

GEOCHEMICAL AND GEOLOGICAL REPORT

THANE 1 and 2 MINERAL CLAIMS

Latitude 56°09' North

Longitude 125°23' West

N.T.S. 94/C-3W

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

11,252

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MAPS

1	Property Geology	1:10,000
2	Au- and Ag-in-Stream-Sediments	1:10,000
3	Au-in-Soils	1: 2,500
4	Ag-in-Soils	1: 2,500

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

One day was spent at the property in October 1982 by a two-man crew flown in by helicopter. A total of 61 soil samples, 37 stream sediment samples, and 2 rock samples were collected and geochemically analyzed for Au and Ag by a combined fire assay and atomic absorption analytical technique. Some reconnaissance geological mapping was also carried out.

INTRODUCTION

Location and Access

The Thane 1 and 2 mineral claims form a contiguous group of claims located in N.T.S. map-area 94/C-3W, approximately 300 km northwest of Prince George, British Columbia (Figure 1). The claims lie astride a southerly flowing tributary of Thane Creek. The approximate geographic coordinates of the centre of the claim group are 125°23' West longitude and 56°09' North latitude (Figure 2). Access to the claims is normally by helicopter or by foot or horseback along a trail which leaves the Omineca Development Road at Uslika Lake.

Property and Ownership

The Thane 1 and 2 mineral claims are located in the Omineca Mining Division and are entirely owned by Golden Rule Resources Ltd. of Calgary, Alberta. The claims are described more specifically as follows:

<u>Claim Name</u>	<u>Number of Units</u>	<u>Record Number</u>	<u>Date of Record</u>
Thane 1	16 units (reduced from 20)	2686	April 3, 1980
Thane 2	4 units (reduced from 20)	2687	April 3, 1980

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

Physiography and Glaciation

The physiographic setting and glacial history of the property are discussed in an earlier assessment report, also by the writer, dated March 1981.

