

GEOCHEMICAL AND GEOLOGICAL REPORT

POLARIS 1-6 MINERAL CLAIMS

Latitude 56°28' North

Longitude 125°45' West

N.T.S. 94C/5E and 5W

OMINECA MINING DIVISION

BRITISH COLUMBIA

Owner/oper.

for

GOLDEN RULE RESOURCES LTD.

Calgary, Alberta

by

Michael Fox, B.Sc., F.G.A.C., P.Geol.

TAIGA CONSULTANTS LTD.

#100, 1300 - 8th Street S.W.

Calgary, Alberta

T2R 1B2

MARCH 1983

GEOLOGICAL  
BRANCH  
ASSESSMENT REPORT

11,251

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CERTIFICATE

I, the undersigned, of the City of Calgary in the Province of Alberta, do hereby certify that:

1. I am a Consulting Geologist with an office at #100, 1300 - 8th Street S.W., Calgary, Alberta.
2. I am a graduate of the University of British Columbia with a B.Sc. in Geology (1974).
3. I have worked in the field of mineral exploration since 1965.
4. I am a member in good standing of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

Respectfully submitted;



1983

Michael Fox, P.Geol.

SUMMARY

Approximately 1 km of new road was built at the property in October 1982, providing access from the Omineca Development Road to the vicinity of the underground workings at the Jupiter prospect. Bedrock exposures in road cuts were mapped and sampled, and a 1:1,000 scale chain and compass survey was carried out.

Approximately 2 line km of "fill-in" geochemical sampling was carried out in the vicinity of the Polaris prospect.

All samples were geochemically analyzed for Au and Ag by a combined fire assay and atomic absorption technique. Two grab samples of oxidized sulphides (float from tetrahedrite veins at the Jupiter prospect) assayed very high values in Ag.

## INTRODUCTION

### Location and Access

The Polaris 1 - 6 mineral claims are a contiguous block of claims located in the Omineca Mountains approximately 350 km northwest of Prince George, British Columbia (Figure 1). The claims are situated around the confluence of Lay Creek and Polaris Creek, some 4 km north of Aiken Lake. The approximate geographic coordinates of the centre of the claim blocks are 56°28' North latitude and 125°45' West longitude (Figure 2).

The claims lie approximately 250 km north of Fort St. James on the Omineca Development Road. Thirty kilometres south of Manson Creek, this road connects with a network of good, gravel-surfaced logging roads which eventually link with the Prince George-McKenzie Highway some 160 km to the east at a point approximately 170 km north of Prince George.

### Property and Ownership

The Polaris 1 - 6 mineral claims are all located in the Omineca Mining Division and are wholly owned by Golden Rule Resources Ltd. of Calgary, Alberta. The claims are described more specifically as follows:

<u>Claim Name</u>	<u>No. of Units</u>	<u>Record Number</u>	<u>Date of Record</u>
Polaris 1	20	2679	} April 3, 1980
Polaris 2	20	2689	
Polaris 3	15	2690	
Polaris 4	3	2691	
Polaris 5	20	2692	
Polaris 6	6	2693	

For purposes of applying assessment work, the above claims are currently registered as a single group.

