



1980-1981 ASSESSMENT REPORT
DOLORES CREEK AREA
MAYO MINING DISTRICT, YUKON
(106 C 14)

IOTA Mineral Claims 1 to 20
BARB Mineral Claims 1 to 4

Exploration Program Conducted Between;
June 6 and July 27, 1981

Report By:

John H. Hajek
Exploration Manager

090895

ZELON ENTERPRISES LTD.
904 - 510 West Hastings Street
Vancouver, B.C.
V6B 1L8

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 23,980.⁰⁰.

for *R. Debrcki*
Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

008000

FROM Mining Recorder at Mayo

TO Supervising Mining Recorder at Whitehorse, Y.T.

FOR ACTION ARE:

NEW APPL'N for PLACER LEASE to PROSPECT: Name:

RENEWAL APPL'N PLACER LEASE to PROSPECT: Name:

Lease No _____

AFFIDAVIT of EXPENDITURE on PLACER LEASE. Name:

Lease No _____

ASSIGNMENT of PLACER LEASE No. _____

From: _____ To: _____

GROUPING APPL'N UNDER SEC. 52(2) PLACER MINING ACT.

- Owner: _____

DIAMOND DRILL LOGS:

Claims: _____ Claim sheet no: _____

QUARTZ ASSESSMENT REPORT

Claims: LOTA 1-20
BARB 1-4

Claim sheet no: 106-C-13/14

Type of report:

Submitted by:

GEOLOGY

ZELON ENTERPRISES LTD

Cls. work performed on:

\$ Req. for ren. application

LOTA 1-20
BARB 1-4

\$ 23980.00

Signature _____

REPLY ACTION:

Date Ret. _____

090895

Signature _____

TABLE OF CONTENTS

I.	INTRODUCTION	1
II.	PROPERTY AND OWNERSHIP	1
III.	LOCATION AND ACCESS.	2
IV.	GEOLOGICAL SETTING	3
V.	PERSONNEL AND FIELD TIME DISTRIBUTION.	5
VI.	EXPLORATION ON DOLORES CREEK AREA.	7
VII.	WORK RECOMMENDATION.	12
VIII.	AFFIDAVIT OF EXPENDITURES.	13
	A) Exploration Expenses per	
	Claim Grouping	13
	B) Zelon's Exploration Expenses	14
	1. Cost of Assaying	14
	2. Helicopter Cost.	15
	3. Field Personnel Salaries, Transportation & Camp.	15

APPENDICES

APPENDIX A - Supplement to Project Expenses

APPENDIX B - Analytical Results



TABLE OF CONTENTS

FIGURES

	After Page
FIG. 1 Project Location (Scale:1:7,603,200).	1
FIG. 2 Iota Claim Group (Scale:1"= $\frac{1}{2}$ mile).	1
FIG. 3 Barb Claim Group (Scale:1"= $\frac{1}{2}$ mile).	1
FIG. 4 Hadrynian & Helikian Strata.	4
FIG. 6 Iota Geology Map	9
FIG. 7 Field Sketch of Mineralization on Iota 19	10

MAPS

MAP NO. 1	TY-3-1030 - Dolores Creek Area, Claim Locations.	(1"= $\frac{1}{2}$ mile)
MAP NO. 2	TY-3-1031 - Dolores Creek Area, Sample Locations	(1"= $\frac{1}{2}$ mile)
MAP NO. 3	TY-3-1032 - Iota and Gollum Claims . .	(1:10,000)
MAP NO. 4	TY-3-1033 - Barb Claims.	(1:10,000)

I. INTRODUCTION

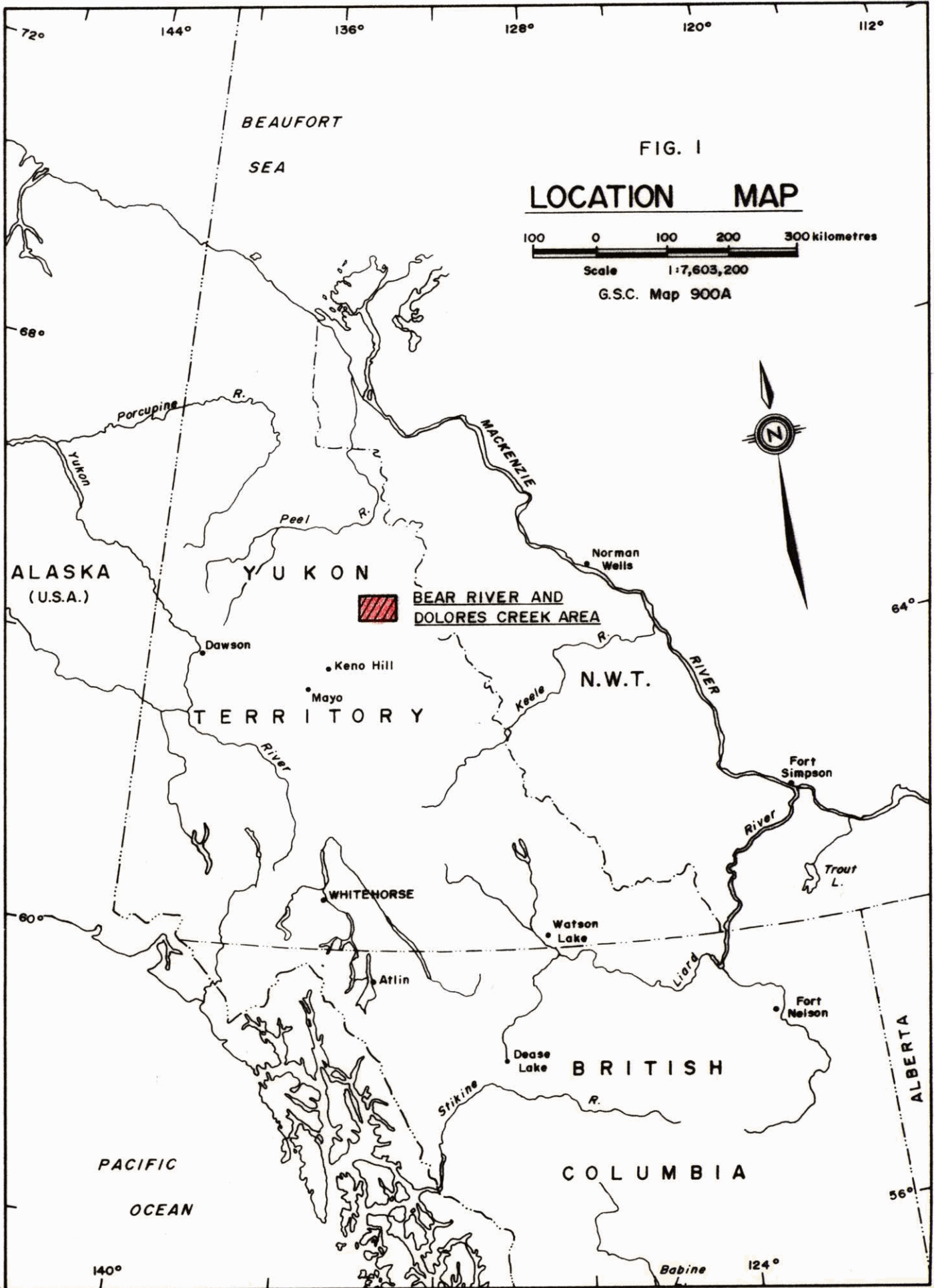
This report details expenditures by Texaco Canada Resources Ltd. (TCRL) on Iota 1-20 and Barb 1-4 claim groups, located in the Dolores Creek area of the Wernecke Mountains, Yukon (Figure 1), during the twelve month period following the claim's recording date, November 17, 1980. Zelon Enterprises of Vancouver has a ten percent (10%) working interest in the group.

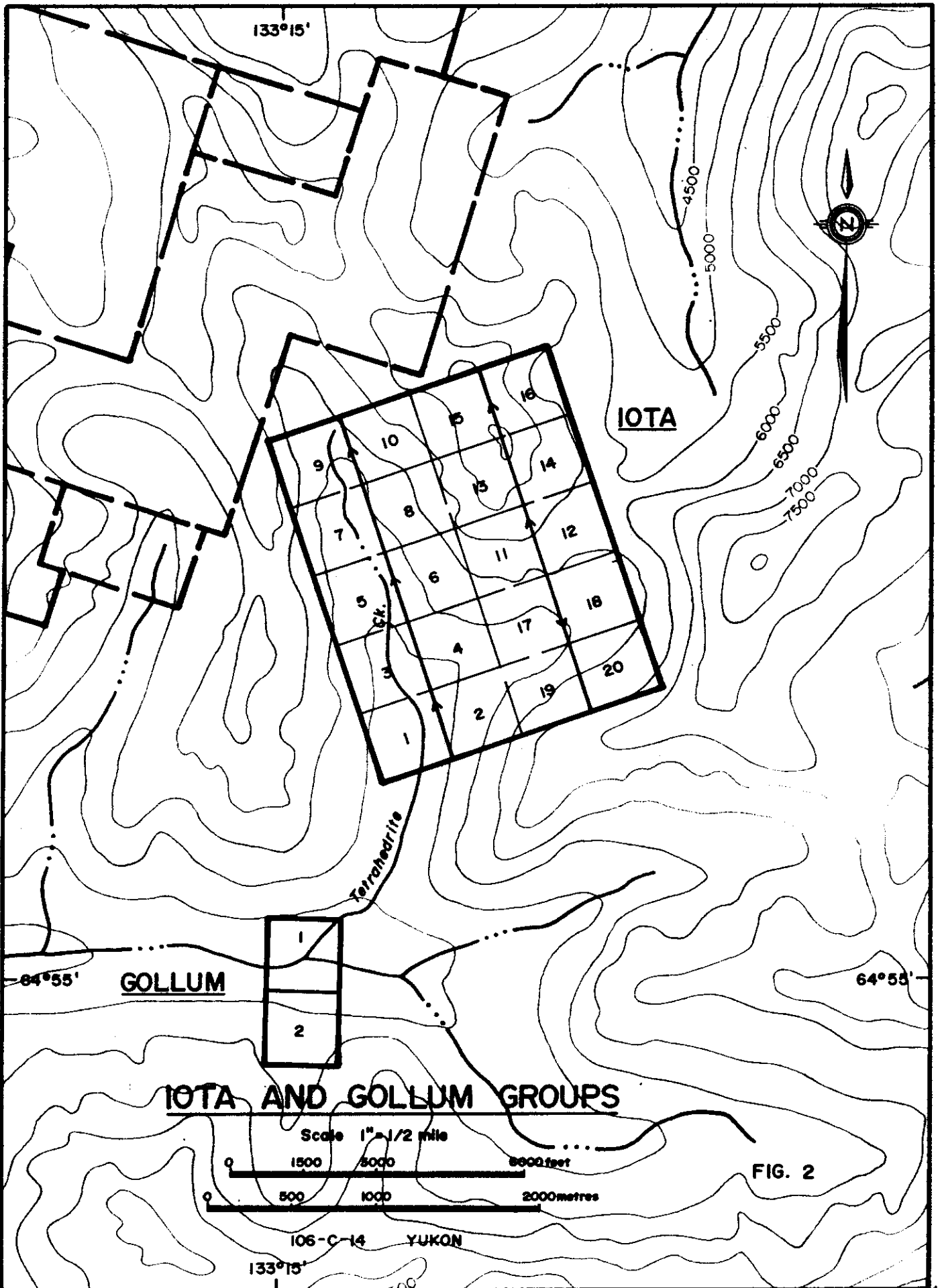
II. PROPERTY AND OWNERSHIP

The Dolores Creek properties consist of (24) twenty-four mineral (quartz) claims recorded in the name of Zelon Enterprises Ltd., and which are registered in the Mayo Mining District, Yukon Territory (Figures 2 & 3).

