ASSESSMENT REPORTS

MAYO M.D.

MAP No. 105 M 13 TYPE OF WORK: GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL

REPORT FILED UNDER	Mosaic Resources Ltd.
DATE PERFORMED	Aug. 8, 1983, Aug. 16, 1984 DATE FILED: March 25, 1985
LOCATION – LAT.	63°55'N
LONG.	135°50'W
CLAIM Nos.	LAZIER 1-6 YA77603-608
	7-10 YA77328-331
	11-16 YA77609-614
WORK DONE BY	D.G. Allen., D.R. MacQuarrie (A & M Exploration Ltd.)
WORK DONE FOR	Mosaic Resources Ltd.

REMARKS

091628

Geologic mapping by Tempelman-Kluit (1963 unpublished map for Silver Titan Mines) outlined an east-trending band of quartzite containing lenses of schist and greenstone cut by several north to northeast trending faults and by a small biotite porphyry dyke in the south. Two or more quartz-rich vein faults occur in suboutcrop, containing galena and sphalerite and may be related to northeast trending faults and north trending rusty fractures in outcrop.

Ex 85 p. 167-168

In 1984, preliminary exploration on the LAZIER 1-10 claims consisted of 7.7 km of grid preparation, 1.2 km of I.P. surveys, 4.0 km of VLF-EM surveys, and a total of 168 soil and 5 rock samples were collected at 12 to 25 m intervals on lines spaced at 500 m for geochemical analysis. Samples were analyzed for molybdenum, copper, silver, lead, zinc, gold and arsenic.

Anomalous zinc (150-310 ppm) and lead (30-134 ppm) soil values occur in two main areas: 1) over a 70 m length, near the known test pits and shafts, and 2) over a 150 m length, 1 km to the west of the pits and shafts. Weakly to moderately anomalous gold (up to 30 ppb) and silver (up to 1.4 ppm) are associated with the lead-zinc anomalies. A broad zone of arsenic values greater than 40 ppm trends east-northeasterly across the grid area. Rock samples in the area of the pits and shafts revealed up to 5600 ppm Pb, 1770 ppm Zn and 9.2 ppm Ag.

Two anomalous areas were outline by the I.P. survey as subparallel and linear zones. The areas of these highs are underlain by schist and the source lies within 12.5 m of surface. Each I.P. anomaly has an associated linear resistivity "low", the northernmost is very low with values from 4 to 75 ohm metres. Two good, VLF-EM conductors were located by the survey. Both zones are linear trending 050° and 066° respectively and are outlined by dip angle

cross overs and field strength highs. These conductors are approximately coincident with the apparent resistivity lows and the I.P. anomalies.

The geophysical data suggests that the schist unit is bounded, both to the north and the south by a semicontinuous, conductive shear zone that probably contains pyrite and or graphite and may also contain lead, zinc, and silver mineralization.

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GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT

on the

LAZIER PROPERTY

Mayo Mining Division - Yukon Territory

Lat. 63° 55' N Long. 135° 50' W

N.T.S. 105 M/13

for

MOSAIC RESOURCES LTD.

by

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

and

Douglas R. MacQuarrie, B. Sc.

February 18, 1985 Vancouver, B. C.

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 3400.00 .

D D Emond

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

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SUMMARY

Mosaic Resources Ltd. holds 16 claims, LAZIER 1-16, in the Mayo Mining Division of central Yukon Territory. The claims are situated 38 kilometres north of Mayo and 20 kilometres west of United Keno Hill Mines at Elsa. Access is by road to the south side of the river and thence by boat across the river.

The Mayo district is one of Canada's largest silver producers with recorded production up to 1982 of 4,141,647 tons containing 140,541,912 ounces of silver, 470,520,605 pounds of lead and 329,844,185 pounds of zinc mainly from mines on Keno and Galena Hills. Mineralization in the district occurs mainly in the south limb of the McQuesten anticline in north-east-trending vein-fault systems in a Central Quartzite unit overlain and underlain respectively by the Upper and Lower Schist formations.

The LAZIER property covers potential silver-lead-zinc mineralization in the relatively unexplored north limb of the McQuesten anticline. The property in part is underlain by the favourable Keno Hill quartzite unit and is cut by northeast-trending faults. Oxidized quartz veins containing anomalous lead and zinc values occur on the property.

Results of preliminary soil geochemical sampling revealed a generally high arsenic background in the claim area. Two multi-element geochemical targets (lead-zinc-

arsenic ± gold ± silver) were partially outlined.

Preliminary geophysical surveys indicated the presence of at least two exploration targets.

CONCLUSION

Exploration in the McQuesten district, including the LAZIER property, has been difficult and incomplete, in part, because much of the area has escaped glaciation. Outcrops are oxidized and leached, making surface showings of mineralized veins very unimpressive. Oxidation of veins ranging from depths of 20 to 600 feet is reported by Boyle (1965).

The property lies on the north limb of the McQuesten anticline which, although underlain by similar geology, has been relatively unexplored for the following reasons as outlined by Aho (1964):

1) Most work has been conducted on the eastern part of the main structure with little overall district exploration having been carried out until recently.
2) Because of high costs, efforts have been directed mainly to extraction of available ore and to intensified exploration in the immediate vicinity of the known deposits.
3) Residual or glacial overburden is extensive and forest cover, easily masking veins to casual exploration, has hindered discovery.

4) Discoveries in the past have been made by individuals using manual placer mining methods of ground sluicing and prospect-shaft sinking on Keno and Galena Hills. Little exploration by modern exploration methods beyond the Main Keno Hill area has been undertaken.

Because of the magnitude of the overall structure and favourable geology (over 70 kilometres long and 50 kilometres wide) the McQuesten district is considered to have good exploration potential. Aho (1964) compares the district to the Coeur D'Alene district of Idaho in magnitude.

The LAZIER property is a good exploration target because of the presence of (1) a northeast-trending break parallel to the McQuesten anticline; (2) a favourable host rock (Keno Hill quartzite); (3) north to northeast-trending faults; and (4) several geophysical and geochemical targets that have been defined by preliminary work.

RECOMMENDATION

A two-phase exploration program is recomended to test the property. Phase I will consist of prospecting, further geochemical soil sampling and electromagnetic surveys. A Phase II program, contingent on results of Phase I, will consist of diamond drilling to test any targets generated. Estimated costs of Phase I and Phase II are $24,500 and $145,000, respectively, for a grand total of $169,500.

Budget estimates are based on helicopter access, but bulldozer access may be possible when the level of the South McQuesten River is low.

Donald G. Allen

ESTIMATED COSTS OF RECOMMENDATIONS

PHASE I Prospecting, geochemical sampling, geophysical surveys.

Salaries		
Geologist	1 mo. @ $6,000/mo.	$ 6,000
Assistant sampler	1 mo. @ $3,000/mo.	3,000
Geophysical crew	5 days @ $500 (all incl.)	2,500
Room and board	120 man days @ $45/day	5,400
Geochemical analyses		2,000
Vehicle rental and expenses		1,500
Travel		2,000
		$ 22,400
	Contingencies	2,100
	Total Phase I	$ 24,500

PHASE II Diamond drilling.

Drill site preparation		$ 5,000
Helicopter mobilization and drill moves	30 hrs. @ $500	15,000
Drilling	2,000 ft. @ $50 (all incl.)	100,000
Engineering, assays, supervision	10% of subtotal of $120,000	12,000
		$132,000
	Contingencies	13,000
		$145,000
	Grand Total	$169,500

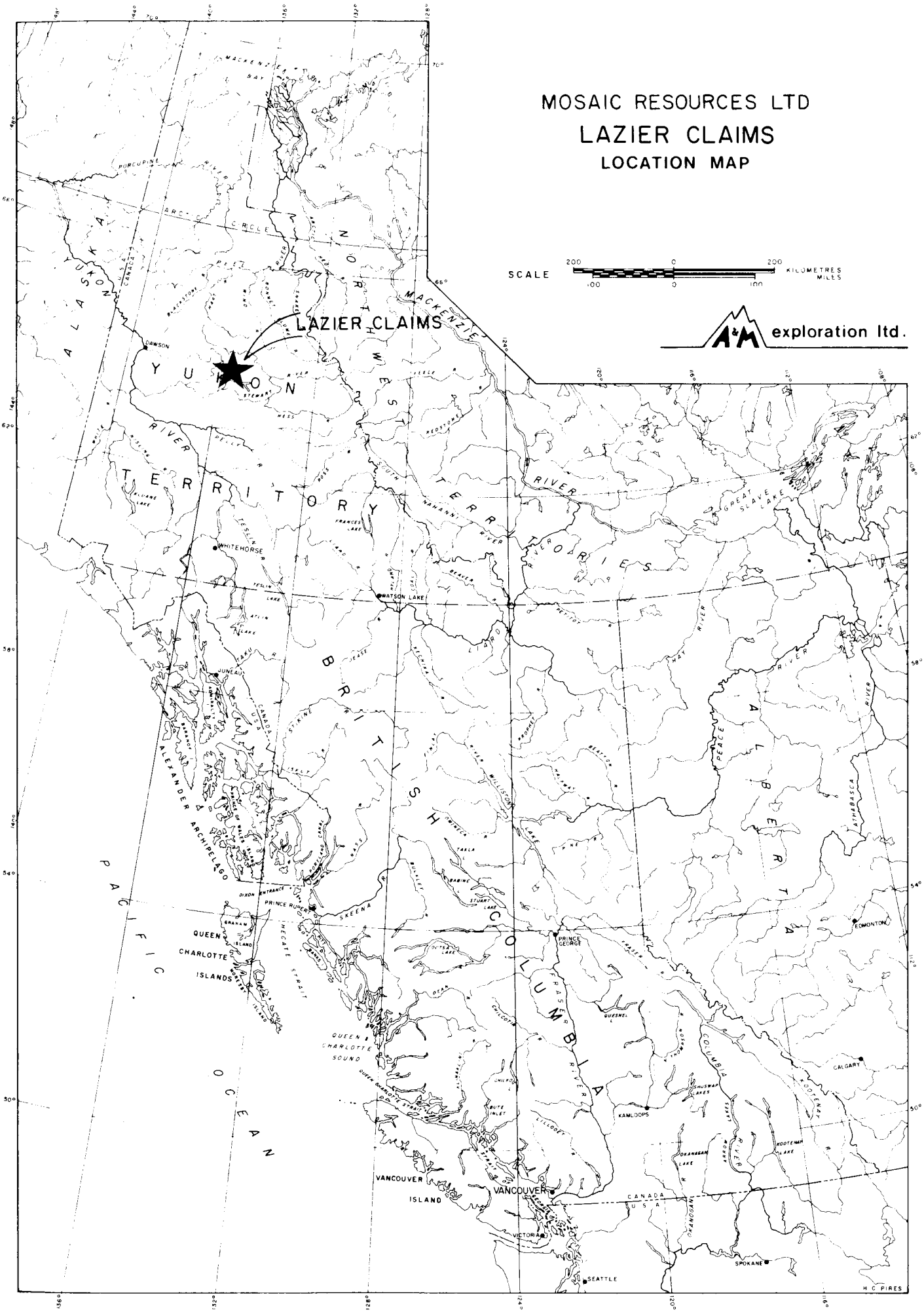
INTRODUCTION

Mosaic Resources Ltd. holds 16 claims, LAZIER 1-16, in the Mayo Mining District of central Yukon. The claims lie in the McQuesten mineral belt which contains one of Canada's largest silver producers. During the period 1947 to 1982, production from the nearby United Keno Hill Mines has amounted to 140,541,912 ounces of silver; 470,520,605 pounds of lead; and 329,844,185 pounds of zinc from 4,141,674 tons of ore (1982 United Keno Hill Mines' Annual Report). At current metal prices, this production has a gross value of 1.8 billion dollars.

The LAZIER claims cover potential silver-lead-zinc mineralization in host rocks similar to the United Keno Hill deposits. This report summarizes results of the property examination carried out by the writer on August 8, 1983, and on August 16, 1984 and results of reconnaissance soil geochemical sampling, induced polarization and VLF-electromagnetic surveys.

LOCATION, ACCESS, PHYSIOGRAPHY

The LAZIER claims are situated 20 kilometres west of the United Keno Hill deposits at Elsa and 38 kilometres north of Mayo (Figures 1 and 2). The claims lie on the north side of the South McQuesten River. Access is by


MOSAIC RESOURCES LTD
LAZIER CLAIMS
LOCATION MAP
SCALE
200 0 200 KILOMETRES
100 0 100 MILES
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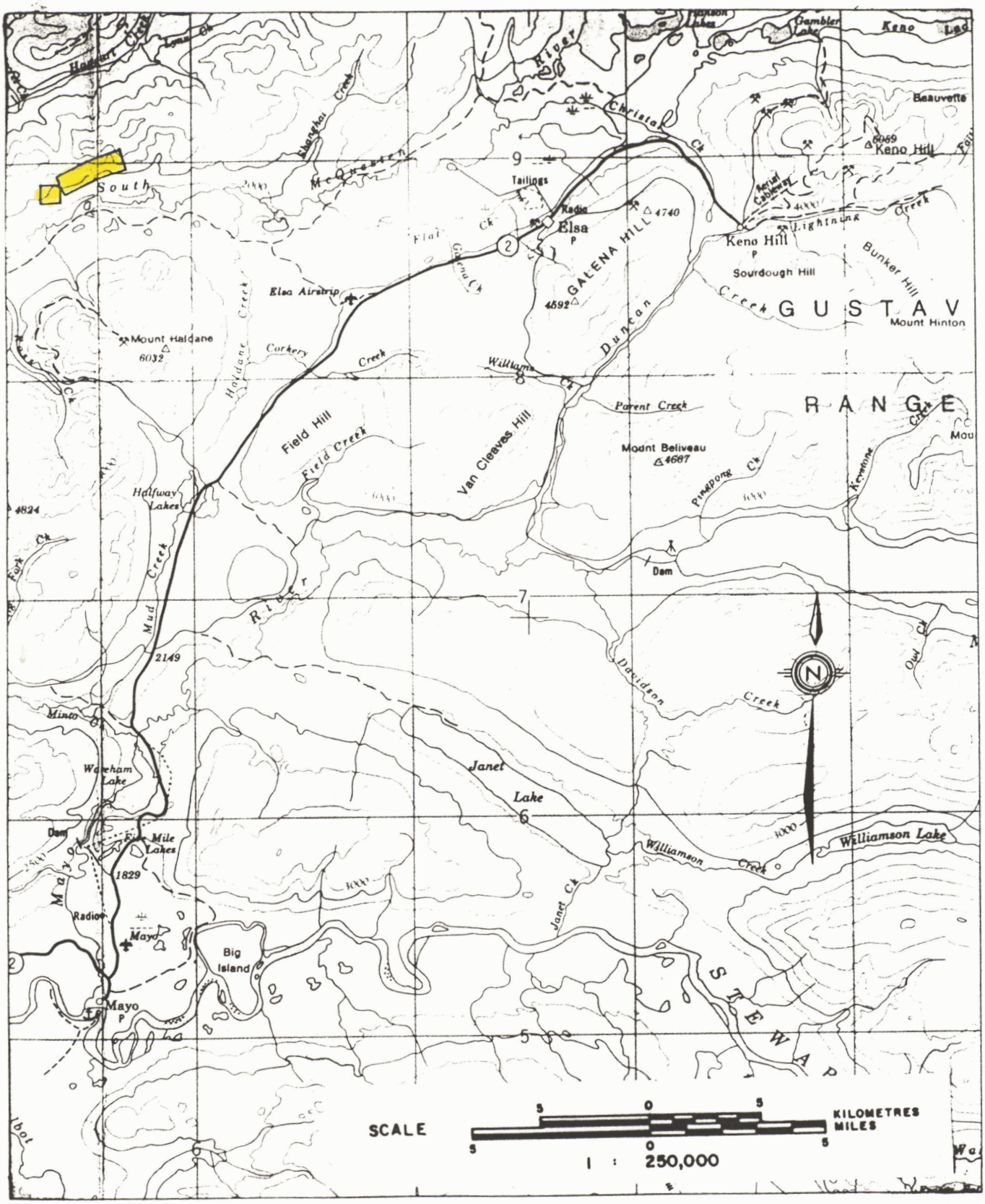
LAZIER CLAIMS
YUKON TERRITORY
NORTHWEST TERRITORIES
ALASKA
BRITISH COLUMBIA
ALBERTA
PACIFIC OCEAN
DAWSON
WHITEHORSE
WATSON LAKE
JUNEAU
PRINCE RUPERT
PRINCE GEORGE
QUEEN CHARLOTTE ISLANDS
VANCOUVER ISLAND
VANCOUVER
VICTORIA
SEATTLE
SPOKANE
KAMLOOPS
CALGARY
EDMONTON
GREAT SLAVE LAKE
MACKENZIE RIVER
PEACE RIVER
FRASER RIVER
COLUMBIA RIVER
ARCTIC CIRCLE
CANADA
USA
H.C. PIRES

FIGURE – 1



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ACCESS MAP

LAZIER CLAIMS

Mayo Mining Division - Yukon Territory

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Figure 2

gravel road from Highway 2 to a point on the river immediately south of the claims. The property can be reached by crossing the river by light boat and proceeding by foot up a bulldozer trail. Alternatively, charter helicopter service is available in Mayo.

