

Suzie Mining Explorations Ltd.

Report on

Wasi Lake Project

Gael # 6 & #7 Mineral Claims

Omineca M.D. B.C.

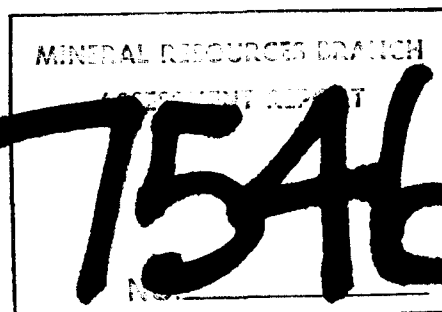
Lat  $56^{\circ} 10'$  N, Longitude  $125^{\circ} 04'$  W

N.T.S. 94 C/3 E

A report of the preliminary drilling  
carried out during the anniversary  
year of the above claims to be  
applied for Assessment Work Credits.

*D.K. Bragg*

By D.K. Bragg  
Oct. 27, 1979



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SUZIE MINING EXPLORATIONS LTD.

Report on the Wasi Lake Project

Gael # 6 & # 7 Mineral claims

Omineca M.D. B.C.

Lat 56° 10' N, Longitude 125° 04' W

N.T.S. 94 C / 3

I. INTRODUCTION

A lead- zinc, silver prospect in northern British Columbia is under development by the company. Previous work on the northern part of the mineral claims held has been described in government and company reports under the name 'Beveley Prospect'. Extensive trenching, some geophysics, limited drilling and some tunneling has been carried out by previous holders of the mineral claims. Work by Suzie Mining Explorations began in 1977 and has extended south of the Beveley workings to the Osilinka River. Some work has been carried out on the south side of the river on what is referred to as the Carie showings. Most of the work done to date had been restricted to the carbonate rock units. However silver mineralization was known to occur associated with a fault within the basement rocks composed mainly of medium grade metamorphosed schists, siltstones, quartzites and siliceous sericite schists.

This report describes some of the preliminary investigations of the silver mineralization within the basement schists and quartzites on the Gael# 6 and Gael # 7 mineral claims. The Gael # 6 & 7 mineral claims form part of that group of claims held under option by the company from prospector Hall.

2 SUMMARY

Geological mapping has been carried out on a good portion of the claims held by Suzie Mining Exploration Ltd., especially around the areas of known mineralization. Interpretation of this surface mapping has served to

illustrate the complexity of the geology caused by folding and faulting but sub-surface information is inferred only by projection. The survey has shown that lead, zinc, and silver mineralization can be related to dolomitized parts of a sequence of limestone which, although of limited thickness, has been cut up by faulting and thickened by folding in such a way that it is exposed at the surface over the entire vertical range of the property of about 700 metres on the Carol # I & 2 claims on the north side of the Osilinka River. Dolomitization of the limestones appear to favour the upper portions of the limestone and the mineralization occurs as irregular bodies within the dolomite and generally localized along faults or intensive shears. Above the limestone and dolomitized sections of the limestone an argillite sequence is usually found. Above the argillite unit lies a thick silicified dolomite breccia unit. Where this rock unit outcrops the other formations can be assumed to lie beneath. The basement rocks are schists, siltstones, quartzites and siliceous sericite schist which are exposed at the bottom of the hillside as well as at the top where they have been uplifted on the Camp fault. The Gael 6 & 7 claims over lie this unit north of the Camp fault.

### 3. GENERAL CONDITIONS

The Suzie Mining Explorations camp is located at Lat  $56^{\circ}08.6'$  north, longitude  $125^{\circ}02.8'$  west in the Omineca Mining Division of British Columbia. It is reached in 8 km. by a branch road which leaves the Fort St. James - Johanson Lake road at Tenakihi Creek about eight km. past Uslika Lake. The gravel road from Fort St. James has been under going some improvement during the summer of 1978, but the 280 kilometers has many bad sections which limit driving speed so that 10 to 12 hours should be allowed for the trip to the Suzie camp. Travel is normally by 4-wheel drive truck but in summer float or wheel aircraft can land at Osilinka Lake or at the airstrip at the south end of the lake.