The property list of claims is as follows:

<u>CLAIM NAME</u>	<u>DATE RECORDED</u>	<u>GRANT NUMBERS</u>	<u>EXPIRY DATE</u>
Iota 1-20	Nov.17,1980	YA43419-43438	Nov.17,1981
Barb 1-4	Nov.17,1980	YA43415-43418	Nov.17,1981





IOTA AND GOLLUM GROUPS

Scale 1" = 1/2 mile

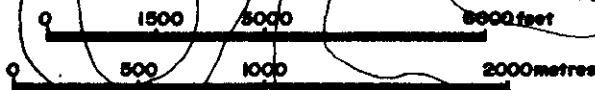
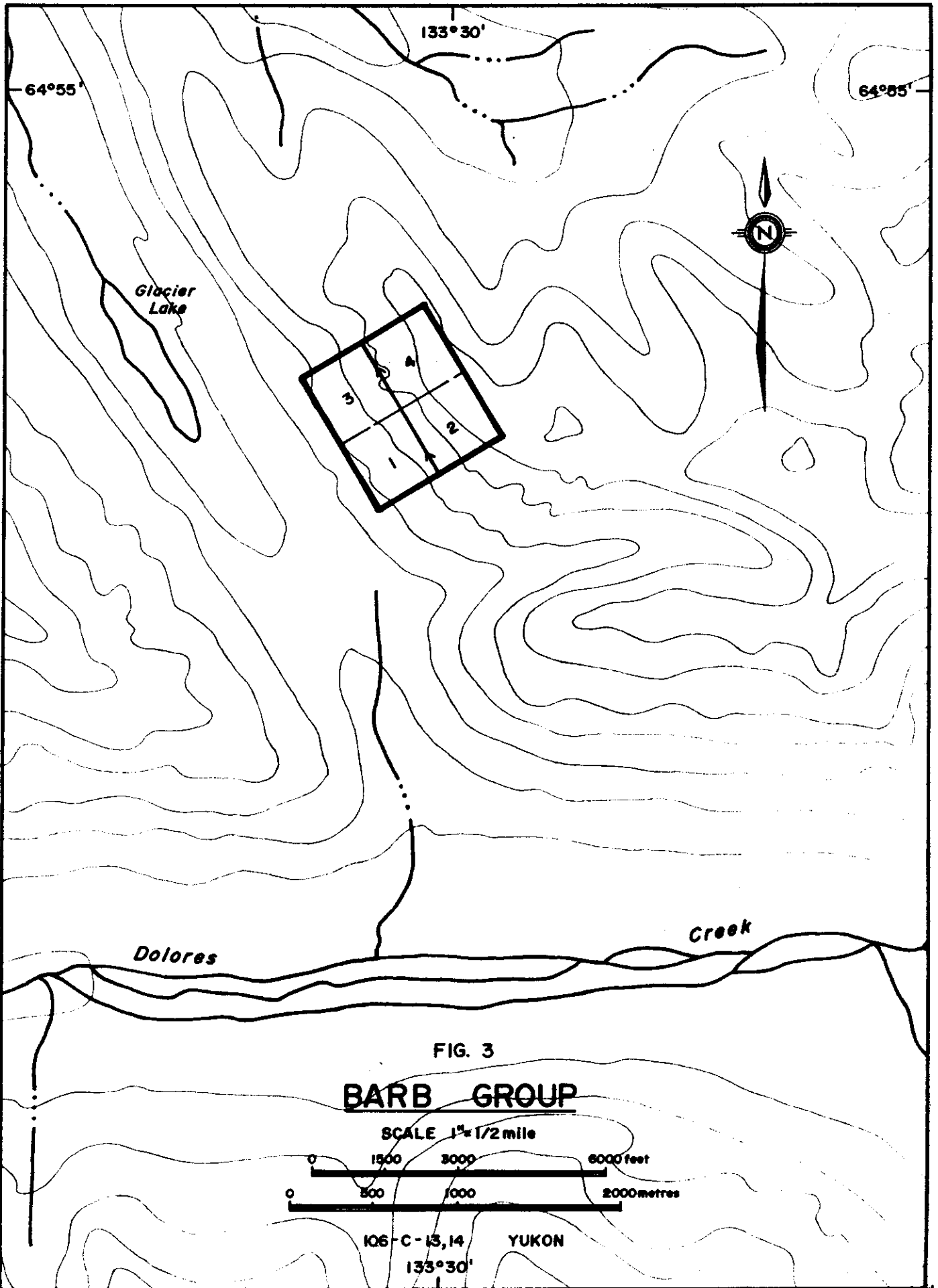


FIG. 2

106-C-14 YUKON

133°15'

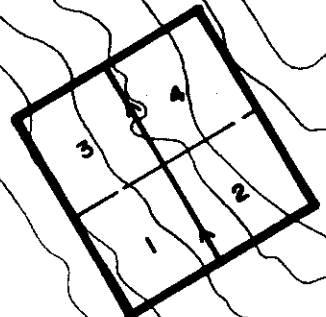


133°30'

64°55'

64°55'

Glacier Lake



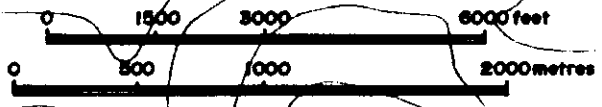
Dolores

Creek

FIG. 3

BARB GROUP

SCALE 1" = 1/2 mile



106-C-13,14

YUKON

133°30'

Application is herewith made to the mining recorder to record this year's representation of work to a common anniversary date of November 17th.

III. LOCATION AND ACCESS

Iota 1-20 claims cover the headwaters of Tetrahedrite Creek, a tributary of Dolores Creek, which in turn drains into the northerly flowing Bonnet Plume River. They are some 190 km northeast of Mayo, the closest supply base.

Barb 1-4 claims are on the east slope of Glacier Pass, some 600 metres east from the south end of the lake.

Mountains in this area range from 1400 m to 2000 m in elevation. A few stunted trees grow in the valleys; otherwise the terrain consists of alpine meadows, talus slopes and precipitous cliffs. Ground appears to be permafrost below a depth of a few metres.

A 'cat track' was pushed into this area by Bonnet Plume River Mines Ltd., in the late 1960's. It connects with the winter tote road through the Bonnet Plume Valley and out onto the Eagle Plains. Although it has not been used much in the last few years, it could be readily improved. A dirt airstrip a few kilo-

meters downstream from the Iota group, at the junction of Cobalt and Dolores Creeks, was used by Single Otter pilots during 1981, and could be upgraded for 'DC-3' use.

IV. GEOLOGICAL SETTING

This area is within the Precambrian sediments of the Wernecke inlier. In the adjacent Nash Creek area (G.S.C. Memoir 364) L.H. Green tabulates the sediments as Units 1 and 2, and has divided them into a predominantly argillitic sequence (1) and a predominantly dolomitic sequence (2). This classification can be extended into Dolores Creek.

Rocks are much folded and disturbed; contacts are probably faulted or thrust, and it is suspected that many units could be present as nappes, or inverted sheets. Hence, no attempt has been made to establish a stratigraphy.

Numerous stromatolites were noted in some siliceous dolostones. These together with the presence of disseminated copper sulfides, traces of cobalt, and

enigmatic uranium concentrations, suggests a correlation with the undeformed Helikian sediments, unconformable over crystalline basement, but in turn unconformably overlain by Phanerozoic sediments, on the Leath Peninsula; Great Bear Lake.

The presence of gently dipping Hadrynian strata to the east of the Dolores Creek headwaters, and apparently unconformable over Wernecke sediments, corroborates this correlation (unsigned preliminary map, NTS 106 C, G.S.C. Open File 205, June 1974) Figure 4.

A few peculiar lithologies were noted. Rotted mafic material high on a ridge in Iota 18 appears to be some kind of intrusive sheet, probably concordant with a major fault separating Units 1 and 2.

Hornblende-chlorite rich 'greenstones' within Unit 2 probably represents diabase dikes-sills of ancient age. They appear to have spatial relationships with some of the copper-cobalt mineralization.

Brown coloured siderite sheets/veins in Iota 2, 19 could also be of intrusive origin. They commonly carry tetrahedrite.

HADRYNIAN AND HELIKIAN STRATA

HADRYNIAN

- Hd (1) grey weathering medium to thick bedded fine grained dolomite; basal dark brown conglomerate Hcgl
- (2) light grey buff weathering, porous fine-grained dolomite
- Hsq, brown shale, siltstone and conglomerate, minor orange weathering platy dolomite
- Hsc, interbedded platy orange weathering dolomite, brown and black shale and sandstone
- Hc (1) orange weathering banded dolomite and minor limestone
- (2) grey weathering dolomite and limestone

HELIKIAN

- Hc, orange weathering grey, pink and buff fine-grained dolomite
- Hs, dark slate, minor siltstone and argillaceous dolomite
- Hsc, dark slate and argillite, minor fine-grained quartzite and limestone
- Hcs, grey weathering interbedded dark argillite and limestone, minor biotite calc-silicate hornfels

Unit 1 in Iota claims 3-10, along the headwaters of Tetrahedrite Creek, is brecciated and feldspathized, forming large masses of the peculiar 'breccia pipe' rock found throughout the Wernecke Ranges.

A distinctive red siltstone/slate bed forms a marker bed in Iota 12, 18 and 20.

Barb 1-4 claims, located on the east slope of Glacier Lake cover: slates, phyllites, dolomites and quartzite outcrops of Unit 1, in contact with brecciated rocks of Unit 2. In the Barb area, Units 1 and 2 are in turn cut by small intrusive stocks (diorite to greenstones) which often are mineralized with chalcopyrite and siderite veinlets, (Map 3-1040).

On Barb No. 3, a area of jointed fractured quartzite invaded by diorite dykes and mineralized with disseminated chalcopyrite-pyrite has been found by J.H. Hajek.

V. PERSONNEL AND FIELD TIME DISTRIBUTION

The following personnel took part in the exploration program on the Dolores Creek (106-C-14) properties:

Hajek, J.H.	(JHH)	Project Supervisor	Zelon Enterprises Ltd. Vancouver, B.C.
Simpson, R.H.	(RHS)	Project Geologist	" " " "
Alexander, M.	(MA)	Geological Asst.	" " " "
Hargrave, A.	(AH)	Geological Asst.	" " " "
Javorsky, D.	(DJ)	Prospector	" " " "
Flock, M.	(MF)	Field Asst.	" " " "
LaFrance, R.	(RLF)	Prospector	" " " "
Currie-Mills, V.		Cook	" " " "
Robichaud, N.		Helicopter Pilot	Pacific Helicopters Delta, B.C.
Munday, R.J.	(RJM)	Research Assoc.	Texaco Canada Resources Calgary, Alberta
Broadbent, C.H.	(CHB)	Research Assoc.	Texaco Canada Resources Calgary, Alberta

A base camp was established one km west of the Bear River air strip, from June 6 to July 27, 1981.

Some 27 man days were expended on this exploration project during 1981. Details of man days per claim are tabulated below:

<u>IOTA CLAIMS 1-20</u>	<u>TOTAL MAN/DAYS</u>
June 27 R. Simpson, J. Hajek	1 day
June 28 R. LaFrance (Camp Building)	1 day
July 12 R.J. Munday, C. Broadbent	2 days
July 13 R.J. Munday, C. Broadbent, R. Simpson	3 days
July 18 C. Broadbent, D. Javorsky, M. Alexander, R. LaFrance, J. Hajek, R. Simpson	6 days
July 20 D. Javorsky, R. Simpson	2 days
July 21 M. Alexander, R. LaFrance, M. Flook, A. Hargrave	4 days
July 22 M. Alexander, R. LaFrance	<u>2 days</u>
	21 days
 <u>BARB CLAIMS 1-4</u>	
June 27 R. Simpson, J. Hajek	1 day
June 28 M. Flook (Camp Building)	$\frac{1}{2}$ day
July 14 C. Broadbent, R. Simpson ($\frac{1}{2}$)	$1\frac{1}{2}$ days
July 22 M. Flook, D. Javorsky, C. Broadbent	<u>3 days</u>
	6 days

One and one half man days were allocated to camp building and regional work related to the Barb-Iota Claim groups.

