targeted the diorite intrusive in the northwest corner of the property. All of the values reported are from chip samples collected from float trains. In most cases, the source of the float could not be located and is presumed to be buried under the talus.

Epidote alteration of the diorite talus increased towards the quartz float. Quartz float trains ranged in width from a few meters up to tens of meters.

Most of the quartz samples contained anomalous gold values and were mineralized with pyrite, specular hematite, galena and possibly tetrahedrite. Silver contents were much higher than gold and in general reflected the gold values.

Some samples of particular interest are:

Sample #	Au (ppb)	Ag (ppm)
KR-86-065	215	79.5
KR-86-067	200	50.5
KR-86-069	510	5.5
KR-86-072	2650	30.0
KR-86-078	665	138.0
KR-86-080	1300	7.7

Arsenic levels correlate extremely well with gold in samples KR-86-069 through 072 but do not exceed background in any other sample.

Samples of the altered diorite contained low gold and silver values.

3.0 CONCLUSIONS

The extent of the known quartz veins was not enlarged during this program by either geophysical methods or prospecting.

The VLF-EM survey was successful in locating two conductors, one of which was caused by a barren, graphitic shear zone. The second is as yet unexplained.

The magnetic relief was very low throughout the property except in the area of the diorite-sediment contact, where the higher magnetic diorite stood out against the lower sediments.

Soil geochemistry detected four new anomalous areas and extended a known zone to the northeast. Gold values in the soils ranged up to 590 ppb and are locally coincident with anomalous silver and arsenic values.

Prospecting was successful in locating float from several new quartz showings, mainly in the diorite intrusive. The source of the float could not be located.

Gold values ranged up to 2650 ppb Au with 30.0 ppm Ag. The highest silver value detected was 138.0 ppm.

Wall rock alterations comprised epidote and chlorite flooding which increased towards the quartz structures, as indicated by the talus.

The quartz float sampled in the northwest corner of the claim is much higher in arsenic than samples from elsewhere on the property. This may be an indication of a separate mineralizing event.

STATEMENT OF EXPENDITURES

Accommodations - 24 man days @ $50.00/man day	$1,200
Analytical - 336 soil samples @ $10.75, 8 pulverized at $3.00 - 3 silt samples @ $14.00 - 87 rock samples @ $14.00, 1 assay @ $10.00	4,066
Communications	100
Drafting (Estimated)	600
Field Supplies	4,568
Food - 80 man days @ $28.00/man day	2,240
Geophysical Studies - 1900 Mob-Demob - 6 days @ $565/day rental and operator - 1 day @ $275/day interpretation	5,565
Helicopter Transport - 8.2 hrs. @ $525.25/hr.	4,307
Mascot Salaries - Project Geologist 31 days @ $180/day - 2 Field Assistants 23 days @ $230/day	10,250
Operations - Land Management	2,130
Printing	190
Shipping	43
Vehicle Operations - Gasoline	310
Vehicle Rental - 1 month @ $963/month	963
TOTAL	$36,532

LIST OF PERSONNEL

Ken McNaughton	- Project Geologist	
	- June 25 to July 21	27 days
	- January 1, 1987 to Jan 4	4 days
Bob Bogusz	- Field Assistant	
	- June 26 to July 18	23 days
Lorne Wilkinson	- Field Assistant	
	- June 26 to July 18	23 days
Tom Matich	- Geophysical Operator	
	- July 8 to July 14	7 days
John Martin	- Geophysical Operator	
	- July 8 to July 14	7 days

STATEMENT OF QUALIFICATIONS

I, Ken McNaughton, of 265 Riverside Drive, North Vancouver, B.C. V7H 1V1 state that:

1) I am a 1981 graduate of the University of Windsor, Windsor, Ontario, with a B.A.Sc. Degree in Geological Engineering.

2) I am a 1983 graduate of the University of Windsor, Windsor, Ontario with a M.A.Sc. Degree in Geological Engineering.

3) I am a Professional Engineer, registered in the Province of British Columbia.

4) I have been employed in the mining industry prior to my graduation and that I have practiced my profession since April, 1983 as follows:

1984 - 1987	Mascot Gold Mines Limited Vancouver, B.C.
1984	Borealis Exploration Ltd. Calgary, Alberta
1983	538162 Ontario Ltd. London, Ontario

5) I am presently employed as a Project Geologist with Mascot Gold Mines Limited, 1440 - 800 West Pender Street, Vancouver, B.C. V6C 2V6.

6) That I am the author of this report which is based on public and property reports plus on site investigation.

7) That I was on site during the period from June 27th to July 18, 1986 to supervise ground geophysical and geochemical surveys which provide the basis for this report.

8) That I have no interest, direct or indirect, in the property discussed in this report or in the securities of Mascot Gold Mines Limited nor do I expect to receive any.

9) That this report may be used for the development of the property, provided that no portion may be used out of context in such a manner as to convey meanings different from that set out in the whole.

10) Consent is hereby given to Mascot Gold Mines Limited to reproduce this report or any part of it for the purposes of development of the property, or facts relating to the raising of funds by way of a prospectus and/or statement of material facts.

SIGNED AT VANCOUVER, BRITISH COLUMBIA
THIS 8TH DAY OF JANUARY, 1987.

KEN McNAUGHTON, M.A.Sc., P. Eng.

APPENDIX 1

GEOPHYSICAL REPORT

Submitted by

Ed Rockel

of

INTERPRETEX RESOURCES LTD.

APPENDIX I

GEOPHYSICAL SURVEYS file name: MISTYRPT

1. INTRODUCTION

1.1 SURVEY SPECIFICATIONS

Survey Parameters

- survey line separation - 100 meters and normal 200 meters
- survey station spacing - 25 meters
- horizontal control - survey lines were located with flagging bearing station coordinates (felt marker pen)
- base line direction - east-west
- survey lines were perpendicular to the base line
- survey totals - VLF EM survey 8.725 km.
  - magnetic survey 7.8 km.

Equipment Parameters

VLF Electromagnetic Survey

- Geonics EM-16 used for all survey
- transmitting station - Hawaii
- direction faced - northwesterly
- in-phase (dip angle) and out-of-phase (quadrature) components measured in percent at each station

Total Field Magnetic Survey

- Geometrics G-816 magnetometer
- Geometrics G-856 automatic magnetic base station
- measured total magnetic field in gammas
- magnetic variations controlled by automatic magnetic base station recording every 30 seconds
- instrument accuracy +/- 1 gamma
- station repeatability better than +/- 3 gammas

Calculations

VLF Electromagnetic Survey

No calculations were performed on VLF EM data.

Total Field Magnetic Survey

Total field magnetic readings were individually corrected for variations in the earth's magnetic field using magnetic base station values recorded at the same time. The effects of changes in magnetic content of operator's clothing or different batteries used in the magnetometer were controlled by re-occupying operator field base stations at the beginning and end of each day during the survey. An "operator adjust" correction was then applied where applicable.

Equipment Specifications - as follows

GEONICS LIMITED
VLF EM 16

Source of Primary Field:	VLF transmitting stations
Transmitting Stations Used:	Any desired station frequency can be supplied with the instrument in the form of plug-in tuning units. Two tuning units can be plugged in at one time. A switch selects either station.
Operating Frequency Range:	About 15-25 Hz
Parameters Measured:	(1) The vertical in-phase component (tangent of the tilt angle of the polarization ellipsoid). (2) The vertical out-of-phase (quadrature) component (the short axis of the polarization ellipsoid compared to the long axis).
Method of Reading:	In-phase from a mechanical inclinometer and quadrature from a calibrated dial. Nulling by audio tone.
Scale Range:	In-phase ±150%; quadrature ±40%
Readability:	±1%
Reading Time:	10-40 seconds depending on signal strength
Operating Temperature Range:	-40 to 50° C.
Operating controls:	ON-OFF switch, battery testing push button, station selector, switch, volume control, quadrature, dial ±40%, inclinometer dial ±150%
Power Supply:	6 size AA (penlight) alkaline cells. Life about 200 hours
Dimensions:	42 x 14 x 9 cm (16 x 5.5 x 3.5 in)
Weight:	1.6 kg (3.5 lbs)
Instrument Supplied With:	Monotonic speaker, carrying case, manual of operation, 3 station selector plug-in tuning units (additional frequencies are optional), set of batteries
Shipping Weight:	4.5 kg (10 lbs.)
Name and Address of Manufacturer:	Geonics Limited 1745 Meyerside Drive/Unit 8 Mississauga, Ontario L5T 1C5

MODEL G-816

PORTABLE PROTON MAGNETOMETER

Sensitivity:	±1 gamma throughout range
Range:	20,000 to 90,000 gammas (worldwide)
Tuning:	Multi-position switch with signal amplitude indicator light on display
Gradient Tolerance:	Exceeds 800 gammas/ft
Sampling Rate:	Manual pushbutton, one reading each 6 seconds
Output:	5 digit numeric display with readout directly in gammas
Power Requirements:	Twelve self-contained 1.5 volt "D" cell universally available flashlight-type batteries. Charge state or replacement signified by flashing indicator light on display.
Temperature Range:	Console and sensor: -40° to +85°c Battery pack: 0° to +50°C (limited use to -15°C; lower temperature battery belt operation - optional)
Accuracy (Total Field):	±1 gamma through 0° to ±50°C temperature range
Sensor:	High signal, noise cancelling, interchangeably mounted on separate staff or attached to back pack
Size:	Console: 3.5 x 7 x 11 inches (9 x 18 x 28 cm) Sensor: 3.5 x 5 inches (9 x 13 cm) Staff: 1 inch diameter x 8 ft. length (3 cm x 2.5 m)

Weight:		
Console (w/batteries):	5.5lbs.	2.8kgs.
Sensor and signal cable:	4.0lbs.	1.8kgs.
Aluminum staff:	2.0lbs.	0.9kgs.
Total Weight	11.5lbs.	5.2kgs.

EG & G Canada
Exploranium/Geometrics Division
Unit #1
640 Hardwick Road
Bolton, Ontario LOP 1AO

MODEL G-856

PROTON PRECESSION MEMORY MAGNETOMETER

Display	Six digit display of magnetic field to resolution of 0.1 gamma or time to nearest second. Additional three-digit display of station or day of year.
Resolution	Typically 0.1 gamma in average conditions. May degrade to lower resolution in weak fields, noisy conditions or high gradients.
Accuracy	One gamma, limited by remnant magnetism in sensor and crystal oscillator accuracy.
Clock	Julian clock with stability of 5 seconds per month at room temperature and 5 seconds per day over the temperature range of -20 to +50 degrees Celsius.
Tuning	Push button tuning from keyboard with current value displayed on request. Tuning range 20 to 90 kilogammas.
Gradient Tolerance	Tolerates gradients to 5000 gammas/meter. When high gradients truncate count interval, maintains partial reading to an accuracy consistent with data.
Cycle Time	Complete field measurement in three seconds in normal operation. Internal switch selection for faster cycle (1.5 seconds) at reduced resolution or longer cycles.
Manual Read	Takes reading on command. Will store data in memory on command at operator's discretion.
Self-Cycle	Internal switch will cause the instrument to self-cycle, storing automatically, for time dependent measurements. Available intervals are 5, 10 and 30 seconds, 1,2,5, and 10 minutes depending on switch position.
Memory	Stores 1,000 readings in portable mode, keeping track of time and station number. In base station operation, records last four digits of field at discrete intervals, allowing storage of over 2,500 readings.
Output	Plays data out in standard RS-232 format at selectable baud rates. Also outputs data in byte parallel, character serial BCD for use with digital recorders.
Inputs	Will accept an external sample command.
Special Functions	An internal switch allows adjustment of polarization time and count time to improve performance in marginal area or improve resolutuon or to speed operation.

cont'd

Physical	Instrument console: 7 x 10½ x 3½ inches (18 x 27 x 9 cm) 6 lbs (2.7 kg) Sensor: 3½ x 5 inches (9 x 13 cm) 4 lbs (1.8 kg) Staff: 1 inch x 8 feet (3 cm x 2.5 m) 2 lbs (1 kg)
Environmental	Meets specifications from 0 to 40 degrees Celsius. Operates satisfactorily from -20 to 50 degrees Celsius. Weatherproof.
Power	Operates from 8 D-cell flashlight batteries (or 12 volts external power). May be operated at 18 volts external power to improve resolution. Power failure or replacement of batteries will not cause loss of data stored in memory.
Standard Accessories	Sensor Staff Chest Harnes Two sets of batteries Operating Manual Applications Manual for Portable Magnetometers
Optional Accessories	RS-232 Interface Cable Rechargeable Battery Pack (mounts inside case in place of normal batteries) and Charger Cold weather battery belt Digital Tape Recorder with Interface Cables

EG & G Canada
Exploranium/Geometrics Division
Unit #1
640 Hardwick Road
Bolton, Ontario LOP 1AO

1.2 PRESENTATION

VLF Electromagnetic Survey

- VLF EM in-phase and out-of-phase readings are presented as tables in 1.3 VALUE TABLES showing values located with respect to line number and station number.
- VLF EM in-phase and out-of-phase readings are presented in profile form on a plan map at a scale of 1:5000.

Total Field Magnetic Survey

- Field and base station readings plus corrections and final magnetic values are presented as tables in 1.3 VALUE TABLES
- Final total field values are plotted in profile form on a plan map at a scale of 1:5000. A datum level of 57,300 gammas on the survey line was used for profiling.

Interpretation

- The VLF EM profile map has been used as an interpretation map including appropriate interpretation labeling.

1.3 VALUE TABLES

- Total Field Magnetic Data Corrections Worksheet

- VLF EM Matrix for In-phase and Out-of-phase readings

INTERPRETEX RESOURCES LTD.
TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET
GRID: "MISTY"
file name: MAG100E

BASE STATION DATUM: 57300 LINE # 100E
OPERATOR ADJUST: -2
AREA RANGE VALUE: 57000

STATION INTERVAL: 25 m. STATIONS - all northings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL.	(base enter)	(field enter)
9700	57265	-20	57318	57285	318	285
9725	57269	-20	57318	57289	318	289
9750	57265	-16	57314	57281	314	281
9775	57267	-17	57315	57284	315	284
9800	57273	-18	57316	57291	316	291
9825	57276	-19	57317	57295	317	295
9850	57284	-18	57316	57302	316	302
9875	57287	-18	57316	57305	316	305
9900	57297	-19	57317	57316	317	316
9925	57304	-20	57318	57324	318	324
9950	57302	-20	57318	57322	318	322
9975	57310	-19	57317	57329	317	329
10000	57321	-21	57319	57342	319	342
10025	57348	-19	57317	57367	317	367
10050	57382	-18	57316	57400	316	400
10075	57380	-18	57316	57398	316	398
10100	57372	-17	57315	57389	315	389
10125	57386	-15	57313	57401	313	401
10150	57392	-14	57312	57406	312	406
10175	57432	-14	57312	57446	312	446
10200	57436	-14	57312	57450	312	450
10225	57489	-13	57311	57502	311	502
10250	57429	-14	57312	57443	312	443
10275	57354	-16	57314	57370	314	370
10300	57385	-17	57315	57402	315	402
10325	57436	-17	57315	57453	315	453
10350	57448	-19	57317	57467	317	467
10375	57491	-16	57314	57507	314	507
10400	57477	-17	57315	57494	315	494
10425	57451	-18	57316	57469	316	469
10450	57453	-22	57320	57475	320	475
10475	57459	-24	57322	57483	322	483
10500	57464	-25	57323	57489	323	489
10525	57513	-24	57322	57537	322	537
10550	57495	-25	57323	57520	323	520
10575	57489	-26	57324	57515	324	515
10600	57452	-28	57326	57480	326	480
10625	57484	-29	57327	57513	327	513
10650	57522	-31	57329	57553	329	553
10675	57559	-30	57328	57589	328	589
10700	57582	-32	57330	57614	330	614
10725	57579	-33	57331	57612	331	612
10750	57656	-32	57330	57688	330	688