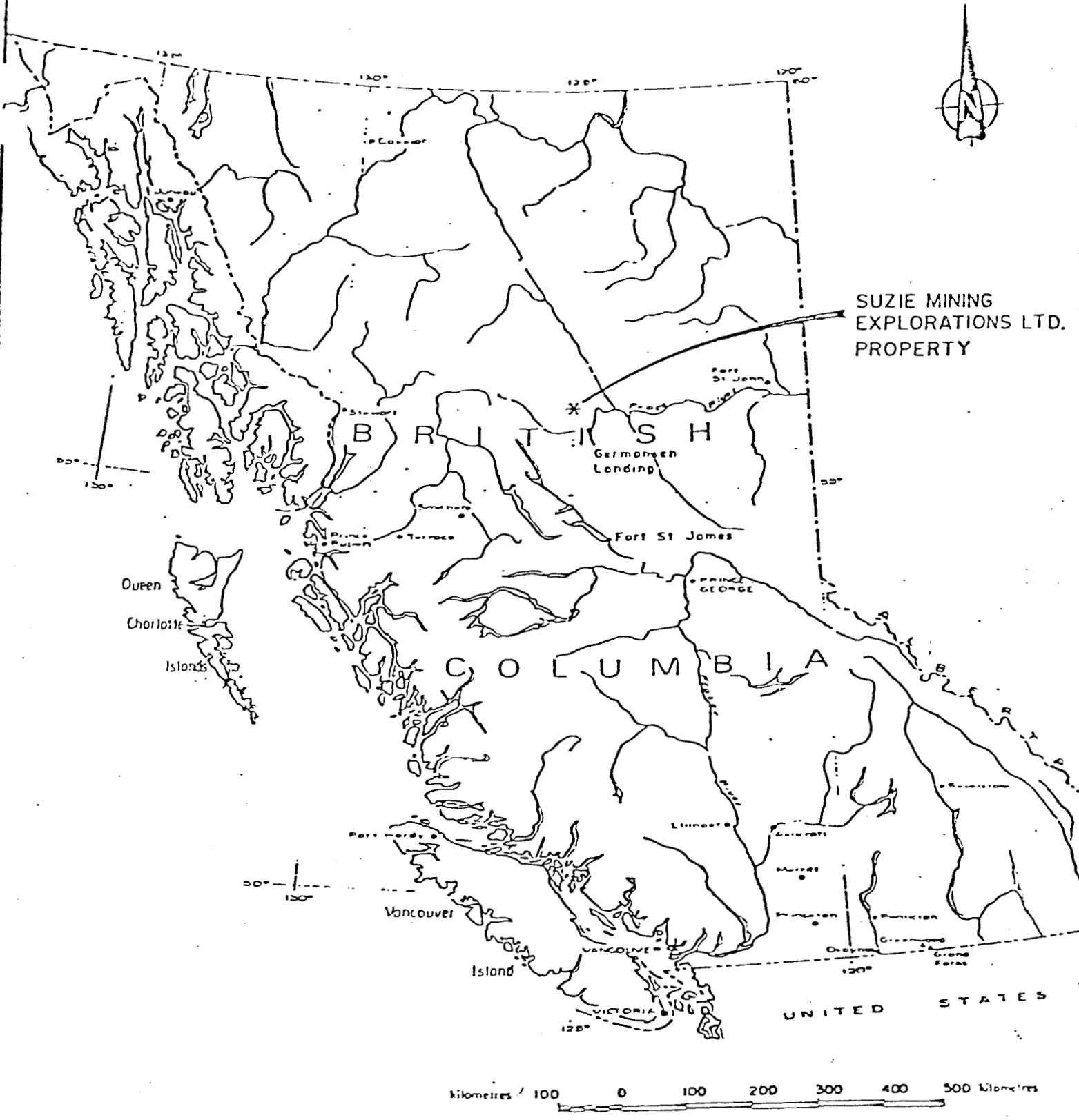
The camp has been established on a bench on the north side of Osilinka River with four trailers and three frame buildings, being office, wash,

kitchen and bunk trailers plus extra bunk and storage buildings.

The hillside from the Suzie Camp up to the site of the old Donna camp, about 600 metres higher in elevation, has limited rock outcrop but overburden is seldom more than a metre deep. Very little outcrop is to be seen in the valleys of the Osilinka River and Wasi Creek where the overburden may attain considerable depths in places. There is little outcrop in the area of the geochemical sampling done on the M B claims as described in other reports and the overburden is thought to be deeper there than on most of the rest of the property above the valley bottoms themselves. Timber is light with very little underbrush so traversing is relatively easy. The timber types are mainly jackpine benches with most of the slopes being mainly spruce, balsam, jackpine with minor amount of deciduous species. Rock outcrops and old surface workings can be identified on air photos. A set of three orthophotos have been prepared by McElhanney to a scale of 1 : 5000, and this provides the regional base maps for geological and other work.