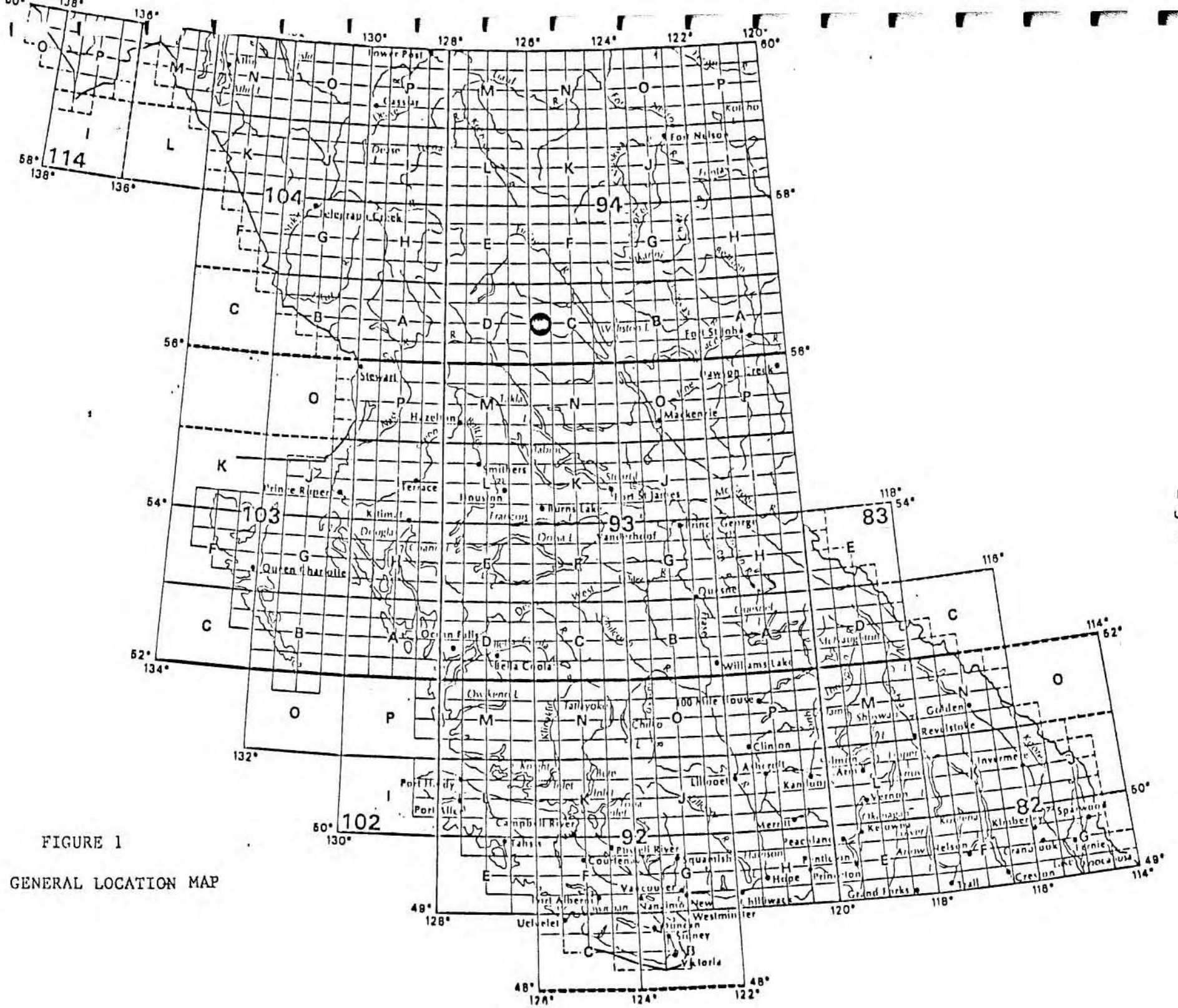


FIGURE 1  
GENERAL LOCATION MAP

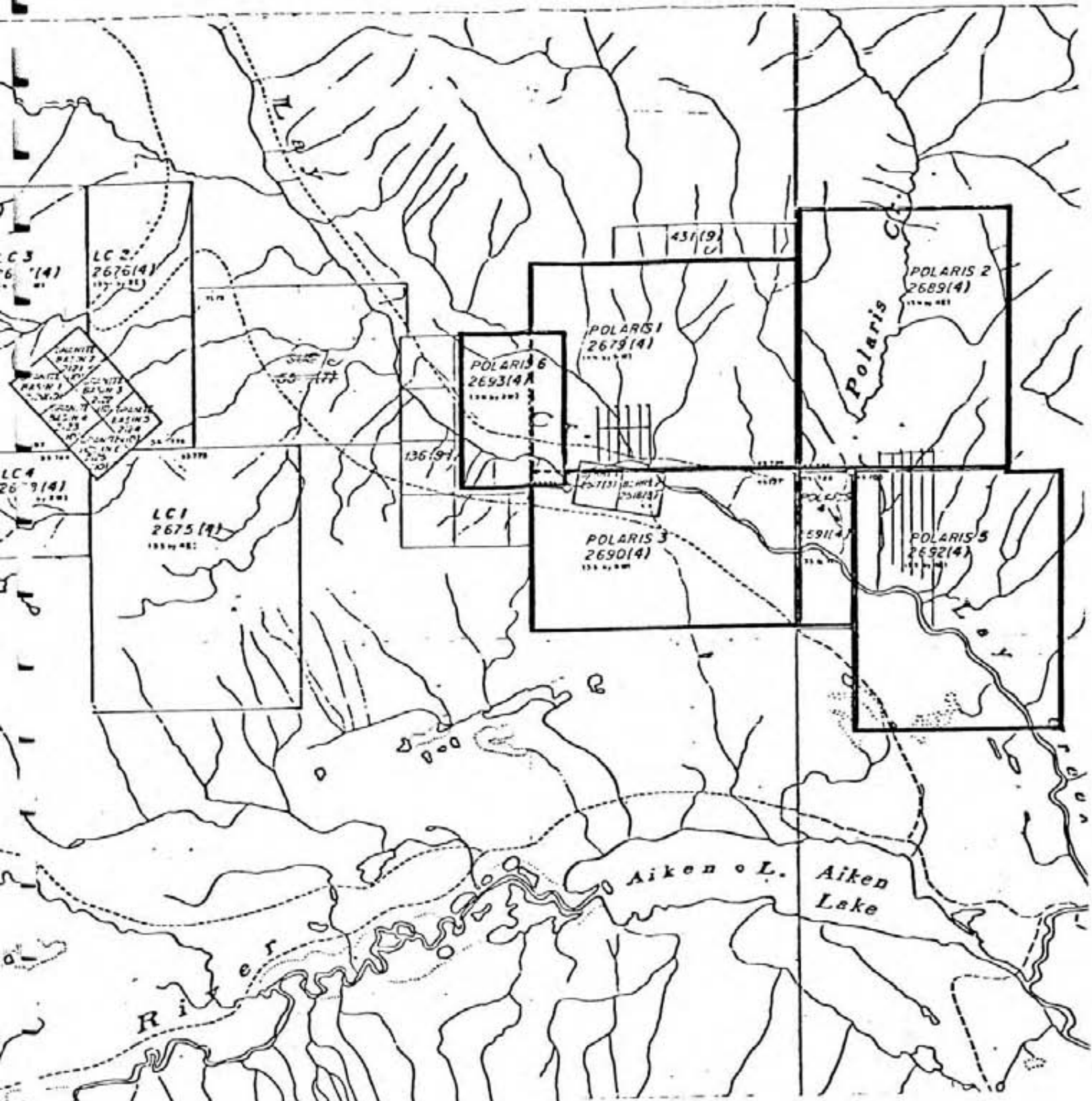


FIGURE 2  
CLAIMS LOCATION MAP  
POLARIS GROUP  
SCALE 1:50,000



### Physiography and Glaciation

The physiographic setting and glacial history of the area have been described in an earlier assessment report, also by the writer, dated March 1981.

### History of Exploration and Development

A detailed description of exploration and development at the property may be found in an earlier assessment report, also by the writer, dated March 1981.

### 1982 Work

In October 1982, a program of road building was carried out which established access from the Omineca Development Road to the area at the mouth of Berry Creek (vicinity of the Jupiter adit). Some additional geological mapping and rock geochemical sampling were carried out at that time over new bedrock exposures in road cuts. In the vicinity of the Polaris adit, approximately 2 line km of "fill-in" geochemical sampling was carried out. The results of this work are present in the maps included with this report.



GEOLOGY

Road building carried out in the vicinity of the Jupiter adit late in the 1982 field season uncovered some new bedrock exposures on the slopes of Lay Creek opposite the mouth of Berry Creek. These exposures consist mainly of strongly sheared and serpentinized greenstone interbedded with sheared black graphitic shale and rapidly alternating horizons of green, very fine-grained tuffs and black cherty and argillaceous sediments. The greenstones are transected by several buff-weathering zones of quartz-carbonate alteration. All of these exposures were semi-continuously chip sampled at 5 m intervals but without positive results (see maps in back pocket).

