86-500-15096

A&M exploration ltd. GEOLOGY • GEOPHYSICS MINING ENGINEERING

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TELEPHONE (604) 681-0191

GEOCHEMICAL AND GEOPHYSICAL REPORT

on the

QUES 1 CLAIM

Cariboo Mining Division - British Columbia

Lat. 52° 44' N. Long. 121° 51' W.

N.T.S. 93A/12W

MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES
Rec'd SEP 4 1986
SUBJECT
FILE
VANCOUVER, B.C.

for

BUENA EXPLORATION LIMITED

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,096

by

J. Gravel, M.Sc.

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D. R. MacQuarrie, B.Sc.

FILMED

July 28, 1986

Vancouver, B. C.

TABLE OF CONTENTS

TABLE OF CONTENTS (Cont'd)

FIGURES

APPENDICES

SUMMARY

Buena Exploration Ltd. holds title to the QUES 1 claims, a 20 unit block located in the Cariboo Mining Division of central British Columbia. The property lies 50 kilometres southeast of Quesnel and is directly accessible by a branch of the Nyland Lake logging road. Past work consists of an airborne magnetic and electromagnetic survey in 1984. Results of the 1986 follow-up program which comprised ground geophysical and soil geochemistry surveys are summarized in this report.

The QUES 1 claim is strategically located along the Quesnel Basin fault, eight kilometres northwest of the QR and QR West deposits and immediately to the northeast of the Maud occurrence. Other important discoveries in the area include the Cariboo Bell deposit and Mt. Calvery's Spanish Mountain occurrence, 33 and 40 kilometres to the southeast, respectively. Significant geochemical and geophysical anomalies have been found both north (Titan Resources Ltd.) and south (Curator Resources Ltd., Buena Exploration Ltd.) of the property.

The aforementioned properties lie within the Quesnel Trough, a northwest trending belt of dominantly Lower Mesozoic volcanic and volcanically derived sedimentary rocks. The QR and Cariboo Bell deposits are associated with complex alkalic intrusions that are coeval to the enclosing volcanics. Both discoveries are based on geochemically and geophysically derived drill targets.

Based on 1984 airborne geophysical and soil geochemical results, M. Mitchell conducted a follow-up geochemical and magnetometer survey. Reproducible soil anomalies were revisted in 1986 and further tested for their mineral bearing potential. Approximately 9.2 kilometres of grid lines were established in a zone of interest. Geophysical surveys conducted in 1986, consisted of VLF-EM, proton procession magnetometer and induced polarization readings. Readings were obtained every 50 metres. B horizon soil samples were collected every 50 metres over lines 100N, 104N, 106N, 108N and 112N. The 49 soil samples and 1 rock chip sample were analysed for gold at Rossbacher Laboratory Ltd. and 30

element inductively coupled argon plasma spectrometry (ICP) determination at ACME Analytical Laboratory. Maximum gold concentration is 70 ppb (parts per billion) found on the southern periphery of the zone of interest. A region of modestly anomalous zinc (maximum 266 ppm), aluminum (3.29%),arsenic (28 ppm), barium (323 ppm), iron (5.16%), phosphorus (.20%) coupled with VLF-EM and IP anomalies was defined within the area of interest.

CONCLUSION

Continued positive results by various companies in the Quesnel River area indicate the area will continue to be one of intense exploration activity. The QUES 1 claim is strategically located in terms of proximity to known deposits positioned along favourable structures and geology.

Good accessibility and moderate to thin glacial drift promote cost effective exploration. A multielement geochemical anomaly coincident to VLF-electromagnetic and induced polarization anomalies has been defined. Results suggest that sulphide mineralization with possible accompanying alteration may underly the zone. Trenching targets include the aforementioned zone and the gold-rich zone defined in 1984 and 1985 geochemical surveys.

RECOMMENDATION

A program of backhoe trenching is recommended to test multielement geochemical anomalies and coincident geophysical anomalies on the QUES 1 property. Additional induced polarization surveys should be carried out to further define the anomalous zone to the southeast. Should results be favorable then a phase II program of diamond drilling will be warranted. Estimated costs of phase I and II are $30,500.00 and $68,000.00 respectively, for a grand tootal of $98,500.00.

ESTIMATED COSTS OF RECOMMENDATIONS

PHASE I Road construction, trenching.

Salaries

Geologist	15 days @ $200/day	$ 3,000
Assistant	15 days @ $100/day	1,500
Induced polarization survey	5 days @ $1500/day (all incl.)	7,500
Geochemical Analyses		2,000
Room and Board	30 man-days @ $40	1,200
Vehicle Rental		1,500
Material, Camp Supplies		1,000
Supervision, Maps, Consulting		2,000
Trenching and Bulldozing	100 hours @ $80/hr (all Incl.)	8,000
	Subtotal	$27,700
	Contingencies	$ 2,800
	TOTAL PHASE I	**$30,500**

PHASE II Diamond drilling.

Diamond drilling	1,500 feet @ $35/ft (all incl.)	$52,500
Assays		3,000
Supervision, consulting and report		6,000
	Subtotal	$61,500
	Contingencies	6,500
	TOTAL PHASE II	**$68,000**
	GRAND TOTAL	**$98,500**

INTRODUCTION

Buena Exploration Ltd. holds the QUES 1 claim, a 20 unit block which was staked based on its favourable geology, structure and position relative to several substantial gold discoveries in the Cariboo-Quesnel Gold belt. The property lies immediately northeast of the Dome Mines' Maud claims containing the Maud copper-gold deposit. Dome Mines also holds the QR (950,000 tons grading 0.21 oz/ton Au) and QR West deposits which are found eight kilometres to the southeast, along strike of the main regional structural trend.

This report summarizes results of geophysical and geochemical surveys performed from 1984 to 1986. Geology of the QR, QR West, Maud, and other exploration targets in the Cariboo-Quesnel gold belt is discussed.

LOCATION, ACCESS, PHYSIOGRAPHY

The QUES 1 claim is situated 50 kilometres southeast of Quesnel, British Columbia (Figure 1), at the southern tip of MAUD LAKE (Figure 2). The area is part of the Quesnel Highlands of the Interior Plateau. Low rolling hills elongated in the direction of glaciation (310°) separated by boggy depressions are the principal geophysiographic features. The hills are typically covered by a thin veneer of glacial till which varies from less than one metre to several tens of metres thick. Maximum relief of about 50 metres is observed along Maud Creek.

Forest cover consists of mature growths of lodgepole pine, balsam, fir, spruce and poplar with undergrowth of alder and willow. A branch of the Nyland Lake logging road traverses the southwest corner of the claim block making the property accessible by 4-wheel drive vehicle (Figure 2).

BUENA EXPLORATION LTD.
QUES I PROPERTY
LOCATION MAP

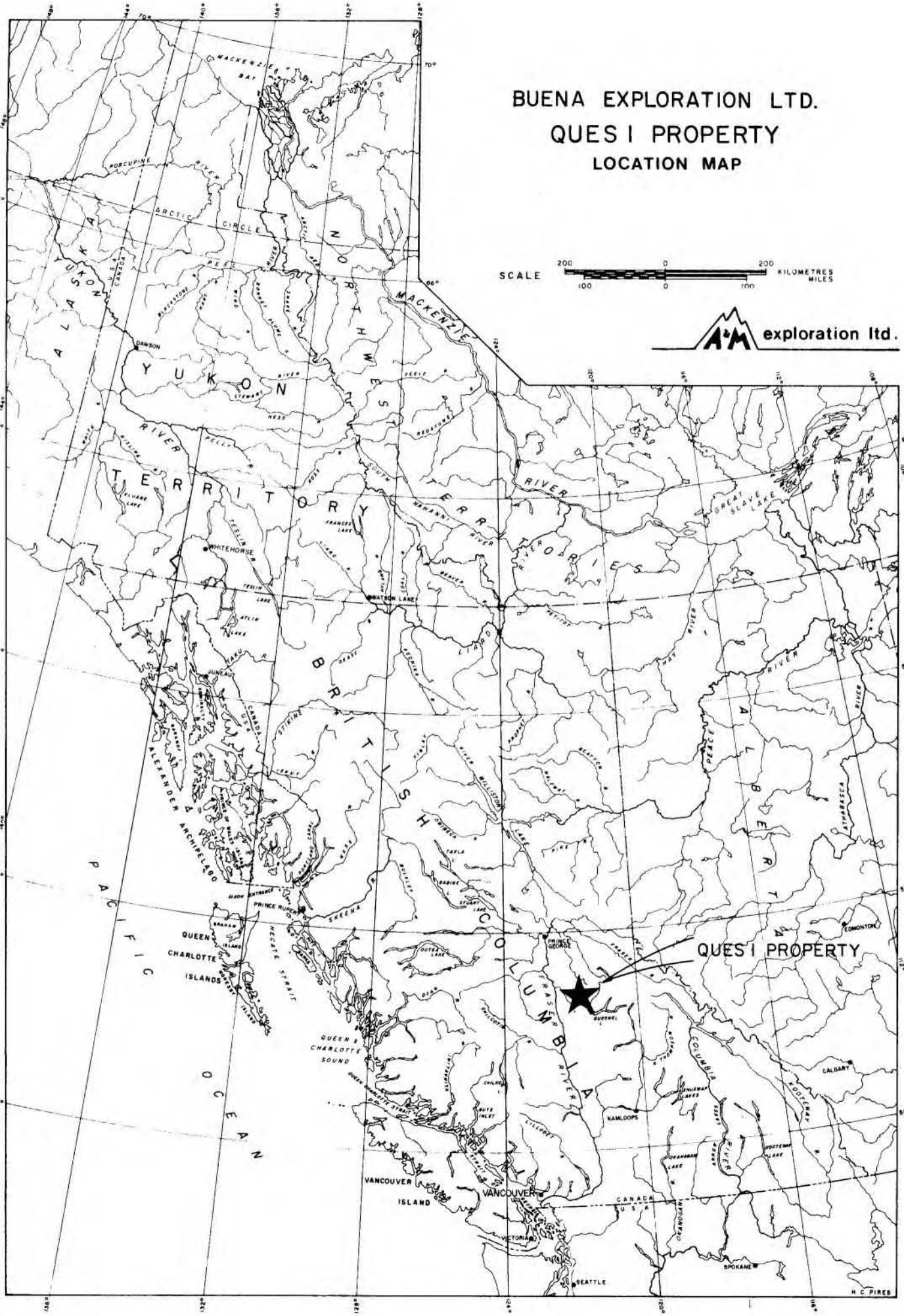
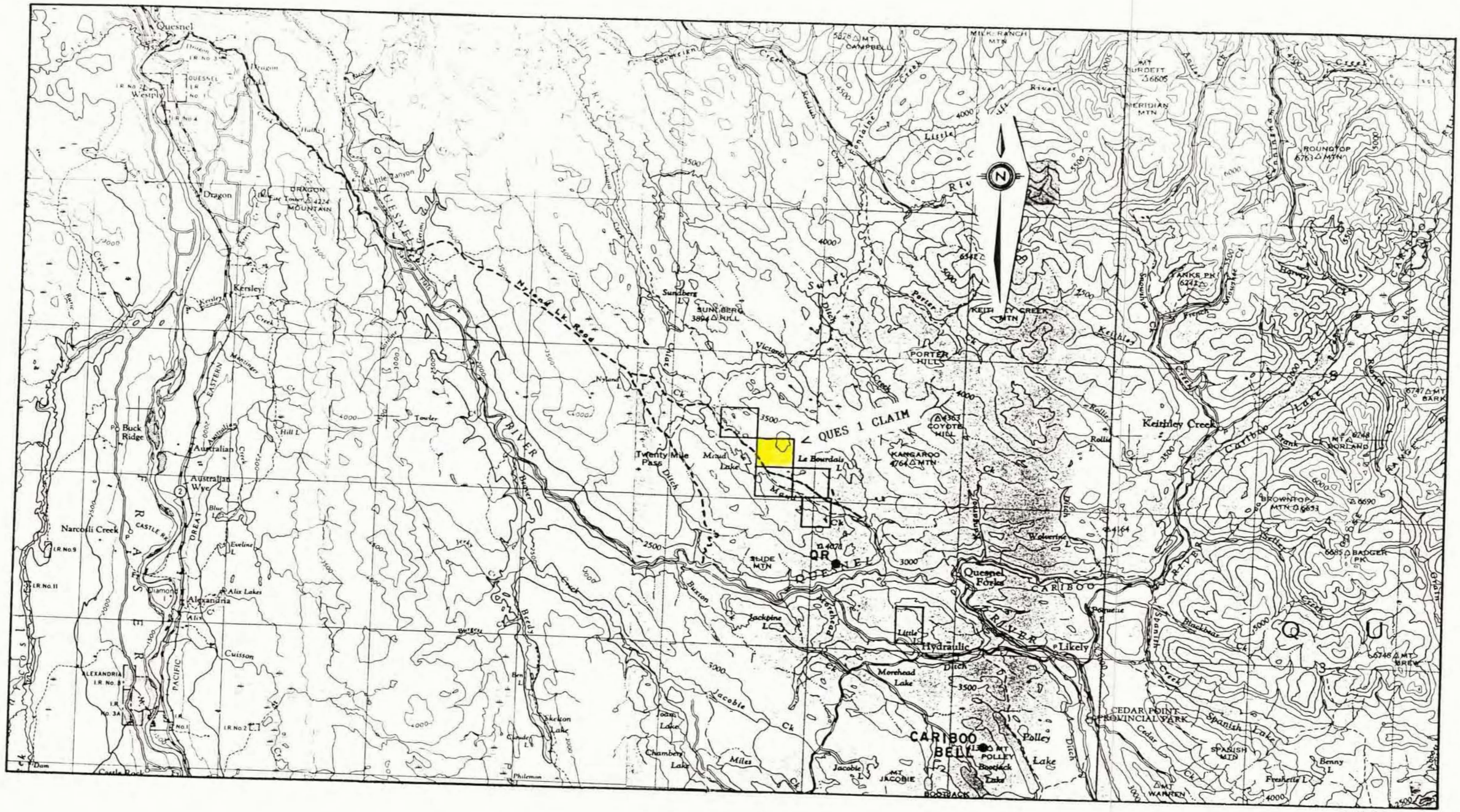


FIGURE – I



N.T.S. 93 A, B

SCALE 5 0 5 KILOMETRES / 5 0 5 MILES

1 : 250,000

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ACCESS MAP

QUES 1 CLAIM

Cariboo Mining Division - British Columbia

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Figure 2

CLAIM DATA

The QUES 1 claim, comprising 20 claim units, is owned by Buena Exploration Ltd. D. Cuvelier retains a 5% interest in the claim block. The claim Record Number is 4878 and expiry date is June 6, 1988. Claim boundaries are shown on Figure 3.

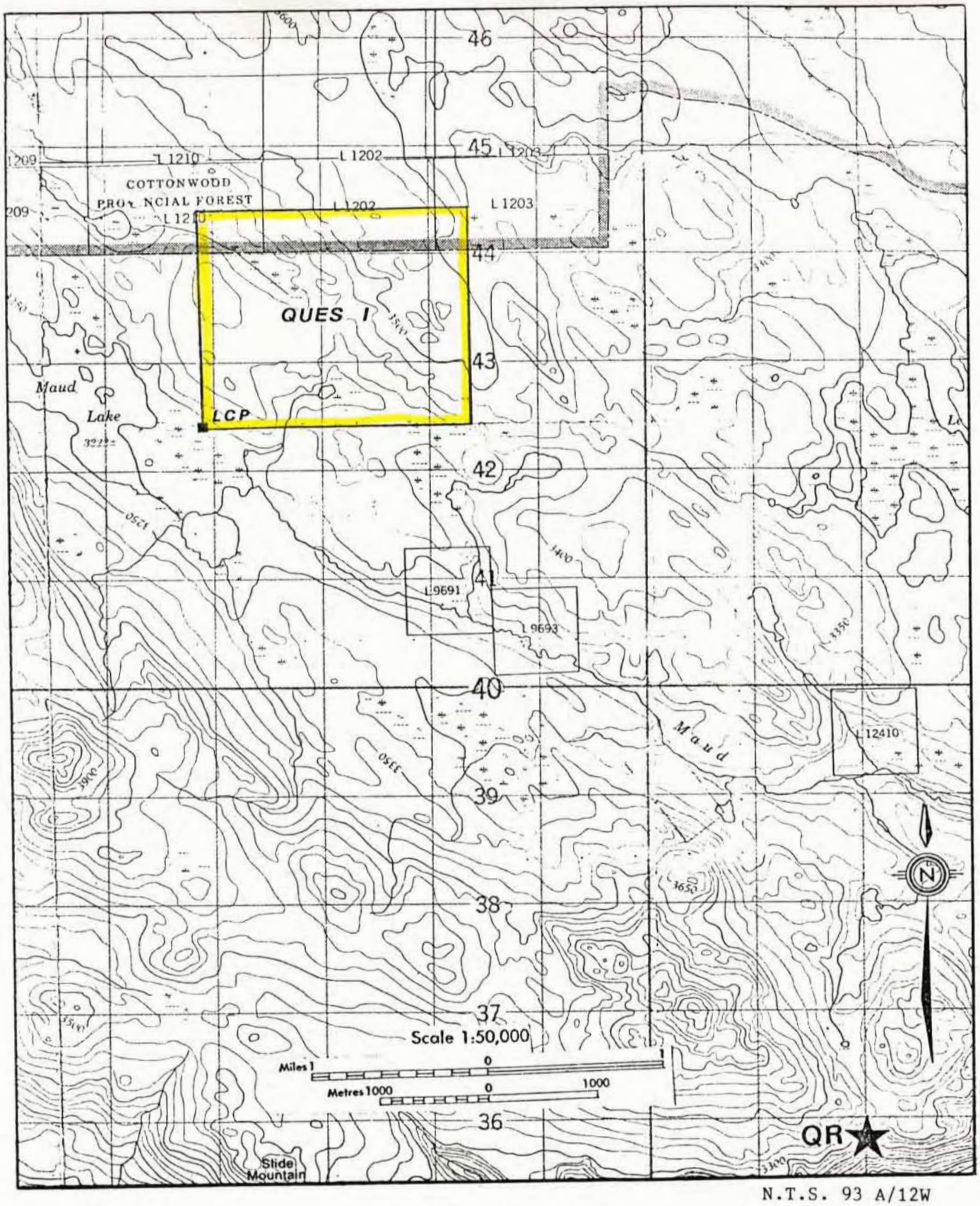
GEOLOGY

Regional Geology

The area of interest is underlain by a thick sequence of mainly Upper Triassic and Lower Jurassic volcaniclastic and sedimentary rocks that lie in a fault bounded structure termed the Quesnel Trough (Campbell and Tipper, 1970). It is a northwesterly trending feature about 35 kilometres wide (Figure 4a) which is flanked on the east by Proterozoic and Paleozoic strata of the Omineca geanticline and on the west by Upper Paleozoic rocks of the Pinchi geanticline. Intrusive rocks in the trough fall into two age groups. Those grouped as 200 m.y.$\pm$ include two types: (1a) plutons and batholiths such as the Takomkane batholith, which vary in composition from granodiorite to quartz diorite and (1b) small alkalic stocks that are apparently coeval with enclosing volcanic rocks and vary in composition from syenite through diorite to pyroxenite; (2) plutons of the 100 m.y.$\pm$ age group are primarily biotite quartz monzonite and granodiorite and are commonly porphyritic - one such intrusion outcrops in the Quesnel River valley seven kilometres southwest of the claim area and another unmapped intrusion lies about five kilometres northwest of Maud Lake.

Property Geology

Because relief in the QUES 1 claim area is subdued, outcrops are nonexistant. Most of the rock-types observed only in float were phases of andesite and basalt with varied textures. Of these, porphyritic augite andesite phases predominate. Areas of low magnetic relief suggest that the northern half of the claim area is actually underlain by sedimentary rocks.



N.T.S. 93 A/12W

BUENA EXPLORATION LTD.

CLAIM MAP

QUES 1 CLAIM

Cariboo Mining Division - British Columbia

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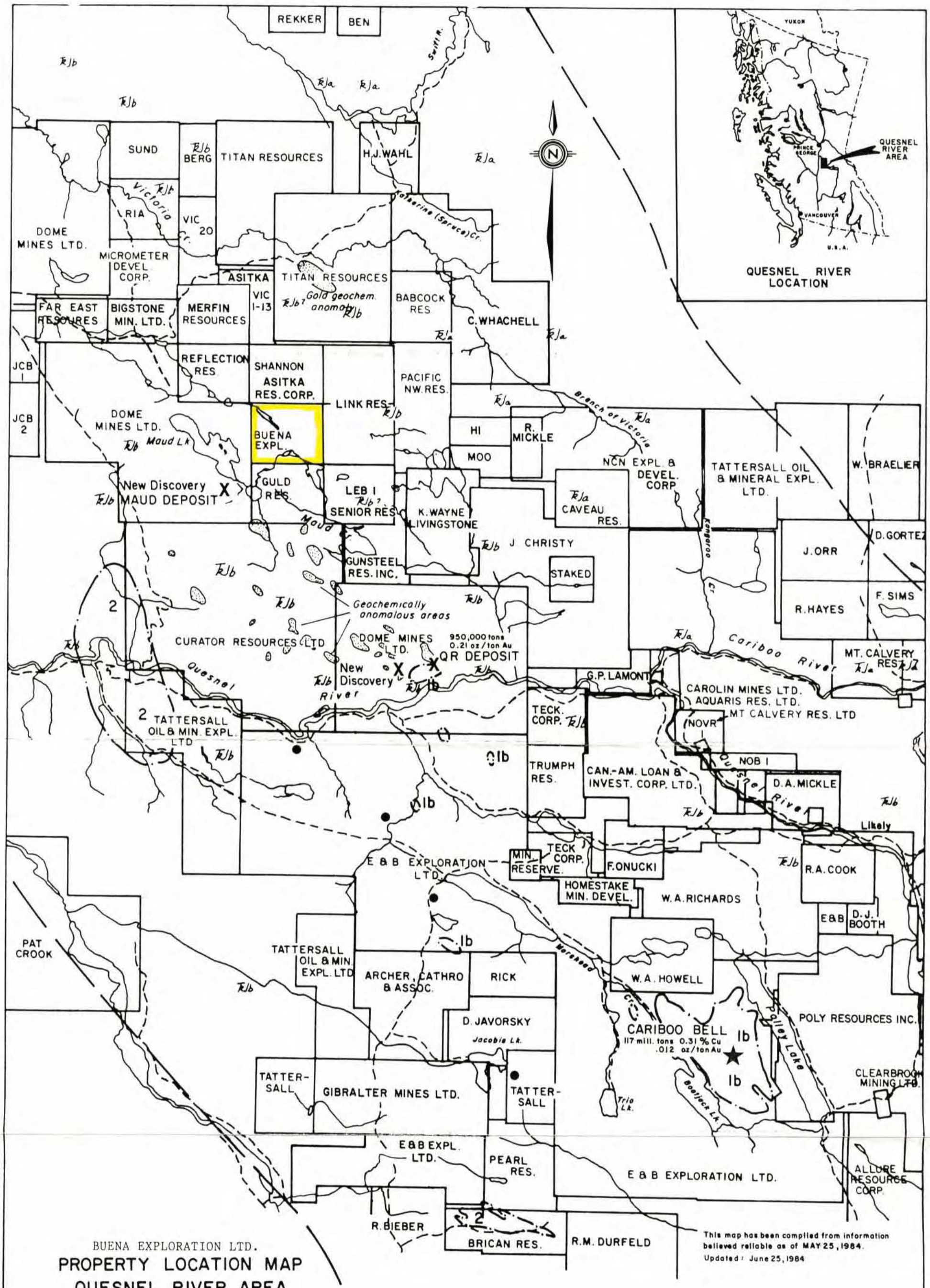
Figure 3



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PROPERTY LOCATION MAP
QUESNEL RIVER AREA

LEGEND

Boundary of Mesozoic volcanic and sedimentary rocks of the Quesnel Trough.

2 — Jurassic-Cretaceous quartz monzonite, granodiorite

lb — Lower Jurassic alkalic stocks

• Copper prospect

1 : 125,000

5 0 5 KILOMETRES
2 0 2 MILES

SCALE

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Figure 4a

The main rock types in the immediate area as described by Campbell (1978) are as follows:

Unit TrJa - (Norian and (?) Younger) - basaltic tuff and breccia, generally fine-grained; argillite, flows, chert.

Unit TrJb - (Norian and (?) Younger) - augite porphyry basalt breccia, minor flow, tuff and tuffaceous argillite, local andesitic basalt.

MINERAL OCCURRENCES OF THE CARIBOO-QUESNEL GOLD BELT

In addition to the well known placer gold deposits, two significant mineral deposits occur in the Quesnel River area. The QR prospect is a gold discovery currently being explored by Dome Mines Ltd. Reserves reported by Dome are 950,000 tons grading 0.21 oz/ton gold (1981 Dome Mines Annual Report). The Cariboo Bell deposit is a large tonnage low grade copper-gold deposit currently being explored by E and B Exploration. Mineable open pit reserves are 117 million tons grading between 0.04 and 0.05 oz/ton gold (North American Gold Mining News, January 15, 1984). In addition, recent discoveries in the area have been made by Dome Mines - the QR West and Maud deposits (Figure 4b).

Results of work on claims held by Titan Resources Ltd., five kilometres to the north of the QUES 1 claim, have recently been announced (see Titan Resources Ltd., various new releases). This work outlined a strong 1200 metre long VLF-electromagnetic conductor. Highly anomalous gold values (>10,000 ppb Au) are reported in heavy mineral concentrate samples over and downstream from the conductor. Follow-up surveys and diamond drilling were carried out with limited success.

Exploration by Curator Resources Ltd. (December 13, 1983, company news release) south of the MAUD property has outlined two strong induced polarization zones and a number of copper, gold, lead, silver and zinc geochemical anomalies.

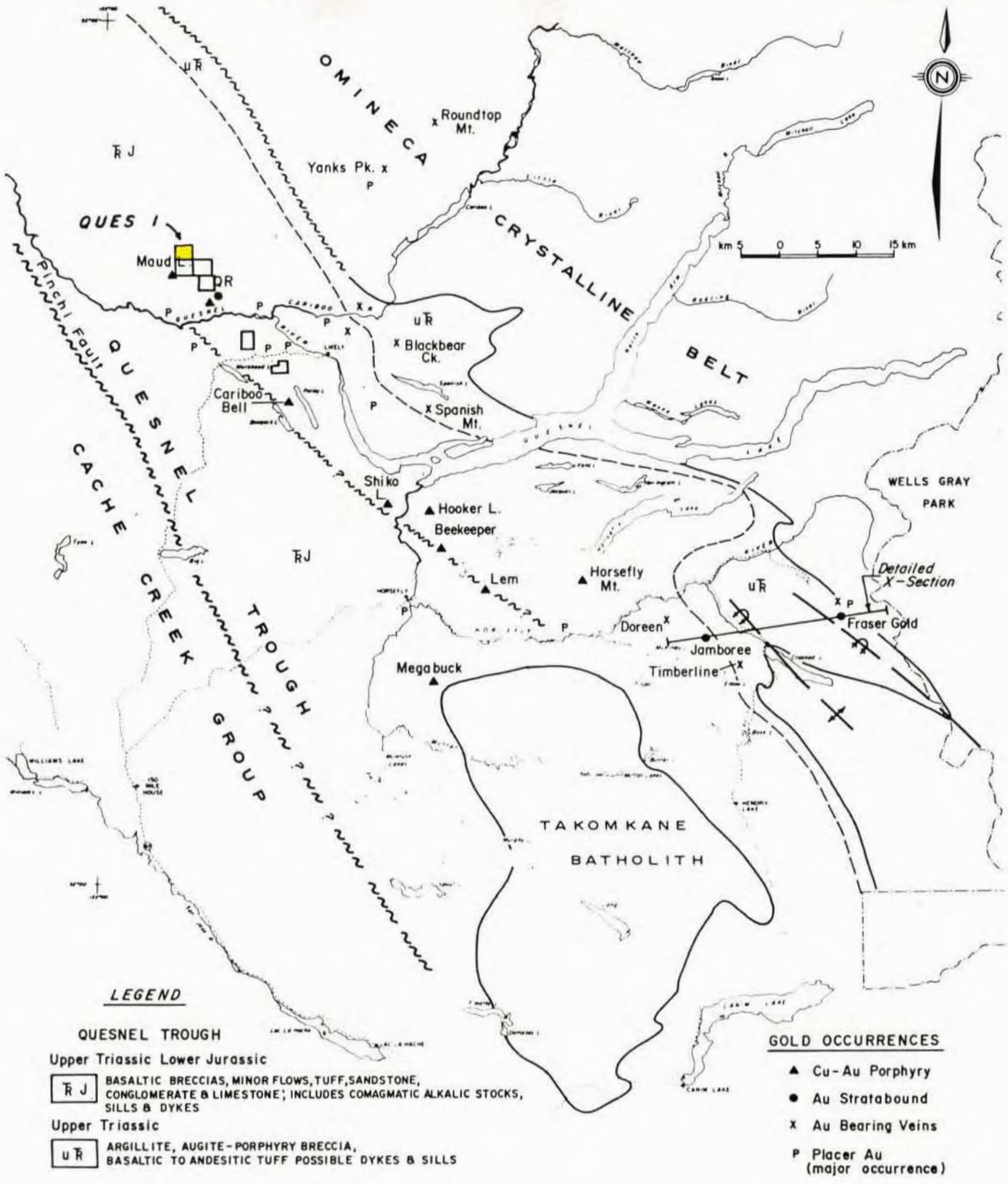


Figure 4b. QUESNEL GOLD BELT - TECTONIC FEATURES AND GOLD OCCURRENCES

After Saleken and Simpson (1984)

Mt. Calvery Resources have announced a new gold discovery on Spanish Mountain 30 kilometres to the southeast. Gold occurs associated with pyrite in phyllites and graphitic phyllites with values to 0.1 oz/ton Au over widths up to 15 metres (see Mt. Calvery Resources, various news releases).

Copper ± gold mineralization is widespread in the Quesnel Trough. A number of copper prospects are shown on Figures 4a and 4b. The scarcity of mineral occurrences to the north of Quesnel River may be because of widespread glacial drift and lack of outcrop and hence, up until recently, the area has not been intensely explored.

QR Deposit

Geological data of the QR deposit has not been published; however, a brief description of the property prior to the discovery of the gold deposit was made by Richardson (1978). According to Richardson:

> "Dark grey alkali basalts and layers of unstratified basaltic autobreccia form outcrops on the west part of the property. Poorly bedded volcanic wackes, sedimentary grits, and stock comprising augite diorite, biotite monzodiorite and minor coarse grained syenite outcrop on steep slopes of the Quesnel River valley. The stock is exposed along the valley side for some 1100 metres. The east and north part of the stock is highly fractured and altered to K-feldspar veinlets and irregular patches of epidote. Pyrite is abundant and forms disseminated grains and thin films on fractures. Magnetite forms disseminated aggregates and small stockwork zones associated with K-feldspar and epidote."

Gold mineralization, according to Saleken and Simpson (1984) after Fox (1983), is associated with a pyrite-epidote alteration zone flanking the zoned stock.

Cariboo Bell

The Cariboo Bell deposits have been described by Hodgson et al (1976) and by Simpson and Saleken (1983). The deposits occur in an alkalic syenite complex which intrudes the upper part of thick sequence

of Upper Triassic trachybasalts and volcaniclastic strata. Volcanic conglomerate and sandstone form a thick unit at the base of the sequence. Volcanic flows in the sequence are of two types: (1) porphyritic augite trachybasalts with pillow basalt and aquagene tuff; and (2) andesite trachybasalt. Crystal and lapilli tuff and polymictic volcanic breccias occur locally. This volcanic assemblage is intruded by a coeval subvolcanic laccolith consisting of six phases. These phases include syenodiorite, monzonite, porphyry, intrusion breccia, pyroxenite-gabbro, and pseudoleucite syenite lenses. Magnetite, chalcopyrite and pyrite occur as disseminations, fracture fillings and cavity fillings in the intrusion breccias near the top of the laccolith. Potash feldspar-biotite-diopside alteration surrounded by garnet-epidote alteration zones occur within the breccia zones.

Frasergold Prospect

The Frasergold deposit, as described by Belik (1983), appears to be a stratabound gold deposit. Gold mineralization occurs within an iron-carbonate-rich member of a phyllite sequence of Upper Triassic age. Gold occurs both within the phyllite and in quartz-carbonate "sweats".