VI. EXPLORATION ON DOLORES CREEK AREA

In July of 1980, R.J. Munday and J.H. Hajek, in the course of a general prospecting program in the Werneck Mountains, took a look at the Dolores Creek area, and noted large boulders of granitic material in the creek, as well as small cobbles with copper mineralization. Subsequent prospecting in Tetrahedrite Creek revealed a talus fan carrying cobbles of tetrahedrite/siderite material, as well as rusty quartz/sulfide float.

Samples were routinely assayed that fall, and returned the following values: (Note - 1 oz/ton gold is equal to 34.28 ppm).

<u>Number</u>	<u>Au</u> <u>ppm</u>	<u>Ag</u> <u>ppm</u>	<u>Cu</u> <u>%</u>	<u>Co</u> <u>%</u>
RM-100-80	69.0	299	4.20	0.01
RM-101-80	31.7	375	1.35	0.01
RM-102-80	70.3	173	0.12	0.01

As floats appeared to originate from an area untested by previous prospecting, it was decided to stake the general area. Zelon performed this work in early November, and recorded Iota 1-20 on November 17, 1980.

In July 1981 the claims were prospected for the source of the auriferous float and establish if other

mineralization might also occur.

On July 12, 1981 R.J. Munday established that a series of quartz carbonate and ankerite veins outcrop on an 330° trending ridge on Iota 19. Floats from these veins fall down a series of scree shoots, and are the material assayed in 1980.

Pitting by C.H. Broadbent and R.J. Munday on July 13, 1981 revealed a weathered, rotted quartz carbonate-sulfide vein subcropping beneath dolostone talus high in cirque on Iota 19 (Figure 6). Despite digging through more than two metres of debris, the vein could not be adequately exposed: loose material kept slumping into the pit. However several samples (10 kg) of vein material was collected; assay indicated: (Map 3-1039).

<u>Number</u>	<u>Au</u> <u>ppm</u>	<u>Ag</u> <u>ppm</u>	<u>Cu</u> <u>%</u>	<u>Pb</u> <u>%</u>	<u>Zn</u> <u>%</u>	
10115	254	106	-	-	-	Float above vein
10116	412	83	5.9	21.2	5.5	Vein subcrop
10117	222	82	5.0	15.3	16.7	Vein subcrop
10121A	127	79	4.7	-	-	Float beneath vein
10121B	138	84	6.1	-	-	Float beneath vein
10314	865	94.7	3.7	(6.6% Sb)		Grab Sample
10315	10.2	9.6	1.3	(1.2% Sb)		Grab Sample

A pit was dug right on the ridge crest, and extended as a shallow trend up slope to an outcrop of rotted 'diabase', and downslope until slope stability stopped the dig. The southwest extension of the vein was not encountered (Figure 7).

Our best estimate to date indicates the auriferous vein is a 040/90 trending structure, some 100 cm in true width, traceable for several metres beneath an unstable talus cover. It is mineralized by tetrahedrite-stibnite-galena-sphalerite-arsenopyrite-pyrite in a quartz-dolomite gangue. It is part of a swarm traceable for several kilometers, roughly concordantly to a major northeast trending fault zone, and holds potential for both strike and dip extension as well as adjacent similarly mineralized structures.

Vein quartz-carbonate float (probably frost heave) was also noted in a west trending talus from close by the junction of Iota 19 and 2. It carries traces of copper stain.

An ankerite vein, 2-3 metres wide, strikes at 040° across the mineralized ridge of Iota 19. Debris from it falls northerly into the 'discovery' talus fan, and also westerly into Iota 4. Some tetrahedrite-bearing boulders in the west facing talus appear to originate from other, hidden, veins.

A large quantity of tetrahedrite mineralized float was

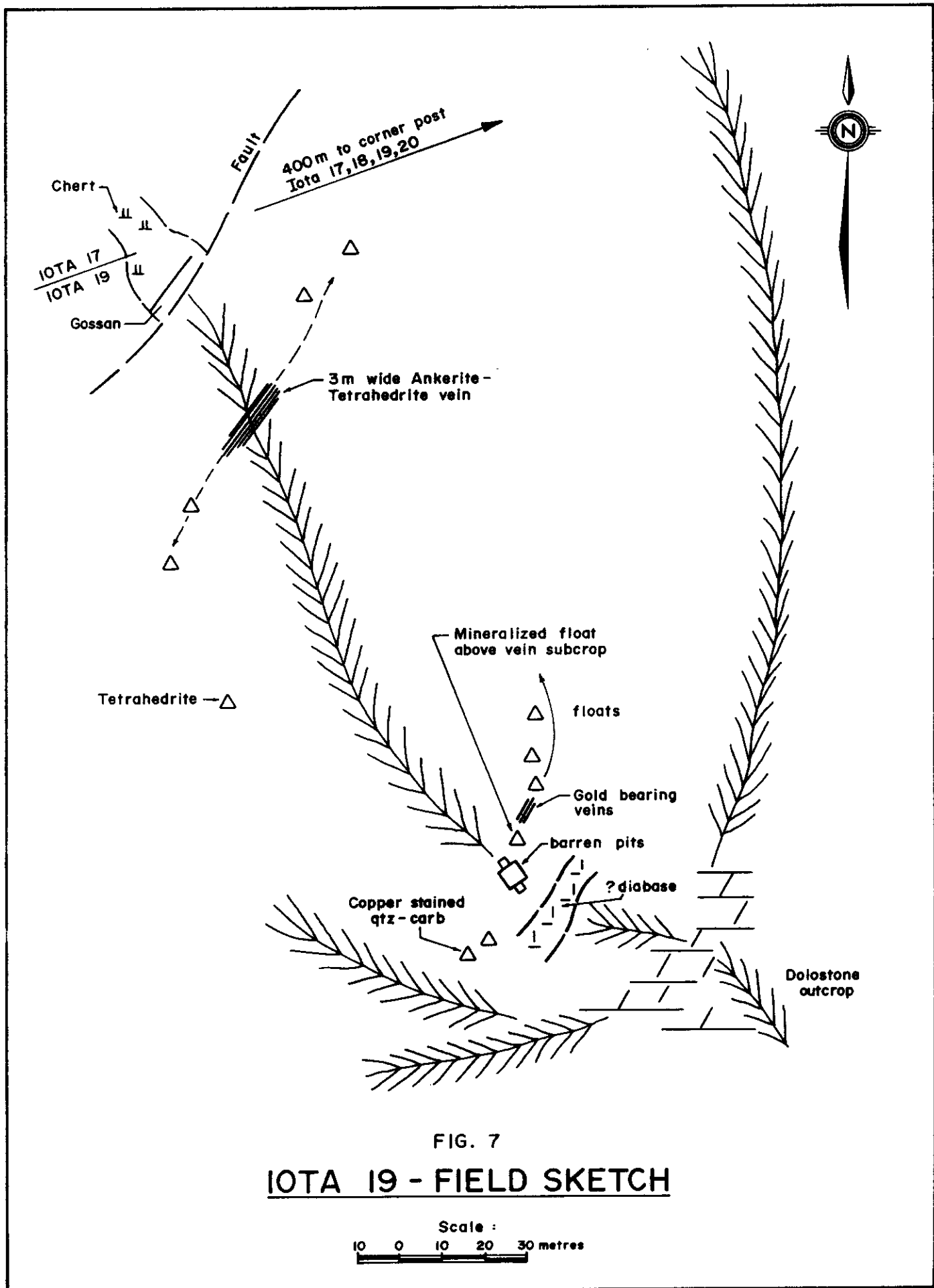


FIG. 7
IOTA 19 - FIELD SKETCH

Scale :
 10 0 10 20 30 metres

obtained from a talus fan on the northeast corner of Iota 2: it originated from an as yet undiscovered vein on Iota 2.

Some similarly stained material occurs in talus originated from the west-central part of Iota 19.

Assays of these veins are tabulated below:

<u>Number</u>	<u>Au</u> <u>ppm</u>	<u>Ag</u> <u>ppm</u>	<u>Cu</u> <u>%</u>	
10122	2.9	263	6.7	Float on talus Iota 19
10301	2.6	712	5.8	Float on talus Iota 2
10302	0.6	102	0.5	Float on talus Iota 18

Although some of the silver values appear spectacular, the host tetrahedrite could be spottily dispersed through a series of en-echelon veins. Also, the mineralized floats assayed above are so easy to spot and collect from the carbonate talus fans that there is a bias involved in sample collection.

Prospecting on other parts of the Iota group, and adjacent lands, revealed numerous other localities mineralized by tetrahedrite. Location and assay values are indicated on Figure 6.

A float from a valley now covered by Gollum 1 and 2 claims assayed:

	<u>Au/ppm</u>	<u>Ag/ppm</u>	<u>Cu</u>	<u>Co</u>
RL-7	17.1 (0.5 oz)	7198 (210 oz)	1.5%	1.5%

It is the only example found to date with both high gold and silver, however the vein appears no different to a typical ankerite-tetrahedrite vein.

Radioactivity was noted on Iota 12, 18. Hematized, rotted, fractured siliceous dolostones run as much as X30 background radioactivity over an area of several square metres. This zone is mainly covered by a grassy soil; pitting revealed soft readily dug material studded by pyrite, but no obvious origin of the radioactivity. Adjacent tougher rocks stand up as outcrops of fractured cherty dolostone veined by quartz-chalcopyrite and carrying siderite-tetrahedrite lenses a few centimeters wide.

The radioactivity resembles the innumerable hematized 'hot spots' found throughout Canada's Precambrian and is probably a result of radon leakage. Deep digging into fresh bedrock might reveal traces of yellow stain, or even a film of pitchblende.

Copper and Cobalt mineralization was found on Barb 1-4 claims, (Cu 1.3%, JH-89, Co +1%, JH-180).

VII. WORK RECOMMENDATION

Before any further work is attempted, the best available air photographs should be enlarged to yield a 1:5,000 base map so crews can establish exactly where they are located.

The general Iota area should be flown in July-August by enhanced colour airphotography to provide a top quality base map.

Prospectors should comb all the gullies and ridges of the Iota group both to locate the source to known floats, and establish further showings.

A trenching crew should blast a cut across the gold and silver showings on Iota 19 and Gollum 1, 2 to provide some idea of true widths, and grades.

If trenching is successful then a diamond drill should commence probing into the mountain to check depth-strike continuity of exposed veins.

VIII. AFFIDAVIT OF EXPENDITURES

14.

The following list represents invoice expenditures paid for the exploration program conducted on the Dolores Creek properties in 1981.

A) Exploration expenses per claim grouping:

Iota 1-20

21 man days x \$420/per deum	\$ 8 820.00
Helicopter time from Bear River	
Base Camp 17.3 hrs. x \$510/hr.	8 823.00
Assays for 93 Samples	<u>1 814.00</u>

Total expenditure claimed \$19 457.00

Barb 1-4

6 man days x \$420/per man day	\$ 2 520.00
Helicopter time from Bear River	
Base Camp 3.5 hrs x \$510/hr.	1 785.00
Assays for 11 samples	<u>218.00</u>

Total expenditures claimed \$ 4 523.00

\$ 23,980.00

B) Zelon's exploration expenses from June to December 31, 1981.

1. Cost of Assaying: (Samples Collected in 1981)

Jun. 20/81	Supplies, Bags & Chemicals	\$ 120.00
Aug. 19/81	Assay #81-0945 Acme	2029.50
Sep. 21/81	VGC #6503 Assay	165.50
Oct. 5/81	Bonder Clegg Assay	<u>620.00</u>
	Total	\$2935.00

For 143 rock assays at a average cost of \$20.50/sample rounded to \$20/sample.

Out of 143 rock samples: 70 were in the Iota Claim area and ten in the Barb claim area.

An additional 24 samples were assayed by Texaco Canada at an average cost of \$18/sample, distributed: 23 on the Iota claim area and one in the Barb area.