When examined in 1980 and again in 1982, the portals of both adits were found to be caved, preventing any resampling of the zones encountered in the underground workings. However, grab samples of massive sulphide material collected from the Jupiter adit dump returned the following values:

<u>Sample</u>	<u>Au (oz/ton)</u>	<u>Ag (oz/ton)</u>
P-120 (grab)	0.014	118.30
P-121 (grab)	0.002	162.58

Geochemical sampling over the area has identified multi-element anomalous zones which appear to be derived from the tetrahedrite-sphalerite mineralization described in an earlier assessment report by this writer. Despite their narrow widths, the tetrahedrite-sphalerite veins are of interest due to their very high grades. Future work should include re-opening the adit and systematic mapping and sampling of the several mineralized zones.

GEOCHEMISTRY

In October 1982, 65 soil samples were collected at 25 m intervals along some 2 line km of fill-in geochemical sampling in the immediate vicinity of the Polaris adit. These samples were analyzed for Au and Ag. The results of this work did not appreciably alter the geochemical anomalies outlined by 1980 work.

<u>Element</u>	<u>Contoured Values</u>
Au	20, 40, 80 ppb
Ag	0.7, 1.0, 1.4, 2.8 ppm
Sb	3, 4, 5 ppm
As	25, 40, 80 ppm
Cu	70, 100, 200 ppm
Pb	15, 30, 60 ppm
Zn	100, 200, 400 ppm
Ni	50, 100, 200 ppm

Significant geochemical anomalies are described as follows:

Jupiter Grid Area. A 100 m wide geochemically anomalous zone, open at both ends, extends across the entire southern end of the grid on the slopes overlooking Lay Creek. The zone is best defined by anomalous As- and Cu-in-soils values. Anomalous Au-, Ag-, Sb-, Pb-, Zn-, and Ni-in-soils values are more restricted and occur primarily within two smaller zones contained in the As/Cu anomaly. The location and trend of this multi-element anomaly correlate well with the surface projection of the northeasterly striking tetrahedrite veins cut in the Jupiter underground workings. Anomalous Cu- and Ag-in-soils zones defined by 1976 sampling extend the geochemically indicated strike length an additional 500 m to the east.

Only anomalous Cu-in-soils appear to indicate the presence of the main northerly trending graphitic shear zone which was followed by the main Jupiter workings.

Polaris Grid Area. A broad, composite Cu/Pb/Zn/Ag anomaly has been defined by soil sampling along the southern part of the Polaris grid area and shows a good correlation with the previously described massive sulphide zones. Due to the location of the anomalous zone at the extreme end of the grid lines, additional geochemical coverage would be required to resolve certain ambiguities in the present interpretation of the geochemical data.

Anomalous Cu- and Ag-in-soils trends exhibit a good correlation in four several-hundred-metre long, narrow, northwesterly trending zones elsewhere on the grid. Above-threshold Zn-in-soils values correlate with two of these zones, suggesting they may be due to sulphide lenses similar to those exposed in Polaris Creek.

Two small zones of above-threshold Ni-in-soils values have been defined along the axis of the strong E.M. conductor that trends northwesterly along the southern edge of the grid area. These values are attributed to low concentrations of Ni in pyrrhotite in the massive sulphide lenses.

Semi-continuous rock chip sampling was carried out at 5 m intervals over bedrock exposures in new road cuts on the opposite side of Lay Creek from the Jupiter adit. A total of 37 rock samples were collected and analyzed geochemically for Au and Ag, but without any anomalous result.

All soil and rock chip samples collected in 1982 were geochemically analyzed for Au and Ag by a combined fire assay and atomic absorption technique by TerraMin Research Labs Ltd. of Calgary, Alberta.

## CONCLUSIONS AND RECOMMENDATIONS

### Jupiter Grid Area

Geochemical sampling and ground VLF-EM surveying have delineated anomalous zones that correlate with the high-grade tetrahedrite veins described in G.S.C. Memoir 274. Although the veins are narrow, averaging less than 0.3 m in width, the high grades (76.3 to 153 oz/ton Ag) reported from earlier underground sampling and the high values confirmed by 1982 sampling (118.3 and 162.58 oz/ton Ag) indicate that the veins may be economically viable. Geochemical sampling and geophysical surveying carried out in 1980 have defined a composite anomalous zone 500 m in length, still open along strike, indicating a potential for establishing substantial tonnages within the vein systems. Geochemical sampling carried out in 1976 by an unrelated exploration company (see B.C. Assessment Report 6037) defined a zone containing anomalous Cu- and Ag-in-soils values that extends approximately 500 m further to the east of the limits of the present grid area, suggesting an overall minimum strike length of at least 1,000 m for the tetrahedrite-bearing vein systems.

The vein systems are sufficiently defined at present by surface and underground work to constitute drill targets. A program of additional exploration and diamond drilling is recommended as follows:

#### Phase I

1. Extend geochemical coverage to the east and west of the present grid area to close the anomalous zone on the west and to recheck previous work on the east (samples collected in 1976 were not analyzed for Au, Pb, Sb, or Ni; 1980 work has established that these elements are all associated with the tetrahedrite vein systems).
2. Extend ground magnetic and VLF-EM geophysical coverage to the east and west of the present grid area.

3. Rehabilitate the underground workings and carry out systematic underground mapping and sampling of the tetrahedrite veins and the gold-bearing graphitic shear zone.
4. Complete road access to the area of the Jupiter adit and prepare drill sites at selected areas along the strike of the tetrahedrite veins.

#### Phase II

1. Contingent upon verifying previously reported grades and widths by new underground mapping and sampling, a diamond drilling program should be carried out to test the tenor and width of the mineralized zones along strike. A 600 m drill program consisting of ten 60 m deep holes should be adequate as a first-stage of drill testing.

#### Polaris Grid Area

Gold-bearing veins near Polaris adit: The results of 1980 exploration on the narrow, auriferous veinlets exposed along Polaris Creek near the Polaris adit are inconclusive. The potential relationship of this mineralization to the massive sulphide zones has not been adequately investigated and the suitability of "B" horizon soil as a geochemical medium for detecting gold is open to some question due to the widespread mantle of glacial deposits in the area.