PREVIOUS WORK

An airborne geophysical survey comprised of multifrequency EM, VLF-EM and magnetometer was conducted over the QUES 1 claims in 1984 by R. Sheldrake of Apex Airborne Surveys Ltd. The survey was part of a larger survey of the general Maud Lake area. Measurements were also collected over the Cariboo-Bell and QR deposits for comparison purposes. Interpretation of these results are given in a report by R. Sheldrake (Appendix I). Soil geochemical surveys accompanied by ground geophysical surveys were conducted in 1984 (Allen and MacQuarrie, 1984). A coincident multielement geochemical and magnetometer high was located in the north central section of the claim. The anomalies have a northwesterly trend. Highly anomalous gold concentrations lie peripheral to the magnetic high.

1985 FIELDWORK

M. A. Mitchel & Associates conducted follow-up soil geochemical and magnetometer surveys from July 11 - 18, 1985. A total of 95 soil samples and magnetometer readings were collected at 50 metre spacings over anomalous sections of existing lines and on fill-in lines. Soil samples were analyzed for gold, silver, copper lead and zinc by Bondar-Clegg & Company Ltd. of North Vancouver, B.C.

1986 FIELDWORK

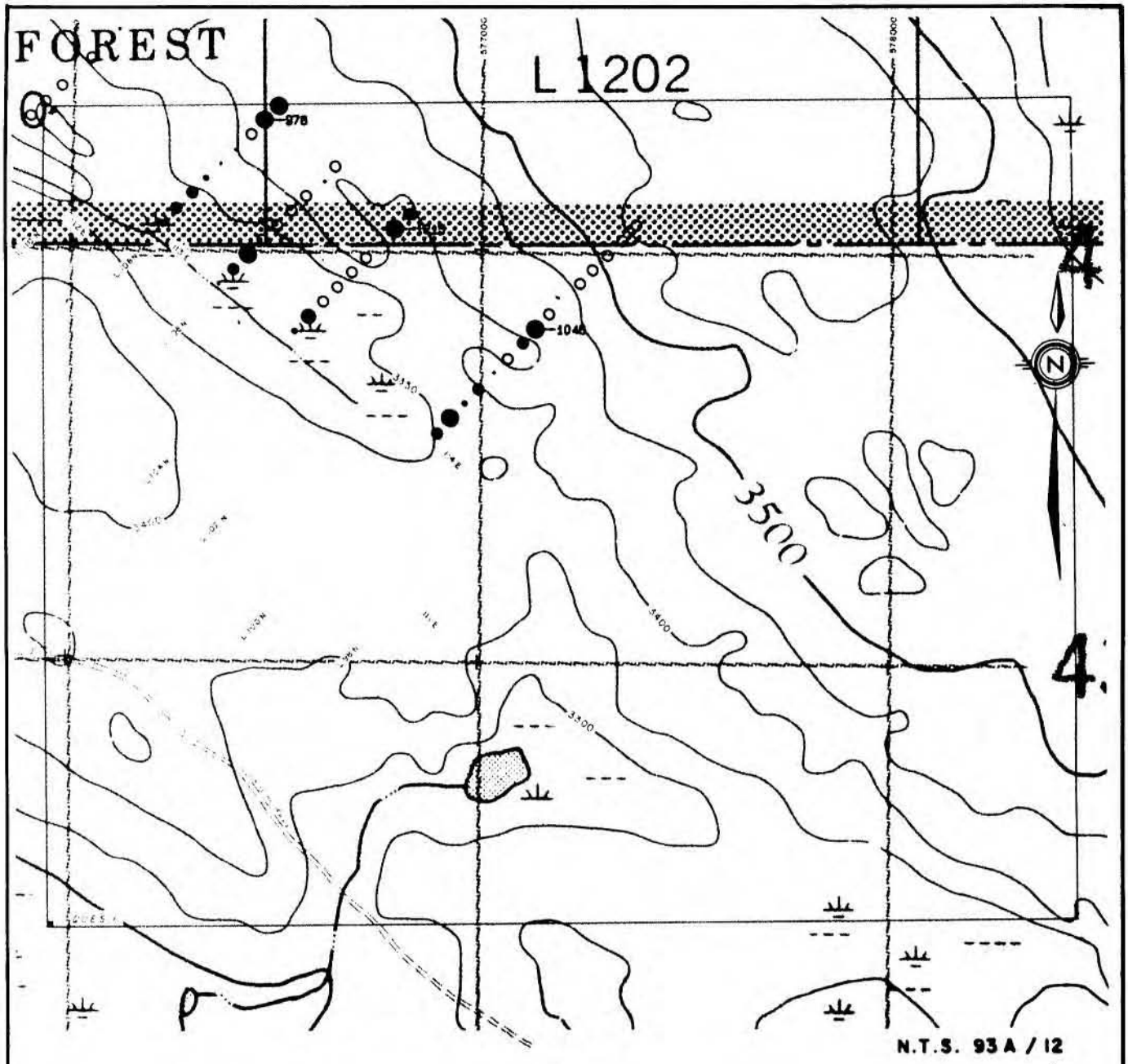
A total of 11.7 kilometres of grid lines were established over the area of peak interest. VLF-electromagnetic, magnetometer and IP measurements were collected every 50 metres. A dipole-dipole induced polarization array was utilized with an 'a' spacing of 50 metres and 100 metres for each line. Soil samples were collected through the heart of the anomaly. One rock chip and 49 soil samples were taken (Figure 5). Samples were sent to Rossbacher Laboratory Ltd. for gold analysis and Acme Analytical Laboratory for 30 element ICP analysis.

ANALYTICAL RESULTS

Analytical results for gold from 1985 sampling confirmed the existence of a small (50 metre by 100 metre), moderately enhanced (up to 380 parts per billion) gold anomaly centred on line 15E at 13 + 00N (Figure 5q). Scattered single sample anomalies are found elsewhere on the grid.

Analytical results for gold (Figure 5e) are generally low. Of 49 samples collected in 1986, one responded with an anomalous concentration of 70 ppb (parts per billion).

Two anomaly distribution patterns are evident upon examination of the other element plots. These are termed the zinc anomaly pattern and the copper anomaly pattern after the elements which best exemplify these patterns.



LEGEND

Manganese

Soil	Silt	Rock
950	950	950
800	800	800
650	650	650
550	550	550
500	500	500
400	400	400
0 ppm	0 ppm	0 ppm

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QUES 1 CLAIM

GEOCHEMICAL MAP

MANGANESE

SCALE 450 0 450 METRES
1500 0 1500 FEET

1 : 15,000

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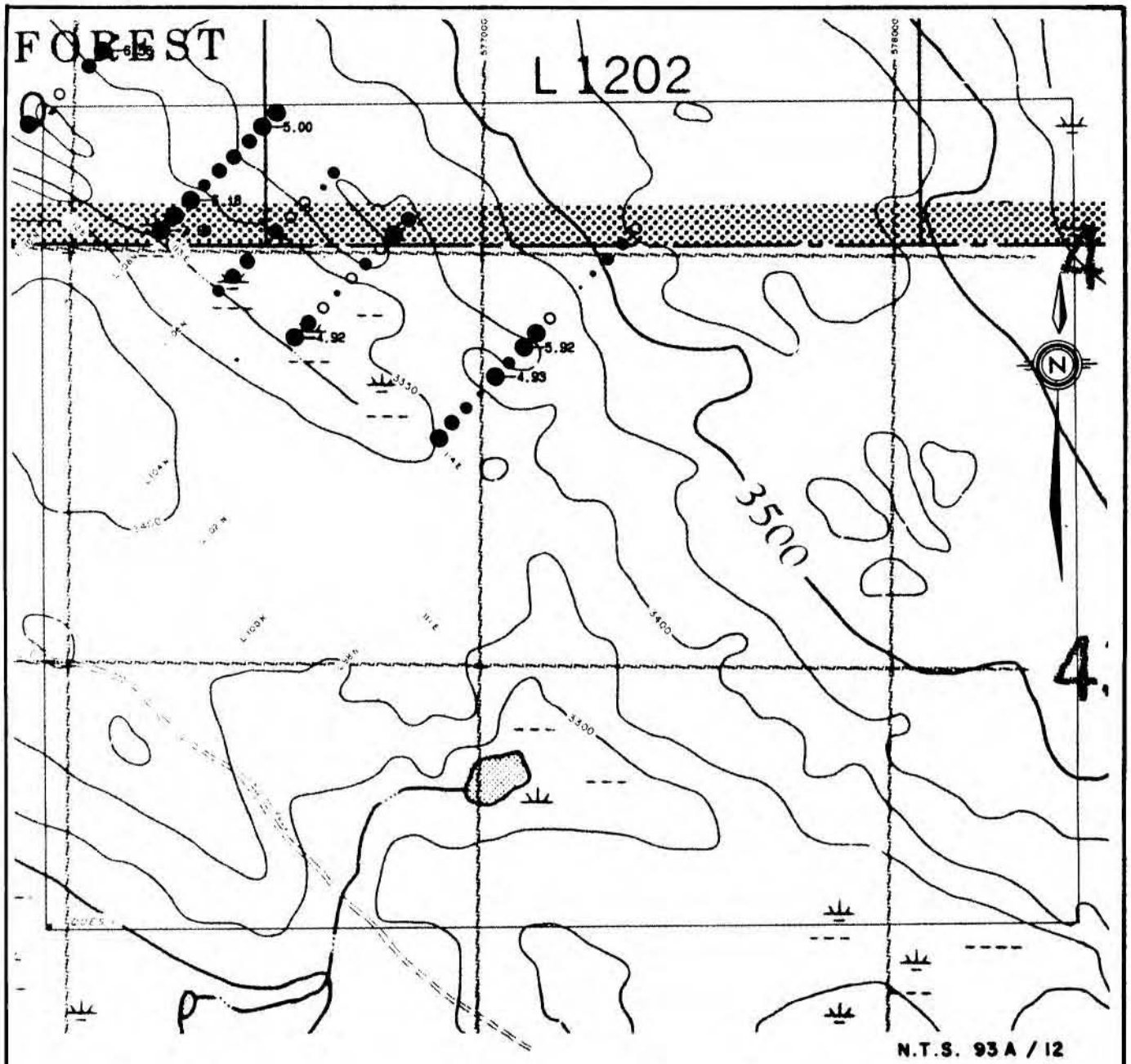
FIGURE 5f



N.T.S. 93 A / 12

LEGEND

IRON

Soil	Silt	Rock
4.90	4.90	
4.50	4.50	
4.15	4.15	
3.80	3.80	
3.60	3.60	
3.35	3.35	
0 %	0 %	

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QUES I CLAIM

GEOCHEMICAL MAP

IRON

SCALE 450 0 450 METRES / 1500 0 1500 FEET

1:15,000

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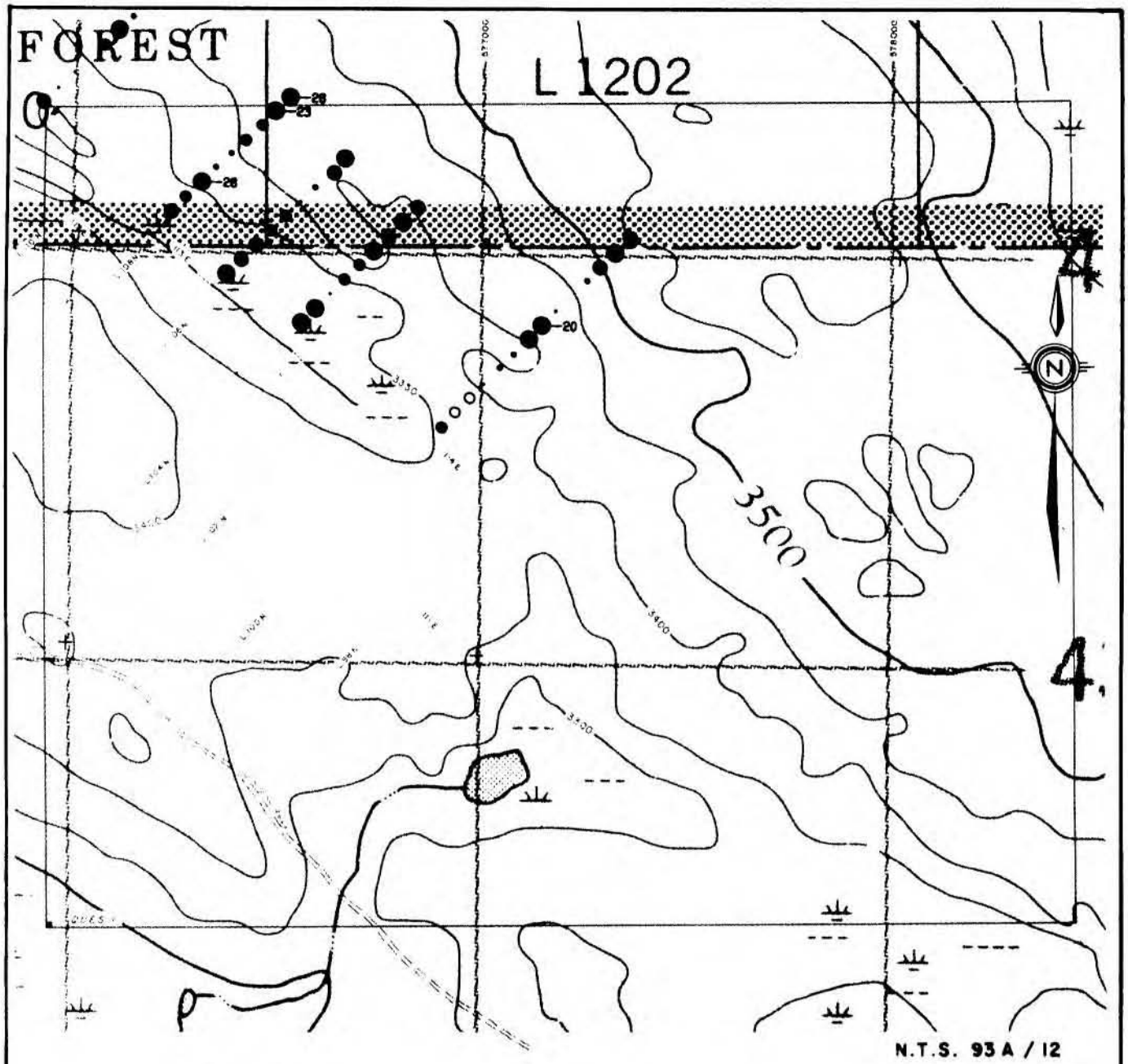
FIGURE 5g



LEGEND

Arsenic

Soil	Silt	Rock
20	20	20
15	15	15
12	12	12
10	10	10
8	8	8
6	6	6
0 ppm	0 ppm	0 ppm

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QUES I CLAIM

GEOCHEMICAL MAP

ARSENIC

SCALE 450 0 450 METRES
1500 0 1500 FEET

1 : 15,000

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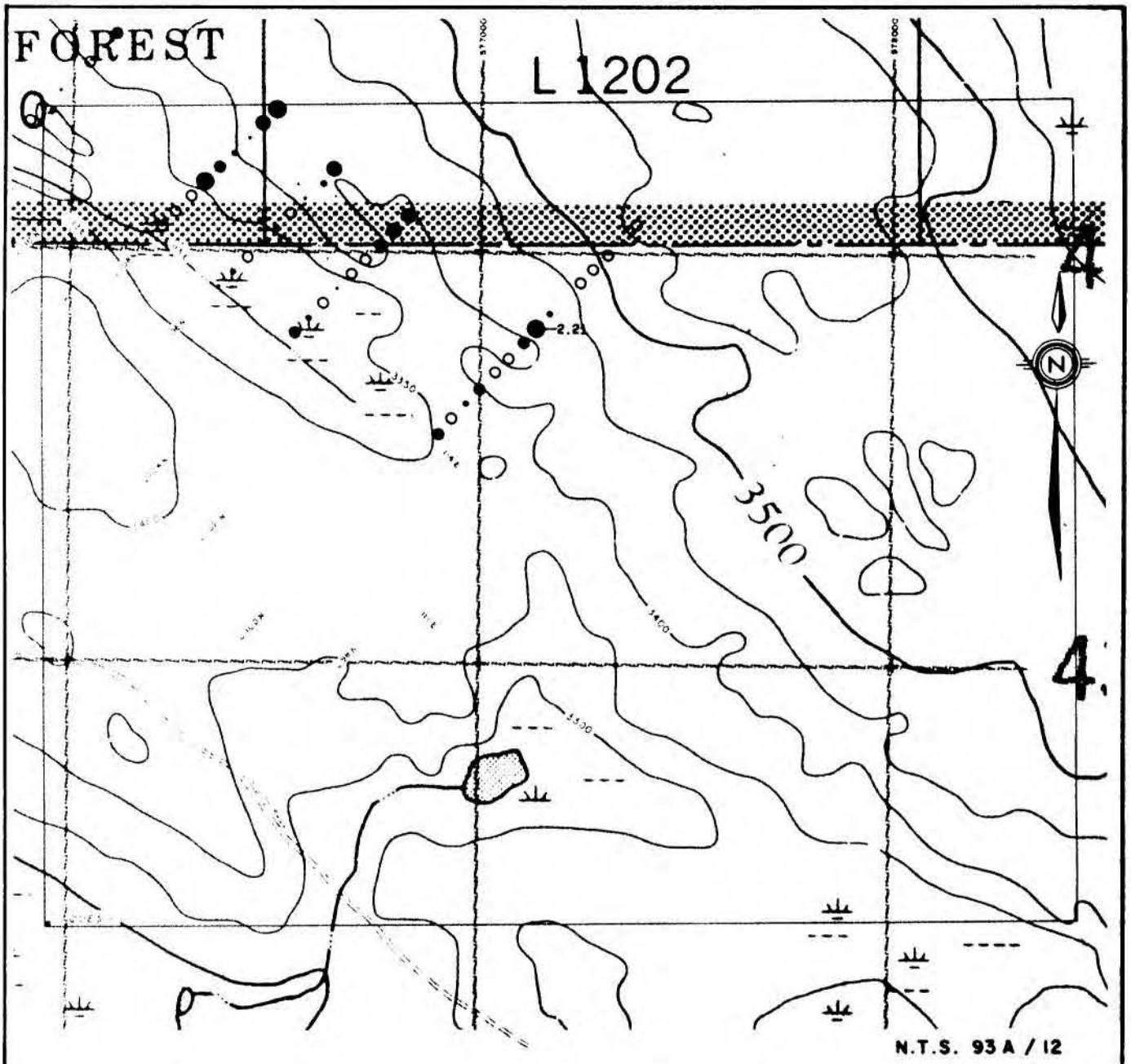
FIGURE 5h



LEGEND

Calcium

Soil	Silt	Rock
0.80	0.80	0.80
0.65	0.65	0.65
0.55	0.55	0.55
0.45	0.45	0.45
0.35	0.35	0.35
0.25	0.25	0.25
0 %		0 %

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QUES I CLAIM

GEOCHEMICAL MAP

CALCIUM

SCALE 450 0 450 METRES FEET

1500 0 1500

1:15,000

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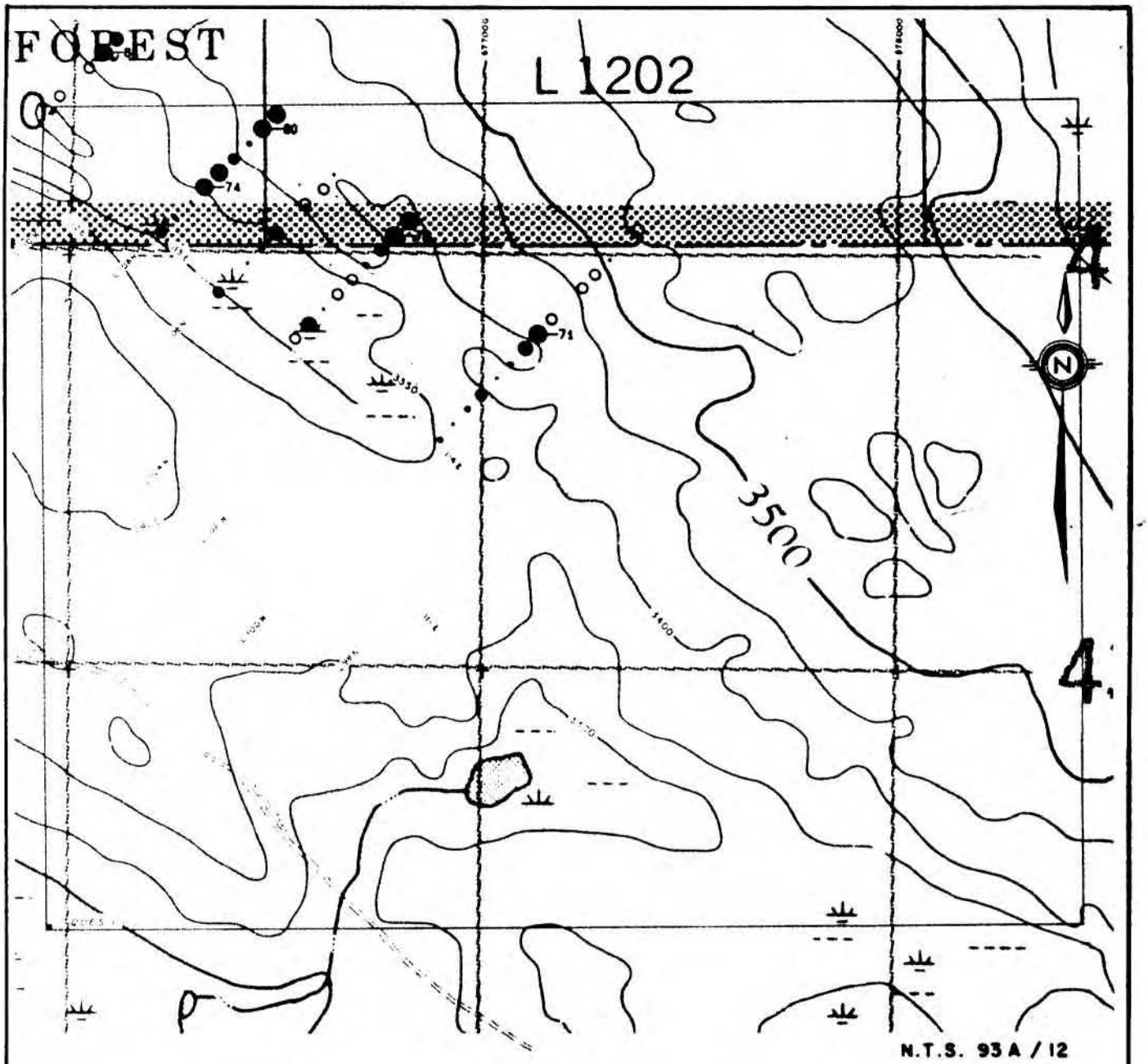
FIGURE 5i



LEGEND

Chromium

Soil	Silt	Rock
70	70	70
65	65	65
60	60	60
55	55	55
50	50	50
45	45	45
0 ppm	0 ppm	0 ppm

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QUES 1 CLAIM

GEOCHEMICAL MAP

CHROMIUM

SCALE 450 0 450 METRES / FEET

1500 0 1500

1:15,000

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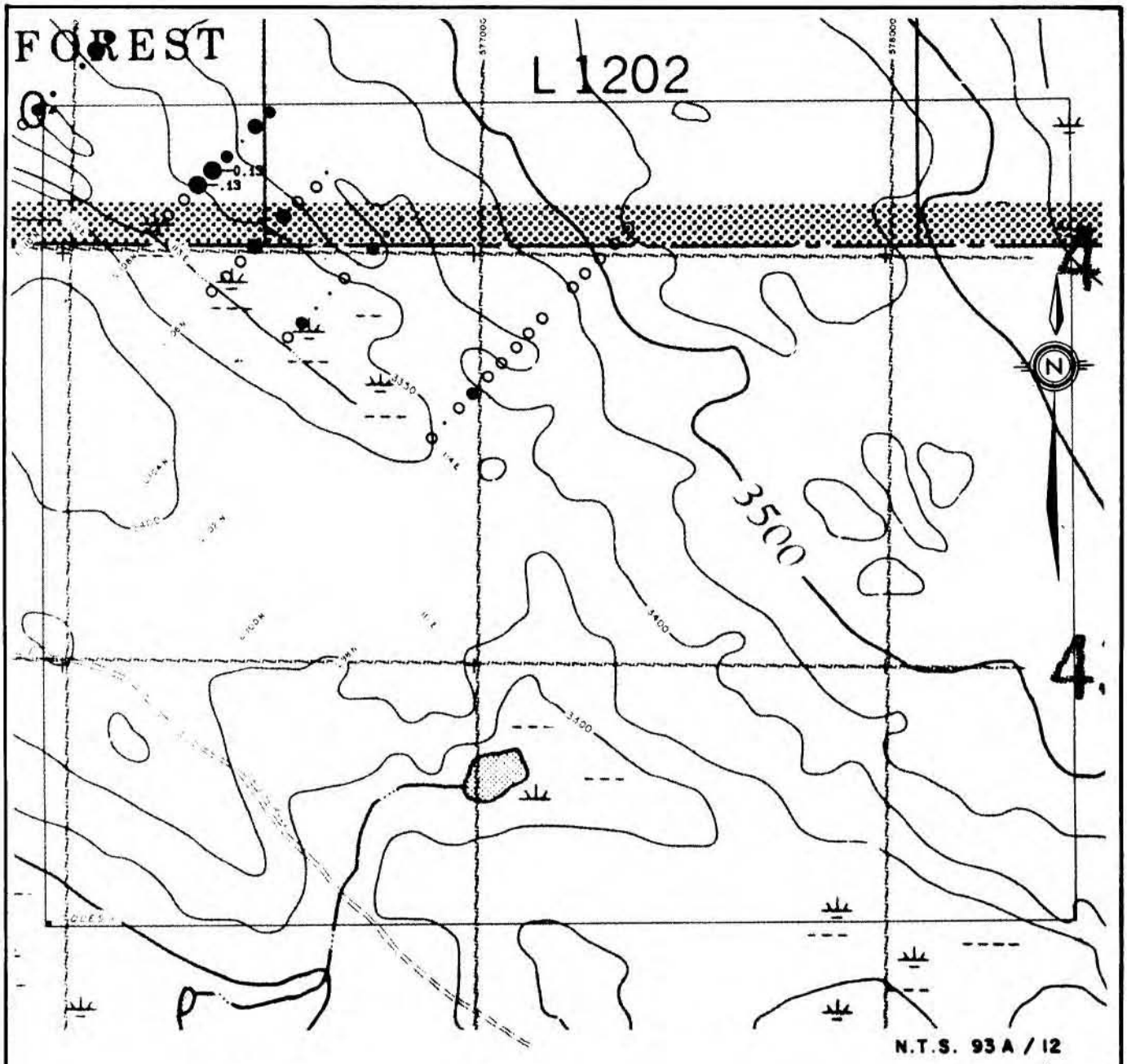
FIGURE 5j



LEGEND

Titanium

Soil	Silt	Rock
0.13	0.13	
0.11	0.11	
0.10	0.10	
0.09	0.09	
0.08	0.08	
0.07	0.07	
0 %	0 %	

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QUES 1 CLAIM

GEOCHEMICAL MAP

TITANIUM

SCALE 450 0 450 METRES
1800 0 1800 FEET

1:15,000

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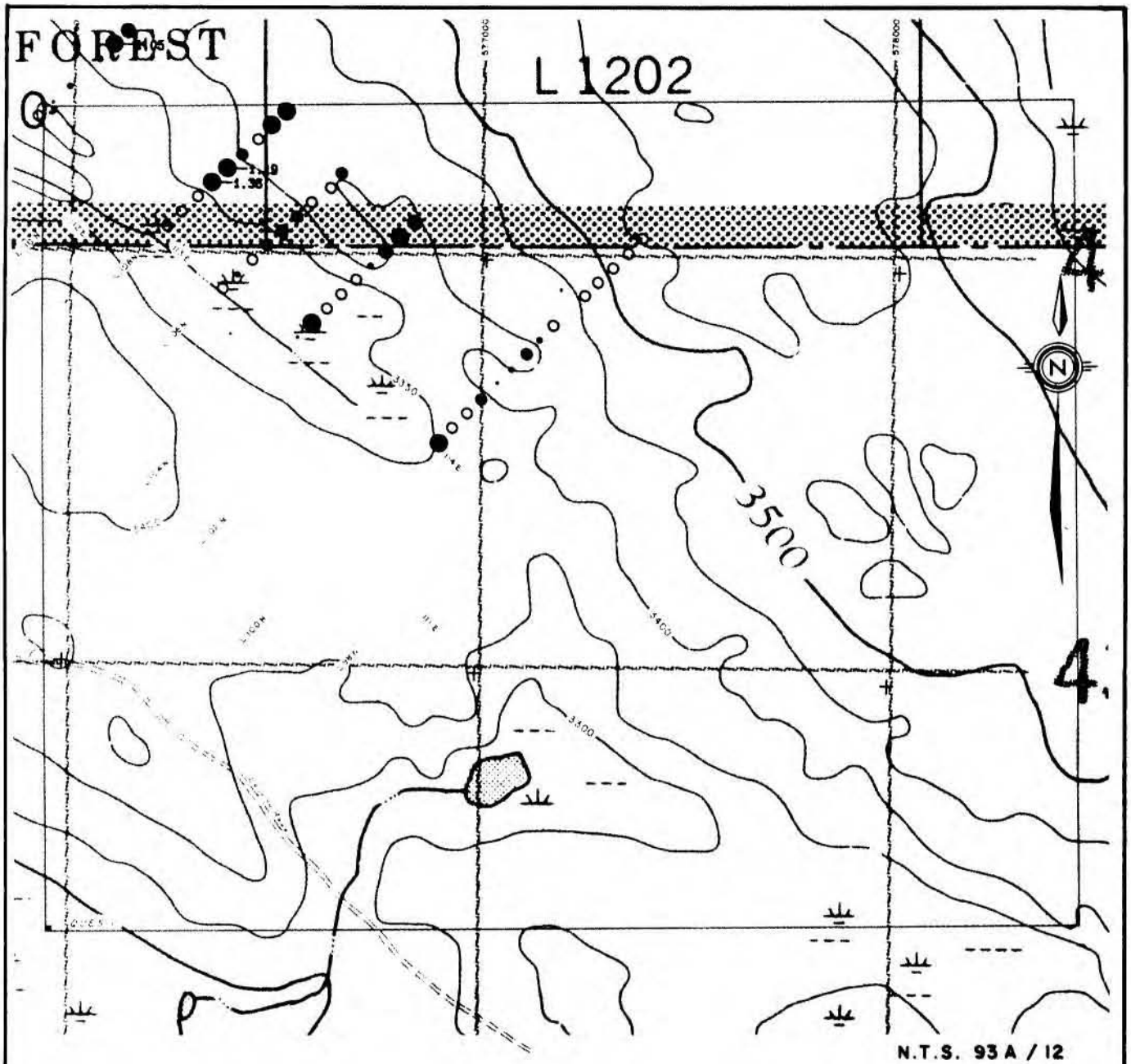
FIGURE 5k



LEGEND

Magnesium

Soil	Silt	Rock
1.05	1.05	1.05
0.95	0.95	0.95
0.85	0.85	0.85
0.75	0.75	0.75
0.65	0.65	0.65
0.60	0.60	0.60
0 %	0 %	0 %