10775	57643	-31	57329	57674	329	674
10800	57918	-30	57328	57948	328	948
10825	58189	-31	57329	58220	329	1220
10850	58642	-31	57329	58673	329	1673
10875	58982	-30	57328	59012	328	2012
10900	58904	-30	57328	58934	328	1934
10925	59010	-27	57325	59037	325	2037
10950	59088	-25	57323	59113	323	2113

INTERPRETEX RESOURCES LTD.
TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET
GRID: "MISTY"
file name: MAG102E

BASE STATION DATUM: 57300 LINE # 102E
OPERATOR ADJUST: -2
AREA RANGE VALUE: 57000

STATION INTERVAL: 25 m. STATIONS - all northings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL.	(base enter)	(field enter)
9700	57255	-18	57316	57273	316	273
9725	57258	-19	57317	57277	317	277
9750	57263	-19	57317	57282	317	282
9775	57263	-18	57316	57281	316	281
9800	57262	-18	57316	57280	316	280
9825	57262	-18	57316	57280	316	280
9850	57268	-18	57316	57286	316	286
9875	57272	-17	57315	57289	315	289
9900	57275	-17	57315	57292	315	292
9925	57278	-17	57315	57295	315	295
9950	57283	-17	57315	57300	315	300
9975	57286	-16	57314	57302	314	302
10000	57300	-16	57314	57316	314	316
10025	57302	-17	57315	57319	315	319
10050	57309	-18	57316	57327	316	327
10075	57317	-17	57315	57334	315	334
10100	57329	-16	57314	57345	314	345
10125	57335	-15	57313	57350	313	350
10150	57346	-12	57310	57358	310	358
10175	57353	-13	57311	57366	311	366
10200	57369	-16	57314	57385	314	385
10225	57399	-16	57314	57415	314	415
10250	57396	-16	57314	57412	314	412
10275	57406	-14	57312	57420	312	420
10300	57437	-13	57311	57450	311	450
10325	57466	-13	57311	57479	311	479
10350	57459	-11	57309	57470	309	470
10375	57466	-10	57308	57476	308	476
10400	57474	-9	57307	57483	307	483
10425	57476	-7	57305	57483	305	483
10450	57481	-7	57305	57488	305	488
10475	57489	-2	57300	57491	300	491
10500	57517	-2	57300	57519	300	519
10525	57535	-3	57301	57538	301	538
10550	57555	-2	57300	57557	300	557
10575	57585	-2	57300	57587	300	587
10600	57630	-3	57301	57633	301	633
10625	57687	1	57297	57686	297	686
10650	57709	0	57298	57709	298	709
10675	57750	-2	57300	57752	300	752
10700	57796	-1	57299	57797	299	797

INTERPRETEX RESOURCES LTD.
TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET
GRID: "MISTY"
file name: MAG104E

BASE STATION DATUM: 57300 LINE # 104E
OPERATOR ADJUST: 0
AREA RANGE VALUE: 57000

STATION INTERVAL: 25 m. STATIONS - all northings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL.	(base enter)	(field enter)
9700						
9725						
9750						
9775						
9800						
9825						
9850						
9875						
9900						
9925						
9950						
9975						
10000						
10025						
10050						
10075						
10100						
10125						
10150						
10175						
10200						
10225						
10250						
10275						
10300						
10325						
10350						
10375						
10400						
10425	57455	-4	57304	57459	304	459
10450	57512	-2	57302	57514	302	514
10475	57447	-1	57301	57448	301	448
10500	57468	-1	57301	57469	301	469
10525	57489	-2	57302	57491	302	491
10550	57497	-2	57302	57499	302	499
10575	57541	-2	57302	57543	302	543
10600	57561	-3	57303	57564	303	564
10625	57579	-3	57303	57582	303	582
10650	57618	-4	57304	57622	304	622
10675	57614	-4	57304	57618	304	618
10700	57658	-5	57305	57663	305	663
10725	57684	-5	57305	57689	305	689
10750	57691	-5	57305	57696	305	696

10775	57795	-6	57306	57801	306	801
10800	57824	-6	57306	57830	306	830
10825	57891	-7	57307	57898	307	898

INTERPRETEX RESOURCES LTD.
TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET
GRID: "MISTY"
file name: MAG106E

BASE STATION DATUM: 57300 LINE # 106E
OPERATOR ADJUST: -2
AREA RANGE VALUE: 57000

STATION INTERVAL: 25 m. STATIONS - all northings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL.	(base enter)	(field enter)
9700						
9725						
9750						
9775						
9800						
9825						
9850						
9875						
9900						
9925						
9950						
9975						
10000						
10025						
10050						
10075						
10100						
10125						
10150						
10175						
10200						
10225						
10250						
10275						
10300						
10325						
10350	57349	-6	57304	57355	304	355
10375	57353	-6	57304	57359	304	359
10400	57363	-5	57303	57368	303	368
10425	57376	-5	57303	57381	303	381
10450	57359	-5	57303	57364	303	364
10475	57413	-5	57303	57418	303	418
10500	57438	-5	57303	57443	303	443
10525	57445	-5	57303	57450	303	450
10550						
10575						
10600						
10625						
10650						
10675						
10700						
10725						
10750						

INTERPRETEX RESOURCES LTD.
TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET
GRID: "MISTY"
file name: MAG109E

BASE STATION DATUM: 57300 LINE # 109E
OPERATOR ADJUST: 0
AREA RANGE VALUE: 57000

STATION INTERVAL: 25 m. STATIONS - all northings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL.	(base enter)	(field enter)
9700	57259	-26	57326	57285	326	285
9725	57263	-26	57326	57289	326	289
9750	57263	-26	57326	57289	326	289
9775	57263	-26	57326	57289	326	289
9800	57269	-26	57326	57295	326	295
9825	57428	-26	57326	57454	326	454
9850	57285	-26	57326	57311	326	311
9875	57284	-27	57327	57311	327	311
9900	57288	-26	57326	57314	326	314
9925	57287	-27	57327	57314	327	314
9950	57292	-27	57327	57319	327	319
9975	57298	-30	57330	57328	330	328
10000	57299	-30	57330	57329	330	329
10025	57302	-30	57330	57332	330	332
10050	57307	-31	57331	57338	331	338
10075	57309	-31	57331	57340	331	340
10100	57310	-31	57331	57341	331	341
10125	57316	-31	57331	57347	331	347
10150	57325	-31	57331	57356	331	356
10175	57333	-31	57331	57364	331	364
10200	57327	-32	57332	57359	332	359
10225	57342	-32	57332	57374	332	374
10250	57348	-32	57332	57380	332	380
10275	57348	-32	57332	57380	332	380
10300	57346	-25	57325	57371	325	371
10325	57361	-24	57324	57385	324	385
10350	57372	-24	57324	57396	324	396
10375	57376	-24	57324	57400	324	400
10400	57383	-24	57324	57407	324	407
10425	57383	-24	57324	57407	324	407
10450	57396	-24	57324	57420	324	420
10475	57417	-23	57323	57440	323	440
10500	57431	-23	57323	57454	323	454
10525	57421	-22	57322	57443	322	443
10550	57436	-22	57322	57458	322	458
10575	57448	-22	57322	57470	322	470
10600	57474	-22	57322	57496	322	496
10625	57461	-21	57321	57482	321	482
10650	57473	-21	57321	57494	321	494
10675	57518	-21	57321	57539	321	539
10700						
10725						
10750						

INTERPRETEX RESOURCES LTD.
TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET
GRID: "MISTY"
file name: MAG111E

BASE STATION DATUM: 57300 LINE # 111E
OPERATOR ADJUST: #1 0 #2 -1
AREA RANGE VALUE: 57000

STATION INTERVAL: 25 m. STATIONS - all northings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL.	(base enter)	(field enter)
9700	57261	-24	57323	57285	323	285
9725	57259	-24	57323	57283	323	283
9750	57262	-24	57323	57286	323	286
9775	57261	-25	57324	57286	324	286
9800	57265	-25	57324	57290	324	290
9825	57271	-24	57323	57295	323	295
9850	57276	-24	57323	57300	323	300
9875	57279	-23	57322	57302	322	302
9900	57279	-23	57322	57302	322	302
9925	57277	-23	57322	57300	322	300
9950	57280	-23	57322	57303	322	303
9975	57289	-23	57322	57312	322	312
10000	57294	-23	57322	57317	322	317
10025	57279	-22	57321	57301	321	301
10050	57317	-22	57321	57339	321	339
10075	57293	-22	57321	57315	321	315
10100	57401	-21	57320	57422	320	422
10125	57341	-21	57320	57362	320	362
10150	57337	-21	57320	57358	320	358
10175	57331	-21	57320	57352	320	352
10200	57337	-21	57320	57358	320	358
10225	57337	-21	57320	57358	320	358
10250	57339	-17	57316	57356	316	356
10275	57345	-18	57317	57363	317	363
10300	57360	-18	57317	57378	317	378
10325	57339	-17	57317	57356	317	356
10350	57356	-17	57317	57373	317	373
10375	57368	-18	57318	57386	318	386
10400	57370	-18	57318	57388	318	388
10425	57377	-18	57318	57395	318	395
10450	57381	-19	57319	57400	319	400
10475	57391	-19	57319	57410	319	410
10500	57400	-19	57319	57419	319	419
10525	57404	-19	57319	57423	319	423
10550	57414	-19	57319	57433	319	433
10575	57425	-19	57319	57444	319	444
10600	57426	-19	57319	57445	319	445
10625						
10650						
10675						
10700						
10725						
10750						

INTERPRETEX RESOURCES LTD.
TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET
GRID: "MISTY"
file name: MAG113E

BASE STATION DATUM: 57300 LINE # 113E
OPERATOR ADJUST: 0
AREA RANGE VALUE: 57000

STATION INTERVAL: 25 m. STATIONS - all northings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL.	(base enter)	(field enter)
9700	57276	-10	57310	57286	310	286
9725	57287	-11	57311	57298	311	298
9750	57290	-11	57311	57301	311	301
9775	57288	-12	57312	57300	312	300
9800	57301	-12	57312	57313	312	313
9825	57291	-12	57312	57303	312	303
9850	57283	-12	57312	57295	312	295
9875	57284	-12	57312	57296	312	296
9900	57336	-13	57313	57349	313	349
9925	57317	-13	57313	57330	313	330
9950	57297	-13	57313	57310	313	310
9975	57293	-13	57313	57306	313	306
10000	57325	-12	57312	57337	312	337
10025	57299	-12	57312	57311	312	311
10050	57311	-12	57312	57323	312	323
10075	57339	-12	57312	57351	312	351
10100	57332	-12	57312	57344	312	344
10125	57325	-13	57313	57338	313	338
10150	57331	-13	57313	57344	313	344
10175	57331	-13	57313	57344	313	344
10200	57330	-13	57313	57343	313	343
10225	57350	-14	57314	57364	314	364
10250	57491	-13	57313	57504	313	504
10275	57379	-14	57314	57393	314	393
10300	57355	-14	57314	57369	314	369
10325	57354	-15	57315	57369	315	369
10350	57340	-15	57315	57355	315	355
10375	57341	-13	57313	57354	313	354
10400	57326	-13	57313	57339	313	339
10425	57334	-13	57313	57347	313	347
10450	57355	-13	57313	57368	313	368
10475	57360	-14	57314	57374	314	374
10500	57357	-13	57313	57370	313	370
10525	57364	-14	57314	57378	314	378
10550	57378	-14	57314	57392	314	392
10575	57434	-15	57315	57449	315	449
10600	57375	-15	57315	57390	315	390
10625	57381	-16	57316	57397	316	397
10650	57410	-16	57316	57426	316	426
10675	57433	-16	57316	57449	316	449
10700	57443	-15	57315	57458	315	458
10725	57446	-14	57314	57460	314	460
10750	57428	-15	57315	57443	315	443

INTERPRETEX RESOURCES LTD.
TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET
GRID: "MISTY"
file name: MAG115E

BASE STATION DATUM: 57300 LINE # 115E
OPERATOR ADJUST: 0
AREA RANGE VALUE: 57000

STATION INTERVAL: 25 m. STATIONS - all northings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL.	(base enter)	(field enter)
9700						
9725						
9750						
9775						
9800	57294	-14	57314	57308	314	308
9825	57302	-15	57315	57317	315	317
9850	57311	-16	57316	57327	316	327
9875	57296	-17	57317	57313	317	313
9900	57296	-18	57318	57314	318	314
9925	57334	-18	57318	57352	318	352
9950	57345	-18	57318	57363	318	363
9975	57312	-17	57317	57329	317	329
10000	57303	-18	57318	57321	318	321
10025	57317	-17	57317	57334	317	334
10050	57320	-17	57317	57337	317	337
10075	57322	-17	57317	57339	317	339
10100	57337	-16	57316	57353	316	353
10125	57313	-24	57324	57337	324	337
10150	57313	-21	57321	57334	321	334
10175	57317	-20	57320	57337	320	337
10200	57316	-20	57320	57336	320	336
10225	57315	-20	57320	57335	320	335
10250	57317	-20	57320	57337	320	337
10275	57333	-20	57320	57353	320	353
10300	57301	-20	57320	57321	320	321
10325	57314	-20	57320	57334	320	334
10350	57310	-19	57319	57329	319	329
10375	57316	-19	57319	57335	319	335
10400	57306	-19	57319	57325	319	325
10425	57314	-19	57319	57333	319	333
10450	57309	-19	57319	57328	319	328
10475	57312	-18	57318	57330	318	330
10500	57306	-18	57318	57324	318	324
10525	57299	-18	57318	57317	318	317
10550	57336	-17	57317	57353	317	353
10575	57335	-17	57317	57352	317	352
10600	57325	-17	57317	57342	317	342
10625	57310	-16	57316	57326	316	326
10650	57281	-16	57316	57297	316	297
10675	57245	-16	57316	57261	316	261
10700	57288	-17	57317	57305	317	305
10725	57325	-17	57317	57342	317	342
10750	57335	-17	57317	57352	317	352

10775	57304	-16	57316	57320	316	320
10800	57279	-17	57317	57296	317	296
10825						

INTERPRETEX RESOURCES LTD.
TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET
GRID: "MISTY"
file name: MAG117E

BASE STATION DATUM: 57300 LINE # 117E
OPERATOR ADJUST: 0
AREA RANGE VALUE: 57000

STATION INTERVAL: 25 m. STATIONS - all northings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL.	(base enter)	(field enter)
9700						
9725						
9750						
9775						
9800						
9825						
9850	57292	-9	57309	57301	309	301
9875	57287	-9	57309	57296	309	296
9900	57287	-9	57309	57296	309	296
9925	57282	-10	57310	57292	310	292
9950	57289	-10	57310	57299	310	299
9975	57284	-11	57311	57295	311	295
10000	57286	-10	57310	57296	310	296
10025	57280	-11	57311	57291	311	291
10050	57286	-11	57311	57297	311	297
10075	57290	-13	57313	57303	313	303
10100	57270	-13	57313	57283	313	283
10125	57298	-12	57312	57310	312	310
10150	57300	-12	57312	57312	312	312
10175	57297	-13	57313	57310	313	310
10200	57295	-13	57313	57308	313	308
10225	57303	-13	57313	57316	313	316
10250	57303	-13	57313	57316	313	316
10275	57299	-13	57313	57312	313	312
10300	57295	-13	57313	57308	313	308
10325	57296	-14	57314	57310	314	310
10350	57296	-14	57314	57310	314	310
10375	57296	-14	57314	57310	314	310
10400	57295	-14	57314	57309	314	309
10425	57289	-14	57314	57303	314	303
10450	57290	-15	57315	57305	315	305
10475	57290	-16	57316	57306	316	306
10500	57283	-16	57316	57299	316	299
10525						
10550						
10575						
10600						
10625						
10650						
10675						
10700						
10725						
10750						

