

GEOCHEMICAL

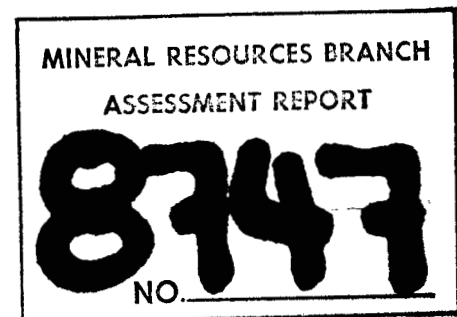
REPORT ON THE  
HORN CLAIM (104G/9W)  
KINASKAN LAKE AREA  
LIARD MINING DIVISION, B.C.

57° 42.4' N 130° 15' W

For

TENAJON SILVER CORPORATION

By



G.A. NOEL, P.Eng.

December 9, 1980

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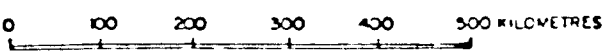
## SUMMARY

The Horn claim is a silver property formerly known as the SF group located on Dedeia Creek on the Klastline Plateau eleven kilometres west-northwest of the north end of Kinaskan Lake in the Liard Mining Division, B.C. The property consists of four claims - the Horn claim covers the known mineralization and is surrounded by the Silver 1-4 claims. In 1965 Conwest undertook a program of geological mapping, trenching and sampling and diamond drilling on the SF group. Three holes totalling 325.7 metres were drilled but the results were not sufficiently encouraging to warrant further work at that time. The Horn claim was located in May 1979, followed by the Silver 1-4 claims in September, 1980. In August, 1980, a soil sampling and prospecting program was completed for ERL Resources Ltd. on the Horn property. Silver mineralization occurs in a distinctive red volcanoclastic conglomerate in shear and fracture zones, barite veins, barite stockworks and along feldspar dike contacts. The red conglomerate has a general low silver content indicating that the silver may be of volcanic origin. The 1965 trenching outlined several zones of better mineralization, the best of which measured 45 metres long by 4.2 metres wide on surface with average grade of 11.04 oz/ton in silver. The 1965 drilling indicated that some of the higher silver values at the surface are due to surface enrichment. However, a number of narrow silver-bearing sections grading 3-10 oz/ton over 0.5 to 1.5 metres in width were intersected. The drilling also showed some good widths of low-grade silver, such as; 26.8 metres grading 1.43 oz/ton. The 1985 prospecting and soil sampling results have extended the mineralized area for at least 600 metres to the east. The Horn claim warrants further investigation both for small higher grade silver zones and for rather large lower grade silver zones. A two-stage exploration program has been recommended for this investigation. The initial stage consisting of geological mapping and prospecting, a geochemical

soil survey and trenching is estimated to cost \$75,000. The second stage, contingent on the initial results, would entail about 1000 metres of diamond drilling at an estimated overall cost of \$240,000.



FIGURE 1  
LOCATION MAP  
HORN CLAIM  
Kinaskan Lake Area,  
Liard M.D., B.C.



## INTRODUCTION

This report on the Horn claim (formerly SF property) has been prepared at the request of Tenajon Silver Corp. It is based on a brief examination of some of the showings on August 22, 1980 in conjunction with a study of data supplied by Tenajon Silver Corp. The purpose of the report is to present: an objective geological assessment of the property to determine if further exploration is warranted; a suitable exploration program if recommended; and a cost estimate for the recommended program.

## LOCATION

The Horn claim is 11 kilometres west-northwest of the north end of Kinaskan Lake and seven kilometres east of the south end of Nuttlude Lake. The property is at an elevation of 1650-1750 metres on the Klastline Plateau near the head of Dedeia Creek, which flows west-southwest into the north end of Kakiddi Lake. The nearest settlement is Iskut Village (Eddontenajon) on the Stewart-Cassiar highway, 22 kilometres to the northeast. The property can be reached from Iskut, Telegraph Creek, Dease Lake or Stewart by float aircraft to the north end of Kakiddi Lake and by 8 kilometres of rough trail northeast to the property, or by helicopter from these points or from the highway at the north end of Kinaskan Lake.

PROPERTY

The property consists of four claims, which cover an area four kilometres (north-south) by five kilometres (east-west), that is, 2000 hectares. The Horn claim covers the known mineralization and is surrounded by the Silver 1-4 claims. The legal corner post of the Horn claim is its southwest corner whereas the LCP of Silver 1-4 is the common corner of these four claims.

These claims are recorded in the Liard Mining Division and are shown on claim map 104G/9W.

<u>Claim</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Expiry Date</u>
Horn	793	12	June 6, 1981
Silver 1	1610	20	Sept. 24, 1981
Silver 2	1611	20	"
Silver 3	1612	20	"
Silver 4	1613	20	"

The claims are owned by Tenajon Silver Corp., 1450 - 625 Howe Street, Vancouver, B.C.

HISTORY

The 48 SF claims were located in September, 1964 to cover silver, lead, zinc and copper mineralization discovered by A.H. Grant and Arthur John while prospecting for Conwest Explorations Ltd., in the Kinaskan Lake area. In 1965, Conwest undertook a program of trenching, sampling, geological mapping and diamond drilling under the direction of G.W. Grant. A total of 1069 feet of drilling was done in three holes but the results were not considered sufficiently encouraging to warrant further work at that time.

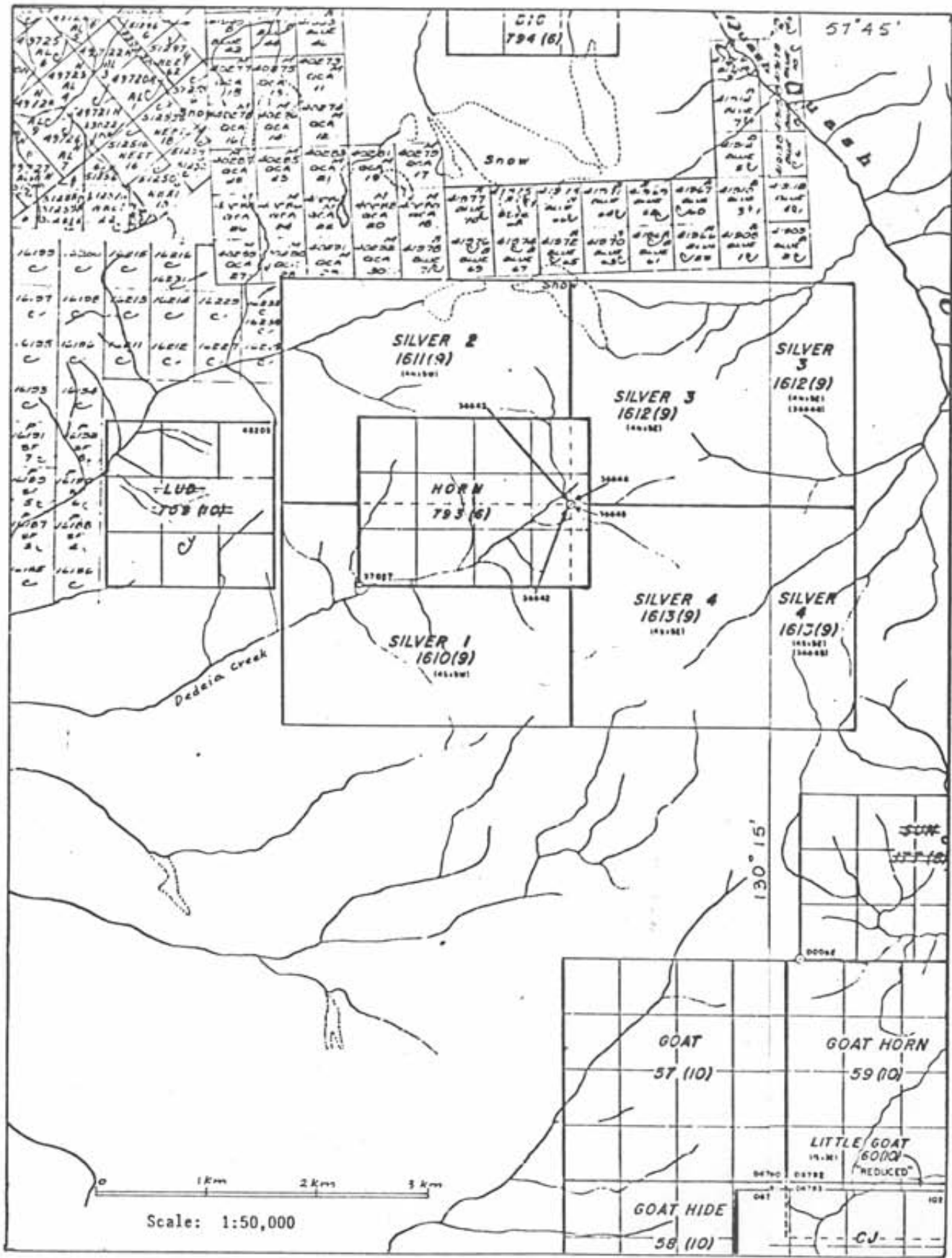


FIGURE 2  
PROPERTY MAP - HORN CLAIM  
Kinaskan Lake Area, B.C.



