

01/85

EXPLORATION REPORT
on the
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

for
CALPETRO RESOURCES INC.
Calgary, Alberta
GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,110

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

TAIGA CONSULTANTS LTD.
#100, 1300 - 8th Street S.W.
Calgary, Alberta T2R 1B2

DECEMBER 1983

12110

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MAPS

1 Polaris Claims — Compilation Map

CERTIFICATE

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

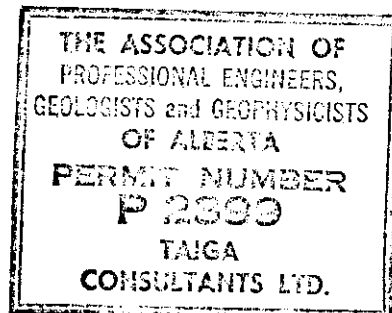
1. I am a Consulting Geologist residing at 120 Hawkwood Hill N.W., Calgary, Alberta.
2. I am a graduate of the University of British Columbia with a B.Sc. in Geology (1974).
3. I have worked in the field of mineral exploration since 1965.
4. I am a member in good standing of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.
5. I have personally worked on the claims and supervised exploration work carried out there and described in this report.

Respectfully submitted,



Michael Fox, P.Geol. (Alberta)

December 1983



SUMMARY

An additional 0.6 km of road building were carried out at the property to provide future drill site access. During the course of this work, the old Jupiter adit portal was partly re-opened and a total of 52 rock samples collected from the No.1, 2, and 3 veins described in earlier assessment reports by this writer and also in the literature. Assays reported from the No.1 and 3 veins indicate that the average tenor of these veins is subeconomic. Assays reported from the No.2 vein have not confirmed the high gold values in this structure reported by earlier workers.

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 (Figure 1). The claims are situated around the confluence of Lay and Polaris Creeks, 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, which connects, 30 km south of Manson Creek, with a network of good, gravel-surfaced logging roads which eventually link with the Prince George - Mackenzie 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 owned by Calpetro Resources Inc. of Calgary, Alberta, subject to the terms and conditions of an option agreement with Golden Rule Resources Ltd. For purposes of applying assessment work, these claims are currently registered as a single group. 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	

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

History of Exploration and Development. Detailed descriptions of exploration and development at the property may be found in earlier assessment reports, by this writer, dated March 1981 and March 1983.