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QUES I CLAIM

GEOCHEMICAL MAP

MAGNESIUM

SCALE 450 0 450 METRES / FEET
1500 0 1500
1 : 15,000

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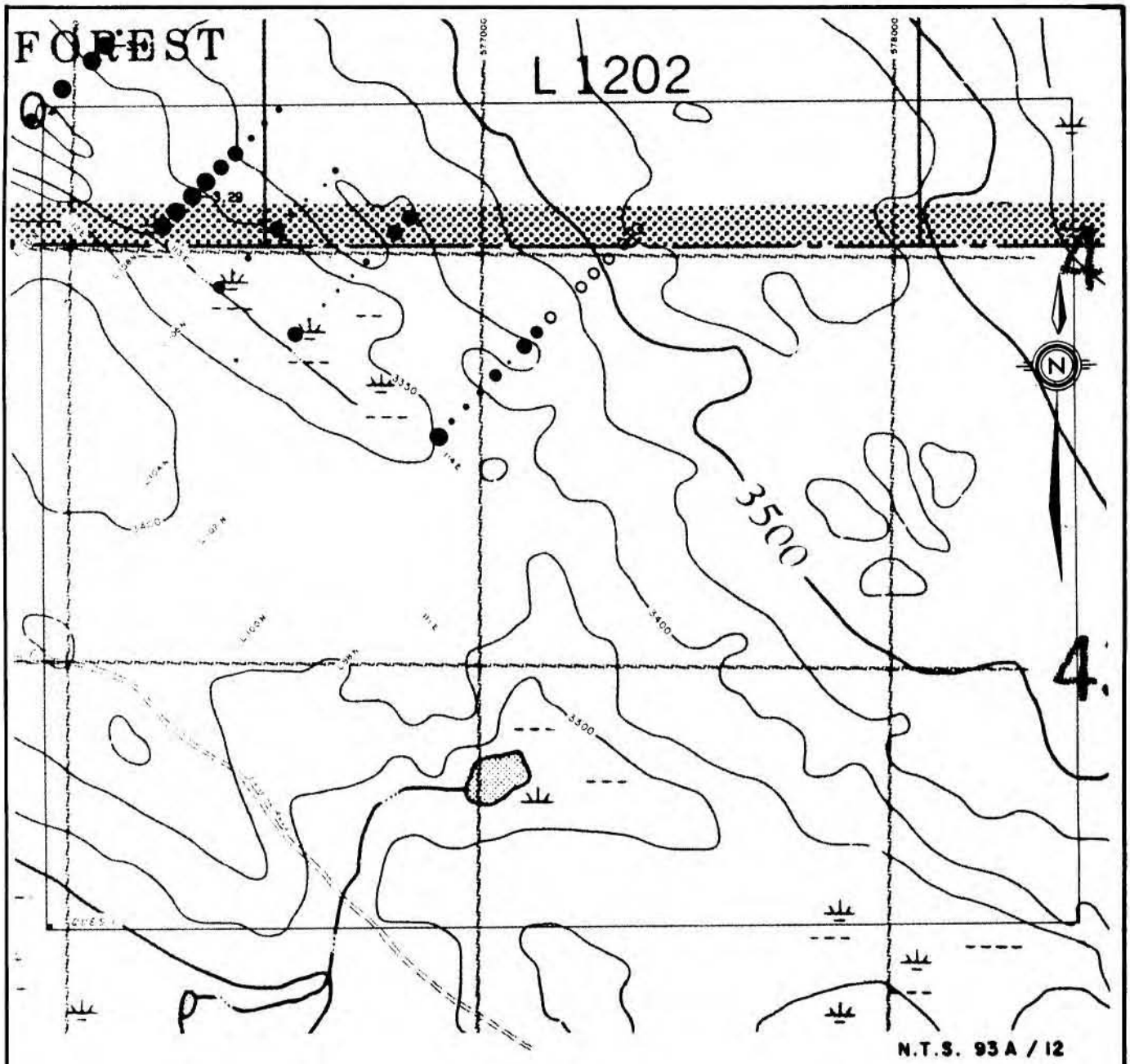
FIGURE 51



LEGEND

Aluminium

Soil	Silt	Rock
2.50	2.50	2.50
2.30	2.30	2.30
2.10	2.10	2.10
1.95	1.95	1.95
1.80	1.80	1.80
1.55	1.55	1.55
0 %	0 %	

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QUES I CLAIM

GEOCHEMICAL MAP

ALUMINIUM

SCALE 1500 0 1500 METRES / 1500 0 1500 FEET

1:15,000

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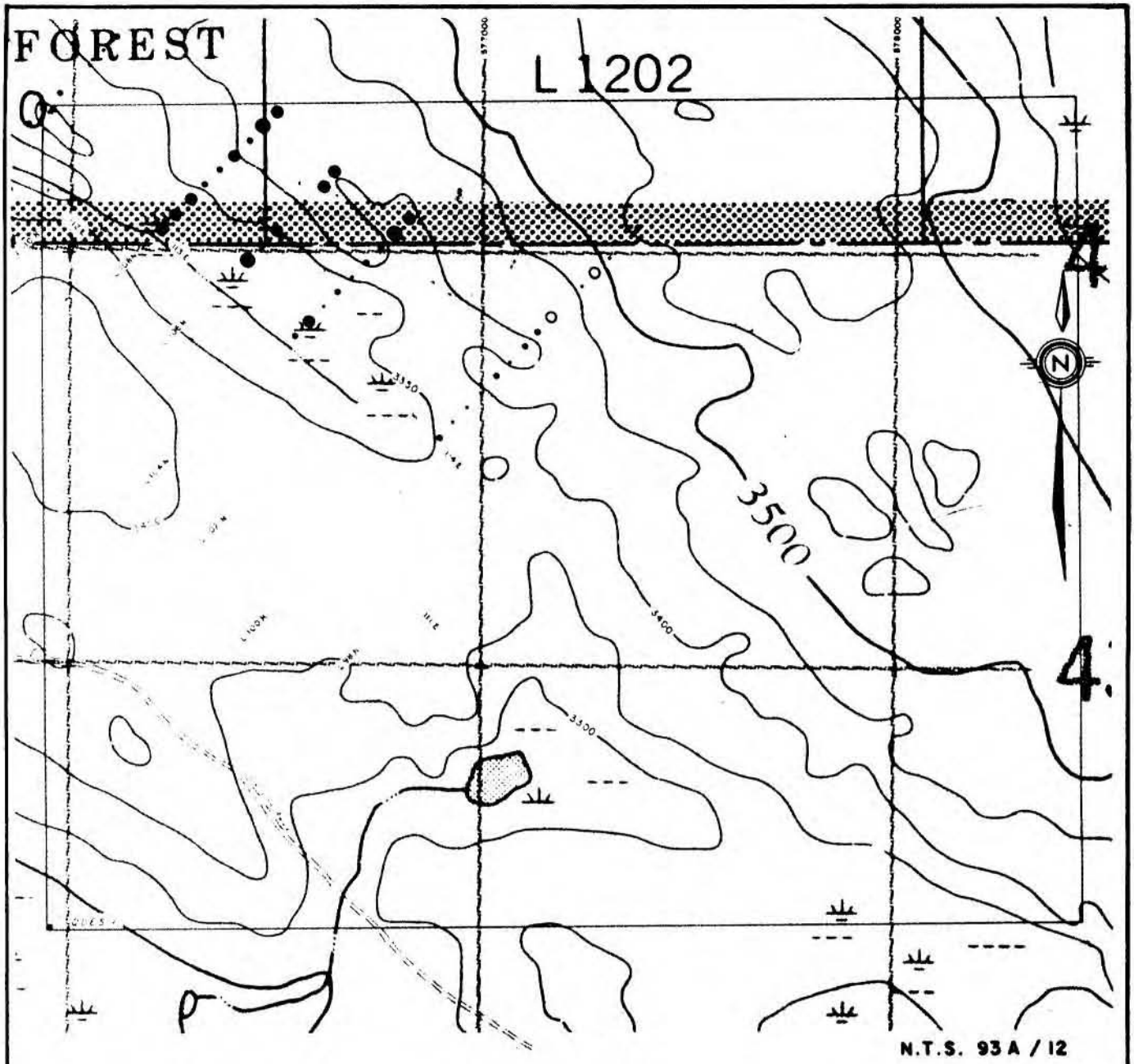
July, 1986

FIGURE 5m



LEGEND

Potassium

Soil	Silt	Rock
0.14	0.14	0.14
0.12	0.12	0.12
0.10	0.10	0.10
0.08	0.08	0.08
0.06	0.06	0.06
0.04	0.04	0.04
0 %	0 %	0 %

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QUES I CLAIM

GEOCHEMICAL MAP

POTASSIUM

SCALE 450 0 450 METRES FEET
1500 0 1500
1 : 15,000

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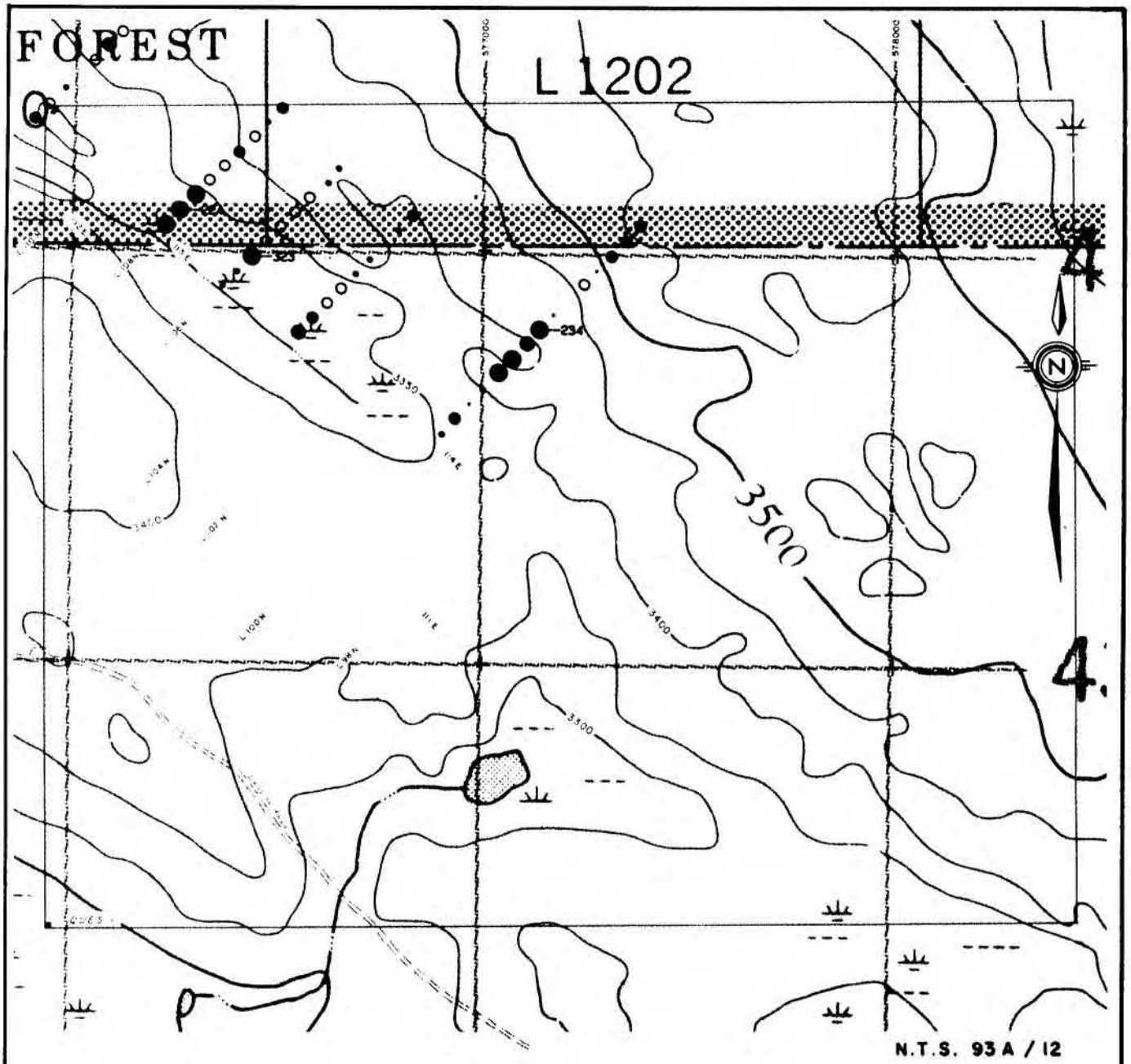
FIGURE 5n



LEGEND

Barium

Soil	Silt	Rock
200	200	200
165	165	165
145	145	145
125	125	125
115	115	115
105	105	105
0 ppm		0 ppm

BUENA EXPLORATION LTD.

QUES I CLAIM

GEOCHEMICAL MAP

BARIUM

SCALE 450 0 450 METRES
1500 0 1500 FEET

1 : 15,000

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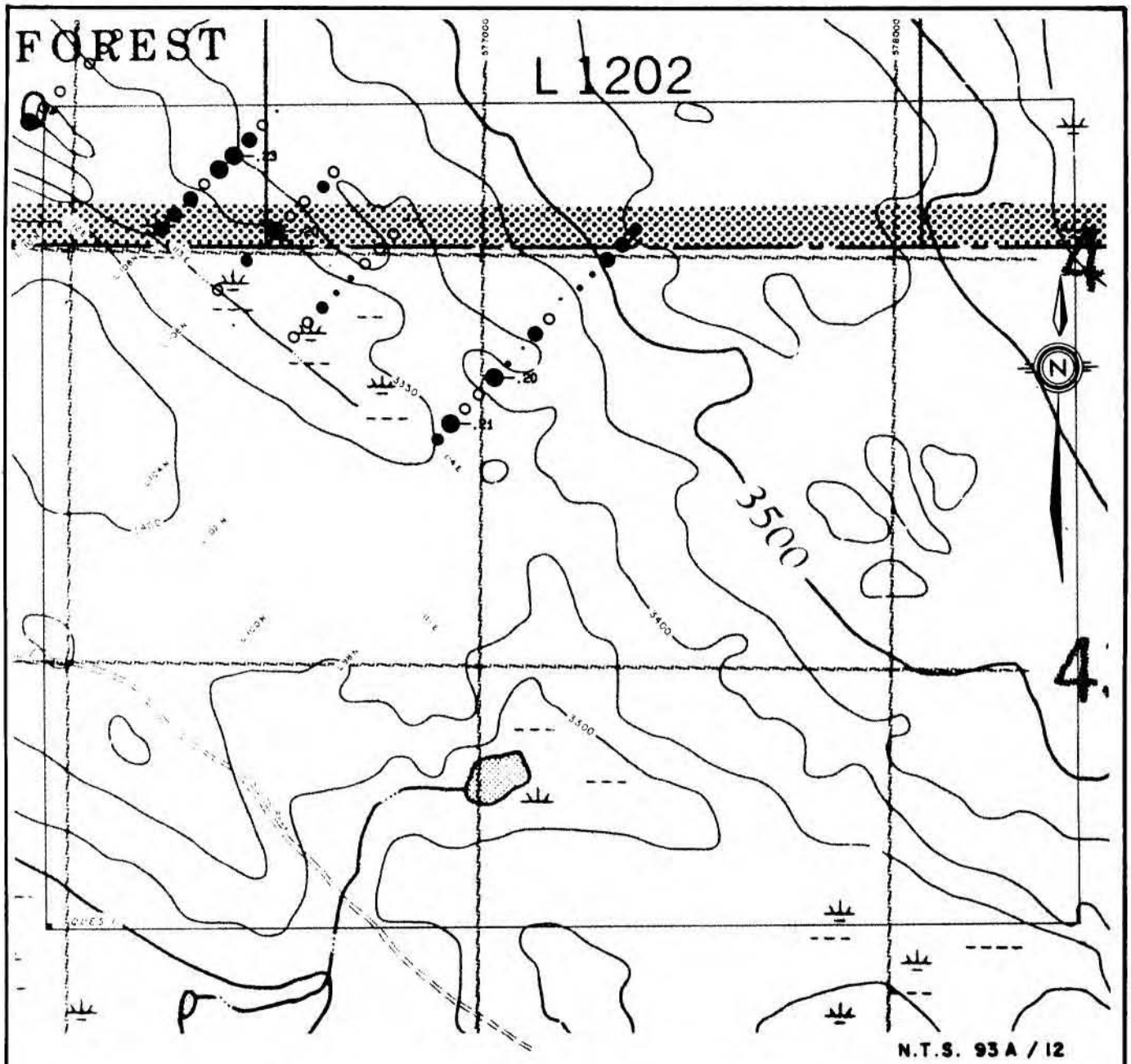
July, 1986

FIGURE 5o



LEGEND

Phosphorus

Soil	Silt	Rock
0.20	0.20	
0.16	0.16	
0.12	0.12	
0.09	0.09	
0.07	0.07	
0.06	0.06	
0 %	0 %	

BUENA EXPLORATION LTD.

QUES 1 CLAIM

GEOCHEMICAL MAP

PHOSPHORUS

SCALE 450 0 450 METRES
1500 0 1500 FEET

1:15,000

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FIGURE 5p

The zinc anomaly pattern is exhibited by aluminum (Figure 5m), barium (Figure 5o), phosphorus (Figure 5p) and zinc (Figure 5c). Anomalies cluster along a northwest trending zone passing along the southern edge of a magnetic high centered at L104N, 116+00E. Elements associated could be related to clay alteration (Al) having barite (Ba) and apatite (P) bearing veins accompanied by sphalerite (Zn).

The copper anomaly pattern is shared by calcium (Figure i), chromium (Figure 5j), copper (Figure 5a), magnesium (Figure 5k), manganese (Figure 5f), potassium (Figure 5n), silver (Figure 5d), and titanium (Figure 5k). Anomalous concentrations tend to lie along the north edge of the magnetic high. The suite of elements indicates a response to bedrock type. Arsenic (Figure 5h), and iron (Figure 5e) have anomaly distributions combining both the zinc and copper patterns.

GEOPHYSICAL RESULTS

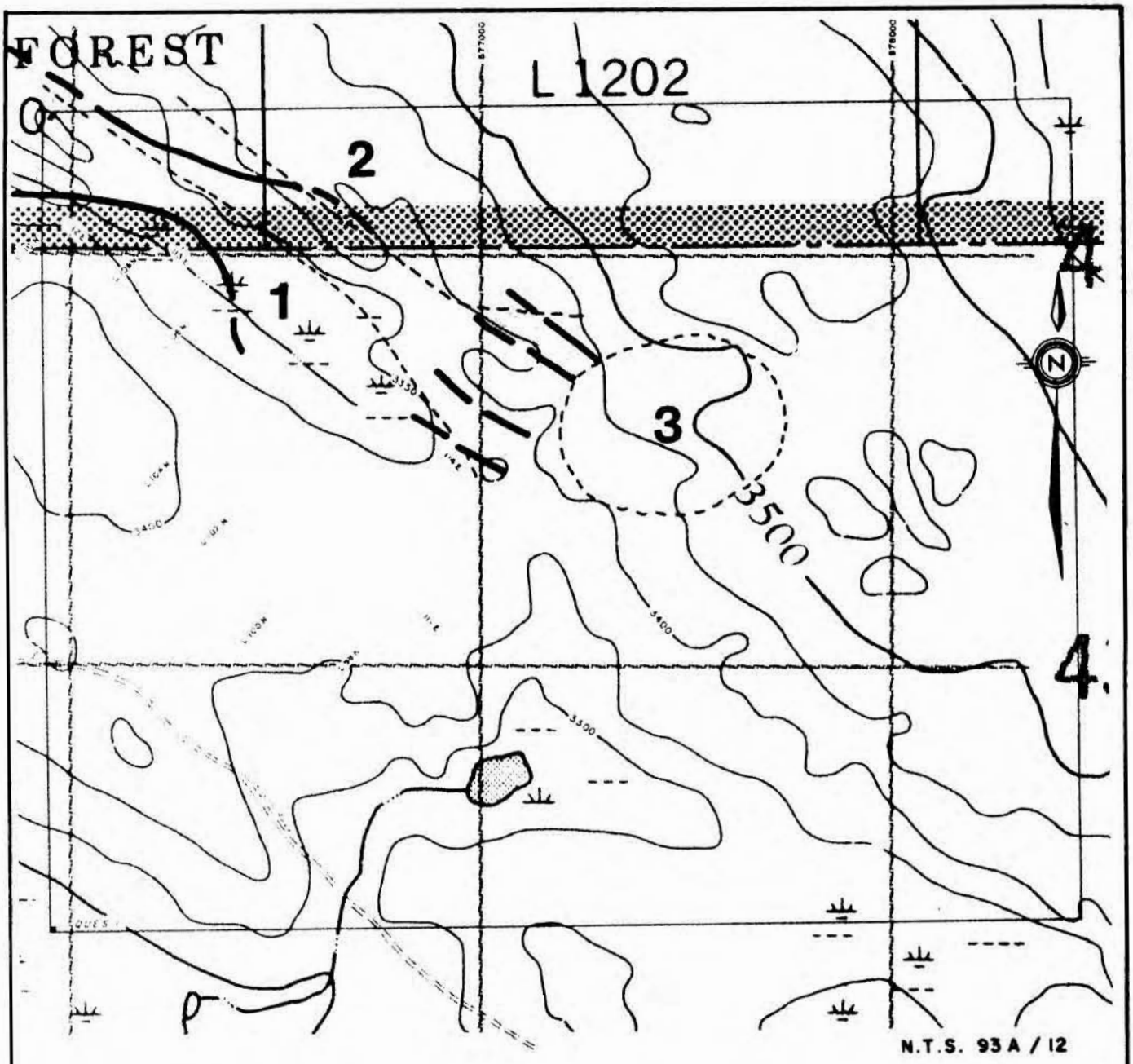
Magnetometer Survey

A total of 8 kilometres of magnetic surveying was carried out in 1985 (Figure 6) and 6.1 kilometres in 1986 (Figure 6a). A Scintrex MP-2 proton magnetometer was used for the surveys. Purpose of the surveys were to confirm magnetic anomalies obtained in the 1984 airborne magnetic survey, to aid in detecting magnetite-rich alkalic plutons such as at the QR gold, deposit and to assist in geological interpretation. Data was corrected for diurnal variation. Results from the magnetometer survey are uniformly flat. Magnetic field levels range from 57,450 gammas in the southwest grid corner to 57,850 gammas in the northeast corner. The magnetite anomaly obtained in the 1984 airborne survey was not confirmed. The flat response suggests that the claim area in general is underlain by magnetite-poor sedimentary rocks.

VLF-Electromagnetic Survey

A total of 8.6 kilometres of VLF-electromagnetic surveys were conducted on the QUES 1 claim.

The VLF-EM method utilizes an electromagnetic field transmitted from radio stations in the 12 to 24 kilohertz range (long range



LEGEND

1 — Geochemical anomaly.

VLF-EM anomaly.

1a — Magnetic high.

IP anomaly.

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QUES I CLAIM

COMPILATION MAP

SCALE 450 0 450 METRES / 1500 0 1500 FEET

1 : 15,000

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FIGURE 7

submarine communication signals). The signals are propagated with the magnetic component of the field being horizontal in undisturbed areas.

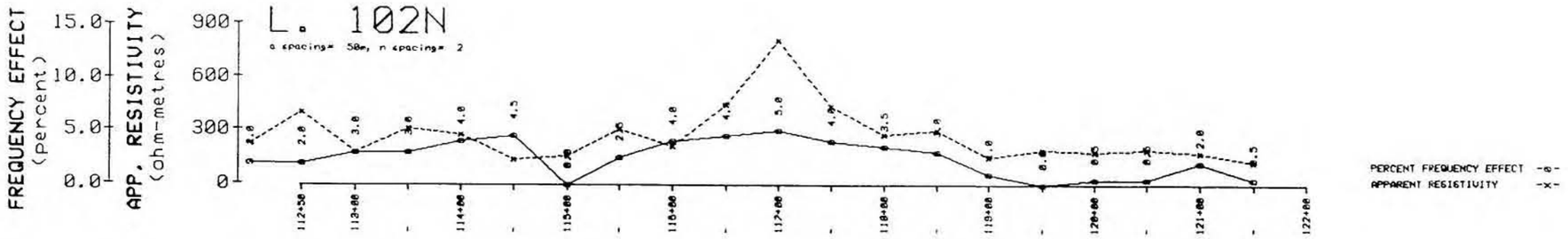
Conductivity contrasts (such as the presence of massive sulphides or fault structures) in the earth's crust, produce a vertical component to the magnetic field and changes in field strength or amplitude. These conductive areas may be located, and to a degree, evaluated by measuring the various parameters of this electromagnetic field. A Sabre Model 27 VLF-electromagnetic receiver, tuned to Seattle, Washington was used for all observations. This instrument is manufactured by Sabre Electronic Instruments. It measures the dip angle of the resultant field (in degrees) and the normalized horizontal component of the field strength (in relative percent).

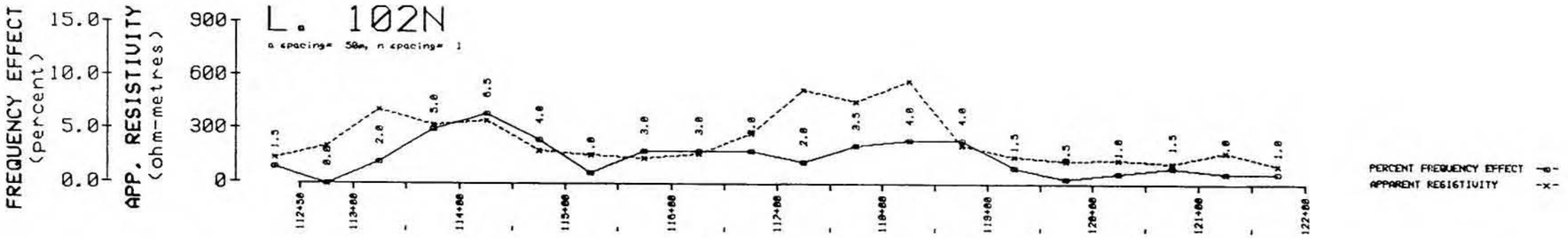
Data is filtered by a technique described by Fraser (1969 - Geophysics, Vol. 34, No. 6, pp. 958-967) and data presented in profile form on Figure 6b. Conductive zones are interpreted to underlie the point on a traverse line where changes in dip angle of the resultant field (from negative to positive - operator facing transmitter station) are associated with increased field strength. Fraser filtered values, which are derived from dip angle measurements, show high positive values at this point. Interpreted conductive zones are plotted on Figures 6b and 7.

The electromagnetic survey results in general are noisy. This is in part due to poor conductive coupling as a result of the angle between the VLF transmitting stations used for the survey (Annapolis for L98N, L100N and L112N, Seattle for lines 102N to 110N) and the strike of regional structure (135°). A vague, continuous anomaly is observed from line 100N to 112N at 117E to 114E which is believed to be related to a bedrock contact between units of contrasting conductivity. A single good conductor is observed in the northeast corner, change in dip angle is 16° peak to peak and field strength increases by 9%.

Induced Polarization Surveys

A total of 8.45 kilometres of induced polarization surveying was conducted on the QUES 1 claim. A portable 500 watt frequency domain induced polarization system manufactured by Sabre Electronic Instruments





LINE 102N

a spacing= 50m, n spacing= 2

STN#	Up(av)	I(ma)	PFE%	RES.
112+50	14.5	240.0	2.0	227
113+00	16.0	150.0	2.0	402
"	12.2	250.0	3.0	183
114+00	5.9	70.0	3.0	317
"	4.4	60.0	4.0	276
115+00	2.5	60.0	4.5	138
"	5.3	125.0	8.0	159
116+00	7.1	80.0	2.5	311
"	3.1	55.0	4.0	212
117+00	11.0	100.0	4.5	444
"	21.6	100.0	5.0	814
118+00	22.2	100.0	4.0	448
"	7.4	100.0	2.5	278
119+00	7.3	80.0	3.0	385
"	8.2	225.0	1.0	154
120+00	5.2	100.0	0.0	186
"	7.3	150.0	0.5	183
121+00	6.3	120.0	0.5	187
"	7.0	150.0	2.0	175
122+00	6.0	200.0	0.5	128

LINE 102N

a spacing= 50m, n spacing= 1

STN#	Up(av)	I(ma)	PFE%	RES.
112+50	36.4	240.0	1.5	142
113+00	32.6	150.0	0.0	204
"	111.0	250.0	2.0	418
114+00	24.2	70.0	5.0	825
"	22.3	60.0	6.5	358
115+00	13.4	60.0	4.0	185
"	20.7	125.0	1.0	156
116+00	12.0	80.0	3.0	148
"	8.7	55.0	3.0	166
117+00	28.4	100.0	3.0	277
"	56.4	100.0	2.0	531
118+00	83.3	100.0	3.5	462
"	61.5	100.0	4.0	578
119+00	26.2	80.0	4.0	211
"	37.1	225.0	1.5	155
120+00	13.6	100.0	0.5	128
"	21.0	150.0	1.0	126
121+00	15.0	120.0	1.5	117
"	27.0	150.0	1.0	174
122+00	22.3	200.0	1.0	103

Scale = 1: 5000

Donald G Elder

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QUES I CLAIM

— IP DETAIL —

LINE 102N

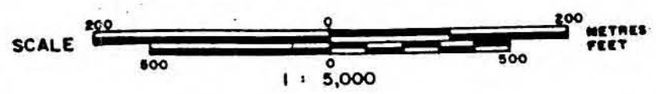

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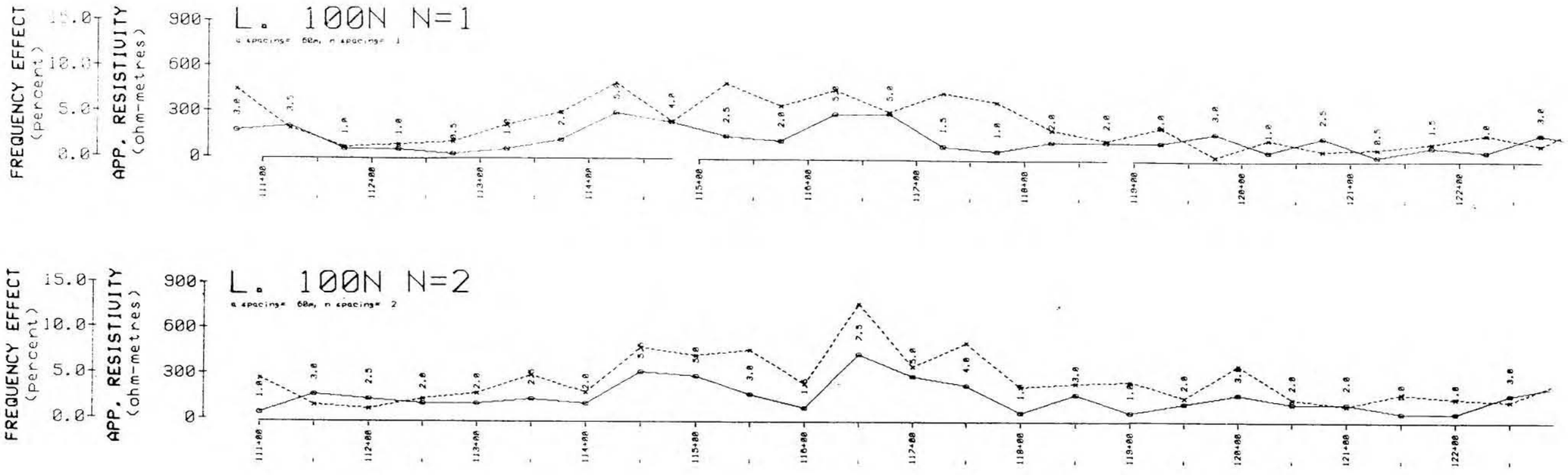
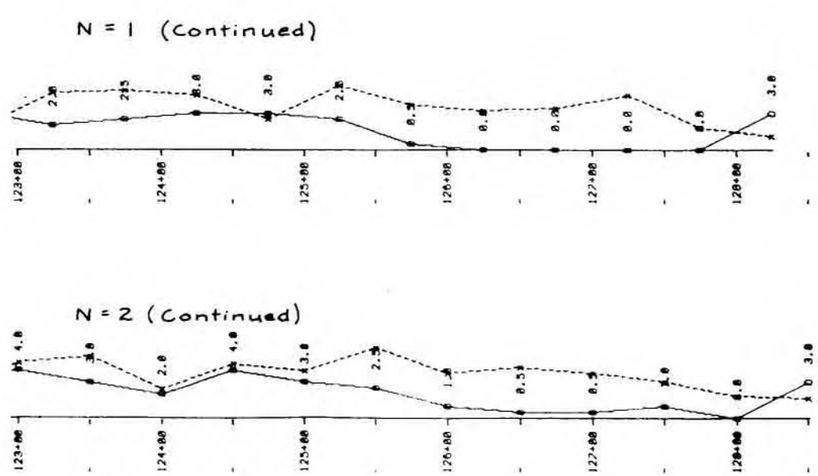
FIGURE 6e