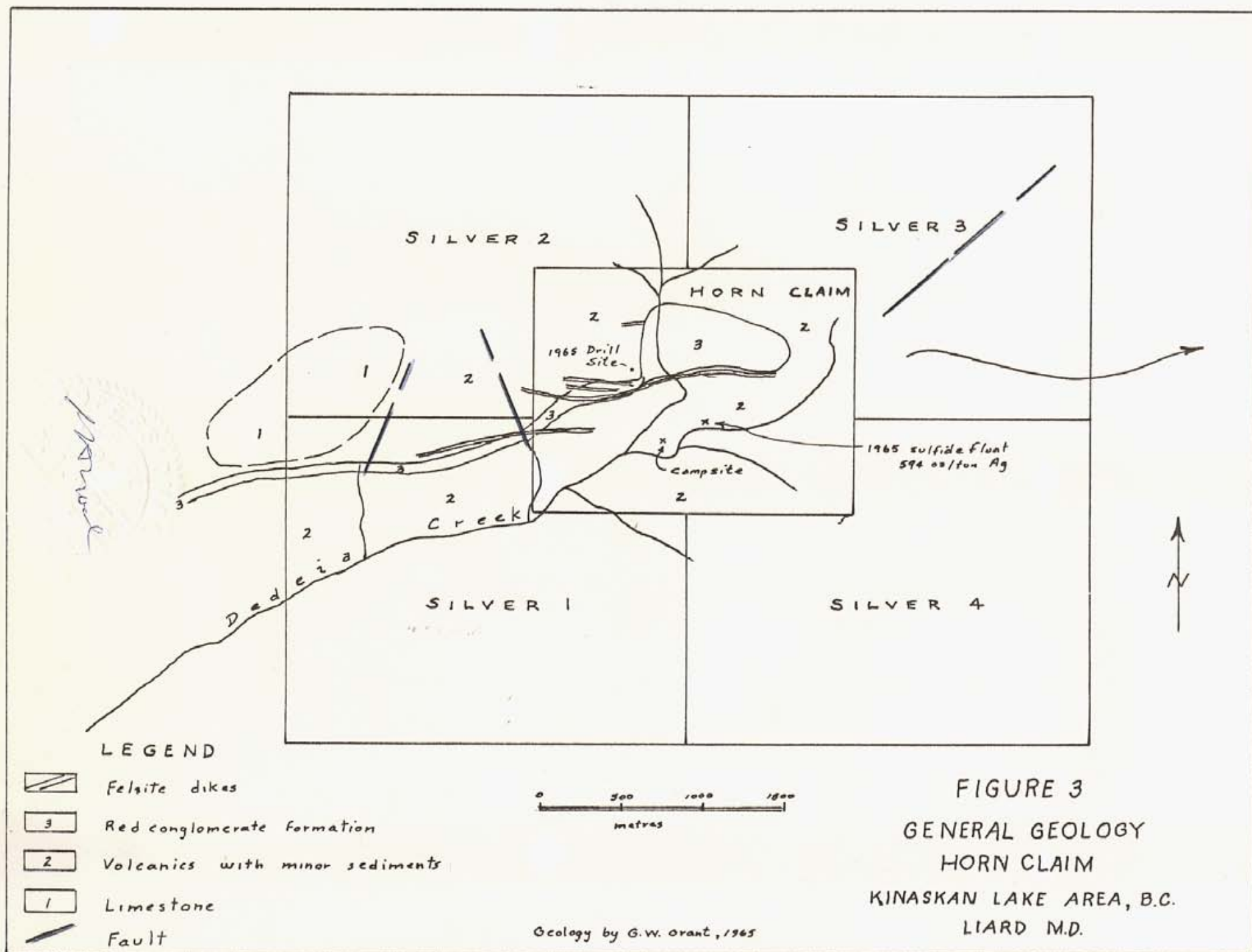
The Horn claim was staked on May 10, 1979 by N. Wychopen for D. McLeod. This claim was subsequently transferred to ERL Resources Ltd. and prospecting and soil sampling were done over part of this ground by a 2-man crew from August 15-22, 1980. On September 20, 1980 N. Wychopen located Silver 1-4 claims surrounding the Horn claim.

#### 1980 FIELDWORK

A total of 181 soil samples were collected from two grids on the Horn claim. The first grid was directly east of the ground covered by Conwest in 1965. The grid measured 800 metres east-west by 650 metres north-south with north-south traverse lines spaced at 100-metre intervals and sample stations at 50-metre intervals.

The second grid covered the area of better grade silver mineralization in the 1965 trenching and extended 550 metres east-west by 200 metres north-south. As before, soil samples were taken at 50-metre intervals on north-south traverse lines.

In addition to the soil sampling, detailed prospecting was carried out over the area to the east of the Conwest 1965 coverage.



## GEOLOGY

### General

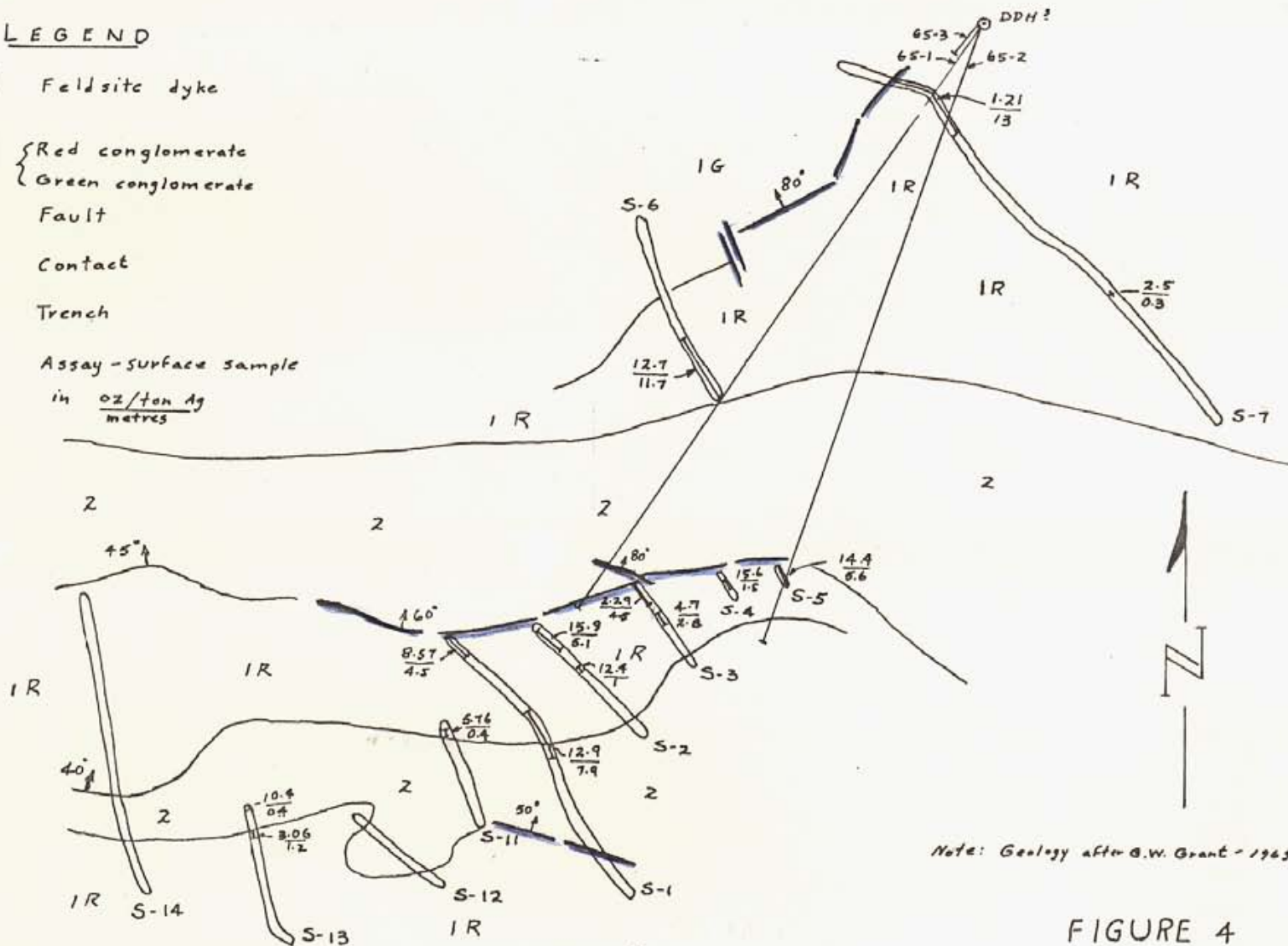
The ridge on the east side of Nuttlude and Kakiddi Lakes is underlain by Upper Triassic sediments which include slate, chert, siltstone and volcanic sandstone overlain by a thick section of volcanic and derived volcanoclastic rocks. This latter unit consists of at least 1200 metres of green, purple and grey andesite and derived volcanoclastics. The volcanoclastic rocks include intervals of greywacke, siltstone and minor conglomerate. This unit of volcanoclastics and sediments is considered by Souther (1972) to be Upper Triassic in age. Structural trends in the Triassic section in this area are generally east-west with fairly steep dips to north and south.