The claims lie on a south facing slope between elevations 2,300 and 3,100 feet (700 and 950 metres). Slopes are gentle to moderately steep and are covered with a growth of spruce and birch with a heavy undergrowth of buckbrush.

CLAIMS

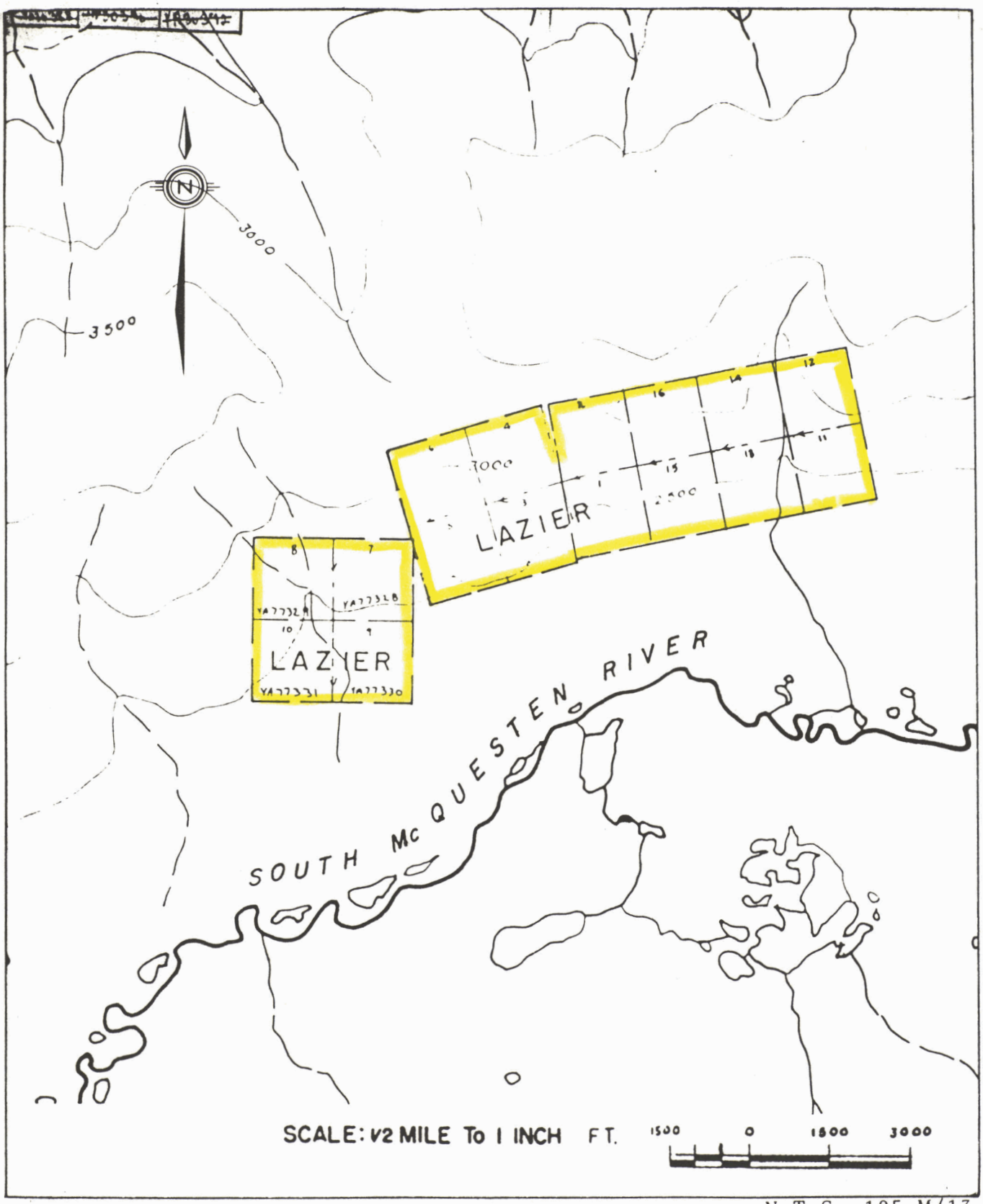
The property comprises 16 claims, LAZIER 1-16. They are registered in the name of Mosaic Resources Ltd. Claims are plotted on Figure 3. Claim data are as follows:

Claim Name	Record Number	Expiry Date
LAZIER 1-6	YA ~~42356-42361 (LAPSED)~~ 77603-77608	August ~~16, 1989~~ 21, 1990
LAZIER 7-10	YA 77328-77331	August 24, 1985
LAZIER 11-16	YA 77609-77614	August 27, 1985

HISTORY

The property was originally staked as the LAYSIER claims in 1963, by C. Poli who carried out hand and bulldozer trenching in 1964.

History of the nearby Keno and Galena Hills area dates



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CLAIM MAP

LAZIER CLAIMS

Mayo Mining Division - Yukon Territory

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Figure 3

back to the discovery of the Silver King vein in the canyon of Galena Creek. Production followed in the period 1913 to 1917. Veins on Keno Hill were discovered in 1919. Production by Treadwell Yukon Corp., Keno Hill Ltd., and United Keno Hill Mines has continued intermittently until present day. Current mine capacity is 110,000 to 120,00 tons per year from open pit and underground workings.

GEOLOGY

Regional Geology

The LAZIER property is in the Mayo map area (Bostock 1947). Studies of the Keno Hill area and vicinity have been made by Aho (1962, 1964), Boyle (1957,1965), McTaggart (1960), and Green and McTaggart (1960).

The McQuesten mineral belt, as defined by Aho, is a mineral belt 120 to 150 kilometres long and at least 30 to 50 kilometres wide. It includes the well known United Keno Hill deposits, as well as the LAZIER property.

The basic structure of the belt is a N70^{o} east arch of quartzite and phyllite of probable Proterozoic or Early Cambrian age which trends transverse to the regional trend of the Cordillera. The main structure which dominates the northern half of this arch is the N70^{o} east McQuesten anticline (Figure 4) which is intruded by two belts of granitic stocks, one along its axial region and another along its north flank.

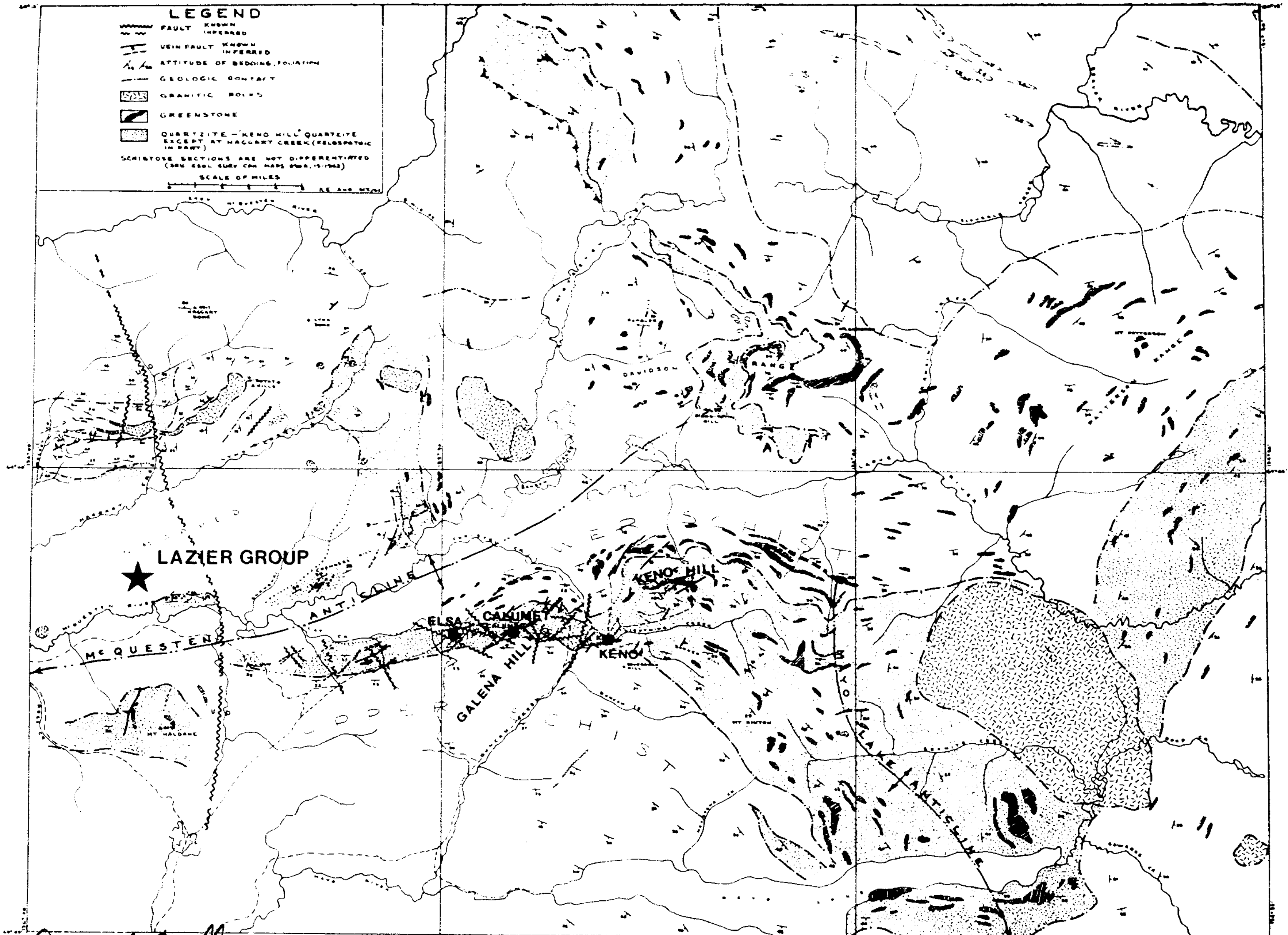

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FIGURE 4 : REGIONAL GEOLOGY - MAYO DISTRICT (After Aho, 1964)

The main sedimentary rocks in the area are phyllite and quartzite, of several varieties, which are so intensely deformed that stratigraphic relationships are underlain. The phyllite which is termed the Lower Schist in the Keno Hill area contains numerous sills and dikes of greenstone and beds of quartzite. Above the Lower Schist is 2,500 to 14,000 feet of quartzite and associated greenstone lenses known as the Central Quartzite. Overlying the Central Quartzite is an assemblage of several thousands of feet of brown to grey phyllite, termed the Upper Schist.

All rocks have been affected by intense large scale deformation.

Mineralization in the Mayo District (eastern part of the McQuesten mineral belt) is well known because of the rich silver-lead-zinc lode deposits of the Keno and Galena Hills. In addition, placer gold and tungsten deposits have been explored and worked in the Potato Hills area to the north of the LAZIER; and tin and tungsten mineralization explored for in the Mount Haldane area immediately to the south of the LAZIER property.

The main control for silver-lead-zinc mineralization of the Keno Hill type is the N70^{o} east McQuesten anticline. Ore is locallized in northeast-striking, southwest-dipping vein-fault systems where they intersect more massive greenstones and quartzite of the Central Quartzite formation. Ore is best developed where vein-faults intersect or branch

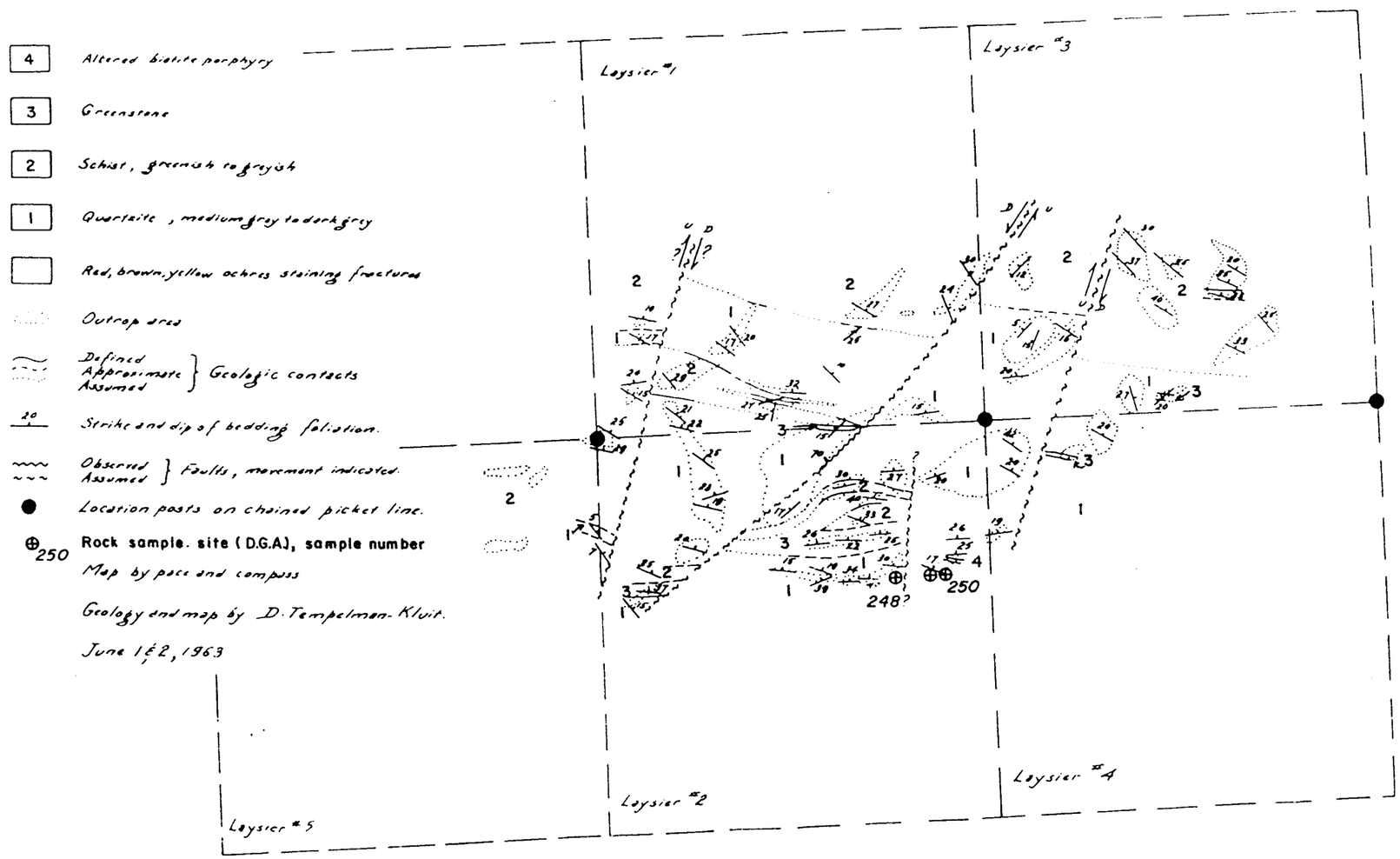
(dilation effect), where they pass upward into less competent schists (damming effect), and often near minor or major cross-faults. The fault systems parallel the axis of the McQuesten anticline and are probably related to tensional conditions associated with uplift and development of the McQuesten anticline. The LAZIER property contains some of these northeast fault structures in north-dipping quartzites on the north limb of the anticline.

Property Geology

The former LAYSIER 1 to 4 claims were mapped by Tempelman-Kluit (1963 unpublished map for Silver Titan Mines). The old claim posts were not located but the LAZIER 1 to 6 claims are considered to be approximately coincident with the former. An examination of the geology by the writer confirmed the presence of Keno Hill quartzite and areas trenched by C. Poli in 1963. The property was originally staked to cover a possible east-northeast-trending break which parallels the McQuesten anticline and which is visible on air photos.

