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674432

GEOLOGICAL, GEOPHYSICAL

and

GEOCHEMICAL REPORT

on the

JERO 2 to 5 CLAIMS

(Rossland Property)

Trail Creek Mining Division - British Columbia

Lat. 49° 03' N

Long. 117° 48' W

N.T.S. 82 F/4W

for

JERO RESOURCES LTD.

by

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

and

D. R. MacQuarrie (B.Sc.)

March 5, 1985

Vancouver, B. C.

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SUMMARY

Jero Resources Ltd. holds four claims (JERO 2 to 5 - 46 claim units) immediately to the south of the Rossland Gold camp of southern British Columbia. The camp has the second largest record of gold production in the province.

The claim area is underlain by sedimentary, volcanic and subvolcanic intrusive rocks of the Rossland Group which are intruded by northeast-trending dikes of quartz feldspar porphyry. Except for the presence of pyrite and pyrrhotite, no mineral occurrences are known on the JERO claims; however, preliminary work has indicated the presence of widespread lead, zinc, and scattered gold geochemical anomalies. VLF electromagnetic surveys were carried out and results confirm the presence of previously outlined airborne electromagnetic survey anomalies.

A further program of geochemical soil sampling, electromagnetic surveys, and prospecting, and if warranted, diamond drilling, is recommended.

CONCLUSION

Airborne electromagnetic anomalies obtained in 1981 were confirmed by ground VLF-EM surveys. Results indicate the presence of strong, possibly continuous conductors but because of lack of outcrop, could not be adequately explained. Pyrite

and pyrrhotite were observed locally in both argillite and andesite but not considered abundant enough to account for the conductors, and only minor graphite was observed. It is concluded that the conductors represent either sulphide-rich or graphite-rich zones in the stratigraphic sequence of sedimentary and volcanic rocks. As such, the environment is considered to be favourable for the presence of stratabound sulphide mineralization in addition to having potential for hosting gold-quartz veins typical of the Rosslund camp.

Considering (1) proximity to the known Rosslund deposits, (2) presence of significant electromagnetic anomalies and (3) presence of anomalous lead, zinc and gold values in soils, a detailed exploration program is warranted to evaluate the JERO claims.

RECOMMENDATION

A two-stage exploration program is recommended to evaluate the JERO 2 to 5 claims. Stage I recommendations include detailed geological mapping, prospecting, geochemical sampling and electromagnetic surveys to outline drill targets. Stage II will be contingent on results of Stage I and will consist of follow-up diamond drilling. Estimated costs of Stages I and II are \$47,000 and \$92,000 for a grand total of \$139,000.

ESTIMATED COSTS OF RECOMMENDATIONS

Stage I Geological mapping, geochemical and geophysical surveys.

Salaries

Geologist	1 mo. @ \$6,000	\$ 6,000.00
2 assistant soil samplers	2 man mos. @ \$3,000	6,000.00
Electromagnetic surveys		
VLF-EM - 100 line-km. detailing with HLEM		13,000.00
Room and board	90 man days @ \$35	3,150.00
Transportation, vehicle rental		2,000.00
Geochemical analyses and assay		10,000.00
Report preparation, maps		2,000.00
		<hr/>
		\$ 42,150.00
	Contingencies	4,850.00
		<hr/>
	Total Stage I	\$ 47,000.00

Stage II Follow-up diamond drilling

Bulldozer - Access road construction and drillsite preparation	50 hrs. @ \$80 all incl.	\$ 4,000.00
Diamond drilling	2,000 ft. @ \$35 all incl.	70,000.00
Material and supplies		2,000.00
Engineering, supervision, assays	10% of subtotal of \$76,000	7,600.00
		<hr/>
		\$ 83,600.00
	Contingencies	8,400.00
		<hr/>
	Total Stage II	\$ 92,000.00
	GRAND TOTAL	\$139,000.00

INTRODUCTION

Jero Resources Ltd. holds five claims totalling 58 claim units on the south side of the Rossland gold camp of southern British Columbia. This report, however, deals mainly with the JERO 2 to 5 claims (46 claim units).

The claim area lies four kilometres south of the Centre Star, Le Roi, and War Eagle Mines (Centre Star group). These mines have the second largest recorded production of gold in British Columbia (2,706,000 ounces of gold, 3,300,000 ounces of silver and over 100,000 pounds of copper from 5,915,000 tons of ore).

Except for the presence of pyrite and pyrrhotite, no mineral occurrences are known on the JERO claims. The claims were staked to cover electromagnetic conductors outlined in a previous airborne survey (Sheldrake, 1981) in an area of favourable geology.

This report summarizes results of fieldwork comprising airborne electromagnetic and magnetic surveys and follow-up ground VLF-EM surveys, soil geochemical sampling and geological mapping.

LOCATION, PHYSIOGRAPHY, ACCESS

The claims are situated immediately to the south of Rossland (Figures 1 to 3). The JERO 2 to 4 claims lie between elevations 3,100 and 4,800 feet on the north slopes of Baldy Mountain. The JERO 1 and 5 claims lie between elevations 2,500 and 4,300 feet in Little Sheep Creek Valley. Slopes are gentle to moderately steep and are covered with a second growth of balsam fir, cedar, jack pine, spruce, birch and scrub alder. The northwest corner of the JERO 3 and southwest corner of JERO 5 claims cover some farmland. The claim area is accessible by paved and several 4-wheel drive roads.

CLAIM DATA

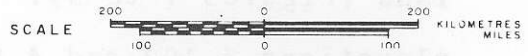
The JERO 3 to 5 claims comprising 40 claim units are registered in the name of Jero Resources Ltd. JERO 1 and 2, comprising 18 units are registered in the name of D. R. MacQuarrie, and are held in trust for Jero Resources Ltd. The JERO 1 claim is in contravention with previously recorded claims and is not considered in this report. Claim boundaries are shown on Figures 2, 3 and 4.

<u>Name</u>	<u>No. of Units</u>	<u>Record No.</u>	<u>Expiry Date</u>
JERO 1	12	653 (6)	June 8, 1986
JERO 2	6	654 (6)	June 8, 1986
JERO 3	18	741 (6)	June 8, 1986
JERO 4	4	742 (6)	June 8, 1986
JERO 5	18	773 (12)	December 12, 1985

JERO RESOURCES LTD.

JERO CLAIMS

LOCATION MAP



exploration Ltd.