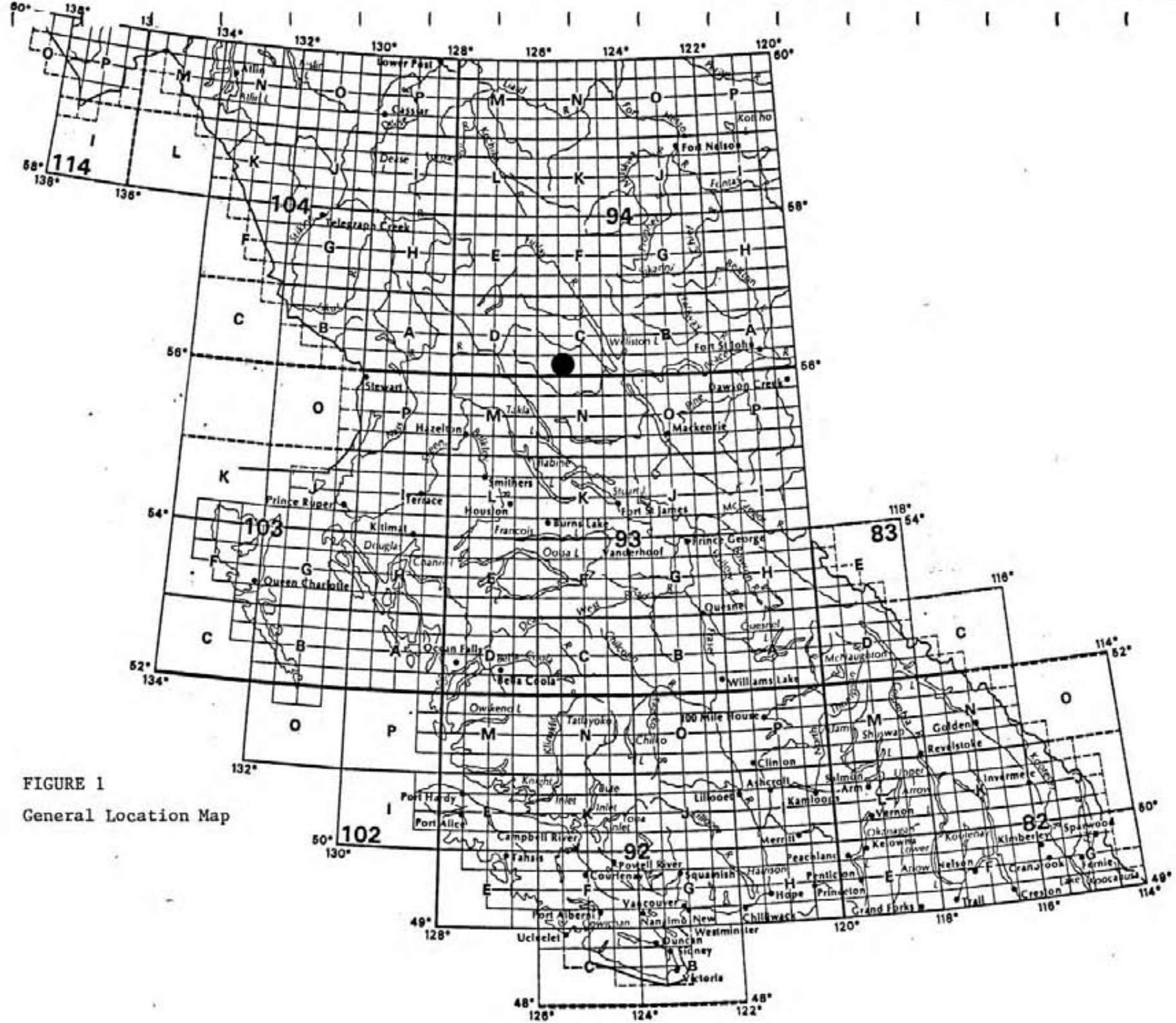
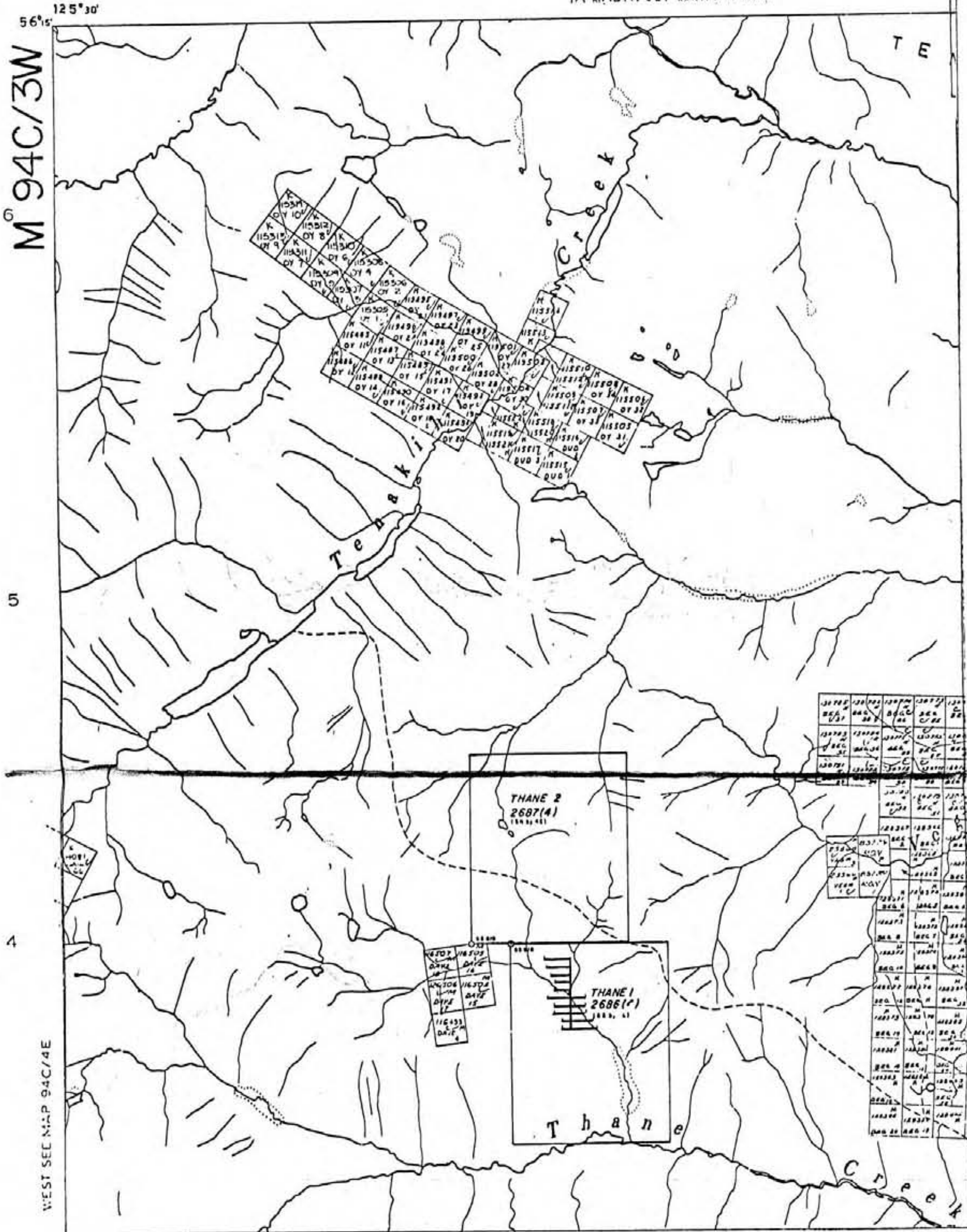


