

GEOLOGICAL, PROSPECTING AND GEOCHEMICAL SURVEYS  
ON THE GETTY #4 GROUP

HIGHLAND VALLEY AREA

KAMLOOPS MINING DIVISION, B.C.

NTS 92 I/11E

LATITUDE: 50° 34'  
LONGITUDE: 121° 02'

LOG NO: 08-28	RD
ACTION:	
FILE NO:	

PREPARED FOR  
JOHN LEPINSKI  
2520 ASHURST AVE  
COQUITLAM, B.C.  
V3K 5T4

BY

GOWER THOMPSON & ASSOCIATES LTD.  
#201-615 8TH STREET  
NEW WESTMINSTER, B.C.  
V3M 5T5

JULY 25, 1990

S.C. GOWER  
B. Sc., F.G.A.C.

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

20,233

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Appendix A - Assay Results

STATEMENT OF COSTS

Stephen C. Gower (Geologist)	
June 7, 8, 1½ Days @ 200	\$ 300.00
Elaine M. Thompson (Geological Technician)	
June 7, 8, 1½ Days @ 125	\$ 187.00
Motels	\$ 75.00
Food	\$ 60.00
Assays 15 silts (Cu, Ag) @ \$11.00	\$ 165.00
Truck Rental 1½ days @ \$70.00/day	\$ 105.00
Gasoline	\$ 32.00
	Total
	\$ 924.00
Amount claimed as per filing	\$ 924.00