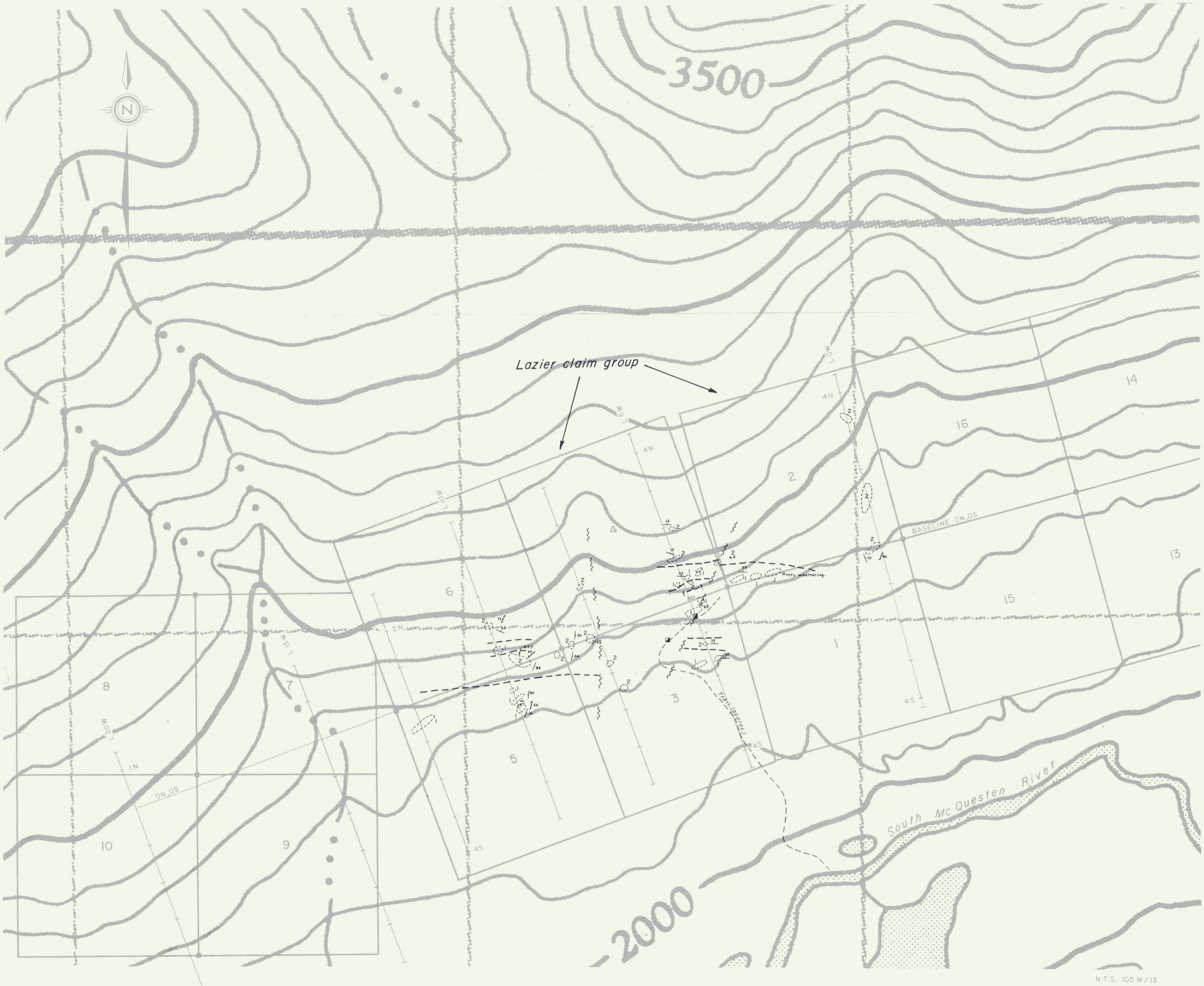
Mapping by Tempelman-Kluit outlined an east-west trending band of quartzite (Unit 1, Figure 5) containing lenses of schist (Unit 2) and greenstone (Unit 3). Several north to northeast-trending faults were mapped. The quartzite unit is bounded to the north by schist. Overburden covers the southern part of the claim group. Also mapped is a small biotite porphyry dike (Unit 4). Results of preliminary mapping by the writer are shown on Figure 6.

GEOLOGIC MAP OF THE LAYSIER GROUP



Donald G. Allen

Figure 5



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LEGEND

- 2 — Schist
- 1 — Quartzite
- Joint
- Bedding and/or foliation
- Fault
- Outcrop, float
- Pit, shaft
- Claim boundary, claim post.
- Creek
- Topographic contours, elevation in feet.
- Geological contact

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LAZIER CLAIMS

MAYO MINING DIVISION – YUKON TERRITORY

GEOLOGICAL MAP

SCALE 200 0 200 METRES / 500 0 500 FEET

1 : 5,000

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Feb. 26, 1985

Figure 6

Mineralization on the Property

Results of past work indicated the presence of two or more vein-fault zones with signs of silver-lead mineralization (Aho, 1964). Quartz veins, some containing galena and sphalerite occur in rubbly suboutcrop. They may be related to northeast-trending faults and north-trending rusty fractures observed in nearby outcrops. Since the area has escaped glaciation, surface exposures of veins can be expected to be oxidized, leached, and difficult to evaluate.

1984 FIELDWORK

In 1984 a preliminary exploration program consisting of the following work was conducted on the LAZIER 1 to 10 claims:

1. 7.7 kilometres of grid preparation, i.e., a flagged grid was established using the claim location line (azimuth 250 to 255°) as a baseline with 7 cross lines.
2. 1.15 kilometres of induced polarization surveys.
3. 4.0 kilometres of VLF-electromagnetic surveys.
4. A total of 168 soil samples and 5 rock samples were obtained on the grid.

GEOCHEMICAL SURVEY

A total of 168 soil and 5 rock samples were taken in the

grid area. Samples were taken at 12 to 25 metre intervals on lines spaced 500 metres apart. Soil samples were taken with grubhoe at a depth of 20 to 30 centimetres, usually well below the A horizon. Material sampled consisted mainly of residual soil or glaciofluvial material. A few samples contained significant amounts of organic material. Soil was placed in Kraft paper bags and shipped to Rossbacher Laboratory Ltd. for preparation and analyses. Samples were screened to minus 80 mesh and analyzed for molybdenum, copper, silver, lead, zinc, gold and arsenic. Sample sites and zinc, lead and arsenic values are plotted on Figure 7 and sample results presented in Appendix I. A statistical summary of analytical results (frequency and cumulative frequency plots) of soil geochemical results (including an additional 34 samples taken elsewhere in the South McQuesten River area) is presented in Appendix II.

Anomalous zinc (150 to 310 ppm) and lead (30 to 134 ppm) values occur mainly in two areas (1) over a length of about 70 metres on Line 5 West near the known test pits and shafts, and (2) over a length of about 150 metres on Line 15 West.

Conclusions regarding trend of geochemical anomalies cannot be made at this time because (1) sample lines are too widespaced and (2) the presence of glaciofluvial deposits, mainly in the southern part of the grid area, probably effectively mask any potential mineralization in bedrock.

Weakly to moderately anomalous gold (up to 30 ppb) and

silver (up to 1.4 ppm) values are associated with the lead and zinc anomalies.

Inspection of the statistical plots indicates that arsenic values above 75 ppm are anomalous. However, a general high arsenic background is indicated because typical arsenic values in the earth's crust range from 1.5 to 17 ppm (Boyle and Jonasson, 1973). Most of the highest values (80 ppm) occur in the vicinity of anomalous lead and zinc values on Line 15 West. A broad zone of arsenic values greater than 40 ppm would appear to trend east-northeasterly across the grid area.

Results of rock geochemical sampling (239 AT 61-65) confirmed the presence of potential lead-zinc-silver mineralization below the zone of weathering. All samples in the vicinity of the pits and shaft near Line 5 revealed anomalous values of lead (up to 5600 ppm), zinc (up to 1770 ppm) and silver (up to 9.2 ppm, Table I).

GEOPHYSICAL SURVEY RESULTS AND DISCUSSION

A geophysical program consisting of three test lines of induced polarization (totalling 1.15 line kilometres) and six test lines of very low frequency electromagnetic surveys (totalling 4.0 line kilometres) were completed on the claims.

TABLE I

ROCK SAMPLE DESCRIPTIONS

Sample No.	Descriptions	ppm Zn	ppm Pb	ppm Ag
MAT 248 (1983)	Quartz-veined quartzite rubble at base of quartzite outcrop.	312	64	0.6
MAT 249 (1983)	Quartz-veined fine grained quartzite - rusty weathering material from shallow pit.	82	34	0.8
MAT 250 (1983)	Rusty weathering fractured quartzite.	276	22	1.0
239 AT 61	2 to 30 cm. bull quartz vein in muscovite schist.	40	26	0.2
239 AT 62	Rusty fractured and sheared quartzite.	148	36	1.0
239 AT 63	Rusty quartz-veined quartzite.	1210	152	0.8
239 AT 64	Quartzite containing 2-3 cm wide galena-quartz veinlets.	1080	5600	9.2
239 AT 65	Rusty fractured quartzite and muscovite schist.	1770	180	0.8

Induced Polarization Survey

The induced polarization and apparent resistivity survey results are plotted in plan on Figure 8. A portable 500 watt frequency domain I.P. system manufactured by Sabre Electronic Instruments of Burnaby, B.C. was used for all observations. The dipole-dipole array, with an electrode spacing of 25 metres and n=1, and frequencies of 0.3 and 10hz were used throughout. Stations were observed at 25 metre intervals on survey lines located 250 metres apart.

Two anomalous percent frequency effect (p.f.e.) high areas were outlined by the survey. They appear to be sub-parallel and linear.

The first zone trends from 0+20N on L10W to 1+20N on L5W. Peak values vary from 22.0 to 30.0 p.f.e. The second zone extends from 0+35S on L10W to 0+35S on L5W with peak values from 16.0 to 22.0 p.f.e.

The entire area between these high zones is moderately anomalous with p.f.e.'s generally greater than 9.0. The anomalous area roughly corresponds with areas underlain by schist (Figure 6). The high background is probably related to percent frequency effects caused by the high mica content of the schist-phyllite units. The data suggest that the source of the p.f.e. highs lie within 12.5 metres of the surface.

Resistivity Survey

The apparent resitivity data is presented on Figure 8. The dipole dipole array with a=25 metres, n=1 and a frequency of 10hz were used. Values range from a high of 9340 ohm metres to a low of 4 ohm metres. Areas underlain by quartzite generally have values in the range from 1000 to 4000 ohm metres. Areas underlain by schist are significantly more conductive with values ranging from 4 to 1500 ohm metres, with most readings in the range from 100 to 700 ohm metres.

There is a marked resistivity low feature, from 4 to 75 ohm metres, that is generally coincident with the northern-most induced polarization anomaly. A second resistivity low feature is coincident with the southern induced polarization anomaly, with values from 85 to 890 ohm metres. These linear resistivity lows appear to mark the edges of the schist unit.

VLF-Electromagnetic Survey

The VLF-electromagnetic survey results and interpreted conductors are presented on Figure 9. A Sabre Model 27 VLF-EM receiver tuned to Seattle, Washington was used for the survey. Dip angle and relative horizontal field strengths were recorded along the survey lines at 25 metre intervals.

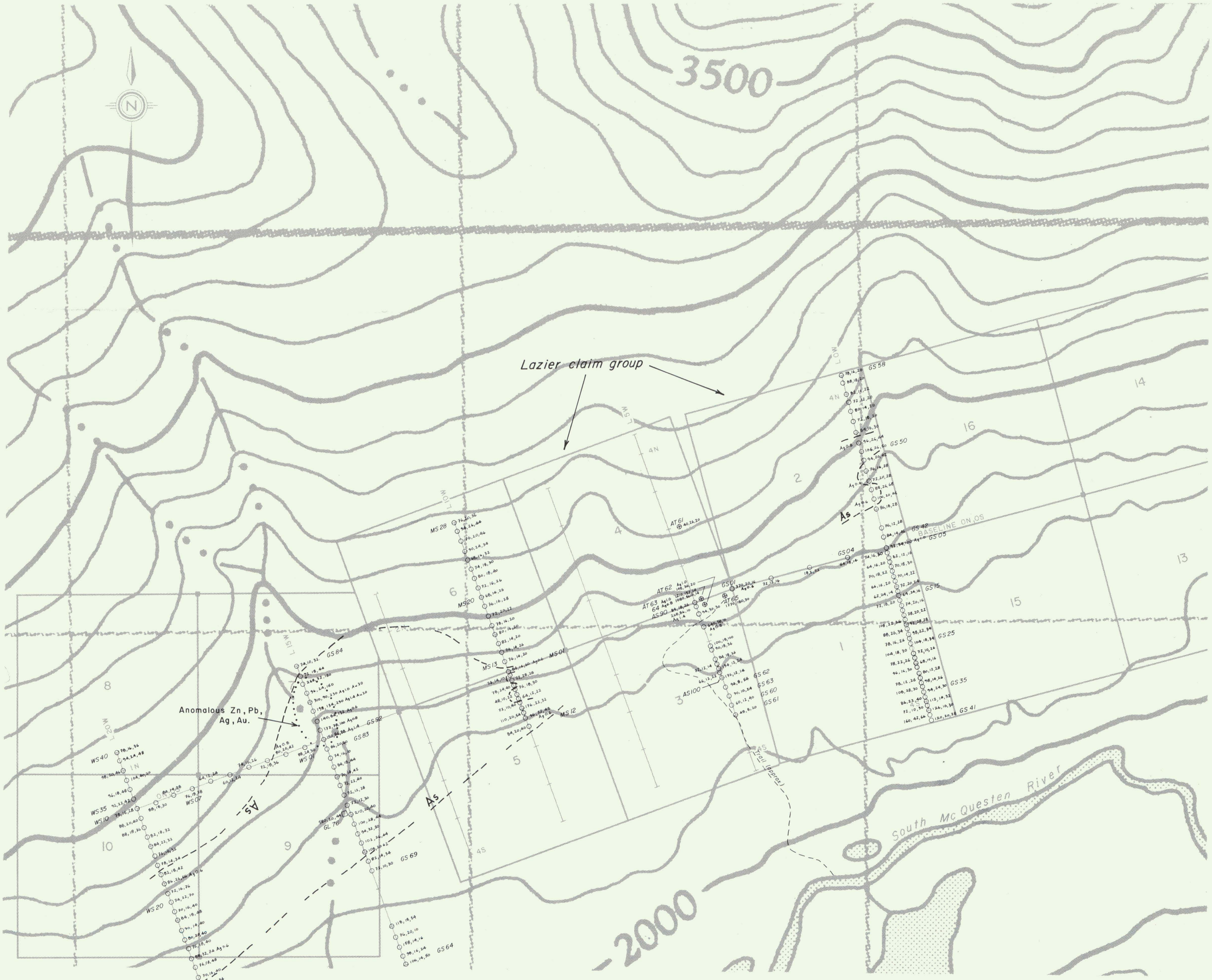
Two good VLF-EM conductors were located by the survey. Both zones are distinctly linear and outlined by dip angle crossovers and field strength highs. The first conductor trends at azimuth 056^{o} from station 0+10N on L10W to 3+00N on

L0W. Peak field strengths vary from 2 to 19% above background. Peak to peak amplitude's of the dip angle vary from 6 to 12 degrees. The second conductor trends at azimuth 066° from 1+00S on L10W to 0+10S on L0W. Peak values for the field strength vary from 2 to 12% and for the dip angle, from 4 to 18 degrees peak to peak. The source of these anomalies probably lies within 15 metres of the surface.

The VLF-EM conductors appear to be approximately coincident with the marked apparent resistivity lows and percent frequency effect highs noted by the induced polarization survey. This data suggests that the schist unit is bounded on both its northern and southern edges by a semi-continous, conductive, shear zone that most likely contains pyrite and/or graphite. The correlation of the northern anomalous zone with high arsenic and zinc soil geochemistry, the lack of large amounts of observed graphite, and their northeasterly trend, indicate that the northern and possibly southern anomalous zones are most likely related to sulfide-rich shear veins, possibly of the Keno Hill type.

Further geophysical surveying, prospecting and follow-up drill testing of the anomalous zones is warranted.

Donald G. Allen



LEGEND

- WS40 ○ 78,16,36 — Soil sample site, sample number; ppm Zn, Pb, As.
- 580,20,44 □ GL76 — Silt sample site, sample number; " , " , ".
- ⊕ AT65 1770,180,30 — Rock sample site, sample number; " , " , ".
- L20W — Sample grid line, line number.
- Claim boundary, claim post.
- Creek
- 3500 — Topographic contour, elevation in feet. (Contour interval = 100 ft.)
- Boundary of geochemical anomalies.

Note: Results plotted where ppm Ag ≥ 0.6, ppb Au ≥ 20 also.