#### 4. PROPERTY

The Suzie Mining Explorations Ltd. holdings consist of a continuous block of ground about three kilometres in width which extends for about six kilometres in a north-south direction. The old showings lie on the Gael Group of eight claims which are held under option from prospector Hall. The rest of the claims held by Suzie have been staked to surround the Gael Group and to cover other showing or geology thought to be similar to that found on the Gael Group. The M B claims lie to the south of the Osilinka River just East of Wasi Creek and cover the old Weber property plus similar carbonate geology. The Kit #1 & 2 have been recently staked to the north of the Kriker and Carol # 1 claims



SUZIE MINING EXPLORATIONS LTD. PROPERTY  
 OSILINKA RIVER at WASI CREEK,  
 OMINECA M.D., B.C.

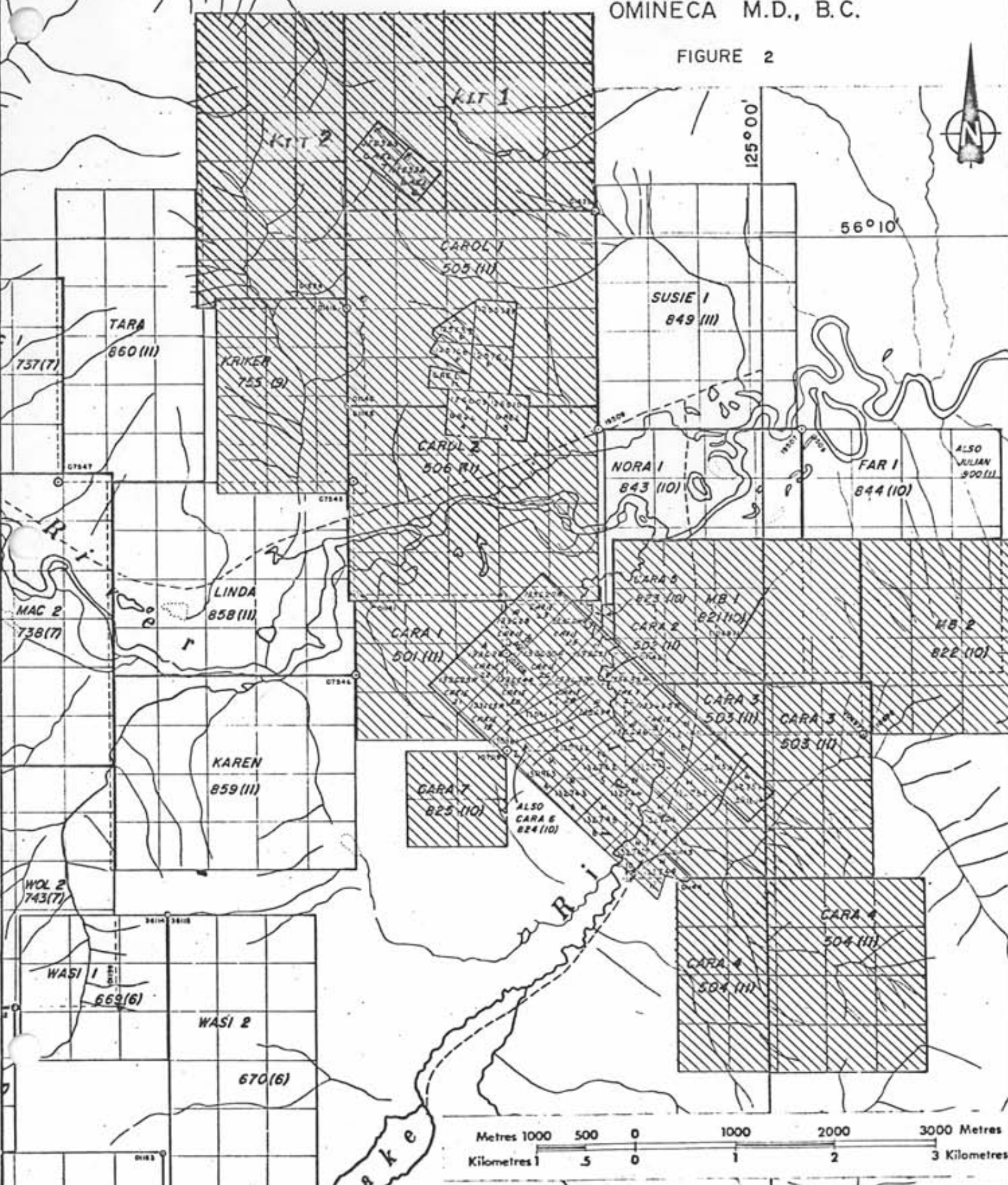
FIGURE 1

## SUZIE MINING EXPLORATIONS LTD. PROPERTY

### OSILINKA RIVER at WASI CREEK,

### OMINECA M.D., B.C.

FIGURE 2



## 5. HISTORY

The discovery of lead-zinc mineralization dates from 1927 when a prospecting syndicate directed by Cominco were in the area. The early history of the Beveley property is outlined in the Annual Report of Mines for 1952 by McCammon. In 1973 an examination of the workings is reported and the history is updated to that time by Garnett.

Susie Mining Explorations Ltd., formerly Suzie Gold Mines Ltd., obtained an option on the Gael claims which had reverted to R. Hall, one of the original prospecting syndicate members. The Carie, Carol, Cara, Kriker and M B claims were staked to provide an adequate working block. Stelling had found geochemical anomalies on the Carie claims south of the river and in 1977 extensive geophysical surveys were run over about 50% of the ground held by Suzie at that time using gravity meter and EM equipment. Results of an earlier survey of the northern (Beveley) section for Donna mines using Induced polarization and Resistivity by Huntec in 1967 were also available. During the summer of 1977 a drill was secured to test some of the more promising anomalies. By fall good mineralization had been found on an anomaly well south of the Beveley showing which has been called the Bullseye showing. During 1978 drilling was continued for part of the spring and late fall on some of the more promising areas of the old Donna showings. During the summer detailed geological mapping was initiated over much of the area north of the Osilinka River. Along with this a controlled line grid was cut over some of the main showings. Soil sampling was undertaken over most of this grid system.