PERCENT FREQUENCY EFFECT -e-
APPARENT RESISTIVITY -x-

PERCENT FREQUENCY EFFECT -e-
APPARENT RESISTIVITY -x-

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QUES I CLAIM

— IP DETAIL —
LINE 100N

SCALE 200 0 200 METRES
500 0 500 FEET
1 : 5,000

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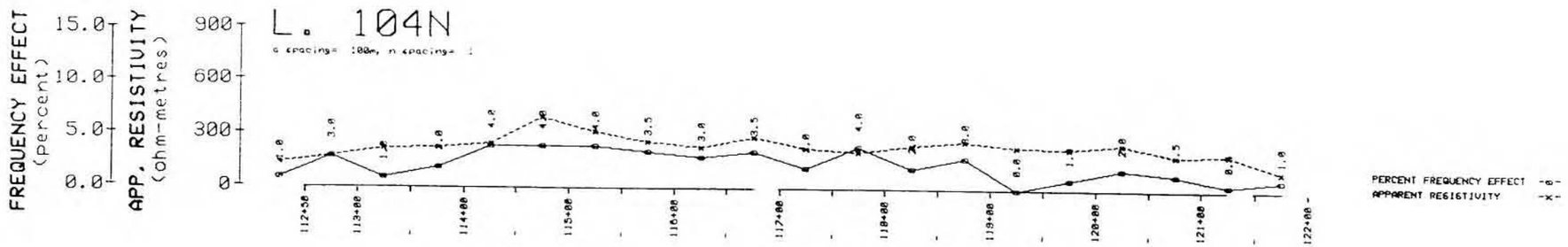
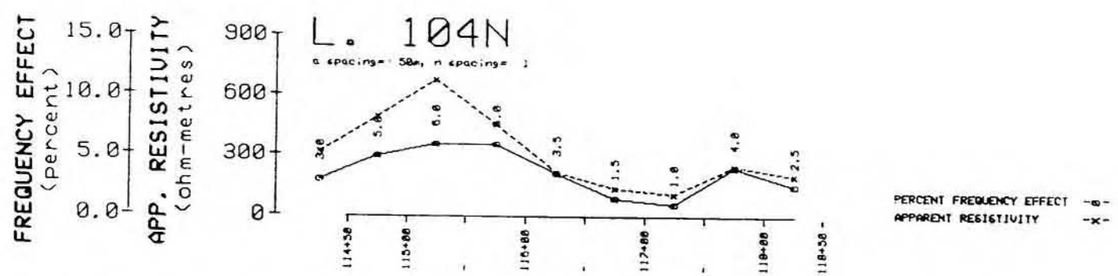
FIGURE 6d





LINE 104N

a spacing= 100m, n spacing= 1

STN#	Up(mv)	I(ma)	PFE%	RES.
112+50	24.3	310.0	1.0	147
113+00	19.5	200.0	3.0	183
"	35.6	300.0	1.0	223
114+00	26.9	220.0	2.0	238
"	28.3	150.0	4.0	255
115+00	37.1	175.0	4.0	388
"	28.5	120.0	4.0	322
116+00	21.1	150.0	3.5	265
"	22.0	175.0	3.0	226
117+00	24.8	160.0	3.5	282
"	15.4	125.0	2.0	232
118+00	14.0	125.0	4.0	211
"	19.6	150.0	2.0	246
119+00	21.9	150.0	3.0	275
"	45.2	350.0	0.0	243
120+00	15.9	125.0	1.0	239
"	17.2	125.0	2.0	258
121+00	21.2	200.0	1.5	189
"	24.8	225.0	0.5	207
122+00	13.4	225.0	1.0	112

LINE 104N

a spacing= 50m, n spacing= 1

STN#	Up(mv)	I(ma)	PFE%	RES.
114+50	31.4	92.0	3.0	321
115+00	53.4	180.0	5.0	583
"	66.2	92.0	6.0	678
116+00	36.6	74.0	6.0	466
"	18.7	88.0	3.5	228
117+00	24.3	160.0	1.5	143
"	23.6	200.0	1.0	111
118+00	31.6	120.0	4.0	248
118+50	18.9	94.0	2.5	199

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— IP DETAIL —

LINE 104N

SCALE 200 0 200 METRES
500 0 500 FEET
1 : 5,000

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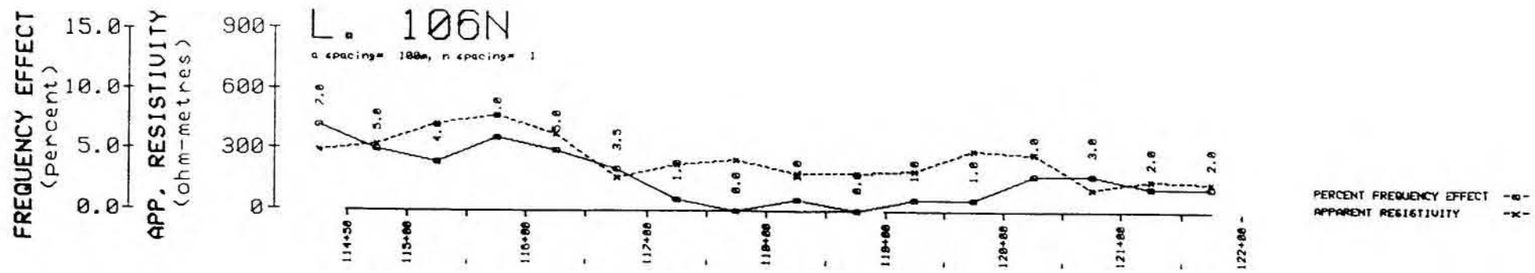
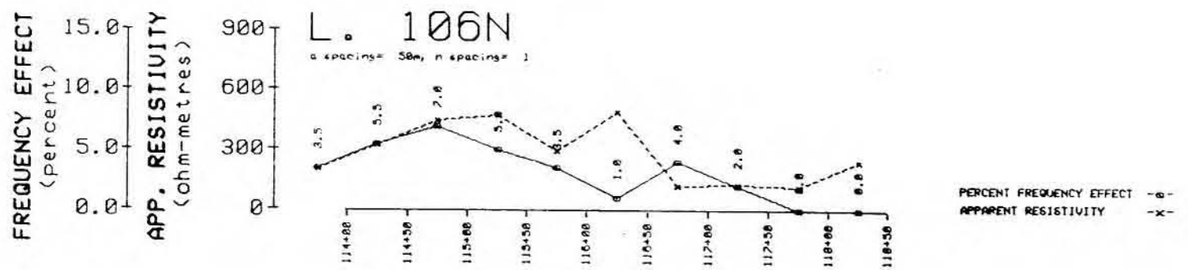
FIGURE 6





LINE 106N

a spacing= 100m, n spacing= 1

STN#	Vp(mV)	I(mA)	PFE%	RES.
114+50	28.3	130.0	7.0	284
115+00	18.8	115.0	5.0	324
-	24.8	110.0	4.0	426
116+00	22.6	110.0	6.0	472
-	42.6	210.0	5.0	382
117+00	11.6	120.0	3.5	168
-	11.4	84.0	1.0	228
118+00	53.9	400.0	8.0	253
-	18.1	180.0	1.0	188
118+50	69.7	700.0	8.0	187
-	21.4	200.0	1.0	201
120+00	23.9	150.0	1.0	300
-	18.2	120.0	2.0	265
121+00	13.2	215.0	2.0	115
-	18.9	130.0	2.0	156
122+00	12.5	160.0	2.0	147

LINE 106N

a spacing= 50m, n spacing= 1

STN#	Vp(mV)	I(mA)	PFE%	RES.
114+00	21.3	90.0	3.5	284
114+50	34.2	90.0	5.5	328
115+00	36.3	70.0	7.0	456
115+50	45.3	90.0	5.0	474
116+00	28.4	80.0	3.5	287
116+50	65.8	125.0	1.0	496
117+00	16.3	70.0	4.0	124
117+50	16.3	70.0	2.0	127
118+00	42.4	350.0	0.0	114
118+50	156.0	600.0	0.0	245

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QUES I CLAIM
— IP DETAIL —
LINE 106N

SCALE 200 0 200 METRES
500 0 500 FEET
1 : 5,000

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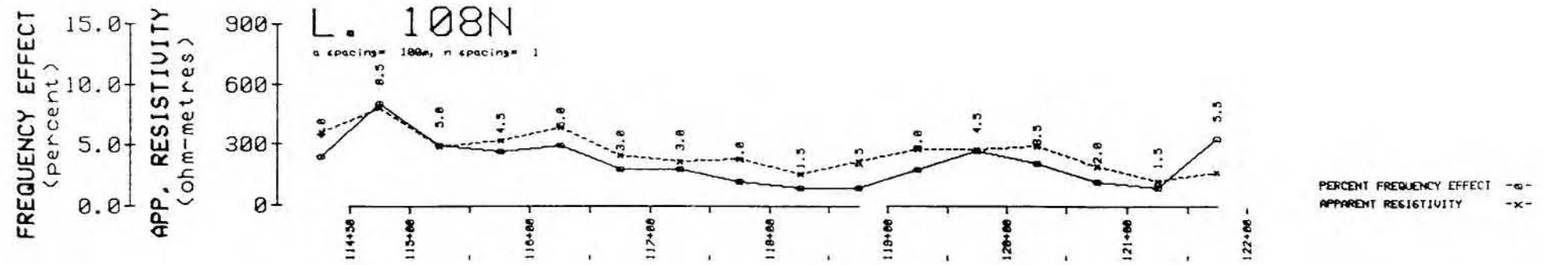
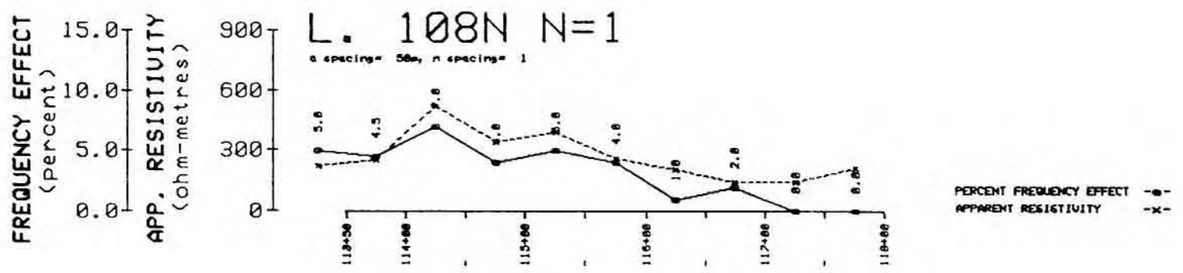
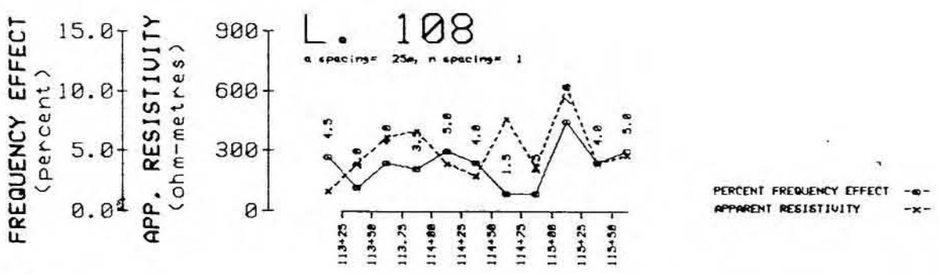
FIGURE 6g







LINE 108N

a spacing= 100m, n spacing= 1

STN#	Up(mv)	I(ma)	PFE%	RES.
114+50	25.1	120.0	4.0	352
115+00	28.0	80.0	6.5	480
-	15.6	100.0	5.0	294
116+00	16.8	90.0	4.5	328
-	22.8	110.0	5.0	388
117+00	17.2	130.0	3.0	248
-	15.0	130.0	3.0	217
118+00	28.6	170.0	2.0	220
-	28.4	250.0	1.5	158
119+00	15.3	130.0	1.5	221
-	18.2	130.0	2.0	279
120+00	14.0	100.0	4.5	280
-	15.0	100.0	3.5	288
121+00	16.5	100.0	2.0	184
-	8.3	125.0	1.5	125
122+00	11.0	125.0	5.5	165

LINE 108N N=1

a spacing= 50m, n spacing= 1

STN#	Up(mv)	I(ma)	PFE%	RES.
113+50	22.0	82.0	5.0	225
114+00	26.0	100.0	4.5	252
-	30.9	70.0	7.0	323
115+00	29.3	80.0	4.0	345
-	62.4	150.0	5.0	382
116+00	33.4	120.0	4.0	262
-	21.9	100.0	1.0	206
117+00	15.9	100.0	2.0	148
-	46.4	300.0	0.0	145
118+00	80.6	400.0	0.0	212

LINE 108

a spacing= 25m, n spacing= 1

STN#	Up(mv)	I(ma)	PFE%	RES.
113+25	14.9	60.0	4.5	183
113+50	34.4	60.0	2.0	238
113.75	21.3	30.0	4.0	373
114+00	86.1	100.0	3.5	485
114+25	34.4	60.0	5.0	238
114+50	31.2	82.0	4.0	179
114+75	128.0	130.0	1.5	463
115+00	138.0	300.0	1.5	216
115+25	95.5	72.0	2.5	625
115+50	49.0	100.0	4.0	234
11 +75	42.4	90.0	5.0	279

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BUENA EXPLORATION LTD

QUES I CLAIM

— IP DETAIL —

LINE 108N

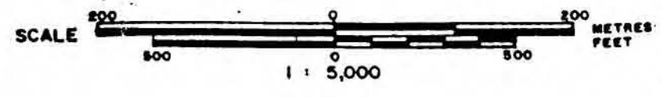

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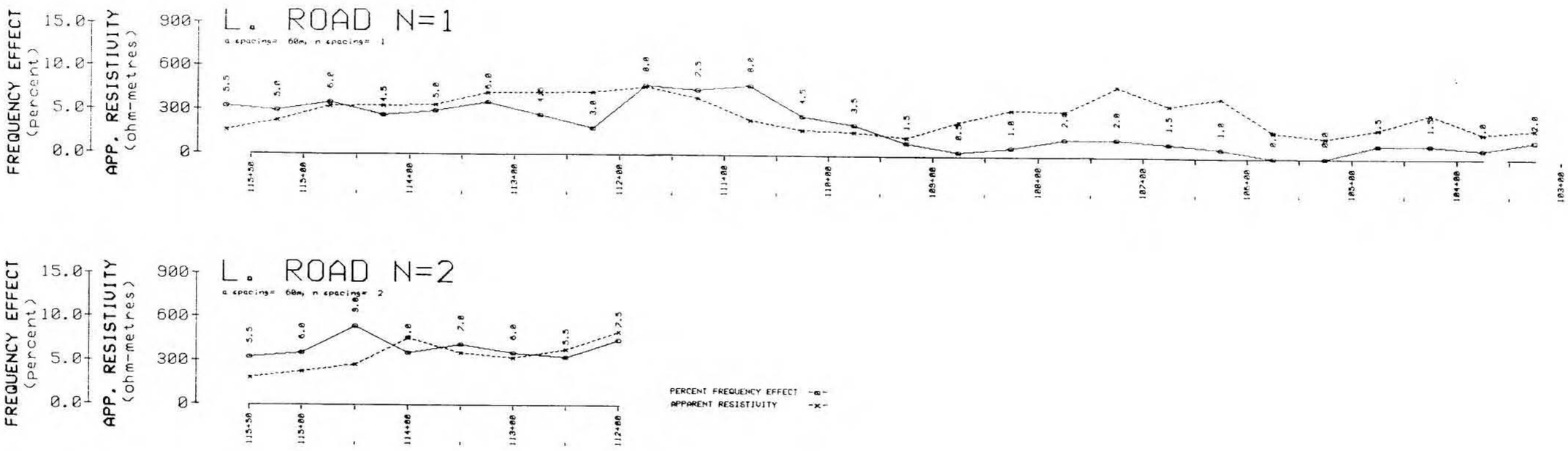
FIGURE 6h



PERCENT FREQUENCY EFFECT -e-
APPARENT RESISTIVITY -x-

LINE ROAD N=1

a spacing= 60m, n spacing= 1

STN#	Up(mv)	I(ma)	PFE%	RES.
115+50	28.2	200.0	5.5	162
115+00	18.6	90.0	5.0	233
-	17.4	59.0	6.0	333
114+00	22.5	92.0	4.5	338
-	55.3	180.0	5.0	347
113+00	47.2	125.0	6.0	427
-	41.6	110.0	4.5	422
112+00	38.2	100.0	3.0	432
-	40.2	96.0	8.0	473
111+00	21.0	60.0	7.5	385
-	13.0	60.0	8.0	245
110+00	13.5	85.0	4.5	178
-	14.2	100.0	3.5	166
109+00	12.0	110.0	1.5	131
-	62.2	300.0	0.5	234
108+00	28.6	250.0	1.0	319
-	66.3	240.0	2.0	312
107+00	96.8	225.0	2.0	486
-	63.3	200.0	1.5	357
106+00	81.2	225.0	1.0	410
-	32.0	210.0	0.5	176
105+00	27.3	215.0	0.0	143
-	28.2	115.0	1.5	283
104+00	24.3	90.0	1.5	385
-	12.3	80.0	1.0	173
103+00	14.2	80.0	2.0	208

LINE ROAD N=2

a spacing= 60m, n spacing= 2

STN#	Up(mv)	I(ma)	PFE%	RES.
115+50	8.4	200.0	5.5	106
115+00	4.6	90.0	6.0	232
-	3.6	59.0	9.0	278
114+00	19.1	185.0	6.0	467
-	14.4	180.0	7.0	361
113+00	9.8	125.0	6.0	328
-	9.4	110.0	5.5	385
112+00	12.4	110.0	7.5	508

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QUES I CLAIM

— IP DETAIL —

LINE ROAD

SCALE 200 0 200 METRES
500 0 500 FEET
1 : 5,000

July, 1986

FIGURE 6

was used for the survey. The dipole-dipole array, with an electrode spacing of 50 metres, n=1, and frequencies of 0.3 and 10 hertz were used. Data is presented in stacked profile form on Figure 6c and in detail profile on Figure 6d-i, after this page.

A discontinuous induced polarization anomaly (Figure 6c) extends from L112N to L100N between stations 11+50E to 117+00E. The anomaly has a notable increase in resistivity from an average background of 200 ohm metres to a high of 800 ohm metres. In general the resistivity highs are coupled with increase in the percent frequency effect ranging from 5% to 8.5%. The northeast boundary of the IP anomaly roughly coincides with the position of the VLF anomaly. The IP anomaly is thought to reflect a sulphide-bearing rock, possibly a felsic volcanic rock.

DISCUSSION OF RESULTS

The 1986 soil survey highlighted two anomalous zones trending towards the northwest and defined as the(1) zinc pattern and (2) the copper pattern outlined in Figure 7. Geochemical sampling in 1984 and 1985 defined (3) the gold pattern . The zinc pattern coincides to an induced polarization resistivity and PFE high as well as a weak VLF-electromagnetic anomaly. The discontinuous nature of the IP anomaly suggests that it may well continue past L98N. Lack of funds originally prevented extending the grid from the primary target, an airborne magnetometer high, to the secondary target, a reproducible 250 ppb gold soil anomaly. Additional induced polarization surveys coupled with trenching of both targets is recommended. Results indicate sulphide mineralization in a felsic volcanic or sedimentary bedrock.

Donald G. Adler

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CERTIFICATE

I, Donald G. Allen, certify that:

1. I am a Consulting Geological Engineer, at A & M Exploration Ltd., with offices at 614-850 West Hastings Street, Vancouver, British Columbia.

2. I am a graduate of the University of British Columbia with degrees in Geological Engineering (B.A.Sc., 1964; M.A.Sc., 1966).

3. I have been practising my profession since 1964 to the present in British Columbia, the Yukon, Alaska and various parts of the Western United States.

4. I am a member in good standing of the Association of Professional Engineers of British Columbia.

5. This report is based mainly on information listed under References and fieldwork carried out by J. Gravel, D. Brownlee, D. Sorenson, J. Cuvelier and B. Stewart, during the period June 15 to 20, 1986.

6. I hold no interest, nor do I expect to receive any, in the QUES 1 claim or in Buena Exploration Ltd.

7. I consent to the use of this report in a Statement of Material Facts or in a Prospectus in connection with the raising of funds for the project covered by this report.

July 28, 1986
Vancouver, B.C.

Donald G. Allen,
P. Eng. (B. C.)

CERTIFICATE

I, John Gravel, certify that:

1. I am a Consulting Geologist and Geochemist, of GHS Geochemical Services with offices at #311 - 1930 West 3rd Avenue, Vancouver, British Columbia.

2. I am a graduate of McGill University with degrees in Geology (B.Sc., 1979) and Mineral Exploration (M.Sc., 1985).

3. I have practised my profession of exploration geologist/geochemist since 1979 to the present in British Columbia.

4. I am a member in good standing of the Association of Exploration Geochemists and a member of the Geological Association of Canada.

5. This report is based on information listed under References, and fieldwork carried out by J. Gravel, D. Brownlee, D. Sorenson, J. Cuvelier and B. Stewart, during the period June 15 to 30, 1986.

6. I hold no interest, nor do I expect to receive any, in the QUES 1 claim or in Buena Exploration Ltd.

July 28, 1986
Vancouver, B.C.

John Gravel,
B. Sc., M. Sc.

CERTIFICATE

I, Douglas R. MacQuarrie, certify that:

1. I am a Consulting Geophysicist of A & M Exploration Ltd., with offices at #614 - 850 West Hastings Street, Vancouver, B.C. V6C 1E1.

2. I am a graduate of the University of British Columbia with a degree in Geology and Geophysics. (B. Sc., 1975).

3. I have been practising my profession since 1975 and have been active in the mining industry since 1971.

4. I am an active member of the Canadian Institute of Mining and Metallurgy and a member of the British Columbia Geophysical Society.

5. This report is based mainly on information listed under References and fieldwork carried out personally and by J. Gravel, D. Brownlee, D. Sorenson, J. Cuvelier and B. Stewart, during the period June 15 to 30, 1986.

6. I hold no intgerest, nor do I expect to receive any, in the QUES 1 claim or in Buena Exploration Ltd.

7. I consent to the use of this report in a Statement of Material Facts or in a Prospectus in connection with the raising of funds for the project covered by this report.

July 28, 1986
Vancouver, B.C.

Douglas R. MacQuarrie
B. Sc.

APPENDIX I

1984 AIRBORNE GEOPHYSICAL SURVEYS

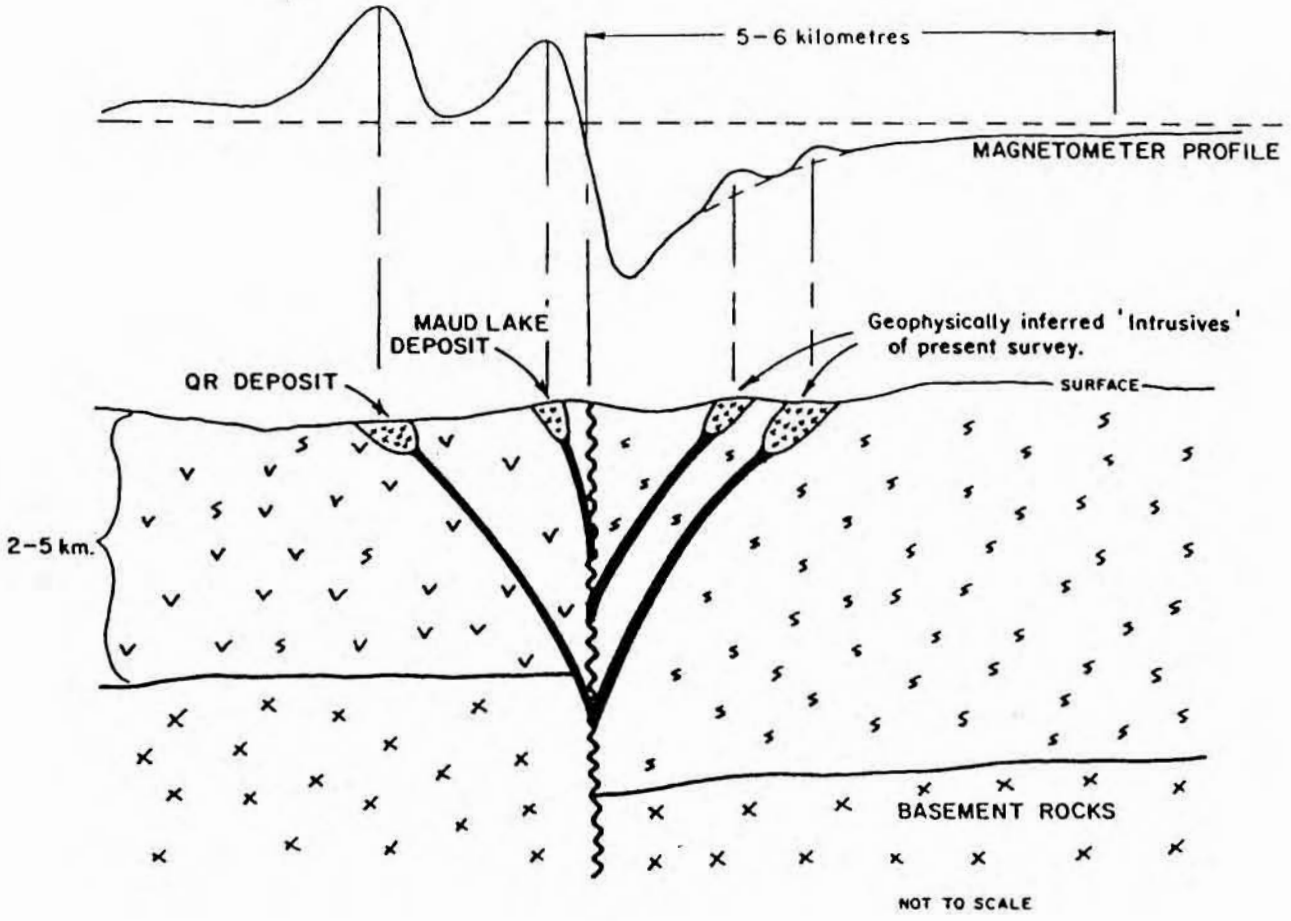
1984 AIRBORNE MAGNETIC AND ELECTROMAGNETIC SURVEY

In 1984, an exploration program consisting of 24.3 kilometres of helicopter-borne multifrequency electromagnetic, VLF-electromagnetic and magnetic surveys was conducted over the QUES 1 claim.

The airborne geophysical surveys were conducted by R. Sheldrake of Apex Airborne Surveys Ltd. The survey was part of a larger survey of the general Maude Lake area. In addition, test flights were flown over the QR and Cariboo Bell deposits to determine geophysical responses for comparison with anomalies generated in the survey area. Instrumentation and results of work are described in detail in a separate report by Sheldrake (1984). A prominent magnetic feature which warrants examination for disseminated sulphide/gold mineralization was discovered. Geophysical results of the general Maude Lake area as discussed by Sheldrake are as follows:

"MAUD LAKE AREA - GEOPHYSICAL RESULTS

The predominant features of the MAUDE LAKE AREA magnetic mapsheet are the linear structures and gradients that strike N.W.-S.E. They are related to a 120 kilometer long "regional feature that can be traced from the GEOLOGICAL SURVEY OF CANADA, Aeromagnetic Series Maps. This "lineament" extends from the north-west of Maude Lake to near the town of Likely and then southwards along Quesnel Lake to Horsefly Bay continuing southwards to Horsefly Lake and then to the area of Hendrix (Sunset) Lake. A schematic interpretation of the feature, (for the purposes of this report called the QUESNEL BASIN or QB FAULT) and a suggested relationship to the QR and MAUD LAKE intrusive rocks is displayed in FIGURE 2 below.



The magnetic "edge effect" gradient north-west of the fault is caused by the thick and relatively magnetic volcanic and sedimentary "pile" on the south-west sied of the "QB Fault". This "edge effect" is in the order of several kilometres.

The suggestion that the QR and MAUD LAKE DEPOSITS are related to the QB Fault is speculation at this point, however they are near it. The QR deposit is less than 2 kilometres south-west of the fault and the MAUD LAKE DEPOSIT is in close proximity.

The QB Fault, for the most part, lies south-west of the present survey area, except at the south-western corner of the NEL 1 CLAIM, the southern portion of the GONZO 1 CLAIM, and the western portion of the CHAIZ 1 CLAIM. (The QB Fault strikes N-S in the area of the CHAIZ 1 CLAIM.)

A number of geophysically inferred structures are indicated from the present magnetic survey that appear to be related, by virtue of their proximity and continuity, to the QB Fault.

In the LIKELY area where "features" (intrusive rocks) are in similar aspect (geophysically speaking) to the QB Fault, some of them are known to have anomalous gold values. (Personal comunication Mr. John Brock, Mount Calvery Resources Ltd.)

The data indicate 4 categories of magnetically inferred features based on their distance from the QB Fault and the character of the magnetic responses.

Type 1, of which there are 2 cases, are centered on the high magnetic values located in the southern portion of the GONZO 1 CLAIM and high magnetic values in the western part of the CHAIZ 1 CLAIM. These features lie south and/or west of the QB Fault and may indicate intrusive rocks similar to those in the QR and MAUD LAKE area.

Type 2 refers to those "Magnetically inferred" features north and east of the QUESNEL BASIN FAULT that have relatively short strike lengths. They lie within the previously mentioned gradient caused by the "edge effect" of the thick volcanic/sedimentary pile to the south-west. These features lie nearest to the QB Fault and are interpreted as volcanic or intrusive rocks that may have come up through secondary faults.

Type 3 refers to the N.W.-S.E. magnetic feature that is generally continuous between the LEB 1 CLAIM in the south-east and the VIC 20 CLAIM in the north-west. This feature is subparallel to the QB Fault and may have originated through secondary fault structures. These rocks may be the sources of the anomalous geochemistry values that have been reported in the area of the Leb 1 CLAIM.

REMARK: There are a number of "off-sets" in the "Type 3" feature that typically indicate faulting. Further, there may be anomalous distortion of the rocks in the north-west corner of the SHANNON 1 CLAIM and the VIC 13 CLAIM which may indicate an area of alteration or severe fracturing. This area ought to be tested.

Type 4 refers to less well defined magnetic features north-west of the previously mentioned lineament (Type 3 feature). These may be acidic intrusions or volcanic flows within the sedimentary sequence. They are relatively isolated and do not appear to be related to the QB Fault.

ELECTROMAGNETIC RESULTS

One hundred and twenty-five conductors have been plotted on PLATE 1, THE MAGNETIC CONTOUR AND E.M. CONDUCTOR MAP. These conductors were selected from the low-frequency coaxial coil data as responses most suitable for "half-plane model" interpretation. Although all of them indicate an increase in the conductivity of the underlying rocks, none of the calculated

conductances are above 15 mohs. One conductor, however, on L 65 at fiducial 1436.15 appears anomalous because of its "well-defined" response and its proximity to an inferred intrusion. This conductor may indicate a localized increase in metallic content and ought to be tested.

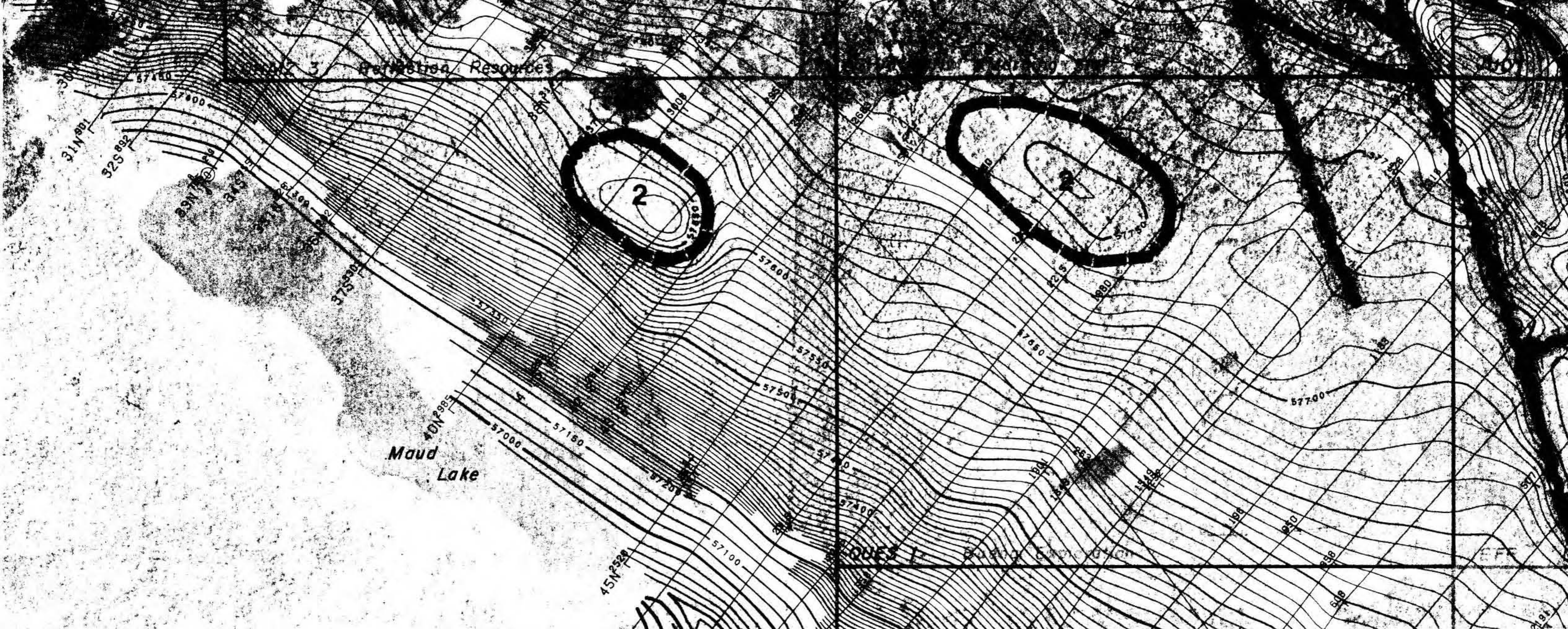
The Electromagnetic Profile data are quite active and indicate that the overburden in the area is moderately conductive. Many of the HEM responses are due to conductive overburden or shallow sloughs that are filled with conductive sediments. Under conditions of conductive overburden, the electromagnetometer becomes sensitive to terrain clearance variations and some of the responses are due to this effect.