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LAZIER CLAIMS

MAYO MINING DIVISION – YUKON TERRITORY

GEOCHEMICAL MAP

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

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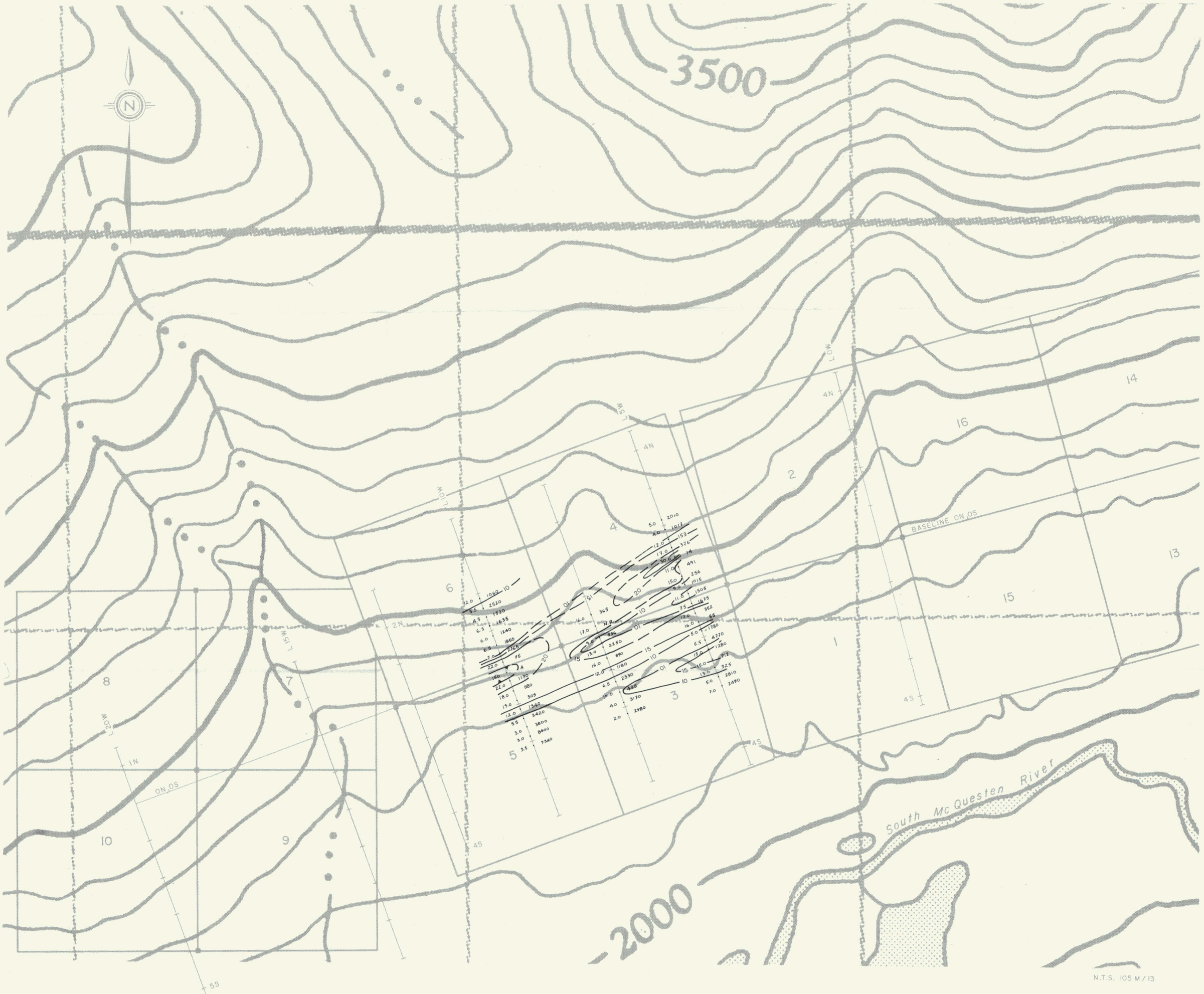
Feb. 22, 1985

Figure 7



N.T.S. 105 M/13

LEGEND

L10W

Percent Frequency Effect (%)		Apparent Resistivity (Ωm)
12.0		1060
5.5		2520
4.5		1530
6.5		1635
6.0		1240

Survey grid line

20 — Isometric contours, percent frequency effect.

Claim boundary, claim post.

Creek.

3500 — Topographic contours, elevation in feet.

Instrument : Sabre Frequency Domain, dipole – dipole array.
n = 1, a = 25 metres.
Survey date: August 15–17, 1984.

MOSAIC RESOURCES LTD.

LAZIER CLAIMS

MAYO MINING DIVISION – YUKON TERRITORY

INDUCED POLARIZATION APPARENT RESISTIVITY

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

091628

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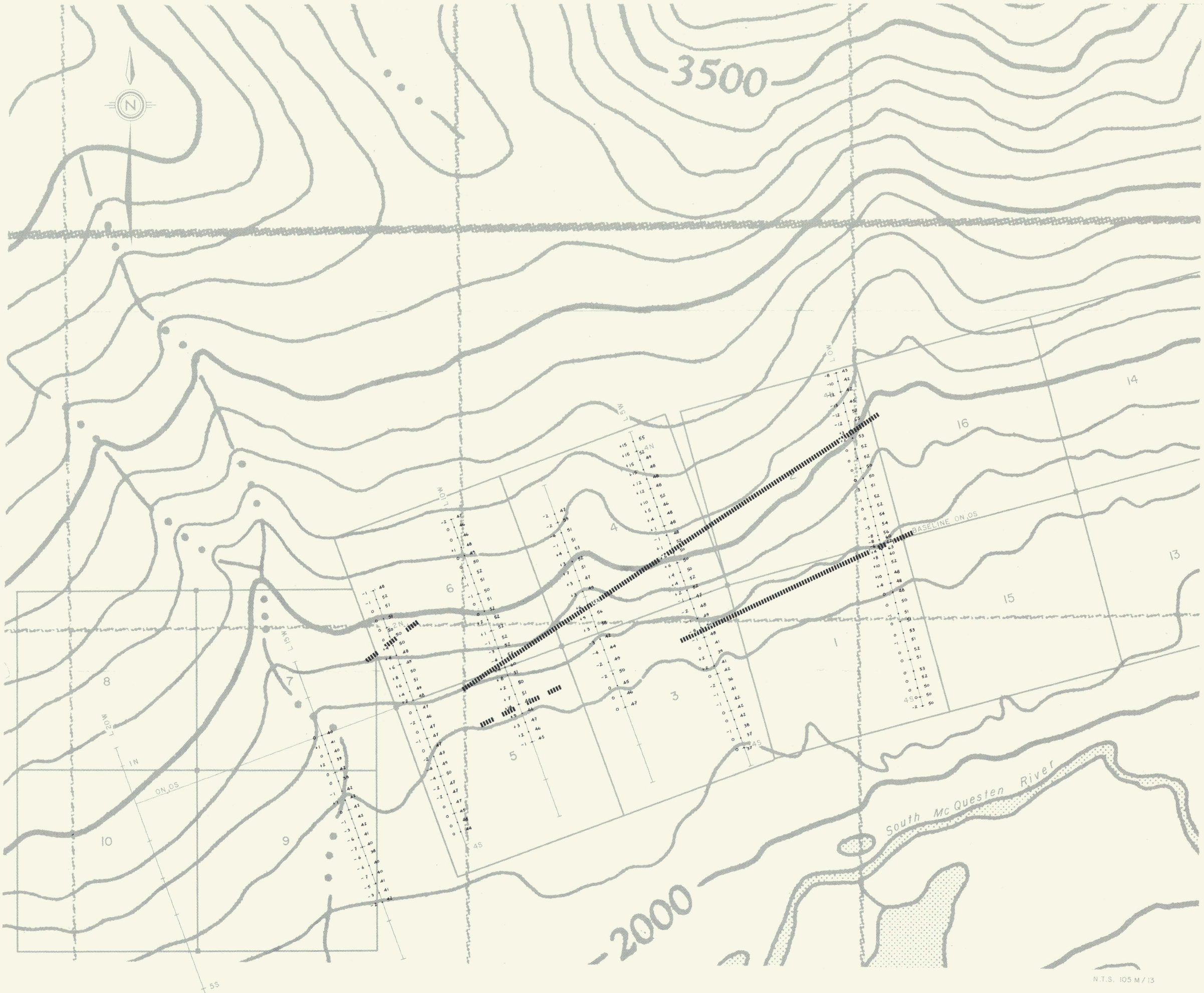
Feb. 22, 1985

Figure 8



N.T.S. 105 M/13

LEGEND

L 10 W

Dip Angle (degrees)	Field Strength (percent)
-2	47
0	46
0	46
+1	48
0	49

Survey grid line

VLF-EM conductor.

Claim boundary, claim post.

Creek.

Topographic contours, elevation in feet. (3500)

Instrument : Sabre Model 27 VLF-EM Receiver
Survey date : August 15 - 17, 1984.
Transmitter : Seattle, Wash.
Operator facing south.

A&M exploration ltd.

Donald F. Allen

MOSAIC RESOURCES LTD.

LAZIER CLAIMS

MAYO MINING DIVISION - YUKON TERRITORY

VLF-EM SURVEY PLAN

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

091628

Feb. 22, 1985

Figure 9

REFERENCES

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Green, L. H. and McTaggart, K. C. (1960). Structural Studies in the Mayo District, Yukon Territory, Proc. Geol. Assoc. Canada, Vol. 12, pp. 119-134.

CERTIFICATE

I, Donald G. Allen, certify that:

1. I am a Consulting Geological Engineer, with offices at Suite 214, 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.

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

5. This report is based upon fieldwork carried out personally on August 8, 1983 and August 16, 1984, and on information listed under References.

6. I hold no interest, nor do I expect to receive any, in the LAZIER claims or in Mosaic Resources 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.

February 26, 1985
Vancouver, B. C.

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

CERTIFICATE

I, Douglas R. MacQuarrie, of the City of Surrey in the Province of British Columbia, do hereby certify that:

1. I am a Consulting Geophysicist of A & M Exploration Ltd., with offices at #214 - 850 West Hastings Street, Vancouver, B.C.

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 upon fieldwork carried out personally from August 15 to 18, 1984, and on information listed under References.

6. I hold no interest, nor do I expect to receive any, in the LAZIER claims or in Mosaic Resources 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.

February 26, 1985
Vancouver, B.C.

Douglas R. MacQuarrie,
B. Sc.

APPENDIX I

ANALYTICAL RESULTS

ROSSBACHER LABORATORY LTD.

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

CERTIFICATE OF ANALYSIS

TO : A&M EXPLORATION LTD.
214-850 W.HASTINGS ST.
VANCOUVER,B.C.

PROJECT: 239

CERTIFICATE#: 84339 - 1
INVOICE#: 5112
DATE ENTERED: JAN.4.1985
FILE NAME: A&M339

PRE FIX	SAMPLE NAME	PPM Mo	PPM Cu	PPM Ag	PPM Zn	PPM Pb	PPB Au	PPM As
S	239 GS 01	2	34	0.6	370	20	10	16
S	2	1	22	0.2	72	12	10	16
S	3	1	26	0.2	18	2	10	22
S	4	1	28	0.4	64	18	10	14
S	5	1	46	1.0	92	34	10	100
S	6	1	28	0.2	74	16	10	30
S	7	1	26	0.2	62	12	10	16
S	8	1	24	0.2	64	16	10	20
S	9	1	26	0.2	70	18	10	30
S	10	1	38	0.4	70	18	10	22
S	239 GS 11	1	28	0.4	70	14	10	22
S	12	1	22	0.2	66	16	10	20
S	13	1	32	0.2	72	20	10	24
S	14	1	24	0.4	64	22	10	14
S	15	1	34	0.4	64	24	10	16
S	16	1	26	0.4	72	18	10	20
S	17	1	30	0.4	74	20	10	16
S	19	1	32	0.2	78	20	10	22
S	20	1	38	0.4	108	22	10	26
S	21	1	42	0.4	92	28	10	28
S	239 GS 22	1	38	0.2	88	26	10	34
S	23	1	36	0.2	98	22	10	34
S	24	1	20	0.2	78	16	10	26
S	25	1	46	0.4	104	18	10	34
S	26	1	46	0.4	104	18	10	30
S	27	1	22	0.2	72	10	10	26
S	28	1	36	0.2	78	22	10	26
S	29	1	20	0.2	68	10	10	16
S	30	1	38	0.2	96	16	10	30
S	31	1	36	0.2	80	12	10	28
S	239 GS 32	1	30	0.2	78	12	10	26
S	33	1	34	0.2	98	14	10	26
S	34	1	46	0.2	108	28	10	30
S	35	1	38	0.2	94	24	10	30
S	36	1	36	0.2	86	22	10	40
S	37	1	18	0.2	112	14	10	32
S	38	1	24	0.2	72	10	10	30
S	39	1	18	0.2	126	10	10	30
S	40	1	52	0.2	160	42	10	66
S	41	1	30	0.2	120	20	10	28

CERTIFIED BY : J. Rossbacher

ROSSBACHER LABORATORY LTD.

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

CERTIFICATE OF ANALYSIS

TO : A&M EXPLORATION LTD.
214-850 W.HASTINGS ST.
VANCOUVER.B.C.

PROJECT: 239

CERTIFICATE#: 84339 - 2
INVOICE#:
DATE ENTERED: JAN.4.1985
FILE NAME: A&M339

PRE FIX	SAMPLE NAME	PPM Mo	PPM Cu	PPM Ag	PPM Zn	PPM Pb	PPB Au	PPM As
S	239 GS 42	1	22	0.2	84	14	10	46
S	43	1	24	0.2	76	12	10	28
S	44	1	30	0.2	86	18	10	28
S	45	1	42	0.6	100	20	10	46
S	46	1	36	0.4	88	26	10	68
S	47	1	76	0.6	72	20	10	28
S	48	1	26	0.2	76	16	10	28
S	49	1	32	0.4	94	20	10	42
S	50	1	44	0.8	106	26	10	50
S	51	1	36	0.2	96	26	10	44
S	239 GS 52	1	28	0.2	84	16	10	30
S	53	1	26	0.2	72	18	10	20
S	54	1	38	0.2	80	14	10	20
S	55	1	36	0.2	72	12	10	20
S	56	1	38	0.2	82	16	10	22
S	57	1	50	0.2	88	18	10	20
S	58	1	36	0.2	78	16	10	20
S	60	1	16	0.2	60	12	10	40
S	61	1	14	0.2	48	8	10	20
S	62	1	22	0.2	94	8	10	54
S	239 GS 63	1	20	0.2	90	10	10	24
S	64	1	30	0.2	106	14	10	50
S	65	1	24	0.2	98	16	10	24
S	66	1	20	0.2	158	14	10	16
S	67	1	24	0.2	76	20	10	26
S	68	1	28	0.2	118	18	10	54
S	69	1	32	0.2	72	10	10	20
S	70	1	26	0.2	82	14	10	34
S	71	1	30	0.4	108	20	10	62
S	72	1	30	0.2	102	26	10	44
S	239 GS 73	1	36	0.2	94	32	10	50
S	74	1	28	0.2	100	28	10	44
S	75	1	34	0.2	210	20	10	40
S	76	1	34	0.2	580	20	10	44
S	77	1	24	0.2	72	12	10	30
S	78	1	26	0.2	72	12	10	28
S	79	1	28	0.2	72	22	10	40
S	80	1	24	0.2	70	14	10	42
S	81	1	32	0.2	84	18	10	44
S	82	1	22	0.2	74	16	10	42

CERTIFIED BY : F. Rossbach

ROSSBACHER LABORATORY LTD.

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

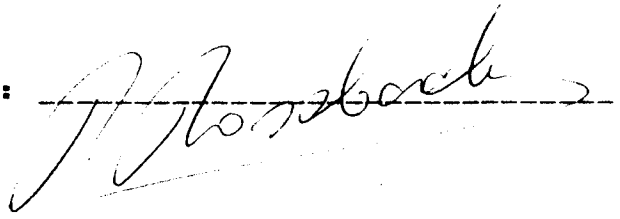
CERTIFICATE OF ANALYSIS

TO : A&M EXPLORATION LTD.
214-850 W.HASTINGS ST.
VANCOUVER,B.C.

PROJECT: 239

CERTIFICATE#: 84339 - 3
INVOICE#:
DATE ENTERED: JAN.4,1985
FILE NAME: A&M339

PRE FIX	SAMPLE NAME	PPM Mo	PPM Cu	PPM Ag	PPM Zn	PPM Pb	PPB Au	PPM As
S	239 GS 83	1	28	0.2	86	20	10	60
S	84	1	26	0.2	74	14	10	32
S	85	1	28	0.2	92	18	10	44
S	86	1	44	0.4	268	32	10	180
S	87	1	24	0.2	96	24	10	160
S	88	1	34	1.0	310	90	30	230
S	89	1	40	1.4	198	134	20	290
S	90	1	30	0.6	140	84	10	132
S	91	1	40	0.8	172	78	10	100
S	239 GS 92	1	38	1.4	150	86	10	88
S	239 WS 01	1	30	0.4	88	24	10	40
S	2	1	30	0.8	80	26	10	42
S	3	1	26	0.2	72	18	10	36
S	4	1	28	0.2	74	16	10	26
S	5	1	24	0.2	60	12	10	26
S	6	1	20	0.2	64	12	10	26
S	7	1	30	0.2	76	18	10	28
S	8	1	24	0.2	84	14	10	28
S	9	1	32	0.2	88	18	10	30
S	10	1	28	0.2	78	16	10	28
S	239 WS 11	1	30	0.2	88	20	10	40
S	12	1	34	0.2	88	18	10	36
S	13	1	36	0.2	82	18	10	32
S	14	1	28	0.2	84	22	10	32
S	15	1	28	0.2	76	16	10	32
S	16	1	26	0.2	78	14	10	34
S	17	1	32	0.2	82	18	10	42
S	18	1	36	0.6	86	26	10	66
S	19	1	28	0.4	72	16	10	76
S	20	1	30	0.4	74	22	10	70
S	239 WS 21	1	28	0.2	70	16	10	40
S	22	1	34	0.2	84	18	10	48
S	23	1	32	0.2	90	14	10	40
S	24	1	30	0.2	80	20	10	40
S	25	1	28	0.2	76	18	10	40
S	26	1	54	0.6	88	32	10	74
S	27	1	48	0.2	76	18	10	48
S	28	1	26	0.2	70	16	10	40
S	29	1	30	0.2	70	18	10	34
S	30	1	36	0.2	80	16	10	40

CERTIFIED BY : 

ROSSBACHER LABORATORY LTD.

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

CERTIFICATE OF ANALYSIS

TO : A&M EXPLORATION LTD.
214-850 W.HASTINGS ST.
VANCOUVER.B.C.