### Property

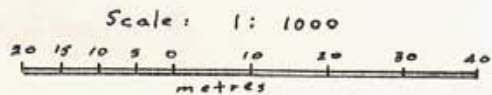
The Horn claim is underlain by Upper Triassic volcanoclastic rocks including volcanic conglomerates, greywackes, siltstones, cherts, argillites, volcanic flows and pyroclastics. The most important of these units on the property are the conglomerates which have been sub-divided into red conglomerate, green conglomerate and brown conglomerate formations. The principal member of the red conglomerate formation consists of a massive purple-red conglomerate with sub-rounded to sub-angular volcanic, chert and jasper clasts in a siliceous hematitic matrix. The size of the clasts varies from 2-60 centimetres in diameter. About 15% of the red conglomerate formation consists of red greywackes of similar composition to the conglomerate. About 5% of the formation consists of chert and argillite. The red conglomerate in general strikes  $N60^{\circ}E/50^{\circ}NW$ .

LEGEND

- 2 Feldsite dyke
- IR
IG
 { Red conglomerate  
Green conglomerate
- Fault
- Contact
- Trench
- S-5 Assay - surface sample  
in  $\frac{\text{oz/ton Ag}}{\text{metres}}$



Note: Geology after G.W. Grant - 1965



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FIGURE 4  
 DETAILED GEOLOGY  
 HORN CLAIM  
 KINASKAN LAKE AREA, B.C.  
 LIARD M.D.

The red conglomerate formation is unconformably overlain by the green conglomerate formation. These units are similar in composition but the clasts in the green conglomerates are generally smaller and more uniform in size than in the red conglomerates. The matrix is chloritic and green in colour. The unit includes well bedded conglomerate and greywacke with individual beds up to 30 metres thick. The green conglomerate formation in general strikes N-S and dips  $50^{\circ}$  to the west.

A grey-brown conglomerate consisting of sub-angular to angular clasts and blocks of volcanic rock in a grey-brown matrix conformably overlies the green conglomerate formation. A well bedded greywacke is present at the base of the formation. The general attitude of this unit is N-S/ $60^{\circ}$ W.

Other rocks in the area are volcanics or minor sediments derived from the volcanics.

These Upper Triassic volcanoclastics and sediments are cut by a number of felsite and andesite dikes. The felsites are hard, siliceous, fine grained to aphanitic, light grey rocks which weather light yellow. They are in many places porphyritic with quartz and feldspar phenocrysts. The dykes trend E-W and dip  $35^{\circ}$  to  $50^{\circ}$  north. They vary in width from 6-30 metres and are strongly jointed. The andesite dikes are aphanitic to fine grained and porphyritic and 30-120 cm wide.

The mineralized area is cut by three strong faults. (See Figure 3). About 1200 metres northeast of the centre of the Horn claim, a  $N45^{\circ}$ E fault cuts obliquely across the volcanoclastic section. About 800 metres west of the centre of the Horn claim, a  $N25^{\circ}$ W fault displaces (right hand displacement) the red con-

glomerate formation on the north side of Dedeia Creek. About 800 metres further west, a N25°E fault cuts the red conglomerate formation with no apparent displacement. All of these faults are steeply dipping. Numerous minor faults cut the three sedimentary formations. These are mainly east-west with north dips and produce right-hand displacement. The felsite dikes are cut by north-south and northwest-striking steep faults mainly with right-hand displacements.

### Mineralization

The mineralization consists of silver-bearing barite veins in the red conglomerate formation along shear zones, fractures and dike contacts. The red conglomerates have been traced in an east-west direction for 4000 metres, but the silver bearing zones are confined to about 650 metres towards the west end of the formation. Much of the red conglomerate shows an inherent low silver content possibly as high as 0.3 oz/ton. Higher values occur in the red conglomerate in shear and fracture zones, barite veins and stockworks and along felsite dike contacts. The silver-bearing shear and fractures zones generally strike N60°E and dip steeply southeast and northwest.

### RESULTS OF 1965 FIELDWORK

Trenching. One shear and fracture zone in the red conglomerates was traced by trenching for 45 metres along strike with an average assay of 11.04 oz/ton silver across 4.2 metres (G.W. Grant, 1966). About 400 metres to the west, a shear zone striking N60°W and dipping steeply northeast was traced for over 20

metres and averaged 7.9 oz/ton silver across 2.2 metres width. (G.W. Grant, 1966). Other isolated shear zones showed the following silver values in the 1965 trenching program: 1.21 oz/ton across 13.0 metres; 4.7 oz/ton across 2.8 metres; and 12.4 oz/ton across 1.0 metre.

Barite stockworks showed erratic silver values with very little continuity. Some of the silver assays from trench samples of this type of occurrence were as follows: 12.7 oz/ton across 11.7 metres; 1.75 oz/ton across 15.0 metres.

Contacts between felsite dikes and the red conglomerates showed fairly good silver values with little or no sulphides apparent. Typical of these zones were the following silver assays from the 1965 trench samples: 12.9 oz/ton across 7.9 metres; 5.76 oz/ton across 0.4 metres; 10.4 oz/ton across 0.4 metres; and 3.06 oz/ton across 1.2 metres.