## 6. THE 1979 WORK SEASON

Early in July of 1979 a decision was made to investigate the silver mineralization occurring in a fault shear within the schists and quartzites on the Gael #6 & #7 mineral claims. The mineralized zones were sampled on a random basis along the shear and eleven samples were taken over a length of 900 feet. This sampling gave the following assay results:

Station No.	SILVER oz/ t	GOLD oz/t
I	22.91	0.015
2	39.94	0.017
3	5.65	0.006
4	2.68	0.010
5	7.17	0.013
6	.23	0.003
7	1.67	0.008
8	2.78	0.006
9	9.39	0.011
10	1.37	0.012
11	1.47	0.007

Some copper, lead and zinc was found, but not of significant value.

On the basis of these initial results it was decided to test the mineralization further by means of a small drill. In preparation for this the existing cart trail to the showings was upgraded by a D-8 catipillar tractor with some culverts being built over some of the creeks. Approximately 1.5 km of existing trail was upgraded in this manner. About 250 metres of new road was constructed to reach the test site along the cliff face and a working platform was cleared on the talus slope. In order to test the showing an X- ray drill was brought in.

The work done and the assay results are contained in a letter to the President of Suzie Mining Explorations Ltd. from C.J. Coveney , P. Eng. dated Aug. 11, 1979 which forms part of this report, (page 8 ).

## 7 CONCLUSIONS

The results of the initial random sampling over the extent of the mapped mineralized shear and the results of the preliminary drilling to date indicates the necessity of further work to establish the continuity of results over the entire length of the shear and to determine the depth of the mineralization.

C. J. Coveney, P.Eng.

CONSULTING GEOLOGIST

4024 DELBROOK AVENUE  
NORTH VANCOUVER, B. C.  
PHONE (604) 967-3606

August 11, 1979.

Mr. S. Jarczewski,  
Susie Mining Explorations Ltd.,  
502-409 Granville Street,  
Vancouver, B.C.