Iota Claim Area

70 samples x \$20/sample =	\$1400.00
23 samples x \$18/sample =	<u>414.00</u>
Assaying expense for 93 samples:	\$1814.00

Barb Claim Area

10 samples x \$20/sample =	\$ 200.00
1 sample x \$18/sample =	<u>18.00</u>
Assaying expense for 11 samples:	\$ 218.00

2. Helicopter Cost for June-July, 1981

June 1981 Mobilization, (10 hrs)			
x \$390/hr. =			\$ 3,900.00
June 1981 Fuel			447.15
June 1981 Related Costs			<u>152.13</u>
			\$ 4,499.28
June 26 to June 30, 9.5 hrs.			3,705.00
July 1 to July 18, 49 hrs.			19,198.53
July 19 to July 20, <u>43.6</u> hrs.			<u>17,082.16</u>
Total hours	102.10	Cost	\$44,484.97

White Pass Fuel Expenses

June 17 Jet fuel Inv.#264537 and drums			<u>7,630.25</u>
Total Cost			\$52,115.22

Hence total cost for 102.10 hrs. is \$52,115.22

Hence average hourly rate rounded to \$510.00

3. Field Personnel Salaries, Transportation and Camp Expenses:

1. Zelon's field personnel salaries 27 man days			\$ 4,500.00
2. Zelon's overhead & office expences			1,250.00
3. Project mobilization & truck rentals (Vancouver-Mayo-Whitehorse)			1,100.00

4.	Air North Transportation	
	Supplies, flight, fuel mobilization	\$ 890.00
5.	Equipment rentals (hand scintil-	
	lometers, tents, general camp equip)	600.00
6.	Camp supplies and food costs	
	June 26 to July 28, 1981	
	Prorated to 27 even days total	1,350.00
7.	Zelon's drafting expenses	<u>950.00</u>
		\$10,640.00

Hence per deum based on 27 man days on the project
\$425.60 rounded to \$420/man day.

Note: For the purpose of estimating costs of exploration work performed on the claim groups described in the following report by J.H. Hajek of Zelon Enterprises Ltd., Vancouver, B.C., certain averages have been calculated.

Man days Costs: The total of Zelon employees salaries together with mobilization costs, camp costs, geophysical equipment costs, drafting expenses and Zelon's office overhead were summarized, and then divided by 27 which represents the best estimate of the actual man days spent by Zelon personnel on this project. This gives us a per deum rate of (\$420.00).

Helicopter Cost: The actual billing rate, which includes helicopter hours as well as liability insurance and related cost connected with pilots expenses were summed together with White Pass jet fuel expenses, and then divided by

102.1 hours which represents the total hours flown by the Helicopter including 1/2 of mobilization and demobilization from Vancouver. This averages at \$510.00 per hour.

Each claim for the cost of work performed in any claim group represents a combination of a per diem rate, as well the cost of flying the men to and from the base camp at Bear River, hence whether the men went prospecting or mapping, they are charged at the same rate. It is appreciated that a considerable expense was incurred on helicopter travel, but this was inevitable as the helicopter is the efficient means of prospecting and ferrying people from camp to the claim areas.

Respectively submitted,



November 12, 1981
Zelon Enterprises Ltd.
Vancouver, B.C.

John H. Hajek,
Exploration Manager

CERTIFICATE

I, ROBERT J.C. MUNDAY of the City of Calgary
in the Province of Alberta,

DO CERTIFY THAT:

I am a Geologist, residing at:
443 Winterbourne Crescent, S.E., Calgary, Alberta T2J 1M1

I am a Registered Professional Geologist of the
Province of Alberta, and have been practising my profession
continuously since the year of 1966.

I personally directed the program which was
organized and managed by John H. Hajek of Zelon Enterprises,
Vancouver, British Columbia, and can vouch for the accuracy
of the attached Exploration Report - Year 1981 - on the
Bear River Properties, Wind River Area, Mayo Mining District,
Yukon Territory.



Robert J.C. Munday, Ph.D.

APPENDIX A

Supplement to Project Expenses

- 1.) Air North
- 2.) Helicopter Time Distribution
 - a) Iota 1-20 Claims
 - b) Barb 1-4 Claims

SUPPLEMENT TO PROJECT EXPENSES

1.) AIR NORTH

July 27, 1981	Inv. #7217	\$ 526.60
June 20, 1981	#9320	1688.78
June 27, 1981	#7590	568.80
June 26, 1981	#7589	2132.73
June 28, 1981	#7592	1053.20
June 29, 1981	#7594	1053.20
July 8, 1981	#7230	422.84
July 9, 1981	#7231	422.84
July 29, 1981	#7621	526.60
July 17, 1981	#7619	526.60
July 13, 1981	#7614	526.60
July 12, 1981	#7612	<u>526.60</u>

\$ 9975.39

SUPPLEMENT TO PROJECT EXPENSES

2.) HELICOPTER TIME DISTRIBUTION

a) IOTA 1-20 CLAIMS

June 27, 1981 #4358	1.5 hours
July 13, 1981 #4363	3.9 hours
July 15, 1981 #4374	3.6 hours
July 20, 1981 #4401	3.0 hours
July 21, 1981 #4402	2.9 hours
July 22, 1981 #4403	<u>2.4 hours</u>

TOTAL 17.3 hours to be applied to
Iota 1-20 Claims

b) BARB 1-4 CLAIMS

June 27, 1981 #4358	1 hour
July 14, 1981 #4364	1 hour
July 22, 1981 #4403	<u>1.5 hours</u>

TOTAL 3.5 hours to be applied to
Barb 1-4 Claims

APPENDIX B

- 1) Acme Analytical Laboratories Ltd.
File No. 81-0945 (7 pages) & Computer Print-outs (page 1-14)

File No. 81-1375 (1 page)

- 2) Bondar-Clegg & Company Ltd.
Report No. A21 - 1374 (1 page)

- 3) Loring Laboratories Ltd.
File No. 22183 (1 page)
File No. 22183-1 (1 page)
File No. 22217 (1 page)



To: Zelon Enterprises Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V6A 1R6

Telephone: 253 - 3158

File No. 81-0945

Type of Samples Rocks

Disposition

ASSAY CERTIFICATE

FIRE ASSAY

No.	Sample	Au oz/ton	Ag oz/ton						No.
1	JR 19	.001	.01						1
2	20	.008	.04						2
3	21	.001	.01						3
4	22	.001	.03						4
5	23	.009	.01						5
6	28	.001	.01						6
7	32	.001	.01						7
8	33	.001	.04						8
9	38	.047	76.60						9
10	40	.001	.10						10
11	JR 41	.001	.98						11
12									12
13	RL 1	.001	.58						13
14	2	.001	.01						14
15	3	.002	.05						15
16	4	.001	.01						16
17	5	.001	.01						17
18	6	.001	.01						18
19	RI 7	.384	228.00						19
20									20

All reports are the confidential property of clients.

DATE SAMPLES RECEIVED Aug. 5, 1981

DATE REPORTS MAILED Aug. 19, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Zelon Enterprises Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

Telephone: 253 - 3158

File No. 81-0945

Type of Samples _____

Disposition _____

ASSAY CERTIFICATE

FIRE ASSAY

6

No.	Sample	Au oz/ton	Ag oz/ton					No.
1	JH1 8	.001	.01					1
2	9	.001	.01					2
3	10	.002	.01					3
4	11	.008	.31					4
5	12	.001	.01					5
6	13	.002	.01					6
7	JH1 14	.001	.01					7
8								8
9	JP 25	.003	.01					9
10	45	.003	.01					10
11	JP 46	.011	.15					11
12								12
13	JR 5	.001	.01					13
14	11	.001	.01					14
15	13	.001	.01					15
16	15	.001	.08					16
17	16	.003	.07					17
18	JR 18	.001	.01					18
19								19
20								20

All reports are the confidential property of clients.

DATE SAMPLES RECEIVED Aug. 5, 1981

DATE REPORTS MAILED Aug. 19, 1981

ASSAYER

Dean Toye

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Zelon Enterprises Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

Telephone: 253 - 3158

File No. 81-0945

Type of Samples

Disposition

ASSAY CERTIFICATE

FIRE ASSAY

No.	Sample	Au oz/ton	Ag oz/ton					No.
1	JF 34	.001	.03					1
2	35	.001	.01					2
3	36	.001	.17					3
4	37	.001	.02					4
5	39	.001	.01					5
6	42	.001	.01					6
7	JF 43	.001	.01					7
8								8
9	JJF 8	.001	.04					9
10								10
11	JH1 1	.001	.01					11
12	2	.001	.01					12
13	2A	.001	.01					13
14	3	.001	.01					14
15	4	.001	.01					15
16	4A	.001	.01					16
17	5	.001	.01					17
18	6	.001	.01					18
19	7	.001	.01					19
20	JH1 7A	.001	.01					20

All reports are the confidential property of clients.

DATE SAMPLES RECEIVED Aug. 5, 1981

DATE REPORTS MAILED Aug. 19, 1981

ASSAYER

D. Toye

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Zelon Enterprises Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

Telephone: 253 - 3158

File No. 81-0945

Type of Samples Rock

Disposition

ASSAY CERTIFICATE

FIRE ASSAY

4

No.	Sample	Au oz/ton	Ag oz/ton						No.
1	MA 19	.004	.47						1
2	MA 20	.002	.03						2
3									3
4	JF 1	.001	.05						4
5	2	.001	.01						5
6	3	.002	.01						6
7	4	.001	.01						7
8	14	.001	.01						8
9	17	.002	.01						9
10	22	.014	.01						10
11	24	.001	.01						11
12	25	.013	.01						12
13	27	.023	1.65						13
14	29	.260	41.00						14
15	30A	.070	81.00						15
16	30B	.042	65.00						16
17	JF 31	.003	1.09						17
18									18
19									19
20									20

All reports are the confidential property of clients.

DATE SAMPLES RECEIVED Aug. 5, 1981

DATE REPORTS MAILED Aug. 19, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Zelon Enterprises Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

Telephone: 253 - 3158

File No. 81-0945

Type of Samples Rock

Disposition

ASSAY CERTIFICATE

FIRE ASSAY

3

No.	Sample	Au oz/ton	Ag oz/ton					No.
1	MF 21-81	.001	.01					1
2	22-81	.034	.01					2
3	26-81	.004	6.18					3
4	MF 27-81	.001	.23					4
5								5
6	MA 4	.001	.05					6
7	5	.003	.03					7
8	6	.001	.01					8
9	7	.002	.01					9
10	8	.001	.01					10
11	9	.011	.01					11
12	10	.004	.03					12
13	11	.003	.01					13
14	12	.001	.01					14
15	13	.002	.01					15
16	14	.007	.01					16
17	15	.001	.08					17
18	16	.001	.01					18
19	17	.073	68.00					19
20	MA 18	.037	37.00					20

All reports are the confidential property of clients.

DATE SAMPLES RECEIVED Aug. 5, 1981

DATE REPORTS MAILED Aug. 19, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Zelon Enterprises Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

Telephone: 253 - 3158

File No. 81-0945

Type of Samples Rock

Disposition

ASSAY CERTIFICATE

FIRE ASSAY

2

No.	Sample	Au oz/ton	Ag oz/ton						No.
1	RS 15	.001	.01						1
2	16	.002	.07						2
3	17	.001	.01						3
4	18	.001	.04						4
5	20	.009	2.46						5
6	21	.001	.01						6
7	22	.001	.03						7
8	23	.138	9.96						8
9	24	.023	.07						9
10	25	.001	.22						10
11	26	.002	.01						11
12	RS 27	.001	.02						12
13									13
14	JJR 6	.006	.01						14
15	7	.001	.01						15
16	9	.001	.01						16
17	10	.001	.01						17
18	JJR 12	.001	.01						18
19									19
20									20

All reports are the confidential property of clients.

DATE SAMPLES RECEIVED Aug. 5, 1981

DATE REPORTS MAILED Aug. 19, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Zelon Enterprises Ltd.,
904 - 510 W. Hastings St.,
Vancouver, B.C.