PROJECT: 239

CERTIFICATE#: 84339 - 4
INVOICE#:
DATE ENTERED: JAN.4.1985
FILE NAME: A&M339

PRE FIX	SAMPLE NAME	PPM Mo	PPM Cu	PPM Ag	PPM Zn	PPM Pb	PPB Au	PPM As	
S	239 WS 31	1	30	0.2	64	14	10	32	
S	32	1	38	0.2	72	14	10	34	
S	33	1	36	0.2	90	24	10	50	
S	34	1	26	0.2	94	14	10	30	
S	35	1	32	0.4	92	22	10	42	
S	36	1	28	0.2	96	18	10	48	
S	37	1	36	0.2	104	20	10	40	
S	38	1	38	0.6	98	20	10	46	
S	39	1	32	0.2	94	24	10	48	
S	239 WS 40	1	26	0.2	78	16	10	36	
S	239 AS 70	1	24	0.2	70	14	10	28	
S	71	1	26	0.2	74	14	10	32	
S	72	1	38	0.2	92	22	10	34	
L	L 73	1	26	0.2	82	16	10	28	
S	S 74	1	22	0.2	100	16	10	30	
S	75	1	26	0.2	84	22	10	30	
S	76	1	22	0.2	78	16	10	26	Argent
S	77	1	34	0.2	80	14	10	40	
L	L 78	1	34	0.2	94	20	10	30	
S	S 79	1	24	0.2	68	10	10	22	
L	239 AL 80	1	26	0.2	138	16	440	92	
S	S 81	1	58	0.4	90	22	10	54	
S	82	7	28	0.6	94	28	10	40	
S	83	2	28	0.4	222	74	10	90	
S	85	1	56	0.2	94	26	10	94	Laura
S	86	1	72	0.2	104	36	10	226	
S	87	1	92	0.4	110	26	10	54	
S	88	2	32	0.4	98	22	10	66	
S	90	1	24	0.2	84	18	10	26	L S 0+00 S
S	91	1	48	1.4	268	86	10	56	0+12
S	239 AS 92	1	32	0.2	94	30	10	30	0+30
S	93	2	44	0.8	640	58	10	50	0+66
S	94	2	44	0.2	100	18	10	100	1+13
S	95	1	42	0.2	90	18	10	36	1+25
S	96	1	38	0.2	84	18	10	26	1+37
S	97	1	20	0.2	72	12	10	14	1+62
S	98	1	16	0.2	194	12	10	24	1+77
S	99	1	28	0.2	66	12	10	22	1+87
S	239 AS 100	1	24	0.2	176	12	10	14	2+00
S	239 MS 01	1	34	0.6	84	14	10	60	

Lazier

CERTIFIED BY : J. Rossbacher

ROSSBACHER LABORATORY LTD.

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

CERTIFICATE OF ANALYSIS

TO : A&M EXPLORATION LTD.
214-850 W.HASTINGS ST.
VANCOUVER,B.C.

PROJECT: 239

CERTIFICATE#: 84339 - 5
INVOICE#:
DATE ENTERED: JAN.4.1985
FILE NAME: A&M339

PRE FIX	SAMPLE NAME		PPM Mo	PPM Cu	PPM Ag	PPM Zn	PPM Pb	PPB Au	PPM As
S	239 MS	2	1	44	0.2	74	14	10	30
S		3	1	30	0.2	72	28	10	28
S		4	1	52	0.4	78	24	10	40
S		5	1	36	0.4	76	18	10	30
S		6	1	18	0.2	48	10	10	22
S		7	1	20	0.2	64	12	10	22
S		8	1	18	0.2	72	10	10	40
S		9	1	20	0.2	176	22	10	32
S		10	1	26	0.4	110	20	10	54
S		11	1	36	0.6	96	22	10	48
S	239 MS	12	1	48	0.4	84	20	10	40
S		13	1	38	0.4	76	20	10	36
S		14	1	66	0.4	94	26	10	44
S		15	1	34	0.2	76	20	10	46
S		16	1	68	0.2	90	24	10	34
S		17	1	26	0.2	68	16	10	32
S		18	1	30	0.2	74	18	10	30
S		19	1	30	0.2	80	18	10	40
S		20	1	26	0.2	72	16	10	26
S		21	1	26	0.2	68	14	10	26
S	239 MS	22	1	30	0.2	76	16	10	28
S		23	1	24	0.2	72	20	10	22
S		24	1	24	0.2	78	16	10	20
S		25	1	28	0.2	80	16	10	20
S		26	1	26	0.2	82	14	10	20
S		27	1	26	0.2	74	14	10	26
S	239 MS	28	1	24	0.2	76	14	10	20
S	239 SS	01	1	34	0.2	72	16	10	16
S		2	1	46	0.4	108	24	10	26
S		3	1	44	0.4	76	20	10	22
S		4	1	32	0.2	82	26	20	30
S		5	1	38	0.2	82	22	10	40
S		6	1	28	0.2	78	22	10	46
S		7	1	26	0.4	84	16	10	72
S		8	1	22	0.2	74	20	10	44
S		9	1	28	0.2	80	24	10	48
S	239 SS	10	1	28	0.2	72	16	10	30
L	239 BL	11	1	24	0.2	88	14	10	30
S	S	12	2	28	0.4	80	26	10	40
S		13	1	28	0.2	86	24	10	50

CERTIFIED BY : J. Rossbach

ROSSBACHER LABORATORY LTD.

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

CERTIFICATE OF ANALYSIS

TO : A&M EXPLORATION LTD.
214-850 W.HASTINGS ST.
VANCOUVER,B.C.

PROJECT: 239

CERTIFICATE#: 84339 - 6
INVOICE#:
DATE ENTERED: JAN.4.1985
FILE NAME: A&M339

PRE FIX	SAMPLE NAME		PPM Mo	PPM Cu	PPM Ag	PPM Zn	PPM Pb	PPB Au	PPM As
S	239 BS	14	1	24	0.4	80	26	10	24
S		15	1	14	0.2	82	14	10	20
S		16	1	32	0.2	84	22	10	34
S		17	1	28	0.4	90	16	10	42
L	L	18	36	28	0.4	160	8	10	54
S	S	19	2	38	0.4	100	42	10	68
S		20	1	12	0.2	42	16	10	20
T	239 AT	61	1	12	0.2	40	26	10	20
T		62	1	22	1.0	148	36	10	20
T		63	1	44	0.8	1210	152	10	14
T		64	1	72	9.2	1080	5600	10	14
T		65	2	106	0.8	1770	180	10	30
T	239 AT	84	1	8	0.2	24	26	10	110
T	239 MT	29	1	88	0.6	88	16	10	44

CERTIFIED BY : Rossbach

APPENDIX II

FREQUENCY AND CUMULATIVE FREQUENCY PLOTS OF GEOCHEMICAL RESULTS

ROSSBACHER LABORATORY LTD.

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

STATISTICAL REPORT

TO : A&M EXPLORATION LTD.
214-850 W. HASTINGS STREET
VANCOUVER, B.C.

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
ELEMENT & UNIT: Ag PPM
SAMPLE TYPE: SOIL

CLASS INTERVAL	CLASS FREQUENCY	RELATIVE FREQUENCY%	CUMULATIVE FREQUENCY%	CLASS MEAN
0.0 - 0.1	0	0.00	0.00	0.00
0.2 - 0.2	147	72.77	72.77	0.20
0.3 - 0.3	0	0.00	72.77	0.00
0.4 - 0.4	36	17.82	90.59	0.40
0.5 - 0.5	0	0.00	90.59	0.00
0.6 - 0.6	10	4.95	95.54	0.60
0.7 - 0.7	0	0.00	95.54	0.00
0.8 - 0.8	4	1.98	97.52	0.80
0.9 - 0.9	0	0.00	97.52	0.00
1.0 - 1.0	2	0.99	98.51	1.00
1.1 - 1.1	0	0.00	98.51	0.00
1.2 - 1.2	0	0.00	98.51	0.00
1.3 - 1.3	0	0.00	98.51	0.00
1.4 - 1.4	3	1.49	100.00	1.40

NUMBER OF SAMPLES: 202

ARITHMETIC MEAN : 0.29

STANDARD DEVIATION : 0.21

MINIMUM VALUE : 0.20

MAXIMUM VALUE : 1.40

DETECTION LIMIT : 0.20 PPM

ROSSBACHER LABORATORY LTD.

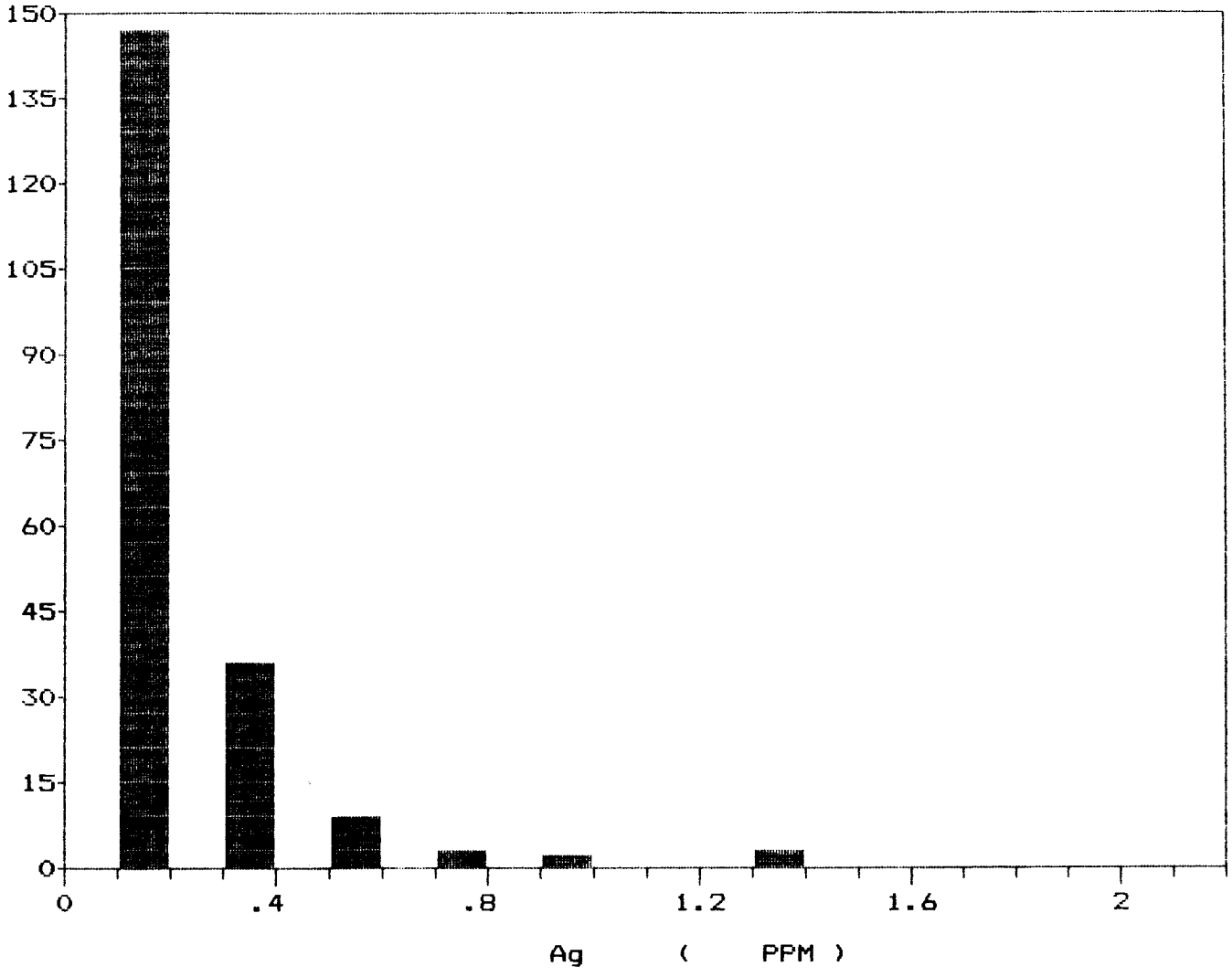
2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

STATISTICAL REPORT

TO : A&M EXPLORATION LTD.
214-850 W. HASTINGS STREET
VANCOUVER, B.C.

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
ELEMENT & UNIT: Ag PPM
SAMPLE TYPE: SOIL

Ag FREQUENCY HISTOGRAM



ROSSBACHER LABORATORY LTD.

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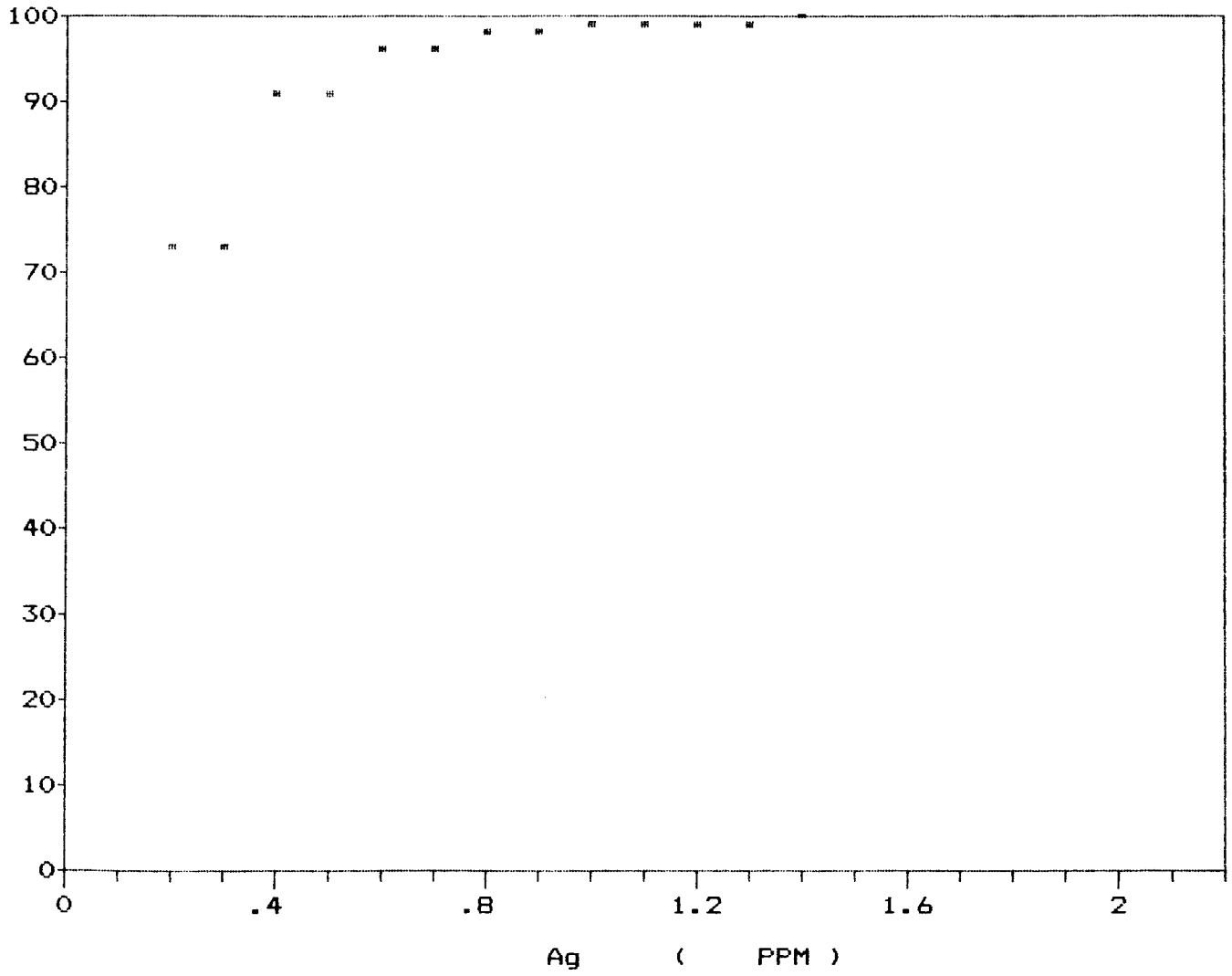
STATISTICAL REPORT

TO : A&M EXPLORATION LTD.
214-850 W. HASTINGS STREET
VANCOUVER, B.C.

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
ELEMENT & UNIT: Ag PPM
SAMPLE TYPE: SOIL

Ag CUMULATIVE FREQUENCY HISTOGRAM



ROSSBACHER LABORATORY LTD.

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

STATISTICAL REPORT

J : A&M EXPLORATION CO LTD.
214-850 W. HASTINGS STREET
VANCOUVER, B.C.