Dear Sir:

Re: Silver Showing  
Latitude 56° 09' N Longitude 125° 03' W  
Omineca Mining Division  
British Columbia

On July 27, 1979, accompanied by S. Jarczewski and R. Hall, I visited the silver showing on the GAEL #7 Mineral Claim. This claim forms part of the holding of Susie Mining Explorations in the Omineca Mining Division in British Columbia. The showing is at an elevation of about 6700 feet on the southerly slope of a mountain on the north bank of the Osilinka River, some 27 miles north and 15 miles west of Germansen Landing.

The mineralization occurs on a cliff face in a grey quartzite within a shear zone that has a well defined hanging wall and an average strike of N 60° E. The hanging wall dips 65° - 67° to the southeast. The footwall was not observed - the grey quartzite grading into a siliceous scrite schist and finally into a sericite schist. The mineralized shear may have a width between 5 - 10 feet but the actual width will have to be determined by assays.

The silver mineral is tentatively classified as argentite that in places has weathered to a black earthy sulphide. At times the argentite is difficult to distinguish - its presence indicated only by a bluish colored tint. The diamond drill results show that the mineralization is

more uniformly distributed than would appear from surface observation with the better grade occurring in the first 2 - 3 feet of the holes.

To test the showing, an X ray machine was brought in from Vancouver. The sole purpose of the drill was to test quickly and cheaply the shear face to see if the mineralization extended in from the face. A road was extended about 800 feet to the most accessible location and the talus cleared for a drill site. Three test holes were drilled - all on a bearing of about N 35° W. Two holes were drilled from the same location; one at an angle of minus 20° for a distance of 23 feet; the second at minus 42° for 10 feet. The third hole was moved 25 - 30 feet to the northeast and drilled at a flat angle for 16.0 feet. The core was taken to Vancouver and split with one half sent to Chemex Labs Ltd. for assay and the remainder stored in a warehouse.

The assay results are as follows:

HOLE 79-X-1

<u>Sample No.</u>	<u>From (inches)</u>	<u>To (inches)</u>	<u>Core Length (inches)</u>	<u>Assay (oz - Ag)</u>
4251	2	28	26	10.20
4252	28	60	32	1.74
4253	60	84	23	2.24
4254	84	114	30	3.40

Average over 9.5 feet is 4.36 oz. Ag with core recovery 82%.

HOLE 79-X-2

4255	2	28	26	11.00
4256	28	37	9	3.24
4257	37	57	20	1.48
4258	57	89	32	0.86

Average over 7.5 feet is 4.43 oz. Ag with core recovery 92%.

HOLE 79-X-3

4259	2	24	22	5.20
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<u>Sample No.</u>	<u>From</u> <u>(inches)</u>	<u>To</u> <u>(inches)</u>	<u>Core Length</u> <u>(inches)</u>	<u>Assay</u> <u>(oz - Ag)</u>
<u>HOLE 79-X-3</u>	Cont'd.....			
4260	24	39	15	1.74
4261	39	51	12	2.04
4262	51	87	26	1.60
4263	87	105	18	1.70

Average over 8.7 feet is 2.53 oz. Ag with core recovery 90%.

A selected sample taken from the mineralized zone about 15 feet above the collar of Hole 79-X-1 assayed 61.12 oz. Ag and 0.012 oz. Au.

Another selected sample taken approximately 18 feet above the collar of Hole 79-X-3 returned 25.12 oz. Ag and .005 Au.

Gold samples from the drill cores only assayed 0.003 ozs. Au.

The shear zone, although it may in part be covered by talus, is exposed for at least 800 feet to the southwest. The assay results indicate that the showing warrants more thorough testing.

Respectfully submitted,



C. J. Coveney, P. Eng.,  
Consulting Geologist.

STATEMENT OF COSTS

X-ray drill rental, minimum 1 month	\$ 312.00
Diamonds and materials consumed, fuel etc.	\$ 300.00
Apportioned transportation costs, men and equipment	\$ 150.00
Truck rental, 3 days at \$25 per day	\$ 75.00
Wages:	
Ed Turgeon, Driller 48.5 hr. @ \$ 9.75 <i>July 28 to 30, 1979</i>	\$ 472.88
Russ Taylor, Helper 48.5 hr. @ \$ 8.25 <i>July 28 to 30, 1979</i>	\$ 400.13
C.J. Coveney, P. Eng. two days at \$ 150.00 per day <i>July 27 &amp; 28</i>	\$ 300.00
Camp support 8 man days at \$ 40.00 per man day	\$ 320.00
Report Writing	\$ 150.00
	<hr/>
Total costs	\$ 2480.01

9. REFERENCES

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7. McCammon, G. W. (1952) Osilinka River - Nina Lake Area. Minister of Mines of B. C. Annual Report 1952. pp 98-109.
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9. REFERENCES, cont'd.