However, any real increase in conductivity in the CHAIZ 2 AND VIC 1 CLAIMS, does not appear to be related to conductive overburden and may indicate increased metallic mineralization, although the presence of conductive graphitic rocks cannot be ruled out.

The VLF Electromagnetometer did not respond to the geological features inferred by the magnetic or the HEM survey. The "regional" low frequency nature of the contour pattern is due to the effect of topography.

However, there is one area of distortion in the VLF data that is near to a "type 1" magnetic feature and may be anomalous. The contour pattern is distorted in the area of L 134 fiducial 2628 and L 14 fiducial 2567 (on the CHAIZ 1 claim) may indicate a zone of disturbed or altered rock."

Airborne data for the QUES 1 claim is plotted on airphoto enlargment basemaps (Figures 8a to 8d). Of significance is the Type 2 magnetic target and the projection of a magnetic linear on the northern half of the claim group.



LEGEND:

Contour interval = 10 gammas

59000

58950

Magnetic low

E.M. Conductors

NOTES:

Magnetic declination 23° E.

Magnetic inclination 73°.

INTERPRETATION:

Fault

Contact

PLATE I

A·M exploration ltd

MAGNETIC CONTOUR AND E.M. CONDUCTOR MAP

QUES I CLAIM

CARIBOO MINING DIVISION

1:15,000

SCALE

METRES

FEET

N.T.S. 93 A/12 and 93 A/13	DATE JUNE 25, 1984
APEX AIRBORNE SURVEYS LTD	VANCOUVER, B.C.

84-244-4 Figure 8a

CHAZ 3 Reflection Resources

QUES 1 Buena Exploration

Maud Lake

LEGEND

Contour interval 2.0% total field strength

NOTES

Station Cutler, Maine, 24.0 Khz

PLATE 2

A·M exploration ltd

TOTAL FIELD VLF CONTOUR MAP

TRANSMITTING STATION CUTLER, MAINE

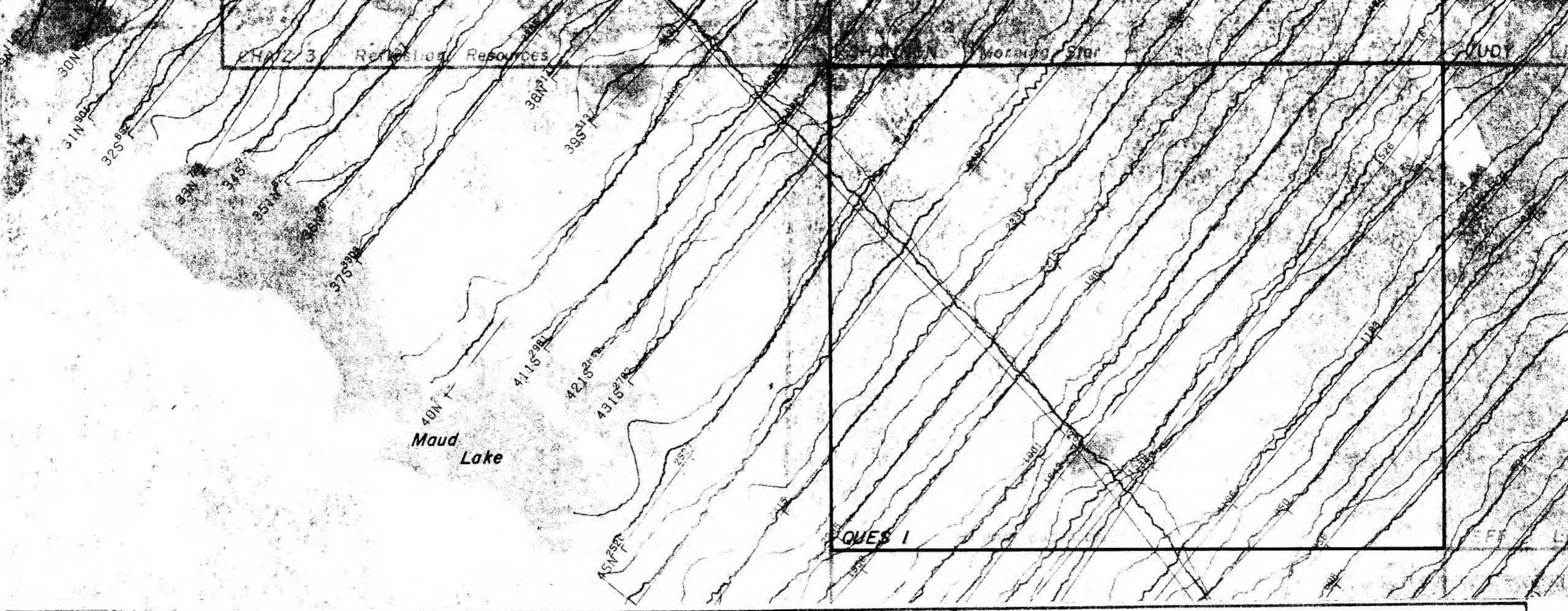
QUES I CLAIM

CARIBOO MINING DIVISION

SCALE 1:5,000

N T S 93 A/12 and 93 A/13	DATE JUNE 25, 1984
APEX AIRBORNE SURVEYS LTD	VANCOUVER, B C

84-244-5 Figure 8b

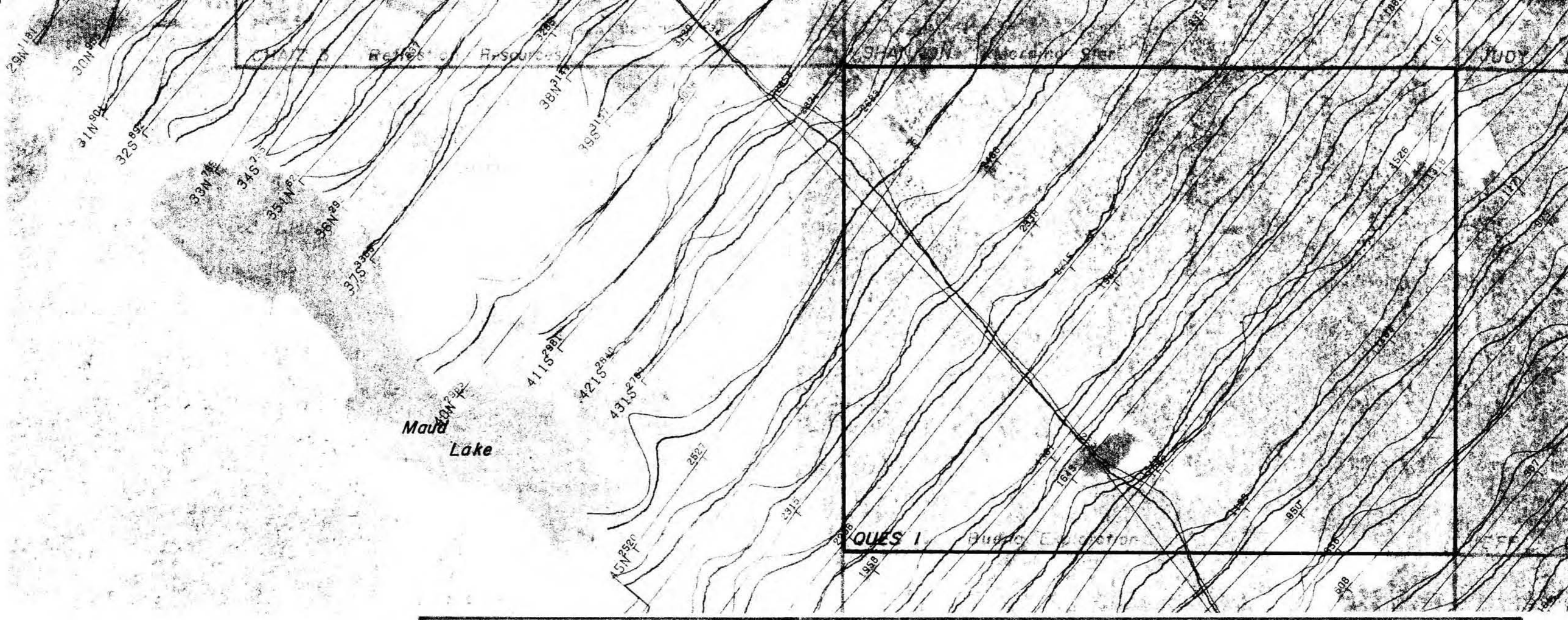


A·M exploration ltd

ELECTROMAGNETIC PROFILES MAP

QUES I CLAIM

84-244-6 Figure 8c



A·M exploration ltd

ELECTROMAGNETIC PROFILES MAP

QUES I CLAIM

84-244-7 Figure 8d

APPENDIX II

SAMPLING PROCEDURES, ANALYTICAL PROCEDURES, STATISTICS AND DATA LISTING

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 125-1748 (COMPLETE)

REFERENCE INFO:

CLIENT: BUENA EXPLORATIONS INC.
PROJECT: QUES#1

SUBMITTED BY: M. MITCHELL
DATE PRINTED: 29-JUL-85

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Cu Copper	95	1 PPM	MULT ACID TOT DIG	D.C. Plasma
2	Pb Lead	95	5 PPM	MULT ACID TOT DIG	D.C. Plasma
3	Zn Zinc	95	1 PPM	MULT ACID TOT DIG	D.C. Plasma
4	Ag Silver	95	0.5 PPM	MULT ACID TOT DIG	D.C. Plasma
5	Au Gold - Fire Assay	95	5 PPB	FIRE-ASSAY	Fire Assay AA
6	wt/Au Sample Weight	4	1 gm		
7	wt/Au Sample Weight	1	1 gm		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOILS	95	1 -80	95	DRY, SEIVE -80	95

REMARKS: VALUES IN FIRST Au WEIGHT COLUMN ARE -80 MESH
VALUES IN SECOND Au WEIGHT COLUMN ARE -20 MESH

REPORT COPIES TO: MR. MARVIN A. MITCHELL

INVOICE TO: MR. MARVIN A. MITCHELL

Bondar-Clegg & Company Ltd.
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BONDAR-CLEGG

Geochemical Lab Report

REPORT: 125-1748 | PROJECT: QUES#1 | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB	wt/Au gm	wt/Au gm
S1 L0+00E 8+75N		40	10	65	<0.5	30	9	
S1 L0+00E 9+25N		45	10	80	<0.5	<5		
S1 L1+50E 1+00N		40	10	170	0.5	5		
S1 L1+50E 1+50N		45	10	100	<0.5	5		
S1 L1+50E 2+00N		25	10	140	<0.5	<5		
S1 L1+50E 2+50N		35	5	140	<0.5	5		
S1 L1+50E 18+50N		30	10	150	<0.5	5		
S1 L1+50E 19+00N		40	10	120	<0.5	<5		
S1 L1+50E 19+50N		30	10	140	<0.5	<5		
S1 L1+50E 20+00N		50	10	90	<0.5	5		
S1 L3+00E 0+50N		50	10	90	<0.5	5		
S1 L3+00E 1+50N		35	10	120	0.5	5		
S1 L3+00E 2+25N		20	10	200	<0.5	<5		
S1 L3+00E 2+50N		20	10	170	<0.5	5		
S1 L3+00E 8+50N		85	10	90	0.5	<5		
S1 L3+[illegible]0E 17+50N		30	15	140	<0.5	<5		
S1 L3+50E 18+00N		35	5	120	<0.5	<5		
S1 L3+50E 18+50N		35	10	200	<0.5	<5		
S1 L3+50E 19+00N		40	15	140	<0.5	<5		
S1 L3+50E 19+50N		45	10	350	<0.5	<5		
S1 L3+50E 20+00N		40	5	120	<0.5	5		
S1 L5E 6+50N		50	5	100	<0.5	<5		
S1 L5E 7+00N		30	15	110	<0.5	<5		
S1 L5E 7+50N		30	5	140	<0.5	<5		
S1 L5E 8+00N		30	<5	100	<0.5	<5		
S1 L5E 9+00N		20	10	200	<0.5	<5		
S1 L6E 8+50N		35	10	100	<0.5	<5		
S1 L7+50E 5+00N		50	10	150	0.5	<5		
S1 L7+50E 6+00N		30	5	70	<0.5	<5		
S1 L7+50E 7+00N		30	5	90	<0.5	5		
S1 L7+50E 8+00N		35	5	110	<0.5	<5		
S1 L7+50E 8+50N		35	5	160	<0.5	<5		
S1 L9E 5+50N		30	<5	130	<0.5	5		
S1 L9E 6+50N		35	5	120	<0.5	<5		
S1 L9E 9+50N		30	5	85	<0.5	<5		
S1 L10E 3+50N		20	5	85	<0.5	<5		
S1 [illegible] 4+00N		40	5	160	<0.5	<5		
S1 [illegible] 4+50N		50	10	95	<0.5	<5		
S1 L10E 5+00N		55	10	110	<0.5	<5		
S1 L10E 6+00N		65	5	250	<0.5	<5		

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Geochemical Lab Report

REPORT: 125-1748 | PROJECT: QUES#1 | PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB	wt/Au g	wt/Au g
S1 L10E 6+50N		65	10	250	<0.5	<5		
S1 L10E 19+00N - 7+00 N		50	5	110	<0.5	<5		
S1 L10+50E 10+50N		60	10	100	0.5	<5		
S1 L10+50E 11+00N		75	5	95	<0.5	<5		
S1 L10+50E 11+50N		50	5	400	<0.5	<5		
S1 L10+50E 12+00N		60	<5	250	<0.5	<5		
S1 L12E 10+50N		65	10	250	0.5	<5		
S1 L14+25E 12+50N		65	5	180	<0.5	<5		
S1 L14+25E 13+10N		80	10	200	<0.5	20		
S1 L14+25E 13+50N		140	5	150	<0.5	<5		
S1 L14+25E 14+00N		130	10	90	<0.5	<5		
S1 L14+25E 14+50N		40	5	170	<0.5	<5		
S1 L14+25E 15+00N		300	10	140	1.5	10	4	6
S1 L14+25E 15+50N		70	10	120	<0.5	5		
S1 L15E 12+50N		75	10	170	<0.5	<5		
S1 L15E 13+50N		50	5	50	<0.5	280		
S1 L15E 14+50N		25	5	85	<0.5	<5		
S1 L16E 12+50N		45	5	85	<0.5	5		
S1 L16E 13+00N		55	10	120	<0.5	<5		
S1 L16E 13+50N		40	5	55	<0.5	<5		
S1 L16E 14+00N		55	5	65	<0.5	5		
S1 L16E 14+50N		50	5	85	<0.5	5		
S1 L16E 15+00N		50	5	75	<0.5	<5		
S1 L18E 09+50N		35	5	100	<0.5	<5		
S1 L18E 10+50N		40	10	70	<0.5	<5		
S1 L18E 11+50N		55	10	130	<0.5	<5	9	
S1 L18E 12+50N		55	5	75	<0.5	<5		
S1 L20E 8+00N		70	<5	80	<0.5	<5		
S1 L20E 8+50N		35	5	60	<0.5	10		
S1 L20E 9+00N		70	5	95	<0.5	<5		
S1 L20E 9+50N		60	10	95	<0.5	5		
S1 L20E 10+00N		45	10	190	0.5	<5		
S1 L20E 10+50N		60	10	130	<0.5	<5		
S1 L20E 11+00N		110	15	180	<0.5	5	7	
S1 L20E 11+50N		40	10	110	<0.5	65		
S1 L20E 12+00N		85	15	60	<0.5	<5		
S1 L20E 12+50N		60	5	110	<0.5	<5		
S1 L21E 7+50N		75	15	110	<0.5	<5		
S1 L21E 8+50N		65	<5	120	<0.5	<5		
S1 L21E 9+50N		40	10	85	<0.5	10		

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Geochemical Lab Report

REPORT: 125-1748 | PROJECT: QUES#1 | PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB	wt/Au gm	wt/Au gm
S1 L21E 10+50N		20	5	30	<0.5	<5		
S1 L21E 11+50N		45	10	80	<0.5	75		
S1 L21E 12+50N		50	15	75	<0.5	<5		
S1 L22E 7+00N		50	15	80	<0.5	<5		
S1 L22E 7+50N		30	5	60	<0.5	<5		
S1 L22E 8+00N		60	<5	70	<0.5	<5		
S1 L22E 8+50N		50	10	110	<0.5	<5		
S1 L22E 9+00N		65	10	75	<0.5	<5		
S1 L22E 9+50N		35	5	90	0.5	<5		
S1 L22E 10+00N		25	<5	75	0.5	<5		
S1 L22E 10+50N		30	5	65	<0.5	<5		
S1 L22E 11+00N		50	5	140	<0.5	<5		
S1 L22E 11+50N		30	10	80	<0.5	5		
S1 L22E 12+00N		55	5	50	<0.5	5		
S1 L22E 12+50N		60	15	160	<0.5	<5		

SAMPLING PROCEDURES

A flagged grid was established to provide the best intersection of the structural, lithological, and glacial trend. Soil samples were collected at 100 metre x 100 or 200 metre spacing depending on proximity to known geophysical targets.

A shovel was used to sample the B horizon at a depth varying from 20 to 60 centimetres. Approximately ½ to 1 kilogram of soil is placed in a Kraft paper bag and allowed to dry at ambient temperature prior to shipment to the laboratory.

ANALYTICAL PROCEDURES

Samples were sent to Rossbacher Laboratory Ltd. in Burnaby, British Columbia, for sample preparation and gold analyses. Soil samples were oven dried at 80° then desiccated and sieved to -80 mesh. Rock samples are crushed and pulverized to -100 mesh.

Ten grams of the fine mesh fractions are ashed at 520° and leached by hot aqua regia. Gold is extraced from the acid solution by MIBK and the concentration is determined by atomic absorption spectrometry.

Several grams of the -80 mesh fraction were shipped to Acme Analytical Laboratories Ltd. for 30 element ICP analyses. A 0.5 gram split of the sample pulp is digested in aqua regia and aspirated into the ICP spectrometer. Results are outputted to a micro computer for hard copy printout and reproduction on a floppy disk.

STATISTICAL ANALYSIS

Sample concentrations are analysed using simple univariate statistics. Histograms are calculated and printed out using the UBC Amdal computer. Class intervals for the histograms are set to 1/4 standard deviation. This is used for both arithmetic and logarithmic histograms. Concentration intervals, represented by varying dot sizes

used in the element plots, are based on a combination of percentiles (i.e., 35th, 50th, 65th, 80th, 90th, 95th percentile) and estimated divisions between families in multimodal populations.

DATA LISTINGS

A printout of field site observations, UTM coordinates and analytical results is given at the end of Appendix II.

Field site parameters lie in column 1-80, UTM coordinates are in columns 19-31 and analytical results are in columns 81 to 256. A coding guide to field site parameters precedes the data listing.

ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

TO : A&M EXPLORATION LTD.
614-850 W. HASTINGS STREET
VANCOUVER B.C.

PROJECT: 324
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86179
INVOICE#: 6414
DATE ENTERED: 86-06-27
FILE NAME: A&M86179
PAGE # : 1

PRE FIX	SAMPLE NAME	-40 MESH	PPB Au
S	50 324 606001	X	5
S	606002		5
S	606003		5
S	606004		5
S	606005		5
S	606006		5
S	606007		5
S	606008	X	5
S	606009		5
S	606010		5
S	606011		5
S	606012		5
	606013		5
S	606014		5
S	606015		5
S	604100		5
S	604101		5
S	604102		5
S	604103		5
S	604104		5
S	604105		5
S	604106		5
S	604107		5
S	604108		10
S	604109		5
S	604110		5
S	604111		5
S	604112		5
S	604113		5
S	604114		5
S	604115		5
T	604116		5
S	604117	X	5
S	604118		5
S	604119		5
S	604120		5
S	604121		5
S	604122		5
S	604123		5
S	604124		5

CERTIFIED BY : F. Rossbach

JSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

TO : A&M EXPLORATION LTD.
614-850 W. HASTINGS STREET
VANCOUVER B.C.

PROJECT: 324
TYPE OF ANALYSIS: GEOCHEMICAL

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FILE NAME: A&M86179
PAGE # : 2

PRE FIX	SAMPLE NAME	-40 MESH	PPB Au
S	50 324 604125		5
S	604126		5
S	604127		70
S	604128		5
S	604129		5
S	604130		5
S	604131		5
S	604132		5
S	604133		5
S	604134		5

CERTIFIED BY : J. Jossbacher

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: PULP

DATE RECEIVED: JUNE 30 1986 DATE REPORT MAILED: July 5/86 ASSAYER. D. Toye ...DEAN TOYE. CERTIFIED B.C. ASSAYER.

A & M EXPLORATION PROJECT - 324 FILE # 86-1225

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
604100	1	37	15	142	.5	27	13	336	4.84	15	5	ND	1	33	1	2	2	102	.29	.17	4	48	.59	139	.05	9	2.03	.01	.07	1
604101	1	36	10	147	.3	30	11	365	3.40	8	5	ND	2	34	1	2	2	74	.38	.06	11	48	.64	84	.10	6	1.70	.01	.07	1
604102	1	30	7	132	.3	35	9	205	2.58	8	5	ND	1	29	1	2	3	70	.38	.05	9	45	.71	118	.09	5	2.49	.01	.07	1
604103	2	56	9	100	.3	42	15	295	4.19	14	5	ND	1	44	1	2	2	109	.44	.05	7	59	.92	126	.06	8	2.96	.01	.07	1
604104	3	39	8	124	.3	24	12	281	4.19	11	5	ND	1	30	1	2	2	115	.34	.04	5	43	.71	87	.09	6	2.35	.01	.05	1
604105	3	52	13	110	.4	65	22	416	6.56	18	5	ND	2	36	1	2	2	133	.40	.05	6	84	1.05	159	.12	4	3.01	.01	.06	1
604106	2	51	8	99	.3	40	14	485	3.79	9	5	ND	2	43	1	2	2	84	.52	.04	13	64	.87	98	.10	5	1.92	.02	.07	1
604107	2	69	10	99	.5	46	21	891	4.56	28	5	ND	2	52	1	2	3	97	.71	.07	11	66	1.00	130	.10	6	1.81	.02	.10	1
604108	3	73	16	75	.4	54	22	978	5.00	23	5	ND	3	46	1	2	3	102	.65	.03	10	80	.97	121	.11	7	1.93	.02	.11	1
604109	1	30	11	162	.5	28	13	377	4.24	12	5	ND	1	32	1	2	2	86	.38	.15	6	52	.56	105	.08	7	1.85	.01	.08	1
604110	1	31	8	254	.2	35	15	435	4.50	12	5	ND	2	33	1	2	2	85	.42	.23	7	57	.80	140	.10	8	2.21	.01	.09	1
604111	1	42	7	147	.3	54	15	423	4.37	10	5	ND	2	37	1	2	4	93	.51	.17	7	69	1.19	81	.13	5	2.28	.01	.08	1
604112	2	44	11	83	.2	62	15	519	4.14	10	5	ND	2	51	1	2	2	92	.75	.03	8	74	1.36	101	.13	4	2.40	.02	.07	1
604113	3	79	11	129	.5	55	23	583	6.18	28	5	ND	1	67	1	2	2	126	.29	.13	2	49	.56	190	.01	9	3.29	.01	.09	1
604114	2	26	9	266	.4	25	15	570	4.83	11	5	ND	1	31	1	3	2	107	.33	.14	2	54	.56	224	.07	5	2.44	.01	.09	3
604115	1	32	11	198	.6	34	17	511	4.90	14	5	ND	1	29	1	2	2	96	.34	.16	3	57	.53	193	.07	6	2.48	.01	.09	1
604116	1	80	17	94	.4	18	19	862	5.38	3	7	ND	2	43	1	2	2	173	2.90	.11	2	30	1.64	42	.36	11	2.80	.05	.08	1
604117	1	55	13	104	.3	52	17	572	4.37	15	5	ND	1	39	1	2	2	93	.62	.07	4	66	.95	128	.09	5	2.18	.01	.10	1
604118	2	90	16	122	.6	50	21	1215	4.83	18	5	ND	2	50	1	2	2	100	.63	.04	8	75	.99	118	.09	8	2.16	.02	.11	1
604119	1	40	10	93	.1	37	13	417	3.35	13	5	ND	2	41	1	2	3	81	.51	.04	6	57	.86	108	.10	5	1.67	.01	.07	1
604120	2	45	8	108	.3	36	13	397	3.90	19	5	ND	2	31	1	2	2	79	.29	.05	4	52	.67	118	.08	5	1.84	.01	.07	1
604121	1	23	6	170	.2	28	12	329	3.21	11	5	ND	1	33	1	2	2	74	.32	.08	3	41	.53	117	.07	7	1.65	.01	.06	1
604122	1	33	18	164	.2	30	13	372	3.62	11	5	ND	2	39	1	3	2	80	.39	.08	3	41	.57	98	.08	7	1.64	.01	.08	1
604123	1	19	2	95	.4	25	11	308	3.26	8	5	ND	1	24	1	2	2	73	.33	.12	3	47	.56	99	.08	3	1.64	.01	.06	1
604124	2	54	13	97	.2	45	17	726	4.22	17	5	ND	3	43	1	2	3	83	.44	.05	8	61	.97	126	.10	3	1.74	.01	.09	1
604125	2	51	16	120	.3	28	15	544	4.92	19	5	ND	1	43	1	2	2	126	.46	.06	2	43	.61	161	.03	6	2.18	.01	.07	1
604126	2	91	12	70	.5	36	16	470	3.89	18	5	ND	1	35	1	3	2	85	.39	.04	4	57	.59	118	.07	6	2.05	.01	.06	1
604127	2	67	14	94	.3	35	16	590	4.27	15	5	ND	1	38	1	2	2	94	.42	.07	2	47	.68	121	.07	5	1.67	.01	.06	1
604128	1	28	13	192	.4	25	13	850	4.30	13	5	ND	1	33	1	2	2	98	.30	.12	2	50	.49	323	.04	3	1.93	.01	.11	1
604129	1	34	9	84	.3	40	13	353	3.56	12	5	ND	2	35	1	2	2	82	.39	.09	3	52	.77	104	.11	4	1.65	.01	.07	1
604130	1	34	12	149	.3	46	13	340	4.31	12	5	ND	2	33	1	2	2	83	.41	.20	2	61	.82	98	.09	6	2.13	.01	.09	1
604131	1	32	11	102	.1	35	9	274	2.73	8	5	ND	2	31	1	2	2	62	.34	.04	9	50	.81	78	.11	2	1.82	.01	.06	1
604132	1	26	6	97	.2	24	10	255	2.91	9	5	ND	2	34	1	2	2	68	.37	.03	6	42	.49	105	.07	4	1.67	.01	.05	1
604133	1	35	7	169	.3	26	14	481	3.66	15	5	ND	1	37	1	2	2	80	.45	.11	2	44	.60	117	.07	6	1.63	.01	.09	1
604134	1	48	9	127	.6	33	15	377	4.10	16	5	ND	1	53	1	2	2	80	.63	.05	7	46	.77	123	.08	2	1.88	.01	.09	1
STD C	20	56	36	128	7.0	69	29	1158	3.92	38	17	7	31	45	15	16	19	60	.48	.10	40	57	.88	167	.08	39	1.73	.06	.14	13

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
606001	2	68	11	172	.3	50	19	558	4.88	12	5	ND	1	43	1	3	3	106	.47	.10	13	51	1.02	119	.07	3	2.40	.01	.07	1
606002	1	26	2	188	.3	22	13	899	4.50	5	5	ND	1	26	2	2	2	96	.27	.21	11	50	.52	127	.08	2	1.89	.01	.06	1
606003	1	50	9	116	.4	35	15	544	3.88	6	5	ND	1	33	1	3	2	81	.41	.04	15	52	.57	111	.06	4	1.82	.01	.06	1
606004	1	50	9	69	.3	38	14	559	3.79	8	5	ND	2	40	1	2	2	82	.52	.03	18	56	.80	120	.10	2	1.84	.02	.06	1
606005	1	40	12	180	.3	29	13	440	4.93	9	5	ND	1	26	1	2	3	96	.32	.20	10	49	.63	166	.05	3	2.00	.01	.07	1
606006	1	59	8	92	.2	38	16	373	4.07	9	5	ND	1	31	1	2	2	85	.33	.08	9	53	.67	168	.05	4	1.78	.01	.05	1
606007	2	58	5	141	.2	42	21	587	5.92	17	5	ND	1	39	1	2	2	118	.46	.07	9	64	.77	149	.06	3	2.23	.01	.08	1
606008	2	147	12	101	1.4	54	19	1046	4.73	20	5	ND	1	107	2	2	3	85	2.21	.14	22	71	.72	234	.03	3	2.04	.01	.08	1
606009	1	37	7	91	.2	24	12	398	2.91	7	5	ND	1	35	1	2	3	68	.43	.06	9	43	.48	114	.07	2	1.07	.01	.04	1
606010	2	102	16	82	.8	48	19	1166	4.62	18	5	ND	1	53	1	2	2	91	.58	.06	20	76	.80	157	.07	4	1.77	.01	.08	1
606011	2	32	8	85	.3	25	10	212	3.53	10	5	ND	1	27	1	2	2	77	.25	.09	10	43	.48	103	.06	3	1.42	.01	.05	1
606012	2	33	4	124	.2	28	12	336	3.69	13	5	ND	1	32	1	2	3	81	.32	.09	9	44	.49	115	.06	3	1.44	.01	.04	1
606013	3	45	8	122	.3	32	13	272	3.89	17	5	ND	1	39	1	2	2	76	.34	.14	9	47	.55	145	.05	4	1.44	.01	.06	1
606014	2	45	8	114	.3	28	12	301	3.81	15	5	ND	1	42	1	2	3	80	.36	.14	9	46	.55	132	.05	4	1.29	.01	.06	1
606015	1	27	11	114	.3	22	10	232	3.35	7	5	ND	1	32	1	3	2	78	.26	.11	10	44	.39	136	.06	2	1.22	.01	.07	1
STD C	20	58	40	131	7.0	67	29	1062	3.94	38	19	7	32	47	17	15	19	61	.48	.10	36	58	.88	176	.08	41	1.73	.06	.12	13

QUICK GUIDE for SOIL FORM

Col
1-2 SAMPLE TYPE

10 Stream Sediment
30 Lake Sediment
40 Bog Sample
50 Soil Sample
60 Talus Sample
80 Rock Chip

49 TEXTURE

1 Organic
3 Sandy
5 Sand-Silt-Clay
7 Silt-clay
9 Gravel

52-54 DEPTH

Depth in cm. to bottom of hole (for Stream Silts: Depth of Stream)

Col.
55-56 HORIZON

LH Leaf, Humus (Black to Dk. Brown)
AH Organic A Horizon (Black to Dk. Brown)
AE Leached A Horizon (Grey Brown to Grey White)
BH Organic B Horizon (Dk. Brown)
BF Iron-rich B Horizon (Brown, Red-Brown, Orange-Brown, Yellow-Brown)
BT Clay-rich B Horizon (any shade of Brown)
BM Slightly modified B Horiz. (Brown, Olive-Brown)
BG Water-rich B Horizon (Grey to Brown with Red-Brown spots)
C1 Unweathered Overburden (Blue-Grey to Grey-Brown)

Col.
61-66 COLOR OF SAMPLE

use Munsell Notation
i.e. Light Olive-Brown = L6YL5R
and Medium Red-Brown = M5YR5R

68-69 % COARSE FRAGMENTS

% Rock Fragments (larger than pea size) in sample

70 SHAPE OF FRAGMENTS

A Angular
S Subangular to Subrounded
R Rounded
M Mixture of above types

QUICK GUIDE FOR STREAM AND ROCK SAMPLES

COL.
49 TEXTURE

(Same as for Soils)

52-54 DEPTH

Depth of Stream in cm.