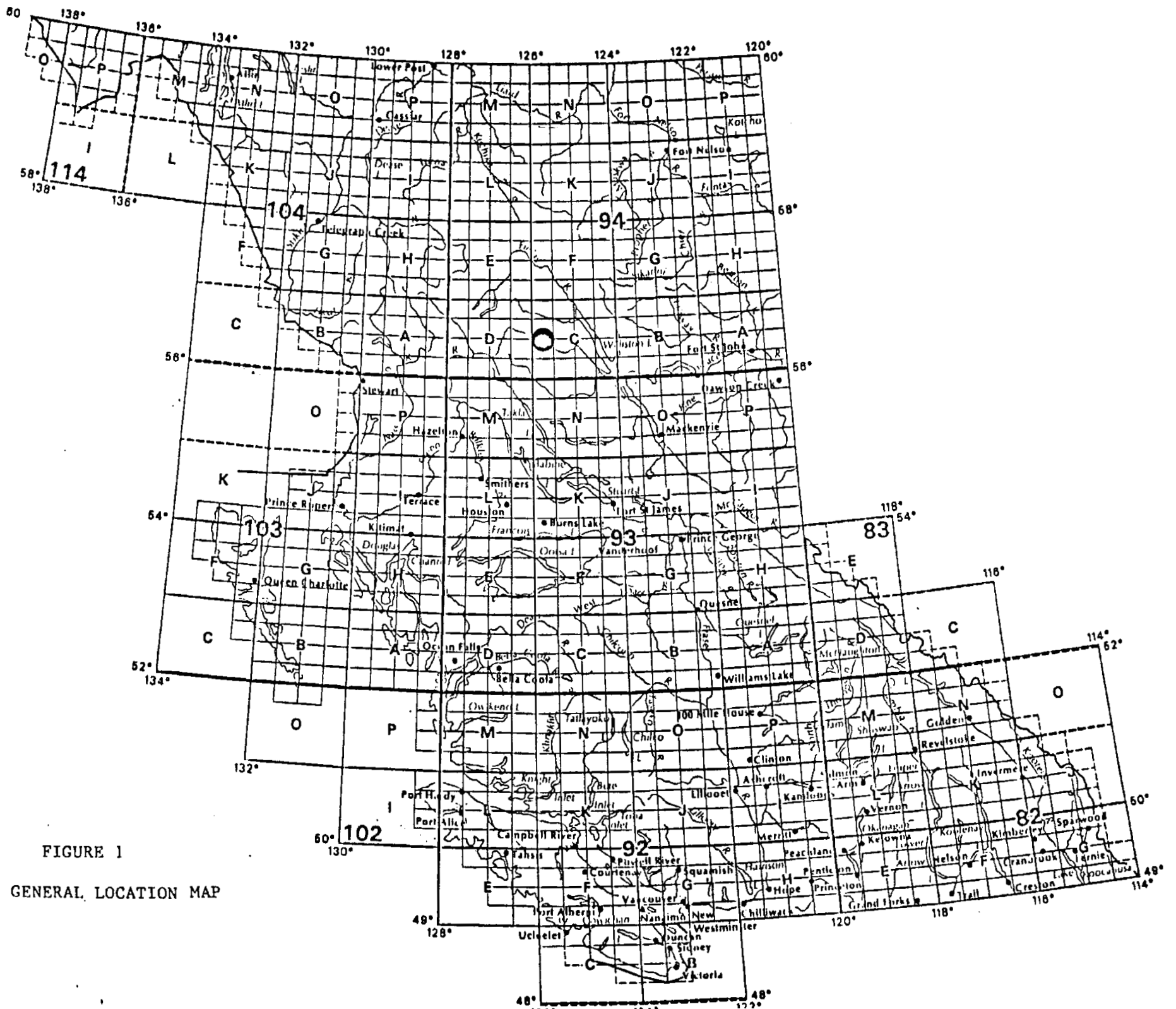


FIGURE 1

GENERAL LOCATION MAP