INTERPRETEX RESOURCES LTD.
TOTAL FIELD MAGNETIC DATA CORRECTIONS WORKSHEET
GRID: "MISTY"
file name: MAG119E

BASE STATION DATUM: 57300 LINE # 119E
OPERATOR ADJUST: 0
AREA RANGE VALUE: 57000

STATION INTERVAL: 25 m. STATIONS - all northings

STATION	FINAL VAL.	CORRECTN	BASE VAL	FIELD VAL.	(base enter)	(field enter)
9700	57264	-5	57305	57269	305	269
9725	57256	-5	57305	57261	305	261
9750	57250	-5	57305	57255	305	255
9775	57238	-5	57305	57243	305	243
9800	57272	-5	57305	57277	305	277
9825	57314	-5	57305	57319	305	319
9850	57217	-5	57305	57222	305	222
9875	57220	-4	57304	57224	304	224
9900	57229	-4	57304	57233	304	233
9925	57238	-4	57304	57242	304	242
9950	57244	-4	57304	57248	304	248
9975	57226	-3	57303	57229	303	229
10000	57260	-3	57303	57263	303	263
10025	57245	-3	57303	57248	303	248
10050	57244	-2	57302	57246	302	246
10075	57237	-2	57302	57239	302	239
10100	57253	-1	57301	57254	301	254

INTERPRETEX RESOURCES LTD.
VLF EM Matrix for IN-PHASE and OUT-OF-PHASE readings
EM-16 In Phase values in %, station interval 25 m.
GRID: "MISTY" FACING: westerly TRANSMITTER: Lualualei, Hawaii
File Name:VLFMISTY STATION #'s are all northings

	InP	OP	InP	OP	InP	OP	InP	OP	InP	OP	InP	OP	InP	OP	InP	OP
STA	Line		Line		Line		Line		Line		Line		Line		Line	
	100		102		104		108		109		111		113		115	
	East		East		East		East		East		East		East		East	
9700	1	-3	33	4					3	6	18	3	24	4		
9725	2	-5	37	3					-1	10	15	8	25	5		
9750	6	-4	35	2					0	8	12	7	23	3		
9775	8	-5	32	5					1	5	13	5	17	-2	35	13
9800	10	-6	33	4					2	7	10	3	13	-1	41	10
9825	14	-3	31	8					0	8	7	2	12	0	33	5
9850	19	-4	30	8					1	4	5	0	12	4	20	3
9875	17	-4	29	6			3	6	2	3	2	1	14	2	22	6
9900	22	-5	27	5			5	4	0	2	3	-1	16	0	24	8
9925	25	-2	24	5			8	8	1	5	0	2	18	-1	24	8
9950	26	-2	24	4			7	10	3	4	-3	2	20	-1	23	5
9975	27	-4	25	2			10	9	6	7	-1	2	25	-1	22	3
10000	29	-3	24	2			12	7	5	3	1	4	22	0	26	8
10025	29	-5	21	0			10	9	1	4	5	7	22	3	27	2
10050	27	-3	20	-2			8	8	0	1	2	5	15	-2	26	1
10075	19	-5	18	-2			5	7	-1	2	0	4	8	-4	23	0
10100	14	-11	22	-2			1	3	-5	1	-3	3	7	-5	20	-4
10125	12	-8	26	2			-5	3	-3	2	4	3	11	-4	18	-6
10150	12	-4	25	1			-3	4	0	-3	1	2	15	-2	20	-5
10175	14	4	27	0			-3	3	-3	0	2	0	18	-2	21	-4
10200	17	7	30	-1			-6	2	-1	1	5	-1	20	-1	21	-2
10225	12	8	31	0			-10	2	0	0	16	2	23	0	23	0
10250	3	11	26	-2			-8	0	3	-1	12	4	23	-1	27	0
10275	-4	4	22	-3			-6	-2	0	-2	15	3	24	-2	26	1
10300	-6	8	22	0			-4	3	1	-5	15	5	23	-4	28	-1
10325	-7	6	18	4			-2	2	2	-7	17	3	22	-6	27	1
10350	-9	7	26	12			0	2	4	-8	12	1	19	-8	28	2
10375	-8	7	21	8	37	14	1	1	6	-5	8	-2	20	-6	29	1
10400	-9	6	11	7	45	17	3	-2	12	-2	6	1	20	-7	30	3
10425	-12	3	2	0	47	16	2	-10	10	-5	-6	-5	21	-6	28	4
10450	-11	1	-14	-2	46	12	7	-8	13	-4	-8	-7	22	-5	32	6
10475	-9	0	-20	-6	44	12	8	-7	14	-3	-7	-3	23	-4	34	10
10500	-7	4	-18	-2	30	10	12	-3	12	-2	-7	-5	21	-2	31	6
10525	-7	3	-14	0	8	5	11	-2	9	-4	-6	-2	21	-2	30	7
10550	-3	4	-12	-3	9	6	9	-1	6	-5	-7	-3	20	-1	27	6
10575	-1	5	-13	-2	5	9	7	-8	5	-3	-4	-2	17	0	26	5
10600	1	7	v.steep		6	13	12	-5	7	-2	0	-1	13	-3	24	8
10625	7	9	-8	2	6	12	11	-2	7	-1			11	-2	23	10
10650	9	12	-7	3	5	12	13	1	9	0			8	-2	21	11
10675	14	14	-5	6	4	12	11	2	10	2			8	-3	21	12
10700	16	11	-3	4	3	14	7	2					7	-5	18	12
10725	19	9			5	10	7	2					5	-7	17	8
10750	18	6			5	11	5	3					4	-11	15	7
10775	23	6			6	9	4	6							16	6
10800	20	11			4	11	5	6							12	2
10825	25	8			3	8	7	8								

10850	26	10	4	4	7	8
10875	30	11			8	8
10900	33	11			7	9
10925	33	14				
10950	36	13				

INTERPRETEX RESOURCES LTD.
VLF EM Matrix for IN-PHASE and OUT-OF-PHASE readings
EM-16 In Phase values in %, station interval 25 m.
GRID: "MISTY" FACING: westerly TRANSMITTER: Lualualei, Hawaii
File Name:VLFMSTY2 STATION #'s are all northings

STA	InP Line 117 East	OP Line 117 East	InP Line 119 East	OP Line 119 East
9700			16	-11
9725			22	-13
9750			31	-12
9775			34	-11
9800			18	-3
9825			9	-5
9850	33	1	7	-3
9875	31	3	27	0
9900	27	5	25	2
9925	23	7	30	4
9950	25	8	27	2
9975	32	12	28	5
10000	38	17	25	10
10025	30	13	10	13
10050	32	11	5	12
10075	30	12	14	16
10100	28	11		
10125	30	12		
10150	34	14		
10175	35	10		
10200	33	2		
10225	32	1		
10250	36	4		
10275	40	4		
10300	44	3		
10325	47	1		
10350	45	-1		
10375	43	-3		
10400	50	1		
10425	57	4		
10450	55	2		
10475	55	2		
10500	53	0		

2. DISCUSSION

VLF EM data profiles show the effect of steep topography in the form of a positive bias on in-phase readings when facing up hill. Other than topography effect, VLF EM data are mostly noise free. Very steep slopes and other untraversable terrain were responsible for gaps in survey coverage on some lines. Overburden was not considered to be a problem in this area because of its shallow depth on steep slopes.

VLF EM results showed moderate to strong response to conductivity on four lines within the area surveyed. One conductive feature was delineated with a northeast trend direction on lines 100E, 102E and 104E and a single line anomaly was discovered on line 119E.

Magnetic results were noise free and showed mainly low magnetic activity except in the northwest portion of the area. In this portion of the area positive anomalies such as one over 59,000 gammas (relative to a 57,000 area range value) were observed.

3. CONCLUSIONS

Magnetic results show a relatively inactive magnetic environment except in the northwest portion of the area as shown on the magnetic profile map. The lack of coincidence with conductivity in this area and high gradients on strong magnetic anomalies suggests the presence of magnetite as the cause of the strong magnetism.

Three small magnetic high anomalies within nonmagnetic background on lines 109E, 111E and 113E suggest a northeast trend of magnetic rock such as a basic dike as shown on the VLF EM profile/interpretation map.

VLF EM profiles suggest that the conductor observed on lines 100E, 102E and 104E is shallow, shows moderate to poor conductance and is probably within 25 meters of the surface. Trenching over the anomaly confirmed that conductivity was shallow and indicated that the conductive response was caused by a graphitic shear zone.

The single line anomaly observed on line 119E is moderate in strength and shows relatively high conductance. It is possible that this conductor continues eastward (or northeastward corresponding to apparent trend directions) off the present survey area. A direct correlation with a small magnetic anomaly suggests that pyrrhotite has contributed to the conductive response observed. Both magnetic and VLF EM profiles indicate shallow depth to the causative body.

Other anomalous VLF EM responses were attributed to very steep topographic changes.

4. RECOMMENDATIONS

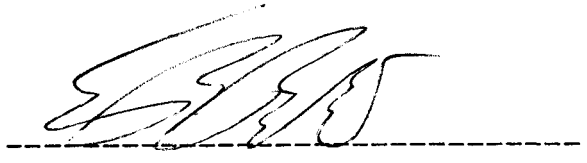
Since the bonafied conductor found in the west portion of the area has been explained on the ground by trenching, no additional work is recommended in that region. The single line anomaly on line 119E is interpreted to be associated with pyrrhotite and therefore deserves some interest. Inexpensive surface investigations or blasting is recommended on the single anomaly to confirm the presence of sulphides. If the target is mineralogically important than additional VLF EM and magnetic survey is recommended to define the lateral extent of the anomalous zone.

Interpretex Resources Ltd.
Vancouver, B.C.
July 31, 1986

Respectfully submitted

INTERPRETEX RESOURCES LTD.

Vancouver, British Columbia



E. R. ROCKEL

Consulting Geophysicist

CERTIFICATE

I, Edwin Ross Rockel, Geophysicist of Vancouver, British Columbia, Canada, hereby certify that:

1. I received a B.Sc. degree in Geophysics from the University of British Columbia in 1966.

2. I have been practising my profession since graduation.

3. I am a Professional Geophysicist registered in the Province of Alberta.

4. I am a Professional Engineer registered in the Province of Saskatchewan.

5. I hold no direct or indirect interest in, nor expect to receive any benefits from, the mineral property or properties described in this report.

Date: Jan. 8, 1987

Signed: _____

Vancouver,
British Columbia

Edwin Ross Rockel
B.Sc., P.Geoph., P. Eng.

APPENDIX 2

ASSAY CERTIFICATES

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN,FE,CA,P,CR,MG,BA,TI,B,AL,NA,K,W,SI,ZR,CE,SN,Y,NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS -80 MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.
P7-Rocks P=Pulverized (for soil samples or organics)

DATE RECEIVED: JULY 11 1986 DATE REPORT MAILED: July 18/86 ASSAYER. D. Toye .DEAN TOYE. CERTIFIED B.C. ASSAYER.