Massive sulphide lenses: The massive sulphide lenses exposed along Polaris Creek south of the adit warrant further exploration. Work carried out in 1980 indicates a strike length of more than 1,200 m, extending from station 12N on Line 38E to station 2N on Line 43E. Geophysical and geochemical data collected by an unrelated company in 1976 and 1978 (see B.C. Assessment Files 6037 and 6607) indicate that the zone extends another 2,000 m to the northwest of the Polaris grid area. The earlier work indicates that the extension of this zone is also characterized by anomalous

conductive and magnetic trends and anomalous Cu-, Mo-, Zn-, and Ag-in-soils trends. The occurrence of the massive sulphide lenses at the contact of the sedimentary rocks and a volcanic sequence containing abundant fragmental horizons suggests that the sulphide zones may be bedded auriferous pyrite zones. The large (3,000 m+) strike length of the zone, the strong conductivity and magnetic effects, and the associated anomalous Cu-, Zn-, Ag-, and Pb-in-soils zones provide considerable encouragement for further work, recommended as follows:

1. Extend geochemical and geophysical coverage to close off the anomalous zones along strike.
2. Alter the grid orientation for the above work so that the grid lines run northeast-southwest to provide a more favourable angle of intersection with the massive sulphide zones and trends of geophysical anomalies.
3. Provide road access to the grid area along the north side of Lay Creek.
4. Excavate a series of trenches along the zone to further assess its economic potential, particularly in areas of more intense geochemical response.

STATEMENT OF COSTS

PROFESSIONAL SERVICES

M. Fox, P.Geol.

Inv. 82-111	11½ days @ \$250	2,812.50	
	½ day @ \$215	107.50	
Inv. 82-134	5½ days @ \$215	1,182.50	
Inv. 82-154	1½ days @ \$215	322.50	4,425.00

SUPPORT PERSONNEL

D. Thompson

Inv. 82-111	10½ days @ \$145		1,522.50
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CAMP AND ACCOMMODATION

(incl. cat skinner)

Food	25½ man days @ \$18	459.00	
Equipment	19½ man days @ \$12	234.00	693.00

EQUIPMENT RENTALS

Radio in use	4½ days @ \$8	36.00	
standby	4 days @ \$4	16.00	
Crone VLF-EM	15 days @ \$100/month	50.00	
4x4 GMC "Jimmy"	9½ days @ \$65	617.50	719.50

HELICOPTER

Bell 206B	0.9 hours @ \$450	405.00	
	fuel	75.00	480.00

ROAD BUILDING

TD-20 bulldozer	43½ hours @ \$5.75	3,730.13	
Lowbed	56½ hours @ \$68.00	3,842.00	
Operator's wages (one way)		231.62	7,803.75

DISPOSABLE SUPPLIES

Inv. 82-111		60.69	
Inv. 82-111 (from Taiga stock)		44.10	104.79

TRAVEL EXPENSES

Inv. 82-111			943.42
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DRAFTING

Inv. 82-134		168.00	
Inv. 82-154		24.00	192.00

REPRODUCTIONS

Inv. 82-134		17.28	
Inv. 82-154		1.54	18.82

FREIGHT & COURIER

Inv. 82-111 20.15

TELEPHONE

Inv. 82-111 225.56  
Inv. 82-134 88.35 313.91

MISCELLANEOUS

Inv. 82-111 37.54

HANDLING CHARGES

Inv. 82-111 154.48  
Inv. 82-134 10.84 165.32

GEOCHEMICAL ANALYSES

65 soil samples prepared and analyzed for  
Au and Ag @ \$7.70/sample 500.50  
37 rock samples prepared and analyzed for  
Au and Ag @ \$9.65/sample 357.05 857.55

POST-FIELD

Report preparation, research, data plotting,  
photocopying, reproductions, etc. 1,292.00

GRAND TOTAL \$ 19,589.25



REFERENCES

B.C. Ministry of Mines Annual Reports  
1932 p.86.  
1933 p.100.

B.C. Ministry of Mines  
Bulletin No. 1 (1940) Aiken Lake Area, North-Central British Columbia,  
by Douglas Lay.

Fox, M. (March 1981): Geological, Geochemical, and Geophysical Report,  
Polaris 1-6 Mineral Claims, Omineca Mining Division, British Columbia;  
for Golden Rule Resources Ltd.

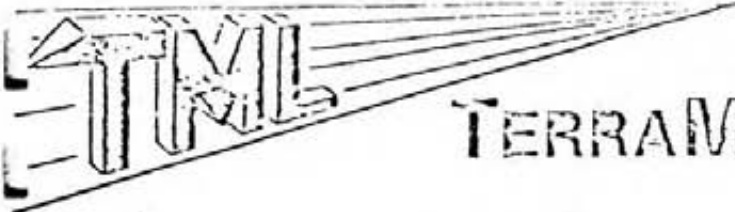
G.S.C. 1948 Preliminary Map 48-5A.  
1952 Memoir 274 - Geology and Mineral Deposits of Aiken Lake Map-  
Area, by E. F. Roots (includes Map 1030A).

Potter, Robert (September 1976): Report on the Jupiter Property (Sara  
Claims); for Susie Gold Mines Ltd. (B.C. Ministry of Mines Assess-  
ment Report No. 6037).

Stelling, Douglas (February 1978): A Geophysical and Prospecting Report  
on the Jupiter Property (Sara East and Roxanne Mineral Claims),  
Omineca Mining Division. (B.C. Ministry of Mines Assessment Report  
No. 6607).

A P P E N D I X I

Analytical Methods



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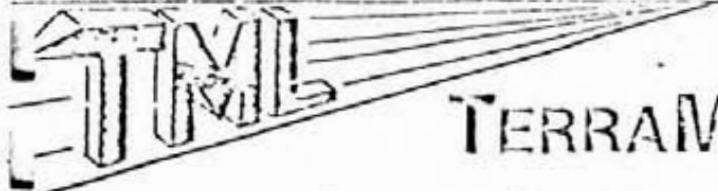
GOLDEN RULE RESOURCES

## SAMPLE PREPARATION

Soil and sediment samples are dried and sieved to -80 mesh (approx. 200 micron).

### Rock Samples:

The entire sample is crushed to approx. 1/8" maximum, and split divided to obtain a representative portion which is pulverized to -200 mesh (approx 90 micron).