Diamond Drilling (AXT)

<u>Drill Hole</u>	<u>Dip</u>	<u>Elevation (metres)</u>	<u>Length in metres</u>
65-1	-45°	1700	160.3
65-2	-45°	1700	156.6
65-3	-60°	1700	8.84 (stopped due to low silver assays in holes 65-1 & 65-2)

Drill Log Summaries & Assays

DDH 65-1

0 - 57.9 metres		purple-red conglomerate with greywacke
57.9 - 83.4 "	"	felsite dike
83.4 - 131.9 "	"	purple-red conglomerate with greywacke and chert
131.9 - 153.9 "	"	felsite dike
153.9 - 160.3 "	"	purple-red-green pebble conglomerate
160.3		End of hole

Assays

<u>Interval (metres)</u>	<u>Length (metres)</u>	<u>Ag oz/ton</u>
0 - 27.0	27.0	1.43
56.7 - 57.0	0.3	1.86
76.2 - 77.7	1.5	2.38
117.3 - 123.1	5.8	1.49

DDH 65-2

0 - 1.5 metres	A - casing
1.5 - 59.6 "	purple-red conglomerate with greywacke
59.6 - 79.6 "	felsite dike
79.6 - 156.7 "	purple-red pebble conglomerate
156.7 "	End of hole

Assays

<u>Interval (metres)</u>	<u>Length (metres)</u>	<u>Ag oz/ton</u>
1.5 - 19.5	18.0	1.53
19.5 - 43.8	24.3	0.65
65.5 - 66.8	1.3	5.72
71.6 - 73.2	1.6	2.00
86.0 - 88.4	2.4	2.55
129.7 - 132.3	2.6	1.18
132.3 - 133.4	1.1	11.0
133.4 - 135.9	2.5	1.3

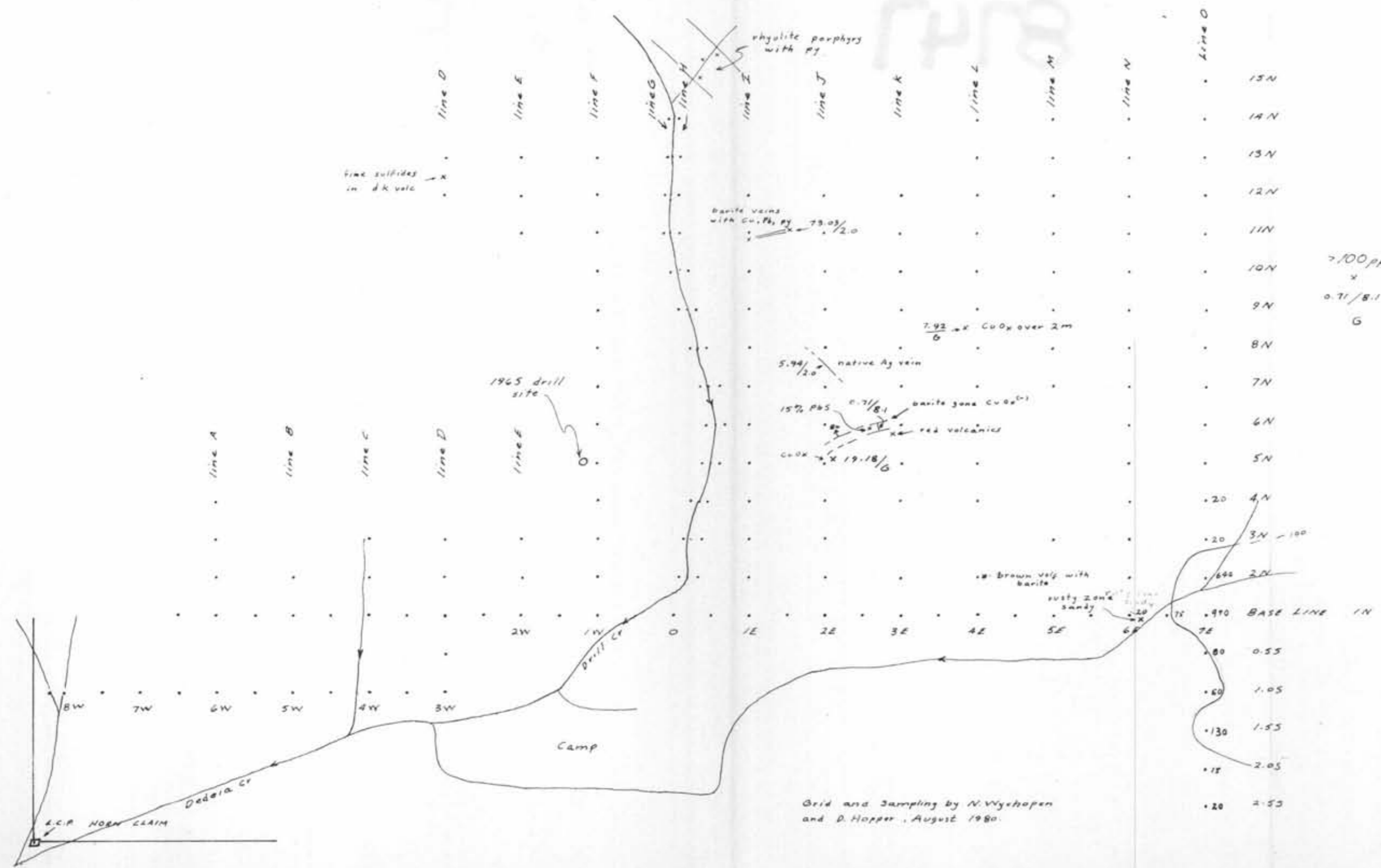
DDH 65-3

0 - 8.84 metres	purple red greywacke with barite
8.84 "	End of hole



MINERAL RESOURCES BRANCH  
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NO.



LEGEND

- 7100 ppb Anomalous Au in Soils
- x Sample Location
- 0.71/8.1 Sample Assay - 02/ton Ag metres
- G Grab Sample



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FIGURE 5  
PROSPECTING - 1980  
HORN CLAIM  
KINASKAN LAKE AREA, B.C.  
LIARD M.D.

G.A. NOEL, P. ENG. DEC. 1980  
0 100m 200m 300m  
1:5000

Grid and Sampling by N. Wychopen  
and D. Hopper, August 1980.

RESULTS OF 1980 FIELDWORK

Prospecting

Prospecting to the east of the ground covered by Conwest Explorations in 1965 resulted in the discovery of at least four new silver-bearing mineral occurrences. The barite zone between geochemical grid lines J6 and K6, about 380 metres east of the 1965 drill site, trends  $N70^{\circ}E$  and dips  $80^{\circ}$  to the north. A series of chip samples across this zone averaged 0.71 oz/ton silver over 8.1 metres. A grab sample from the footwall of the zone assayed 19.18 oz/ton silver. A grab sample from the zone showing about 15% galena assayed only 0.25 oz/ton silver.

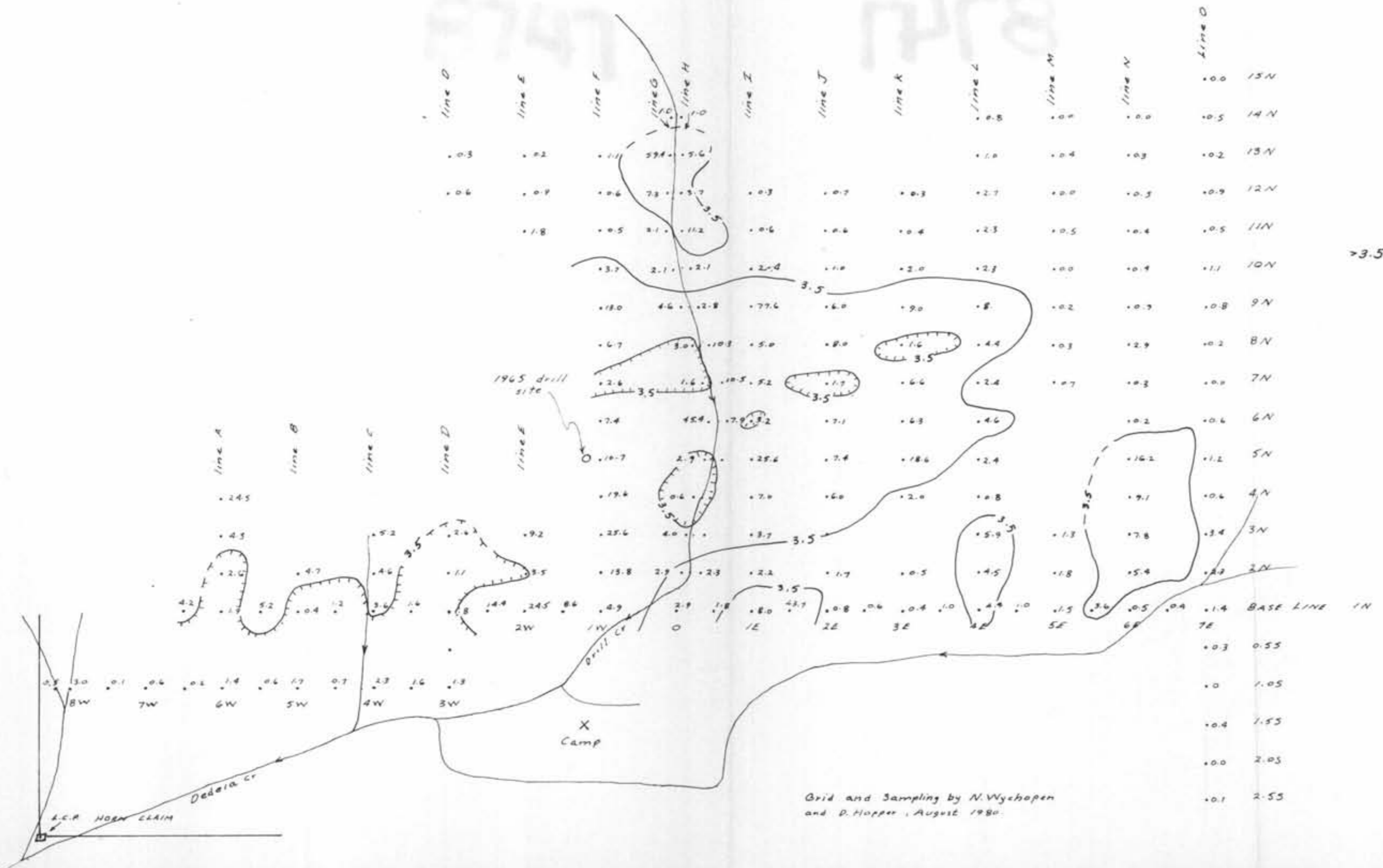
About 170 metres to the northeast of this barite zone, a grab sample from a copper-oxide stained showing in a fine grained brown tuff assayed 7.92 oz/ton silver.