MASCOT GOLD MINES PROJECT - 7157 FILE # 86-1408

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
100E 109+50N	2	7	35	81	.2	4	11	1731	4.57	14	5	ND	1	32	1	2	3	63	.23	.149	5	9	.33	38	.05	4	2.64	.04	.04	1	6
100E 108+75N	4	14	25	67	.3	4	5	1639	6.63	8	5	ND	1	17	1	5	3	80	.11	.181	10	12	.19	36	.12	5	1.48	.02	.06	1	27
100E 108+50N	2	13	24	71	.3	6	9	2534	4.90	4	5	ND	1	15	1	2	3	86	.08	.212	6	11	.13	51	.12	4	1.44	.02	.07	1	1
100E 108+25N	2	11	18	74	.2	4	8	2899	5.41	20	5	ND	1	20	1	2	2	74	.13	.157	6	7	.28	47	.06	4	1.57	.03	.06	1	1
100E 100+00N P	1	13	2	82	1.8	3	1	11	.10	2	5	ND	1	95	1	2	2	2	1.17	.073	7	1	.14	186	.01	2	.09	.02	.01	1	1
100E 99+75N P	1	11	9	64	.5	10	2	119	1.19	48	5	ND	1	27	1	6	3	19	.17	.092	6	7	.09	56	.01	2	.53	.02	.04	1	2
100E 99+50N	3	36	19	89	1.1	22	30	3741	4.59	856	5	ND	1	25	1	2	2	53	.17	.102	11	21	.31	65	.04	3	1.56	.02	.07	1	4
100E 99+25N	3	28	19	79	1.1	14	5	576	3.63	402	5	ND	1	25	1	2	2	45	.14	.205	9	14	.22	71	.02	3	1.39	.02	.06	1	8
100E 99+00N	2	30	18	92	.4	20	10	891	5.25	246	5	ND	1	38	1	2	2	63	.31	.139	8	17	.65	62	.04	3	2.09	.04	.07	1	24
100E 98+75N	11	29	28	72	.2	12	6	433	3.68	246	5	ND	1	34	1	2	2	76	.18	.080	12	13	.18	67	.08	3	.98	.02	.06	1	26
100E 97+50N	5	42	12	111	.6	40	5	221	6.40	161	5	ND	1	17	1	5	2	58	.09	.050	10	17	.22	43	.03	4	1.00	.03	.07	2	3
100E 97+25N P	4	23	11	75	1.5	13	5	560	5.58	70	5	ND	1	17	1	2	2	90	.11	.088	6	19	.33	38	.05	2	1.66	.02	.05	1	1
100E 97+00N	2	13	5	37	.4	7	3	198	2.55	51	5	ND	1	11	1	2	2	98	.07	.037	9	7	.07	32	.02	2	1.19	.01	.02	1	10
102E 100+00N	2	39	19	99	.7	25	9	869	5.75	170	5	ND	1	14	1	5	3	70	.07	.090	11	30	.35	51	.05	4	2.54	.02	.05	2	40
102E 99+75N	1	34	14	61	.2	25	5	305	5.15	150	5	ND	1	13	1	2	3	68	.16	.136	11	36	.20	28	.01	2	1.33	.03	.04	1	31
102E 99+50N	1	30	16	71	.3	17	6	665	4.21	552	5	ND	2	14	1	3	2	61	.06	.088	12	21	.21	54	.01	2	1.34	.02	.04	2	28
102E 99+25N	2	29	13	67	6.0	16	4	260	6.14	186	5	ND	1	6	1	3	2	76	.03	.080	11	25	.12	44	.02	2	1.36	.02	.02	1	9
102E 99+00N	6	17	7	62	2.5	9	3	419	7.37	178	5	ND	3	6	1	2	2	82	.03	.086	14	26	.11	36	.04	2	1.82	.02	.03	1	2
102E 98+75N	2	42	18	101	.4	30	9	786	5.19	109	5	ND	3	11	1	2	2	56	.06	.081	8	39	.38	43	.04	3	3.27	.02	.03	2	14
102E 98+50N	3	39	23	105	.4	29	7	577	6.73	118	5	ND	2	15	1	2	2	62	.08	.099	8	45	.45	42	.02	2	3.00	.03	.04	4	12
102E 98+25N	2	61	20	107	.8	33	14	2029	5.52	124	5	ND	1	13	1	2	2	74	.06	.101	8	36	.39	51	.01	2	2.03	.03	.05	2	5
102E 98+00N	4	26	18	59	.3	17	5	340	6.50	116	5	ND	2	11	1	2	2	76	.06	.069	10	29	.25	39	.02	2	1.79	.02	.03	2	3
102E 97+75N P	3	15	4	47	.3	10	3	127	1.79	52	5	ND	1	18	1	2	2	60	.07	.037	8	11	.15	36	.02	2	.85	.02	.04	1	1
103E 108+00N P	2	16	13	66	.2	11	6	1818	5.58	2	5	ND	2	20	1	2	3	99	.13	.239	7	20	.33	44	.10	2	1.28	.03	.11	1	1
103E 107+75N	3	13	12	45	.2	4	3	728	5.27	6	5	ND	1	25	1	4	2	76	.10	.277	4	13	.16	30	.04	3	1.71	.02	.05	1	1
103E 107+50N	1	8	10	56	.2	5	5	1110	4.05	4	5	ND	1	34	1	2	2	63	.18	.183	3	8	.30	41	.04	2	1.53	.03	.07	1	1
103E 107+25N	1	13	12	69	.3	7	7	1550	5.05	5	5	ND	1	22	1	2	2	69	.12	.181	5	17	.19	52	.04	2	1.61	.02	.07	1	1
103E 107+00N P	2	8	14	71	.3	7	5	1025	3.96	7	5	ND	1	37	1	2	3	72	.22	.202	6	10	.36	47	.04	3	1.51	.03	.10	1	1
103E 100+00N P	1	23	8	61	.8	12	5	668	4.39	118	5	ND	1	15	1	4	2	63	.07	.097	9	16	.16	52	.06	3	1.18	.02	.06	1	13
103E 99+75N P	1	35	14	102	.1	26	8	578	5.45	252	5	ND	1	25	1	4	2	63	.19	.071	5	26	.62	136	.05	2	2.43	.05	.06	1	25
103E 99+50N	5	43	27	105	.4	28	11	1086	8.25	171	5	ND	2	12	1	2	2	66	.07	.101	6	42	.58	49	.07	2	2.80	.03	.05	2	30
103E 99+25N	1	24	19	66	.8	21	6	548	6.04	179	5	ND	1	11	1	2	2	96	.06	.064	8	35	.33	52	.02	2	1.96	.02	.04	1	14
103E 99+00N	2	25	15	68	.1	17	5	333	5.89	197	5	ND	1	9	1	2	3	113	.04	.092	11	26	.16	44	.03	2	1.47	.02	.04	1	11
103E 98+75N	3	21	14	68	.3	14	5	371	8.44	92	5	ND	2	13	1	2	2	89	.09	.085	6	26	.29	36	.06	2	2.15	.02	.03	2	2
103E 98+50N	5	19	7	56	.7	20	4	446	4.52	54	5	ND	2	12	1	6	3	125	.04	.064	7	19	.14	55	.07	2	1.27	.02	.04	2	2
103E 98+25N	2	35	12	86	.1	39	7	360	10.53	65	5	ND	2	8	1	2	2	71	.04	.076	2	71	.39	29	.02	2	1.70	.03	.03	1	1
STD C/AU-0.5	20	60	39	136	7.0	76	32	1222	4.03	40	17	8	39	54	20	15	20	67	.48	.119	42	64	.89	182	.09	39	1.73	.09	.14	15	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
103E 98+00N	1	26	14	57	.4	26	4	156	7.12	121	5	ND	2	9	1	8	2	98	.03	.466	8	38	.12	39	.02	6	1.52	.02	.04	1	6
103E 97+75N	3	25	25	73	.2	30	7	540	8.54	152	5	ND	2	10	1	4	2	106	.04	.091	13	37	.28	38	.06	5	1.62	.02	.04	1	5
103E 97+50N	1	35	28	87	.2	30	6	275	7.53	369	5	ND	2	8	1	9	2	112	.04	.068	8	43	.37	56	.03	3	2.15	.02	.03	1	18
103E 97+25N	1	23	20	55	1.1	21	4	256	6.27	156	5	ND	1	11	1	6	4	102	.06	.095	9	28	.16	30	.03	6	1.04	.02	.03	1	40
103E 97+00N	1	38	26	82	.3	35	8	395	5.18	223	5	ND	2	14	1	3	2	82	.07	.068	9	36	.46	58	.02	6	1.72	.02	.05	4	14
104E 108+50N	1	9	12	68	.1	4	3	558	6.55	3	5	ND	1	26	1	3	3	84	.10	.252	13	11	.24	34	.07	6	1.65	.03	.05	1	4
104E 108+25N	1	9	13	78	.3	5	4	693	3.21	2	5	ND	1	36	1	6	2	72	.16	.138	7	9	.27	67	.02	4	2.10	.02	.06	3	10
104E 107+75N	2	20	11	68	.3	9	7	2381	7.74	6	5	ND	2	12	1	2	2	112	.06	.400	8	30	.21	28	.10	5	2.14	.03	.06	1	1
105E 109+00N	2	12	12	77	.1	9	4	489	4.84	2	6	ND	1	22	1	7	3	79	.13	.188	10	15	.29	30	.07	7	1.78	.03	.06	1	3
105E 108+75N	2	27	24	125	.3	19	9	843	5.59	22	5	ND	1	44	1	2	2	72	.25	.102	6	13	.69	60	.05	6	2.94	.04	.04	1	6
105E 107+75N	1	35	16	116	.1	28	15	1599	4.37	17	5	ND	1	36	1	2	2	67	.20	.150	4	21	.50	48	.03	6	2.27	.03	.05	1	18
105E 107+50N	4	11	10	75	.2	6	4	601	5.32	2	5	ND	1	19	1	6	2	74	.08	.204	12	19	.19	36	.06	7	2.53	.02	.05	3	3
105E 107+00N	1	14	17	67	.2	8	4	1200	4.80	10	5	ND	1	24	1	3	2	80	.13	.200	6	17	.20	41	.05	4	1.33	.02	.06	1	6
106E 108+75N	1	8	14	77	.1	4	5	590	4.50	6	5	ND	1	36	1	8	2	74	.25	.125	6	13	.37	40	.04	4	2.42	.03	.04	2	3
106E 108+50N	3	10	13	97	.2	5	5	1401	5.61	4	5	ND	1	24	1	5	2	74	.13	.229	8	12	.25	33	.08	4	1.82	.02	.07	1	2
106E 108+00N	1	11	12	79	.1	7	7	1018	3.99	14	5	ND	1	34	1	2	3	60	.28	.209	5	13	.42	36	.04	3	2.36	.03	.05	1	1
106E 107+75N	1	11	12	74	.1	3	6	1722	5.10	3	5	ND	1	31	1	4	2	74	.16	.304	8	5	.24	42	.07	5	1.78	.02	.06	1	7
106E 107+50N	1	42	22	126	.2	21	14	1372	4.79	25	5	ND	1	61	1	4	3	73	.28	.152	8	15	.79	84	.04	5	2.99	.04	.06	3	145
106E 107+00N	1	13	16	86	.2	7	6	723	5.13	2	5	ND	1	34	1	5	2	70	.17	.226	6	13	.41	37	.05	4	2.16	.03	.05	3	8
108E 108+75N	1	9	14	47	.1	5	2	322	3.13	15	5	ND	1	33	1	5	3	62	.11	.118	5	11	.14	36	.06	5	2.27	.02	.04	4	9
108E 108+00N	1	19	21	86	.3	4	6	690	5.01	85	5	ND	2	57	1	3	2	62	.22	.169	8	10	.47	61	.08	3	3.60	.03	.04	2	50
108E 107+50N	2	14	11	80	.3	6	9	1641	5.93	14	5	ND	1	31	1	6	4	66	.14	.196	9	10	.28	38	.06	5	2.40	.03	.05	1	36
108E 107+25N	3	15	15	86	.3	6	9	2570	5.22	24	5	ND	1	30	1	6	2	80	.11	.150	9	10	.24	55	.07	4	2.09	.02	.07	2	7
108E 107+00N	1	12	13	85	.3	6	8	1995	5.35	6	5	ND	1	29	1	4	2	71	.13	.154	9	9	.22	44	.06	5	1.92	.03	.06	1	3
108E 106+75N	1	20	18	87	.7	11	10	1654	4.06	33	5	ND	1	41	1	3	3	58	.16	.307	6	9	.44	72	.02	4	2.56	.03	.06	1	22
108E 106+50N	1	40	31	127	.5	28	16	1067	4.60	63	5	ND	1	35	1	10	2	75	.12	.141	9	21	.78	89	.03	5	3.75	.03	.05	1	32
108E 106+00N	1	44	29	125	.4	23	14	983	4.48	90	5	ND	2	31	1	5	2	64	.16	.146	8	13	.73	95	.03	4	3.02	.03	.06	1	37
108E 105+75N	1	42	30	125	.7	49	27	3450	5.10	288	5	ND	1	15	1	5	2	47	.10	.181	13	23	.56	111	.01	4	2.08	.02	.07	2	115
108E 105+50N	1	42	147	161	1.1	49	21	2073	5.06	679	5	ND	1	17	1	8	2	52	.08	.111	10	23	.55	71	.02	4	2.13	.02	.06	2	175
108E 105+00N	1	32	15	72	.3	18	11	1132	3.76	35	7	ND	1	6	1	5	4	64	.04	.156	8	33	.12	51	.01	3	1.07	.02	.03	1	17
108E 104+50N	1	57	21	128	.4	25	20	1255	4.34	18	5	ND	1	16	1	7	3	52	.13	.095	10	17	.68	217	.04	3	2.91	.02	.03	1	5
108E 104+25N	1	30	22	116	.3	29	9	568	4.18	22	5	ND	1	34	1	3	3	70	.20	.120	5	23	.72	72	.03	2	2.61	.03	.08	1	10
108E 104+00N	1	21	16	83	.4	18	6	593	4.05	29	5	ND	1	22	1	4	2	65	.12	.147	6	19	.41	39	.02	3	1.49	.02	.07	1	14
108E 103+75N	1	26	26	108	.4	25	11	1007	4.16	37	5	ND	1	20	1	5	3	67	.10	.140	7	24	.46	68	.02	3	2.47	.02	.07	1	17
108E 103+50N	1	33	17	106	.7	29	13	1186	4.00	63	5	ND	2	20	1	9	2	59	.11	.144	7	28	.51	55	.02	2	2.67	.02	.07	1	18
108E 103+00N	1	83	47	161	.1	87	34	1418	4.47	118	5	ND	4	14	1	9	2	44	.03	.066	16	54	.73	110	.02	3	2.41	.02	.05	1	6
STD C/AU 0.5	21	63	42	135	7.0	74	30	1169	3.99	37	16	7	37	51	19	17	20	72	.48	.114	39	62	.89	181	.09	37	1.73	.09	.13	15	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Aut PPB
108E 102+75N	1	22	12	72	.4	27	4	197	3.95	97	5	ND	2	8	1	2	2	65	.02	.102	14	22	.22	57	.01	4	1.66	.02	.02	1	2
108E 102+50N	1	22	20	81	.5	22	8	545	4.69	61	5	ND	2	6	1	2	2	61	.02	.076	10	27	.29	52	.01	4	1.90	.02	.05	1	4
108E 102+25N	1	59	20	176	.1	39	11	574	6.28	22	5	ND	5	9	1	2	2	78	.04	.094	10	41	.40	55	.01	4	2.02	.02	.06	1	8
108E 101+75N	1	47	24	116	.7	46	9	562	5.98	59	5	ND	4	10	1	2	2	72	.04	.067	11	52	.60	71	.01	4	2.22	.02	.06	1	8
108E 101+50N	1	31	20	76	.1	29	6	392	5.64	56	5	ND	4	9	1	2	2	91	.02	.065	11	44	.37	54	.01	4	2.22	.02	.05	1	2
108E 101+25N	1	36	20	84	.7	44	9	513	5.20	563	5	ND	3	4	1	2	2	57	.01	.092	19	22	.13	36	.01	5	1.24	.02	.04	1	17
108E 101+00N	1	25	23	99	.9	25	7	328	6.05	43	5	ND	2	16	1	3	2	80	.09	.080	7	22	.51	59	.02	5	2.15	.02	.05	1	18
108E 100+75N	1	22	7	49	.8	13	4	82	1.46	47	5	ND	3	4	1	2	2	45	.01	.044	20	16	.09	46	.01	2	1.02	.01	.05	1	1
108E 99+50N	1	12	16	75	.3	14	4	325	5.14	59	5	ND	2	7	1	4	2	110	.02	.047	9	17	.08	40	.02	2	1.47	.02	.04	1	1
109E 107+00N	2	9	15	42	.2	3	2	297	3.66	21	5	ND	1	21	1	5	2	103	.09	.122	11	5	.07	28	.12	4	.88	.02	.04	1	6
109E 106+75N	1	12	24	76	.2	5	9	1832	5.17	22	5	ND	1	27	1	3	2	72	.12	.250	4	6	.17	69	.05	5	1.58	.02	.05	1	11
109E 106+50N	2	8	17	58	.2	4	3	868	4.56	32	5	ND	1	22	1	2	3	84	.10	.151	5	9	.12	64	.05	4	1.51	.02	.04	1	5
109E 106+25N	2	11	16	100	.1	6	6	1395	4.48	24	5	ND	1	27	1	2	2	56	.12	.168	9	10	.27	46	.05	4	2.74	.02	.04	1	6
109E 106+00N	4	10	13	74	.1	5	6	1323	5.32	15	5	ND	1	22	1	2	2	77	.10	.098	7	11	.20	32	.10	4	1.94	.02	.05	1	35
109E 105+75N	3	10	13	69	.1	5	3	652	4.66	18	5	ND	2	17	1	3	2	68	.08	.082	8	11	.13	29	.09	4	1.39	.02	.04	1	22
109E 105+50N	3	12	14	84	.3	5	6	1844	4.34	15	5	ND	1	19	1	2	2	63	.10	.165	9	9	.14	35	.08	5	1.79	.02	.06	1	7
109E 105+25N	3	12	15	77	.5	6	7	2247	5.09	8	5	ND	1	19	1	2	2	72	.09	.157	10	11	.20	38	.08	4	1.72	.02	.06	1	45
109E 105+00N	2	8	14	76	.4	5	5	1305	2.90	3	5	ND	1	35	1	2	2	48	.17	.161	5	7	.26	46	.02	4	2.00	.02	.06	1	12
109E 104+75N	3	12	9	66	.3	4	5	620	4.63	12	5	ND	1	18	1	2	2	60	.08	.104	10	9	.13	27	.07	5	1.64	.02	.04	1	1
109E 104+50N	1	14	27	73	.5	11	12	1373	3.56	34	5	ND	1	24	1	4	2	61	.11	.126	6	13	.26	39	.03	4	1.34	.02	.05	1	40
109E 104+25N	2	14	41	92	.6	21	25	5657	4.58	106	5	ND	3	7	1	2	2	36	.03	.121	29	7	.10	49	.01	5	1.44	.02	.05	1	1
109E 104+00N	1	32	25	83	.5	25	11	804	5.47	56	5	ND	2	21	1	2	2	63	.11	.111	8	23	.36	31	.03	4	1.87	.02	.05	1	8
109E 103+75N	1	29	18	84	.4	18	7	700	3.99	36	5	ND	1	23	1	5	2	60	.13	.108	10	14	.40	37	.02	3	1.85	.02	.05	1	6
109E 103+50N	1	22	16	90	.4	16	12	1213	4.26	38	5	ND	1	27	1	2	2	57	.14	.094	8	16	.51	41	.04	5	2.16	.02	.05	1	6
109E 103+00N	1	29	16	110	.3	31	9	812	3.79	36	5	ND	1	29	1	2	2	53	.16	.136	6	25	.45	55	.02	4	1.59	.03	.07	1	6
109E 102+75N	3	17	15	81	.6	14	9	1417	5.26	16	5	ND	1	13	1	2	2	61	.08	.121	12	20	.26	36	.05	5	2.04	.02	.06	1	4
109E 102+50N	3	19	14	58	.6	12	6	938	5.95	18	5	ND	1	14	1	3	2	78	.07	.124	10	28	.17	37	.07	5	1.56	.02	.06	1	1
109E 102+25N	2	19	13	70	.3	12	6	611	6.40	14	5	ND	1	17	1	2	2	67	.10	.119	9	19	.33	32	.05	16	1.65	.02	.04	1	2
109E 102+00N	2	24	14	62	.5	19	6	410	6.74	27	5	ND	1	12	1	2	2	65	.06	.089	7	29	.31	30	.04	3	1.64	.02	.04	1	3
109E 101+75N	3	23	12	68	1.4	19	5	390	6.19	27	5	ND	1	14	1	2	2	73	.06	.087	9	33	.24	62	.04	3	1.58	.02	.04	1	2
109E 101+50N	1	35	18	68	.3	23	7	792	8.20	21	5	ND	1	8	1	2	2	64	.04	.116	5	47	.25	26	.02	2	1.49	.02	.03	1	1
109E 101+25N	3	26	13	80	.2	14	7	1128	8.87	18	5	ND	1	8	1	2	2	97	.04	.140	14	42	.29	31	.05	2	2.19	.02	.04	2	1
109E 101+00N	4	28	16	78	.3	16	6	1106	8.74	28	5	ND	1	12	1	3	2	98	.05	.176	9	42	.17	39	.05	7	1.40	.02	.05	1	1
109E 100+75N	1	23	4	54	.1	20	3	110	2.90	28	5	ND	1	3	1	5	2	40	.01	.090	2	30	.10	16	.01	2	.82	.02	.02	1	1
109E 100+00N	1	55	17	87	.2	27	5	294	6.03	13	5	ND	1	7	1	3	2	51	.03	.097	3	41	.16	32	.01	3	1.50	.02	.03	1	8
109E 99+00N	1	10	5	59	.2	6	2	428	.75	3	5	ND	1	8	1	6	3	13	.07	.137	2	6	.04	29	.01	2	.34	.02	.06	1	1
STD C/AU 0.5	21	61	41	140	6.9	70	29	1134	3.99	39	18	7	36	50	18	15	19	70	.48	.108	39	58	.89	186	.09	37	1.73	.09	.14	19	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
109E 98+25N	1	48	19	86	.3	40	7	394	7.15	22	5	ND	2	9	1	2	2	67	.08	.127	5	56	.37	35	.01	6	1.72	.03	.04	2	2
109E 98+00N	1	32	13	53	.2	19	4	189	11.43	15	5	ND	2	5	1	2	3	100	.02	.094	3	67	.16	26	.01	2	1.66	.02	.01	1	2
109E 97+75N	1	26	24	65	.8	10	4	446	9.15	27	5	ND	2	6	1	2	2	95	.02	.117	6	54	.07	24	.02	2	1.36	.02	.02	1	4
109E 97+50N	1	37	26	115	3.4	23	16	2160	6.84	28	5	ND	1	9	1	2	2	72	.07	.152	7	54	.21	37	.03	7	2.21	.02	.03	1	1
111E 105+97N	5	25	24	74	.5	10	9	2245	7.22	118	5	ND	2	13	1	2	2	85	.07	.142	10	22	.19	38	.09	6	1.93	.02	.05	1	25
111E 105+75N	4	35	18	87	.6	13	8	1608	9.81	57	5	ND	2	11	1	2	2	79	.07	.241	9	26	.29	34	.07	2	1.73	.03	.06	1	6
111E 105+00N	2	58	32	123	.4	31	9	385	7.09	113	5	ND	1	12	1	2	2	66	.06	.088	11	33	.64	44	.02	5	3.07	.03	.04	2	11
111E 104+75N	2	29	13	95	.3	15	7	618	7.36	37	5	ND	2	11	1	5	3	95	.07	.093	7	32	.45	35	.15	6	2.25	.03	.04	1	5
111E 104+00N	1	32	44	123	.9	24	13	984	5.29	203	5	ND	1	17	1	2	2	53	.09	.137	16	24	.54	49	.03	9	2.81	.03	.05	1	65
111E 103+75N	2	26	26	80	2.3	12	6	667	6.20	66	5	ND	1	13	1	4	3	66	.08	.197	10	21	.16	47	.03	6	2.13	.02	.05	1	21
111E 103+50N	2	21	30	90	.6	14	12	2749	6.97	53	5	ND	1	14	1	2	2	81	.07	.146	8	26	.26	56	.05	7	1.97	.02	.06	2	36
111E 103+00N	2	9	13	63	.4	5	6	996	4.72	9	5	ND	1	35	1	2	2	65	.25	.177	6	13	.35	48	.03	9	2.74	.03	.03	1	6
111E 102+50N	3	10	13	65	.7	7	4	714	5.29	21	5	ND	1	29	1	2	2	64	.25	.177	8	13	.29	38	.05	7	1.98	.04	.06	1	4
111E 102+25N	2	13	11	74	.3	6	6	1184	5.28	28	5	ND	2	17	1	2	2	69	.08	.163	7	15	.20	60	.04	6	3.31	.02	.04	10	14
111E 102+00N	1	17	15	85	.3	15	7	694	5.86	47	5	ND	1	32	1	2	2	66	.19	.100	5	17	.51	66	.05	7	3.14	.03	.05	1	17
111E 101+75N	1	16	19	76	.3	15	6	479	6.03	26	5	ND	1	30	1	2	2	74	.24	.140	5	17	.44	54	.06	7	2.46	.03	.05	2	5
111E 101+50N	1	22	13	76	.4	17	10	824	5.72	20	5	ND	1	23	1	2	2	63	.13	.095	12	24	.44	38	.08	7	3.19	.03	.04	2	7
111E 101+25N	1	13	17	46	.3	10	3	181	4.05	11	5	ND	1	21	1	2	3	64	.14	.085	7	18	.22	28	.05	6	1.62	.02	.04	3	12
111E 101+00N	1	20	13	62	.2	14	5	326	7.44	26	5	ND	1	17	1	2	2	87	.10	.084	7	29	.28	35	.09	6	2.46	.03	.05	1	5
111E 100+50N	1	23	13	79	.6	23	26	3548	6.04	18	5	ND	1	13	1	2	2	71	.10	.200	5	31	.26	53	.03	7	2.08	.03	.05	1	2
111E 100+25N	1	26	19	69	.2	22	8	718	7.01	12	5	ND	1	16	1	2	2	73	.09	.183	4	51	.35	45	.01	6	1.92	.03	.06	1	3
111E 100+00N	1	29	13	86	.5	30	11	718	6.04	21	5	ND	1	18	1	2	2	70	.09	.107	4	37	.50	46	.02	7	2.35	.03	.05	1	6
111E 99+75N	1	25	14	72	.7	22	8	690	5.94	17	5	ND	1	19	1	3	2	71	.11	.119	6	34	.34	43	.01	6	2.34	.02	.04	1	5
111E 99+50N	1	48	19	100	1.2	31	75	3099	4.32	26	5	ND	1	16	1	2	2	56	.08	.228	6	35	.43	54	.02	6	3.26	.02	.04	1	6
111E 99+25N	1	45	20	96	.3	45	13	772	6.37	23	5	ND	1	12	1	2	2	62	.06	.207	6	49	.45	53	.01	6	1.94	.03	.05	1	5
111E 99+00N	1	28	17	142	.5	51	11	1167	8.52	12	6	ND	2	63	1	2	2	77	2.70	1.080	19	52	.75	64	.04	3	2.85	.08	.06	3	3
111E 98+75N	2	35	18	103	1.0	39	29	1319	6.10	19	5	ND	1	12	1	2	2	69	.10	.081	9	43	.42	48	.03	7	2.48	.03	.05	1	5
111E 98+50N	1	23	20	62	.3	11	5	668	9.86	11	5	ND	1	6	1	2	4	93	.03	.068	7	49	.11	56	.05	2	1.82	.02	.02	1	1
111E 98+25N	1	22	14	68	.5	22	6	396	3.87	9	5	ND	1	8	1	2	2	43	.06	.086	7	32	.22	53	.01	7	1.62	.02	.04	2	1
111E 97+75N	1	29	29	98	.3	26	8	769	7.48	8	5	ND	2	9	1	2	2	61	.07	.088	6	49	.31	41	.03	6	2.79	.03	.04	1	2
111E 97+25N	1	26	16	70	.3	21	7	351	8.38	20	5	ND	3	6	1	2	3	86	.03	.093	7	46	.20	38	.01	2	1.87	.02	.04	1	1
113E 107+50N	1	39	29	155	.4	44	11	849	5.62	92	5	ND	1	21	1	4	2	74	.15	.088	11	49	1.04	76	.05	9	2.77	.03	.09	1	6
113E 107+25N	2	47	46	172	.4	50	17	1063	6.63	124	5	ND	2	14	1	3	2	68	.07	.107	12	43	.89	82	.03	6	3.71	.03	.07	1	6
113E 106+75N	1	65	48	228	.1	82	30	1914	7.17	245	5	ND	2	15	1	2	2	75	.06	.158	12	56	1.17	77	.02	5	3.35	.03	.07	1	10
113E 106+50N	2	34	27	123	.3	37	14	2451	7.27	63	5	ND	2	17	1	7	2	79	.08	.201	12	42	.81	55	.05	8	2.86	.03	.08	1	2
113E 106+25N	1	60	30	186	.2	71	27	1973	7.51	67	5	ND	1	15	1	2	2	79	.05	.119	15	57	1.22	58	.03	6	3.19	.03	.07	1	3
STD C/AU-0.5	20	58	41	135	7.1	70	29	1096	3.96	39	20	7	34	48	18	16	18	68	.48	.107	37	57	.88	178	.08	38	1.72	.08	.13	15	515