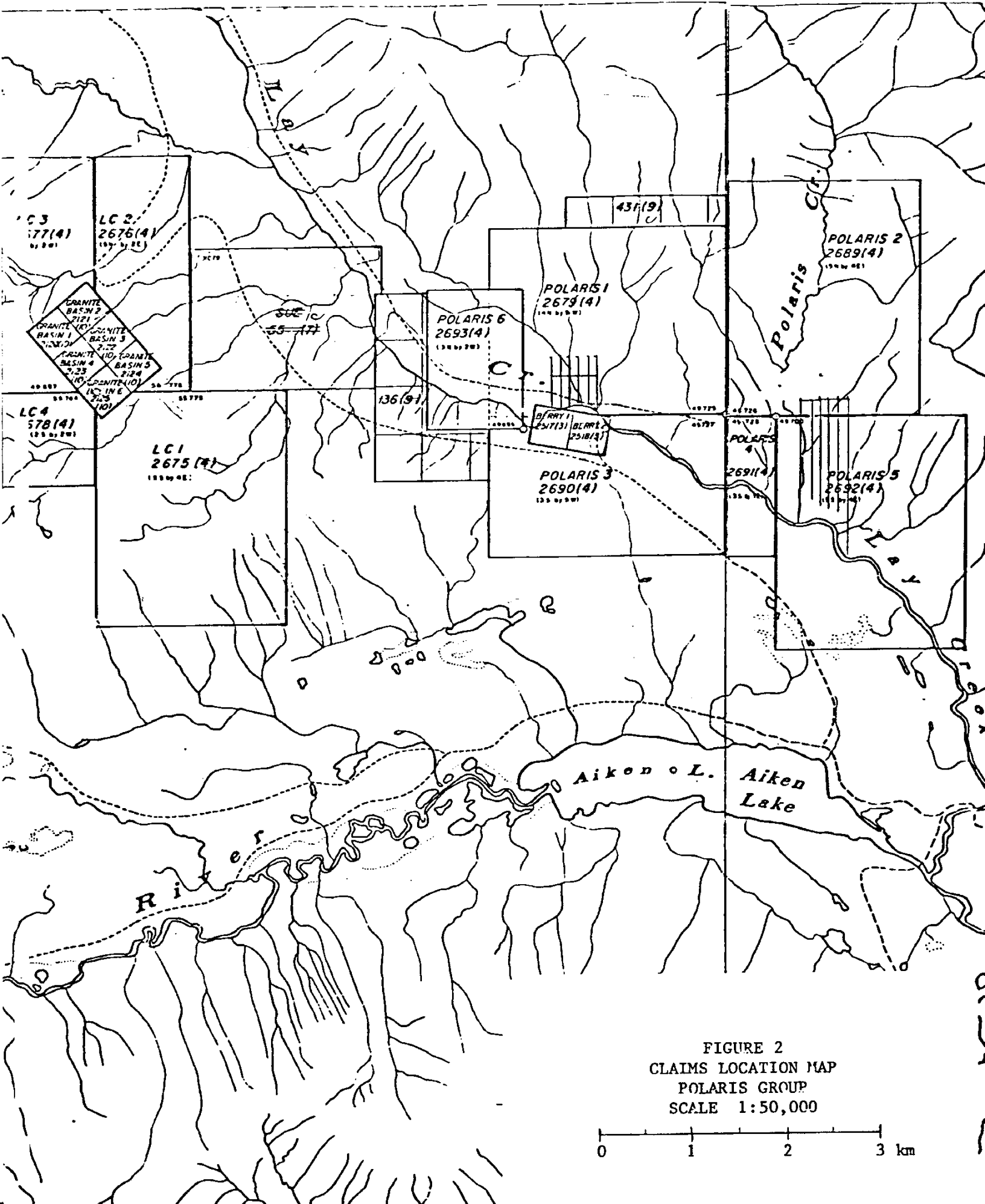
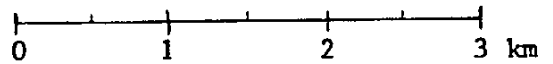