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11. Stelling, Douglas (1975). A geochemical prospecting report on the Carie mineral claims. Wasi Lake, Omineca M. D., B. C. A report of work filed as assessment with B. C. Department of Mines and Petroleum Resources in Victoria. 10 pp.
12. Watson, R. K. and Finney, W. A., (1967). A geophysical report on an Induced Polarization Survey, Beveley property near Uslika Lake, Omineca M. D., B. C. A report by Huntres Ltd. for Donna Mines Ltd.
13. Leitch, Craig H. B., (1978) Reports in company files, "Preliminary Appraisal of Beveley", "Progress Report Beveley", and "Preliminary Report Carie Area".
14. Weber Property - Annual Report of the Minister of Mines 1930 Page 153.
15. Geological Survey - Canada Paper 48-5 Page 46.

Statement of Qualifications  
D. K. Bragg  
3567 West 27th Ave .,  
Vancouver B.C. V6S 1P9

His qualifications are as follows

Graduated Armstrong High School, B.C. 1951

Attended U.B.C. from 1953 to 1962 in the faculty of Arts and Science , in Honors Geology.

Worked for Kennco Explorations during the summers of 1956, 1957, and 1959 in the Yukon and northern British Columbia as an assistant prospector and as a geochem sampler under the direction of Dr. R. Campbell, R. Woodcock and D. Barr.

Worked as prospector using geochemistry as a field tool during the following years.

- 1960 - Nahani 60 Syndicate in the N.W.T.
- 1961 - Dualco in the central Yukon
- 1962 - Mining Corp. of Canada, south B.C. coast range
- 1963 - Francis River Syndicate in the central Yukon

Worked as field geologist and project supervisor of exploration programs

- 1965 - Scurry Rainbow Oil in Greenwood
- 1965 - 1967 with Alrae Explorations in B.C. and the Yukon and N.W.T.

Has Recieved the B.C. Provincial Grubstake for the years 1964, 1968, 1969, 1970, and 1971.

Since 1967 has worked on a contract basis in B.C. and the Yukon for many mining companies as an exploration field manager overseeing all facets of the exploration industry, including geochemistry, geophysics, drilling, geological mapping and production mining.

Has worked as exploration manager on the Beveley property since Sept. 1977.