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
113E 105+75N	4	20	18	101	.2	18	4	665	5.62	32	5	ND	2	17	1	3	2	76	.12	.295	11	32	.52	42	.05	3	1.72	.02	.08	1	3
113E 105+25N	4	34	29	124	.1	36	8	720	7.40	67	5	ND	2	11	1	7	2	75	.05	.224	12	47	.67	40	.04	3	2.69	.02	.06	2	7
113E 105+00N	3	26	19	104	.1	26	7	799	5.63	40	5	ND	1	12	1	6	2	67	.05	.191	7	35	.52	37	.04	3	1.94	.02	.05	1	10
113E 104+50N	4	33	23	130	.3	25	9	1237	6.77	43	5	ND	1	15	1	4	2	72	.08	.133	8	47	.78	49	.05	3	2.48	.02	.07	1	4
113E 104+25N	4	26	12	114	.4	29	10	1504	6.46	50	5	ND	1	11	1	3	2	80	.05	.154	8	23	.38	41	.05	3	2.55	.02	.06	2	2
113E 104+00N	5	49	28	168	.2	50	17	1437	6.92	87	5	ND	2	11	1	10	2	74	.04	.193	10	49	.84	42	.03	6	2.63	.02	.05	2	10
113E 103+75N	4	33	18	125	.2	29	10	1364	6.77	56	5	ND	1	14	1	3	2	85	.06	.160	8	35	.64	53	.04	3	2.38	.02	.06	1	3
113E 103+50N	5	31	18	141	.4	27	12	1507	6.93	45	5	ND	1	11	1	7	2	69	.04	.130	12	30	.60	50	.05	3	2.05	.02	.05	1	1
113E 103+25N	3	27	10	103	.1	23	6	1066	6.41	43	5	ND	1	12	1	6	2	76	.06	.215	8	32	.46	49	.03	3	1.89	.02	.07	1	1
113E 103+00N	6	17	18	106	.1	14	8	1918	7.97	21	5	ND	2	9	1	2	2	72	.05	.194	15	32	.26	24	.09	3	1.87	.02	.09	1	4
113E 102+75N	3	24	17	109	.3	20	7	1364	6.12	42	5	ND	1	11	1	2	4	78	.04	.181	9	33	.45	42	.03	5	1.80	.02	.07	1	3
113E 102+50N	3	34	20	138	.2	34	8	915	6.11	75	5	ND	1	11	1	7	2	65	.05	.223	9	37	.64	54	.02	4	2.33	.02	.09	1	9
113E 102+25N	4	31	23	129	.4	27	13	2217	6.51	84	5	ND	1	9	1	7	2	83	.04	.173	8	35	.55	50	.03	3	2.27	.02	.08	1	9
113E 102+00N	4	28	20	108	.4	24	12	1704	6.53	70	5	ND	1	10	1	7	3	76	.04	.156	10	34	.48	43	.04	3	2.14	.02	.07	1	2
113E 101+75N	3	24	23	105	.7	23	11	1787	5.36	44	5	ND	1	11	1	4	2	70	.04	.188	8	31	.45	49	.02	5	2.08	.02	.07	1	42
113E 101+50N	5	18	15	112	.6	14	10	2289	5.72	21	5	ND	1	16	1	3	2	73	.09	.228	9	27	.28	70	.05	5	1.87	.02	.11	1	3
113E 101+25N	3	23	21	99	.5	18	12	2624	5.69	47	5	ND	1	20	1	10	2	75	.10	.352	9	26	.37	72	.05	5	1.74	.02	.10	1	2
113E 101+00N	3	17	18	77	.6	14	8	1538	5.66	33	5	ND	1	12	1	4	3	70	.06	.259	10	25	.24	65	.03	6	1.55	.02	.08	1	2
113E 100+75N	3	26	20	99	.3	21	12	2190	6.35	61	5	ND	1	13	1	8	2	78	.06	.229	14	26	.35	77	.03	3	1.96	.02	.07	1	3
113E 100+50N	4	27	21	101	.5	20	15	2414	6.22	57	5	ND	1	10	1	9	2	73	.05	.246	11	25	.36	53	.05	4	2.18	.02	.07	1	2
113E 100+25N	4	21	20	97	.2	18	12	2535	6.28	39	5	ND	2	15	1	7	3	69	.09	.377	12	25	.39	60	.05	5	1.58	.02	.10	1	2
113E 100+00N	3	27	15	139	.4	30	8	810	6.36	59	5	ND	1	20	1	2	2	70	.09	.189	6	36	.54	107	.02	3	2.39	.02	.09	1	1
113E 99+75N	3	21	21	90	.4	15	7	1280	7.02	48	5	ND	1	23	1	6	2	81	.13	.256	7	28	.21	145	.02	4	1.78	.02	.06	1	1
113E 99+50N	3	25	16	104	.2	15	8	1415	6.64	32	5	ND	1	19	1	3	2	76	.10	.247	7	26	.26	95	.02	6	1.91	.02	.07	1	2
113E 99+25N	1	33	22	139	.3	30	12	1227	5.21	281	5	ND	1	21	1	2	2	66	.12	.197	6	28	.69	128	.01	4	2.23	.03	.09	1	18
113E 99+00N	1	51	31	170	.5	45	16	1144	5.34	198	5	ND	2	24	1	5	2	72	.17	.116	8	30	1.03	136	.03	3	3.64	.04	.09	1	27
113E 98+75N	1	23	19	116	.3	23	10	935	4.11	81	5	ND	1	31	1	2	2	57	.17	.140	5	17	.56	186	.01	5	2.20	.02	.08	1	14
113E 98+50N	1	24	17	105	.5	21	10	806	4.33	55	5	ND	1	24	1	4	2	63	.17	.120	5	18	.57	68	.03	5	3.39	.03	.06	1	18
113E 98+25N	1	18	17	66	.2	12	5	341	4.91	53	5	ND	1	26	1	4	2	81	.13	.100	7	17	.25	90	.03	4	1.91	.02	.06	2	18
113E 98+00N	2	18	21	112	.2	17	6	566	7.03	39	5	ND	1	20	1	4	2	81	.12	.087	3	24	.38	71	.05	3	2.03	.02	.05	1	8
113E 97+50N	2	26	18	75	.6	24	6	459	6.63	34	5	ND	1	19	1	5	2	99	.12	.101	5	32	.34	57	.02	5	1.40	.02	.05	1	10
113E 97+25N	4	43	21	99	.7	31	15	1101	6.85	62	5	ND	1	14	1	5	2	85	.12	.186	5	53	.43	56	.05	4	2.32	.02	.05	1	10
113E 97+00N	3	26	16	67	.5	22	7	583	8.61	61	7	ND	2	15	1	2	2	94	.09	.081	2	53	.33	41	.02	2	1.40	.02	.06	1	29
115E 108+00N	2	56	35	127	.4	33	6	517	9.69	80	5	ND	2	15	1	5	2	93	.03	.164	5	46	.54	47	.02	2	2.80	.02	.06	1	7
115E 107+75N	2	22	20	71	.7	12	3	348	5.51	31	5	ND	1	16	1	2	5	101	.04	.121	4	32	.18	48	.04	5	1.97	.02	.06	1	2
115E 107+50N	4	23	15	69	.8	13	5	558	4.71	39	5	ND	2	13	1	5	2	71	.06	.189	9	18	.24	70	.09	6	2.01	.02	.08	1	1
STD C/AU 0.5	21	61	39	141	7.1	70	29	1132	3.96	40	18	7	36	50	18	15	21	70	.48	.110	32	60	.88	187	.09	38	1.72	.09	.14	15	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
115E 107+25N	2	61	31	112	.1	39	27	4082	7.09	237	5	ND	2	13	1	2	4	92	.03	.208	5	48	.56	50	.03	2	2.58	.02	.08	1	5
115E 107+00N	1	26	16	64	.1	14	4	549	7.59	51	5	ND	1	9	1	3	6	90	.04	.132	3	43	.21	34	.07	2	2.09	.02	.06	1	2
115E 106+75N	2	49	25	122	.1	45	13	1135	7.06	117	5	ND	1	14	1	3	2	81	.03	.142	7	52	.79	53	.05	5	2.54	.03	.08	1	3
115E 106+50N	1	33	12	83	.3	24	6	562	5.42	77	5	ND	2	13	1	2	5	72	.04	.204	7	37	.35	41	.03	2	2.01	.02	.09	1	5
115E 106+25N	2	35	24	98	.7	25	14	2489	6.33	77	5	ND	1	11	1	3	5	74	.04	.183	9	40	.44	50	.03	2	2.10	.03	.08	1	3
115E 106+00N	2	81	29	182	.3	69	38	2299	6.62	751	5	ND	2	13	1	2	3	67	.04	.309	15	55	.92	51	.03	2	3.33	.03	.08	1	6
115E 105+75N	3	175	302	371	3.7	154	54	4155	9.92	6665	5	ND	5	11	3	10	3	46	.01	.213	15	26	.53	99	.01	2	2.53	.03	.08	1	590
115E 105+50N	2	42	24	119	.1	43	16	1482	6.31	150	5	ND	2	7	1	3	2	71	.02	.208	10	56	.75	40	.02	3	2.95	.02	.08	1	7
115E 105+25N	3	47	25	111	.4	37	60	4132	5.63	98	5	ND	1	10	1	3	3	60	.03	.268	9	39	.40	33	.02	3	2.68	.02	.07	1	5
115E 105+00N	2	81	26	190	.3	89	34	3856	7.07	321	5	ND	2	14	1	2	3	79	.02	.239	10	55	1.12	56	.03	3	3.33	.03	.08	1	9
115E 104+75N	2	66	32	157	.2	65	20	1190	6.46	147	5	ND	1	8	1	2	2	63	.02	.144	10	61	.91	39	.03	4	3.05	.03	.07	1	22
115E 104+50N	3	22	16	83	.1	14	12	2255	6.45	61	5	ND	1	10	1	2	3	80	.04	.210	10	42	.20	46	.04	5	1.92	.02	.07	1	3
115E 104+25N	2	45	22	123	.3	45	17	1941	6.63	98	5	ND	2	8	1	2	2	73	.02	.218	9	49	.77	37	.04	2	2.32	.03	.08	1	4
115E 104+00N	4	42	28	126	.1	42	19	2694	7.95	69	5	ND	2	8	1	2	2	76	.03	.333	10	51	.79	30	.05	2	2.22	.03	.08	1	10
115E 103+75N	2	27	18	94	.3	26	8	2055	5.68	55	5	ND	1	7	1	2	2	71	.03	.214	8	34	.56	36	.03	2	1.77	.02	.08	1	10
115E 103+50N	1	14	15	73	.6	11	5	1321	5.22	40	5	ND	2	12	1	2	3	75	.05	.206	8	18	.25	56	.03	3	1.57	.02	.08	1	18
115E 103+25N	1	21	16	80	.1	17	8	1519	6.01	47	5	ND	2	9	1	2	3	80	.04	.183	8	23	.46	44	.03	4	2.28	.02	.06	1	8
115E 103+00N	2	16	11	68	.5	11	5	777	4.55	26	5	ND	1	11	1	2	3	70	.05	.158	11	22	.29	41	.03	2	1.84	.02	.07	1	3
115E 102+75N	2	22	16	78	.2	19	8	1294	5.86	37	5	ND	1	10	1	2	4	74	.04	.223	10	33	.39	41	.04	5	1.86	.02	.07	1	3
115E 102+50N	1	19	17	69	.3	17	7	1805	5.85	29	5	ND	2	8	1	2	2	70	.04	.288	11	31	.40	37	.04	3	1.92	.02	.07	1	2
115E 102+25N	2	24	14	82	.4	19	8	1128	6.24	33	5	ND	2	7	1	2	2	69	.03	.219	11	34	.46	34	.05	3	2.30	.02	.06	1	2
115E 102+00N	3	19	14	81	.4	17	12	2562	6.20	33	5	ND	1	8	1	5	2	69	.03	.205	14	29	.35	36	.05	3	1.95	.02	.06	1	6
115E 101+75N	3	20	16	86	.4	18	15	2791	6.01	37	5	ND	1	8	1	2	2	76	.03	.158	12	30	.40	35	.07	3	1.93	.02	.07	1	15
115E 101+50N	3	20	18	88	.3	16	10	1466	5.59	21	5	ND	1	9	1	2	5	78	.05	.156	11	26	.38	43	.05	3	2.13	.02	.07	1	3
115E 101+25N	1	43	20	135	.1	58	11	772	6.58	100	5	ND	2	7	1	2	4	74	.02	.110	11	56	1.19	50	.03	3	2.83	.03	.07	1	6
115E 101+00N	2	22	15	71	.2	22	5	443	6.75	43	7	ND	2	6	1	2	2	66	.03	.193	9	34	.46	28	.03	3	1.97	.02	.06	1	2
115E 100+75N	2	18	14	69	.6	14	8	1613	5.46	28	5	ND	1	9	1	3	4	68	.04	.200	9	26	.27	36	.04	5	1.66	.02	.07	1	2
115E 100+50N	2	21	18	82	.2	21	13	2378	5.69	41	5	ND	1	10	1	2	3	73	.04	.243	11	34	.41	56	.03	5	1.93	.03	.07	1	2
115E 100+25N	1	23	17	78	.1	21	7	1037	5.19	38	5	ND	2	10	1	2	2	63	.05	.316	9	29	.38	46	.03	2	1.41	.02	.09	1	23
115E 100+00N	1	17	20	74	.2	15	12	2337	5.81	29	5	ND	1	15	1	4	3	68	.06	.307	13	26	.21	111	.02	6	1.62	.02	.06	1	1
115E 99+75N	2	18	18	69	.4	17	10	1859	6.45	37	5	ND	1	9	1	2	2	76	.04	.175	9	33	.30	47	.03	5	2.11	.02	.05	1	16
115E 99+50N	2	22	13	86	.2	18	8	1638	6.20	34	5	ND	1	9	1	4	2	69	.03	.268	10	28	.33	38	.01	4	1.75	.02	.08	1	4
115E 99+25N	1	18	19	63	.5	12	9	2205	5.38	22	5	ND	2	14	1	2	2	67	.06	.165	9	24	.13	87	.03	3	1.50	.02	.07	1	1
115E 99+00N	1	26	21	93	.1	30	11	951	5.88	64	5	ND	2	10	1	2	2	58	.06	.147	8	48	.51	40	.02	7	2.85	.02	.05	1	5
115E 97+50N	1	73	24	109	.4	52	24	1764	5.83	20	5	ND	2	4	1	5	2	47	.02	.136	3	64	.34	65	.01	2	1.95	.02	.04	1	4
115E 97+25N	1	55	9	52	.2	13	3	142	4.87	15	5	ND	2	4	1	5	3	51	.01	.194	2	57	.04	27	.01	2	.65	.02	.03	1	1
115E 97+00N	1	52	25	71	.5	28	11	1239	9.49	9	5	ND	2	3	1	2	2	48	.01	.221	2	85	.17	20	.01	2	1.40	.02	.04	1	2
STD C/AU 0.5	19	65	41	133	6.9	75	31	1197	3.98	40	21	8	38	52	19	17	20	74	.48	.117	42	62	.89	177	.09	37	1.73	.10	.15	15	485