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

Telephone: 253 - 3158

81-0945

File No. _____

Type of Samples Rock

Disposition _____

ASSAY CERTIFICATE

FIRE ASSAY

No.	Sample	Au oz/ton	Ag oz/ton					No.
1	1-81 AEH	.001	.01					1
2	2-81 AEH	.001	.01					2
3	3-81 AEH	.001	.01					3
4	4-81 AEH	.001	.02					4
5	5-81 AEH	.001	.01					5
6	50-81 AEH	.002	.05					6
7	51-81 AEH	.001	.02					7
8	52-81 AEH	.001	.01					8
9	53-81 AEH	.001	.01					9
10	54A-81 AEH	.001	.01					10
11	54B-81 AEH	.001	.01					11
12	55-81 AEH	.001	.01					12
13	57-81 AEH	.003	.01					13
14	58-81 AEH	.020	5.05					14
15								15
16	RS 10	.001	.03					16
17	11	.008	.01					17
18	12	.001	.01					18
19	13	.001	.01					19
20	RS 14	.001	.01					20

All reports are the confidential property of clients.

* Fire Assay for Au and Ag

DATE SAMPLES RECEIVED Aug. 5, 1981

DATE REPORTS MAILED Aug. 19, 1981

ASSAYER _____

D. Toye
DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Zelon Chemicals Ltd.,
904 - 510 W. Hastings St.,
Vancouver, B.C.

Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
phone: 253 - 3158

File No. 81-1375

GEOCHEMICAL ASSAY CERTIFICATE

Type of Samples Rock & Pulps

FA

Disposition _____

SAMPLE No.	Ag	Au	Cu%	Ag oz/ton						
										1
										2
										3
										4
										5
										6
										7
										8
										9
										10
										11
										12
MA- 1	*	.030	31.60	1.03						13
2	.3	.050		.99						14
RS- 1	.1	.005								15
2	*	.315	26.10	.38						16
4	.1	.035								17
6	.1	.015								18
7	.7	.025	2.18							19
8	R .1	.095								20
										21
										22
										23
										24
										25
										26
										27
										28
										29
										30
										31
										32
										33
										34
										35
										36
										37
										38
										39
										40

- ICP

All reports are the confidential property of clients
All results are in PPM.
DIGESTION:.....
DETERMINATION:.....

DATE SAMPLES RECEIVED Sept. 17, 1981
DATE REPORTS MAILED Oct. 28, 1981
ASSAYER _____

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

ACME ANALYTICAL LABORATORIES LTD.

352 E HASTINGS ST. VANCOUVER, B.C. V6A 9R6
(604) 253-3153 TELEX 04-53124

ICP GEOCHEMICAL ANALYSES

=====

A .500 GRAM OF SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 NITRIC ACID TO HYDROCHLORIC ACID TO WATER AT 90 DEG. C FOR 1 HOUR. THE SAMPLE IS DILUTED WITH WATER TO 10.0 MLS. THE RESULTS ARE REPORTED IN PPM EXCEPT FOR : FE, CA, P, MG, BA, AND AL WHICH IS IN PERCENT. THIS LEACH IS PARTIAL FOR: CA, P, MG, AL, TI, LA, AND W. VERY LITTLE BA IS DISSOLVED. IS = INTERNAL STANDARD.

*

*O/MF 21-81 ZELON ENTERPRISES FILE# 31-0945 PAGE: 2
EGC

BURN #	1	GE16	12:43	18AUG81						
1340										
15	271	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As	
2343	7.7	134	21	1.10	44	193	1419	1.36	27	
11	3.0	296	1766	0.26	5.2	2.6	-2	1.1	0.07	
		70%	0.03	0.21	3.3	0.15	6.2	16	0.06	

*O/MF 22-81
EGC

BURN #	1	GE16	12:44	18AUG81						
1343										
3.6	19	111	7.7	1.19	3.7	13	3258	1.34	19	
2192	6.5	161	2022	1.1	1.9	36	11	2.3	0.11	
11	4.5	1.2	0.00	0.18	3.8	0.23	20	16	0.1	

*O/MF 26-81
EGC

BURN #	1	GE16	12:45	18AUG81						
1343										
0.3	9623	409	1098	92.5	2.1	1.4	1620	1.19	2474	
13	0.39	1.5	1562	7.8	2035	44	2.4	13	0.01	
2.2	5.9	6.9	0.00	0.00	10.0	0.03	108	19	4.7	

*O/MF 27-81
EGC

BURN #	1	GE16	12:46	18AUG81						
1343										
0.5	67	9343	2039	10.5	0.53	0.34	1060	0.635	480	
6.6	0.25	0.9	1585	11	56	16	1.3	13	0.01	
0.00	2.3	7.3	0.00	0.00	15	0.02	211	19	0.8	

*
*

O/RS23 (10X DILUTED)
EGC

BURN # 1	GE16	11:55		18AUG81						
1342										
15	17205	5.8	-3	4.87	4.6	3.7	40	.538	.50	
-.9	-.4	.22	1000	4.2	12	.45	13	.26	.05	
.60	1.00	.28	.00	.01	1.4	.21	6.3	2.8	3.8	

*O/RS24
EGC

BURN # 1	GE16	11:56		18AUG81						
1343										
48	2209	205	1.6	4.05	22	75	2124	1.44	72	
3117	9.2	24	1707	1.6	4.4	27	2.6	1.3	.10	
11	7.1	.59	.06	.23	12	.45	8.1	18	9.7	

*O/RS25
EGC

BURN # 1	GE16	11:53		18AUG81						
1342										
31	713	16	15	11	92	1916	3959	> 20.0	323	
24	-5	2.0	639	6.8	23	6.7	3.7	.15	.15	
21	-7	.79	.00	.00	-3	.13	4.9	12	3.3	

*O/RS245 (10X DILUTED)
EGC

BURN # 1	GE16	12:01		18AUG81						
1342										
2.7	69	1.9	1.4	.814	13	260	539	2.34	32	
2.4	-.6	.15	127	-.3	-.4	3.1	1.2	.02	.02	
2.0	.26	.12	.00	.00	2.3	.02	1.2	2.4	.13	

*O/RS26
EGC

BURN # 1	GE16	12:03		18AUG81						
1343										
146	106	.71	7.8	1.61	103	1551	4426	16.2	359	
12	-6	1.2	1059	-4	42	-3	-10	.12	.13	
3.7	-14	.66	.00	.00	-13	.18	4.1	8.8	3.2	

*O/RS27
EGC

BURN # 1	GE16	12:04		18AUG81						
1343										
5.0	37	1597	7.1	1.04	2.9	20	142	4.98	59	
-2	-2	2.1	193	-1	5.6	-.4	2.7	.02	.01	
15	-.9	.03	.04	.00	5.5	.13	4.4	3.9	.75	

:
*

0/RS17
EGC

BURN # 1 GE16 11:46 18AUG81
1343
-0.5 11 .59 12 .140 11 16 399 2.48 7.5
2.6 -0.7 11 1672 .35 -1 2.6 23 1.8 .09
14 1.9 .55 .03 .03 6.6 .23 17 6.1 .11

:
*0/R18
EGC

BURN # 1 GE16 11:47 18AUG81
1343
8.3 604 35 43 ~~56~~ 63 115 1128 > 20.0 ~~197~~
35 4.7 2.8 -3006 ~~66~~ ~~136~~ ~~43~~ ~~33~~ .06 .18
56 62 .04 .00 .00 71 .07 10 19 -.5

:
*0/R18 (10X DILUTED)
EGC

BURN # 1 GE16 11:50 18AUG81
1343
7.6 61 2.1 1.4 .173 10 13 170 4.62 11
3.5 -1 .33 130 -2 4.5 2.4 -1 .01 .02
.33 -1 .01 .00 .00 1.3 .01 .33 3.3 .34

:
*0/RS20 (10X DILUTED)
EGC

BURN # 1 GE16 11:51 18AUG81
1343
4.0 12249 33 .16 4.14 4.8 2.8 131 1.62 1.1
.95 -0.6 .26 83 2.5 7.5 15 4.8 .01 .03
.58 2.0 .14 .00 .01 1.7 .12 -.5 2.6 5.6

:
*0/RS21
EGC

BURN # 1 GE16 11:53 18AUG81
1343
5.4 322 2.2 1.5 .912 12 4.7 496 6.59 127
-2 -2 1.7 2102 .90 2.5 1.2 100 2.3 .97
34 .79 1.0 .00 .01 7.1 .11 3.6 9.7 2.4

:
*0/RS22
EGC

BURN # 1 GE16 11:54 18AUG81
1342
.10 2872 58 121 1.69 3.6 2.0 933 1.33 15
2.7 -0.1 .94 343 3.4 -10 12 8.3 12 .05
7.2 4.0 6.3 .00 .00 13 .09 13 19 4.0

:
*

0/54B-81-AEH
EGC

BURN #	1	GE16	11:28		18AUG81					
1343										
	7.6	396	1.6	4.1	.305	22	7.8	673	3.71	10
	-2	-.9	12	1421	.73	-.3	2.4	30	1.2	.09
	22	1.8	1.5	.00	.05	3.2	.84	23	5.7	.62

:
*0/55-81-AEH
EGC

BURN #	1	GE16	11:29		18AUG81					
1343										
	3.7	15	42	6.6	.660	7.2	14	3198	1.85	19
	740	1.9	57	1733	1.3	-2	6.7	2.4	3.4	.07
	10	2.9	1.8	.00	.06	4.7	.21	6.9	11	-.9

:
*0/57-81-AEH
EGC

BURN #	1	GE16	11:30		18AUG81					
1343										
	1.1	12	2.9	30	.525	140	471	355	6.69	43
	21	-2	5.0	623	.49	6.6	3.3	17	.16	.14
	2.4	-2	1.4	.00	.01	-.5	2.3	35	4.4	.68

:
*0/58-81-AEH
EGC

BURN #	1	GE16	11:30		18AUG81					
1342										
	-.9	9044	1638	412	83.7	1.3	2.2	963	.927	1689
	7.2	.26	.19	213	7.8	1808	48	2.0	13	.00
	1.2	4.8	7.1	.00	.00	6.2	.03	48	20	4.2

:
*0/STD M-2
EGC

BURN #	1	GE16	11:37		18AUG81					
1343										
	-.0	30	41	187	.263	38	16	834	2.47	11
	2.2	-.6	2.2	985	1.3	.49	3.1	60	.38	.11
	8.3	1.7	.57	.03	.09	7.9	1.6	83	4.6	.92

:
*0/RS10
EGC

BURN #	1	GE16	11:38		18AUG81					
1342										
	3.5	50	13	9.9	1.80	79	1312	1656	9.42	296
	.06	-2	7.7	1860	-.4	17	7.9	2.2	1.7	.07
	2.8	-4	.65	.00	.00	-6	.19	6.9	8.1	1.7

:
*

O/MA 16
EGC

BURN #	1	GE16	12:58	13AUG81						
1343										
32	139	36	9.7	.631	19	35	875	3.79	14	
524	.70	45	1944	.63	.97	3.4	19	1.3	.09	
224	1.7	.38	.00	.08	5.1	.51	22	17	2.2	

*O/MA 17 (10X DILUTED)
EGC

BURN #	1	GE16	12:59	13AUG81						
1343										
- .1	16200	5.2	1683	5.27	1.7	3.6	238	.331	22	
-2	-.2	.04	1438	9.7	500	41	.07	.52	.04	
.60	3.2	.39	.00	.00	.91	.00	46	3.0	7.8	

*O/MA 13 (10X DILUTED)
EGC

BURN #	1	GE16	13:00	13AUG81						
1343										
- .0	28322	15	1276	7.41	2.1	3.5	30	.495	297	
.32	-.7	-.0	193	11	402	199	.71	.03	.03	
.33	3.1	.02	.00	.00	1.2	.00	37	3.1	-.5	

*O/MA 19
EGC

BURN #	1	GE16	13:02	13AUG81						
1343										
3.2	1471	127	116	13.3	1.8	2.0	108	.259	75	
678	2.7	148	1353	1.0	540	22	1.1	.49	.14	
1.6	1.8	.05	.00	.09	1.5	.77	11	4.7	.26	