FIGURE 2
CLAIMS LOCATION MAP
POLARIS GROUP
SCALE 1:50,000



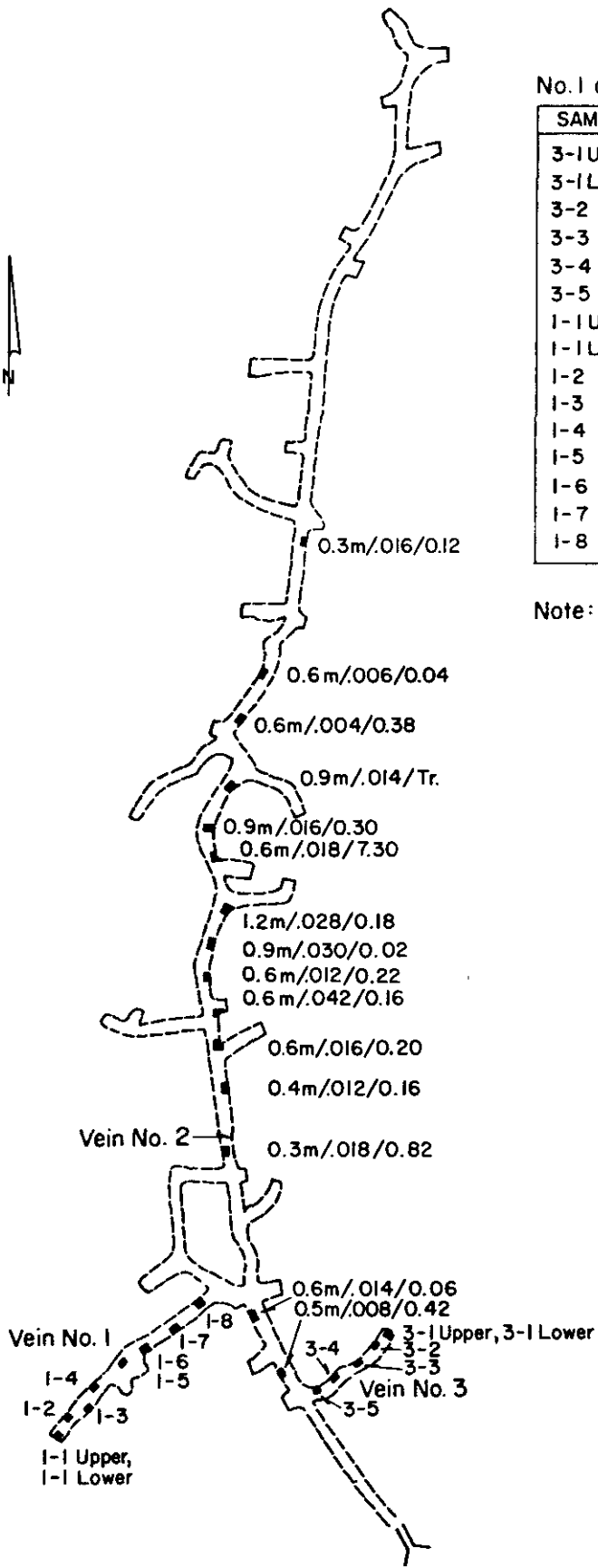
1983 PROGRAM

During October 1983, an additional 0.6 km of road building were carried out to provide future drill site access. During the course of this work, the old Jupiter adit portal was partly re-opened by bulldozing and by hand. A total of 52 semi-continuous chip samples were subsequently collected underground from the No.1, 2, and 3 veins, and were fire assayed for Au and Ag by Loring Laboratories Ltd. of Calgary, Alberta. The results of this sampling, and examination of the mineralized structures underground, are essentially negative. The Ag values in the narrow tetrahedrite-bearing quartz-calcite veins (No.1 and 3 veins) are associated with spottily developed patches of sulphides within the veins. The average tenor of these veins as indicated by 1983 sampling is definitely subeconomic.

Samples were also collected from along a 120 m strike length of the No.2 "vein", a graphitic shear zone in greenstones, traversed by an anastomosing network of narrow quartz-calcite veinlets carrying a little pyrite. Samples were taken at 5 m intervals along the widest and most strongly pyritized sections of the shear and at greater intervals where the shear narrows and hosts a quartz-calcite vein only a few centimetres in width. None of the assays of these samples returned values even remotely approaching values reported by earlier workers, which ranged from 0.31 oz/ton to 7.18 oz/ton Au. (The best sample collected by E. F. Roots in 1946¹ returned 0.135 oz/ton Au and 4.75 oz/ton Ag.)

The results of 1983 sampling are shown in Figure 3.

¹E. F. Roots, GSC Memoir 274 (1954) (includes GSC Map 1030A)



No. 1 and No. 3 Veins

SAMPLE	HW	VEIN	FW
3-1 Upper	0.3m / .002 / Tr.	0.15m / Tr. / 0.58	0.3m / Tr. / 0.7
3-1 Lower	0.3m / Tr. / Tr.	0.2m / .006 / 2.56	0.3m / .002 / 0.38
3-2	0.2m / Tr. / .006	0.15m / Tr. / 0.10	0.3m / Tr. / 0.12
3-3	0.3m / .006 / 0.30	0.2m / Tr. / Tr.	0.3m / Tr. / Tr.
3-4	0.3m / .10 / Tr.	0.15m / 0.10 / 51.86	0.3m / Tr. / 0.56
3-5	0.3m / .002 / Tr.	0.2m / .002 / 2.68	0.3m / Tr. / Tr.
1-1 Upper	0.6m / Tr. / 0.16	0.15m / Tr. / 2.58	0.6m / Tr. / Tr.
1-1 Lower		0.2m / .002 / 0.22	
1-2		0.15m / .006 / 0.38	
1-3	0.3m / .006 / 0.12	0.15m / 0.10 / 6.98	0.3m / Tr. / Tr.
1-4		0.2m / .006 / 20.28	
1-5		0.2m / .006 / 7.20	
1-6	0.3m / .002 / Tr.	0.2m / .014 / 0.36	0.3m / 0.10 / 0.02
1-7	0.3m / .008 / 0.56	0.2m / 0.10 / 1.92	0.3m / .006 / Tr.
1-8	0.3m / .006 / Tr.	0.2m / .008 / 4.20	0.3m / .002 / Tr.