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## GOLDEN RULE RESOURCES

### ANALYTICAL METHOD FOR GOLD AND SILVER

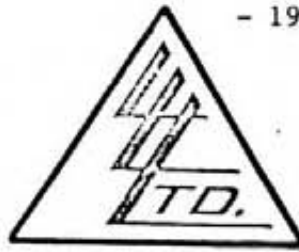
Approximately 1 assay ton of prepared sample is fused with a litharge/flux charge to obtain a lead button. The lead button is cupelled to obtain a prill. The prill is dissolved in nitric/hydrochloric acids (aqua regia), and the resulting solution is analysed by atomic absorption spectroscopy.

A P P E N D I X   I I

Assays and Geochemical Analyses

To: GOLDEN RULE RESOURCES,  
150, 1300 - 8th Street S.W.,  
Calgary, Alta. T2R 1B2

File No. 24246  
Date December 15, 1982  
Samples Rock Chip



ATTN: Mike Fox

Certificate of  
ASSAY of  
LORING LABORATORIES LTD.

SAMPLE No.	OZ/TON Gold	OZ/TON Silver
"Rock Chip"		
GR-BC-7		
P-120	.014	118.30
P-121	.002	162.58
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .</p>		

Samples Retained one month.  
Pulps Retained one month  
unless specific arrangements  
made in advance.

*[Signature]*  
Assayer



# TERRAMIN RESEARCH LABS LTD.

## ANALYTICAL REPORT

Job # 82-233

Golden Rule Resources  
Mike Fox

Date Nov.25, 1982

Client Project GR-BC-7

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Sample No. <u>Soil</u>	Au ppb	Ag ppb	Note: Minus sign indicates less than figure given.
P L 37+50 E 17+75 N	2	310	
Polaris 18+00	-2	380	
18+25	-2	790	
18+50	-2	470	
18+75	-8	1040	
19+00	6	370	
19+25	4	280	
19+50	20	300	
19+75	10	350	
20+00	4	640	
P L 38+00 E 17+75 N	4	650	
18+00	6	610	
18+25	2	480	
18+50	-2	300	
18+75	10	260	
19+00	2	560	
P L 38+50 E 17+00 N	-2	280	
17+25	4	160	
17+50	8	150	
17+75	-2	390	
18+00	6	1320	
18+25	4	270	
18+50	-2	800	
18+75	-2	370	
19+00	2	1110	

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7  
(403) 276-8668 Telex 03-821172 CGY

(403) 276-8668 Telex 03-021172 CGY



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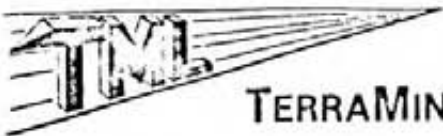
Date

Client Project GR-BC-7

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Sample No. Soil	Au ppb	Ag ppb
P L 39+50 E 15+00 N	4	150
15+25	-2	160
15+50	4	260
15+75	4	430
16+00	16	1960
16+25	4	410
16+50	8	640
16+75	8	390
17+00	-2	710
17+25	4	320
17+50	2	160
17+75	6	220
18+00	12	1320
P L40+50 E 14+00 N	16	270
14+25	22	250
14+50	40	110
14+75	8	430
15+00	6	440
15+25	8	540
15+50	8	240
15+75	2	650
16+00	30	210
16+25	2	280
16+50	-2	480
16+75	4	730





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ANALYTICAL REPORT

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Soil	Sample No.	Au ppb	Ag ppb
P L 40+50 E	17+00 N	2	290
	17+25	-2	480
	17+75	2	1700
	18+00	-2	1330
P L 41+50 E	13+00 N	16	100
	13+25	8	750
	13+50	10	210
	13+75	8	320
	14+00	8	1910
	14+25	10	260
	14+50	2	410
	14+75	4	260
	15+00	4	140
	15+25	16	260
	15+50	12	320
TH L 00+00 Thane	1+50 E	8	420
	1+25	2	390
	1+00	-2	190
	0+75	2	200
	0+50	2	310
	0+25	4	760
	0+00	34	1880
	0+25 W	2	120
	0+50	40	290
	0+75	10	290



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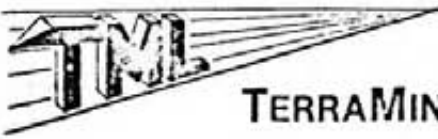
Job # 82-233

Date

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Sample No. Soil	Au ppb	Ag ppb
TH L 00+00 1+00 W	2	160
1+25	4	290
1+50	8	200
1+75	4	240
2+00	4	240
2+25	6	70
2+50	14	90
2+75	8	120
TH L 1+00 S 1+50 E	6	1060
1+25	4	250
1+00	6	110
0+75	4	100
0+50	8	1110
0+25	4	520
0+00	4	110
0+25 W	112	1840
0+50	6	160
0+75	4	90
1+00	6	70
1+25	10	80
1+50	4	80
1+75	2	200
2+00	6	210
2+25	4	130
2+50	6	220



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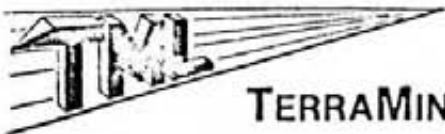
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Soil	Sample No.	Au ppb	Ag ppb	
TH L 2+00 S	1+75 E	4	210	
	1+50	-2	270	
	1+25	4	440	
	1+00	6	770	
	0+75	4	210	
	0+50	2	150	
	0+25	6	130	
	0+00	8	130	
	0+25 W	8	130	
	0+50	10	160	
	0+75	4	260	
	1+00	6	740	
	TH L 3+00 S	2+25 E	8	390
		2+00	12	550
1+75		8	1610	
1+50		8	1920	
1+25		4	110	
1+00		6	470	
0+75		16	160	
0+50		8	160	
0+25		2	70	
0+00		6	110	
0+25 W		4	140	
0+50	6	140		
0+75	14	280		
1+00	8	350		



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## ANALYTICAL REPORT

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Sample No.	Au ppb	Ag ppb
<u>Silt</u>		
TH-ST-1	8	160
2	2	90
3	2	90
4	6	80
5	4	100
6	8	170
7	2	680
8	8	150
9	8	90
10	-8	160
11	2	90
12	4	280
13	8	160
14	4	80
15	-2	120
16	2	70
17	4	50
18	-4	100
19	8	150
20	4	80
21	4	60
22	4	100
23	2	70
24	10	90
25	14	140



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Sample No. Silt	Au ppb	Ag ppb
TH-ST-26	8	100
27	6	130
28	10	150
29	8	80
30	28	200
31	8	110
32	8	130
33	4	260
34	6	90
35	4	100
36	2	160
37	2	150

Note: The silts were sieved to -20 mesh and pulverized to obtain sufficient sample.