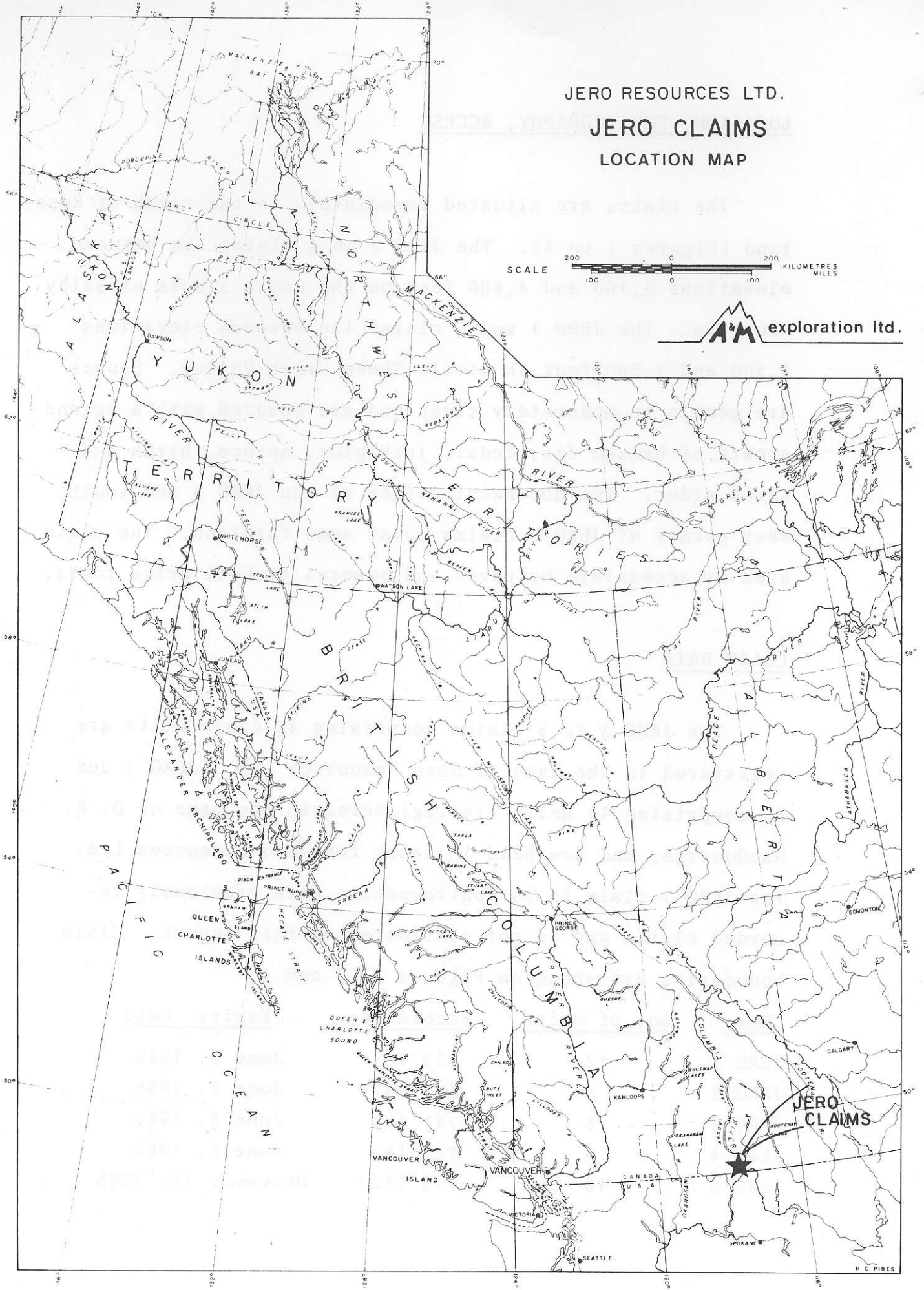
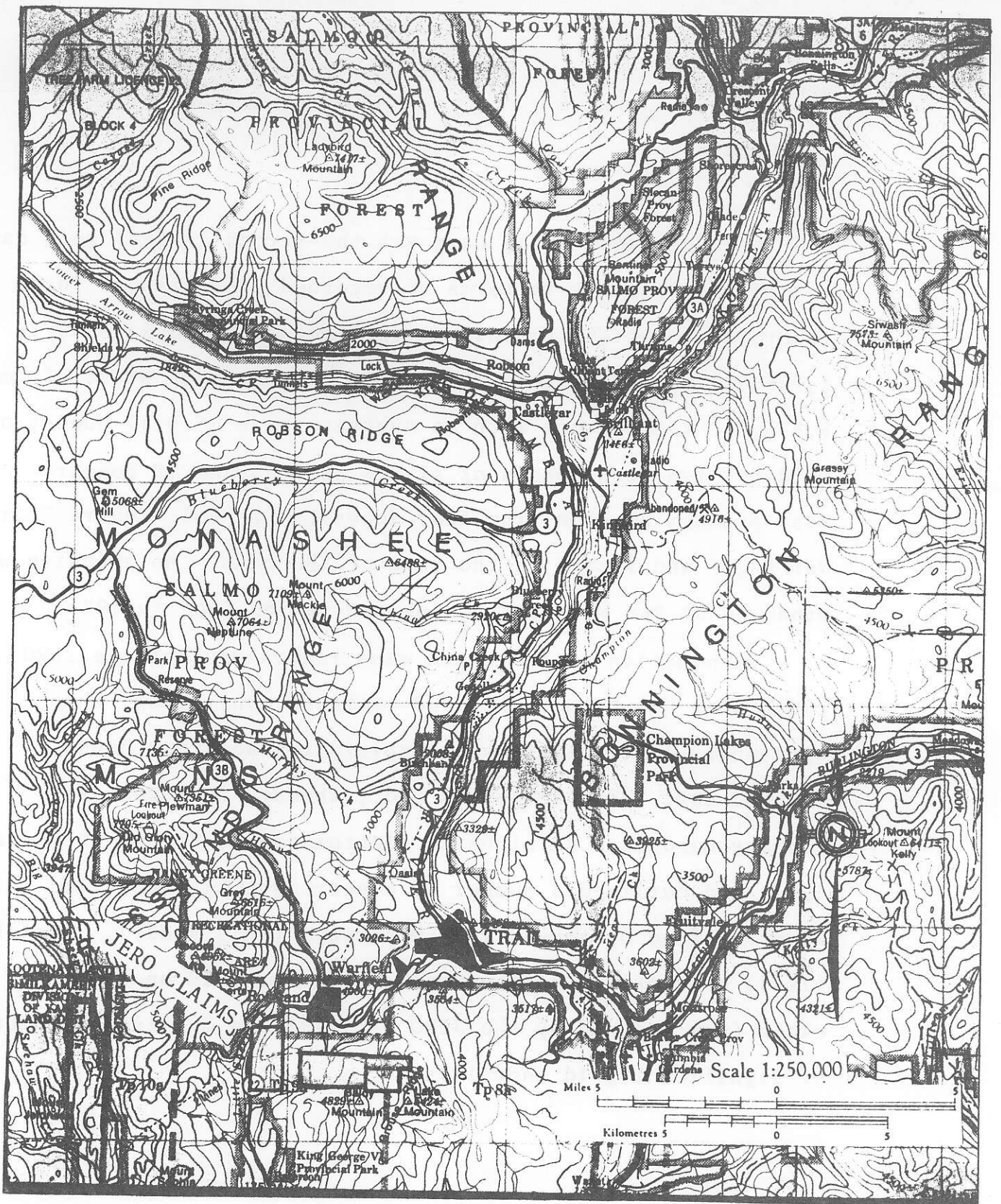


FIGURE - I



JERO RESOURCES LTD.

N.T.S. 82 F

ACCESS MAP

JERO CLAIMS

Trail Creek Mining Division - British Columbia

HISTORY

The Rossland mining camp was the second largest gold camp in British Columbia in terms of recorded production. Total recorded production (mainly during the period 1895-1937) is 2,706,000 ounces of gold and 3,300,000 ounces of silver from 5,915,000 tons of ore with an average grade of 0.47 ounces of gold per ton, 0.6 ounces of silver per ton and 1% copper. Most production came from four deposits (Le Roi, Centre Star, War Eagle and Josie) in the core of the camp. Molybdenite was produced at Red Mountain during the period 1966 to 1971.

Examination of old claim maps indicates that the JERO claim area has been staked and restaked many times, but apparently little systematic exploration work has been carried out. Jero Resources Ltd., through a predecessor company conducted an airborne electromagnetic survey (Sheldrake, 1981) and outlined a number of electromagnetic anomalies which were verified by ground VLF-EM surveys (this study). Pasioka (1981) conducted a geochemical survey for gold on the TAP claim (now covered by the JERO 5 claim) and outlined a number of significant gold anomalies.

GEOLOGY

Regional Geology

The Rossland area lies in the Nelson Map Area, 82F (West Half), the geology of which has been described by Little (1960). The geology of the Rossland Mining Camp has been well documented by Drysdale (1915), Bruce (1917), Gilbert (1948), Fyles (1970), Fyles et al (1973), Thorpe (1973) and Little (1982). In summary, the gold deposits of the Rossland camp occur in a complex environment in which major volcanic, sedimentary and intrusive rocks occur. Oldest rocks are the Carboniferous Mt. Roberts Formation which consists of siltstone, sandstone, conglomerate and minor limestones. They are overlain by volcanic rocks and interbedded sediments of the Jurassic Rossland Group. Irregular bodies and dikes of augite porphyry were apparently coeval with the Rossland volcanics. These rocks are intruded by five groups of plutonic rocks: the Rossland monzonite, the Trail batholith (granodiorite), Coryell intrusions (syenite), Rainy Day stock (quartz diorite) and a large number of dikes including diorite, lamprophyre, syenite, and quartz feldspar porphyry.

Ore Deposits of Rossland Camp

The gold-copper deposits of the Rossland camp are predominantly pyrrhotite-rich quartz veins containing up to 70% sulphides. They are localized by east and north trending