About 100 metres northwest of the barite zone, a narrow fracture trending  $N45^{\circ}W$  shows platy native silver accompanied by a green alteration product. A sample taken across two metres assayed 5.94 oz/ton silver. A selected sample across five cms of the narrow vein assayed 789.01 oz/ton silver.

About 140 metres northwest of the high grade vein, a barite vein showing some copper and lead mineralization assayed 73.03 oz/ton silver over two metres.

These discoveries are shown on Figure 5.

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 ASSESSMENT REPORT  
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LEGEND  
 >3.5 PPM - ANOMALOUS VALUES

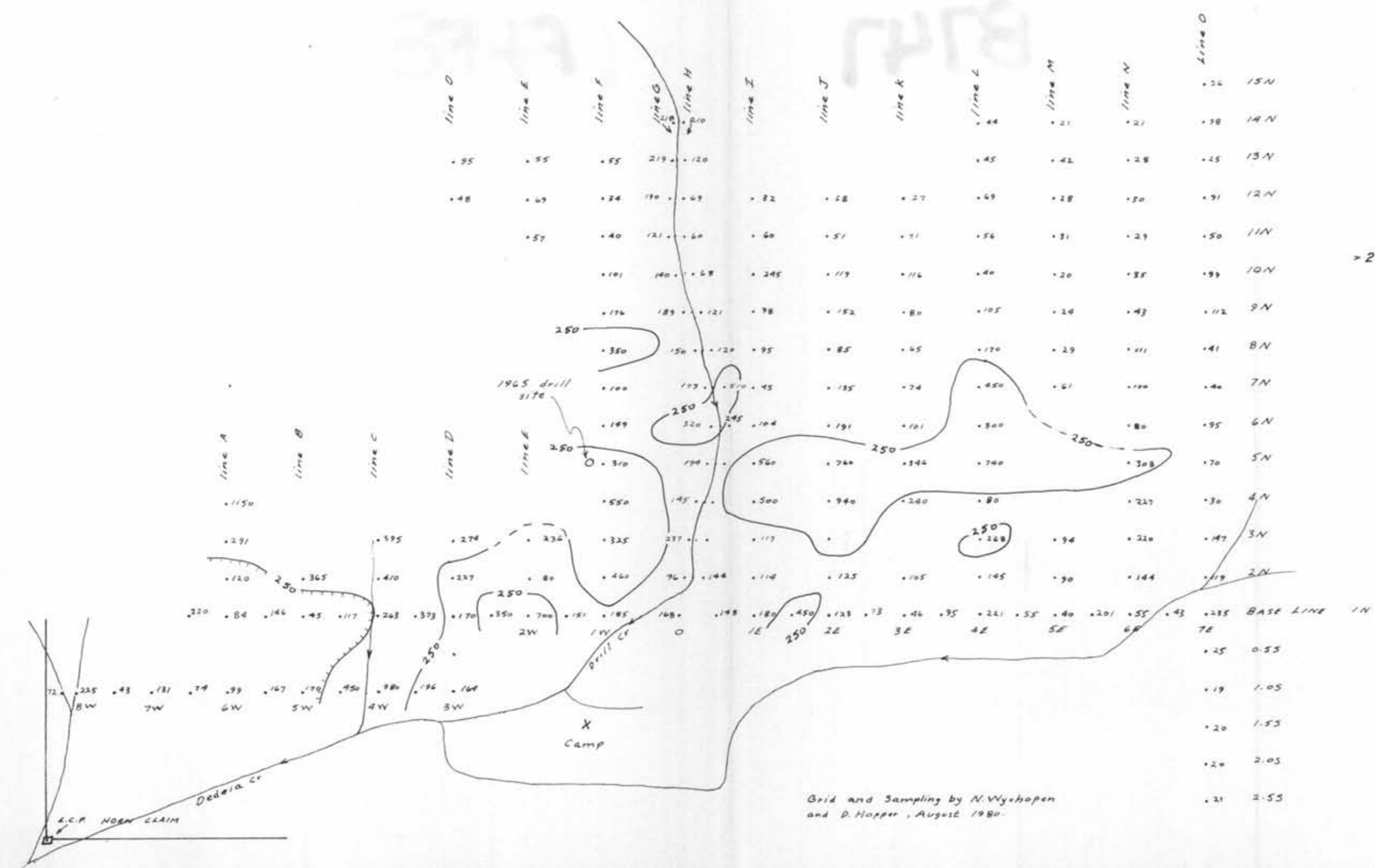


*G.A. Noel*

FIGURE 6  
 SILVER IN SOILS  
 HORN CLAIM  
 KINASKAN LAKE AREA, B.C.  
 LIARD M.D.  
 G.A. NOEL, PENG. DEC. 1980  
 0 100m 200m 300m  
 1:5000

Grid and Sampling by N. Wychopen  
 and D. Hopper, August 1980.