Note: All samples are reported thus:
width(m) / Au (oz/ton) / Ag(oz/ton)

CALPETRO RESOURCES INC.	
POLARIS CLAIMS - JUPITER ADIT	
UNDERGROUND SAMPLING	
of	
Nos. 1, 2 and 3 Veins	
DATE Dec., 1983	NTS 94C/5W
PROJECT BC-83-6	MAPPED/ DRAWN BY M. FOX
SCALE 1:1000	0 25 METRES
TAIGA CONSULTANTS LTD.	MAP

see also Map 1

CONCLUSIONS

1. Carefully collected, representative sampling of hangingwall, footwall, and vein material of the No.1 and No.3 veins has disclosed that Ag values accompany patchily developed sulphides in narrow quartz-calcite veins averaging less than 30 cm in width. The assay results indicate that the average tenor of the veins is not "economic".
2. Representative sampling of vein and shear material of the No.2 "vein" has not confirmed the high gold values in this structure reported by earlier workers. With or without the high values, the narrow widths and poor continuity of the mineralized structure would suggest that the vein is not economic.

RECOMMENDATIONS

No further work should be carried out at the Jupiter adit.

STATEMENT OF EXPENDITURES

Pre-Field (crew and equipment assembly, airphoto and base map preparation)	\$ 300.00
Travel expenses	1,886.68
Personnel:	
M. Fox, Geologist	
Oct.13-Oct.18 6 days @ \$240/diem	1,440.00
R. MacKillop, Field Supervisor	
Oct.13-Nov.10 28½ days @ \$215/diem	6,127.50
Camp and Accommodation	900.00
Bulldozer (TD20-B tractor)	8,000.00
Truck rental (4x4) 29 days @ \$75/diem	2,175.00
Assays (52 samples)	.624.00
Disposable supplies	680.42
Report writing, drafting, reproductions	5,060.00
Miscellaneous, (courier, freight, telephone, etc.)	355.00
TOTAL	<u>\$ 27,548.60</u>

A P P E N D I X

Assays

To: TAIGA CONSULTANTS LTD
 Suite 100, 1300 - 8th Street S.W.,
 Calgary, Alberta T2R 1B2
 Attn: M. Fox



File No. 25563
 Date November 29, 1983
 Samples Rock
 PROJECT # BC-83-6

Certificate of
ASSAY of
LORING LABORATORIES LTD.
 Page # 1

SAMPLE No.			OZ./TON GOLD	OZ./TON SILVER
<u>"Rock Samples"</u>		<u>WIDTH</u>		
#2026	2-1	0.0m	.018	7.30
27	2-2	1.2m	.028	.18
28	2-3	0.9m	.030	.02
29	2-4	0.6m	.012	.22
#2030	2-5	0.6m	.042	.16
31	2-6	0.6m	.016	.20
32	2-7	0.4m	.012	.16
33	2-8	0.3m	.018	.82
34	2-9	0.6m	.014	.06
#2035	2-10	0.5m	.008	.42
36	2-11	0.3m	.016	.12
37	2-12	0.6m	.006	.04
38	2-13	0.6m	.004	.38
39	2-14	0.9m	.014	Trace
#2040	2-15	0.9m	.016	.30
#2251	1-3 F	0.3m	Trace	Trace
52	1-4 V	0.2m	.006	20.28
53	1-5 V	0.2m	.006	7.20
54	1-6 V	0.2m	.014	.36
#2255	1-6 H	0.3m	.002	Trace

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

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

D. Enders

To: TAIGA CONSULTANTS LTD.
 Suite 100, 1300 - 8th Street S.W.,
 Calgary, Alberta T2R 1B2
 Attn: M. Fox