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB	Au** OZ/T
KR-86-060	1	5	550	37	1.9	6	5	492	2.09	3	5	ND	1	7	1	4	2	25	.23	.011	2	2	.64	12	.01	5	.97	.02	.02	1	3	-
KR-86-061	2	278	9917	3209	17.1	40	26	1022	4.90	16	5	ND	1	61	85	12	4	10	1.13	.013	2	4	.33	17	.01	8	.44	.03	.06	244	2100	.064
KR-86-062	1	76	94	190	.6	25	7	1634	.70	7	11	ND	1	83	1	2	2	10	16.72	.051	5	4	.09	8	.08	2	1.62	.06	.01	2	2	-
KR-86-063	1	48	66	67	.3	18	6	551	4.70	3	5	ND	5	11	1	2	2	81	.09	.024	7	42	1.24	114	.01	8	2.19	.05	.19	2	1	-
STD C/AU-0.5	22	59	39	137	7.3	71	29	1116	3.98	42	19	8	35	49	18	15	19	69	.48	.107	38	58	.88	182	.09	40	1.72	.09	.14	14	510	-

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS -80 MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JULY 21 1986 DATE REPORT MAILED: July 25/86 ASSAYER. D. Toye ...DEAN TOYE. CERTIFIED B.C. ASSAYER.

MASCOT GOLD MINES PROJECT - 7157 FILE # 86-1560 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
98E 109+00N	2	9	18	81	.5	4	6	655	4.26	56	5	ND	1	20	1	10	5	56	.12	.101	4	4	.45	35	.03	4	1.97	.02	.06	2	13
98E 108+50N	5	18	29	119	.4	12	6	632	6.70	110	5	ND	1	14	1	11	4	61	.08	.149	2	18	.56	36	.04	4	2.11	.02	.07	4	9
98E 108+00N	7	23	17	108	.1	16	6	452	7.23	35	5	ND	2	10	1	11	4	52	.06	.077	13	19	.44	26	.07	2	2.17	.03	.04	2	4
98E 107+50N	6	25	27	126	.3	11	11	1490	6.81	115	5	ND	2	31	1	13	5	60	.06	.228	5	16	.23	36	.03	2	2.57	.02	.06	4	1
98E 107+00N	5	14	14	91	.1	13	4	847	5.84	20	5	ND	1	11	1	10	4	60	.07	.241	7	24	.29	24	.05	5	2.19	.02	.05	1	5
98E 106+50N	5	27	23	140	.1	29	8	920	7.10	26	5	ND	1	14	1	7	4	82	.08	.178	3	27	.54	37	.08	4	2.31	.03	.07	1	2
98E 106+00N	5	17	15	95	.3	12	5	1039	5.39	25	5	ND	1	11	1	8	4	71	.05	.178	7	16	.20	34	.04	4	1.60	.02	.06	4	1
98E 105+50N	8	22	32	126	.4	21	7	907	6.09	36	5	ND	1	11	1	13	4	79	.06	.132	8	30	.48	34	.05	4	1.79	.02	.06	2	5
98E 105+00N	6	26	32	136	.2	18	8	689	7.00	62	5	ND	1	12	1	3	2	84	.09	.148	9	21	.51	46	.06	3	1.98	.03	.05	1	1
98E 104+50N	3	25	50	126	.7	20	11	2370	5.39	81	5	ND	1	14	1	6	3	79	.14	.188	8	22	.53	72	.03	5	2.01	.03	.06	1	26
98E 104+00N	4	32	50	141	1.2	27	13	1350	6.71	109	5	ND	1	12	1	13	5	81	.06	.094	4	26	.54	46	.04	4	2.02	.02	.05	1	43
98E 103+50N	2	24	62	73	.2	14	4	273	4.98	120	5	ND	1	10	1	5	4	99	.05	.055	7	28	.29	38	.03	5	2.23	.02	.04	1	21
98E 103+00N	4	30	31	82	.1	15	5	401	7.01	70	5	ND	1	14	1	8	2	106	.05	.073	2	27	.29	44	.06	4	1.90	.02	.03	2	19
98E 102+50N	8	24	25	110	.8	12	5	941	9.81	63	5	ND	2	10	1	8	3	85	.06	.066	8	23	.34	31	.09	2	2.21	.03	.04	3	11
98E 102+00N	8	43	28	118	.3	20	7	488	8.59	162	5	ND	1	11	1	9	5	108	.08	.091	3	20	.43	37	.06	2	2.35	.02	.04	4	75
98E 101+50N	3	22	7	61	.4	7	3	220	3.29	32	5	ND	1	12	1	4	3	67	.12	.050	3	9	.17	51	.07	3	1.59	.02	.03	2	9
98E 100+50N	6	27	25	101	.4	26	6	593	7.65	80	5	ND	1	10	1	9	2	92	.05	.089	8	30	.42	30	.06	3	1.96	.02	.04	2	1
98E 100+00N	6	40	30	147	.3	35	9	807	7.12	109	5	ND	1	11	1	11	3	66	.04	.075	10	25	.70	38	.06	4	2.32	.02	.04	2	3
98E 99+50N	5	44	35	123	.1	44	5	198	3.97	334	5	ND	1	12	1	6	4	85	.03	.077	11	14	.15	20	.01	4	.93	.01	.02	1	32
98E 99+00N	2	27	28	86	.3	19	5	310	5.33	72	5	ND	2	9	1	11	2	65	.05	.060	4	26	.37	42	.04	4	2.87	.02	.02	2	12
98E 98+50N	5	40	15	97	4.3	21	6	566	4.98	197	5	ND	1	15	1	8	5	70	.06	.101	7	15	.20	33	.01	5	1.38	.02	.03	1	9
98E 98+00N	6	20	12	66	.3	7	4	378	4.91	63	5	ND	1	12	1	8	2	83	.05	.050	6	17	.10	34	.04	5	1.51	.02	.02	1	2
98E 97+50N	9	22	13	78	.9	11	4	216	3.26	83	5	ND	1	15	1	6	2	53	.09	.050	12	13	.20	50	.06	4	1.40	.02	.06	1	11
98E 97+00N	7	28	17	127	.1	20	8	540	6.68	149	5	ND	2	13	1	8	2	85	.07	.040	6	19	.61	65	.09	4	2.18	.03	.08	2	1
98E 96+50N	10	29	14	128	.6	23	5	267	3.41	62	5	ND	1	17	1	3	2	43	.19	.073	10	13	.49	48	.03	4	1.98	.02	.04	1	2
98E 96+00N	5	23	10	105	.5	21	6	380	2.93	54	6	ND	1	14	1	9	2	40	.13	.102	10	15	.56	53	.02	4	2.06	.02	.04	1	16
98E 95+50N	14	17	19	144	.5	19	17	2002	18.15	1205	5	ND	2	20	1	2	3	56	.24	.121	11	14	.43	42	.02	2	1.54	.04	.03	1	1
98E 95+25N	11	38	26	184	.3	48	12	668	6.20	285	5	ND	1	15	1	7	5	79	.12	.052	8	25	.85	109	.07	4	2.82	.03	.11	2	3
98E 95+00N	5	37	32	157	.5	29	15	1065	4.38	134	5	ND	1	20	1	6	2	51	.17	.090	8	13	.71	73	.03	5	1.92	.03	.05	7	55
98E 94+75N	6	37	25	131	.7	29	12	1005	5.40	194	5	ND	1	17	1	8	2	61	.13	.079	7	19	.68	60	.04	6	2.24	.02	.06	4	49
98E 94+50N	8	37	24	127	.7	21	13	2051	4.68	185	5	ND	1	22	1	9	2	61	.21	.116	8	16	.40	53	.02	4	1.90	.03	.06	1	9
99E 108+75N	3	9	23	97	.3	6	7	1135	5.19	78	5	ND	1	19	1	11	4	61	.08	.108	10	14	.34	35	.03	5	2.02	.02	.05	2	1
99E 108+50N	6	11	20	93	.4	7	7	2247	5.75	13	5	ND	2	9	1	11	5	59	.06	.247	15	19	.20	24	.05	6	1.86	.03	.07	1	1
99E 107+75N	3	9	31	122	.3	6	8	1559	4.62	274	6	ND	1	49	1	7	4	79	.55	.154	18	11	.37	62	.02	7	1.76	.03	.08	13	2
99E 107+50N	4	8	31	82	1.2	5	7	2044	2.67	180	7	ND	1	35	2	8	2	60	.41	.198	26	12	.21	61	.02	5	1.99	.03	.07	17	1
99E 107+25N	2	6	12	59	.6	4	3	689	2.73	11	5	ND	1	19	1	8	2	53	.13	.169	8	8	.16	39	.03	4	.95	.03	.10	43	9
STD C/AU-0.5	20	61	40	143	7.2	74	30	1154	3.99	41	17	7	36	50	19	15	20	71	.48	.110	40	60	.89	189	.09	38	1.72	.09	.15	15	510