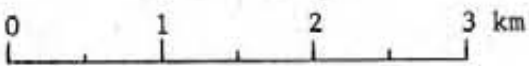
FIGURE 1
General Location Map



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FIGURE 2
Claims Location Map
THANE Claim Group
SCALE 1:50,000



1982 WORK

Work carried out at the claims in 1982 consisted of one day of helicopter-supported soil sampling and reconnaissance stream sediment sampling. A total of 61 soil samples, 37 stream sediment samples, and two rock samples were collected and geochemically analyzed for Au and Ag by a combined fire assay and atomic absorption technique. The results of this work are plotted on the maps accompanying this report.

GEOLOGY

The geologic setting of the property has been described in fair detail in an earlier assessment report, also by the writer, dated March 1981.

In 1982, a minor amount of additional reconnaissance geological mapping was carried out by the writer during a stream sediment sampling traverse. One outcrop of a quartz-carbonate alteration zone, approximately 1 km downstream from the Pluto showing, was examined. A new exposure of a quartz-carbonate alteration zone, located approximately 1 km upstream from the showing, was also examined and sampled. This second exposure is along the projected strike trend of the alteration zone mapped in 1980, suggesting a minimum 3 km strike length for the zone.

GEOCHEMISTRY

A total of 61 soil samples, 37 stream sediment samples, and two rock samples were collected and geochemically analyzed for Au and Ag by TerraMin Research Labs Ltd. of Calgary, Alberta, utilizing a combined fire assay and atomic absorption analytical technique (see Appendix I for further analytical details).

The analyses define an anomalous trend of Ag-in-soils, paralleling a weak northwesterly-trending conductive zone outlined by ground VLF-EM surveying done in 1980. High background Au-in-soils values show a poorly defined sympathetic trend as well as a parallel anomalous zone, offset about 50 m to the west.

CONCLUSIONS AND RECOMMENDATIONS

1. The Thane prospect has not been evaluated.
2. Potentially economic gold values have been reported in assays of rock samples collected from massive arsenopyrite lenses which occur at the Pluto prospect.
3. The massive arsenopyrite lenses at the Pluto prospect occur in highly sheared volcanics adjacent to a strongly faulted zone which trends northerly along a tributary of Thane Creek, from the Thane prospect to the Pluto prospect.
4. One rock sample collected from a quartz-carbonate alteration zone, which lies along the fault structure at a point about halfway between the two prospects, yielded a highly anomalous Au value, suggesting a continuity of mineralization along the major fault structure.
5. Ground magnetic surveying carried out in the vicinity of the Pluto prospect indicates that geologic structures and the distribution of lithologies are locally complex.
6. Ground VLF-EM surveying carried out in the vicinity of the Pluto prospect did not indicate any anomalously conductive effects related to the massive arsenopyrite lenses.
7. Geochemical analyses have not delineated any projected extensions of the massive arsenopyrite lenses to the north of the area of the exposures.
8. Additional geochemical sampling carried out in 1982 indicates a close relationship between previously defined VLF-EM conductors and a well-defined Ag-in-soils anomalous trend.
9. The potentially economic grades and widths of the Pluto prospect, and its relationship to a major fault zone which may be mineralized over much of its length, provide sufficient encouragement for further exploration, recommended as follows:

Grid-controlled soil sampling, ground magnetic and VLF-EM surveying, and geologic mapping should be carried out over an area extending from the Thane prospect to the Pluto prospect, and at least as far to the northwest as the exposure of a quartz-carbonate alteration zone found in 1982. Since the overburden composition and depths have an apparent attenuating effect on geochemical response, field preconcentration of samples should be considered as a technique to amplify and more clearly define geochemical trends.