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
ELEMENT & UNIT: Au PPB
SAMPLE TYPE: SOIL

CLASS INTERVAL	CLASS FREQUENCY	RELATIVE FREQUENCY%	CUMULATIVE FREQUENCY%	CLASS MEAN
0 - 1	0	0.00	0.00	0.00
2 - 2	0	0.00	0.00	0.00
3 - 3	0	0.00	0.00	0.00
4 - 4	0	0.00	0.00	0.00
5 - 5	0	0.00	0.00	0.00
6 - 6	0	0.00	0.00	0.00
7 - 7	0	0.00	0.00	0.00
8 - 8	0	0.00	0.00	0.00
9 - 9	0	0.00	0.00	0.00
10 - 10	199	98.51	98.51	10.00
11 - 11	0	0.00	98.51	0.00
12 - 12	0	0.00	98.51	0.00
13 - 13	0	0.00	98.51	0.00
14 - 14	0	0.00	98.51	0.00
15 - 15	0	0.00	98.51	0.00
16 - 16	0	0.00	98.51	0.00
17 - 17	0	0.00	98.51	0.00
18 - 18	0	0.00	98.51	0.00
19 - 19	0	0.00	98.51	0.00
20 - 20	2	0.99	99.50	20.00
21 - 21	0	0.00	99.50	0.00
22 - 22	0	0.00	99.50	0.00
23 - 23	0	0.00	99.50	0.00
24 - 24	0	0.00	99.50	0.00
25 - 25	0	0.00	99.50	0.00
26 - 26	0	0.00	99.50	0.00
27 - 27	0	0.00	99.50	0.00
28 - 28	0	0.00	99.50	0.00
29 - 29	0	0.00	99.50	0.00
30 - 30	1	0.50	100.00	30.00

NUMBER OF SAMPLES: 202

ARITHMETIC MEAN : 10.20

STANDARD DEVIATION : 1.70

MINIMUM VALUE : 10.00

MAXIMUM VALUE : 30.00

DETECTION LIMIT : 10.00 PPB

ROSSBACHER LABORATORY LTD.

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

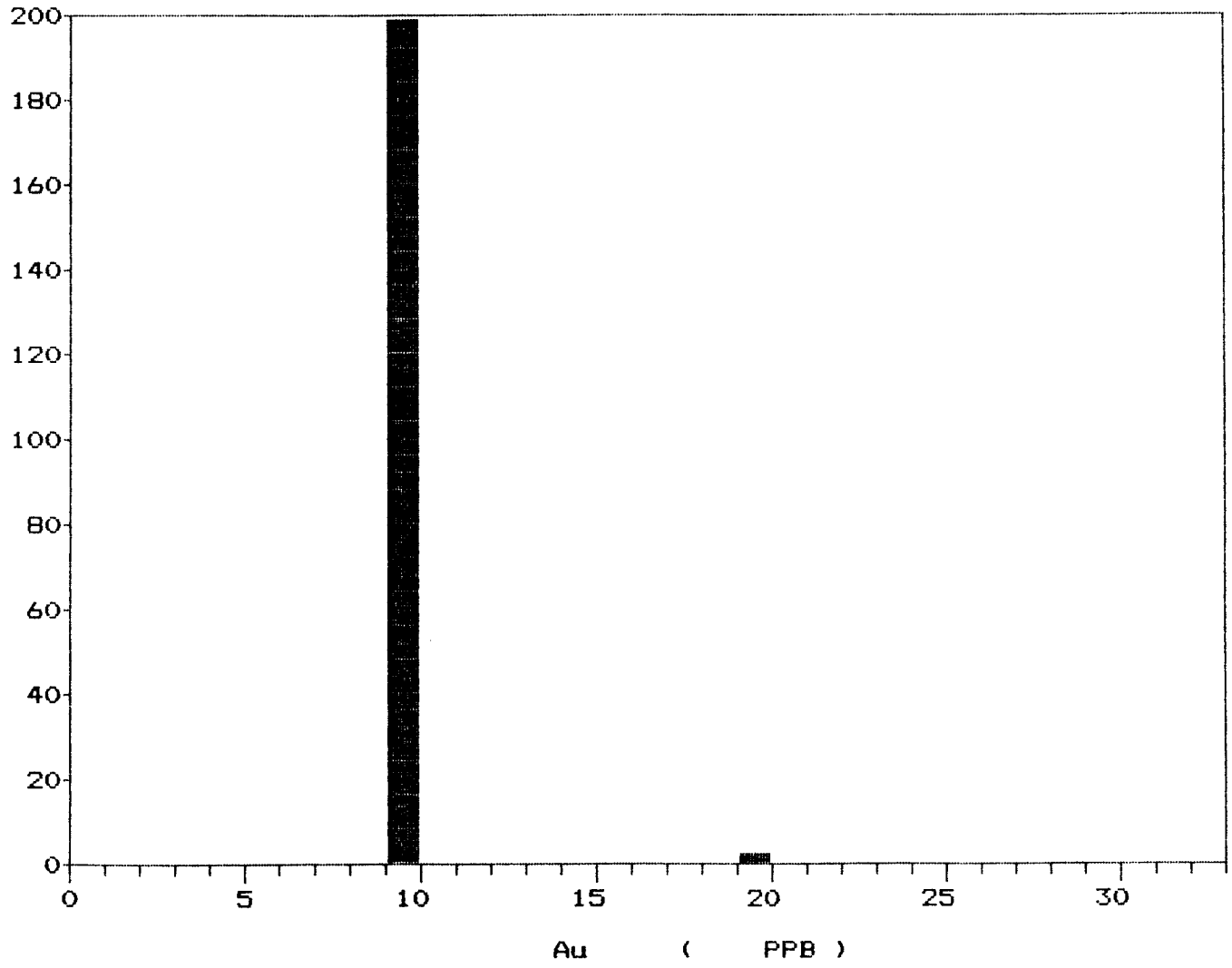
STATISTICAL REPORT

TO : A&M EXPLORATION CO LTD.
214-850 W. HASTINGS STREET
VANCOUVER, B.C.

ELEMENT & UNIT: Au PPB

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
SAMPLE TYPE: SOIL

Au FREQUENCY HISTOGRAM



ROSSBACHER LABORATORY LTD.

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

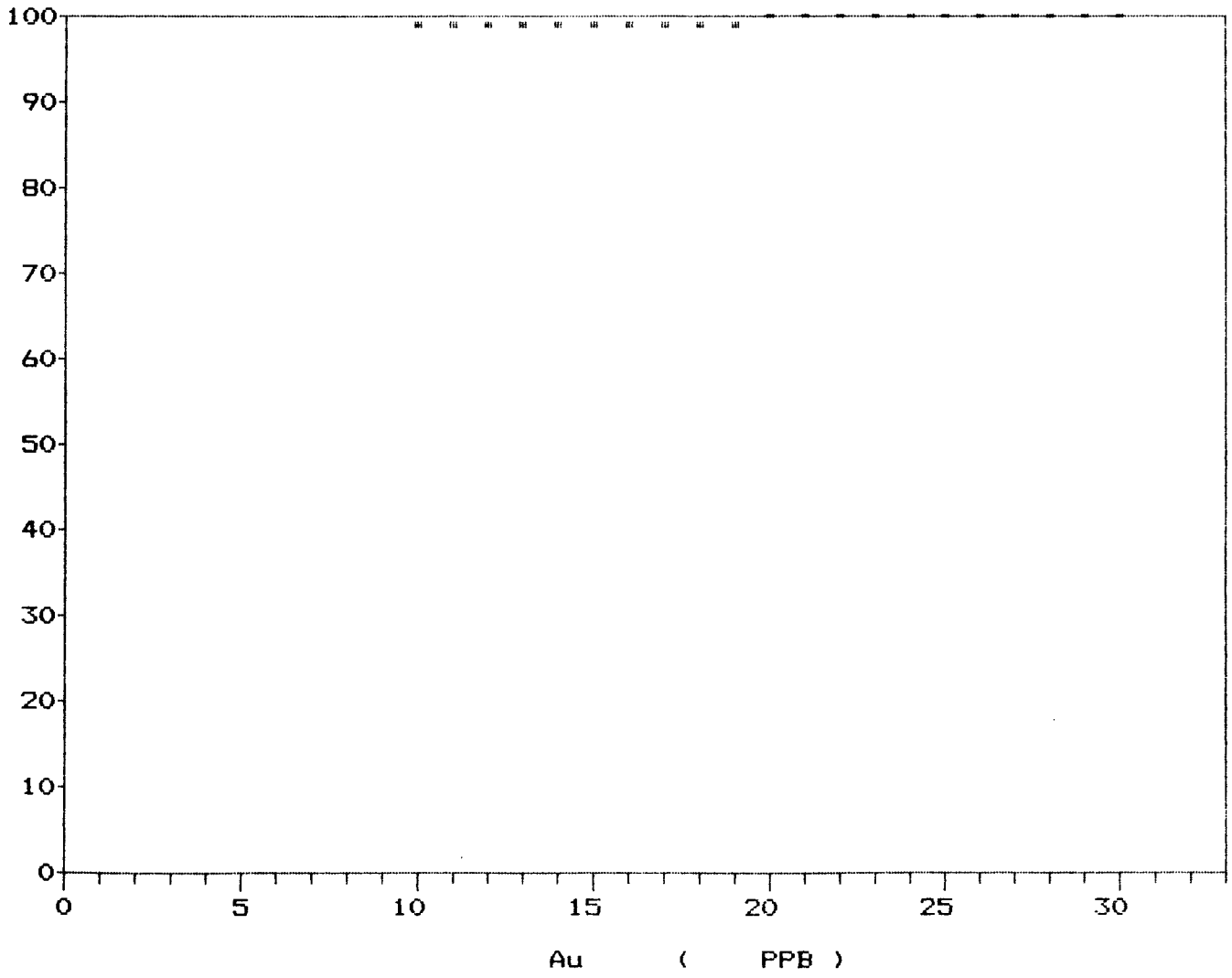
STATISTICAL REPORT

TO : A&M EXPLORATION CO LTD.
214-850 W. HASTINGS STREET
VANCOUVER, B.C.

ELEMENT & UNIT: Au PPB

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
SAMPLE TYPE: SOIL

Au CUMULATIVE FREQUENCY HISTOGRAM



ROSSBACHER LABORATORY LTD.

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

STATISTICAL REPORT

TO : A&M EXPLORATION LTD.
214-850 W. HASTINGS STREET
VANCOUVER, B.C.

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
ELEMENT & UNIT: As PPM
SAMPLE TYPE: SOIL

CLASS INTERVAL	CLASS FREQUENCY	RELATIVE FREQUENCY%	CUMULATIVE FREQUENCY%	CLASS MEAN
0 - 13	0	0.00	0.00	0.00
14 - 26	61	30.20	30.20	21.44
27 - 39	58	28.71	58.91	31.03
40 - 52	53	26.24	85.15	43.47
53 - 65	9	4.46	89.61	56.44
66 - 78	9	4.46	94.07	69.56
79 - 91	2	0.99	95.06	89.00
92 - 104	4	1.98	97.04	98.50
105 - 117	0	0.00	97.04	0.00
118 - 130	0	0.00	97.04	0.00
131 - 143	1	0.50	97.54	132.00
144 - 156	0	0.00	97.54	0.00
157 - 169	1	0.50	98.04	160.00
170 - 182	1	0.50	98.54	180.00
183 - 195	0	0.00	98.54	0.00
196 - 208	0	0.00	98.54	0.00
209 - 221	0	0.00	98.54	0.00
222 - 234	2	0.99	99.53	228.00
235 - 247	0	0.00	99.53	0.00
248 - 260	0	0.00	99.53	0.00
261 - 273	0	0.00	99.53	0.00
274 - 286	0	0.00	99.53	0.00
287 - 299	1	0.50	100.00	290.00

NUMBER OF SAMPLES: 202

ARITHMETIC MEAN : 41.27

STANDARD DEVIATION : 34.01

MINIMUM VALUE : 14.00

MAXIMUM VALUE : 290.00

DETECTION LIMIT : 2.00 PPM

ROSSBACHER LABORATORY LTD.

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

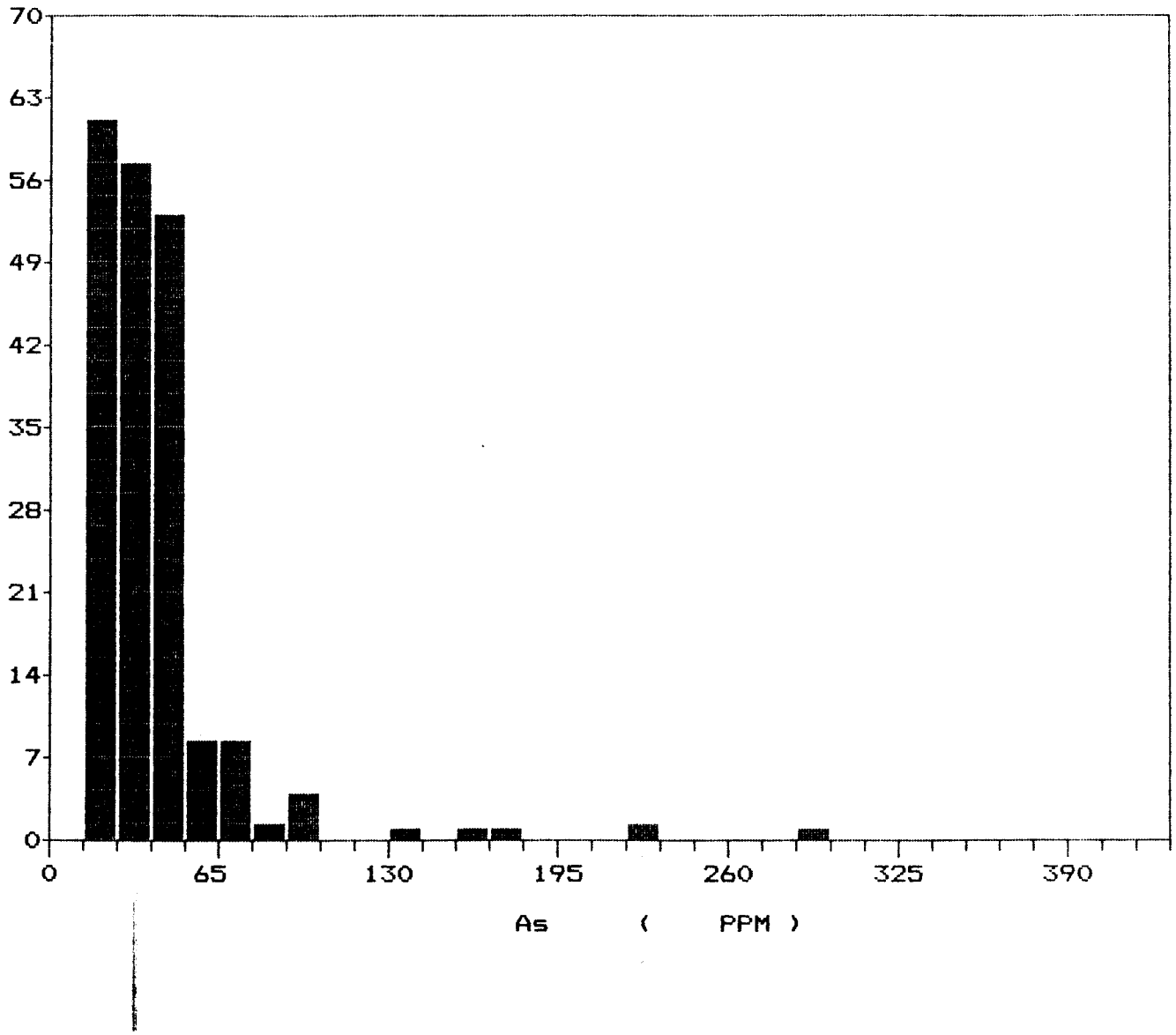
STATISTICAL REPORT

TO : A&M EXPLORATION LTD.
214-850 W. HASTINGS STREET
VANCOUVER, B.C.

ELEMENT & UNIT: As PPM

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
SAMPLE TYPE: SOIL

As FREQUENCY HISTOGRAM



ROSSBACHER LABORATORY LTD.