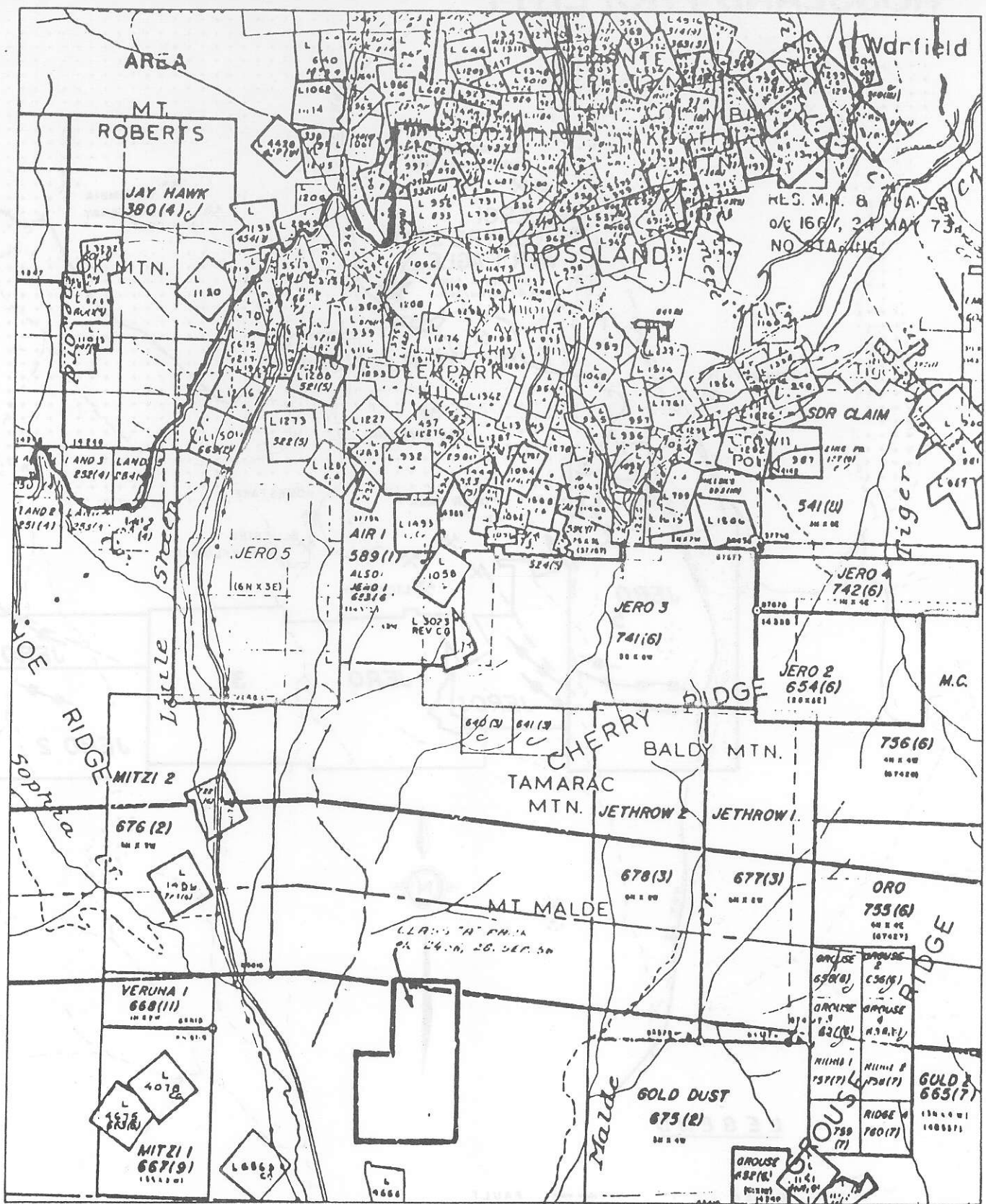
faults where they intersect or lie along contacts of highly competent rocks such as augite porphyry and diorite porphyry. Thorpe (1973) has defined three zones: central, intermediate and outer. Veins of the central zone have a high chalcopyrite content and high Au:Ag ratio. Veins in the outer zone contain sphalerite, galena and tetrahedrite and have a lower Au:Ag ratio. Veins in the intermediate zone are characterized by a wide range of mineralogies including pyrrhotite, chalcopyrite, arsenopyrite, pyrite, molybdenite, cobaltite, gold, bismuth and bismuthinite.

The molybdenite deposits on Red Mountain occur in brecciated granodiorite and hornfelsic and skarny sedimentary rocks of the Mount Roberts Formation. Mineralization consists of irregularly distributed disseminations and veinlets of pyrrhotite, pyrite, magnetite, molybdenite, scheelite and chalcopyrite (Eastwood, 1966; Fyles, 1967; Hainsworth, 1966). Appreciable amounts of gold are reported in the deposits.

The JERO 2-4 claims lie in the outer zone and are situated immediately south of the Lily May, Bluebird and Mayflower prospects. The JERO 5 claim lies immediately to the south of the Midnight-IXL deposit.

Property Geology

The JERO 1-4 claim area is largely overburden covered. Outcrops are confined to road cuts and a few steeper slopes. According to Fyles (1970 - see Figure 4) the claim area is

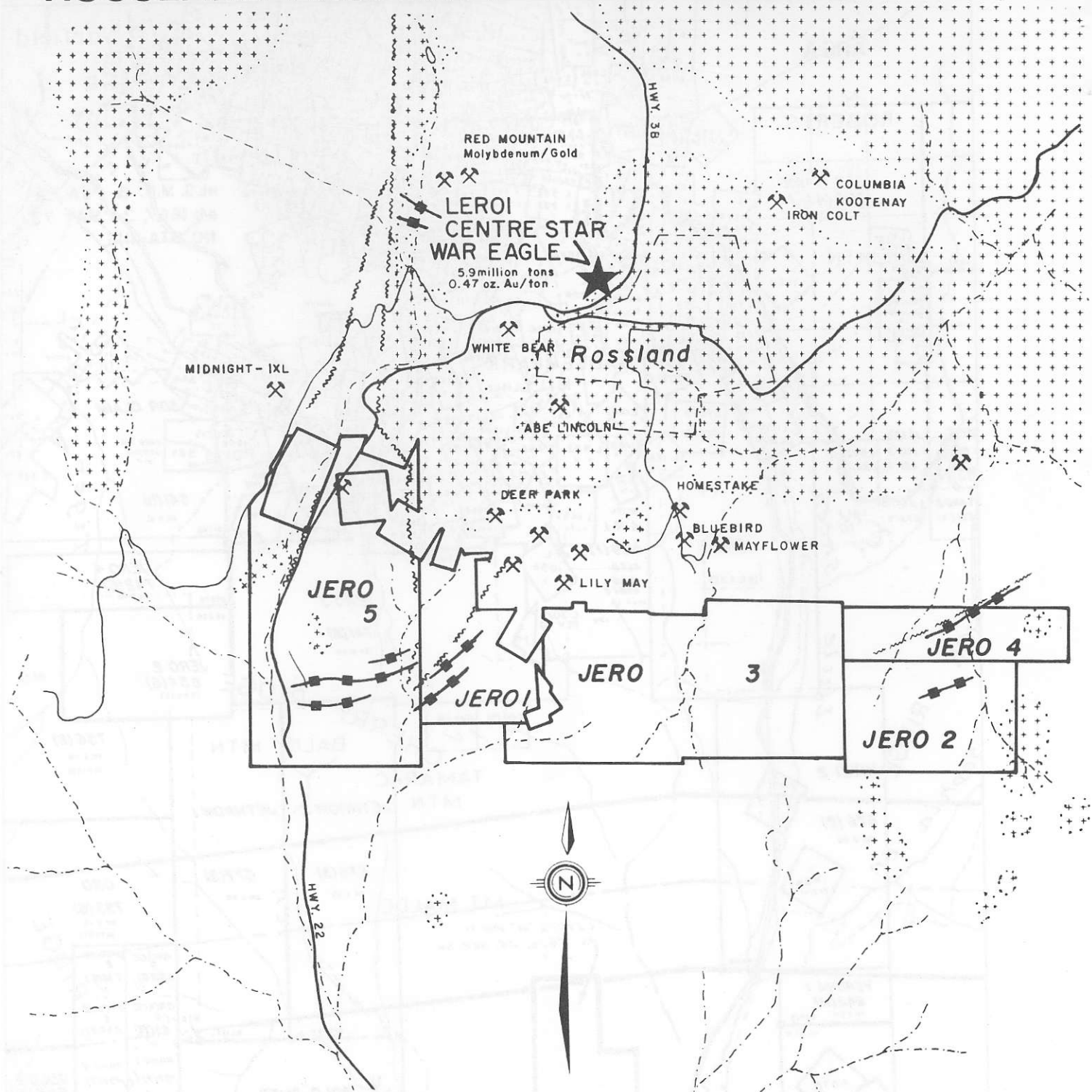


JERO RESOURCES LTD.
CLAIM MAP
 JERO CLAIMS

Trail Creek Mining Division - British Columbia



ROSSLAND PROPERTY



LEGEND

- | | | | |
|--|--------------------------|--|-----------------|
| | CREEK | | FAULT |
| | HIGHWAY | | MINERAL SHOWING |
| | GRANITIC INTRUSIVE ROCKS | | EM CONDUCTOR |

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JERO CLAIMS

TRAIL CREEK MINING DIVISION - BRITISH COLUMBIA



SCALE

CLAIMS & GEOLOGY

Donald Tallon
exploration ltd

underlain by sedimentary and volcanic rocks of the Rossland Group (unit 2c, d, and e) and augite porphyry (unit 2f). Examination of a few outcrops on the road across the JERO 2 and 4 claims confirmed the presence of argillite and greenstone, both containing abundant disseminated pyrrhotite. The main rock types observed were northeast-trending dikes of quartz-feldspar porphyry which, because they were more resistant to weathering, form small but prominent ridges.

The JERO 5 claim is underlain mainly by Rossland Group volcanic and sedimentary rocks. Unit 2c is grey to black siltstone and argillite underlying the east central part of the map area where the most prominent airborne EM anomalies occur. Although they are commonly dark in colour, they are not obviously graphitic. The most abundant units are various textured phases of andesite and greenstone (units 2d and 2e). They are grey to green in colour and commonly contain feldspar phenocrysts. Volcanic breccias, agglomerates and sandstones are also common. Pyrite and/or pyrrhotite occurs in trace to minor amounts in units 2c, d and e and very locally is abundant (up to about 4%). Argillites on line 10a are extremely rusted but sulphides were not observed except in the road cut near the power line. Locally both the volcanic and sedimentary rocks are bleached or silicified.