Following the completion and evaluation of this work, trenching or ground sluicing should be carried out over exploration targets outlined by the above-recommended work. Priority should be given to establishing the extent and continuity of mineralization along strike at the Pluto prospect.

STATEMENT OF COSTS

PROFESSIONAL SERVICES

M. Fox, P.Geol.			
Inv. 82-111	4½ days @ \$250	1,062.50	
Inv. 82-134	1 day @ \$215	215.00	
Inv. 82-154	½ day @ \$215	<u>107.50</u>	1,385.00

SUPPORT PERSONNEL

D. Thompson			
Inv. 82-111	2½ days @ \$145		362.50

CAMP AND ACCOMMODATION

Food	3 man days @ \$18	54.00	
Equipment	3 man days @ \$12	<u>36.00</u>	90.00

EQUIPMENT RENTALS

Radio	2 days @ \$ 8	16.00	
4x4 GMC "Jimmy"	4 days @ \$65	<u>260.00</u>	276.00

HELICOPTER

Bell 206B	1.6 hours @ \$450	720.00	
	fuel	<u>79.20</u>	799.20

TRAVEL EXPENSES

Inv. 82-111			438.94
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DISPOSABLE SUPPLIES

Inv. 82-111		60.69	
Inv. 82-111 (from Taiga stock)		<u>44.10</u>	104.79

COURIER & FREIGHT

Inv. 82-111		138.50	
Inv. 82-134		<u>57.25</u>	195.75

MISCELLANEOUS

Reproductions, photocopying, maps, etc.			2.00
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HANDLING CHARGES

Inv. 82-111		76.58	
Inv. 82-134		<u>7.11</u>	83.69

GEOCHEMICAL ANALYSES

61 soil samples prepared and analyzed for Au and Ag @ \$7.70		469.70	
37 silt samples prepared and analyzed for Au and Ag @ \$8.65		320.05	
2 rock samples prepared and analyzed for Au and Ag @ \$9.65		<u>19.30</u>	809.05

POST-FIELD

Report preparation, data plotting, drafting,
telephone, photocopying, reproductions, etc.

850.00

GRAND TOTAL \$ 5,396.92

REFERENCES

Fox, Michael (March 1981): Geological, Geophysical, and Geochemical Report, Thane 1 and 2 Mineral Claims, Omineca Mining Division, British Columbia; FOR Golden Rule Resources Ltd.


Geological Survey of Canada:
Preliminary Map 48-5A (1948).

Lay, Douglas (1940): Aiken Lake Area, North-Central British Columbia; B.C.Min.of Mines Bull.No. 1.

Roots, E.F. (1952): Geology and Mineral Deposits of Aiken Lake Map-Area; G.S.C. Mem. 274 (including Map 1030A).

A P P E N D I X I

Analytical Techniques



TERRAMIN RESEARCH LABS LTD.

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

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).

TERRAMIN RESEARCH LABS LTD.

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

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

Geochemical Analyses



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ANALYTICAL REPORT

Job # 82-233

Date

Client Project GR-BC-7

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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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ANALYTICAL REPORT