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ASSESSMENT REPORT  
**8747**  
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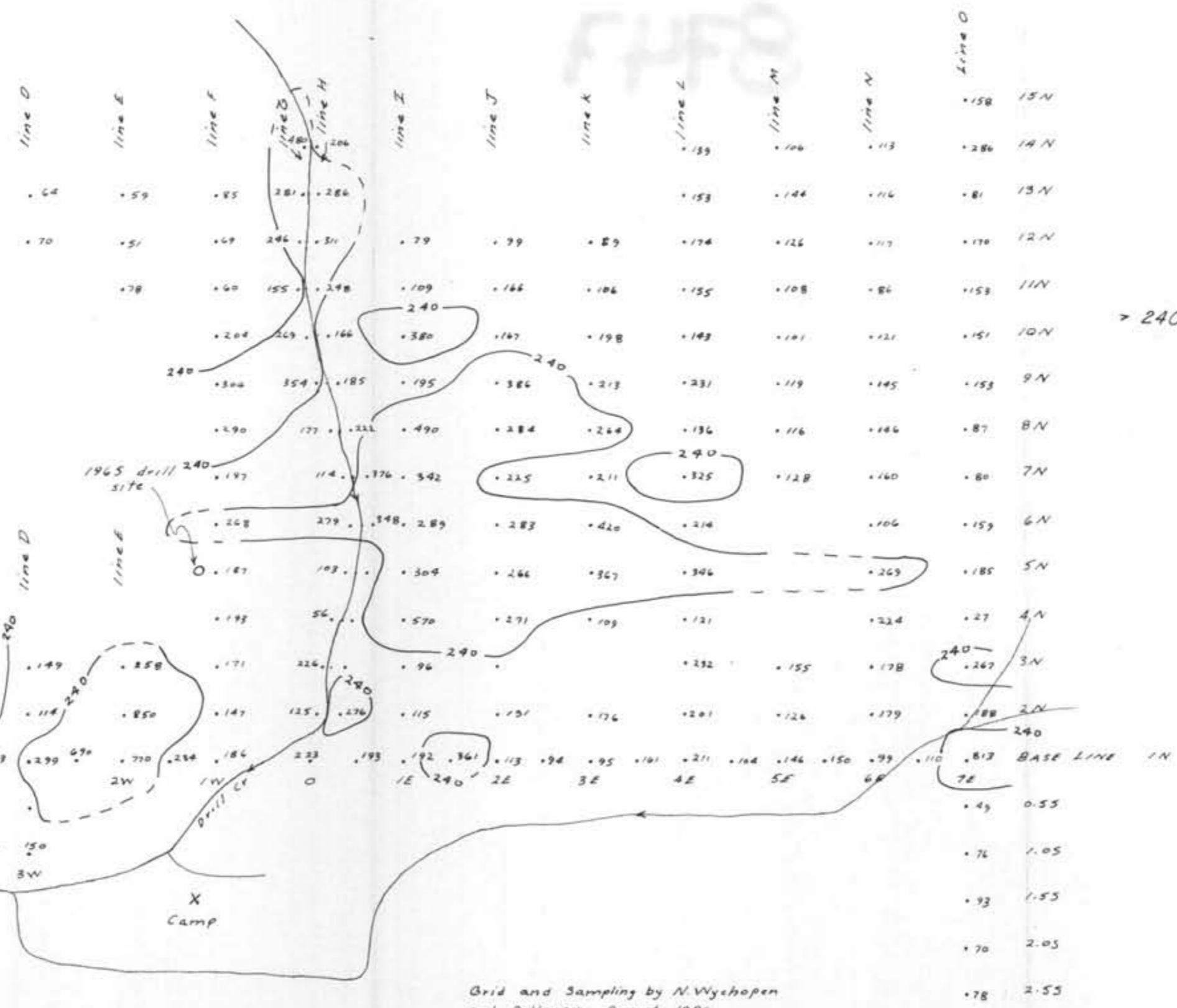
LEGEND  
 > 250 PPM-ANOMALOUS VALUES

FIGURE 7  
 LEAD IN SOILS  
 HORN CLAIM  
 KINASKAN LAKE AREA, B.C.  
 LIARD M.D.  
 G.A. NOEL, P. ENG. DEC. 1980  
 1:5000

Grid and Sampling by N. Wyehopen  
 and D. Hopper, August 1980.

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F.H.F.S.



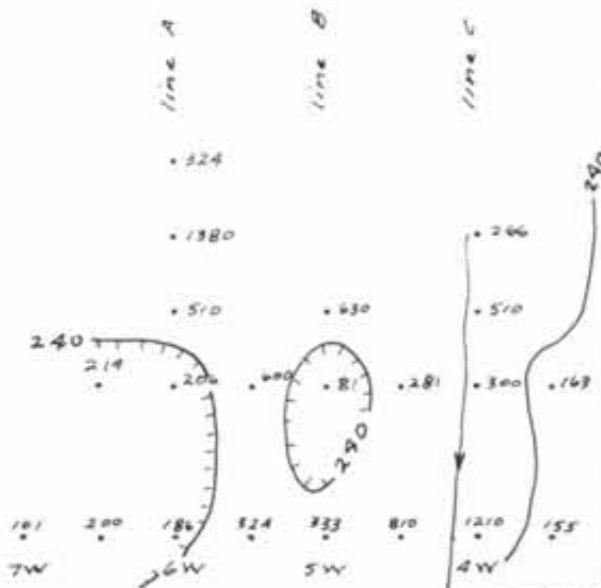
LEGEND  
○ > 240 PPM - ANOMALOUS VALUES



*Noel*

FIGURE 8  
ZINC IN SOILS  
HORN CLAIM  
KINASKAN LAKE AREA, B.C.  
LIARD M.D.  
G.A. NOEL, P. ENG. DEC. 1980  
0 100m 200m 300m  
1:5000

Grid and Sampling by N. Wyehopen  
and D. Hopper, August 1980



A.C.P. HORN CLAIM

### Geochemical Soils

From a statistical appraisal of the soil analyses, the following anomalous limits were determined:

silver	> 3.5 ppm
lead	> 250 ppm
zinc	> 240 ppm

The areas of anomalous values are shown on Figures 6, 7 and 8. The lead, zinc and silver anomalies east of Drill Creek, which is the eastern edge of the area covered in the 1965 field-work, coincide fairly well. The anomalous area extends for at least 500 metres east of Drill Creek and apparently follows the ENE extension of the red conglomerate formation. The silver-bearing barite zones found by prospecting are all located within the main silver soil anomaly.

The area covered by soil sampling west of Drill Creek and just north of Dedeia Creek shows fairly coincident silver and lead anomalies which correspond very well with the main silver-bearing zone in the red conglomerates outlined in the 1965 trenching. These soil anomalies extend for at least 600 metres west of Drill Creek.

### CONCLUSIONS

Silver mineralization on the Horn claim occurs in a distinctive red conglomerate formation as shear and fracture veins, barite veins and stockworks and along the conglomerate contacts with felsite dikes. The red conglomerate has a general low silver

content that may average 0.3 oz/ton.

The red conglomerate is undoubtedly of volcanoclastic origin and its silver content probably derives from the volcanic source rocks. Hydrothermal concentration of the mineralization has occurred as indicated by the associated silicification and barite veining.

The 1965 hand trenching showed a rather erratic distribution of the silver mineralization over an area about 200 metres long by 60 metres wide extending west-southwest of the drilling site. Several zones of significant silver mineralization were outlined with the best measuring 45 metres long by 4.2 metres wide on surface and averaging 11.4 oz/ton in silver.

The 1965 drilling results were quite disappointing in that they showed that some of the higher silver values at the surface are due to surface enrichment. However, the drilling did cut a number of silver-bearing sections grading 3-10 oz/ton over 0.5 to 1.5 metres in width. In addition the drilling showed some good widths of low-grade silver, such as;

26.8 metres of 1.43 oz/ton Ag (Hole 65-1)  
17.9 metres of 1.53 oz/ton Ag (Hole 65-2)

It is therefore concluded that the Horn property has good potential for both small higher grade (5-10 oz/ton) silver zones as well as rather large lower grade (1-3 oz/ton) silver zones.

The 1985 prospecting and soil sampling results indicate that the mineralized area extends for at least 600 metres further east than was considered in the 1965 work. The presence of anomalous gold values in soils in the southeast corner of the grid indicates the need for extending the primary exploration even further to the east and south.

The Horn claim definitely warrants further exploration work including geological mapping and prospecting, geochemical soil surveys, surface trenching and sampling to be followed up with diamond drilling.

### RECOMMENDATIONS

It is recommended that the exploration program be carried out in two stages. The first stage would include geological mapping, and prospecting, a geochemical soil survey to the east, south and possibly to the west, testing for silver, gold, lead and zinc, and trenching of mineralization and geochemical anomalies. This work should be conducted from a camp established on Dedeia Creek.

The second stage would involve diamond drilling of mineralized sections and geochemical anomalies selected for both higher grade and lower grade possibilities.



G.A. NOEL, P.Eng.

Vancouver, B.C.  
December 9, 1980



COST ESTIMATE

Stage I

Time: 6 weeks; Crew: 6 (geologist, 2 assistants, prospector, helper & cook)

Salaries and wages		\$ 20,000.00
Camp supplies & equipment		15,000.00
Food & Fuel		5,000.00
Travel expenses & freight		5,000.00
Aircraft support		
Fixed wing	\$ 3,000.00	
Helicopter	<u>12,000.00</u>	15,000.00
Assaying & analyses		<u>5,000.00</u>
		\$ 65,000.00
Contingencies		<u>10,000.00</u>
Total Cost		\$ <u>75,000.00</u>

Stage 2

Time: 4 weeks; Crew: (geologist, 1 assistant, cook, 4 drillers, prospector & assistant)

Diamond Drilling: 1000 metres @ \$160/metre		\$160,000.00
Helicopter support		25,000.00
Engineering & geology		10,000.00
Assaying & freight		3,000.00
Drill site preparation		5,000.00
Food & fuel		<u>5,000.00</u>
		\$208,000.00
Contingencies		<u>32,000.00</u>
Total Cost		\$ <u>240,000.00</u>

*G. A. Noel*

REFERENCES

B.C. Minister of Mines Annual Report, 1965.