55-56 WIDTH

Width of Stream in Metres (if Less than 1 metre use decimal i.e. .5)

61-66 COLOR

Same as for Soils
*note any percipatate in COMMENTS

COL.
68 Organic fraction

1. Minor amount undecomposed
2. Large amount undecomposed
3. Minor amount well-decomposed
4. Large amount well-decomposed
7. Sediment grains coated by organics
8. Organic muck

69 MINERAL FRACTION

1. Silicate sand
2. Carbonate sand
3. Minor Heavy Minerals
4. Abundant Heavy Minerals Minerals

Rock Samples

NOTE Sample location and identification should be noted on field form as a record of sample collection, however notes should be recorded in a Notebook specific to geology notes.

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494  5086323  605146 5742285845183  93A12                                                    1  34   8  102  .4  30  12  522
     3.42  10   5   5   2  37   1   2   2  83  .56  .05   9  50  .63  81  .12   6 1.60  .02  .06   1
495  5086323  605147 5741625845107  93A12                                                    1  26  12   87  .1  30  11  298
     3.26   8   5   5   1  27   1   2   2  73  .38  .09   8  44  .57  94  .09   2 1.58  .01  .05   1
496  5086323  605148 5740145845244  93A12                                                    2  23  12  120  .3  21  10  290
     3.28   6   5   5   1  26   1   2   2  71  .32  .17   8  42  .47 109  .06   3 1.53  .01  .05   1
497  5086323  605149 5740835845318  93A12                                                    1  36   9   88  .1  28  12  402
     3.84   8   5   5   2  34   1   2   2  86  .41  .14  10  55  .71  78  .10   5 1.63  .01  .05   1
498  5086323  605150 5741515845394  93A12                                                    1  41   9   85  .2  35  16  339
     4.04  12   5   5   1  28   1   2   2  89  .37  .05   6  54  .62  82  .10   5 2.08  .01  .04   1
499  8086323  604023 5754165845630  93A12                                                    1  87   4   73  .2  54  23  901
     4.89  12   5   5   1  60   1   2   2 133 1.95  .08   2  80 2.45 129  .24   3 2.56  .08  .05   1
500  8086323  605111 5754775844426  93A12                                                    9  89  10  114  .4  17  15  633
     4.77  77   5  10   2  50   1   2   2 118  .73  .10   8  45 1.64  99  .32   8 2.24  .08  .11   1
501  5086324  604100 5758995844312  93A12        4  20BF    MREBR  20S                       1  37  15  142  .5  27  13  336
     4.84  15   5   5   1  33   1   2   2 102  .29  .17   4  48  .59 139  .05   9 2.03  .01  .07   1
502  5086324  604101 5759345844347  93A12        5  30BM    LBR    40S                       1  36  10  147  .3  30  11  365
     3.40   8   5   5   2  34   1   2   2  74  .38  .06  11  48  .64  84  .10   6 1.70  .01  .07   1
503  5086324  604102 5759735844386  93A12        4  30BG    MGYBR  40S                       1  30   7  132  .3  35   9  205
     2.58   8   5   5   1  29   1   2   3  70  .38  .05   9  45  .71 118  .09   5 2.49  .01  .07   1
504  5086324  604104 5760445844454  93A12        4  30BG    MGYBR  50S                       3  39   8  124  .3  24  12  281
     4.19  11   5   5   1  30   1   2   2 115  .34  .04   5  43  .71  87  .09   6 2.35  .01  .05   1
505  5086324  604105 5760775844492  93A12        7  25BF    MREBR  20S                       3  52  13  110  .4  65  22  416
     6.56  18   5   5   2  36   1   2   2 133  .40  .05   6  84 1.05 159  .12   4 3.01  .01  .06   1
506  5086324  604106 5761105844525  93A12        5  25BF    MREBR  20S                       2  51   8   99  .3  40  14  485
     3.79   9   5   5   2  43   1   2   2  84  .52  .04  13  64  .87  98  .10   5 1.92  .02  .07   1
507  5086324  604107 5765035844342  93A12        7  50BG    MGYBR  70S                       2  69  10   99  .5  46  21  891
     4.56  28   5   5   2  52   1   2   3  97  .71  .07  11  66 1.00 130  .10   6 1.81  .02  .10   1
508  5086324  604108 5764685844307  93A12        5  30BG    BGYBR  20S                       3  73  16   75  .4  54  22  978
     5.00  23   5  10   3  46   1   2   3 102  .65  .03  10  80  .97 121  .11   7 1.93  .02  .11   1
509  5086324  604109 5764375844271  93A12        7  35BG    MGYBR  50S                       1  30  11  162  .5  28  13  377
     4.24  12   5   5   1  32   1   2   2  86  .38  .15   6  52  .56 105  .08   7 1.85  .01  .08   1
510  5086324  604110 5763995844233  93A12        4  30BM    MOLBR  30S                       1  31   8  254  .2  35  15  435
     4.50  12   5   5   2  33   1   2   2  85  .42  .23   7  57  .80 140  .10   8 2.21  .01  .09   1
511  5086324  604111 5763645844200  93A12        4  28BM    MOLBR  50S                       1  42   7  147  .3  54  15  423
     4.37  10   5   5   2  37   1   2   4  93  .51  .17   7  69 1.19  81  .13   5 2.28  .01  .08   1
512  5086324  604112 5763285844165  93A12        4  20BF    MORBR  40S                       2  44  11   83  .2  62  15  519
     4.14  10   5   5   2  51   1   2   2  92  .75  .03   8  74 1.36 101  .13   4 2.40  .02  .07   1
513  5086324  604113 5762955844129  93A12        5  45BT    MGYBR  90S                       3  79  11  129  .5  55  23  583
     6.18  28   5   5   1  67   1   2   2 126  .29  .13   2  49  .56 190  .01   9 3.29  .01  .09   1
514  5086324  604114 5762575844091  93A12        4  30BF    MREBR  70S                       2  26   9  266  .4  25  15  570
     4.83  11   5   5   1  31   1   3   2 107  .33  .14   2  54  .56 224  .07   5 2.44  .01  .09   3
515  5086324  604115 5762245844055  93A12        4  25BF    MREBR  30S                       1  32  11  198  .6  34  17  511
     4.90  14   5   5   1  29   1   2   2  96  .34  .16   3  57  .53 193  .07   6 2.48  .01  .09   1
516  5086324  604117 5768235844083  93A12        4  25BG    MGYBR  70S                       1  55  13  104  .3  52  17  572
     4.37  15   5   5   1  39   1   2   2  93  .62  .07   4  66  .95 128  .09   5 2.18  .01  .10   1
517  5086324  604118 5767885844047  93A12        5  40BG    MGYRB  50S                       2  90  16  122  .6  50  21 1215
     4.83  18   5   5   2  50   1   2   2 100  .63  .04   8  75  .99 118  .09   8 2.16  .02  .11   1
518  5086324  604119 5767545844012  93A12        5  30BT    MGYBR  30S                       1  40  10   93  .1  37  13  417
     3.35  13   5   5   2  41   1   2   3  81  .51  .04   6  57  .86 108  .10   5 1.67  .01  .07   1
519  5086324  604120 5767195843976  93A12        4  30BM    MOLBR  10S                       2  45   8  108  .3  36  13  397
     3.90  19   5   5   2  31   1   2   2  79  .29  .05   4  52  .67 118  .08   5 1.84  .01  .07   1
520  5086324  604121 5766855843941  93A12        4  25BF    MREBR  20S                       1  23   6  170  .2  28  12  329
     3.21  11   5   5   1  33   1   2   2  74  .32  .08   3  41  .53 117  .07   7 1.65  .01  .06   1
521  5086324  604122 5766505843905  93A12        4  40BM    MOLBR  70S                       1  33  18  164  .2  30  13  372
     3.62  11   5   5   2  39   1   3   2  80  .39  .08   3  41  .57  98  .08   7 1.64  .01  .08   1
522  5086324  604123 5766165843870  93A12        3  20BF    MREBR  10S                       1  19   2   95  .4  25  11  308
     3.26   8   5   5   1  24   1   2   2  73  .33  .12   3  47  .56  99  .08   3 1.64  .01  .06   1
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523  5086324  604124 5765815843834  93A12        7  30BM   MOLBR 10S          2  54  13  97  .2  45  17  726
     4.22  17   5   5   3  43   1  2  3  83 .44 .05   8  61 .97 126 .10   3 1.74 .01 .09   1
524  5086324  604125 5765475843799  93A12        4  40BF   MREBR 30S          2  51  16 120  .3  28  15  544
     4.92  19   5   5   1  43   1  2  2 126 .46 .06   2  43 .61 161 .03   6 2.18 .01 .07   1
525  5086324  604126 5763625843910  93A12        7  30BM   MOLBR 20S          2  91  12  70  .5  36  16  470
     3.89  18   5   5   1  35   1  3  2  85 .39 .04   4  57 .59 118 .07   6 2.05 .01 .06   1
526  5086324  604127 5763975843945  93A12        5  35BG   MGYBR 50S          2  67  14  94  .3  35  16  590
     4.27  15   5  70   1  38   1  2  2  94 .42 .07   2  47 .68 121 .07   5 1.67 .01 .06   1
527  5086324  604128 5764325843981  93A12        4  30BF   MREBR 60S          1  28  13 192  .4  25  13  850
     4.30  13   5   5   1  33   1  2  2  98 .30 .12   2  50 .49 323 .04   3 1.93 .01 .11   1
528  5086324  604129 5764675844017  93A12        5  35BG   MGYBR 30S          1  34   9  84  .3  40  13  353
     3.56  12   5   5   2  35   1  2  2  82 .39 .09   3  52 .77 104 .11   4 1.65 .01 .07   1
529  5086324  604130 5765025844053  93A12        5  30BF   MREBR 30S          1  34  12 149  .3  46  13  340
     4.31  12   5   5   2  33   1  2  2  83 .41 .20   2  61 .82  98 .09   6 2.13 .01 .09   1
530  5086324  604131 5765375844088  93A12        7  30BG   MGYBR 40S          1  32  11 102  .1  35   9  274
     2.73   8   5   5   2  31   1  2  2  62 .34 .04   9  50 .81  78 .11   2 1.82 .01 .06   1
531  5086324  604132 5765725844124  93A12        5  25BF   MREBR 50S          1  26   6  97  .2  24  10  255
     2.91   9   5   5   2  34   1  2  2  68 .37 .03   6  42 .49 105 .07   4 1.67 .01 .05   1
532  5086324  604133 5766175844160  93A12        5  30BG   MGYBR 50S          1  35   7 169  .3  26  14  481
     3.66  15   5   5   1  37   1  2  2  80 .45 .11   2  44 .60 117 .07   6 1.63 .01 .09   1
533  5086324  604134 5766425844196  93A12        7  35BT   LGYBR 10S          1  48   9 127  .6  33  15  377
     4.10  16   5   5   1  53   1  2  2  80 .63 .05   7  46 .77 123 .08   2 1.88 .01 .09   1
534  5086324  606001 5768975843555  93A12        5  20BM   MBR   50S          2  68  11 172  .3  50  19  558
     4.88  12   5   5   1  43   1  3  3 106 .47 .10  13  51 1.02 119 .07   3 2.40 .01 .07   1
535  5086324  606002 5769285843593  93A12        5  15BF   MREBR 50S          1  26   2 188  .3  22  13  899
     4.50   5   5   5   1  26   2  2  2  96 .27 .21  11  50 .52 127 .08   2 1.89 .01 .06   1
536  5086324  606003 5769635843629  93A12        5  20BF   MREBR  5S          1  50   9 116  .4  35  15  544
     3.88   6   5   5   1  33   1  3  2  81 .41 .04  15  52 .57 111 .06   4 1.82 .01 .06   1
537  5086324  606004 5769965843664  93A12        5  30BM   LOLBR 40S          1  50   9  69  .3  38  14  559
     3.79   8   5   5   2  40   1  2  2  82 .52 .03  18  56 .80 120 .10   2 1.84 .02 .06   1
538  5086324  606005 5770345843705  93A12        4  40BF   MREBR 60S          1  40  12 180  .3  29  13  440
     4.93   9   5   5   1  26   1  2  3  96 .32 .20  10  49 .63 166 .05   3 2.00 .01 .07   1
539  5086324  606006 5770675843738  93A12        3  10BF   MREBR 10R          1  59   8  92  .2  38  16  373
     4.07   9   5   5   1  31   1  2  2  85 .33 .08   9  53 .67 168 .05   4 1.78 .01 .05   1
540  5086324  606007 5771035843776  93A12        5  15BF   MREBR 60R          2  58   5 141  .2  42  21  587
     5.92  17   5   5   1  39   1  2  2 118 .46 .07   9  64 .77 149 .06   3 2.23 .01 .08   1
541  5086324  606008 5771335843811  93A12        4  25BG   DBR    0           2 147  12 101 1.4  54  19 1046
     4.73  20   5   5   1 107   2  2  3  85 2.21 .14  22  71 .72 234 .03   3 2.04 .01 .08   1
542  5086324  606009 5771665843847  93A12        5  60BM   MOLBR 40S          1  37   7  91  .2  24  12  398
     2.91   7   5   5   1  35   1  2  3  68 .43 .06   9  43 .48 114 .07   2 1.07 .01 .04   1
543  5086324  606011 5772405843921  93A12        5  15BF   MREBR 20S          2  32   8  85  .3  25  10  212
     3.53  10   5   5   1  27   1  2  2  77 .25 .09  10  43 .48 103 .06   3 1.42 .01 .05   1
544  5086324  606012 5772705843954  93A12        5  35BF   MREBR 20S          2  33   4 124  .2  28  12  336
     3.69  13   5   5   1  32   1  2  3  81 .32 .09   9  44 .49 115 .06   3 1.44 .01 .04   1
545  5086324  606013 5773065843989  93A12        5  20BF   MREBR 30S          3  45   8 122  .3  32  13  272
     3.89  17   5   5   1  39   1  2  2  76 .34 .14   9  47 .55 145 .05   4 1.44 .01 .06   1
546  5086324  606014 5773425844025  93A12        5  25BF   MREBR 20S          2  45   8 114  .3  28  12  301
     3.81  15   5   5   1  42   1  2  3  80 .36 .14   9  46 .55 132 .05   4 1.29 .01 .06   1
547  5086324  606015 5773755844063  93A12        5  25BM   MOLBR 20S          1  27  11 114  .3  22  10  232
     3.35   7   5   5   1  32   1  3  2  78 .26 .11  10  44 .39 136 .06   2 1.22 .01 .07   1
548  8086324  604116 5751655843557  93A12        4  25BF   MREBR 50S          1  80  17  94  .4  18  19  862
     5.38   3   7   5   2  43   1  2  2 173 2.90 .11   2  30 1.64  42 .36  11 2.80 .05 .08   1
549  1086325  605044 5783505840847  93A12                                    1  50  20 142  .2  30  17 2685
     5.11  18   5   5   1  52   1  2  2  95 .82 .11   3  45 .62 232 .04  10 1.39 .02 .06   1
550  5086325  605001 5787975841264  93A12                                    1  32   5 106  .1  34  12  352
     3.54  10   5   5   3  39   1  2  2  73 .39 .09  11  49 .81 118 .10   4 1.74 .01 .05   1
551  5086325  605002 5788355841297  93A12                                    1  41   8 108  .3  28  11  402
     3.80  23   5   5   1  67   1  2  3  75 .27 .09  12  43 .61 211 .05   4 1.54 .01 .06   1
```

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 17.793/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

CU

INTERVAL PPM		%	C%
0.75			
5.20		0.0	0.0
9.65		0.0	0.0
14.10		0.0	0.0
18.55		0.0	0.0
22.99	**	2.1	2.1
27.44	**********	10.4	12.5
31.89	********	8.3	20.8
36.34	******************	18.8	39.6
40.79	**********	10.4	50.0
45.23	**********	10.4	60.4
49.68	**	2.1	62.5 ****M***
54.13	************	12.5	75.0
58.58	****	4.2	79.2
63.03	**	2.1	81.2
67.47	**	2.1	83.3
71.92	****	4.2	87.5
76.37	**	2.1	89.6
80.82	****	4.2	93.7
85.27		0.0	93.7
89.72		0.0	93.7
94.16	****	4.2	97.9
98.61		0.0	97.9
103.06		0.0	97.9
107.51		0.0	97.9

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.163/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

CU

INTERVAL PPM		%	C%
13.70			
15.05		0.0	0.0
16.53		0.0	0.0
18.15		0.0	0.0