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## ANALYTICAL REPORT

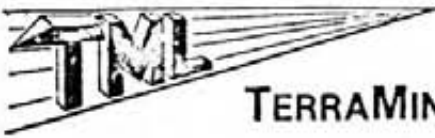
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Sample No. <u>Rock</u>	Au ppb	Ag ppb
P-101	-2	320
102	4	320
103	4	140
104	18	580
105	-2	40
106	14	1210
107	10	880
108	6	490
KC-DT-11-LOC	312	810
22	3480	34000
23	1440	1500
24	46	650
25	66	590
26	78	820
27	56	380
KC-MF-11	4	100
LFC	6680	4400
RD-ST-5 LOC 5460-5540	16	290
T1-LCF 30-33 metres	8	60
33-36	6	90
36-39	26	200
39-42	28	340
42-45	20	180
4727	10	130
4728	6	120



# TERRAMIN RESEARCH LABS LTD.

## ANALYTICAL REPORT

Job # 82-233

Date

Client Project GR-BC-7

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Rock	Sample No.	Au ppb	Ag ppb
	4730	6	100
	4776	8	30
	4777	6	140
	4778	8	100
	4779	4	130
	4780	-2	110
	4781	2	150
	4782	4	280
	4783	6	180
	4784	6	240
	4785	4	220
	4786	2	190
	4787	4	1160
	4788	6	1110
	4789	12	1370
	4790	6	380
	4791	2	500
	4792	2	270
	4793	2	330
	4794	2	710
	4795	8	350
	4796	4	170
	4797	4	240
	4798	4	240
	4799	10	260



# TERRAMIN RESEARCH LABS LTD.

## ANALYTICAL REPORT

Job # 82-233

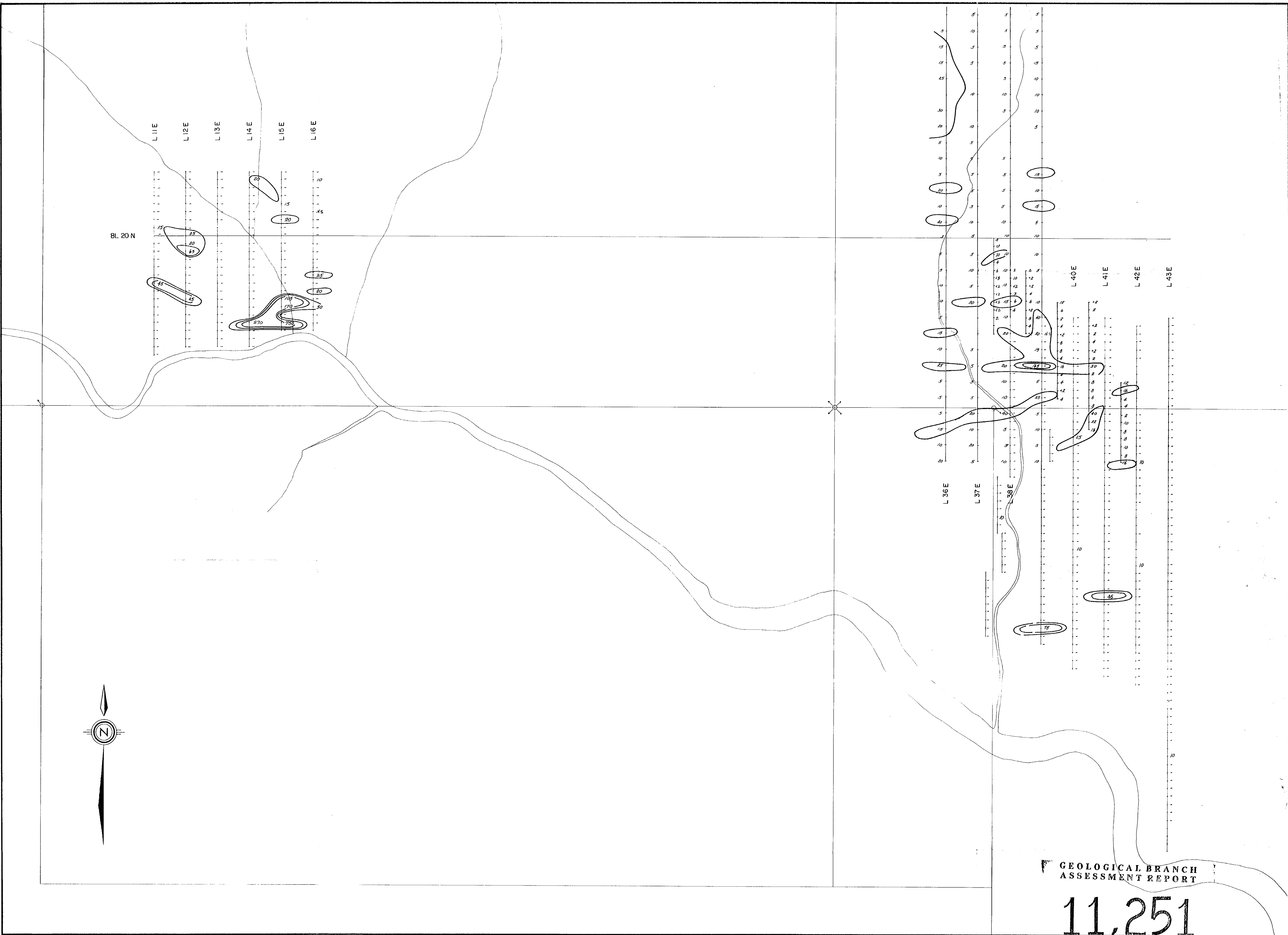
Date

Client Project GR-BC-7

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Rock	Sample No.	Au ppb	Ag ppb
	4800	6	240
	4801	8	230
	4802	26	610
	4803	2	170
	4804	16	750
	TH-11	16	140
	TH-12	12	240





GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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Values in ppb  
Contour values 20,40,80ppb

NOTE: - Map revised January 1983  
- Additional sampling carried out in 1982 on  
L 37+50E  
L 38+00E, 17+50E - 19+00E  
L 38+50E  
L 39+50E  
L 40+50E  
L 41+50E  
- All 1982 samples determined by ITR  
- 1982 ITR by ITR

GOLDEN RULE RESOURCES LTD.	
CHAPPELLE PROJECT	
MAP 2 - Au in Soils	POLARIS CLAIMS
NTS 94 C/5	PROJECT
Scale 1:5000	1:5000

February 1981



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

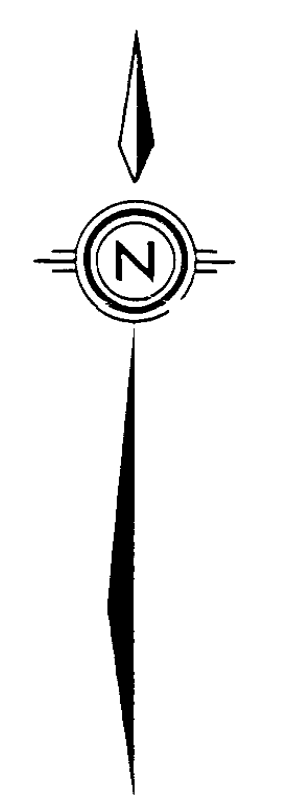
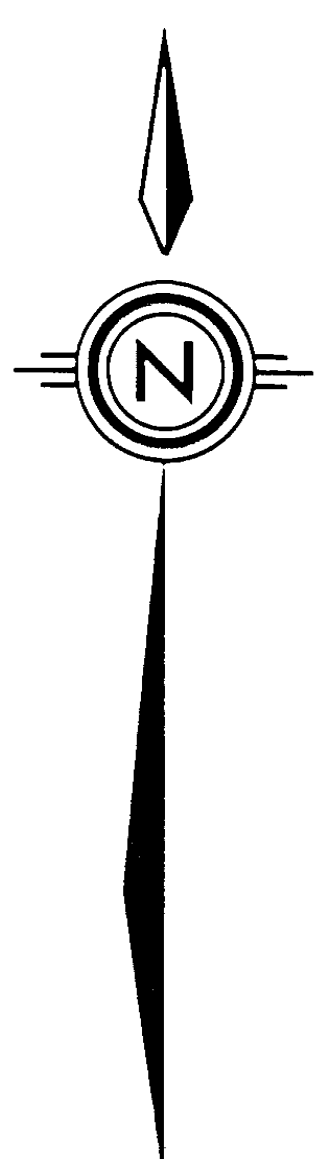
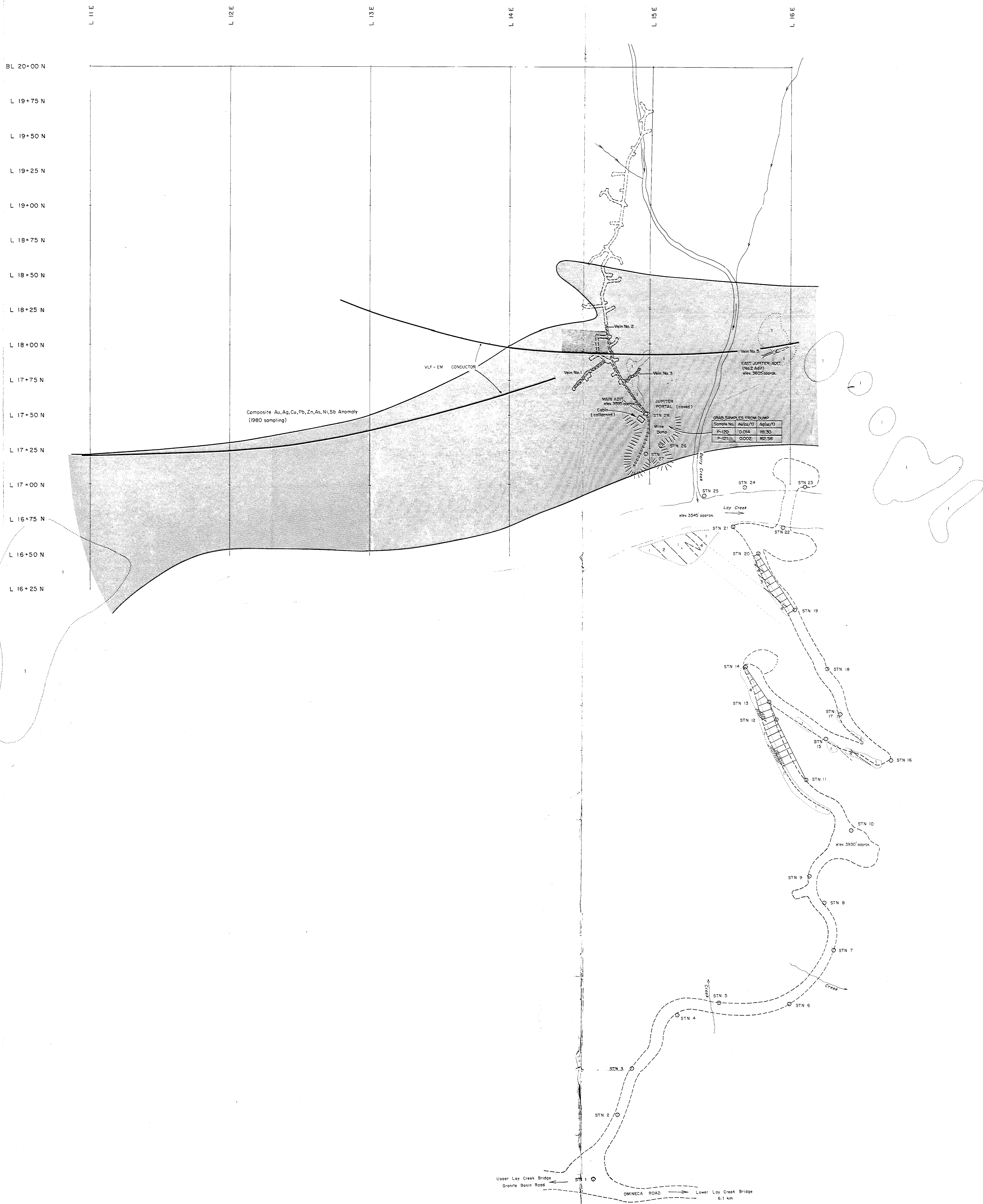
NOTE: - Map revised January 1983  
 - Additional sampling carried out in 1982 on  
 L 37+50E  
 L 38+00E, 17+50N - 19+00N  
 L 38+50E  
 L 39+50E  
 L 40+50E  
 L 41+50E  
 - Ag in 1982 samples determined by Fire Assay/Atomic Absorption