A few dikes or small bodies of coarse grained hornblende syenodiorite were also noted on the JERO 5 claim.

GEOCHEMICAL SURVEY

JERO 5 Claim

Soil sampling in 1984 was carried out on four north-south lines cutting across the electromagnetic anomalies of the JERO 5 claim and along one east-west line. A total of 157 soil samples were taken. In addition eight rock chip samples were taken from road cuts. Flagged lines (Lines 2, 4, 8 and 14 W.) were established at a distance of 400 to 500 metres apart. The powerline was used as a baseline. Soil samples were taken along these lines at intervals of 25 metres. Soil material consisted mainly of fine glacial till and, locally, talus fines taken at depths of 10 to 25 centimetres, usually well below the "A" horizon. Some of the sample sites on Line 14 W consisted of fluvial material from the banks of Little Sheep Creek. Soil samples were placed in Kraft paper bags and shipped to Rossbacher Laboratory Ltd. for multi-element analysis by standard atomic absorption techniques. Analytical results are presented in Appendix I and zinc, lead and anomalous gold values plotted on Figure 5. Also plotted on Figures 5 and 6 are sample results obtained from earlier surveys (Allen and MacQuarrie, 1984).

Anomalous zinc values (150 to 880 ppm) were obtained over a wide area in both soil and rock on the JERO 5 claim. When results are compared with those on adjacent lines, it is apparent that the highest values appear to be related to

the argillaceous sedimentary unit 2C. High lead values (30 to 304 ppm) roughly but do not strictly correlate with high zinc values.

Weakly anomalous silver values (0.6 to 1.4 ppm) occur scattered throughout the same area.

Scattered anomalous gold values (20 to 680 parts per billion) occur on all lines. A possible east-west zone of anomalous values that parallels the power line can be defined.

Of significance is a rock chip sample of pyritic argillite taken on Line 4 at 800 metres south of baseline. The rock, as well as containing highly anomalous zinc, lead, and silver values, contains 680 ppb (0.02 oz/ton) gold.

JERO 2 to 4 Claims

Geochemical soil sampling on the JERO 2 to 4 claims was carried out on three wide-spaced lines. Samples were taken and handled as described above. Anomalous zinc (150 to 250 ppm), lead (30 to 308 ppm), and arsenic (20 to 350 ppm) values along with a few weakly anomalous gold values (20 to 30 ppb) occur locally along the lines. Because of the wide spacing, no correlation of anomalous values can be made between the lines.

AIRBORNE MAGNETIC AND ELECTROMAGNETIC SURVEY

In 1980-1981, a program of helicopter-borne magnetic and electromagnetic surveys was carried out over the Ross-land mining camp. Instrumentation, method, and results of this work were described by Sheldrake (1981). Results are summarized below and selected features plotted on Figures 4 and 5. Of significance are a number of electromagnetic features.

According to Sheldrake, the Centre Star and War Eagle deposits, and Red Mountain molybdenum deposits (or what remains of them) gave no electromagnetic responses although they are associated with a local magnetic high. The workings in the area of the Le Roi Mine gave small electromagnetic responses. Three distinct bedrock "targets" and two zones of "increased conductivity" were identified.

The zones of increased conductivity are on the JERO 1, 5 and 2 claims. One of the targets (target 3-4, Plate III - Sheldrake, 1981) lies on the eastern part of the JERO 1 claim but the zone of conductivity passes through both JERO 1 and 5 claims. Sheldrake interpreted the response to be due in part to a graphitic component; however, the rocks observed in the field are not graphite-rich. Subsequent follow-up ground work (see below) has indicated a series of individual electromagnetic highs within this broad zone.

A zone of increased conductivity was also identified

on the JERO 2 claim. Possible causes of the zones of conductivity are indicated by Sheldrake to be:

1. Large area of disseminated mineralization, possibly at depth.
2. Overburden response.
3. Formational response.

He concluded that these areas ought to be geologically prospected.

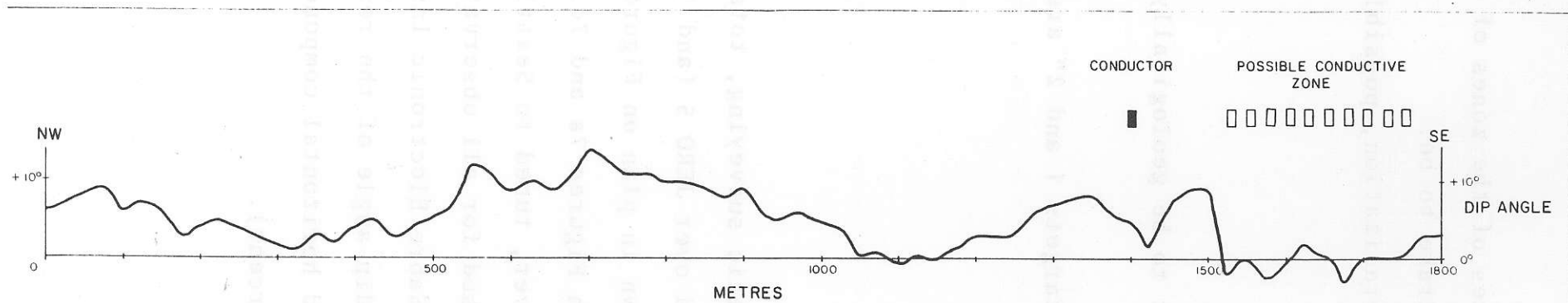
Sheldrake's electromagnetic "Targets 1 and 2" are both north of the JERO claims.

GROUND VLF-ELECTROMAGNETIC SURVEYS

JERO 5 Claim

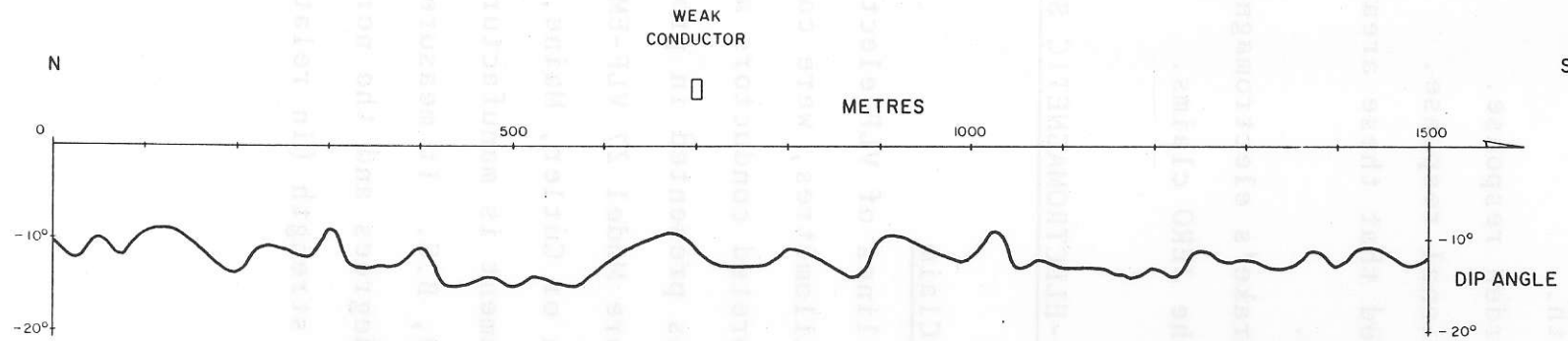
Test lines of VLF electromagnetic surveying, totalling 6.1 line kilometres, were completed over JERO 5 (and 1) claims. The interpreted conductors are shown in plan on Figure 6 and the data is presented in profile on Figures 7a and 7c.

A Sabre Model 27 VLF-EM receiver, tuned to Seattle, Washington or Cutler, Maine, was used for all observations. The instrument is manufactured by Sabre Electronic Instruments of Burnaby, B.C. It measures the dip angle of the resultant field in degrees and the normalized horizontal component of the field strength (in relative percent).