19.93	**	2.1	2.1
21.89		0.0	2.1
24.04	**	2.1	4.2
26.40	******	6.3	10.4
28.99	****	4.2	14.6
31.84	******	6.3	20.8
34.97	**************	14.6	35.4
38.40	********	8.3	43.7
42.17	********	8.3	52.1
46.31	********	8.3	60.4
50.86	******	6.3	66.7
55.85	**********	10.4	77.1
61.33	****	4.2	81.2
67.36	**	2.1	83.3
73.97	******	6.3	89.6
81.23	****	4.2	93.7
89.21		0.0	93.7
97.97	****	4.2	97.9
107.59		0.0	97.9
118.15		0.0	97.9
129.75		0.0	97.9

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 3.094/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

PB

INTERVAL PPM		%	C%	
0.92		0.0	0.0	
1.69	****	4.2	4.2	
2.47		0.0	4.2	
3.24	**	2.1	6.2	
4.01		0.0	6.2	
4.79	**	2.1	8.3	
5.56	****	4.2	12.5	
6.33	********	8.3	20.8	
7.11		0.0	20.8	
7.88	**********	16.7	37.5	
8.65	**********	10.4	47.9	
9.43	******	6.3	54.2	
10.20		0.0	54.2	****M***
10.97	**********	14.6	68.7	
11.75	********	8.3	77.1	
12.52	********	8.3	85.4	
13.29	**	2.1	87.5	
14.07		0.0	87.5	
14.84	**	2.1	89.6	
15.61	******	6.3	95.8	
16.39	**	2.1	97.9	
17.16		0.0	97.9	
17.93	**	2.1	100.0	
18.71		0.0	100.0	
19.48				

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.142/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

PB

INTERVAL PPM		%	C%
3.69	**	2.1	6.2
4.00		0.0	6.2
4.34		0.0	6.2
4.72	**	2.1	8.3
5.12		0.0	8.3
5.55	****	4.2	12.5
6.03		0.0	12.5
6.54	********	8.3	20.8
7.10		0.0	20.8
7.71	**********	16.7	37.5
8.37	**********	10.4	47.9
9.08		0.0	47.9
9.86	******	6.3	54.2
10.70	**********	14.6	68.7
11.61	********	8.3	77.1
12.61	********	8.3	85.4
13.68	**	2.1	87.5
14.85	********	8.3	95.8
16.12	**	2.1	97.9
17.50	**	2.1	100.0
18.99		0.0	100.0
20.61		0.0	100.0
22.37		0.0	100.0
24.28		0.0	100.0
26.36			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 34.231/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

ZN

INTERVAL PPM		%	C%	
19.20				
27.75		0.0	0.0	
36.31		0.0	0.0	
44.87		0.0	0.0	
53.43		0.0	0.0	
61.99		0.0	0.0	
70.54	****	4.2	4.2	
79.10	**	2.1	6.2	
87.66	******	6.3	12.5	
96.22	**********	12.5	25.0	
104.78	**************	14.6	39.6	
113.33	****	4.2	43.7	
121.89	********	8.3	52.1	
130.45	**********	12.5	64.6	****M***
139.01	**	2.1	66.7	
147.56	********	8.3	75.0	
156.12	**	2.1	77.1	
164.68	****	4.2	81.2	
173.24	******	6.3	87.5	
181.80	**	2.1	89.6	
190.35	**	2.1	91.7	
198.91	****	4.2	95.8	
207.47		0.0	95.8	
216.03		0.0	95.8	
224.59		0.0	95.8	

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.120/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

ZN

INTERVAL PPM		%	C%
51.27			
54.94		0.0	0.0
58.87		0.0	0.0
63.07		0.0	0.0
67.58		0.0	0.0
72.41	****	4.2	4.2
77.59	**	2.1	6.2
83.13	**	2.1	8.3
89.07	****	4.2	12.5
95.44	**********	12.5	25.0
102.26	**********	12.5	37.5
109.57	****	4.2	41.7
117.40	********	8.3	50.0
125.79	**********	10.4	60.4
134.78	******	6.3	66.7
144.42	****	4.2	70.8
154.74	******	6.3	77.1
165.80	****	4.2	81.2
177.65	******	6.3	87.5
190.35	****	4.2	91.7
203.95	****	4.2	95.8
218.53		0.0	95.8
234.15		0.0	95.8
250.88		0.0	95.8
268.82	****	4.2	100.0

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.122/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

AG

INTERVAL PPM		%	C%	
0.02		0.0	0.0	
0.05		0.0	0.0	
0.08	****	4.2	4.2	
0.11		0.0	4.2	
0.14		0.0	4.2	
0.17	**********	20.8	25.0	
0.20		0.0	25.0	
0.23		0.0	25.0	
0.26		0.0	25.0	
0.29	**********	41.7	66.7	
0.33		0.0	66.7	****M***
0.36		0.0	66.7	
0.39	*******	14.6	81.2	
0.42		0.0	81.2	
0.45		0.0	81.2	
0.48	*****	10.4	91.7	
0.51		0.0	91.7	
0.54		0.0	91.7	
0.57	***	6.3	97.9	
0.60		0.0	97.9	
0.63		0.0	97.9	
0.66		0.0	97.9	
0.69		0.0	97.9	
0.72		0.0	97.9	
0.75				

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.144/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

AG

INTERVAL PPM		%	C%
0.12			
0.13		0.0	4.2
0.14		0.0	4.2
0.15		0.0	4.2
0.16		0.0	4.2
0.18		0.0	4.2
0.19		0.0	4.2
0.21	**********	20.8	25.0
0.23		0.0	25.0
0.25		0.0	25.0
0.27		0.0	25.0
0.29		0.0	25.0
0.32	**********	41.7	66.7
0.35		0.0	66.7
0.37		0.0	66.7
0.41	*******	14.6	81.2
0.44		0.0	81.2
0.48		0.0	81.2
0.52	*****	10.4	91.7
0.57		0.0	91.7
0.62	***	6.3	97.9
0.67		0.0	97.9
0.73		0.0	97.9
0.79		0.0	97.9
0.86		0.0	97.9

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.729/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

AU

INTERVAL PPM		%	C%	
2.92		0.0	0.0	
3.10		0.0	0.0	
3.28		0.0	0.0	
3.47		0.0	0.0	
3.65		0.0	0.0	
3.83		0.0	0.0	
4.01		0.0	0.0	
4.19		0.0	0.0	
4.38		0.0	0.0	
4.56		0.0	0.0	
4.74		0.0	0.0	
4.92	**********	95.8	95.8	
5.11		0.0	95.8	****M****
5.29		0.0	95.8	
5.47		0.0	95.8	
5.65		0.0	95.8	
5.84		0.0	95.8	
6.02		0.0	95.8	
6.20		0.0	95.8	
6.38		0.0	95.8	
6.57		0.0	95.8	
6.75		0.0	95.8	
6.93		0.0	95.8	
7.11		0.0	95.8	
7.29				

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.044/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

AU

INTERVAL PPM		%	C%
3.74		0.0	0.0
3.84		0.0	0.0
3.94		0.0	0.0
4.04		0.0	0.0
4.14		0.0	0.0
4.25		0.0	0.0
4.36		0.0	0.0
4.47		0.0	0.0
4.59		0.0	0.0
4.70		0.0	0.0
4.82		0.0	0.0
4.95	**********	95.8	95.8
5.07		0.0	95.8
5.20		0.0	95.8
5.34		0.0	95.8
5.47		0.0	95.8
5.62		0.0	95.8
5.76		0.0	95.8
5.91		0.0	95.8
6.06		0.0	95.8
6.21		0.0	95.8
6.37		0.0	95.8
6.54		0.0	95.8
6.70		0.0	95.8
6.88			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 176.658/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

MN

INTERVAL PPM		%	C%
16.69		0.0	2.1
60.85		0.0	2.1
105.02		0.0	2.1
149.18		0.0	2.1
193.35	******	6.3	8.3
237.51	********	8.3	16.7
281.67	****	4.2	20.8
325.84	**********	12.5	33.3
370.00	**********	12.5	45.8
414.17	*********	10.4	56.2
458.33	******	6.3	62.5 ****M***
502.50	********	8.3	70.8
546.66	**************	14.6	85.4
590.83		0.0	85.4
634.99		0.0	85.4
679.16		0.0	85.4
723.32	**	2.1	87.5
767.48		0.0	87.5
811.65	**	2.1	89.6
855.81	******	6.3	95.8
899.98		0.0	95.8
944.14	**	2.1	97.9
988.31		0.0	97.9
1032.47	**	2.1	100.0
1076.64			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.175/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

MN

INTERVAL PPM		%	C%
132.81		0.0	0.0
146.87		0.0	0.0
162.42		0.0	0.0
179.61		0.0	0.0
198.62	****	4.2	4.2
219.65	**	2.1	6.2
242.89	**	2.1	8.3
268.60	******	6.3	14.6
297.04	****	4.2	18.7
328.48	**********	10.4	29.2
363.24	**************	14.6	43.7
401.69	**********	10.4	54.2
444.21	******	6.3	60.4
491.23	****	4.2	64.6
543.23	******************	18.8	83.3
600.73		0.0	83.3
664.31	**	2.1	85.4
734.63		0.0	85.4
812.39	******	6.3	91.7
898.38	****	4.2	95.8
993.47	**	2.1	97.9
1098.62		0.0	97.9
1214.91	**	2.1	100.0
1343.51		0.0	100.0
1485.71			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.667/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

FE

INTERVAL PPM		%	C%	
2.05		0.0	2.1	
2.21		0.0	2.1	
2.38		0.0	2.1	
2.55	**	2.1	4.2	
2.71	**	2.1	6.2	
2.88	****	4.2	10.4	
3.05	**	2.1	12.5	
3.21	******	6.3	18.7	
3.38	****	4.2	22.9	
3.55	********	8.3	31.2	
3.71	******	6.3	37.5	
3.88	********	8.3	45.8	
4.05	********	8.3	54.2	****M***
4.21	**************	14.6	68.7	
4.38	****	4.2	72.9	
4.55	**	2.1	75.0	
4.71	**********	10.4	85.4	
4.88	********	8.3	93.7	
5.05		0.0	93.7	
5.21	**	2.1	95.8	
5.38		0.0	95.8	
5.55		0.0	95.8	
5.71		0.0	95.8	
5.88	**	2.1	97.9	
6.05				

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.069/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

FE

INTERVAL PPM		%	C%
2.54	**	2.1	2.1
2.64	**	2.1	4.2
2.75		0.0	4.2
2.86	****	4.2	8.3
2.98		0.0	8.3
3.10	**	2.1	10.4
3.23	******	6.3	16.7
3.36	**	2.1	18.7
3.49	******	6.3	25.0
3.64	****	4.2	29.2
3.79	**************	14.6	43.7
3.94	****	4.2	47.9
4.10	********	8.3	56.2
4.27	**********	10.4	66.7
4.44	******	6.3	72.9
4.62	**	2.1	75.0
4.81	****************	16.7	91.7
5.01		0.0	91.7
5.21	**	2.1	93.7
5.43		0.0	93.7
5.65		0.0	93.7
5.88	**	2.1	95.8
6.12	**	2.1	97.9
6.37	**	2.1	100.0
6.63			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 4.413/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

AS

INTERVAL PPM		%	C%
0.21		0.0	2.1
1.31		0.0	2.1
2.42	**	2.1	4.2
3.52		0.0	4.2
4.62	**	2.1	6.2
5.73	**	2.1	8.3
6.83	****	4.2	12.5
7.93	******************	18.8	31.2
9.04	******	6.3	37.5
10.14	********	8.3	45.8
11.24	**********	10.4	56.2
12.35	******	6.3	62.5 ****M****
13.45	**	2.1	64.6
14.55	**********	10.4	75.0
15.66	**	2.1	77.1
16.76	******	6.3	83.3
17.86	******	6.3	89.6
18.97	******	6.3	95.8
20.07		0.0	95.8
21.17		0.0	95.8
22.28	**	2.1	97.9
23.38		0.0	97.9
24.48		0.0	97.9
25.59		0.0	97.9
26.69			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.159/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

AS

INTERVAL PPM		%	C%
4.18		0.0	2.1
4.58	**	2.1	4.2
5.02		0.0	4.2
5.50	**	2.1	6.2
6.02		0.0	6.2
6.60	****	4.2	10.4
7.23		0.0	10.4
7.93	**********	10.4	20.8
8.69	********	8.3	29.2
9.52	******	6.3	35.4
10.43	********	8.3	43.7
11.43	**********	10.4	54.2
12.53	******	6.3	60.4
13.73	************	12.5	72.9
15.05	**	2.1	75.0
16.49	************	12.5	87.5
18.07	****	4.2	91.7
19.80	**	2.1	93.7
21.70	**	2.1	95.8
23.78		0.0	95.8
26.06	****	4.2	100.0
28.56		0.0	100.0
31.30		0.0	100.0
34.30		0.0	100.0
37.59			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.120/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

CA

INTERVAL PPM		%	C%
0.05		0.0	0.0
0.08		0.0	0.0
0.11		0.0	0.0
0.14		0.0	0.0
0.17		0.0	0.0
0.20		0.0	0.0
0.23	****	4.2	4.2
0.27	********	8.3	12.5
0.30	********	8.3	20.8
0.33	**********	14.6	35.4
0.36	**********	10.4	45.8
0.39	**********	12.5	58.3
0.42	********	8.3	66.7 ****M***
0.45	********	8.3	75.0
0.48		0.0	75.0
0.51	********	8.3	83.3
0.54		0.0	83.3
0.57		0.0	83.3
0.60	**	2.1	85.4
0.63	******	6.3	91.7
0.66		0.0	91.7
0.69	**	2.1	93.7
0.72		0.0	93.7
0.75	**	2.1	95.8
0.78			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.117/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

CA

INTERVAL PPM		%	C%
0.18		0.0	0.0
0.19		0.0	0.0
0.20		0.0	0.0
0.22		0.0	0.0
0.23		0.0	0.0
0.25	****	4.2	4.2
0.27	**	2.1	6.2
0.29	********	8.3	14.6
0.31	******	6.3	20.8
0.33	**********	14.6	35.4
0.35	****	4.2	39.6
0.37	**********	14.6	54.2
0.40	********	8.3	62.5
0.43	******	6.3	68.7
0.46	******	6.3	75.0
0.49	********	8.3	83.3
0.52		0.0	83.3
0.56		0.0	83.3
0.60	******	6.3	89.6
0.64	**	2.1	91.7
0.69	**	2.1	93.7
0.73	**	2.1	95.8
0.79		0.0	95.8
0.84		0.0	95.8
0.90			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.048/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

P

INTERVAL PPM		%	C%
0.00		0.0	2.1
0.02		0.0	2.1
0.03	********	8.3	10.4
0.04	************************	25.0	35.4
0.05	******	6.3	41.7
0.06	********	8.3	50.0
0.08	******	6.3	56.2
0.09	******	6.3	62.5 ****M***
0.10	********	8.3	70.8
0.11	****	4.2	75.0
0.12	**	2.1	77.1
0.14	********	8.3	85.4
0.15	**	2.1	87.5
0.16	******	6.3	93.7
0.17		0.0	93.7
0.18		0.0	93.7
0.20	****	4.2	97.9
0.21	**	2.1	100.0
0.22	**	2.1	102.1
0.23		0.0	102.1
0.24		0.0	102.1
0.26		0.0	102.1
0.27		0.0	102.1
0.28		0.0	102.1
0.29			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.258/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

P

INTERVAL PPM		%	C%
0.01		0.0	0.0
0.02		0.0	0.0
0.02		0.0	0.0
0.02		0.0	0.0
0.02		0.0	0.0
0.03	********	8.3	8.3
0.03		0.0	8.3
0.04	**************	14.6	22.9
0.04	**********	10.4	33.3
0.05		0.0	33.3
0.06	******	6.3	39.6
0.07	********	8.3	47.9
0.08	************	12.5	60.4
0.09	**	2.1	62.5
0.11	**********	10.4	72.9
0.12	**********	10.4	83.3
0.14	****	4.2	87.5
0.17	****	4.2	91.7
0.19	******	6.3	97.9
0.22	**	2.1	100.0
0.26		0.0	100.0
0.30		0.0	100.0
0.35		0.0	100.0
0.40		0.0	100.0
0.47			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

Execution terminated 01:21:34 T=0.866 RC=0 $2.22

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 9.197/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

CR

INTERVAL PPM		%	C%
25.10			
		0.0	0.0
27.40			
		0.0	0.0
29.70			
	**	2.1	2.1
32.00			
		0.0	2.1
34.29			
		0.0	2.1
36.59			
		0.0	2.1
38.89			
	****	4.2	6.2
41.19			
	**********	10.4	16.7
43.49			
	********	8.3	25.0
45.79			
	**************	14.6	39.6
48.09			
	**********	10.4	50.0
50.39			
	**********	10.4	60.4
52.69			
	****	4.2	64.6 ****M***
54.99			
	**********	10.4	75.0
57.29			
		0.0	75.0
59.59			
	****	4.2	79.2
61.89			
	****	4.2	83.3
64.18			
	****	4.2	87.5
66.48			
		0.0	87.5
68.78			
	****	4.2	91.7
71.08			
		0.0	91.7
73.38			
	****	4.2	95.8
75.68			
		0.0	95.8
77.98			
	**	2.1	97.9
80.28			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.072/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

CR

INTERVAL PPM		%	C%
31.50			
		0.0	2.1
32.84			
		0.0	2.1
34.24			
		0.0	2.1
35.70			
		0.0	2.1
37.22			
		0.0	2.1
38.80			
		0.0	2.1
40.46			
	******	6.3	8.3
42.18			
	********	8.3	16.7
43.98			
	********	8.3	25.0
45.85			
	**********	10.4	35.4
47.80			
	********	8.3	43.7
49.83			
	********	8.3	52.1
51.96			
	************	12.5	64.6
54.17			
	**	2.1	66.7
56.47			
	********	8.3	75.0
58.88			
	****	4.2	79.2
61.39			
		0.0	79.2
64.00			
	********	8.3	87.5
66.72			
	**	2.1	89.6
69.56			
	**	2.1	91.7
72.53			
	****	4.2	95.8
75.61			
		0.0	95.8
78.83			
	**	2.1	97.9
82.19			
	**	2.1	100.0
85.69			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.188/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

MG

INTERVAL PPM		%	C%
0.13		0.0	2.1
0.18		0.0	2.1
0.23		0.0	2.1
0.28		0.0	2.1
0.32		0.0	2.1
0.37	**	2.1	4.2
0.42		0.0	4.2
0.46	**********	10.4	14.6
0.51	**********	10.4	25.0
0.56	**********	18.8	43.7
0.60	******	6.3	50.0
0.65	******	6.3	56.2
0.70	******	6.3	62.5 ****M***
0.75	******	6.3	68.7
0.79	********	8.3	77.1
0.84	****	4.2	81.2
0.89		0.0	81.2
0.93	******	6.3	87.5
0.98	******	6.3	93.7
1.03	**	2.1	95.8
1.07		0.0	95.8
1.12		0.0	95.8
1.17	**	2.1	97.9
1.21		0.0	97.9
1.26			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.113/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

MG

INTERVAL PPM		%	C%
0.31		0.0	0.0
0.33		0.0	0.0
0.35		0.0	0.0
0.38	**	2.1	2.1
0.40		0.0	2.1
0.43		0.0	2.1
0.46	****	4.2	6.2
0.49	********	8.3	14.6
0.52	********	8.3	22.9
0.56	**********	16.7	39.6
0.59	******	6.3	45.8
0.63	******	6.3	52.1
0.67	********	8.3	60.4
0.72		0.0	60.4
0.77	**********	14.6	75.0
0.82	****	4.2	79.2
0.88		0.0	79.2
0.93	********	8.3	87.5
1.00	******	6.3	93.7
1.06		0.0	93.7
1.14	**	2.1	95.8
1.21		0.0	95.8
1.29	**	2.1	97.9
1.38		0.0	97.9