Job # 82-233

Date

Client Project GR-BC-7

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Soil	Sample No.	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
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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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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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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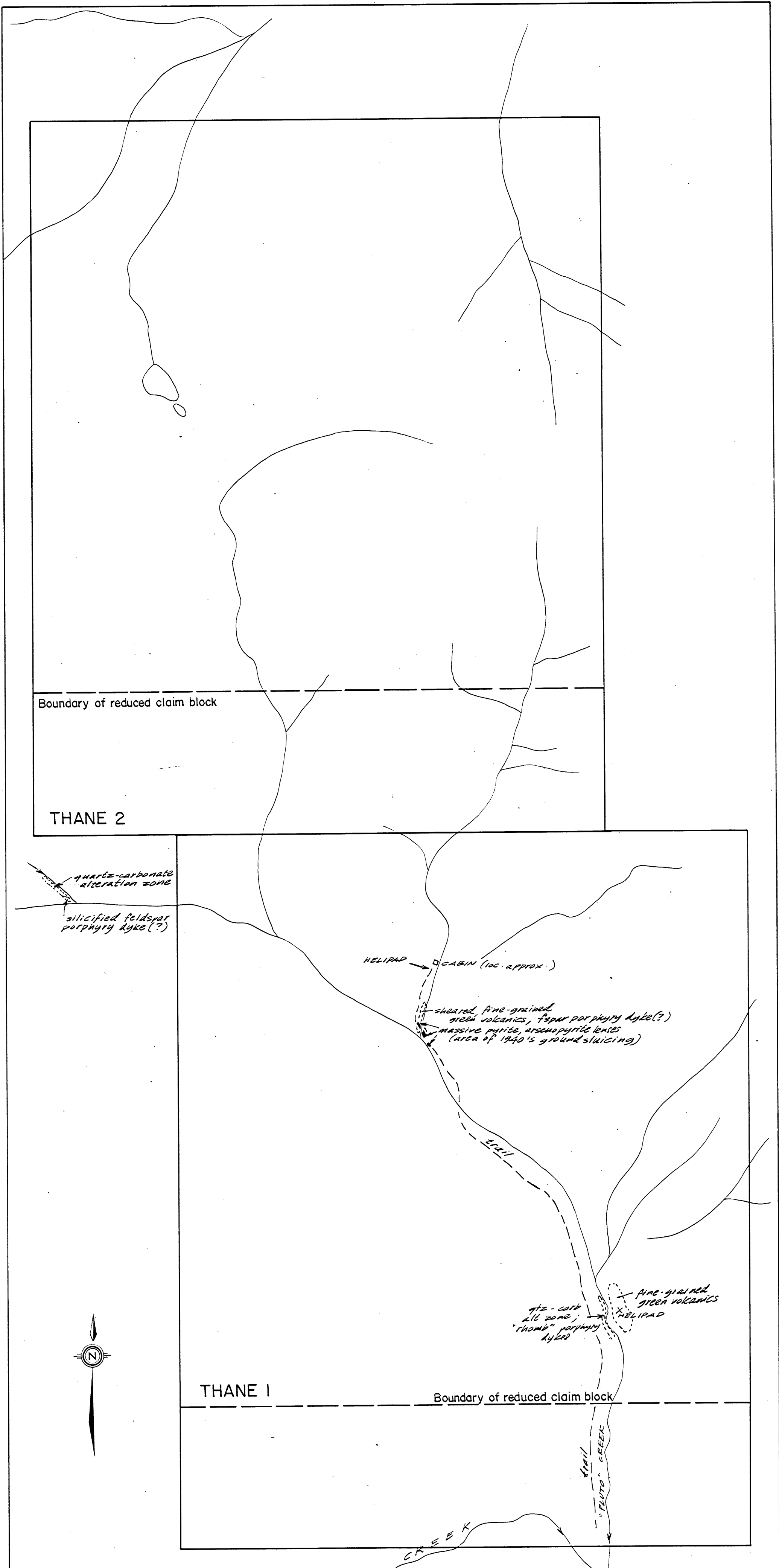
Job # 82-233

Date

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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



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GOLDEN RULE RESOURCES LTD.	
CHAPPELLE PROJECT THANE CLAIMS GEOLOGY	
DATE MARCH, 1983	NTS 94C/3
PROJECT GR-BC-7	MAPPED/ DRAWN BY M. FOX
SCALE 1:10,000	0 100 200 300 METRES
TAIGA CONSULTANTS LTD.	MAP 1.

Boundary of reduced claim block

THANE 2

THANE 1

Boundary of reduced claim block



GEOLOGICAL BRANCH
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○ TH-SL-32
(8, 0.13)
(Au (ppb), Ag (ppm))

GOLDEN RULE RESOURCES LTD.	
CHAPPELLE PROJECT THANE CLAIMS	
Au & Ag IN STREAM SEDIMENTS	
DATE MARCH, 1983	NTS 94C/3
PROJECT GR-BC-7	MAPPED/ DRAWN BY M. FOX
SCALE 1:10,000	0 100 200 300 METRES
TAIGA CONSULTANTS LTD.	MAP 2.