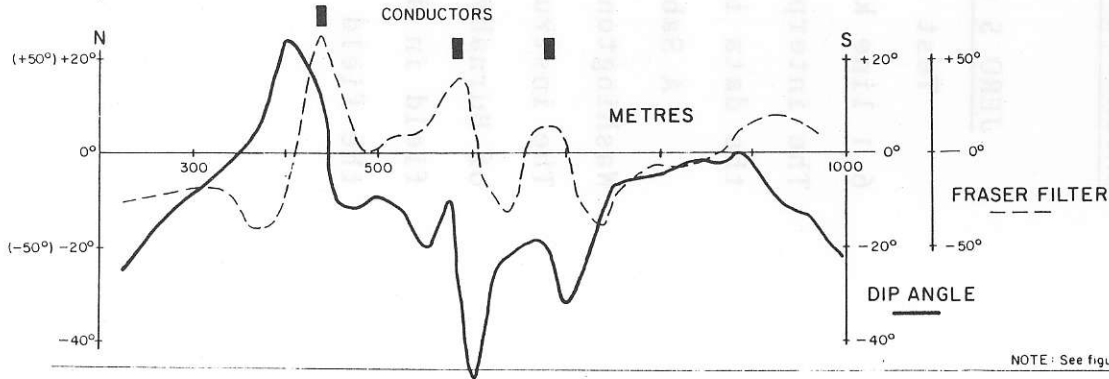


SCALE = 1 : 5,000

VLF-EM PROFILE ROAD LINE I
STATION: SEATTLE



VLF-EM PROFILE LINE 40E
STATION: CUTLER, MAINE



LINE 1W
STATION: CUTLER, MAINE
(1981 Survey)

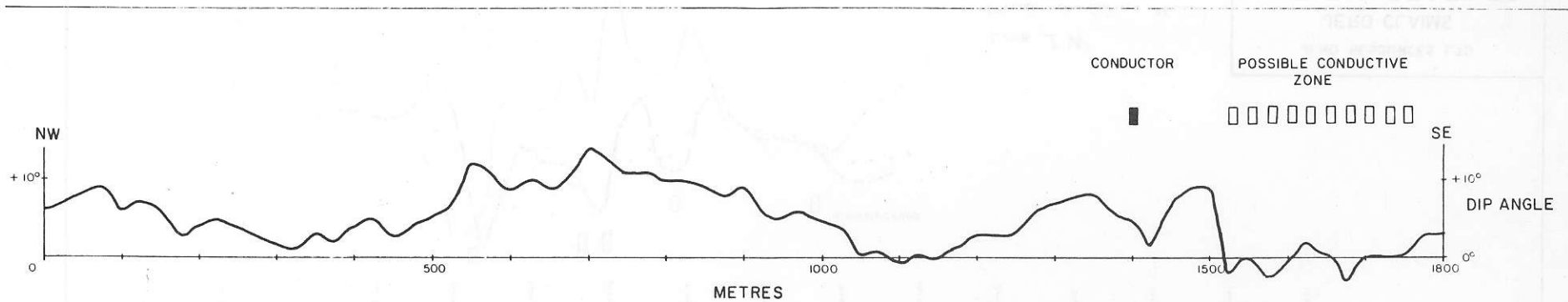
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VLF-EM PROFILES
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NOTE: See figure 5 for VLF-EM line locations.

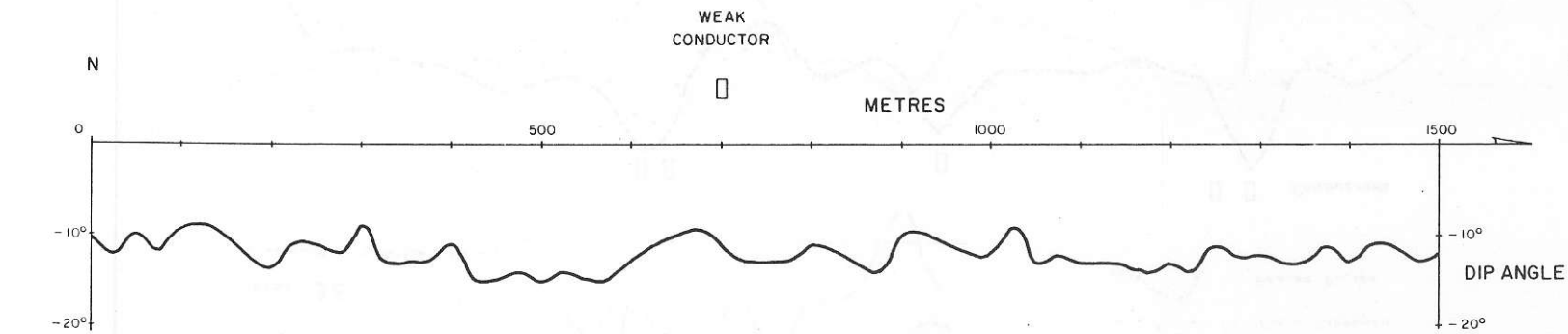


Figure 7b

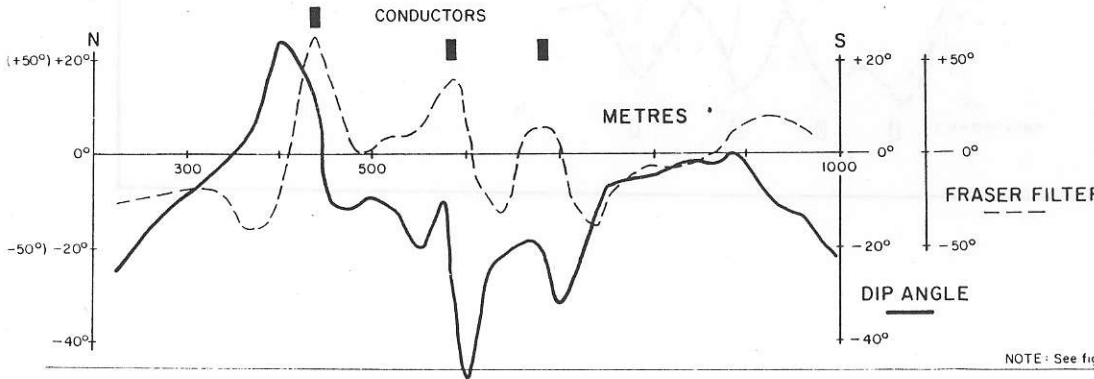


SCALE = 1 : 5,000

VLF-EM PROFILE ROAD LINE 1
STATION: SEATTLE



VLF-EM PROFILE LINE 40E
STATION: CUTLER, MAINE



LINE 1W
STATION: CUTLER, MAINE
(1981 Survey)

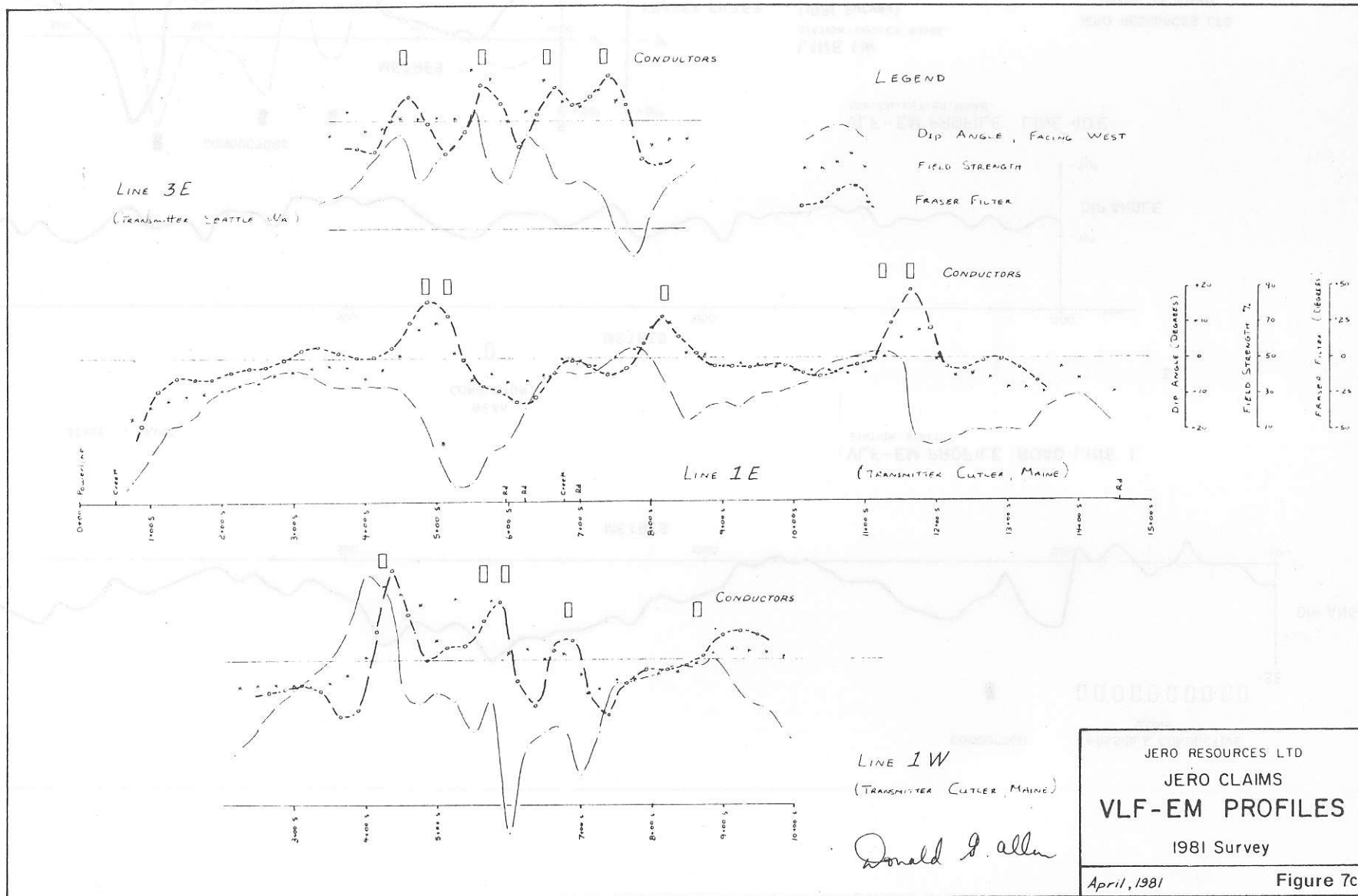
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VLF-EM PROFILES
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NOTE: See figure 5 for VLF-EM line locations.