1.47			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 28.621/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

BA

INTERVAL PPM		%	C%
34.80		0.0	0.0
41.96	**	2.1	2.1
49.12		0.0	2.1
56.27		0.0	2.1
63.43		0.0	2.1
70.58		0.0	2.1
77.74	******	6.3	8.3
84.89	**	2.1	10.4
92.05	********	8.3	18.7
99.20	**********	10.4	29.2
106.36	****	4.2	33.3
113.51	********************	20.8	54.2
120.67	**********	10.4	64.6 ****M***
127.82	******	6.3	70.8
134.98	******	6.3	77.1
142.13	****	4.2	81.2
149.29		0.0	81.2
156.44	****	4.2	85.4
163.60	****	4.2	89.6
170.75		0.0	89.6
177.91		0.0	89.6
185.06	**	2.1	91.7
192.22	**	2.1	93.7
199.37		0.0	93.7
206.53			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.098/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

BA

INTERVAL PPM		%	C%
61.75		0.0	2.1
65.33		0.0	2.1
69.13		0.0	2.1
73.14		0.0	2.1
77.38	****	4.2	6.2
81.88	**	2.1	8.3
86.63	**	2.1	10.4
91.66		0.0	10.4
96.98	**********	10.4	20.8
102.61	**********	10.4	31.2
108.56	****	4.2	35.4
114.87	**********************	22.9	58.3
121.53	********	8.3	66.7
128.59	******	6.3	72.9
136.05	****	4.2	77.1
143.95	****	4.2	81.2
152.31	****	4.2	85.4
161.15	****	4.2	89.6
170.50		0.0	89.6
180.40	**	2.1	91.7
190.87	**	2.1	93.7
201.95		0.0	93.7
213.68	**	2.1	95.8
226.08	**	2.1	97.9
239.20			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.026/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

TI

INTERVAL PPM		%	C%	
0.01	**	2.1	2.1	
0.01		0.0	2.1	
0.02		0.0	2.1	
0.03	****	4.2	6.2	
0.03		0.0	6.2	
0.04	**	2.1	8.3	
0.04	**********	10.4	18.7	
0.05		0.0	18.7	
0.06	**********	10.4	29.2	
0.06	******************	18.8	47.9	
0.07		0.0	47.9	
0.08	************	12.5	60.4	****M****
0.08	**********	10.4	70.8	
0.09		0.0	70.8	
0.10	**************	14.6	85.4	
0.10		0.0	85.4	
0.11	******	6.3	91.7	
0.12	**	2.1	93.7	
0.12		0.0	93.7	
0.13	****	4.2	97.9	
0.14		0.0	97.9	
0.14		0.0	97.9	
0.15		0.0	97.9	
0.16		0.0	97.9	
0.16				

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.148/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

TI

INTERVAL PPM		%	C%
0.03			
0.03		0.0	2.1
0.03	****	4.2	6.2
0.03		0.0	6.2
0.04		0.0	6.2
0.04	**	2.1	8.3
0.04		0.0	8.3
0.05		0.0	8.3
0.05	**********	10.4	18.7
0.06		0.0	18.7
0.06	**********	10.4	29.2
0.07		0.0	29.2
0.07	******************	18.8	47.9
0.08	************	12.5	60.4
0.09		0.0	60.4
0.10	**********	10.4	70.8
0.11	**************	14.6	85.4
0.11	******	6.3	91.7
0.12	**	2.1	93.7
0.14	****	4.2	97.9
0.15		0.0	97.9
0.16		0.0	97.9
0.18		0.0	97.9
0.19		0.0	97.9
0.21		0.0	97.9

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.345/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

AL

INTERVAL PPM		%	C%
0.89		0.0	0.0
0.98		0.0	0.0
1.06	**	2.1	2.1
1.15	**	2.1	4.2
1.23	**	2.1	6.2
1.32		0.0	6.2
1.41	******	6.3	12.5
1.49		0.0	12.5
1.58	**********	10.4	22.9
1.67	**********	10.4	33.3
1.75	********	8.3	41.7
1.84	************	12.5	54.2
1.93	******	6.3	60.4 ****M****
2.01	******	6.3	66.7
2.10	********	8.3	75.0
2.18	****	4.2	79.2
2.27	****	4.2	83.3
2.36	******	6.3	89.6
2.44	****	4.2	93.7
2.53		0.0	93.7
2.62		0.0	93.7
2.70		0.0	93.7
2.79	**	2.1	95.8
2.87		0.0	95.8
2.96			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.074/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

AL

INTERVAL PPM		%	C%
1.15		0.0	2.1
1.20	**	2.1	4.2
1.25	**	2.1	6.2
1.30		0.0	6.2
1.36		0.0	6.2
1.42	******	6.3	12.5
1.48		0.0	12.5
1.55		0.0	12.5
1.61	**********	16.7	29.2
1.68	****	4.2	33.3
1.76	********	8.3	41.7
1.83	**********	10.4	52.1
1.91	******	6.3	58.3
2.00	********	8.3	66.7
2.08	****	4.2	70.8
2.18	********	8.3	79.2
2.27	****	4.2	83.3
2.37	******	6.3	89.6
2.47	****	4.2	93.7
2.58		0.0	93.7
2.69	**	2.1	95.8
2.81		0.0	95.8
2.93	**	2.1	97.9
3.06		0.0	97.9
3.19			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

ARITHMETIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.015/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

K

INTERVAL PPM		%	C%
0.03		0.0	0.0
0.03		0.0	0.0
0.03		0.0	0.0
0.04	****	4.2	4.2
0.04		0.0	4.2
0.04		0.0	4.2
0.05	********	8.3	12.5
0.05		0.0	12.5
0.06		0.0	12.5
0.06	**********	22.9	35.4
0.06		0.0	35.4
0.07	**********	25.0	60.4
0.07		0.0	60.4 ****M***
0.07		0.0	60.4
0.08	**********	12.5	72.9
0.08		0.0	72.9
0.09		0.0	72.9
0.09	**********	16.7	89.6
0.09		0.0	89.6
0.10	****	4.2	93.7
0.10		0.0	93.7
0.10		0.0	93.7
0.11	******	6.3	100.0
0.11		0.0	100.0
0.12			

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

LOGARITHMIC VALUES
ZEROS OMITTED
INTERVAL(STDV/F) 0.094/ 4.0 NO.SAMPLES 48
SOIL SAMPLES - QUES CLAIMS - QUESNEL RIVER PROJ. 324

K

INTERVAL PPM		%	C%
0.04	****	4.2	4.2
0.04		0.0	4.2
0.04		0.0	4.2
0.04		0.0	4.2
0.05		0.0	4.2
0.05	********	8.3	12.5
0.05		0.0	12.5
0.06		0.0	12.5
0.06	**********	22.9	35.4
0.06		0.0	35.4
0.07		0.0	35.4
0.07	**********	25.0	60.4
0.07		0.0	60.4
0.08	**********	12.5	72.9
0.08		0.0	72.9
0.09	**********	16.7	89.6
0.09		0.0	89.6
0.10	****	4.2	93.7
0.10		0.0	93.7
0.11	******	6.3	100.0
0.11		0.0	100.0
0.12		0.0	100.0
0.13		0.0	100.0
0.13		0.0	100.0
0.14		0.0	100.0

0 10 20 30 40 50 60 70 80 90 100
% OF SAMPLES IN CLASS INTERVAL

Execution terminated 01:20:11 T=0.473 RC=0 $1.19

APPENDIX III

Affidavit of Expenses

AFFIDAVIT OF EXPENSES

This will certify that the work program covered by this report was carried out during the period July 11 to July 26, 1985 and from June 15 to June 20, 1986, on the QUES 1 Claim, Cariboo Mining Division, Maud Lake Map Area, British Columbia, to the value of the following:

Mobilization and Fieldwork

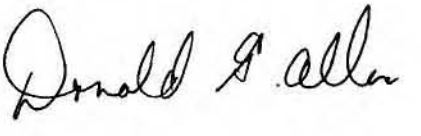
Contract Work (1985)	
W. Mitchell	$ 4,383.44
Coast Lesuire	1,760.00
Salaries	
D. Brownlee	2,000.00
J. Gravel	1,600.00
D. Sorenson	573.75
D. MacQuarrie	1,600.00
B. Stewart	300.00
Room and board	935.66
Geochemical Analysis	2,248.24
Telephone and Office Supplies	156.24
Material & supplies	329.38
Transportation	416.71

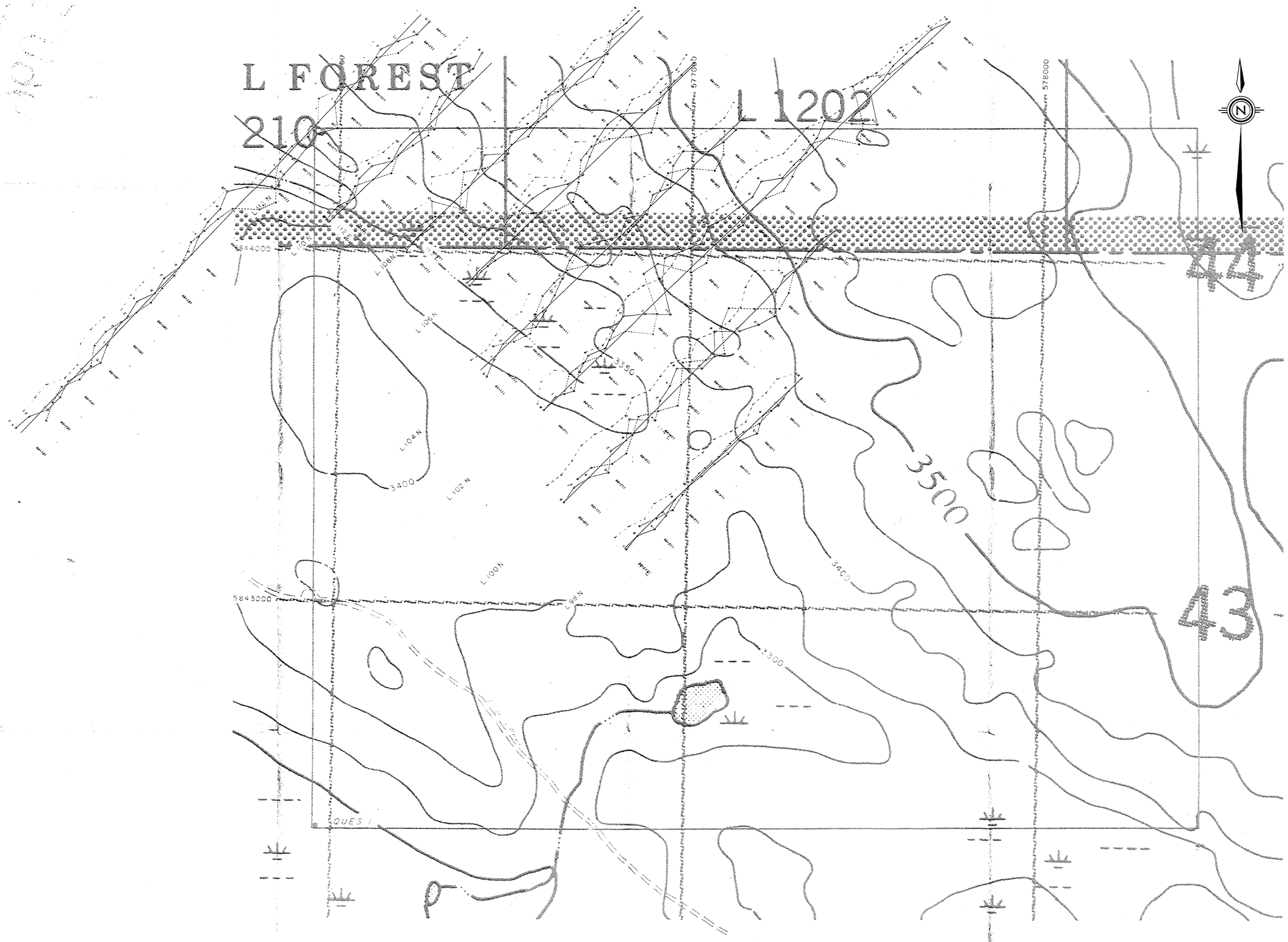
Report Preparation

Salaries	
G. Allen	400.00
D. MacQuarrie	80.00
J. Gravel	550.00
Computer Processing	905.49
Maps, Draughting,	1,409.55
Typing, Compilation, Photocopying	340.00
TOTAL	**$21,691.71**

* Exactly $8074.39 of these expenditures were incurred as a result of fieldwork performed on or before June 6, 1986, the Anniversary Date.

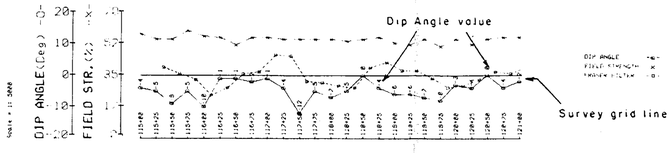
Donald G. Allen,
P. Eng. (B.C.)





LEGEND

Vertical scales
1cm = 10 deg.
= 17.5%



L98N — Survey grid line number.

NAME — Claim boundary, legal corner post.

3500 — Topographic contours, contour interval = 50 feet.

Lake, creek, swamp.

Logging road.

5839000 — U.T.M. grid line.

Instrument : Sabre model 27 VLF-EM Receiver.
Survey date : June, 1986.
Transmitter : Seattle, Annapolis.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,696

BUENA EXPLORATION LTD.
QUES I CLAIM
CARIBOO MINING DIVISION — BRITISH COLUMBIA

VLF-EM SURVEY

SCALE 200 0 500 0 200 METRES FEET
1 : 5,000

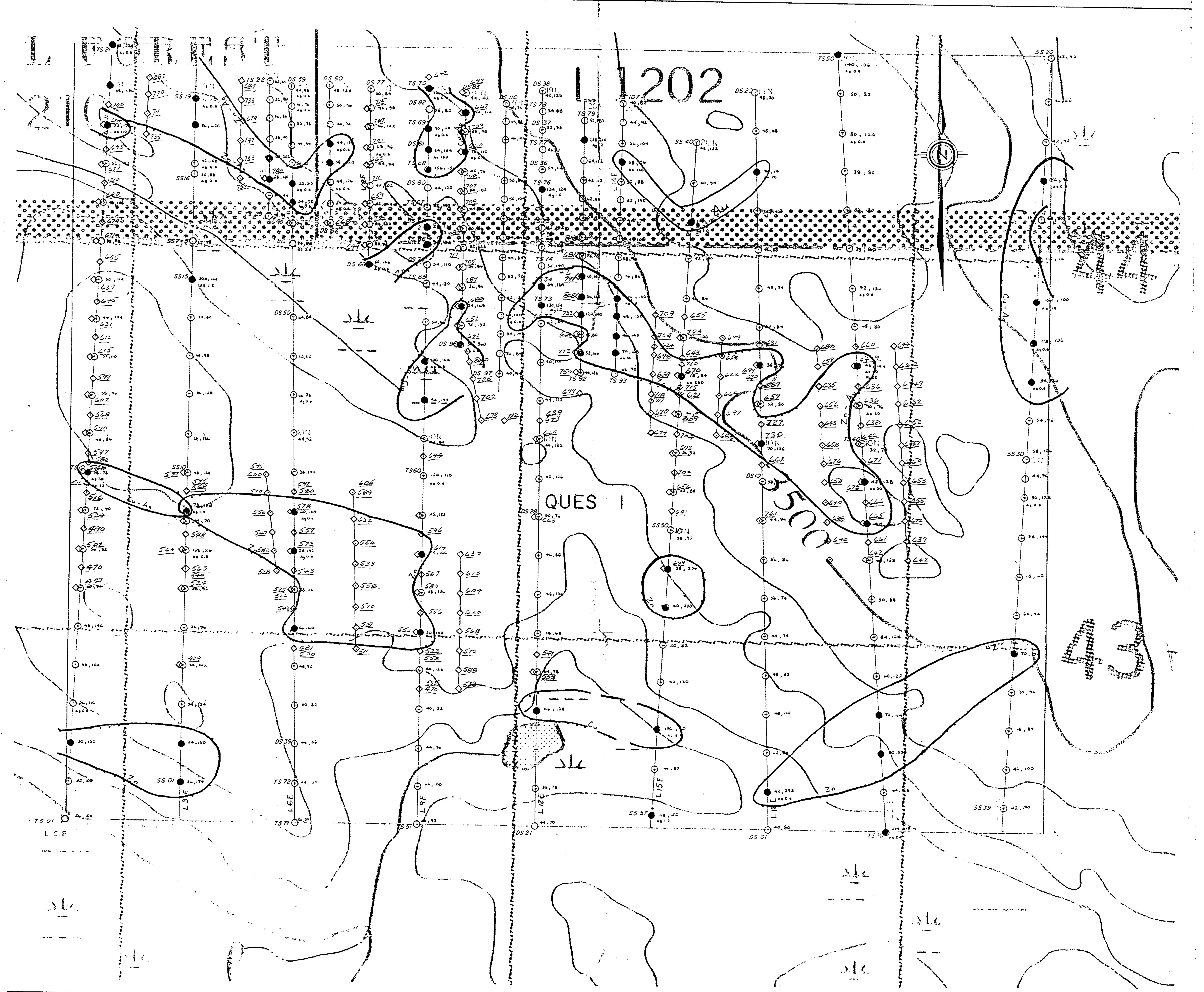
A-M exploration ltd

Donald G. Allen

July, 1986

N.T.S. 93A/12

FIGURE 6b



LEGEND

- Boundary of anomalous area, anomalous elements. ●
- Soil sample site, sample number; ppm Cu, ppm Zn.
- Silt sample site.
- Rock sample site.
- Survey grid line, line number.
- Pond, swamp.
- Creek
- Topographic contour, contour interval = 100 feet.
- Claim boundary, legal corner post.

◆ ANOMALOUS VALUES

◇ NEW SAMPLE SITE GEOCHEM AND/OR MAGNETOMETER

654 READINGS IN GAMMAS
BASE = 57,000 GAMMAS.

Note: Geochemical values for other elements plotted only where: ppm Ag ≥ 0.6; ppm Pb ≥ 20; ppb Au ≥ 20.

N.T.S 93 A/12

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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BUENA RESOURCES INC.
QUES CLAIM
CARIBOO MINING DIVISION - BRITISH COLUMBIA

GEOCHEMICAL MAP

MAGNETOMETER SURVEY

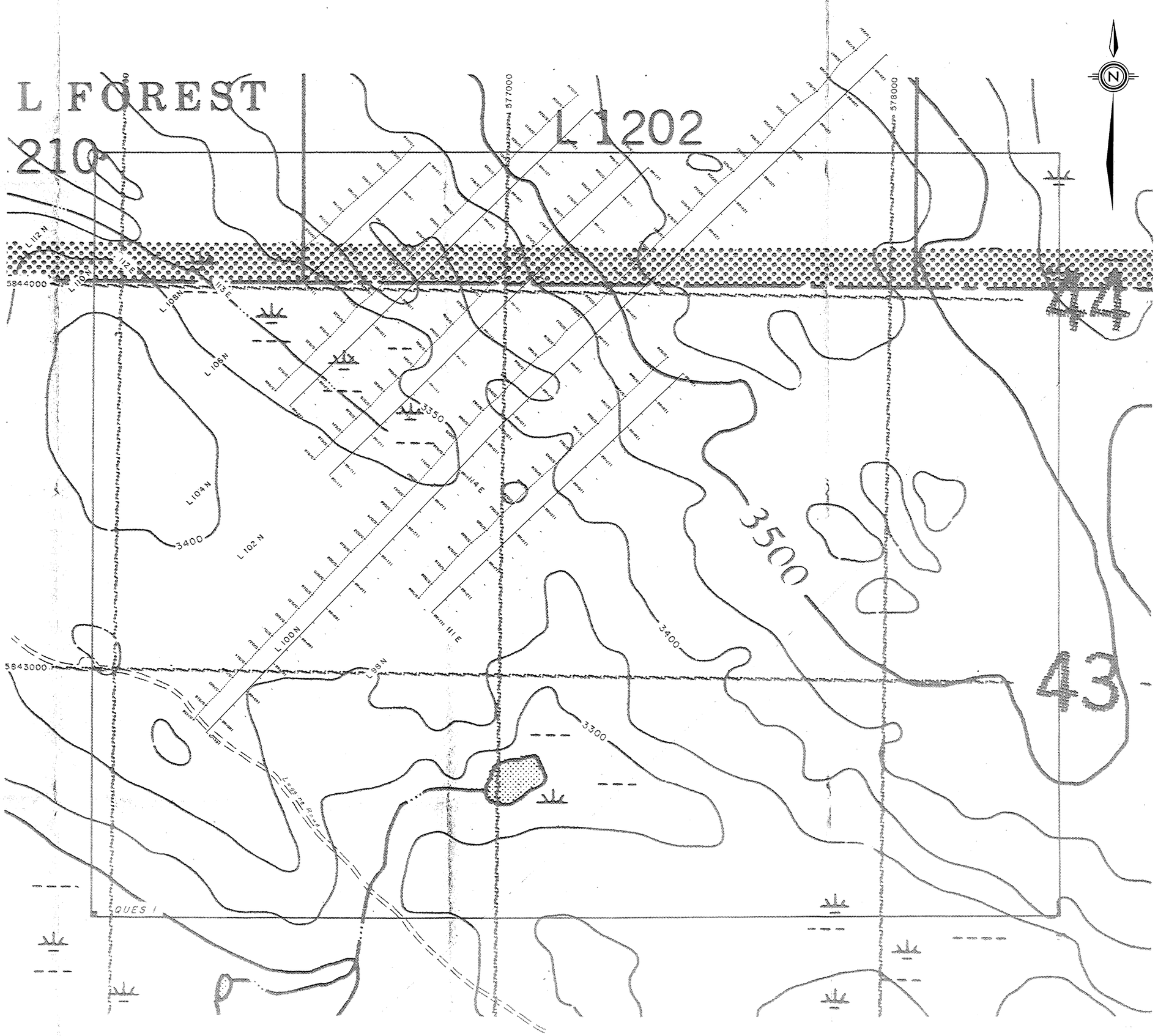
SCALE 1 : 5,000

A&M exploration ltd

Nov. 27, 1984

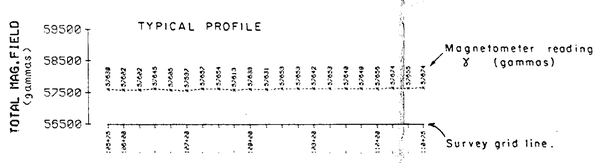
Figure 6

324



LEGEND

TYPICAL PROFILE



Vertical scale
1 cm = 1000 γ

L 98 N — *Survey grid line number.*

NAME — *Claim boundary, legal corner post.*

3500 — *Topographic contours, contour interval = 50 feet.*

Lake, creek, swamp.

Logging road.

5839000 — *U.T.M. grid line.*

Instrument : Scintrex MP-2 Magnetometer
Survey date : June, 1986.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,096

BUENA EXPLORATION LTD.
QUES I CLAIM
CARIBOO MINING DIVISION — BRITISH COLUMBIA

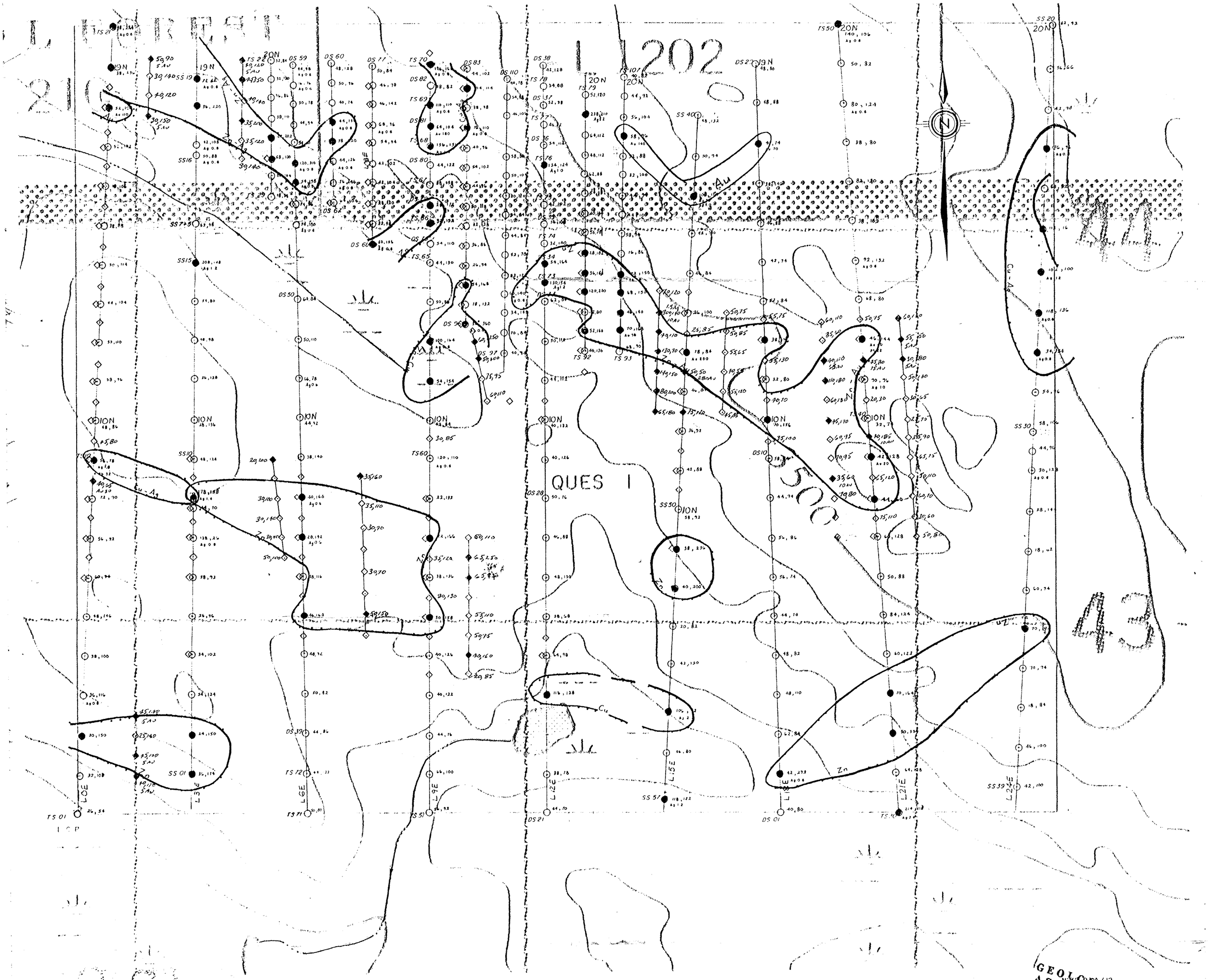
MAGNETIC SURVEY

SCALE 200 0 200 METRES / 500 0 500 FEET
1 : 5,000

A·M exploration ltd. Donald G. Allen

July, 1986 N.T.S. 93A/12

FIGURE 6a



LEGEND

- Boundary of anomalous area, anomalous elements.
- Soil sample site, sample number; ppm Cu, ppm Zn.
- Silt sample site.
- Rock sample site.
- L3E — Survey grid line, line number.
- Pond, swamp.
- Creek
- Topographic contour, contour interval = 100 feet.
- Claim boundary, legal corner post.

◆ ANOMALOUS VALUES

◇ NEW SAMPLE SITE GEOCHEM AND/OR MAGNETOMETER

Note: Geochemical values for other elements plotted only where: ppm Ag ≥ 0.6; ppm Pb ≥ 20; ppb Au ≥ 20.

GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,096

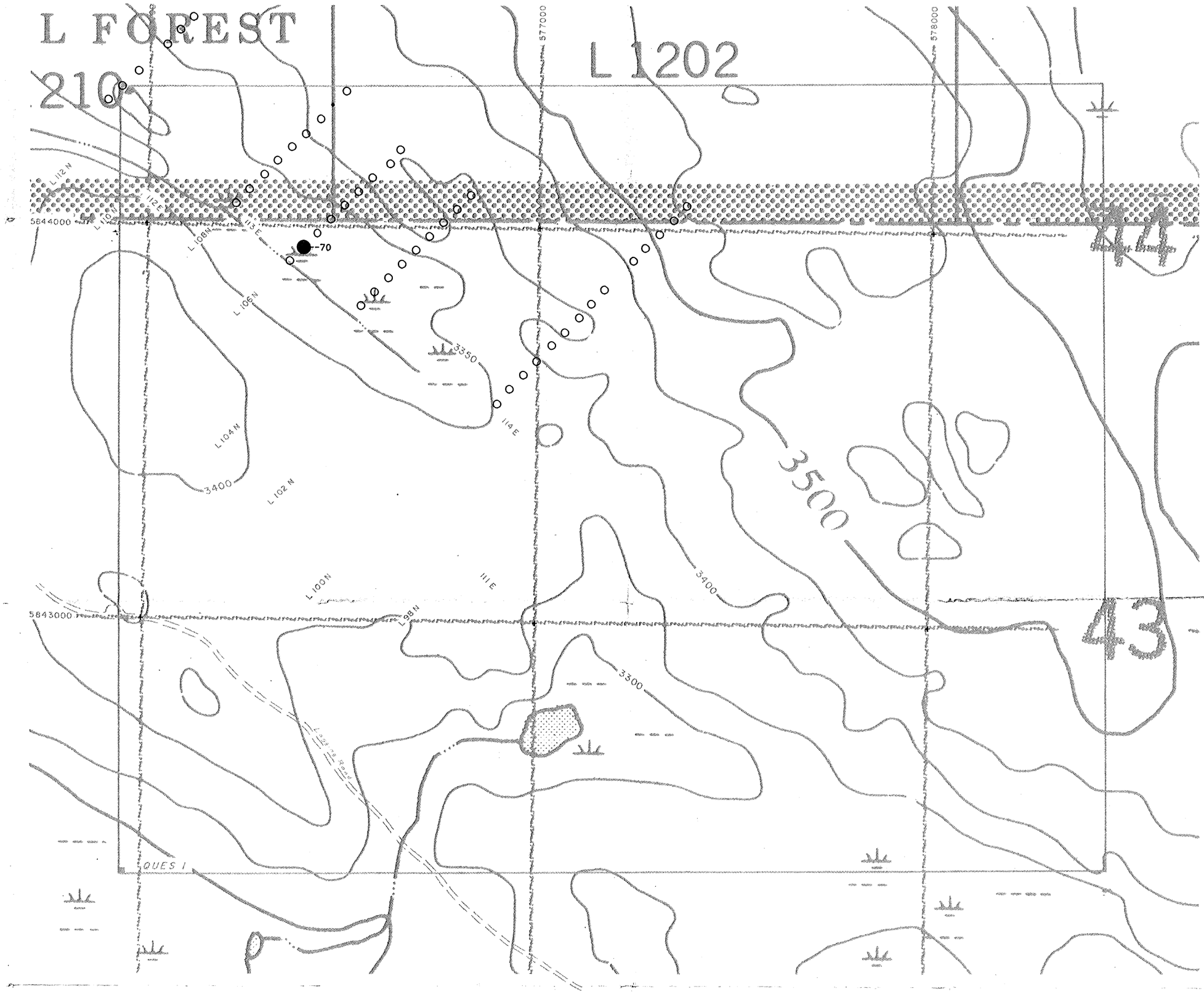
BUENA RESOURCES INC.
QUEST 1 CLAIM
CARIBOO MINING DIVISION – BRITISH COLUMBIA

GEOCHEMICAL MAP

SCALE 1:1000

A&M exploration ltd
ADDITIONAL WORK MARVIN A MITCHELL P.ENG JULY, 1985

Nov. 27, 1984 Figure 5q



LEGEND

- Soil, Rock, Silt } sample sites.
- L98N — Survey grid line number.
- NAME — Claim boundary, legal corner post.
- 3500 — Topographic contours, contour interval = 50 feet.
- Lake, creek, swamp.
- Logging road.
- 5839000 — U.T.M. grid line.

ppb Au	Soil	Rock	Silt
0	○	▽	◇
5	•	▼	◆
10	●	▼	◆
15	●	▼	◆
20	●	▼	◆
35	●	▼	◆
50	●XX	▼XX	◆XX

GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,096

BUENA EXPLORATION LTD.
QUES 1 CLAIM
CARIBOO MINING DIVISION – BRITISH COLUMBIA

GEOCHEMICAL MAP

GOLD

SCALE 200 0 200 METRES
500 0 500 FEET
1 : 5,000

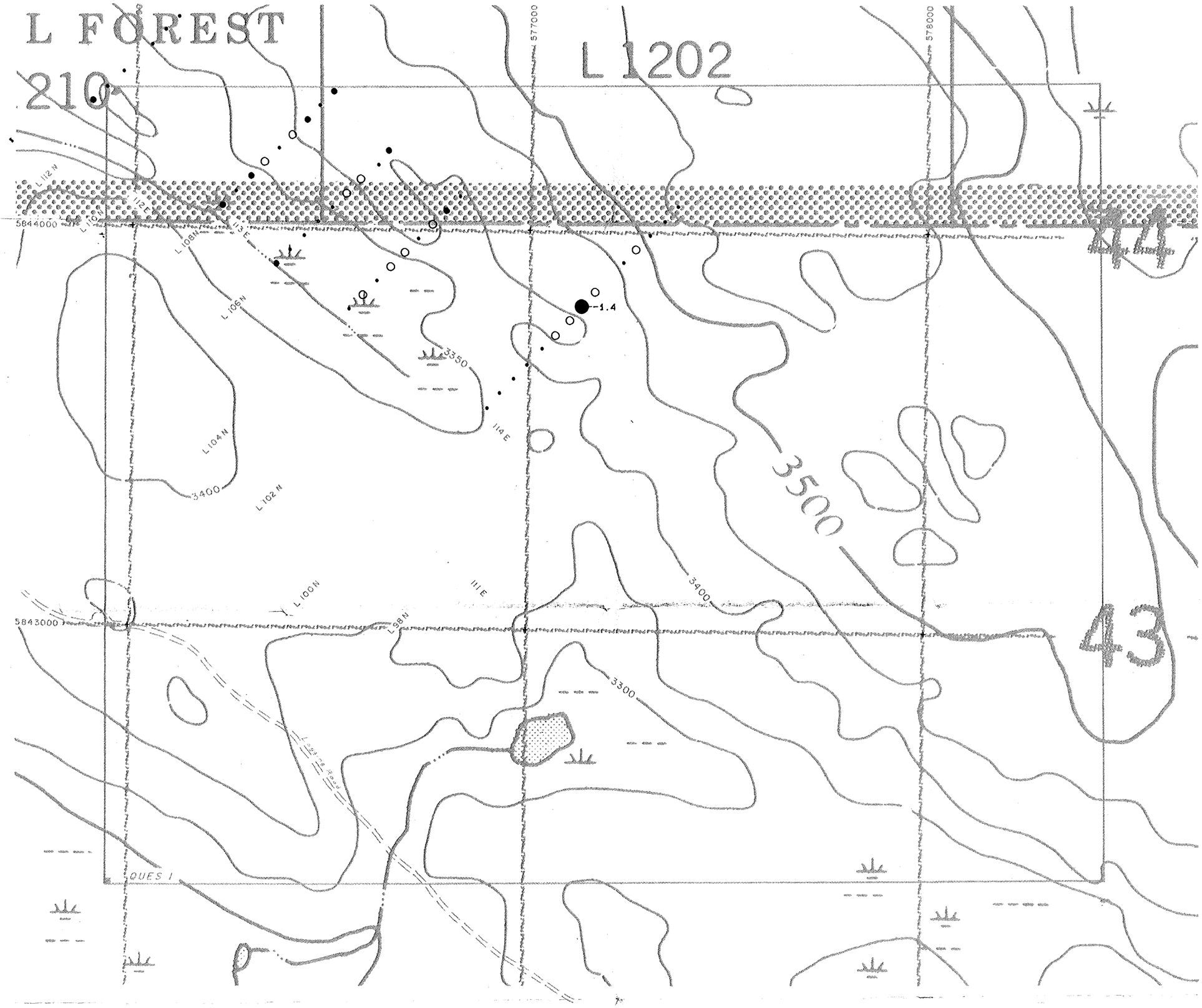
A·M exploration ltd.

Donald G. Allen

July, 1986

N.T.S. 93A/12

FIGURE 5e



LEGEND

		Soil	Rock	Silt	ppm Ag
○	Soil	○	▽	◇	0
▽	Rock — sample sites.	•	▾	◆	0.2
◇	Silt	●	▼	◆	0.4
L98N	Survey grid line number.	●	▼	◆	0.6
NAME	Claim boundary, legal corner post.	●	▼	◆	0.8
3500	Topographic contours, contour interval = 50 feet.	●	▼	◆	1.0
	Lake, creek, swamp.	●	▼	◆	1.2
	Logging road.	●xx	▼xx	◆xx	
5839000	U.T.M. grid line.				

GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,096

BUENA EXPLORATION LTD.
QUES I CLAIM
CARIBOO MINING DIVISION – BRITISH COLUMBIA

GEOCHEMICAL MAP

SILVER

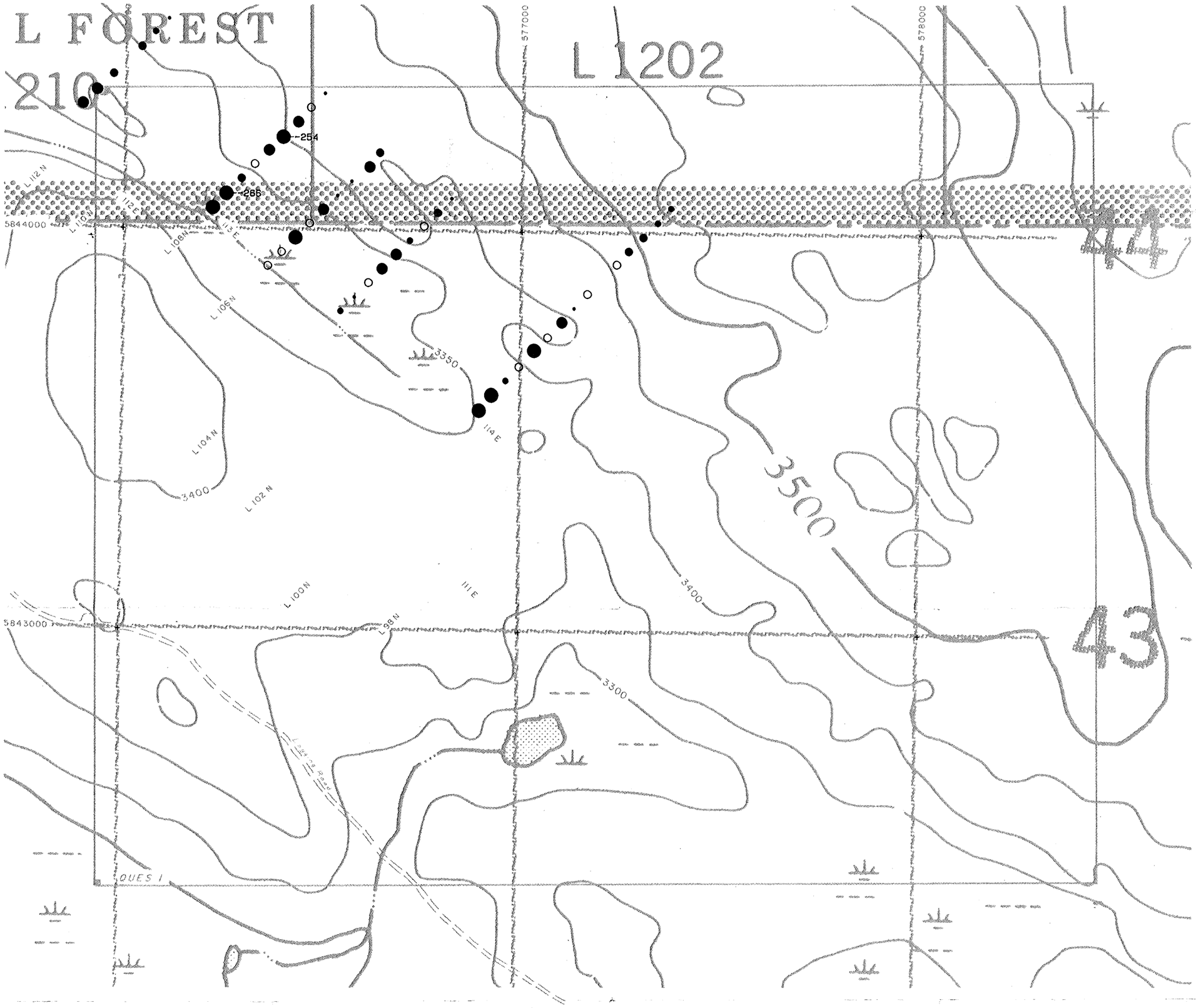
SCALE 200 0 200 METRES
500 0 500 FEET
1 : 5,000

A·M exploration ltd.

July, 1986

N.T.S. 93A/12

FIGURE 5d



LEGEND

- Soil, Rock, Silt — sample sites.
- L 98 N — Survey grid line number.
- NAME — Claim boundary, legal corner post.
- 3500 — Topographic contours, contour interval = 50 feet.
- Lake, creek, swamp.
- Logging road.
- 5839000 — U.T.M. grid line.

ppm Zn	Soil	Rock	Silt
0	○	▽	◇
95	•	▼	◆
105	●	▼	◆
120	●	▼	◆
140	●	▼	◆
170	●	▼	◆
200	●xx	▼xx	◆xx

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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GEOCHEMICAL MAP

ZINC

SCALE 200 0 200 METRES
500 0 500 FEET
1 : 5,000

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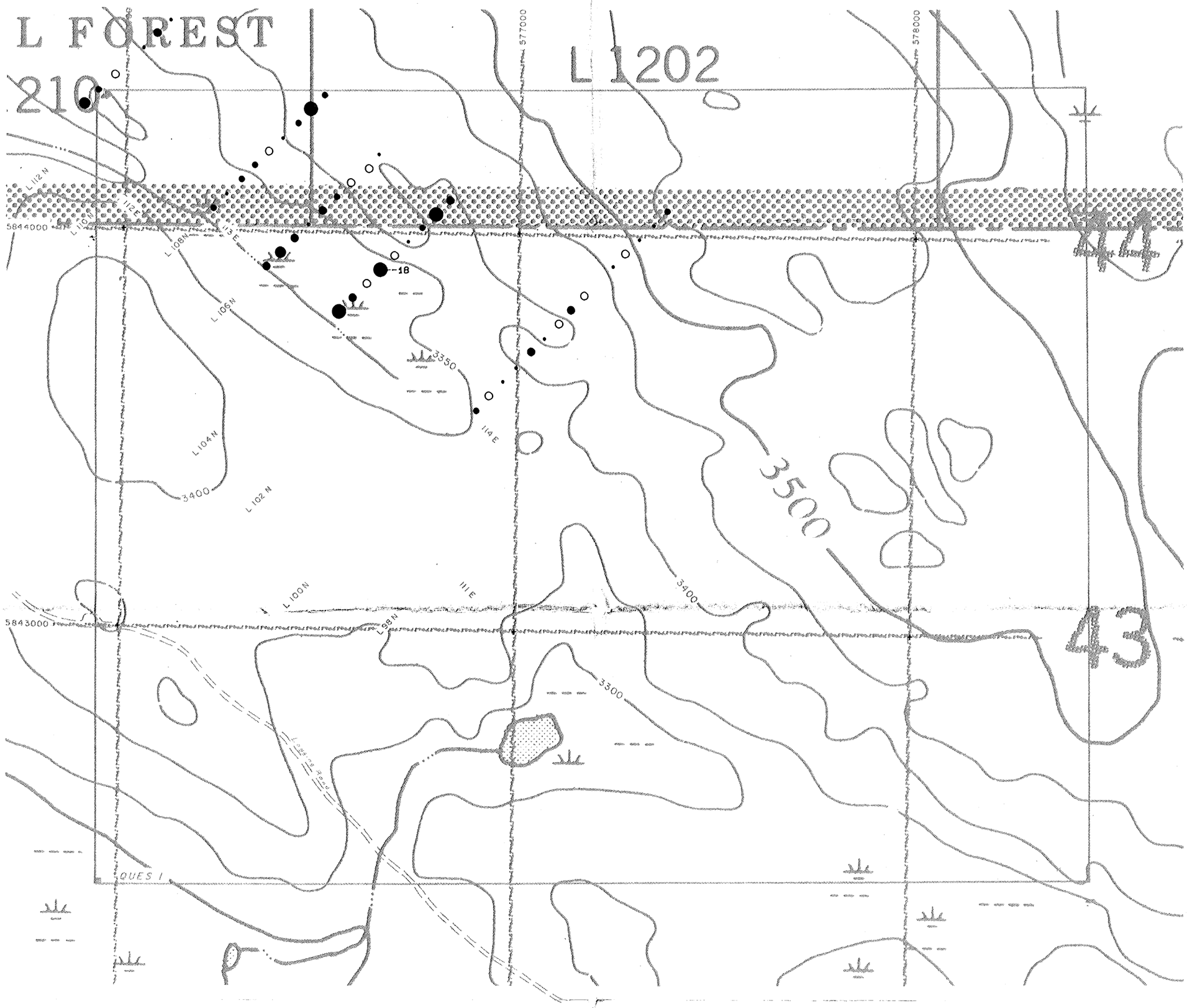
July, 1986 N.T.S. 93A/12

FIGURE 5c



LEGEND

○	Soil	sample sites.
▽	Rock	
◇	Silt	
L 98 N	Survey grid line number.	
NAME	Claim boundary, legal corner post.	
3500	Topographic contours, contour interval = 50 feet.	
	Lake, creek, swamp.	
	Logging road.	
5839000	U.T.M. grid line.	

Soil	Rock	Silt	ppm Pb
○	▽	◇	0
•	▾	◆	7
●	▼	◆	9
●	▼	◆	11
●	▼	◆	13
●	▼	◆	15
●XX	▼XX	◆XX	17

GEOLOGICAL BRANCH
ASSESSMENT REPORT
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BUENA EXPLORATION LTD.
QUES I CLAIM
CARIBOO MINING DIVISION, BRITISH COLUMBIA

GEOCHEMICAL MAP
LEAD

SCALE 200 0 200 METRES
500 0 500 FEET
1 : 5,000

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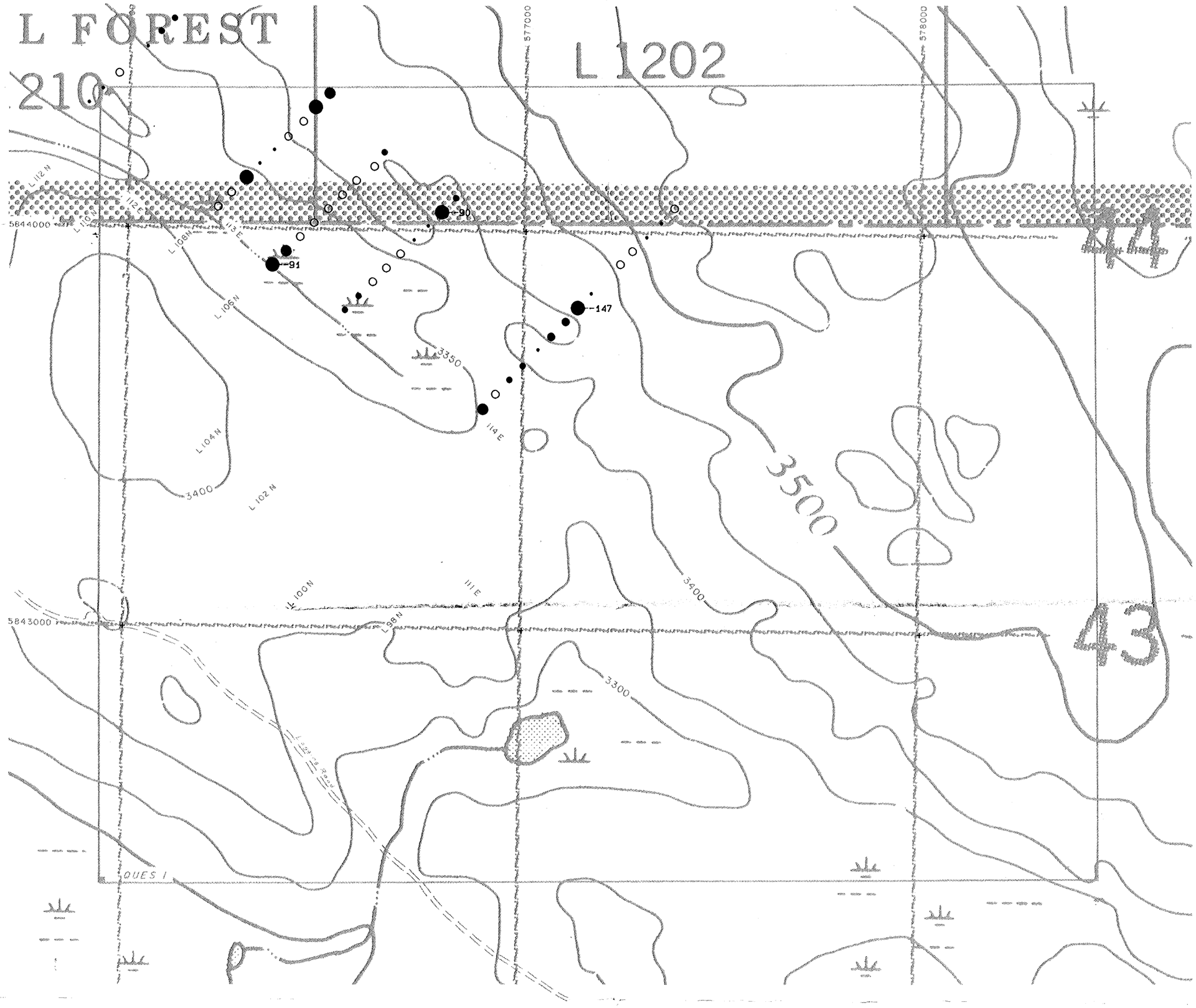
July, 1986 N.T.S. 93 A / 12

FIGURE 5b



LEGEND

- Soil, Rock, Silt — sample sites.
- L 98 N — Survey grid line number.
- NAME — Claim boundary, legal corner post.
- 3500 — Topographic contours, contour interval = 50 feet.
- Lake, creek, swamp.
- Logging road.
- 5839000 — U.T.M. grid line.

ppm Cu	Soil	Rock	Silt
0	○	▽	◇
35	•	▼	◆
45	●	▼	◆
55	●	▼	◆
60	●	▼	◆
70	●	▼	◆
85	●XX	▼XX	◆XX

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,096

BUENA EXPLORATION LTD.
QUES I CLAIM
CARIBOO MINING DIVISION — BRITISH COLUMBIA

GEOCHEMICAL MAP

COPPER

SCALE 200 0 200 METRES / 500 0 500 FEET
1 : 5,000

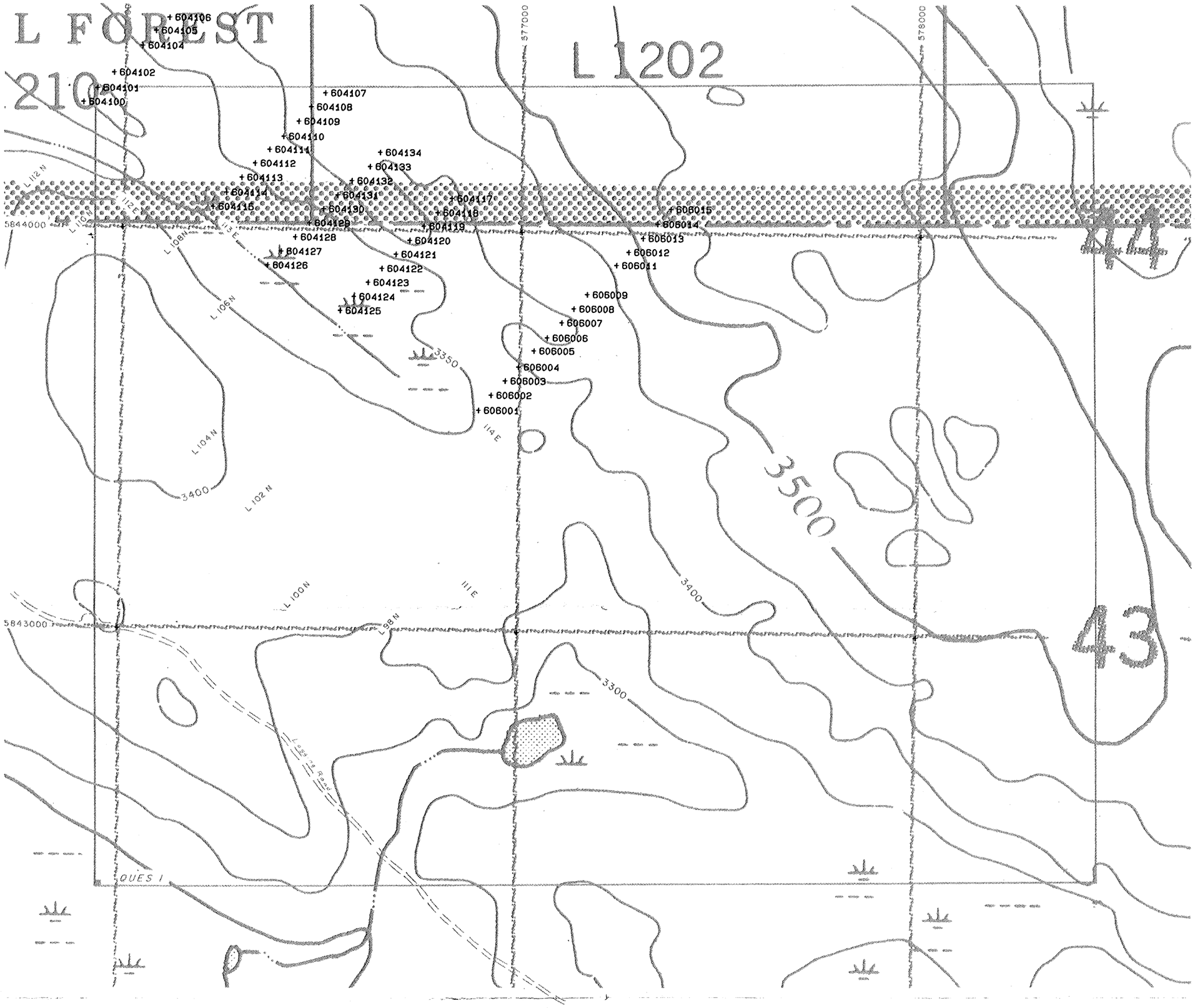
A·M exploration ltd.

Ronald J. Allen

July, 1986

N.T.S. 93 A / 12

FIGURE 50



LEGEND

		Soil	Rock	Silt
○	Soil	○	▽	◇
▽	Rock — sample sites.	•	▼	◆
◇	Silt	●	▼	◆
L98N	Survey grid line number.	●	▼	◆
NAME	Claim boundary, legal corner post.	●	▼	◆
3500	Topographic contours, contour interval = 50 feet.	●	▼	◆
	Lake, creek, swamp.	●	▼	◆
	Logging road.	●XX	▼XX	◆XX
5839000	U.T.M. grid line.			

GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,096

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QUES I CLAIM
CARIBOO MINING DIVISION – BRITISH COLUMBIA

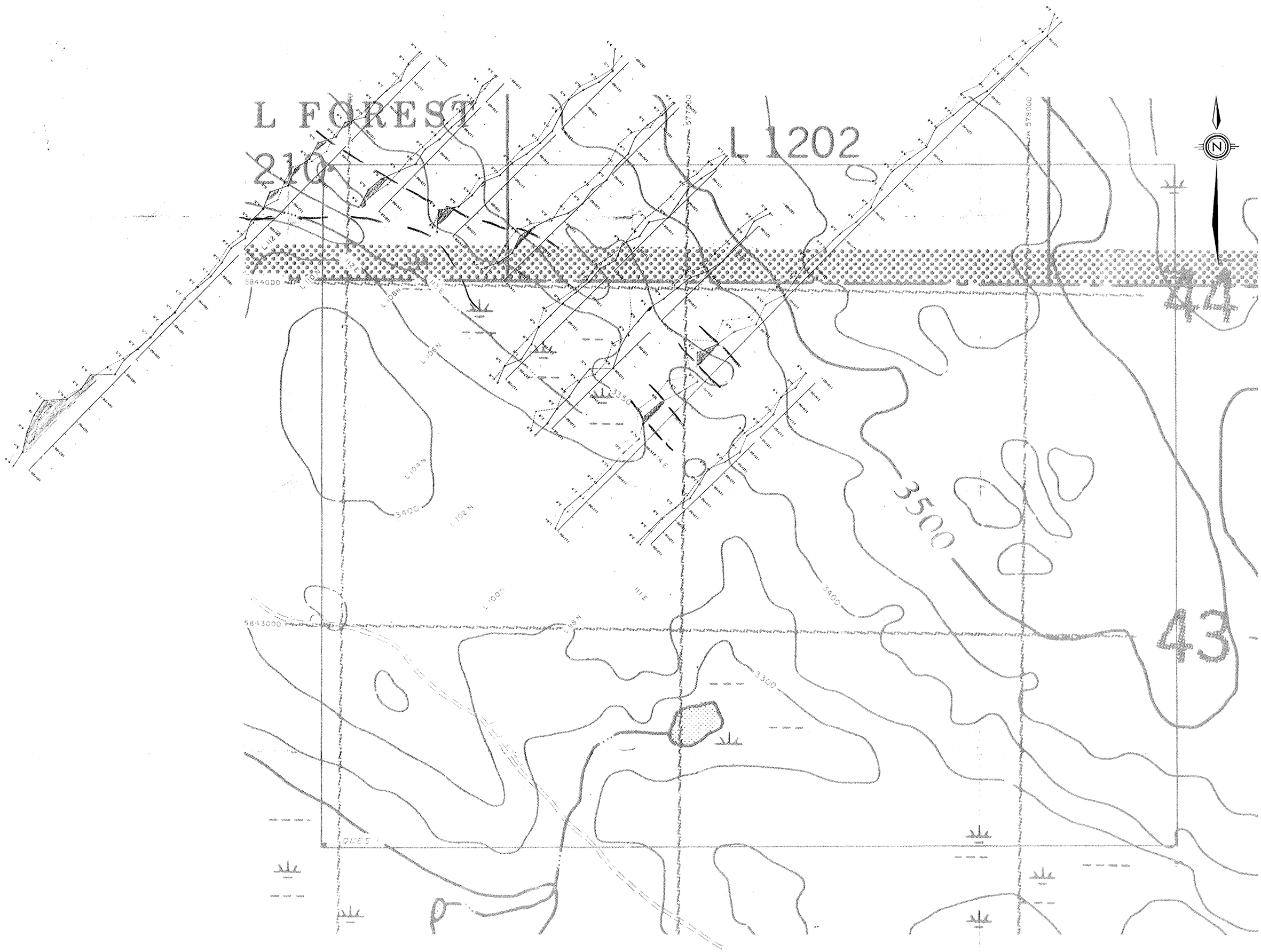
GEOCHEMICAL MAP
SAMPLE LOCATIONS

SCALE 200 0 200 METRES
500 0 500 FEET
1 : 5,000

A·M exploration ltd. Donald G. Allen

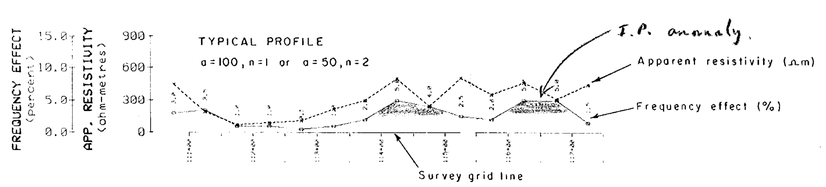
July, 1986 N.T.S. 93 A / 12

FIGURE 5



LEGEND

Vertical scales
1cm = 5.0 %
= 300 Ωm



L98 N — *Survey grid line number.*

NAME — *Claim boundary, legal corner post.*

3500 — *Topographic contours, contour interval = 50 feet.*

Lake, creek, swamp.

Logging road.

5839000 — *U.T.M. grid line.*

Instrument: Sabre Frequency Domain, dipole-dipole array.
Survey date: June, 1986.

BUENA EXPLORATION LTD.
QUES I CLAIM
CARIBOO MINING DIVISION — BRITISH COLUMBIA

IP SURVEY

SCALE 200 0 200 METRES / 500 0 500 FEET
1 : 5,000

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A·M exploration ltd

July, 1986 N.T.S. 93 A / 12

ASSESSMENT REPORT
15,096

FIGURE 6c