L 3+00W

L 2+00W

L 1+00W

BL 00

L 1+00E

L 2+00E

L 3+00E

L 4+00N

L 3+00N

L 2+00N

L 1+00N

L 0+00

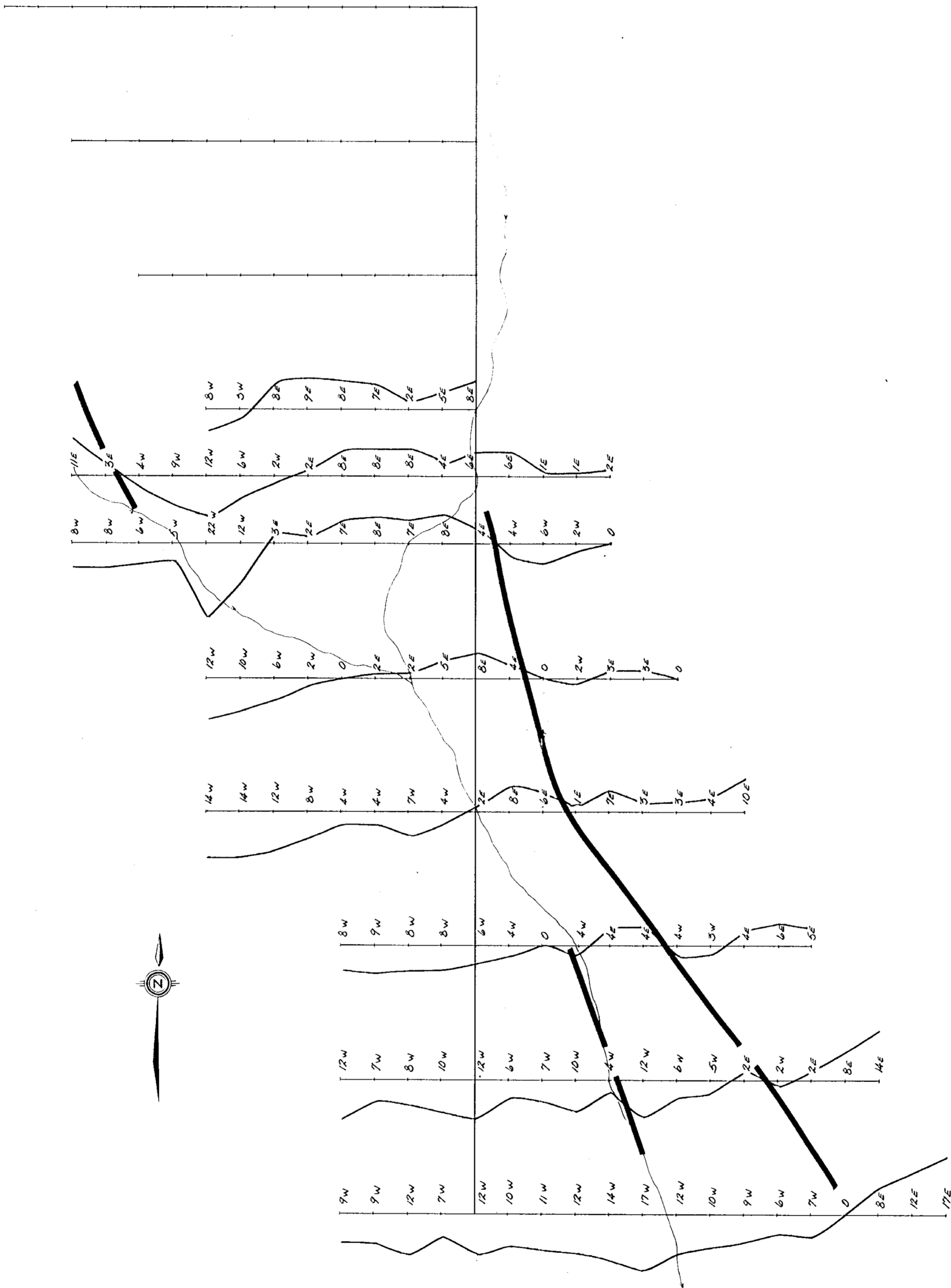
L 1+00S

L 2+00S

L 3+00S

L 4+00S

L 5+00S



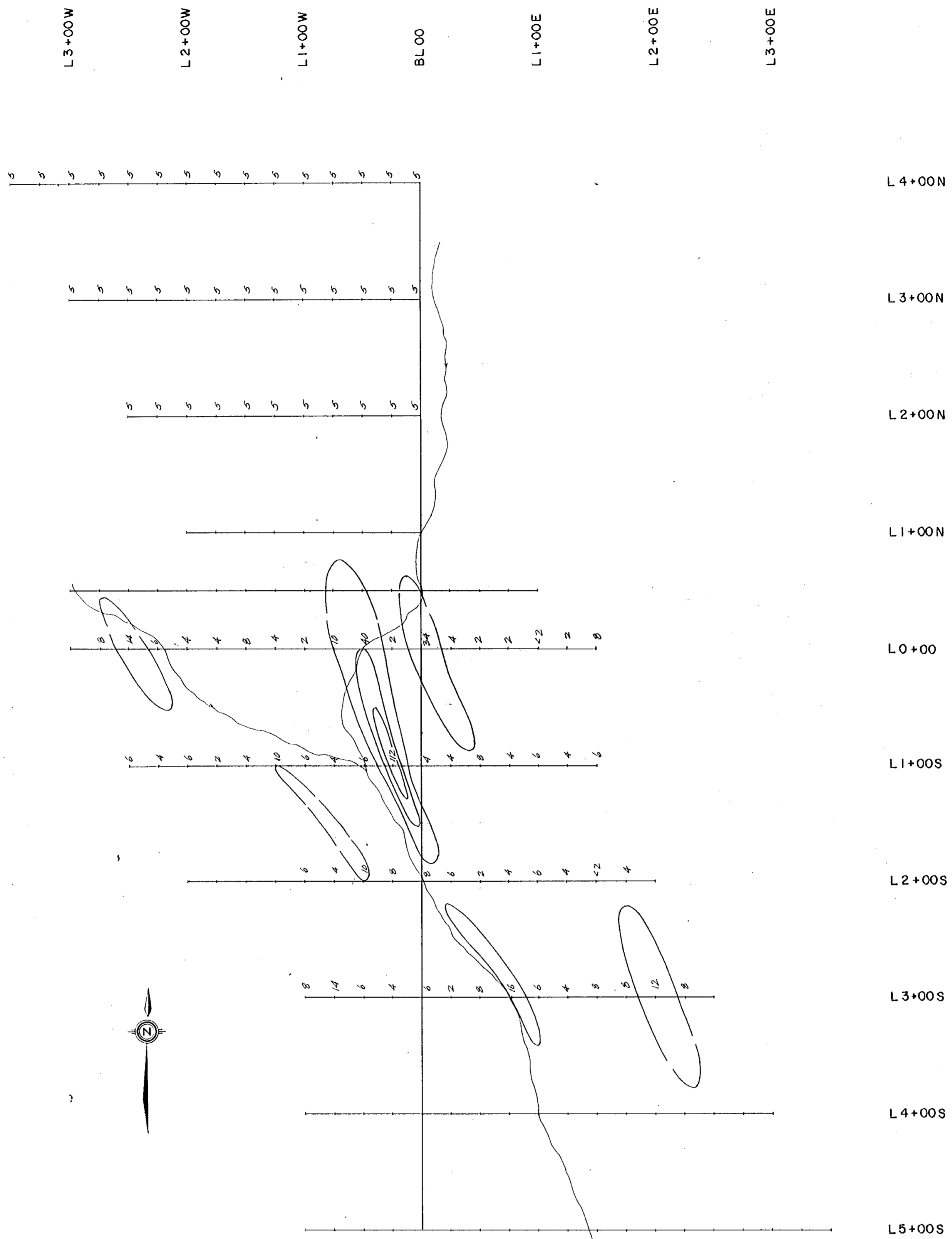
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Instrument: Crome Radem 95
 Station: Seattle, Washington
 Direction to transmitter: 174°
 Profile scale: 1mm = 1° Dip

GOLDEN RULE RESOURCES LTD.	
CHAPPELLE PROJECT	
MAP 3 - GROUND VLF-EM SURVEY	THANE CLAIMS
NTS 94C/3	PROJECT GR-BC-7
SCALE 1:2500	0 25 50 75 100 METERS
TAIGA CONSULTANTS LTD.	