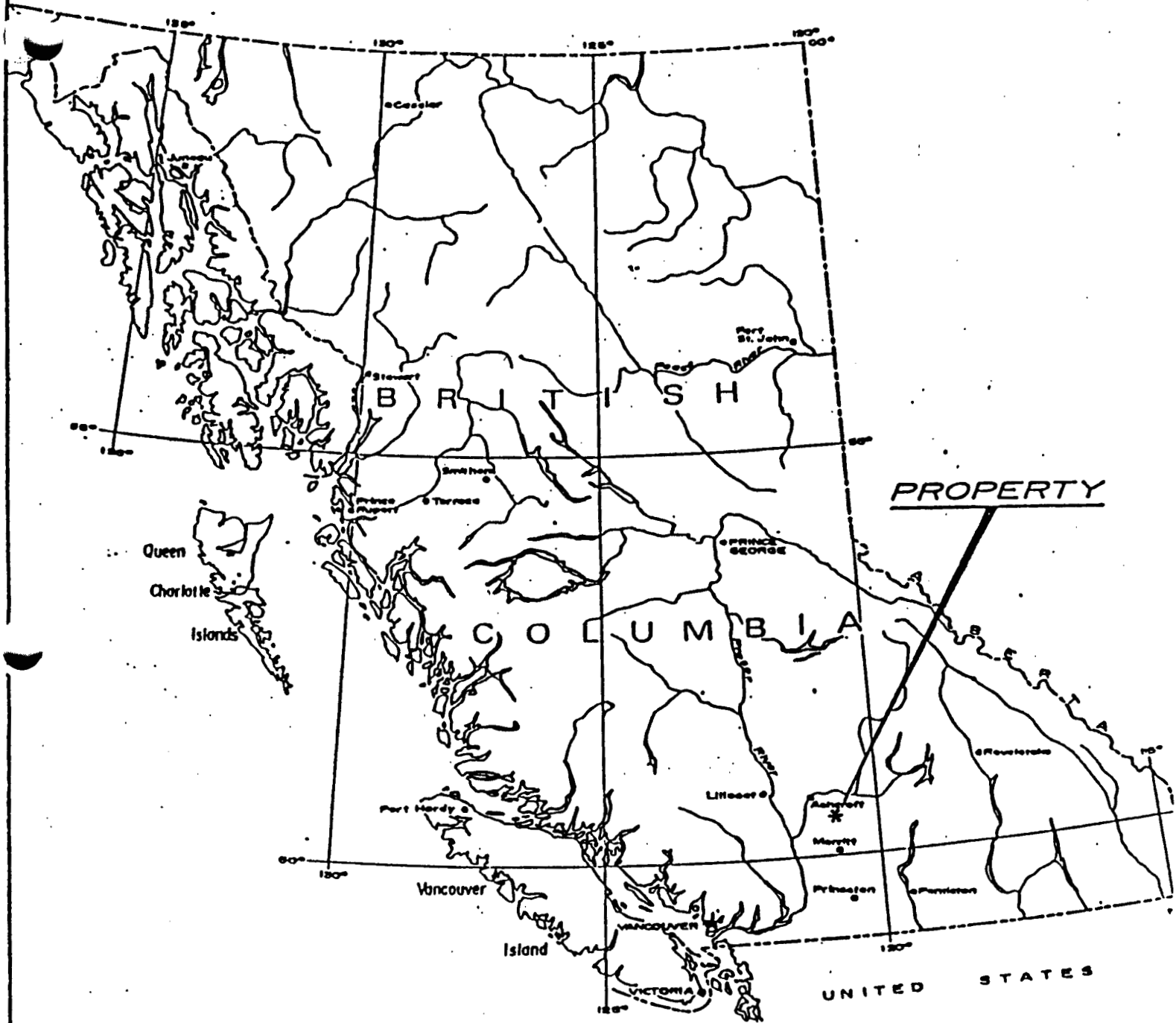
No report costs have been claimed

TERMS OF REFERENCE

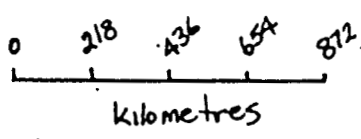
Gower Thompson & Associates Ltd was retained by John Lepinski to carry out preliminary surveys on the Getty #4 group. These surveys consisted of geological examinations, prospecting and geochemical sampling. The samples were analyzed at MIN - EN LABS in Vancouver B.C.

SUMMARY

Preliminary surveys and prospecting was carried out on the Getty #4 group. No anomalies warranting follow - up were discovered. Further exploration on the property should consist of geophysical surveys and drilling if discoveries on the adjacent Transvaal claims trend onto the Getty #4 ground.