*O/MA 20
EGC

BURN #	1	GE16	13:03	13AUG81						
1343										
.01	117	134	17	1.10	5.2	2.3	315	.667	17	
802	2.3	29	1897	.99	24	5.7	30	1.3	.37	
371	2.6	.43	.00	.32	4.4	.82	38	15	.33	

*O/STD M-2
EGC

BURN #	1	GE16	13:10	13AUG81						
1342										
.89	30	36	132	.233	38	16	337	2.43	9.3	
2.3	-.5	2.0	1173	1.3	-.4	2.4	57	.37	.11	
3.6	1.6	.56	.03	.09	3.8	1.6	73	4.2	.96	

*

0/JF 22
EGC

BURN #	1	GE16	13:17	18AUG81						
1342										
-1	16	660	40	3.21	83	28	1694	1.88	60	
12873	38	941	1375	3.6	4.8	41	18	.73	.03	
34	16	1.7	.01	.68	19	1.4	74	60	-3	

:
*0/JF 24
EGC

BURN #	1	GE16	13:19	18AUG81						
1342										
1.2	15	5.7	14	.472	22	18	1837	2.33	6.6	
98	-.3	10	1746	1.3	-4	7.6	33	5.1	.04	
31	3.6	3.5	.01	.03	14	.24	26	12	.51	

:
*0/JF 25
EGC

BURN #	1	GE16	13:20	18AUG81						
1342										
3.6	31	14	13	2.13	4.1	3.4	1509	11.4	28	
13	-3	2.7	2213	3.3	25	.46	35	4.3	.41	
13	-2	2.0	.00	.01	5.6	.11	8.5	13	4.9	

:
*0/JF 27
EGC

BURN #	1	GE16	13:20	18AUG81						
1342										
17	4134	6.7	358	62.1	6.5	3.8	5962	19.2	224	
9.1	-7	.83	1630	.20	1790	-1	-14	.31	.34	
12	-13	1.9	.00	.00	-10	.06	20	10	2.8	

:
*0/JF 29
EGC

BURN #	1	GE16	13:21	18AUG81						
1342										
-8	16494	63	881	15.3	18	12	4834	20.0	2233	
33	3.4	1.5	-111	.48	1676	148	35	.78	.07	
45	36	.68	.00	.00	39	.11	66	16	9.4	

:
*0/JF 30A (10X DILUTED)
EGC

BURN #	1	GE16	13:23	18AUG81						
1342										
-.1	24041	10	2022	3.35	3.3	16	162	.766	299	
.82	-.5	.14	80	13	256	172	-.1	.02	.06	
.16	3.1	.04	.00	.00	2.5	.00	62	2.5	10	

:
*

0/JF 30B (10X DILUTED)
EGC

BURN # 1 GE16 13:24 18AUG81

1343

.16	22613	10	1800	3.24	1.9	4.5	32	.609	414
.63	-.5	.17	13	12	460	302	-.3	.00	.06
.29	3.1	.01	.00	.00	2.3	.00	41	2.3	10

*0/JF 31
EGC

BURN # 1 GE16 13:26 18AUG81

1343

3.4	4785	13	330	41.6	235	46	442	6.04	538
-3	-2	1.2	2105	1.8	1931	137	29	1.5	.21
13	2.6	1.1	.00	.00	21	.31	40	7.0	.90

*0/RE: MA 6
EGC

BURN # 1 GE16 13:28 18AUG81

1342

15	18	11	3.5	.625	7.7	7.5	55	8.60	21
-2	-3	1.4	648	-3	17	-2	-.5	.08	.27
20	-6	.02	.02	.01	1.8	.03	3.7	6.5	7.8

*
*

O/ JF 37 (DILUTED 10X)
EGC

BURN # 1	GE16	14:06	18AUG81							
1343										
1.2	41	.26	1.5	.207	31	184	869	3.71	26	
2.5	-1	.14	177	-.4	1.5	2.7	5.0	.02	.01	
1.8	.81	.57	.00	.00	3.9	.03	1.1	2.3	.07	

*HO/ JF 39
EGC

BURN # 1	GE16	14:07	18AUG81							
IS										
1343										
MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	
3.1	160	2.3	13	.590	16	18	1635	3.49	12	
U	IS	TH	IS	CD	SB	BI	V	CA	P	
-.1	-.3	10	2175	1.4	-1	3.2	28	3.1	.08	
LA	IN	MG	BA	TI	B	AL	IS	IS	W	
14	3.0	1.3	.01	.00	4.7	.34	11	7.0	.99	

*HO/ JF 42
EGC

BURN # 1	GE16	14:11	13AUG81							
1342										
6.6	2474	3.9	-2	.164	6.9	15	75	6.63	7.8	
1.5	-2	3.7	806	-1	2.9 2	-2	34	.14	.10	
20	-2	.06	.02	.05	11	.37	11	4.2	3.3	

*O/ JF 43
EGC

BURN # 1	GE16	14:11	18AUG81							
1342										
3.8	133	2.4	5.8	.983	83	276	38	2.68	19	
4.2	-.5	17	451	-.1	35	3.9	1.5	.08	.10	
2.4	.26	.01	.01	.00	6.7	.17	7.0	1.7	.42	

*O/ JJF 8
EGC

BURN # 1	GE16	14:12	18AUG81							
1342										
7.6	12717	13	55	2.03	48	50	1369	9.94	14	
-3	-3	15	1926	5.2	20 3	.26	66	1.1	.09	
105	-2	1.6	.01	.01	2.1	2.2	47	13	8.9	

*O/ JHI 1
EGC

BURN # 1	GE16	14:14	13AUG81							
1342										
.91	47	6.9	14	.248	45	32	321	3.45	5.0	
-2	-.6	13	1706	1.1	.58	3.7	46	.90	.09	
29	1.3	2.4	.01	.04	4.9	1.4	36	5.6	.83	

*
:

*HO/ RL 7 (DILUTED 10X)
EGC

BURN # 1 GE16 15:18 13AUG81

IS
1341

MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS
.84	14989	7.8	1329	3.80	1.4	2.5	1838	1.64	178
U	IS	TH	IS	CD	SS	BI	V	CA	P
2.8	-.2	-.2	63	12	224	517	-1	.01	.03
LA	IN	MG	BA	TI	S	AL	IS	IS	W
1.3	2.7	.52	.00	.00	4.3	.01	19	2.1	3.9

:
*HO/ RE: JR 32
EGC

BURN # 1 GE16 15:19 13AUG81

1342

9.7	298	29	49	2.59	197	201	1199	3.90	43
2.3	-2	1.5	2194	9.3	-.7	3.6	72	6.3	.03
24	4.3	5.1	.01	.01	7.5	2.1	63	15	2.6

:
*

HO/ JR 33 (DILUTED 10X)
EGC

BURN # 1 GE16 15:01 18AUG81

IS

1341

MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS
.37	21585	9.3	1508	4.44	4.5	4.8	124	1.11	339
U	IS	TH	IS	CD	SB	BI	V	CA	P
-.3	-.5	.06	267	12	447	180	-.5	.04	.05
LA	IN	NG	BA	TI	S	AL	IS	IS	W
.71	3.2	.03	.00	.00	2.4	.01	10	1.8	9.9

*HO/ JR 40
EGC

BURN # 1 GE16 15:03 18AUG81

1341

12	523	4.2	29	3.92	9.3	8.0	511	7.70	40
-2	-2	3.9	1525	-.9	211	4.7	30	.56	.09
44	-2	.21	.00	.06	5.6	.12	9.5	6.3	2.7

*O/ JR 41
EGC

BURN # 1 GE16 15:03 18AUG81

1341

7.4	3620	6.0	191	36.6	26	1341	380	7.70	237
-2	-1	9.1	2132	2.4	1297	62	16	1.8	.03
12	1.5	.85	.00	.00	6.1	.57	14	6.9	1.9

*O/ RL 1
EGC

BURN # 1 GE16 15:05 18AUG81

1342

.91	196	49271	224	21.4	5.6	13	51	.528	-70
-1	-.2	7.4	625	.76	69	11	2.8	.11	.06
15	.38	.11	.01	.00	15	.29	11	1.3	.07

*O/ RL 1 (DILUTED 10X)
EGC

BURN # 1 GE16 15:08 18AUG81

1342

.11	20	4805	23	2.15	.70	1.2	5.6	.053	-5
-.2	.01	.70	76	.04	6.7	1.6	.34	.01	.01
1.5	.08	.01	.00	.00	1.7	.03	1.6	.56	-.1

*O/ RL 2
EGC

BURN # 1 GE16 15:09 18AUG81

1342

-.3	106	304	9.2	.417	2.5	6.7	534	.577	10
353	2.0	30	2283	1.6	3.3	6.0	59	2.9	.00
593	3.4	.43	.00	.42	4.5	.61	285	20	-1

*

MO/ JR 22
EGC

BURN #	1	GE16	14:54	18AUG81						
IS										
1342										
MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	
6.6	14087	8.4	1.8	1.26	20	25	1009	2.58	5.7	
U	IS	TH	IS	CD	SB	BI	V	CA	P	
12	-0.6	13	1808	3.7	22	13	7.0	.98	.10	
LA	IN	MG	BA	TI	B	AL	IS	IS	W	
34	2.5	.71	.00	.01	5.2	.56	5.5	5.9	6.3	

*MO/ JR 23
EGC

BURN #	1	GE16	14:55	18AUG81						
1342										
23	255	7.8	12	1.91	113	329	198	<u>17.7</u>	35	
-0.6	-6	5.6	306	-2	57 5	-7	23	.05	.07	
24	-16	.72	.00	.00	-6	1.3	25	3.2	3.1	

*O/ JR 28
EGC

BURN #	1	GE16	14:56	18AUG81						
1342										
16	33	13	23	4.61	10	3.4	6491	<u>15.1</u>	34	
17	-4	1.1	2111	14	28 2	3.6	3.7	4.1	.03	
25	2.9	5.0	.00	.00	-5	.05	4.9	15	1.4	

*O/ JR 32
EGC

BURN #	1	GE16	14:56	18AUG81						
1342										
9.7	298	28	50	2.61	199	203	1214	9.00	42	
3.2	-2	1.6	1951	10	1.3	3.5	75	6.4	.03	
21	4.5	5.2	.01	.01	6.8	2.1	68	15	2.1	

*O/ JR 33
EGC

BURN #	1	GE16	14:57	18AUG81						
1342										
1.1	<u>8127</u>	7.3	10	1.85	11	109	1647	3.05	14	
6.2	-0.3	.63	925	5.9	.33	11	7.1	11	.01	
7.8	4.8	6.0	.00	.00	7.0	.03	-2	17	7.7	

*O/ JR 33 (DILUTED 10X)
EGC

BURN #	1	GE16	15:00	18AUG81						
1342										
.01	797	.22	.02	.085	2.0	15	232	.375	-.9	
-4	-.0	-.0	1923	.31	1.2	3.0	.53	1.3	.00	
.53	.24	1.0	.00	.00	1.5	.00	.66	2.4	.56	

*

HO/ JHI 11
EGC

BURN # 1 GE16 14:28 18AUG81

IS										
1342										
MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	
23	3120	6.0	2.2	12.2	19	39	78	5.99	108	
U	IS	TH	IS	CD	SB	BI	V	CA	P	
12	-2	4.5	316	-.5	21 15	14	-3	.03	.05	
LA	IN	MG	BA	TI	B	AL	IS	IS	W	
3.3	-.2	.08	.02	.00	20	.14	5.1	3.1	1.9	

*HO/ JHI 12
EGC

BURN # 1 GE16 14:29 18AUG81

1342										
1.7	613	.06	1.4	.428	6.9	14	1422	1.21	12	
-.5	-.3	11	1710	.34	.04	3.0	.47	.39	.01	
7.1	.77	.43	.01	.00	33	.06	4.6	2.7	-.5	