Grant, G.W. (1966): Final Geological Report, SF Group, Stikine Area; private report for Conwest Explorations Ltd., Jan.11,1966.

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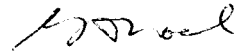
Phendler, R.W. (1980): Report on the Horn Claim, Liard M.D., B.C.; private report for ERL Resources Ltd., June 30, 1980.

Souther, J.G. (1972): Telegraph Creek Map-Area, B.C., Geol. Surv. Canada, Paper 71-44.

CERTIFICATE

I, Gerald A. Noel do hereby certify that:

1. I am a practising geological engineer with G.A. Noel & Associates, Inc., 622 - 510 West Hastings Street, Vancouver, B.C.
2. I am a graduate of the University of B.C. and the University of Toronto and have been granted the degree of Master of Applied Science.
3. I have been practising my profession as a geological engineer for over 25 years.
4. I am a member of the Association of Professional Engineers of British Columbia, Registration No.4283.
5. This report is based on a personal examination of the Horn claim on August 22, 1980 supplemented by information from references cited in the report.
6. Neither I nor any member of my firm has directly or indirectly received or expects to receive any interest direct or indirect in the property or securities of Tenajon Silver Corp.
7. Tenajon Silver Corp. is hereby given permission to reproduce this report, or any part of it, for the purpose of a financial prospectus; provided however, that no portion may be used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.

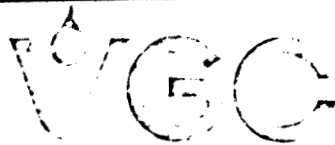


G.A. NOEL, P.Eng.

Vancouver, B.C.  
December 9, 1980

A P P E N D I X

Geochemical Analyses and Assays



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Erl Resources Ltd.  
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Attention:

Report No: 80-36-001 Page 1 of 5  
 Samples Arrived: August 26, 1980  
 Report Completed: September 4, 1980  
 For Project: —  
 Analyst: E.T. & VGC Staff  
 Invoice: #5813 Job #80-277

Sample Marking	Cu ppm	Pb ppm	Zn ppm	Ag* ppm	Au ppb
A - 1	21	84	206	1.9	nd
2	40	120	510	2.6	10
3	69	291	1380	4.3	nd
A - 4	30	1150	324	24.5	nd
B - 1	21	45	81	0.4	nd
B - 2	36	365	630	4.7	10
C - 1	44	263	300	3.6	10
2	28	410	510	4.6	nd
C - 3	69	395	266	5.2	nd
D - 1	41	170	299	1.8	nd
2	68	227	114	1.1	nd
3	82	274	149	2.6	nd
12	20	48	70	0.6	nd
D - 13	27	95	64	0.3	10
E - 1	64	700	770	24.5	nd
2	51	80	850	3.5	nd
3	40	236	258	9.2	nd
11	21	57	78	1.8	10
12	54	69	51	0.9	10
E - 13	15	55	59	0.2	nd
F - 1	34	185	186	4.9	nd
2	86	460	147	13.8	nd
3	125	325	171	25.6	nd
4	83	550	193	19.6	nd
5	60	310	187	10.7	nd
6	32	149	268	7.4	nd
7	37	100	197	2.6	nd
8	40	350	290	6.7	nd
9	27	176	304	13.0	nd
11	19	40	60	0.5	nd
12	14	34	69	0.6	nd
F - 13	14	55	85	1.1	10
G - 1	25	218	480	1.0	nd
2	46	219	281	59.4	nd
3	28	190	246	7.3	10
4	38	121	155	2.1	10
5	32	140	269	2.1	nd
6	30	189	354	4.6	nd
G - 7	41	150	177	3.0	nd

REMARKS: Ag\* = Ag background corrected.

Signed:

% Mo x 1.6683 = % MoS<sub>3</sub>      1 Troy oz./ton = 34.28 ppm      1 ppm = 0.0001%      nd = none detected      ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



VANGEOCHEM LAB LTD.  
 1521 PENDERTON AVE.  
 NORTH VANCOUVER B.C.  
 CANADA V7P 2S3

TELEPHONE 493-5211  
 AREA CODE 604

• Specializing in Trace Element Analyses •

# Certificate of Geochemical Analyses

-IN ACCOUNT WITH-  
**Erl Resources**

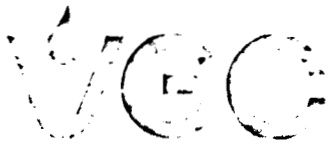
Report No: **80-36-001** Page **2** of **5**  
 Samples Arrived:  
 Report Completed:  
 For Project:  
 Analyst:

Attention:

Sample Marking	Cu ppm	Pb ppm	Zn ppm	Ag* ppm	Au ppb
G - 8	26	173	114	1.6	nd
9	218	320	279	45.4	nd
10	95	194	103	2.9	nd
11	24	145	56	0.6	nd
12	31	237	226	4.0	nd
13	33	96	125	2.9	nd
G - 14	48	168	223	2.9	nd
H - 1	40	210	206	1.0	nd
2	36	120	286	5.6	nd
3	18	69	311	3.7	nd
4	18	60	248	11.2	nd
5	21	68	166	2.1	nd
6	43	121	185	2.8	nd
7	25	120	222	10.3	nd
8	50	510	376	10.5	nd
9	71	245	348	7.9	nd
H - 13	58	144	276	2.3	nd
II - 1	36	180	192	8.0	nd
2	30	114	155	2.2	nd
3	56	117	96	3.7	nd
4	60	500	570	7.0	nd
5	21	560	304	25.6	nd
7	28	104	289	8.2	10
8	13	45	342	5.2	10
9	18	95	490	5.0	20
10	71	98	195	77.6	20
11	59	245	380	2.4	nd
12	25	60	109	0.6	nd
I - 13	20	32	79	0.3	nd
J - 1	36	123	113	0.8	nd
2	48	125	131	1.7	10
4	39	940	271	6.0	20
5	38	760	266	7.4	10
6	29	191	283	7.1	10
7	21	135	225	1.7	10
8	20	85	284	8.0	10
9	19	152	386	6.0	nd
11	31	119	167	1.0	nd
J - 12	23	51	166	0.6	nd

REMARKS: Ag\* = Ag background corrected.

Signed:



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 NORTH VANCOUVER, B.C.,  
 CANADA V7P 2S3

TELEPHONE 986 5211  
 AREA CODE 604

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# Certificate of Geochemical Analyses

- IN ACCOUNT WITH -  
**Erl Resources**

Report No. **80-36-001** Page **3** of **5**  
 Samples Arrived:  
 Report Completed:  
 For Project:  
 Analyst:

Attention:

Sample Marking	Cu ppm	Pb ppm	Zn ppm	Ag* ppm	Au ppb
J - 13	14	68	99	0.7	30
K - 1	33	46	95	0.4	nd
2	71	105	176	0.5	nd
4	20	240	109	2.0	nd
5	51	346	367	18.6	nd
6	19	101	420	6.3	20
7	16	74	211	6.6	30
8	6	65	264	1.6	nd
9	32	80	213	9.0	10
11	19	116	198	2.0	10
12	27	71	106	0.4	20
K - 13	14	27	89	0.3	nd
L - 1	37	221	211	4.4	nd
2	41	145	201	4.5	nd
3	64	268	232	5.9	nd
4	19	80	121	0.8	nd
5	19	740	346	2.4	nd
6	21	300	214	4.6	nd
7	10	450	325	2.4	nd
8	35	170	136	4.4	nd
9	22	105	231	8.8	nd
10	54	40	143	213	nd
11	60	56	155	2.3	nd
12	48	69	174	2.7	nd
13	55	45	153	1.0	nd
L - 14	49	44	139	0.8	nd
M - 1	15	40	146	1.5	nd
2	41	90	126	1.8	nd
3	40	94	155	1.3	nd
7	14	61	128	0.7	nd
8	36	29	116	0.3	nd
9	67	24	119	0.2	nd
10	71	20	101	nd	nd
11	41	31	108	0.5	nd
12	55	28	126	nd	nd
13	50	42	144	0.4	nd
M - 14	47	21	106	nd	nd
N - 1	58	55	99	0.5	20
N - 2	16	144	179	5.4	nd

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REMARKS: Ag\* = Ag background corrected.