Figure 7b



JERO RESOURCES LTD
 JERO CLAIMS
VLF-EM PROFILES
 1981 Survey
 April, 1981 Figure 7c

The survey outlined numerous weak to strong VLF responses that are generally co-incident with the zone of "high conductance" mapped by Sheldrake (1981). Local relative field strength highs of 10 to 30%, and peak to peak dip angle crossovers of 20° to 40° are common and have been interpreted as conductors.

Most of these conductors overlie areas with anomalous zinc soil geochemistry (greater than 200 ppm Zn) and are most likely related to sulphide mineralization \pm graphite in the argillaceous sediments shown as unit 2c in Figure 5. In the vicinity of Lines 4 and 8W the conductive zone varies from 400 to 500 metres wide and is comprised of up to 8 discrete conductive bodies. The coarse line spacing does not allow correlation of the individual conductors from line to line; however, they appear to parallel the east-west trending unit 2c contact and the area of anomalous zinc geochemistry and therefore appear to be conformable with the stratigraphy. If the conductors are in fact conformable, then a dip of 60° northerly would be expected.

A second conductor has also been defined running sub-parallel and some 100-200 metres south of the southern boundary of the above mentioned zone. This conductor is located between 9+50S on L8W and 8+00S on L1E. Local peak to peak dip angles vary from 16° to 22° and field strengths from 12% to 20%. It appears to be a single conductor, is apparently hosted by unit 2c on Figure 5, (green volcanic sandstone, conglomerate and breccia) and is associated with anomalous

high Zn, Cu and Au soil geochemical values.

Further geophysical surveying using a horizontal loop electromagnetic system such as the Genie SE-88 in order to define conductor widths, conductivities, dip and precise locations is recommended. In order to aid in the interpretation, detailed magnetic surveys should also be completed in conjunction with the above survey.

JERO 2 to 4 Claims

Results of two traverses (Lines "Road Line 1" and 40 East) totalling 3.3 line kilometres on the JERO 2 and 4 claims are plotted on Figure 7b and summarized in plan on Figure 5. Two weak VLF electromagnetic anomalies and a wide conductive zone were identified. The latter generally correlates with the airborne anomalies.

Donald J. Allen

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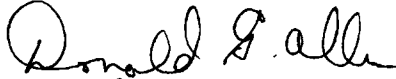
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CERTIFICATE

I, Donald G. Allen, certify that:

1. I am a Consulting Geological Engineer, 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 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 on fieldwork carried out personally and by D. MacQuarrie, D. Cuvelier, A. Geoghegan, and G. Allen.
6. I am a director of Jero Resources Ltd. and as such I have an interest in the Rossland property.
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.

March 5, 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, British Columbia.
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 on fieldwork carried out personally and by D. G. Allen, D. Cuvelier and A. Geoghegan.
6. I am a director of Jero Resources Ltd. and, as such, I have an interest in the Rossland properties.
7. The Jero 1 and 2 claims are registered in my name and are held by me in trust for Jero Resources Ltd.
8. 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.

March 5, 1985
Vancouver, B.C.



D. R. MacQuarrie,
Geophysicist

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 514 - 850 West Hastings Street, Vancouver, British Columbia.

2. I am a graduate of the University of British Columbia with a degree in Geology and Geophysics. (B.Sc., 1972).

3. I have been practising my profession since 1975 and have been active in the mining industry since 1977.

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

APPENDIX I

1. This report is based on fieldwork carried out personally by D. MacQuarrie and A. Geopagan.

2. I am a director of Jero Resources Ltd. and, as such, I have an interest in the Rossland properties.

3. The Jero 1 and 2 claims are registered in my name and are held by me in trust for Jero Resources Ltd.

4. 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.

D. R. MacQuarrie,
Geophysicist

March 5, 1985
Vancouver, B.C.

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.

CERTIFICATE#: 84443 - 1
INVOICE#: 5028
DATE ENTERED: Oct. 9, 1984
FILE NAME: A&M443

PROJECT: 245

PRE FIX	SAMPLE NAME	PPM Mo	PPM Cu	PPM Ag	PPM Zn	PPM Pb	PPB Au
S	14W 0N	1	62	0.2	88	14	10
S	25S	2	66	0.2	254	46	40
S	50S	7	60	0.4	142	34	20
S	75S	16	208	1.4	158	72	190
S	100S	6	112	0.8	134	44	60
S	125S	1	32	0.2	96	20	140
S	150S	1	40	0.4	128	40	10
S	175S	1	34	0.2	98	28	10
S	200S	1	26	0.2	152	30	10
S	14W 225S	1	30	0.2	130	36	440
S	250S	1	62	0.6	360	304	10
S	275S	1	24	0.2	104	34	10
S	300S	1	30	0.2	118	26	10
S	325S	1	34	0.2	138	50	10
S	350S	1	24	0.2	110	32	10
S	375S	1	30	0.2	118	26	130
S	400S	1	36	0.4	176	50	10
S	425S	1	34	0.2	118	44	10
S	450S	1	28	0.2	134	40	10
S	14W 475S	2	46	0.4	236	130	10
S	500S	2	42	0.2	176	42	10
S	525S	3	70	0.2	202	32	10
S	550S	8	90	0.4	428	28	10
S	575S	2	34	0.2	118	20	10
S	600S	2	30	0.2	448	22	10
S	625S	2	164	0.2	120	16	10
S	650S	3	54	0.2	106	14	10
S	675S	3	62	0.4	140	50	60
S	700S	2	36	0.2	124	94	10
S	14W 725S	3	32	0.2	92	30	20
S	750S	2	42	0.2	136	94	120
S	775S	2	58	0.2	112	20	10
S	800S	2	138	0.8	232	22	10
S	825S	2	70	0.2	108	24	10
S	850S	2	66	0.2	114	34	10
S	875S	2	50	0.2	160	36	10
S	900S	3	76	0.4	118	22	10
S	925S	2	54	0.2	182	30	10
S	950S	1	106	0.4	162	36	10

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.

CERTIFICATE#: 84443 - 2
INVOICE#: 5028
DATE ENTERED: Oct. 9, 1984
FILE NAME: A&M443

PROJECT: 245

PRE FIX	SAMPLE NAME	PPM Mo	PPM Cu	PPM Ag	PPM Zn	PPM Pb	PPB Au
S	14W 975S	2	104	0.4	178	16	10
S	1000S	3	44	0.2	164	24	10
S	BL 6+50W	1	68	0.2	74	12	10
S	7+30W	1	66	0.2	72	10	10
S	7+75W	1	88	0.2	72	10	10
S	8+00W	1	98	0.2	148	16	10
S	LBW 0+35S	1	94	0.2	138	10	10
S	0+60S	1	88	0.2	94	10	250
S	1+10S	1	84	0.2	104	12	10
S	1+30S	1	84	0.4	122	12	10
S	1+55S	1	74	0.2	96	12	10
S	1+85S	1	82	0.2	104	18	10
S	2+05S	1	68	0.2	106	10	10
S	2+25S	1	72	0.2	186	12	10
S	2+50S	1	70	0.2	278	24	10
S	2+75S	1	72	0.4	446	18	10
S	LBW 3+00S	1	64	0.2	500	24	10
S	3+25S	1	76	0.6	550	18	10
S	3+55S	6	100	0.4	460	10	10
S	3+80S	2	88	0.4	252	12	10
S	4+00S	2	88	0.4	390	28	10
S	4+55S	6	98	0.4	710	16	10
S	5+05S	4	118	0.6	800	18	10
S	5+25S	6	104	0.6	660	16	10
S	5+50S	1	78	0.4	298	10	10
S	5+75S	2	78	0.2	308	26	10
S	LBW 6+05S	6	108	0.8	670	22	10
S	6+25S	5	104	0.6	414	16	10
S	6+50S	1	52	0.4	356	34	10
S	7+00S	1	70	0.4	760	10	10
S	7+25S	1	74	0.4	310	14	10
S	7+50S	1	92	0.4	172	24	10
S	7+80S	1	88	0.2	164	22	10
S	8+00S	1	78	0.2	150	32	160
S	8+25S	1	70	0.4	82	10	10
S	8+50S	1	96	0.2	98	10	10
S	8+75S	1	156	0.4	196	20	10
S	9+05S	1	76	0.2	130	54	10
S	9+25S	1	138	0.4	120	14	10

CERTIFIED BY :