*D. K. Bragg*



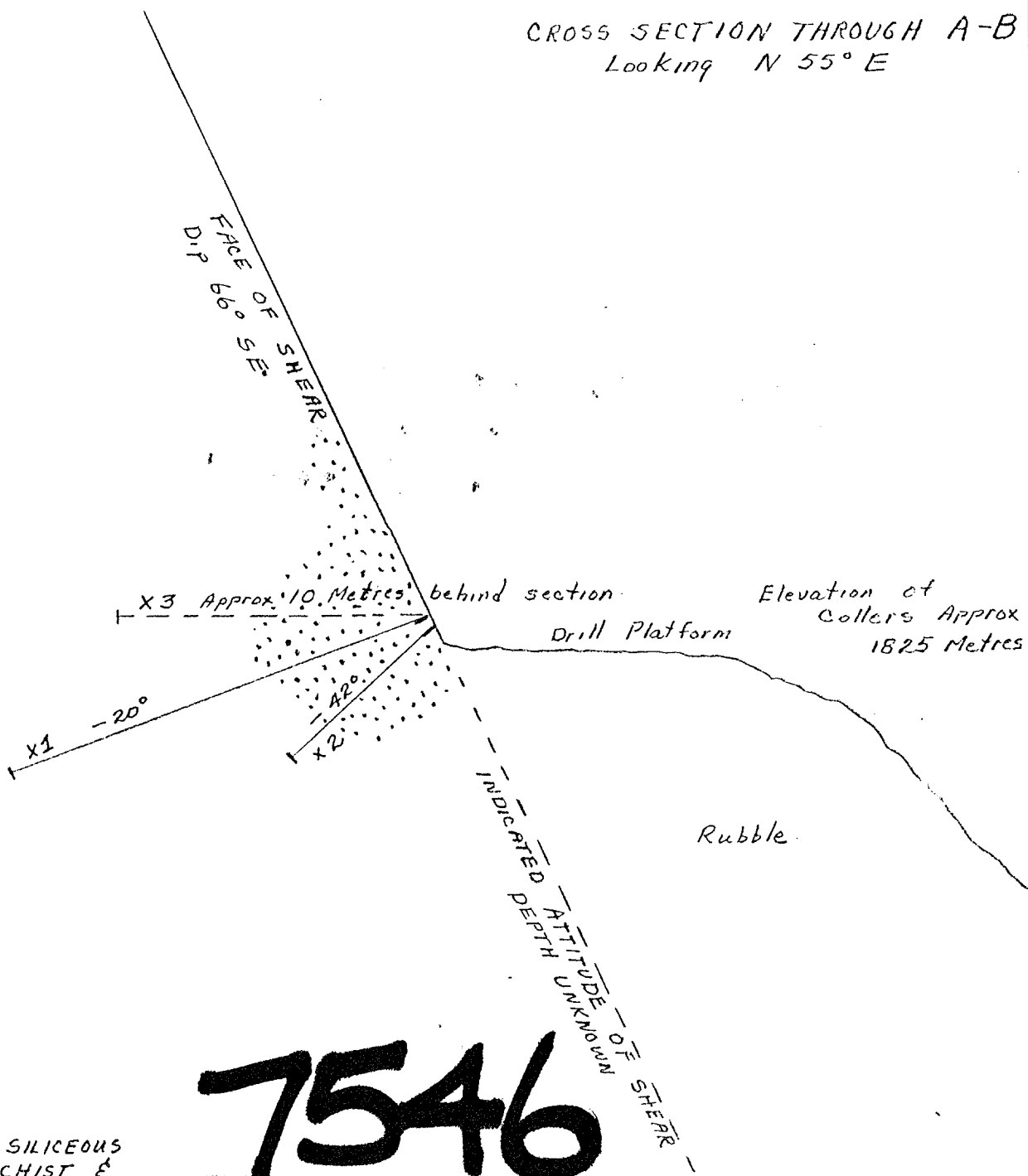
APPENDIX I

Equipment used;           E G W Boyles X - Ray drill  
Core size;                 I E X S Bits, Core 1 inch diameter  
Core Storage;             The split core is stored on the property at  
                              the Suzie Mining Exploration camp.


The property and the drill sites were visited by Mr. Gerry Klein of  
the Department of Energy, Mines and Resources, Prince George on Aug 29, 1979.


MAP 1

CROSS SECTION THROUGH A-B  
Looking N 55° E

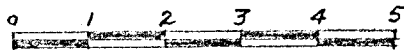


LEGEND

 QUARTZITE, SILICEOUS  
SERICITE SCHIST &  
unknown

 MINERALIZED ZONE  
GRAY QUARTZITE

SUZIE MINING EXPLORATIONS LTD.  
WASI LAKE PROJECT  
OMINECA M.D., B.C.  
GAEL #6 & 7 M.C.