File No. 25563
 Date November 29, 1983
 Samples Rock
 PROJECT # BC-83-6

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 2

SAMPLE No.		OZ./TON GOLD	OZ./TON SILVER
<u>"Rock Samples"</u>			
	<u>WIDTH</u>		
#2256	1-6 F 0.3m	.010	.02
57	1-7 V 0.3m	.010	1.92
58	1-7 H 0.3m	.008	.56
59	1-7 F 0.3m	.006	Trace
#2260	1-8 H 0.3m	.006	Trace
61	1-8 V 0.2m	.008	4.20
62	1-8 F 0.3m	.002	Trace
#2276	3-1 V (UPPER FACE) 0.15m	Trace	.58
77	3-1 H (" ") 0.3m	.002	Trace
78	3-1 F (" ") 0.3m	Trace	.70
79	3-1 V (LOWER FACE) 0.2m	.006	2.56
#2280	3-1 F (" ") 0.3m	.002	.38
81	3-1 H (" ") 0.3m	Trace	Trace
82	3-2 V 0.15m	Trace	.10
83	3-2 F 0.3m	Trace	.12
84	3-2 H 0.2m	Trace	.06
#2285	3-3 F 0.3m	Trace	Trace
86	3-3 V 0.2m	Trace	Trace
87	3-3 H 0.3m	.006	.30
88	3-4 H 0.3m	.10	Trace
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>			

Rejects Retained one month.
 Pulp Retained one month

To: TAIGA CONSULTANTS LTD.
 Suite 100, 1300 - 8th Street S.W.,
 Calgary, Alberta T2R 1B2
 Attn: M. Fox



File No. 25563
 Date November 29, 1983
 Samples Rock
 PROJECT # BC-83-6

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 3

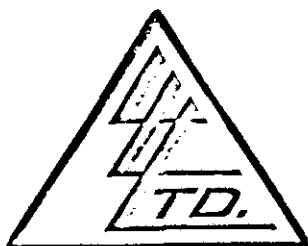
SAMPLE No.		OZ./TON GOLD	OZ./TON SILVER
<u>"Rock Samples"</u>			
	<i>WIDTH</i>		
#2289	3-1V 0.15m	.010	51.86
#2290	3-4F 0.3m	Trace	.56
91	3-5V 0.2m	.002	2.68
92	3-5H 0.3m	.002	Trace
93	3-5F 0.3m	Trace	Trace
94	1-1F (UPPER FACE) 0.6m	Trace	Trace
#2295	1-1V (" ") 0.15m	Trace	2.58
96	1-1H (" ") 0.6m	Trace	.16
97	1-1V (LOWER FACE) 0.2m	.002	.22
98	1-2V 0.15m	.006	.38
99	1-3H 0.3m	.006	.12
#2300	1-3V 0.15m	.010	6.98

I **Hereby Certify** THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . .

Rejects Retained one month.

Pulps Retained one month
 unless specific arrangements
 made in advance.

D. E. Ender



LORING LABORATORIES LTD.

Phone 274-2777

629 Beaverdam Rd. N.E.
Calgary, Alberta T2K 4W2

October 25, 1983

TAIGA CONSULTANTS LTD
Suite 100, 1300 - 8th Street S.W.,
Calgary, Alberta
T2R 1B2

Analytical methods employed for analysis of samples which were completed for our file #25341 are as follows:

- Au, Ag - Au for samples greater than .010 oz/ton
fire assay - gravimetric finish.
- Au for samples less than .010 oz/ton
fire assay digestion - Atomic Absorption
finish using 4 - methyl - 2 - pentanone
extraction.
- Ag - fire assay - gravimetric.

I hope this data will suffice for your requirements.

Sincerely,

Don Enders (G.Mgr.)

LORING LABORATORIES LTD.

DE/kw



GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,110

LEGEND

- siltstone, andesitic breccias, tuffs, minor acidic tuffs
- Limestone and shale; folid, black
- Argillite, grey to black, siliceous
- Intrusives: quartz monzonite (?) porphyry, biotite, feldspar porphyry, diorite

NOTES

Geology compiled from
B.C. Assessment Report 6057
and checked in the field.

CALPETRO RESOURCES INC.

CHAPPELLE PROJECT

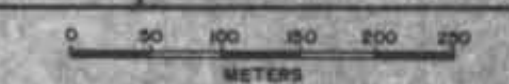
MAP 1 - COMPILATION

POLARIS CLAIMS

NTS 94 C/5

PROJECT

SCALE 1:5000



TAIGA CONSULTANTS LTD.