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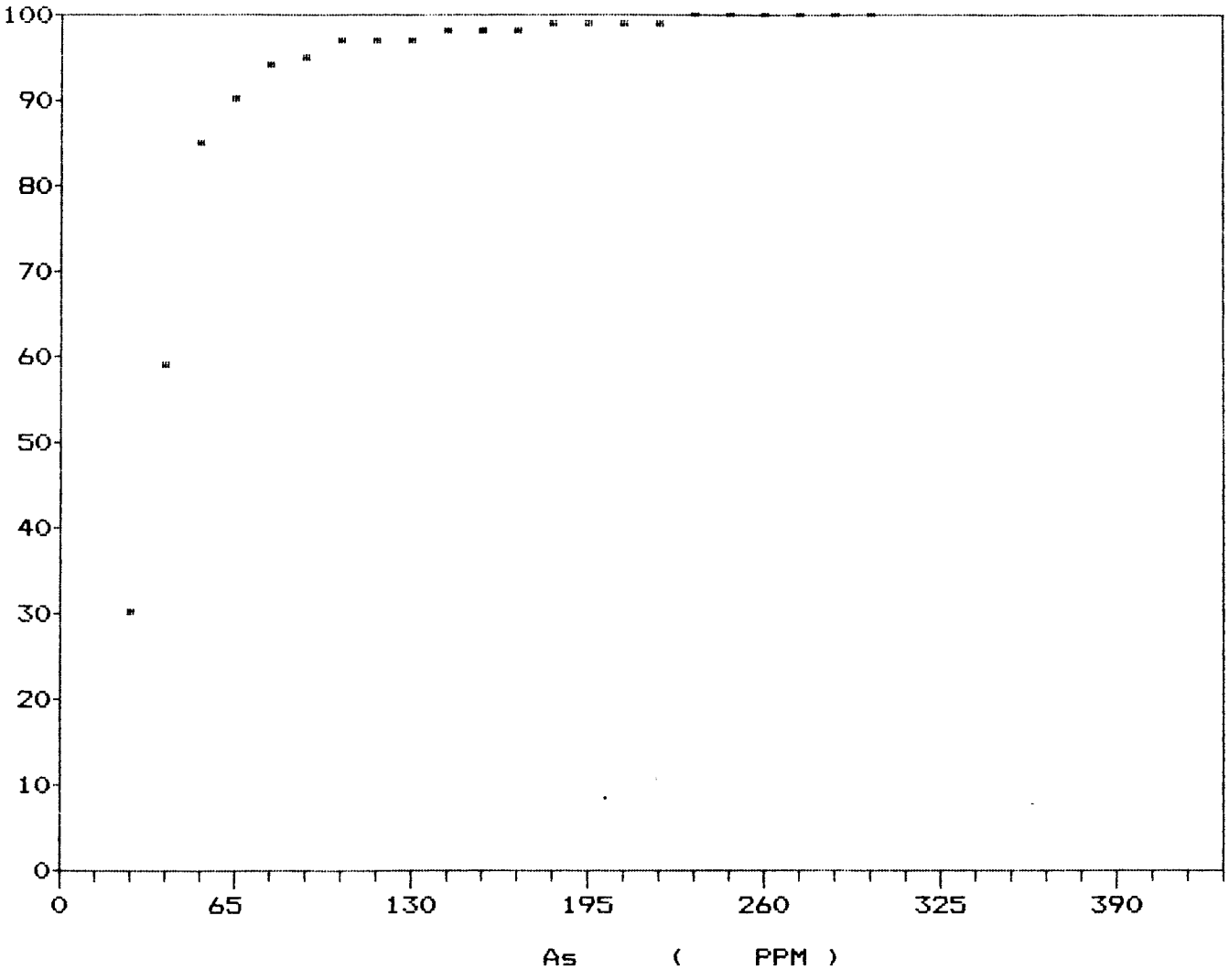
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

STATISTICAL REPORT

TO : A&M EXPLORATION LTD.
214-850 W. HASTINGS STREET
VANCOUVER, B.C.

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
ELEMENT & UNIT: As PPM
SAMPLE TYPE: SOIL

As CUMULATIVE FREQUENCY HISTOGRAM



ROSSBACHER LABORATORY LTD.

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

STATISTICAL REPORT

TO : A&M EXPLORATION LTD.
214-850 W. HASTINGS STREET
VANCOUVER, B.C.

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
ELEMENT & UNIT: Cu PPM
SAMPLE TYPE: SOIL

CLASS INTERVAL	CLASS FREQUENCY	RELATIVE FREQUENCY%	CUMULATIVE FREQUENCY%	CLASS MEAN
0 - 4	0	0.00	0.00	0.00
5 - 8	0	0.00	0.00	0.00
9 - 12	1	0.50	0.50	12.00
13 - 16	4	1.98	2.48	15.00
17 - 20	12	5.94	8.42	19.33
21 - 24	28	13.86	22.28	23.36
25 - 28	50	24.75	47.03	27.08
29 - 32	34	16.83	63.86	30.82
33 - 36	28	13.86	77.72	35.14
37 - 40	17	8.42	86.14	38.24
41 - 44	9	4.46	90.60	43.33
45 - 48	8	3.96	94.56	46.75
49 - 52	3	1.49	96.05	51.33
53 - 56	2	0.99	97.04	55.00
57 - 60	1	0.50	97.54	58.00
61 - 64	0	0.00	97.54	0.00
65 - 68	2	0.99	98.53	67.00
69 - 72	1	0.50	99.03	72.00
73 - 76	1	0.50	99.53	76.00
77 - 80	0	0.00	99.53	0.00
81 - 84	0	0.00	99.53	0.00
85 - 88	0	0.00	99.53	0.00
89 - 92	1	0.50	100.00	92.00

NUMBER OF SAMPLES: 202

ARITHMETIC MEAN : 31.95

STANDARD DEVIATION : 10.76

MINIMUM VALUE : 12.00

MAXIMUM VALUE : 92.00

DETECTION LIMIT : 1.00 PPM

ROSSBACHER LABORATORY LTD.

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

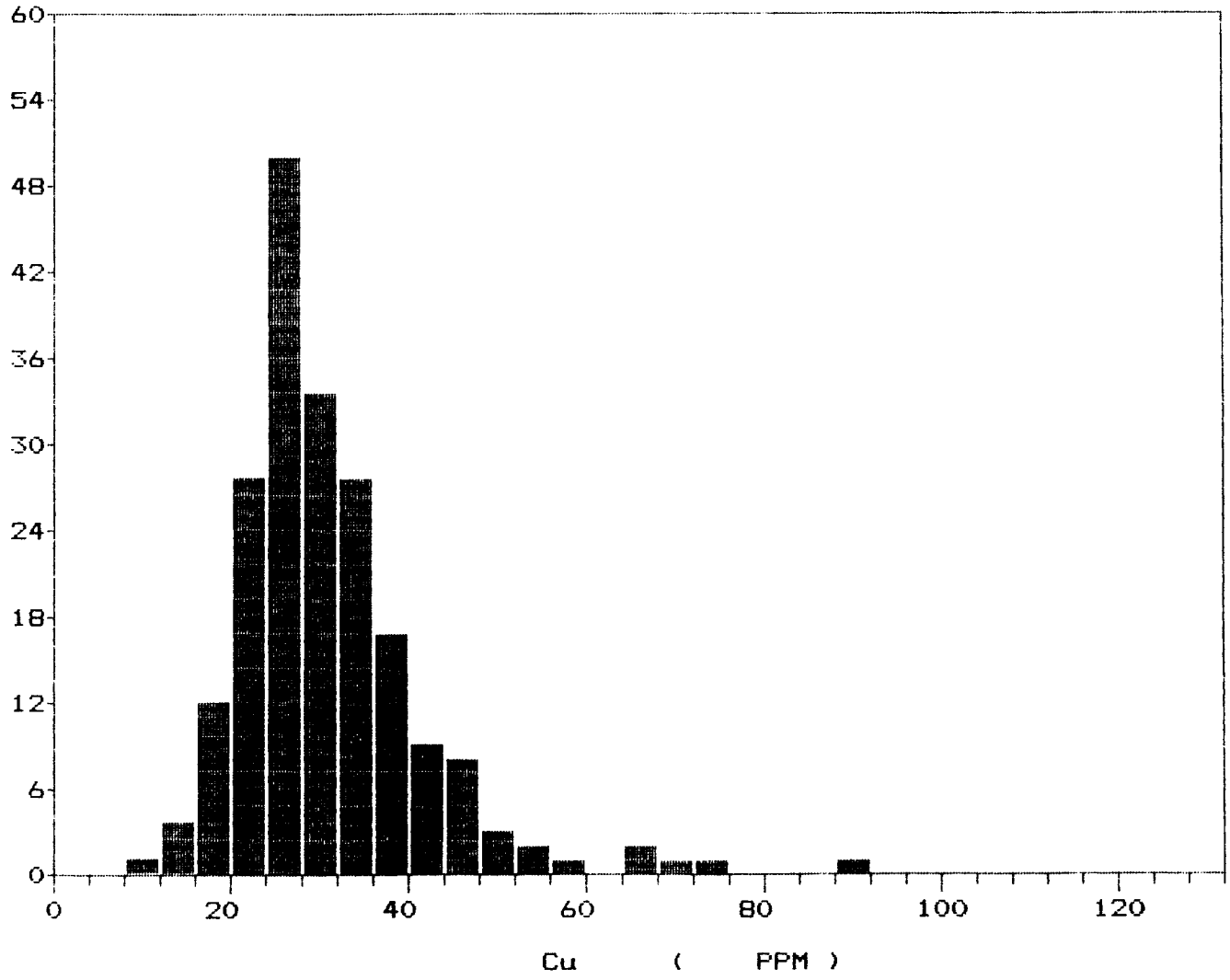
STATISTICAL REPORT

TO : A&M EXPLORATION LTD.
214-850 W. HASTINGS STREET
VANCOUVER, B.C.

ELEMENT & UNIT: Cu PPM

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
SAMPLE TYPE: SOIL

Cu FREQUENCY HISTOGRAM



ROSSBACHER LABORATORY LTD.

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

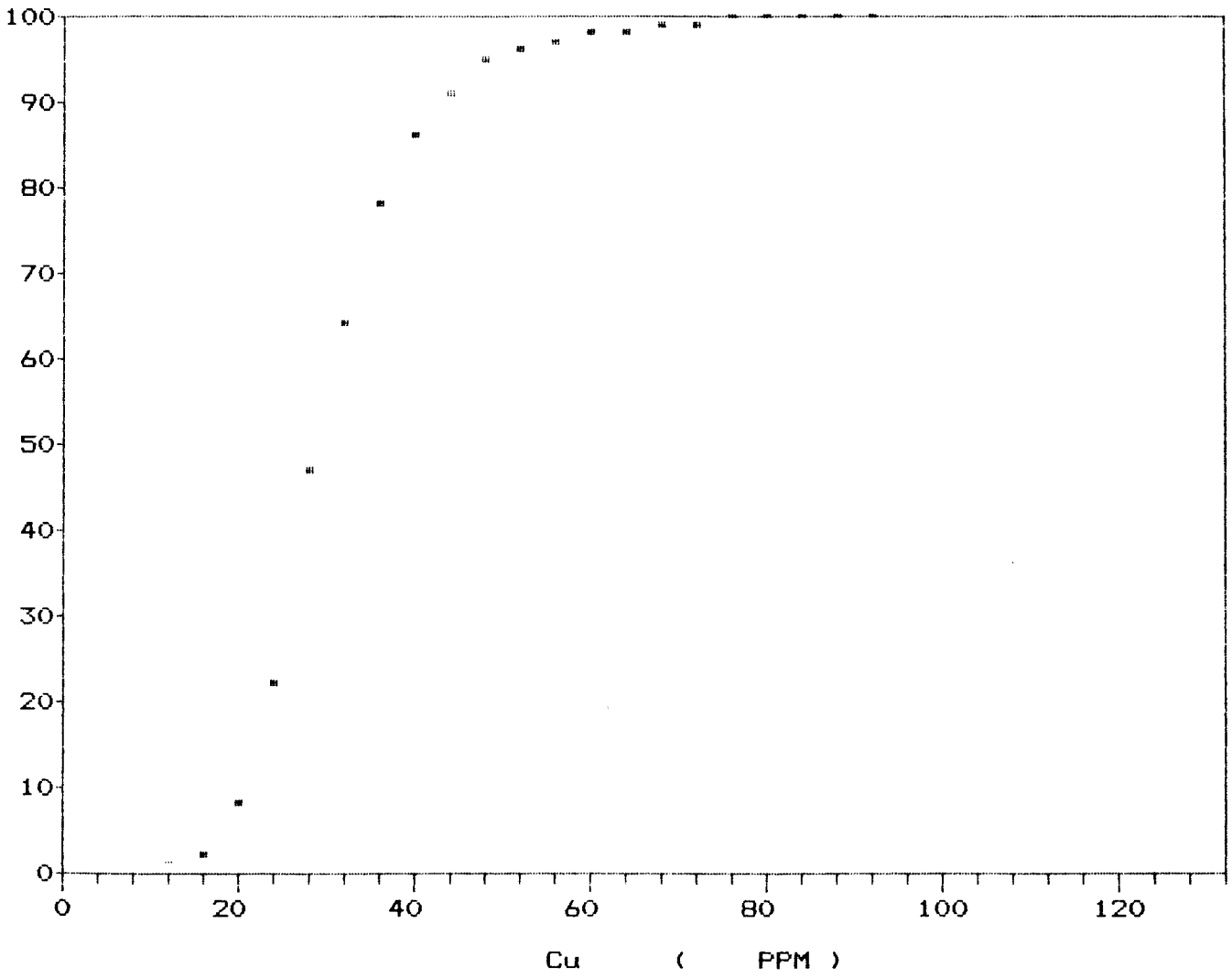
STATISTICAL REPORT

TO : A&M EXPLORATION LTD.
214-850 W. HASTINGS STREET
VANCOUVER, B.C.

ELEMENT & UNIT: Cu PPM

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
SAMPLE TYPE: SOIL

Cu CUMULATIVE FREQUENCY HISTOGRAM



ROSSBACHER LABORATORY LTD.

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

STATISTICAL REPORT

ㄱ : A&M EXPLORATION LTD.
214-850 W. HASTINGS STREET
VANCOUVER, B.C.

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
ELEMENT & UNIT: Zn PPM
SAMPLE TYPE: SOIL

CLASS INTERVAL	CLASS FREQUENCY	RELATIVE FREQUENCY%	CUMULATIVE FREQUENCY%	CLASS MEAN
0 - 28	1	0.50	0.50	18.00
29 - 56	3	1.49	1.99	46.00
57 - 84	114	56.44	58.43	74.95
85 - 112	64	31.68	90.11	95.75
113 - 140	4	1.98	92.09	126.00
141 - 168	3	1.49	93.58	156.00
169 - 196	4	1.98	95.56	179.50
197 - 224	3	1.49	97.05	210.00
225 - 252	0	0.00	97.05	0.00
253 - 280	2	0.99	98.04	268.00
281 - 308	0	0.00	98.04	0.00
309 - 336	1	0.50	98.54	310.00
337 - 364	0	0.00	98.54	0.00
365 - 392	1	0.50	99.04	370.00
393 - 420	0	0.00	99.04	0.00
421 - 448	0	0.00	99.04	0.00
449 - 476	0	0.00	99.04	0.00
477 - 504	0	0.00	99.04	0.00
505 - 532	0	0.00	99.04	0.00
533 - 560	0	0.00	99.04	0.00
561 - 588	1	0.50	99.54	580.00
589 - 616	0	0.00	99.54	0.00
617 - 644	1	0.50	100.00	640.00

NUMBER OF SAMPLES: 202

ARITHMETIC MEAN : 96.95

STANDARD DEVIATION : 65.55

MINIMUM VALUE : 18.00

MAXIMUM VALUE : 640.00

DETECTION LIMIT : 1.00 PPM

ROSSBACHER LABORATORY LTD.

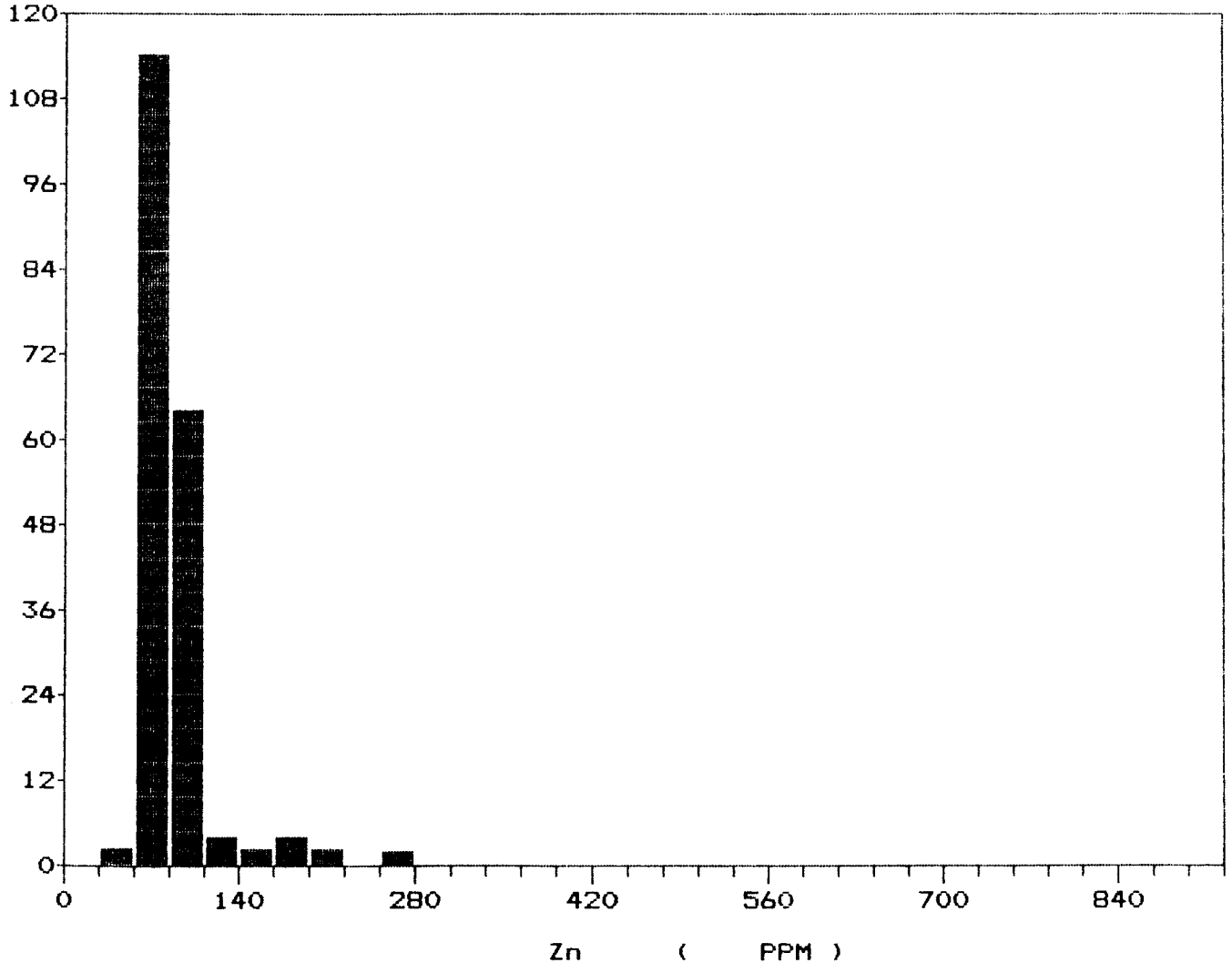
2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

STATISTICAL REPORT

TO : A&M EXPLORATION LTD.
214-850 W. HASTINGS STREET
VANCOUVER, B.C.