MASCOT GOLD MINES PROJECT - 7157 FILE # 86-1560 PAGE

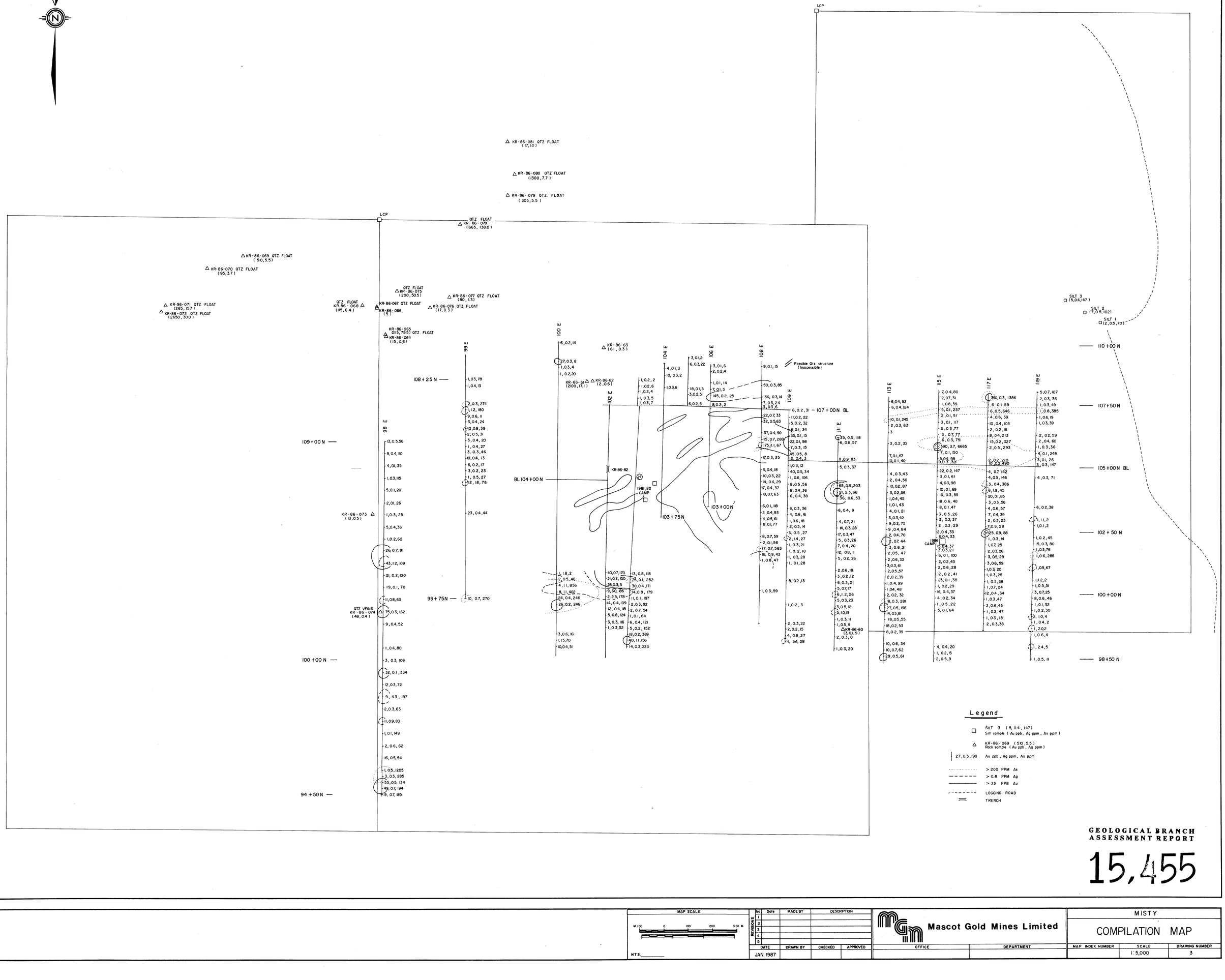
SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
99E 107+00N	4	9	13	78	.4	5	3	372	3.93	24	5	ND	1	17	1	6	2	61	.10	.150	4	10	.25	26	.05	3	1.25	.02	.07	2	3
99E 106+75N	3	8	29	71	.8	2	4	1096	.26	39	5	ND	1	5	2	2	3	7	.06	.207	27	15	.04	11	.01	4	5.96	.03	.03	5	12
99E 106+50N	5	9	30	84	.5	5	9	2714	4.10	31	5	ND	1	16	1	4	2	57	.09	.155	14	9	.12	65	.03	3	1.38	.02	.07	1	2
99E 106+25N	4	10	23	90	.4	6	8	2647	4.34	20	5	ND	1	16	1	4	3	61	.10	.208	5	8	.17	64	.04	4	1.14	.02	.09	1	3
99E 106+00N	4	9	17	86	.4	6	6	1526	4.58	27	5	ND	1	13	1	2	3	65	.08	.135	8	12	.16	30	.05	3	1.64	.02	.06	1	1
99E 105+75N	3	12	17	92	.3	5	5	644	4.66	46	5	ND	1	11	1	2	3	66	.06	.102	6	12	.11	26	.06	3	1.79	.02	.05	3	3
99E 105+50N	3	8	16	74	.4	6	6	837	3.03	13	5	ND	1	10	1	7	4	50	.05	.151	7	12	.07	29	.04	5	1.62	.02	.05	2	10
99E 105+25N	3	8	11	61	.2	9	3	387	3.14	17	5	ND	1	16	1	6	4	74	.10	.094	9	10	.08	39	.06	4	.86	.02	.05	2	6
99E 105+00N	1	8	13	73	.2	8	3	236	3.10	23	5	ND	1	15	1	4	2	49	.12	.074	2	13	.30	41	.04	5	1.46	.03	.05	1	3
99E 104+75N	5	19	18	68	.5	15	4	362	6.53	27	5	ND	1	12	1	2	3	102	.07	.335	2	19	.24	24	.10	2	1.24	.02	.05	2	1
99E 104+50N	3	34	28	124	1.8	27	7	521	4.14	76	5	ND	1	20	1	4	2	81	.11	.073	4	22	.48	94	.04	2	1.92	.03	.06	1	12
99E 103+25N	1	27	33	134	.4	22	8	506	3.05	44	5	ND	2	22	1	5	2	50	.19	.108	4	13	.52	81	.04	4	2.67	.04	.06	1	23
99E 99+75N	5	84	40	246	.7	98	27	2463	5.03	270	5	ND	1	20	1	7	2	48	.10	.201	5	31	.56	94	.02	4	2.83	.03	.07	5	10
117E 107+75N	3	55	108	114	.3	28	13	1500	6.52	1386	5	ND	1	22	1	8	3	86	.03	.104	7	41	.43	46	.04	2	2.65	.02	.07	1	390
117E 107+50N	5	31	20	79	.1	18	7	1362	6.77	59	5	ND	1	27	1	4	3	117	.03	.127	3	41	.25	58	.09	2	1.63	.02	.06	1	6
117E 107+25N	4	34	19	216	.5	69	12	1380	4.94	646	5	ND	3	22	1	3	2	56	.22	.064	15	46	.82	67	.02	3	1.81	.03	.08	1	6
117E 107+00N	4	20	11	71	.6	14	5	279	3.85	39	5	ND	1	17	1	5	4	55	.13	.082	8	17	.10	28	.05	3	1.56	.02	.03	1	4
117E 106+75N	5	34	8	358	.4	103	62	3023	2.36	103	5	ND	4	28	1	2	2	31	.35	.124	11	25	.24	35	.05	5	2.89	.03	.03	1	10
117E 106+50N	3	18	23	79	.2	8	10	439	2.39	16	5	ND	1	11	1	6	4	51	.04	.070	7	16	.12	31	.11	4	1.19	.01	.05	1	2
117E 106+25N	3	20	11	319	.4	65	56	2318	2.66	213	5	ND	4	46	1	6	2	35	.69	.198	8	23	.33	73	.04	4	3.20	.03	.04	1	8
117E 106+00N	3	29	28	184	.2	27	11	795	4.95	327	5	ND	1	43	1	6	3	64	.52	.109	19	28	.34	152	.03	4	1.18	.03	.07	1	15
117E 105+75N	3	76	13	370	.5	119	68	1144	3.53	293	5	ND	1	65	1	2	2	41	.99	.249	16	54	.84	95	.02	5	1.88	.04	.07	1	2
117E 105+25N	3	19	22	186	.2	36	60	3573	3.87	210	5	ND	1	24	1	2	2	43	.21	.285	17	26	.42	71	.02	5	1.97	.02	.08	1	2
117E 105+00N	2	27	19	180	.2	38	20	1377	5.62	490	6	ND	2	19	1	5	4	55	.17	.263	6	42	.61	53	.01	3	2.07	.02	.08	1	10
117E 104+75N	3	27	19	151	.7	34	24	1737	5.01	142	5	ND	1	18	1	3	2	59	.17	.291	6	38	.71	34	.02	4	2.38	.02	.08	1	4
117E 104+50N	4	23	21	162	.3	35	25	2421	4.56	146	5	ND	1	38	1	2	2	59	.47	.229	14	36	.68	54	.02	7	2.08	.03	.07	1	4
117E 104+25N	4	14	20	159	.4	21	26	2922	4.07	386	5	ND	2	20	1	2	2	54	.19	.279	13	29	.46	49	.01	5	1.96	.02	.07	1	3
117E 104+00N	3	33	18	56	1.9	7	15	759	2.82	45	5	ND	1	7	1	2	3	43	.04	.150	13	15	.12	23	.02	5	2.56	.01	.05	2	6
117E 103+75N	3	26	14	94	.1	27	6	469	5.49	85	5	ND	2	10	1	6	2	71	.06	.108	9	35	.61	36	.06	3	2.00	.02	.06	1	20
117E 103+50N	2	12	8	52	.3	8	11	638	3.10	56	5	ND	1	10	1	3	4	67	.04	.074	10	15	.23	42	.07	4	1.21	.02	.06	1	3
117E 103+25N	4	13	11	86	.6	8	5	714	4.62	57	5	ND	2	18	1	3	2	66	.10	.165	10	17	.27	49	.09	4	1.65	.03	.08	1	4
117E 103+00N	3	13	10	55	.4	9	3	382	4.00	39	5	ND	1	8	1	2	3	58	.05	.153	7	17	.29	26	.06	4	1.53	.02	.04	1	7
117E 102+75N	3	12	9	55	.3	7	3	410	4.97	23	5	ND	2	9	1	4	2	64	.05	.095	13	18	.24	34	.07	5	1.70	.02	.04	1	2
117E 102+50N	1	26	13	63	.6	6	7	1280	4.64	28	5	ND	1	9	1	4	2	69	.04	.148	4	11	.28	54	.04	3	2.34	.02	.04	1	7
117E 102+25N	1	27	14	120	.9	20	8	1164	5.96	88	5	ND	1	16	1	2	3	84	.08	.098	6	23	.77	78	.04	3	2.56	.03	.05	1	125
117E 102+00N	1	15	12	82	.3	5	12	1637	3.75	14	5	ND	1	15	1	3	2	72	.13	.135	5	8	.33	101	.02	6	1.48	.03	.06	1	1
STD C/AU-0.5	22	63	40	143	7.1	73	30	1156	3.99	41	17	7	37	51	19	16	19	72	.48	.111	40	62	.89	182	.09	39	1.73	.09	.14	14	510