*O/ JHI 13
EGC

BURN # 1 GE16 14:30 13AUG81

1342										
3.4	17	4.5	11	.297	9.8	7.3	49	4.64	5.7	
-.0	-1	9.5	939	-.1	3.1	.49	13	.20	.17	
10	.61	.28	.06	.02	9.3	.86	9.4	3.5	.03	

*O/ JHI 14
EGC

BURN # 1 GE16 14:30 18AUG81

1342										
4.8	20	2.9	4.5	.122	5.8	2.5	349	3.52	4.7	
1.1	-.9	2.4	1392	.00	.64	.92	12	.50	.01	
8.7	1.7	.36	.06	.00	7.2	.04	6.3	3.2	.43	

*O/ STD:M-2
EGC

BURN # 1 GE16 14:32 18AUG81

1342										
1.3	30	40	183	.312	38	16	767	2.48	11	
.96	-.5	2.3	1262	1.7	-.7	1.9	59	.37	.11	
10	1.6	.58	.03	.09	11	1.6	74	3.6	1.3	

*O/ JP 25
EGC

BURN # 1 GE16 14:33 18AUG81

1342										
3.3	940	28	27	1.27	17	16	884	4.85	23	
1.6	-1.0	5.4	2125	3.1	.25	7.1	24	4.2	.07	
19	3.8	3.0	.03	.01	19	.47	13	9.6	2.0	

0/ JHI 2
EGC

BURN # 1	GE16	14:18		13AUG81						
1342										
.64	50	4.3	9.0	.270	27	19	513	3.00	6.3	
.13	-.6	13	1928	1.3	.38	3.3	42	1.5	.07	
24	2.0	2.0	.01	.04	6.3	.89	39	5.8	.34	

*HO/ JHI 2A
EGC

BURN # 1	GE16	14:19		13AUG81						
IS										
1342										
MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	
.91	6.2	3.9	9.5	.253	34	23	228	3.35	5.2	
U	IS	TH	IS	CD	SB	BI	V	CA	P	
1.7	-.7	15	1606	.88	-1	2.7	50	.70	.08	
LA	IN	MG	BA	TI	B	AL	IS	IS	W	
21	1.6	1.3	.01	.04	4.4	1.1	47	4.7	.76	

*HO/ JHI 3
EGC

BURN # 1	GE16	14:20		13AUG81						
1342										
.92	5.8	3.5	9.4	.163	26	20	488	2.80	5.4	
-1	-.6	13	1864	1.2	-2	3.8	41	1.5	.03	
29	1.1	2.1	.01	.04	4.7	.89	36	6.0	.74	

*0/ JHI 4
EGC

BURN # 1	GE16	14:21		13AUG81						
1342										
3.2	27	14	23	.393	16	31	190	<u>5.84</u>	13	
1.5	-2	7.3	847	-.3	4.9 2	.04	12	.17	.11	
8.3	-2	.46	.01	.00	5.2	1.3	14	3.8	.70	

*0/ JHI 4A
EGC

BURN # 1	GE16	14:21		13AUG81						
1342										
2.7	23	11	24	.666	14	31	182	<u>5.25</u>	11	
-1	-1	6.8	884	-.2	3.8 2	.25	10	.13	.11	
8.7	-.5	.39	.01	.00	6.8	1.2	13	3.5	.64	

*0/ JHI 5
EGC

BURN # 1	GE16	14:22		13AUG81						
1342										
2.5	6.4	3.2	13	.238	9.2	7.0	96	4.65	5.2	
-.6	-1	9.1	991	.25	2.4	.89	13	.22	.14	
10	.45	.34	.04	.02	7.0	.92	10	3.5	.37	

:
*

*HO/ JHI 6
EGC

BURN # 1 GE16 14:23 18AUG81

IS
1342

MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS
1.5	4.6	.97	.77	.021	.96	1.9	73	1.46	.10
U	IS	TH	IS	CD	SB	BI	V	CA	P
5.3	-.4	.19	601	-.2	-.0	1.0	.77	.12	.02
LA	IN	MG	BA	TI	3	AL	IS	IS	W
1.5	3.1	.07	.19	.00	3.0	.02	1.5	1.3	-.5

*HO/ JHI 7
EGC

BURN # 1 GE16 14:24 13AUG81

1342

1.3	13	16	3.1	.373	16	9.5	33	2.90	4.8
2.0	-.7	12	408	.14	.55	4.7	14	.07	.08
4.4	.83	.45	.03	.01	7.0	.72	13	2.0	.61

*O/ JHI 7A
EGC

BURN # 1 GE16 14:25 13AUG81

1342

1.6	30	10	10	.214	19	17	47	2.79	4.7
1.5	-.6	13	480	.14	1.3	3.8	12	.08	.08
5.3	.11	.51	.03	.01	13	.74	13	2.1	.47

*O/ JHI 8
EGC

BURN # 1 GE16 14:26 13AUG81

1342

1.5	75	5.6	24	.267	30	22	1233	2.58	17
7.5	-.6	12	1048	.57	-.0	3.0	23	.29	.10
25	4.8	.96	.28	.01	15	1.1	17	4.0	-.7

*O/ JHI 9
EGC

BURN # 1 GE16 14:26 18AUG81

1342

1.4	.86	3.3	18	.137	24	17	1084	2.51	9.3
4.1	-.6	11	1021	.40	.11	2.7	23	.26	.08
26	3.6	.75	.16	.01	9.8	.88	15	3.7	-.1

*O/ JHI 10
EGC

BURN # 1 GE16 14:27 13AUG81

1342

-.1	7.5	2.5	7.0	.268	13	6.1	1743	1.16	5.8
.67	-.3	5.6	2251	1.2	-4	7.2	9.4	<u>5.3</u>	.04
3.5	3.2	3.4	.11	.01	14	.14	10.0	9.0	-.3

*

To: Zelon Enterprises Ltd.

Oct 7 1981

REPORT NO. A21 - 1374

PAGE No. 1

BONDAR-CLEGG & COMPANY LTD.

DATE: October 4, 1981

904 - 510 West Hastings Street
VANCOUVER, B.C. V6B 1L8

CERTIFICATE OF ASSAY

Samples submitted: September 4, 1981
Results completed: October 4, 1981

PROJECT: NONE GIVEN

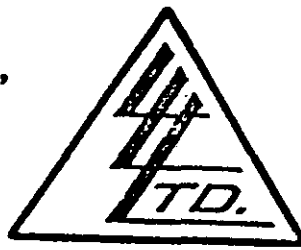
I hereby certify that the following are the results of assays made by us upon the herein described.....pulp.....samples

MARKED	GOLD		SILVER		Pt oz/Ton	Pd oz/Ton					
	Ounces per Ton	Grams per Metric Ton	Ounces per Ton	Grams per Metric Ton	PERCENT	PERCENT	Percent	Percent	Percent	Percent	Percent
RS - 23	0.13		9.14		<0.002		0.004				
JF - 27	0.040		1.74		<0.002		<0.002				
29	0.31		40.40		<0.002		<0.002				
30A	0.080		80.70		<0.002		<0.002				
30B	0.080		62.80		<0.002		<0.002				
MA - 17	0.097		67.50		<0.002		<0.002				
18	0.040		33.30		<0.002		<0.002				
JR - 38	0.040		67.00		<0.002		<0.002				
RL - 7	0.50		210.90		<0.002		<0.002				
58-81-AEH	0.010		4.79		<0.002		<0.002				

NOTE:
Rejects retained three weeks
Pulps retained three months
unless otherwise arranged.


Registered Assayer, Province of British Columbia

To: TEXACO CANADA RESOURCES LIMITED,
23rd Flr., 605 - 5th Avenue S.W.,
Calgary, Alberta T2P 3H5



File No. 22183
 Date September 18, 1981
 Samples Rock

ATTN: Chris Broadbent

Certificate of
ASSAY of
LORING LABORATORIES LTD.

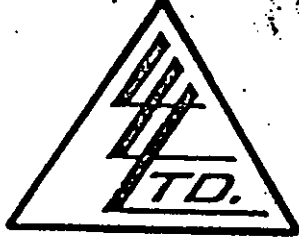
SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu	% Pb	% Zn	% Co	% MoS2	Chemical % U3O8
<u>"Rock Samples"</u>								
10114	.010	.12	-	-	-	-	-	-
10115	8.260	3.32	-	-	-	-	-	-
10116	12.940	2.60	5.89	21.17	5.50	Trace	.007	-
10117	6.940	2.58	4.99	15.33	16.71	Trace	.005	-
10118	.040	.12	-	-	-	-	-	.085
10119	.020	.20	-	-	-	-	-	.094
10120	.010	.18	-	-	-	-	-	.035
10121-1	3.980	2.46	4.75	-	-	Trace	-	-
10121-2	4.300	2.62	6.06	-	-	Trace	-	-
10122	.090	8.23	6.74	-	-	Trace	-	-
10123	.100	35.94	12.28	-	-	.01	-	-
10124	.070	1.23	1.53	-	-	.01	-	-
10125	.020	2.46	.91	-	-	Trace	-	-
10301	.080	22.24	5.79	-	-	.01	-	-
10302	.020	3.18	.52	-	-	.01	-	-
10303	.030	30.46	9.98	-	-	.01	-	-
10304	.020	.24	.03	-	-	.01	-	-
10305	.020	.54	-	-	-	-	-	-
10306	.020	.12	-	-	-	-	-	2.98

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

A. J. [Signature]
 Assayer

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

To: TEXACO CANADA RESOURCES LIMITED,
23rd Flr., 605 - 5th Avenue S.W.,
Calgary, Alberta T2P 3H5



File No. 22183-1
 Date September 30, 1981
 Samples Rock

ATTN: Chris Broadbent

**Certificate of
 ASSAY of
 LORING LABORATORIES LTD.**

SAMPLE No.	Z Bi
<u>"Rock Samples"</u>	
10114	Trace
10115	.10
10116	.05
10117	.04
10121-1	.04
10121-2	.09
10118	Trace
10119	.01
10120	Trace
10122	.04
10123	.30
10124	.02
10125	.03
10301	.05
10302	.01
10303	.02
10304	Trace
10305	.01
10306	Trace

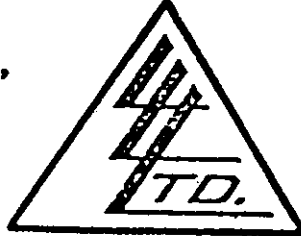
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

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

P. E. [Signature]

Assayer

To: TEXACO CANADA RESOURCES LIMITED,
 23rd Flr., 605 - 5th Avenue S.W.,
 Calgary, Alberta T2P 3H5



File No. 22217
 Date September 18, 19
 Samples Rock

ATTN: Chris Broadbent

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu	% Co	% Sn	% WO3	% Bi	% Sb
"Rock Samples"								
10313	.010	.06	.05	Trace	.003	-	-	-
10314	27.020	2.96	3.73	-	.006	-	-	6.60
10315	.320	.30	1.26	Trace	.012	.002	-	1.25

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.