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
ELEMENT & UNIT: Zn PPM
SAMPLE TYPE: SOIL

Zn FREQUENCY HISTOGRAM



ROSSBACHER LABORATORY LTD.

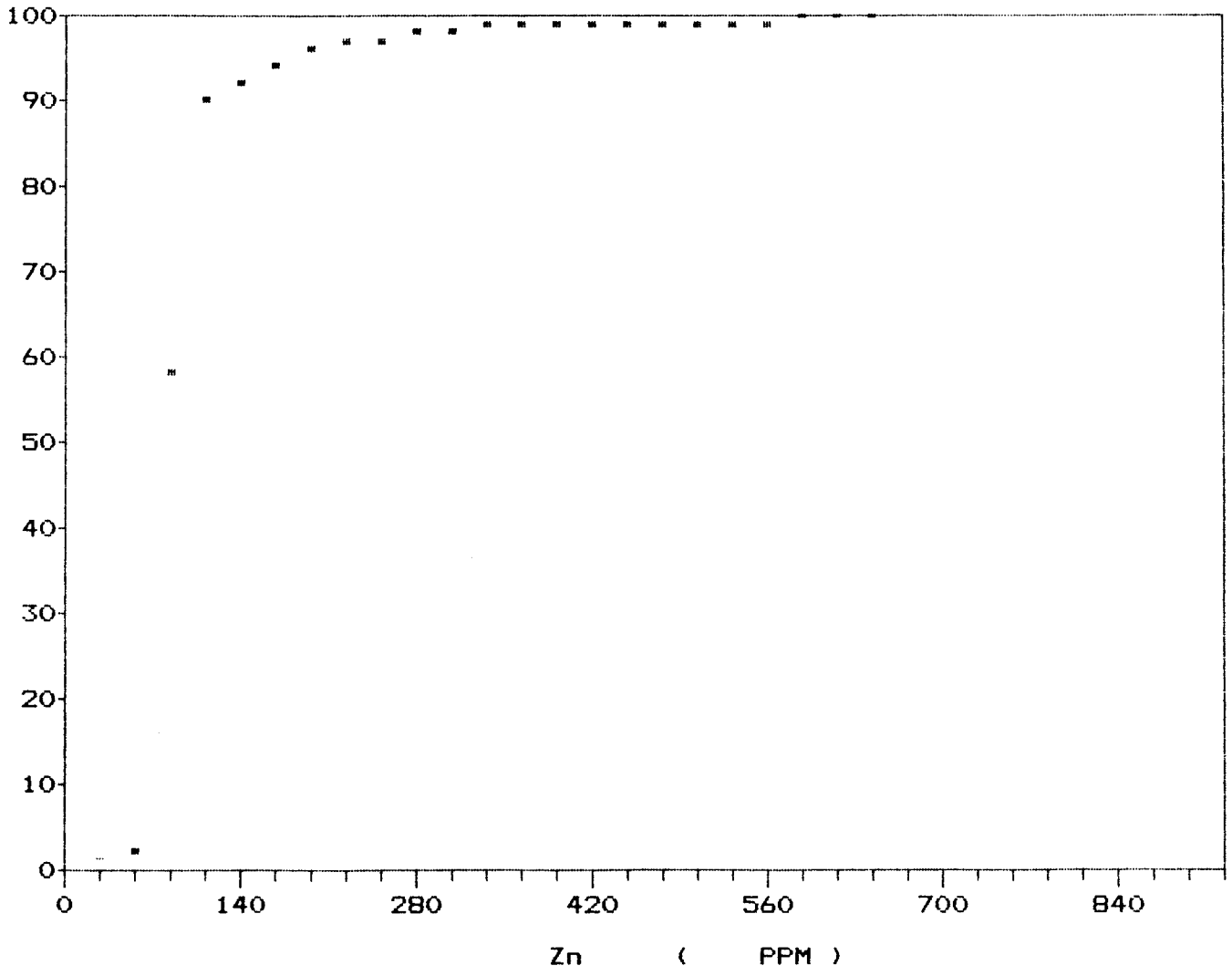
2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

STATISTICAL REPORT

J : A&M EXPLORATION LTD.
214-850 W. HASTINGS STREET
VANCOUVER, B.C.

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
ELEMENT & UNIT: Zn PPM
SAMPLE TYPE: SOIL

Zn CUMULATIVE FREQUENCY HISTOGRAM



ROSSBACHER LABORATORY LTD.

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

STATISTICAL REPORT

TO : A&M EXPLORATION LTD.
214-850 W. HASYINGS STREET
VANCOUVER, B.C.

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
ELEMENT & UNIT: Pb PPM
SAMPLE TYPE: SOIL

CLASS INTERVAL	CLASS FREQUENCY	RELATIVE FREQUENCY%	CUMULATIVE FREQUENCY%	CLASS MEAN
0 - 6	1	0.50	0.50	2.00
7 - 12	27	13.37	13.87	11.04
13 - 18	87	43.07	56.94	16.09
19 - 24	53	26.24	83.18	21.51
25 - 30	19	9.41	92.59	26.74
31 - 36	5	2.48	95.07	33.20
37 - 42	2	0.99	96.06	42.00
43 - 48	0	0.00	96.06	0.00
49 - 54	0	0.00	96.06	0.00
55 - 60	1	0.50	96.56	58.00
61 - 66	0	0.00	96.56	0.00
67 - 72	0	0.00	96.56	0.00
73 - 78	2	0.99	97.55	76.00
79 - 84	1	0.50	98.05	84.00
85 - 90	3	1.49	99.54	87.33
91 - 96	0	0.00	99.54	0.00
97 - 102	0	0.00	99.54	0.00
103 - 108	0	0.00	99.54	0.00
109 - 114	0	0.00	99.54	0.00
115 - 120	0	0.00	99.54	0.00
121 - 126	0	0.00	99.54	0.00
127 - 132	0	0.00	99.54	0.00
133 - 138	1	0.50	100.00	134.00

NUMBER OF SAMPLES: 202

ARITHMETIC MEAN : 21.23

STANDARD DEVIATION : 14.99

MINIMUM VALUE : 2.00

MAXIMUM VALUE : 134.00

DETECTION LIMIT : 1.00 PPM

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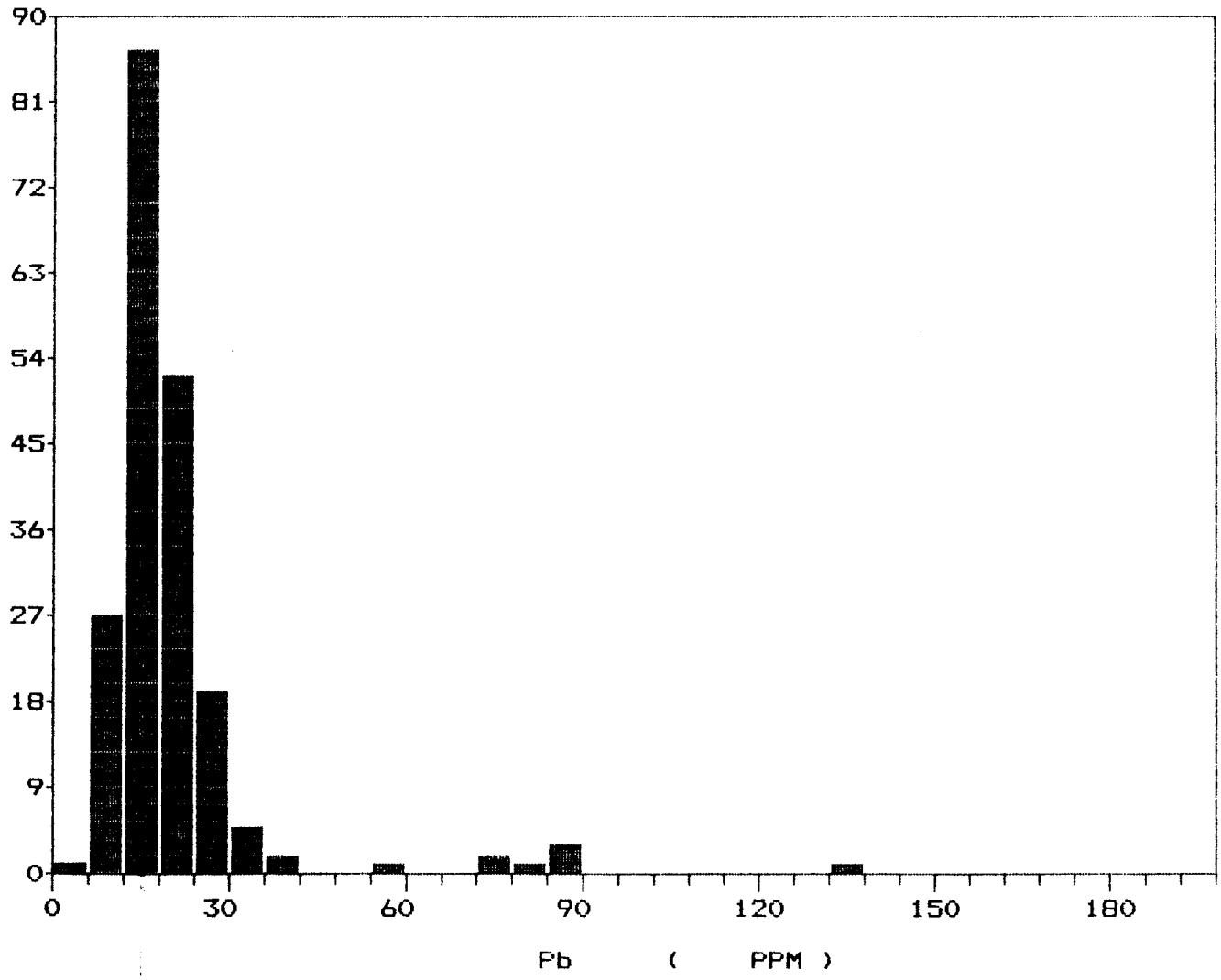
STATISTICAL REPORT

TO : A&M EXPLORATION LTD.
214-850 W. HASYINGS STREET
VANCOUVER, B.C.

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
ELEMENT & UNIT: Pb PPM
SAMPLE TYPE: SOIL

Pb FREQUENCY HISTOGRAM



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STATISTICAL REPORT

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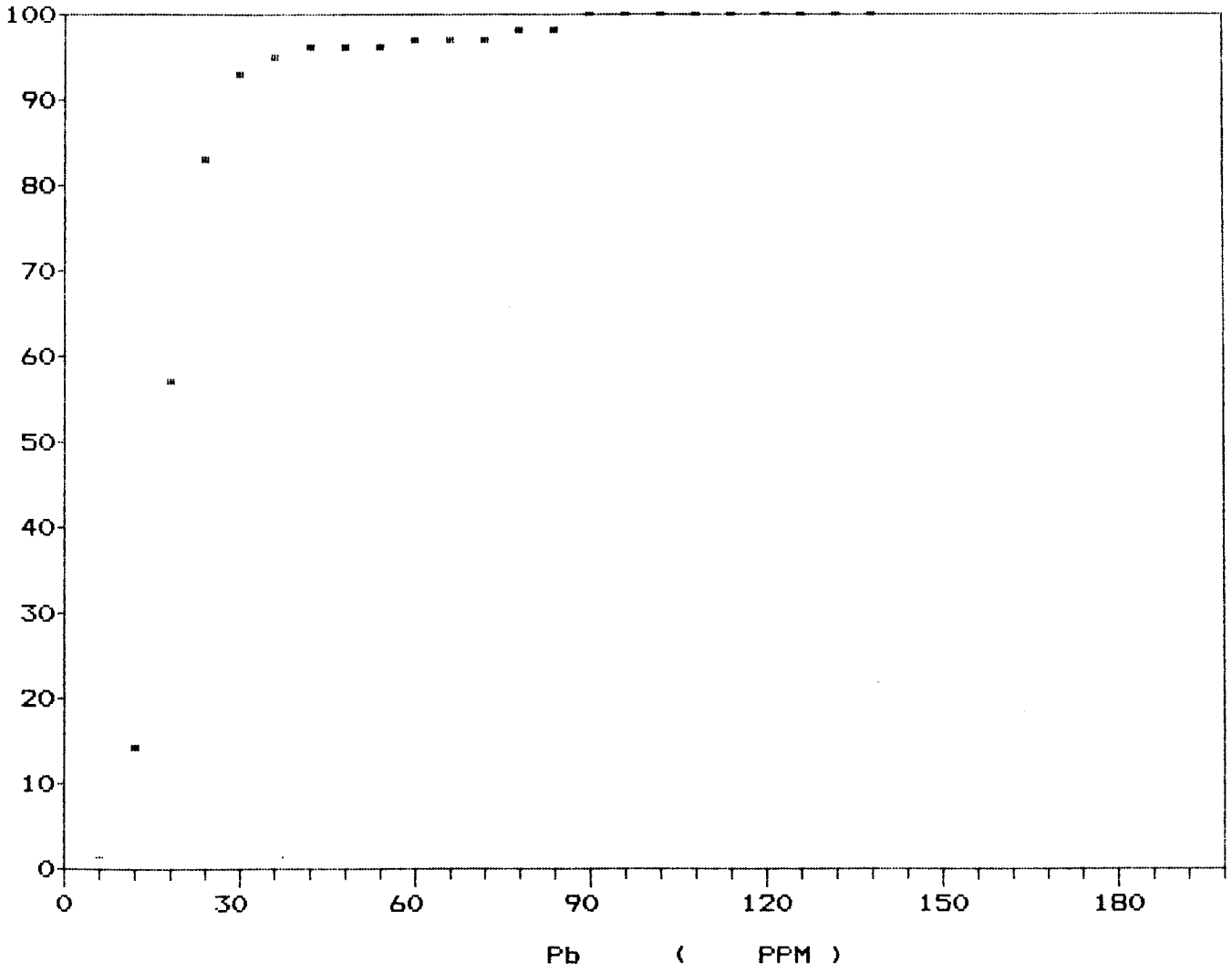
214-850 W. HASYINGS STREET
VANCOUVER, B.C.

ELEMENT & UNIT: Pb PPM

PROJECT: 239
DATE: 85/02/09
FILE: A&M339
SAMPLE TYPE: SOIL

Pb CUMULATIVE FREQUENCY HISTOGRAM



ROUND TRIP MEMORANDUM
GOVERNMENT OF CANADA

NOTE DE SERVICE ALLER RETOUR
GOUVERNEMENT DU CANADA

TO / À: Diane Emond

File No. (originator) — Dossier n° (source)

091628

FROM / DE: Roland Monaghan

File No. (addressee) — Dossier n° (destinataire)

Fold - Plier - 3

Subject — Sujet: Assessment Report on Lazier 46 claims, by A & M Exploration Ltd. for Mosaic Resources Ltd.

In order to approve the report I need a statement of costs incurred in the 1984 project as per section 6a iii) of the Schedule of representation.

Fold - Plier - 2

Thanks v. much

Signature: D D Emond Date: April 17/85

Reply — Réponse

As requested

Fold - Plier - 1

Signature: R Monaghan Date: 10 May 85

FORMULE NORMALISÉE 59 DE L'ONGC

2 **REPLY** / ***RÉPONSE*** **Please return this copy to originator.** ***Veuillez retourner cet exemplaire à la source.***

091628

AFFIDAVIT OF EXPENSES

This will certify that geological mapping, geochemical sampling and geophysical surveys were carried out during the period August 10 to 19, 1984 on the Lazier 1 to 10 claims, Mayo Mining District, Yukon Territory, to the value of the following:

Costs incurred within the Yukon Territory

Salaries	
D.G. Allen, consulting geologist 4 days @ $400/day	$ 1,600.00
D.R. MacQuarrie, consulting geophysicist 4 days @ $350/day	1,400.00
A. Geoghegan, field assistant 8 days @ $115/day	920.00
B. Stewart, field assistant 10 days @ $115/day	1,150.00
G. MacDondald & Assoc., Invoice 2 men for 1 week	1,625.00
Field supplies, camp rental	1,312.99
Helicopter support	571.32
Room and board	2,610.91
VLF-EM, IP rental	550.00
Vehicle rental, fuel	2,906.68
Subtotal	$14,646.90

Costs incurred outside the Yukon Territory

Geochemical analyses - Rossbacher Laboratory	2,879.95
Report Preparation	
D.G. Allen, 3.0 days @ $400/day	1,200.00
Maps, photocopying	383.45
Draughting, typing, compilation	747.40
Subtotal	$ 5,210.80
GRAND TOTAL	$19,857.70

D. G. Allen

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