J. Rossbacher

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

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

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

PROJECT: 245

CERTIFICATE#: 84443 - 4
INVOICE#: 5028
DATE ENTERED: Oct. 9, 1984
FILE NAME: A&M443

PRE FIX	SAMPLE NAME	PPM Mo	PPM Cu	PPM Ag	PPM Zn	PPM Pb	PPB Au
S	400W 425S	4	78	0.2	620	28	10
S	450S	3	98	0.4	750	24	10
S	475S	1	60	0.4	550	14	10
S	500S	1	50	0.2	166	18	10
S	525S	1	62	0.2	242	20	10
S	550S	4	114	0.8	346	14	10
S	575S	4	76	0.4	462	18	10
S	600S	11	98	0.8	980	16	10
S	625S	2	58	0.4	830	30	10
S	400W 650S	3	70	0.4	720	28	10
S	675S	1	58	0.4	254	14	10
S	700S	1	56	0.4	560	28	10
S	725S	1	74	0.4	316	30	10
S	750S	1	54	0.2	236	12	10
S	775S	1	48	0.4	260	16	10
S	800S	1	62	0.4	92	8	10
S	825S	1	98	0.2	234	26	10
S	850S	1	70	0.2	150	40	10
S	875S	1	70	0.4	146	30	10
S	400W 900S	1	78	0.4	132	26	10
S	925S	1	64	0.2	108	16	10
S	950S	1	102	0.2	128	22	10
S	ON 125W	1	82	0.2	126	22	10
S	150W	1	60	0.2	124	24	10
S	175W	1	54	0.4	128	26	10
S	200W	1	54	0.2	120	28	10
S	225W	1	58	0.4	202	16	10
S	250W	1	48	0.2	128	22	10
S	275W	1	42	0.2	246	92	10
S	300W	1	36	0.2	108	16	10
S	325W	1	44	0.2	112	34	10
S	350W	1	54	0.2	108	26	10
S	ON 375W	1	36	0.2	438	24	10
S	400W	1	86	0.6	370	18	240
S	425W	1	42	0.2	260	14	10
S	450W	1	46	0.2	270	12	10
S	475W	1	36	0.2	256	72	10
S	500W	1	34	0.4	308	46	10
S	525W	1	42	0.2	86	20	10

CERTIFIED BY :

J. Rossbach

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

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

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

PROJECT: 245

CERTIFICATE#: 84443 - 5
INVOICE#: 5028
DATE ENTERED: Oct. 9, 1984
FILE NAME: A&M443

PRE FIX	SAMPLE NAME	PPM Mo	PPM Cu	PPM Ag	PPM Zn	PPM Pb	PPB Au
S	ON 550W	1	46	0.2	112	14	10
S	ON 575W	1	88	0.4	54	18	10
A	RD 0+00	16	90	0.4	880	54	10
A	0+45N	8	62	0.4	284	16	10
A	0+50S	4	74	0.2	168	20	10
A	225W ONN	1	64	0.2	110	10	10
A	L8W 4+30S	23	84	0.2	318	26	10
A	4+80S	10	64	0.2	250	20	10
A	9+75S	2	92	0.2	104	14	10
A	400W 800S	4	84	14.2	192	164	680
A	600W 100S	2	88	0.2	42	22	10

CERTIFIED BY :

J. Rossbach

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

CERTIFICATE OF ANALYSIS

TO: **A & M EXPLORATION LTD.**
4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

2225 5 SPRINGER AVE
BURNABY, B.C.
CANADA
TELEPHONE 299-6910

CERTIFICATE NO. *83150-1*
INVOICE NO. *3172*
DATE ANALYSED *JUNE 10, 83*
PROJECT *161*

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	As	PRB Au	No.
01	<i>83 JCL 2</i>		<i>5</i>	<i>48</i>	<i>0.2</i>	<i>186</i>	<i>58</i>	<i>44</i>	<i>10</i>	01
02										02
03										03
04	<i>5 5</i>									04
05										05
06										06
07										07
08										08
09										09
10	<i>83 JCS 11</i>									10
11										11
12										12
13										13
14										14
15										15
16										16
17										17
18										18
19										19
20	<i>83 JCS 21</i>									20
21										21
22										22
23										23
24										24
25										25
26										26
27										27
28	<i>83 JCS 29</i>									28
29	<i>STD E</i>		<i>4</i>	<i>76</i>	<i>0.2</i>	<i>150</i>	<i>22</i>	<i>4</i>	-	29
30										30
31										31
32										32
33										33
34										34
35										35
36										36
37										37
38										38
39										39
40										40

VALUES IN PPM UNLESS NOTED OTHERWISE

Certified by *P. Rossbacher*

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

CERTIFICATE OF ANALYSIS

TO: **A & M EXPLORATION LTD.**
4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

2225 5 SPRINGER AVE
BURNABY, B.C.
CANADA
TELEPHONE 299-6910

CERTIFICATE NO. *83150-2*
INVOICE NO. *3172*
DATE ANALYSED *JUNE 10, 1983*
PROJECT *161*

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	As	PRB Au	No.
01	<i>83 JGS 150</i>									01
02										02
03										03
04										04
05										05
06										06
07										07
08										08
09										09
10	<i>83 JGS 159</i>									10
11										11
12										12
13										13
14										14
15										15
16										16
17										17
18										18
19										19
20	<i>83 JGL 167</i>									20
21	<i>S 170</i>									21
22										22
23										23
24										24
25										25
26										26
27										27
28										28
29										29
30	<i>83 JGL 179</i>									30
31	<i>S 180</i>									31
32										32
33										33
34										34
35										35
36										36
37										37
38										38
39	<i>83 JGS 180</i>									39
40										40

VALUES IN PPM UNLESS NOTED OTHERWISE

Certified by *P. Rossbacher*

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 SPRINGER AVE.
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 83150-3

INVOICE NO. 3172

DATE ANALYSED JUNE 12, 1983

PROJECT 161

TO: A & M EXPLORATION LTD.
4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	As	Au	No.
01	83 JGS 189		1	16	0.2	156	18	22	30	01
02	190		1	20	0.2	124	26	25	10	02
03	191		1	14	0.2	96	12	14	10	03
04	192		1	14	0.2	126	16	14	10	04
05	193		1	26	0.2	102	18	10	10	05
06	194		1	20	0.2	138	28	22	10	06
07	195		1	22	0.2	134	20	20	10	07
08	196		1	20	0.2	156	28	22	10	08
09	197		1	18	0.2	100	22	20	10	09
10	83 JGS 198		1	18	0.2	180	30	26	10	10
11	199		1	26	0.2	92	32	18	10	11
12	200		1	20	0.2	138	24	22	10	12
13	201		1	24	0.4	194	24	20	10	13
14	202		1	20	0.2	82	20	26	10	14
15	203		1	22	0.2	82	12	18	10	15
16	204		1	20	0.2	92	14	20	10	16
17	205		1	18	0.2	124	24	24	10	17
18	206		1	16	0.2	114	40	30	10	18
19	207		1	30	0.2	126	34	42	10	19
20	83 JGS 208		1	22	0.4	114	54	16	10	20
21	209		1	18	0.2	62	8	16	10	21
22	210		1	22	0.2	78	10	32	10	22
23	211		3	40	0.4	442	84	42	10	23
24	212		1	36	0.2	108	24	74	10	24
25	213		1	24	0.2	98	10	18	10	25
26	214		1	26	0.2	82	14	24	10	26
27	215		1	22	0.2	100	10	20	10	27
28	216		1	26	0.4	146	22	22	10	28
29	217		1	20	0.2	96	12	16	10	29
30	83 JGS 218		1	18	0.2	100	8	12	10	30
31	219		1	72	0.2	204	12	440	10	31
32	220		1	20	0.2	148	44	70	10	32
33	221		1	26	0.2	174	42	40	10	33
34	222		1	28	0.2	154	20	24	10	34
35	223		1	26	0.2	152	22	20	10	35
36	224		1	34	0.2	420	98	30	10	36
37	225		2	64	0.8	580	308	50	10	37
38	226		1	28	0.2	148	22	24	10	38
39	83 JGS 227		1	28	0.2	128	42	16	10	39
40										40

VALUES IN PPM UNLESS NOTED OTHERWISE.

Certified by

J. Rossbach

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 SPRINGER AVE.
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 83150-4

INVOICE NO. 3172

DATE ANALYSED JUNE 10, 1983

PROJECT 161

TO: A & M EXPLORATION LTD.
4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	As	Au	No.
01	83 JGS 228		1	32	0.2	258	36	42	10	01
02	229		1	36	0.4	124	18	20	10	02
03	230		1	18	0.2	162	26	20	10	03
04	231		1	26	0.2	188	20	22	10	04
05	232		1	24	0.2	60	10	24	10	05
06	233		1	26	0.4	110	8	22	10	06
07	234		1	28	0.2	138	16	24	10	07
08	235		1	16	0.2	80	10	20	10	08
09	236		1	36	0.2	130	18	24	10	09
10	83 JGS 237		1	68	0.2	140	68	28	10	10
11	238		1	22	0.2	92	20	24	20	11
12	239		1	30	0.2	112	14	24	10	12
13	83 JGS 240		1	36	0.2	162	58	30	10	13
14	STD B		30	154	0.8	138	96	20	-	14
15										15
16										16
17										17
18										18
19										19
20										20
21										21
22										22
23										23
24										24
25										25
26										26
27										27
28										28
29										29
30										30
31										31
32										32
33										33
34										34
35										35
36										36
37										37
38										38
39										39
40										40

VALUES IN PPM UNLESS NOTED OTHERWISE.