Chris Broadbent
 Assayer










LEGEND

Abbreviations

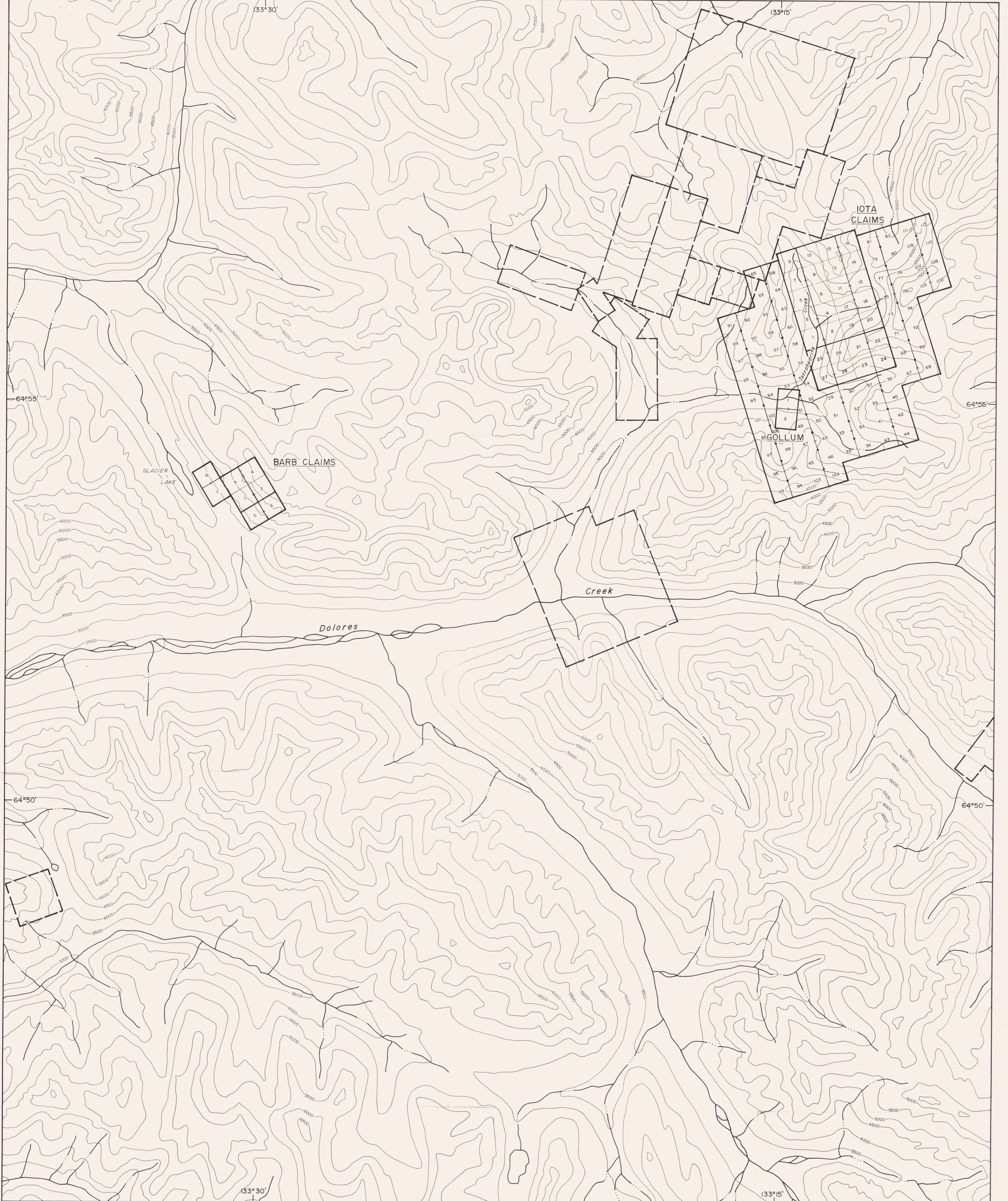
Ag.....	Silver
As.....	Arsenic
Au.....	Gold
Bi.....	Bismuth
Co.....	Cobalt
Cu.....	Copper
Mo.....	Molybdenum
Pb.....	Lead
Sb.....	Antimony
U.....	Uranium
Zn.....	Zinc

CPS.....	counts per second
ppm.....	parts per million

Symbols

	Topographic contour (100 ft.)
	Claim boundary
	Station
	Campsite
	Traverse
	Dip and strike
	Fault
	Lake
	River

BEAR RIVER AND DOLORES CREEK AREA



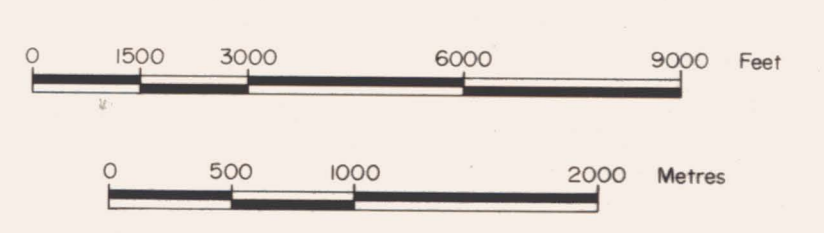
LEGEND

- Topographic contour (500 ft.)
- Claim Boundary
- Claims by others
- Legal Claim Post
- Streams and rivers
- Intermittent

IOTA GROUP			
Claim Name	Date Recorded	Grant Number	Anniversary Date
IOTA 1-20	17/11/80	YA43419-43438	
IOTA 21-28	17/07/81	YA63112-63119	
IOTA 29-92	08/10/81	YA76265-76328	
IOTA 93-112	13/10/81	YA76329-76348	

BARB GROUP		
Claim Name	Date Recorded	Grant Number
BARB 1-4	17/11/80	YA43419-43418
BARB 5-8	13/10/81	YA76349-76352

GOLLUM GROUP		
Claim Name	Date Recorded	Grant Number
GOLLUM 1-2	28/07/81	YA63416-63417



ZELON ENTERPRISES LTD.
Geological Services



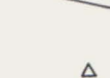





**DOLORES CREEK AREA
CLAIM LOCATIONS
(Map No. 1)**

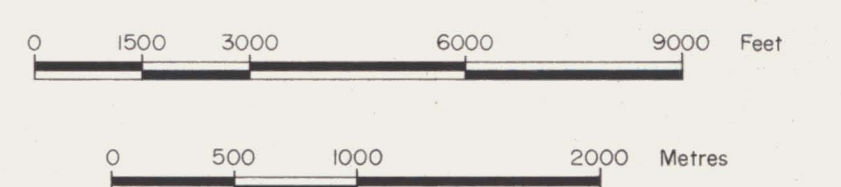
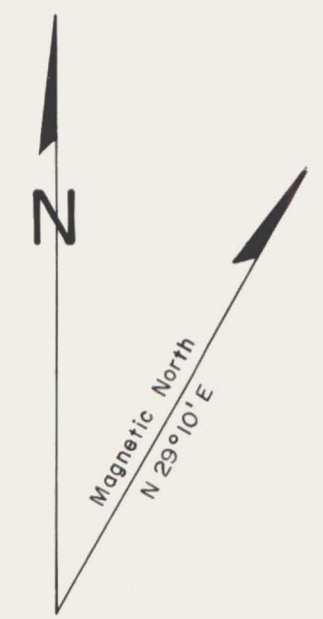
DATE: NOVEMBER 1981 DWN. BY: J.E. SCALE: 1" = 1/2 mile
 APPROVED BY: J.H.H. N.T.S.: 106-C-13 DWG. NO.: TY-3-1030

C68060



LEGEND

-  Topographic contour (500 ft.)
-  Claim Boundary
-  Station
-  Traverse
-  cps. Counts per second
-  Safety barrel
-  Streams and rivers
-  Intermittent



**DOLORES CREEK AREA
SAMPLE LOCATIONS
(Map No. 2)**

DATE: SEPTEMBER 1981 DWN BY: J.E. SCALE: 1" = 1/2 mile
 APPROVED BY: J.H.H. N.T.S.: 106-C-13 106-C-14 DWG NO.: TY-3-1031

133° 18.6'
64° 58.75'

N.T.S. 106C/14

133° 09.7'
64° 58.75'



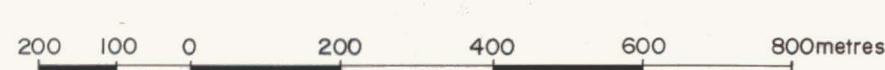
64° 53.25'
133° 18.6'

64° 53.25'
133° 09.7'

**IOTA AND GOLLUM CLAIMS
YUKON TERRITORY**

SCALE: 1:10,000

81-08

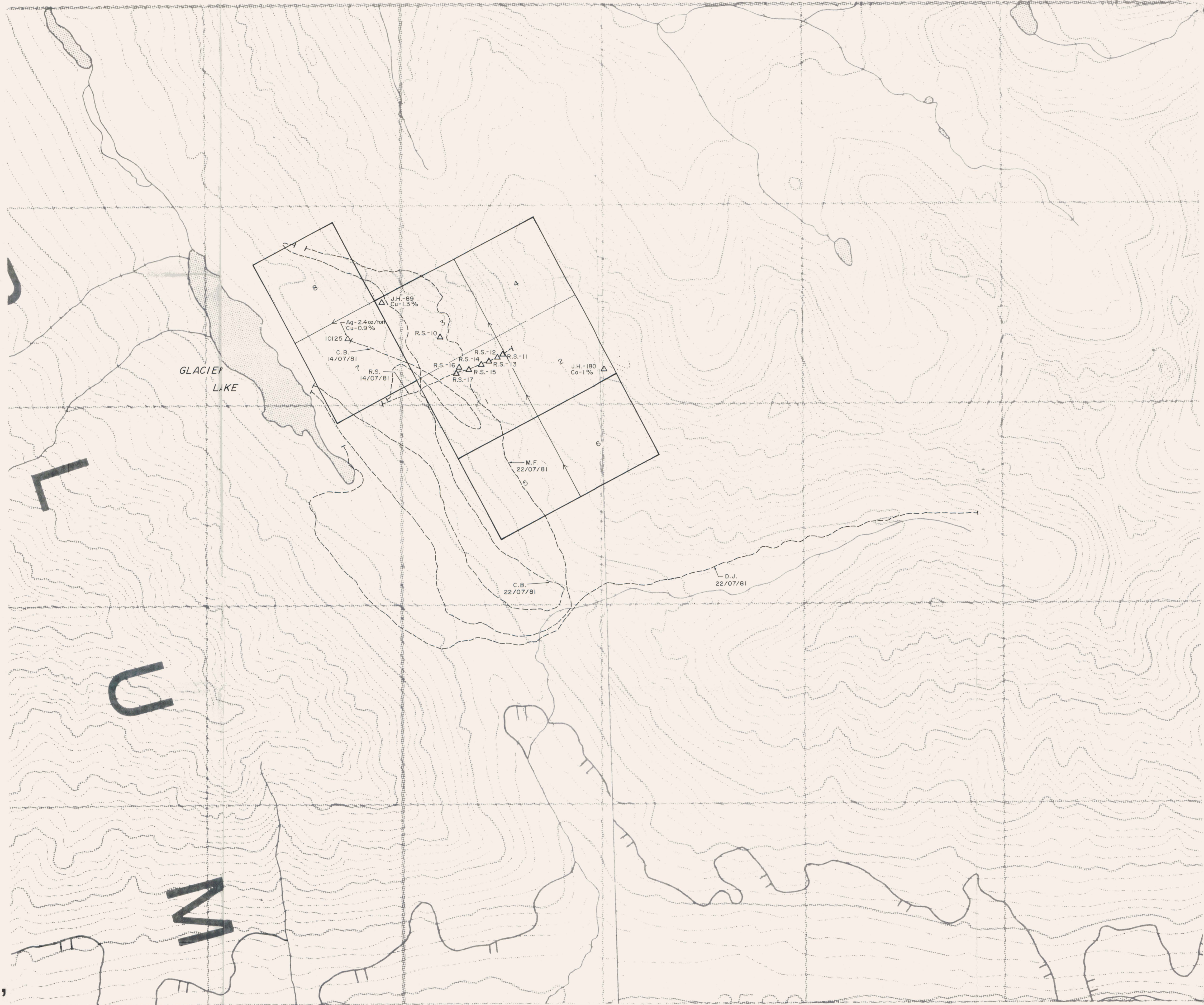


0308050

IOTA AND
GOLLUM CLAIMS
MAP No. 3
TY-3-1032

133° 34.25'
64° 55.01'

133° 26.7'
64° 55.01'



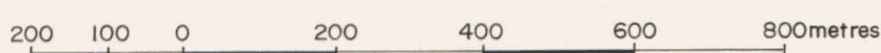
Y
U
K
O
N

64° 52.4'
133° 34.25'

64° 52.4'
133° 26.7'

**BARB CLAIMS
YUKON TERRITORY**

SCALE: 1:10,000



81-08

068060