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
117E 101+75N	2	12	18	90	.7	7	7	1319	6.26	25	5	ND	2	17	1	3	2	91	.08	.163	20	15	.20	108	.04	6	1.51	.02	.07	1	1
117E 101+50N	3	15	13	74	.3	11	6	909	5.94	28	5	ND	1	13	1	2	2	87	.06	.153	4	21	.24	83	.04	4	1.54	.02	.08	1	2
117E 101+25N	4	12	22	96	.5	8	11	3092	6.21	29	5	ND	1	15	1	2	2	85	.08	.146	2	16	.16	71	.04	3	1.77	.02	.08	2	3
117E 101+00N	3	20	16	81	.6	15	8	1152	5.69	59	6	ND	2	8	1	3	2	72	.05	.247	9	30	.25	77	.01	4	1.55	.02	.10	1	3
117E 100+75N	3	12	16	82	.3	10	8	1730	5.70	20	5	ND	1	16	1	2	3	86	.11	.166	4	19	.22	152	.02	4	1.73	.02	.08	1	1
117E 100+50N	3	14	14	72	.3	10	6	1257	6.56	25	8	ND	2	21	1	4	2	84	.13	.228	2	24	.16	127	.02	3	1.48	.02	.09	1	1
117E 100+25N	3	18	16	77	.5	14	11	2313	6.61	38	5	ND	2	15	1	2	2	83	.07	.274	21	27	.28	228	.02	3	1.93	.02	.07	1	1
117E 100+00N	3	16	18	65	.7	8	9	2093	4.50	24	5	ND	2	13	1	2	2	68	.07	.179	12	18	.13	82	.04	4	1.43	.02	.09	1	1
117E 99+75N	3	18	20	81	.4	16	5	948	6.93	34	5	ND	2	15	1	2	2	79	.08	.106	2	33	.36	61	.02	2	2.17	.02	.06	1	12
117E 99+50N	2	19	12	72	.3	15	5	646	5.06	47	5	ND	2	8	1	6	2	75	.04	.159	4	28	.30	59	.02	3	1.96	.02	.07	1	1
117E 99+25N	3	24	19	65	.6	8	5	1640	6.90	45	5	ND	1	9	1	2	3	88	.05	.196	4	26	.16	70	.03	3	1.93	.02	.07	2	2
117E 99+00N	5	27	20	105	.2	23	7	1131	8.41	47	5	ND	1	9	1	3	2	68	.04	.127	4	37	.50	48	.04	2	2.29	.03	.08	1	1
117E 98+75N	3	12	8	50	.3	5	3	491	4.16	18	8	ND	1	12	1	4	2	87	.06	.095	4	16	.11	47	.06	4	1.74	.02	.06	1	1
117E 98+50N	5	19	13	86	.3	12	5	473	8.21	38	5	ND	2	10	1	2	2	83	.05	.064	2	25	.30	47	.06	2	2.01	.03	.04	1	2
119E 107+75N	3	33	13	105	.7	29	8	455	3.70	107	5	ND	1	23	1	3	2	45	.19	.152	3	19	.27	44	.03	4	2.51	.02	.06	1	5
119E 107+50N	3	27	15	74	.3	13	7	1355	6.62	36	5	ND	1	16	1	6	4	89	.08	.166	2	27	.25	46	.05	4	1.48	.02	.07	1	2
119E 107+25N	3	35	22	87	.3	19	6	625	7.01	49	5	ND	2	15	1	6	3	107	.13	.186	2	27	.38	42	.07	2	1.63	.02	.07	1	1
119E 107+00N	3	36	29	164	.8	40	41	2740	6.45	385	5	ND	2	29	1	2	3	73	.33	.185	4	32	.51	69	.02	2	2.28	.03	.08	1	1
119E 106+75N	3	27	9	63	.6	20	10	240	3.17	19	5	ND	1	15	1	4	4	36	.13	.156	7	21	.16	26	.02	3	1.65	.02	.06	1	1
119E 106+50N	3	26	19	113	.3	24	17	1775	4.66	39	5	ND	1	35	1	2	2	71	.42	.154	16	31	.42	108	.02	5	1.59	.03	.09	1	1
119E 106+00N	3	24	7	72	.2	12	4	281	6.67	59	5	ND	2	9	1	2	5	104	.04	.095	2	36	.26	43	.08	3	2.69	.02	.05	1	2
119E 105+75N	4	23	15	66	.4	17	4	248	6.34	60	5	ND	2	9	1	4	3	82	.03	.101	2	34	.41	42	.04	3	1.95	.02	.06	1	2
119E 105+50N	3	28	16	117	.3	29	8	519	5.12	36	6	ND	2	22	1	6	2	64	.06	.063	5	28	.78	50	.06	6	2.43	.03	.08	1	1
119E 105+25N	2	17	10	68	.1	11	4	310	4.34	249	5	ND	1	22	1	5	4	95	.07	.050	2	20	.32	85	.07	4	1.56	.02	.06	1	4
119E 105+00N	2	14	9	49	.1	8	3	212	2.13	26	5	ND	1	18	1	2	3	105	.04	.040	5	10	.07	76	.07	2	.78	.01	.06	1	3
119E 104+75N	3	40	46	176	.3	42	40	4195	6.35	147	7	ND	2	36	1	2	2	78	.13	.236	2	35	.75	158	.02	5	2.29	.03	.10	1	3
119E 104+25N	2	32	16	123	.3	25	22	2034	4.96	71	5	ND	2	22	1	2	2	58	.13	.174	5	26	.64	61	.03	4	2.97	.03	.06	1	4
119E 103+25N	3	13	8	71	.2	9	3	205	3.97	38	5	ND	1	13	1	3	3	87	.09	.056	4	15	.22	35	.07	3	1.50	.02	.05	1	6
119E 102+75N	1	11	13	134	1.1	8	3	79	.35	2	5	ND	1	19	1	3	3	8	.09	.214	2	6	.05	51	.01	2	.62	.02	.09	1	1
119E 102+50N	1	5	3	54	.1	4	1	37	.28	2	5	ND	1	28	1	2	2	8	.06	.079	2	7	.07	49	.01	2	.39	.01	.03	1	1
119E 102+00N	1	16	11	74	.2	13	5	612	4.38	45	5	ND	1	12	1	3	2	54	.06	.104	2	18	.29	115	.02	4	2.00	.02	.05	1	1
119E 101+75N	1	24	6	103	.3	18	12	1873	3.00	80	5	ND	1	22	1	2	2	43	.16	.201	3	16	.49	219	.03	4	2.84	.02	.06	1	15
119E 101+50N	4	18	7	70	.3	10	4	629	3.43	76	5	ND	1	20	1	5	2	44	.16	.264	2	11	.16	66	.02	5	2.32	.02	.05	2	1
119E 101+25N	1	22	2	116	.6	18	18	2255	1.08	288	5	ND	2	20	1	2	3	21	.26	.208	14	22	.22	53	.02	3	8.21	.02	.04	1	1
119E 100+75N	29	19	17	126	.9	25	24	5554	3.00	67	12	ND	3	149	1	3	2	47	1.92	.426	15	34	.32	144	.02	5	2.02	.04	.08	2	1
119E 100+25N	1	13	6	104	1.2	7	2	41	.55	2	5	ND	1	103	1	2	2	6	1.41	.283	8	5	.07	36	.01	2	1.14	.03	.03	1	1
STD C/AU-0.5	22	62	40	142	7.1	74	30	1152	3.98	40	20	7	36	50	19	16	22	71	.48	.111	37	58	.89	181	.09	39	1.73	.09	.14	15	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Aut PPB
119E 100+00N	8	25	13	81	.5	17	4	413	5.24	51	12	ND	2	53	1	2	2	84	.55	.059	11	23	.22	85	.04	2	1.48	.03	.05	1	1
119E 99+75N	3	19	14	79	.7	16	11	893	2.95	25	5	ND	1	23	1	2	2	43	.30	.177	6	23	.37	51	.01	2	2.16	.02	.05	1	3
119E 99+50N	3	35	12	88	.6	29	8	747	4.01	46	5	ND	1	12	1	2	2	52	.13	.142	6	26	.49	48	.02	2	2.24	.02	.05	1	8
119E 99+25N	17	18	12	253	.1	92	129	61175	6.61	52	5	ND	4	42	4	2	7	60	.37	.174	5	32	.30	603	.01	3	1.96	.04	.04	1	1
119E 99+00N	10	12	12	83	.2	14	8	1928	4.01	30	5	ND	1	28	1	2	2	68	.35	.073	11	18	.29	73	.05	2	1.85	.03	.05	1	1
119E 98+75N	2	12	2	46	1.0	6	2	316	1.67	4	5	ND	1	12	1	2	2	17	.09	.184	5	8	.05	31	.01	2	1.29	.01	.03	1	1
119E 98+50N	1	7	3	105	.4	5	2	60	.22	2	6	ND	1	36	1	2	2	4	.16	.093	2	1	.04	86	.01	3	.34	.02	.06	1	1
119E 98+25N	1	16	3	79	2.0	6	3	58	.50	2	5	ND	1	11	1	2	2	4	.10	.177	6	4	.03	33	.01	3	1.65	.01	.06	1	1
119E 98+00N	4	9	10	53	.6	35	4	503	1.81	4	5	ND	1	13	1	2	2	45	.08	.043	8	11	.30	45	.03	2	1.19	.01	.05	1	1
119E 97+50N	4	17	28	98	2.4	11	31	4518	4.13	5	5	ND	2	13	1	2	3	45	.14	.248	9	16	.23	41	.02	2	3.28	.02	.04	1	1
119E 97+00N	3	14	9	82	.5	20	5	379	3.95	11	5	ND	1	17	1	2	2	72	.24	.071	8	23	.48	40	.05	3	1.49	.03	.06	1	1
#1 SILT	2	42	16	163	.5	59	11	862	4.99	70	5	ND	3	25	1	2	4	87	.41	.099	9	52	1.53	82	.06	3	2.34	.06	.12	1	2
#2 SILT	2	48	18	170	.5	65	11	847	5.34	102	5	ND	4	25	1	2	2	93	.41	.090	9	55	1.50	94	.08	3	2.32	.06	.14	1	7
#3 SILT	2	49	22	197	.4	65	13	941	5.26	147	5	ND	3	28	1	2	2	85	.39	.085	10	48	1.36	97	.07	2	2.25	.05	.10	1	5
STD C/AU 0.5	20	61	37	137	7.2	68	28	1094	3.94	38	16	7	35	49	17	16	19	68	.48	.104	36	57	.88	187	.08	36	1.73	.09	.13	14	510

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au† PPB
KR-86-064	1	4	13	85	.6	4	12	1455	4.79	29	10	ND	4	201	1	2	4	43	7.56	.139	8	1	.87	95	.01	4	1.85	.08	.26	1	15
KR-86-065	2	98	1676	3284	79.5✓	3	8	968	3.15	116	9	ND	1	55	173	74	63	7	2.39	.028	2	1	.23	26	.01	4	.36	.03	.05	26	215
KR-86-066	1	8	6	68	.4	3	11	1184	4.75	13	19	ND	3	99	1	2	4	44	4.49	.135	7	4	.85	68	.01	4	1.23	.08	.22	1	5
KR-86-067	1	29	433	207	50.5✓	2	4	1149	3.26	86	8	ND	1	71	1	112	2	8	4.60	.026	2	1	.32	23	.01	6	.38	.05	.07	2	200
KR-86-068	2	209	6	19	6.4	3	6	480	2.14	189	5	ND	1	23	1	5	3	9	.22	.110	2	2	.32	31	.01	5	.64	.02	.10	2	115
KR-86-069	4	53	731	5120	5.5	3	6	884	2.84	1600	11	ND	1	26	33	60	5	9	4.16	.021	2	1	.09	14	.01	5	.15	.04	.05	24	510
KR-86-070	2	27	101	225	3.7	3	2	324	.99	1457	5	ND	1	11	1	5	4	4	.32	.018	2	2	.07	22	.01	3	.19	.02	.06	37	195
KR-86-071	3	21	1172	157	15.7	4	2	143	1.38	1167	5	3	1	7	4	22	5	5	.07	.024	2	2	.06	18	.01	3	.24	.01	.07	1	265
KR-86-072	40	100	657	342	30.0	7	3	138	4.71	16280	8	3	1	7	4	110	11	14	.04	.022	2	5	.16	11	.01	3	.42	.01	.05	4	2650
KR-86-073	2	59	15	157	.5	114	19	510	5.40	55	13	ND	4	12	1	2	2	154	.22	.081	10	133	2.07	59	.03	2	2.49	.04	.19	2	13
KR-86-074	2	5	9	8	.4	3	1	65	.39	175	5	ND	1	1	1	2	3	2	.01	.002	2	6	.01	2	.01	3	.04	.01	.02	2	48
KR-86-075	2	17	8	33	2.2	4	7	658	2.10	51	5	ND	1	8	1	7	2	8	.25	.092	6	4	.12	58	.01	5	.50	.02	.15	2	38
KR-86-076	1	4	17	23	.3	2	2	335	1.07	77	6	ND	1	11	1	2	3	3	.53	.027	4	4	.06	43	.01	4	.23	.02	.11	1	17
KR-86-077	2	65	41	52	1.3	2	9	1839	4.78	51	5	ND	1	99	1	2	2	13	6.08	.006	3	1	.86	6	.01	2	.58	.05	.01	1	80
KR-86-078	1	154	370	841	138.0✓	3	3	322	1.69	61	5	ND	1	11	5	120	2	5	.37	.022	2	4	.15	17	.01	4	.32	.01	.05	4	665
KR-86-079	3	13	861	47	5.5	2	1	163	.49	5	5	ND	1	2	1	3	2	1	.03	.003	2	4	.01	4	.01	2	.04	.01	.02	180	305
KR-86-080	20	26	303	598	7.7	2	1	151	.92	38	5	ND	1	2	9	4	2	9	.08	.005	2	4	.09	9	.01	2	.17	.01	.04	5	1300
KR-86-081	1	4	170	46	1.0	1	7	625	2.25	48	5	ND	1	159	1	8	3	13	5.95	.133	7	2	.21	62	.01	7	.64	.06	.23	2	17
KR-86-082	3	95	63	407	.5	194	46	1071	5.90	55	20	ND	5	25	1	8	3	87	.01	.066	18	86	1.50	77	.03	2	3.78	.02	.16	2	13
KR-86-083	1	28	23	80	.5	46	8	2502	2.98	20	5	ND	3	580	1	2	2	27	9.20	.040	7	25	.84	56	.01	4	1.54	.07	.08	1	10
KR-86-084	1	14	16	72	.2	41	8	878	2.90	4	5	ND	2	115	1	2	2	26	1.37	.043	7	24	.92	53	.01	3	1.45	.04	.09	1	3
KR-86-085	1	15	14	47	.1	15	4	1373	2.46	5	5	ND	1	212	1	2	2	16	4.06	.018	3	11	.49	29	.01	2	.71	.05	.04	1	2
KR-86-086	1	13	35	74	.2	31	7	903	2.71	4	5	ND	1	28	1	7	2	22	.30	.012	5	18	.18	52	.01	5	.46	.02	.06	1	1
STD C/AU 0.5	22	61	40	144	7.2	74	30	1162	4.00	40	16	8	36	50	19	17	22	72	.47	.111	39	61	.89	188	.09	36	1.73	.09	.14	15	500

✓ Assay required for correct result



Legend

- □ SILT 3 (5,0.4,147) — Silt sample (Au ppb, Ag ppm, As ppm)
- △ KR-86-069 (510,5.5) — Rock sample (Au ppb, Ag ppm)
- 27,0.5,198 — Au ppb, Ag ppm, As ppm
- ····· > 200 PPM As
- – – – – > 0.8 PPM Ag
- ——— > 25 PPB Au
- LOGGING ROAD
- TRENCH

GEOLOGICAL BRANCH ASSESSMENT REPORT

15,455

MAP SCALE: M 100 0 100 200 300 M. NTS.

No	Date	MADE BY	DESCRIPTION
REVISIONS 1			
2			
3			
4			
5			

DATE	DRAWN BY	CHECKED	APPROVED
JAN 1987			

Mascot Gold Mines Limited

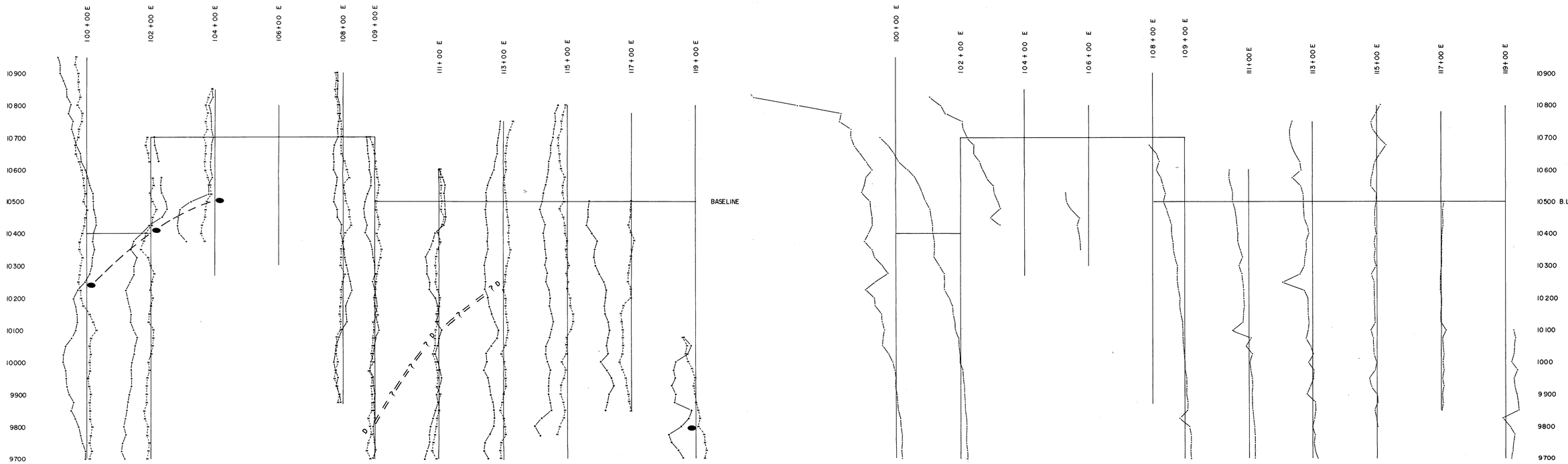
OFFICE	DEPARTMENT

MISTY

COMPILATION MAP

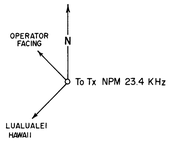
MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1:5,000	3

VANCAL 6748



LEGEND

- INPHASE
- QUADRATURE
- CROSSOVER
- VLF EM ANOMALY
- INTERPRETED CONDUCTOR AXIS
- D — DIKE INTERPRETED FROM MAGNETIC PROFILES
- INTERPRETED DIKE AXIS
- 1 CM = 20 %



VLF SURVEY

LEGEND

- PLOTTING SCALE - 1 CM = 100 GAMMAS
- PLOTTING DATUM LEVEL 57,300 GAMMAS
- TOTAL FIELD MAGNETIC PROFILE

TOTAL FIELD MAGNETIC SURVEY

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,455

MANUAL 1043

MAP SCALE
m 100 0 100 200 300 m
NTS.

REVISIONS	No	Date	MADE BY	DESCRIPTION
	1			
	2			
	3			
	4			
	5			

DATE	DRAWN BY	CHECKED	APPROVED
9/9/86	J.v.V		

Mascot Gold Mines Limited

OFFICE	DEPARTMENT

MISTY PROJECT

GEOPHYSICAL SURVEY

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1:5000	