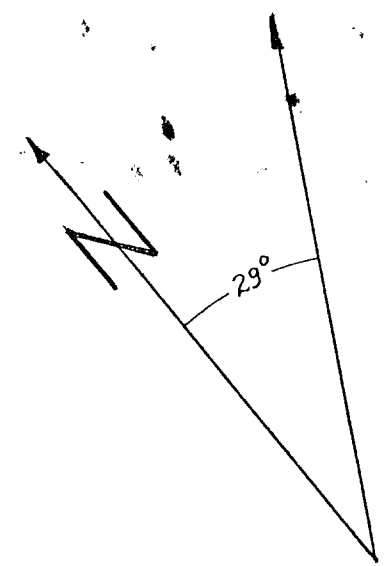
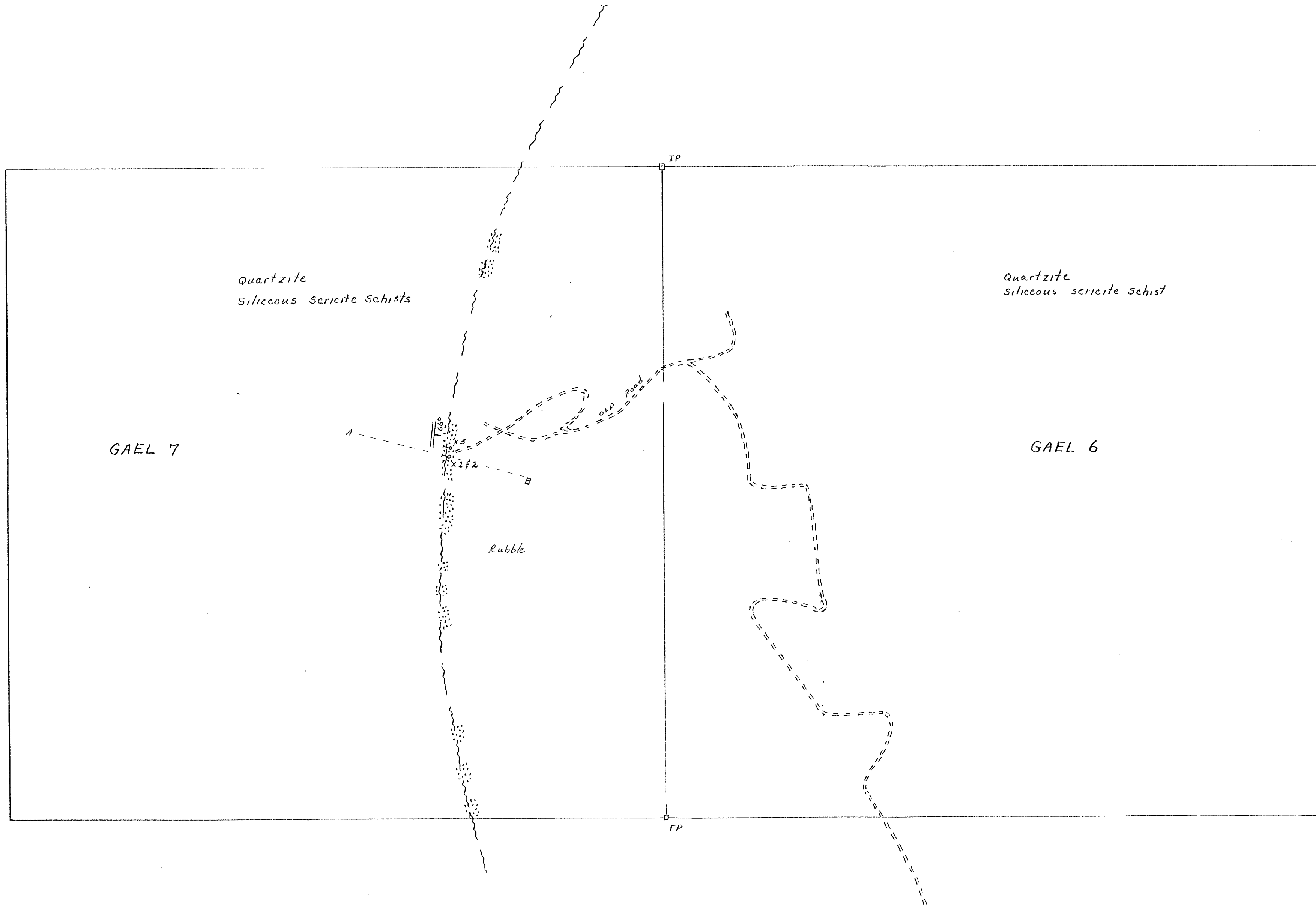


SCALE 1 - 100

METRES

DRAWN BY: D.K.B.

DATE: OCT 1979



LEGEND

- Quartzite, siliceous sericite schist or unknown.
- Mineralized zones gray quartzite
- 60° vein attitude
- Road


7546

MAP 2

SUZIE MINING EXPLORATIONS LTD. WASI LAKE PROJECT OMNECA M.D., B.C. GAEL #6 & 7 MC.	
<p>SCALE 1-2000 METRES</p>	
DRAWN BY: D.K.B.	
DATE OCT 1979	



7546

SUZIE MINING EXPLORATIONS LTD.	
W A S I L A K E	
APPROXIMATE BOUNDARIES OF CLAIMS	
MAP 3	Scale - 1:5,000
 <b>McElhanney</b> McElhanney Surveying & Engineering Ltd. 1200 West Pender Street, Vancouver B.C., Canada	Contour Interval - 10 METRES
	Date - JAN 1978
	Job No. - 06421-0
	METRES 