Signed:



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 NORTH VANCOUVER, B.C.  
 CANADA V7P 2S3

TELEPHONE 980-5211  
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# Certificate of Geochemical Analyses

IN ACCOUNT WITH -  
**Erl Resources**

Report No: **80-36-001** Page **4** of **5**  
 Samples Arrived:  
 Report Completed:  
 For Project:  
 Analyst:

Attention:

Sample Marking	Cu ppm	Pb ppm	Zn ppm	Ag* ppm	Au ppb
N - 3	25	220	178	7.8	nd
4	22	227	224	9.1	10
5	29	308	269	16.2	15
6	36	80	106	0.2	15
7	39	100	160	0.3	nd
8	44	111	146	2.9	15
9	55	43	145	0.9	5
10	48	35	121	0.4	5
11	41	29	86	0.4	5
12	45	30	117	0.5	10
13	39	28	116	0.3	nd
N - 14	62	21	113	nd	40
O - 1	230	235	813	1.4	970
2	111	119	188	2.3	640
3	129	147	267	3.4	20
4	369	30	27	0.6	20
5	26	70	185	1.2	10
6	17	95	159	0.6	10
7	35	40	80	nd	nd
8	40	41	87	0.2	nd
9	37	112	153	0.8	10
10	39	99	151	1.1	15
11	40	50	153	0.5	5
12	39	91	170	0.9	5
13	31	25	81	0.2	5
14	192	98	286	0.5	nd
O - 15	50	26	158	nd	20
C - 1	29	165	182	1.8	5
C - 3	30	120	104	0.4	20
C - 2	36	147	176	3.4	5
L - 3	39	194	199	4.1	15
BL 3 + 75E	40	190	204	3.3	nd
BL 6 + 34E	31	44	128	0.1	15
IS 8W	28	225	296	3.0	5
IS 8 + 17W	32	72	155	0.5	5
BL 0.5E	18	148	193	1.8	nd
1.5	46	450	361	43.7	15
2.5	38	73	94	0.6	10
BL 3.5E	23	95	161	1.0	nd

REMARKS: Ag\* = Ag background corrected.

\* samples repeated for analyses .

Signed:

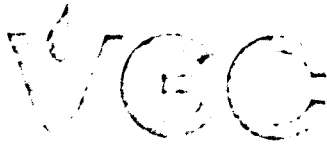
% Mo x 1.6683 = % MoS<sub>2</sub>      1 Troy oz./ton = 34.28 ppm      1 ppm = 0.0001%      nd = none detected      ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

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 NORTH VANCOUVER B.C.  
 CANADA V7P 2S3

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 AREA CODE 604

# Certificate of Geochemical Analyses

• Specialising in Trace Elements Analyses •

IN ACCOUNT WITH—  
**Erl Resources**

Report No. **80-36-001**

Page **5** of **5**

Samples Arrived:

Report Completed:

For Project:

Analyst:

Attention:

Sample Marking	Cu ppm	Pb ppm	Zn ppm	Ag* ppm	Au ppb	
BL 4.5E	24	55	104	1.0	5	
5.5	39	201	150	3.6	10	
6.5E	50	43	110	0.4	75	
1.5E W/R	36	151	234	8.6	10	
2.5	66	350	690	14.4	nd	
3.5	73	373	163	1.6	nd	
4.5	20	117	281	1.2	5	
5.5	49	146	600	5.2	10	
BL 6.5W	70	220	214	4.2	10	
IS 3 W	31	164	150	1.3	10	
3.5	26	196	155	1.6	20	
4	58	980	1210	2.3	5	
4.5	35	450	810	0.7	nd	
5	31	170	333	1.7	nd	
5.5	24	167	324	0.6	10	
6	43	99	186	1.4	5	
6.5	44	74	209	0.2	nd	
7	35	131	101	0.6	25	
IS 7.5W	36	43	91	0.1	20	
L -7E 0.5S	81	25	49	0.3	80	
1.0	134	19	76	nd	50	
1.5	231	20	93	0.4	130**	
2.0	117	20	70	nd	15	
L -7E 2.5S	109	21	78	0.1	20	
F - 10	25	101	204	3.7	nd	
						39 156 25 181 25

REMARKS: Ag\* = Ag background corrected.

\*\* sample repeated for analysis & checked O.K.

Signed:

% Mo x 1.6683 = % MoS<sub>2</sub>

1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

nd = none detected

ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

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# General Testing Laboratories

A Division of SGS Supervision Services Inc.

1001 EAST PENDER ST. VANCOUVER B.C. CANADA V6A 1W2

PHONE (604) 254-1847 TELEX 04-507514 CABLE SUPERVISE

TO  
**EEL RESOURCES LTD.**  
 1450 - 625 Howe Street  
 Vancouver, B.C.  
 V6C 2T6

## CERTIFICATE OF ASSAY

No.: **8008-2961** DATE: **Sept. 12/80**

We hereby certify that the following are the results of assays on: **Ore**

MARKED	GOLD	SILVER	XXX	XXX	XXX	XXX	XX	XXX
	oz/st	oz/st						
HOEN - 1	0.002	0.09						
2	0.002	trace						
3	0.002	trace						
4	0.002	0.50						
5	0.002	0.54						
6	0.002	0.64						
7	0.002	0.81						
8	0.010	1.42						
9	0.002	0.25						
10	0.002	0.42						
11	0.002	trace						
12A	0.002	0.12						
12B	0.002	7.92						
13	0.010	0.07						
14	0.002	5.94						
15	0.002	trace						
16	0.002	0.10						
17	0.010	19.18						
18	0.002	0.28						
19	0.002	0.92						
HOEN I-11J-11	0.002	73.03						
SALVO #1	0.002	trace						

NOTE: REJECTS RETAINED ONE MONTH PULPS RETAINED THREE MONTHS ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

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*[Signature]*  
 PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
 REFEREE AND/OR OFFICIAL CHEMISTS FOR National Institute of Oiled Products • The American Oil Chemists' Society  
 OFFICIAL WEIGHMASTERS FOR Vancouver Board Of Trade



# General Testing Laboratories

A Division of SGS Supervision Services Inc.

1001 EAST PENDER ST., VANCOUVER B.C. CANADA V6A 1W2  
PHONE (604) 254-1647 TELEX 04-507514 CABLE SUPERVISE

TO  
MILL RECONSTRUCTION LTD.  
1100 - 625 Howe Street  
Vancouver, B.C.

## CERTIFICATE OF ASSAY

No. 8009-1559      DATE: Sept. 25/80

We hereby certify that the following are the results of assays on: **Ore**

MARKED	GOLD	SILVER	XXX	XX	X	XXX	XX	X	XXX
	oz/st	oz/st							
E-52339  # 553	0.010	789.01							

*SOLO*

REJECTS RETAINED ONE MONTH PULPS RETAINED THREE MONTHS ON REQUEST PULPS AND REJECTS WILL BE STORED FOR A MAXIMUM OF ONE YEAR  
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*L. Yung*  
PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers  
MEMBER American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
REFEREE AND/OR OFFICIAL CHEMISTS FOR National Institute of Oil and Products • The American Oil Chemists' Society  
OFFICIAL WEIGHMASTERS FOR Vancouver Board of Trade

SUMMARY OF EXPENDITUREHORN CLAIM

August 12 to December 11, 1980

PERSONNEL

J.W. MacLeod 2 days	500.00	
N. Wychopen	1,915.20	
P. Hopper	1,500.00	
G.A. Noel	150.00	
G.A. Noel & Assoc.	<u>1,620.40</u>	\$5,685.60

TRAVEL

P. Lawson	981.80	
North Mountain Heli.	1,053.00	
Trans Provincial	<u>249.57</u>	2,284.37

ASSAYING

Vangeochem	1,565.65	
General Testing	203.50	
Scottie	<u>20.00</u>	1,789.15

EQUIPMENT

Sample Bags	30.00	
Thread	54.00	
Flagging	<u>27.60</u>	<u>111.60</u>

TOTAL:		<u>\$9,870.72</u>
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