March, 1981



Values in ppb

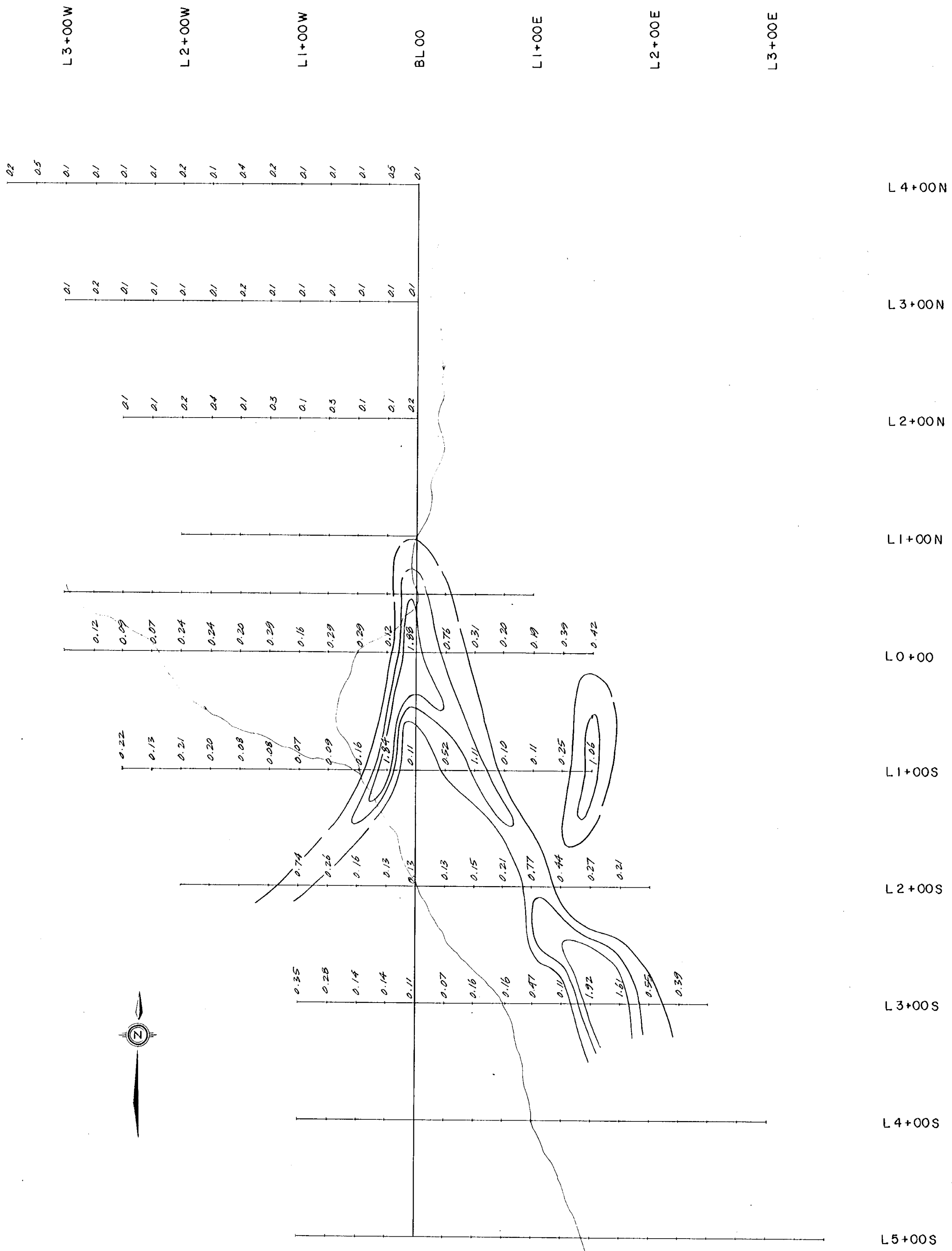
NOTE: - Map revised January 1983
 - Additional sampling carried out in 1982 on
 L 00
 L 1S
 L 2S
 L 3S
 - Au in 1982 samples determined by Fire Assay/
 Atomic Absorption
 - Contour Interval: 10, 40, 80 ppb

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GOLDEN RULE RESOURCES LTD.	
CHAPPELLE PROJECT	
MAP 4 - Au in Soils	THANE CLAIMS
NTS 94 C/3	PROJECT GR-BC-7
SCALE 1:2500	0 25 50 75 100 METERS
TAIGA CONSULTANTS LTD.	

March, 1981



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GOLDEN RULE RESOURCES LTD.	
CHAPPELLE PROJECT	
MAP 5 - Ag in Soils	THANE CLAIMS
NTS 94C/3	PROJECT GR-BC-7
SCALE 1:2500	0 25 50 75 100 METERS
TAIGA CONSULTANTS LTD.	

Values in ppm

NOTE: - Map revised January 1983
 - Additional sampling carried out in 1982 on
 L 00
 L 1S
 L 2S
 L 3S
 - Ag in 1982 samples determined by Fire Assay/
 Atomic Absorption
 - Contour Interval: 0.5, 1.0, 1.5 ppm

March, 1981