Values in ppm  
 Contour values 0.7, 1.0, 1.4, 2.8 ppm

11,251

GOLDEN RULE RESOURCES LTD.	
CHAPPELLE PROJECT	
MAP 3 - Ag in Soils	POLARIS CLAIMS
NTS 94 C/5	PROJECT
SCALE 1:5000	
FIVE CONTINENTS LTD.	

February, 1981



- LEGEND
- 4 quartz-carbonate alteration
  - 3 graphitic shale, actinolite, chert, minor tuffaceous horizons
  - 2 dark green fine-grained tuffs or epiclastic rocks, interbedded black cherty and argillaceous lenses
  - 1 greenstone: massive, much fractured; serpentinized along fracture planes and shear planes

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

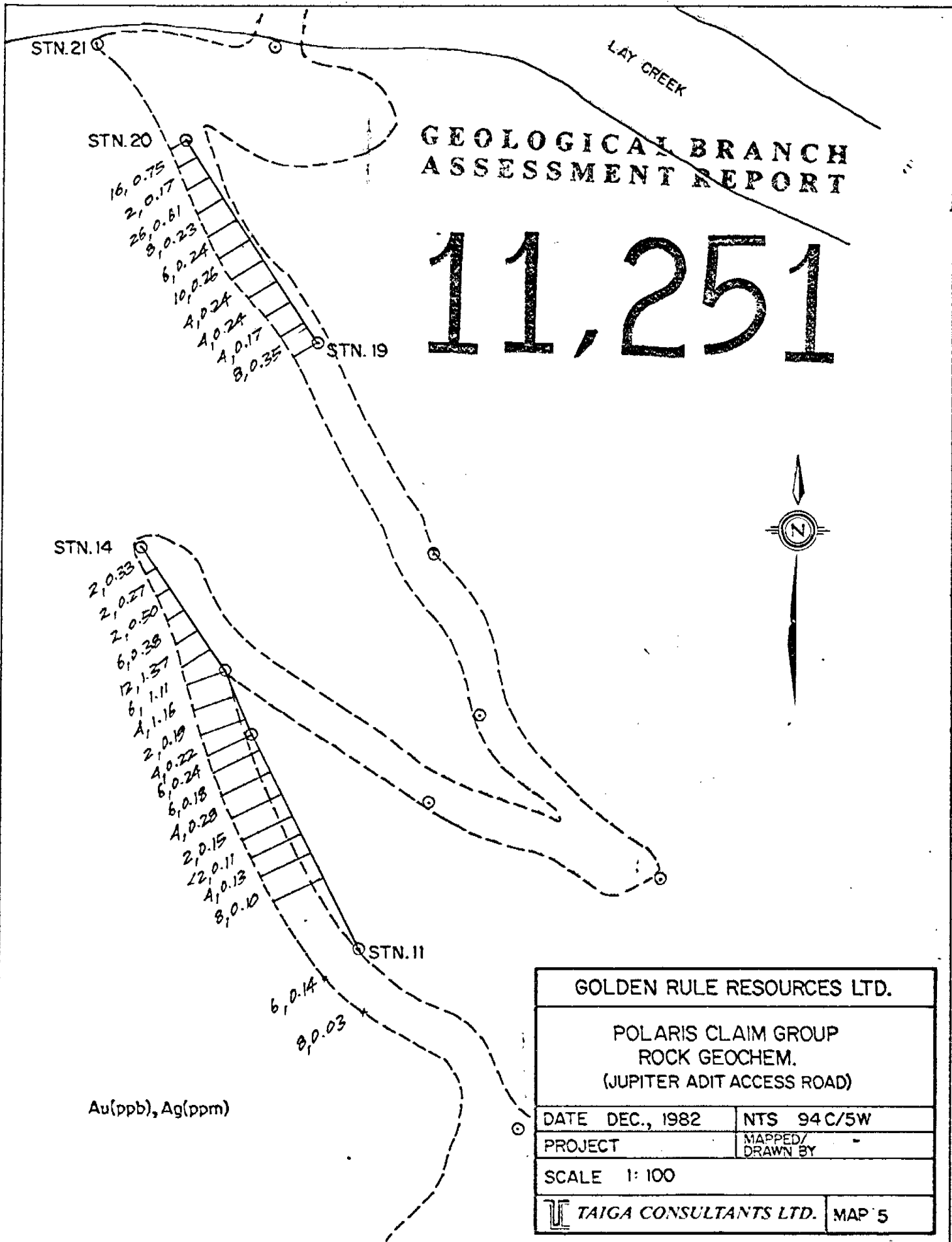
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GOLDEN RULE RESOURCES LTD.

POLARIS CLAIMS  
GEOLOGY, ROAD SURVEY  
(JUPITER ADIT AREA)

DATE NOVEMBER, 1982 NTS 94-C-5W  
PROJECT MAPPED BY M. FOX  
SCALE 1:1000 DRAWN BY M. FOX

TAIGA CONSULTANTS LTD MAP 4



GOLDEN RULE RESOURCES LTD.	
POLARIS CLAIM GROUP ROCK GEOCHEM. (JUPITER ADIT ACCESS ROAD)	
DATE DEC., 1982	NTS 94 C/5W
PROJECT	MAPPED/ DRAWN BY
SCALE 1:100	
TAIGA CONSULTANTS LTD.	MAP 5