Certified by

J. Rossbach

Kossbacher Laboratory

GEOCHEMICAL ANALYSTS & ASSAYERS

CERTIFICATE OF ANALYSIS

TO: RUBICON RESOURCES LTD.
5292 Imperial Street
Burnaby, B.C.

BURNABY, B. C.
CANADA
TELEPHONE: 299-6910
AREA CODE: 604
CERTIFICATE NO. 81062-3

INVOICE NO.
DATE ANALYSED April 13, 1981.
PROJECT Don Allen

No.	Sample	pH	PPB							No.
			Cu	Ag	Zn	Pb	Au	As		
01	81RAL 1	6.6	104	0.6	326	54	390	52	01	
02	2	7.1	78	0.4	278	40	90	22	02	
03	81RAS 3	6.4	54	0.4	630	20	100	30	03	
04	4	5.6	46	0.2	318	10	60	24	04	
05	5	6.0	48	0.4	580	14	10	28	05	
06	6	6.2	72	0.4	482	16	60	28	06	
07	81RAT 7	-	16	1.2	170	14	10	34	07	
08	81RAS 8	6.1	84	0.8	1000	8	10	24	08	
09	9	6.2	62	0.4	482	8	10	52	09	
10	10	6.2	50	0.4	410	12	30	32	10	
11	11	6.2	94	0.4	990	6	20	24	11	
12	12	6.4	106	0.6	1030	4	40	28	12	
13	13	6.0	92	0.4	220	10	120	32	13	
14	14	6.0	252	0.8	1460	6	20	44	14	
15	81RAT 15	-	70	0.4	298	4	20	10	15	
16	16	6.0	52	0.8	94	28	30	50	16	
17	81RAS 17	6.0	40	0.8	890	10	50	32	17	
18	81RAT 18	-	86	0.4	102	8	10	6	18	
19	81RAS 19	6.6	72	0.2	96	4	10	40	19	
20	20	5.3	80	0.4	990	24	10	32	20	
21	21	5.6	32	0.4	1000	16	20	26	21	
22	22	5.7	28	0.4	820	30	10	38	22	
23	23	6.2	60	0.8	156	40	10	36	23	
24	24	6.3	48	0.2	176	14	10	22	24	
25	25	6.3	86	0.4	238	38	10	38	25	
26	81RAT 26	-	74	0.2	72	4	10	6	26	
27	27	-	36	0.2	60	16	20	20	27	
28	81RAS 28	6.0	104	0.4	790	20	20	44	28	
29	81RAT 29	-	370	0.6	32	10	20	6	29	
30	30	-	50	0.2	66	12	10	10	30	
31	31	-	68	0.4	72	10	10	26	31	
32	81RAS 32	6.0	78	0.4	420	24	10	60	32	
33	33	6.0	44	0.4	276	14	10	48	33	
34	34	5.9	28	0.4	266	16	10	22	34	
35	35	5.7	18	0.2	180	14	10	46	35	
36	36	6.6	26	0.4	204	8	10	40	36	
37	37	6.8	34	0.2	210	18	10	20	37	
38	81RAL 38	7.2	48	0.2	128	50	10	18	38	
39	81RAL 39	7.2	62	0.4	240	44	20	22	39	
40	STD 76		16	0.2	32	18			40	

Certified by

P. Kossbacher

Kossbacher Laboratory

GEOCHEMICAL ANALYSTS & ASSAYERS

CERTIFICATE OF ANALYSIS

TO: RUBICON RESOURCES LTD.
5292 Imperial Street
Burnaby, B.C.

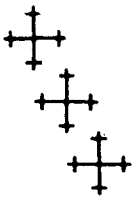
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910
AREA CODE: 604
CERTIFICATE NO. 81062-1

INVOICE NO.
DATE ANALYSED April 13, 1981.
PROJECT Don Allen

No.	Sample	pH	PPB							No.
			Cu	Ag	Zn	Pb	Au	As		
01	81RMS 1	6.0	46	1.0	128	22	20	38	01	
02	2	6.6	52	0.8	124	22	20	28	02	
03	3	6.0	44	0.6	112	10	50	26	03	
04	4	5.5	48	0.6	114	12	60	28	04	
05	81RMT 5	-	36	0.6	88	6	10	12	05	
06	81RMS 6	6.0	46	0.4	92	4	20	18	06	
07	7	6.0	50	0.4	92	6	20	16	07	
08	8	6.0	60	0.6	144	8	40	18	08	
09	9	5.3	50	0.4	148	10	10	18	09	
10	10	5.4	42	0.4	82	2	20	16	10	
11	11	6.0	94	0.6	288	14	10	22	11	
12	12	6.0	92	0.8	620	18	10	28	12	
13	81RMT 13	-	76	0.6	620	14	10	18	13	
14	81RMS 14	6.6	44	0.8	830	18	10	32	14	
15	15	6.0	72	0.6	1350	22	10	28	15	
16	16	5.5	56	0.4	580	14	10	20	16	
17	17	5.6	44	0.8	300	6	10	16	17	
18	18	5.7	42	0.8	950	12	10	14	18	
19	19	6.0	56	0.8	780	8	10	20	19	
20	81RMS 20	6.0	48	0.4	348	14	20	38	20	
21	21	5.8	58	0.4	228	8	10	20	21	
22	22	6.0	70	0.6	480	12	30	18	22	
23	23	6.0	104	0.6	380	12	10	20	23	
24	24	5.4	70	0.4	220	6	20	70	24	
25	25	5.5	46	0.4	194	10	30	20	25	
26	26	5.7	36	0.6	134	8	20	30	26	
27	27	5.6	26	0.4	138	10	30	16	27	
28	28	5.2	26	0.4	180	8	40	18	28	
29	29	5.7	42	0.4	144	8	20	12	29	
30	30	6.0	56	0.4	108	4	30	14	30	
31	81RMT 31	7.0	54	0.4	168	50	30	12	31	
32	32	7.2	34	0.4	168	30	20	4	32	
33	81RMS 33	5.8	38	0.2	108	8	30	16	33	
34	34	6.2	46	0.4	198	26	10	12	34	
35	35	6.0	66	0.4	188	18	10	18	35	
36	36	6.2	54	0.2	128	24	10	14	36	
37	37	6.4	48	0.4	452	12	10	10	37	
38	38	5.4	102	0.4	126	18	10	14	38	
39	81RMS 39	5.7	80	0.4	138	22	20	16	39	
40	STD G10		464	0.6	70	8			40	

Certified by

P. Kossbacher



K.E. NORTHCOTE AND ASSOCIATES LTD.

- Geological, Mineral Exploration and Mineral Land Use Consultants -

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K.E. NORTHCOTE, Ph.D., P.ENG.

April 29, 1985

D.G. Allen P.Eng.
Suite 214-850 West Hastings St.
Vancouver, B.C.
V6C 1E1

Re: Geological, Geophysical and Geochemical Report on
the Jero 2 to 5 Claims, Trail Creek M.D. NTS 82F/4W

D.G. Allen, P.Eng., contracted K.E. Northcote, Ph.D., P.Eng., to make an independent assessment of a Geological, Geophysical and Geochemical Report by D.G. Allen, P.Eng., and D.R. MacQuarrie, B.Sc, dated March 5, 1985. The assessment of this report is made without benefit of a field examination but the subject report, largely geochemical and geophysical, along with Shel Drake's report of March 25, 1981 on Helicopter Magnetic and Electromagnetic surveys, provide sufficient documentation to permit comment. There is no reason to believe that geological, geophysical and geochemical data are other than as stated in the Allen-MacQuarrie report.

The March 5, 1985 report by Allen-MacQuarrie summarizes the initial programs of aerial and surface geophysical surveys, soil geochemistry and geological observations. A program to further test coincident anomalies arising from these surveys is recommended.

The recommended first stage program, at an estimated cost of \$47,000, requiring detailed geologic mapping, prospecting, geochemical sampling and surface electromagnetic surveys is a logical program to delineate diamond drill targets and is, in my opinion, consistent with good geological engineering practice.

If public funding supports the recommended program an independent engineer's appraisal of stage 1 should be required prior to initiating diamond drilling in stage 2. Depending upon anticipated depth of overburden, backhoe excavation might be effective in conjunction with diamond drilling in stage 2. Provision should also be made for reclamation of drill sites, trenches and disposal of cut trees and debris (if not already included in over all drilling costs).

I endorse the Allen-MacQuarrie report on the Jero Claims dated March 5, 1985

K.E. Northcote Ph.D., P.Eng.