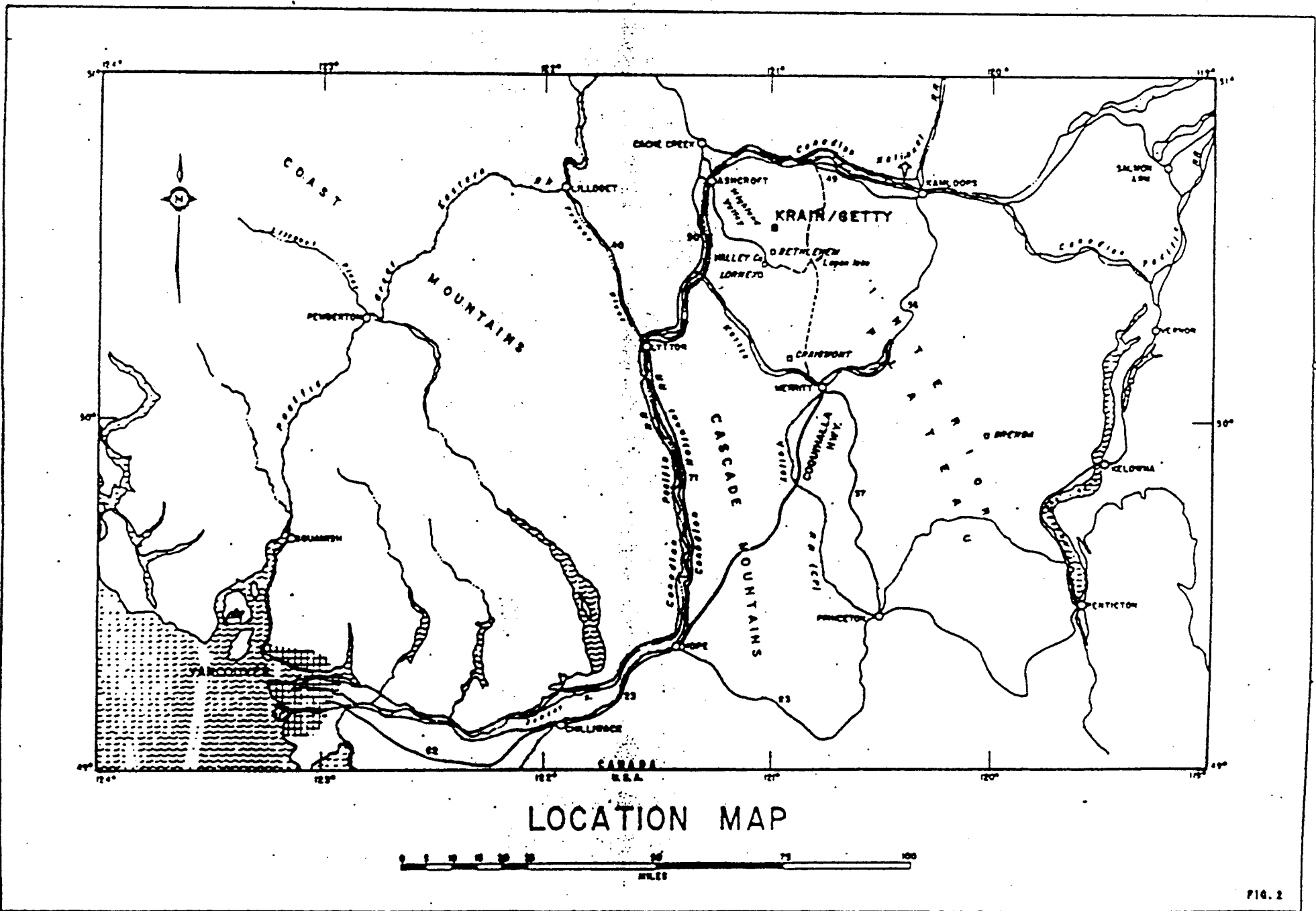
1 : 8,617,000



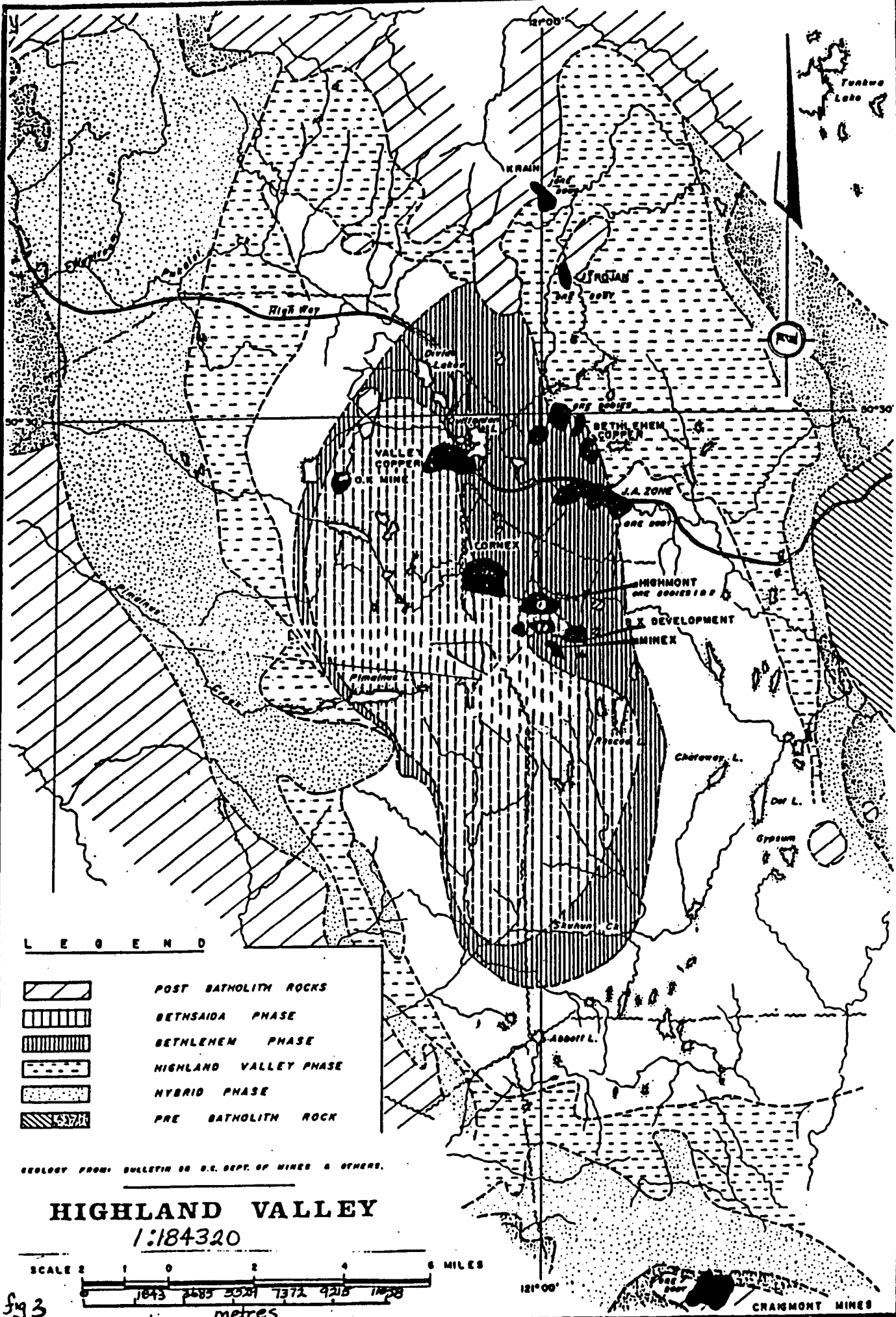
PROPERTY  
LOCATION MAP  
HIGHLAND VALLEY, B.C.

SCALE  
1" = 136 Miles

Fig 1



LOCATION MAP



GEOLOGY FROM: BULLETIN OF U.S. DEPT. OF MINES & GEOL.

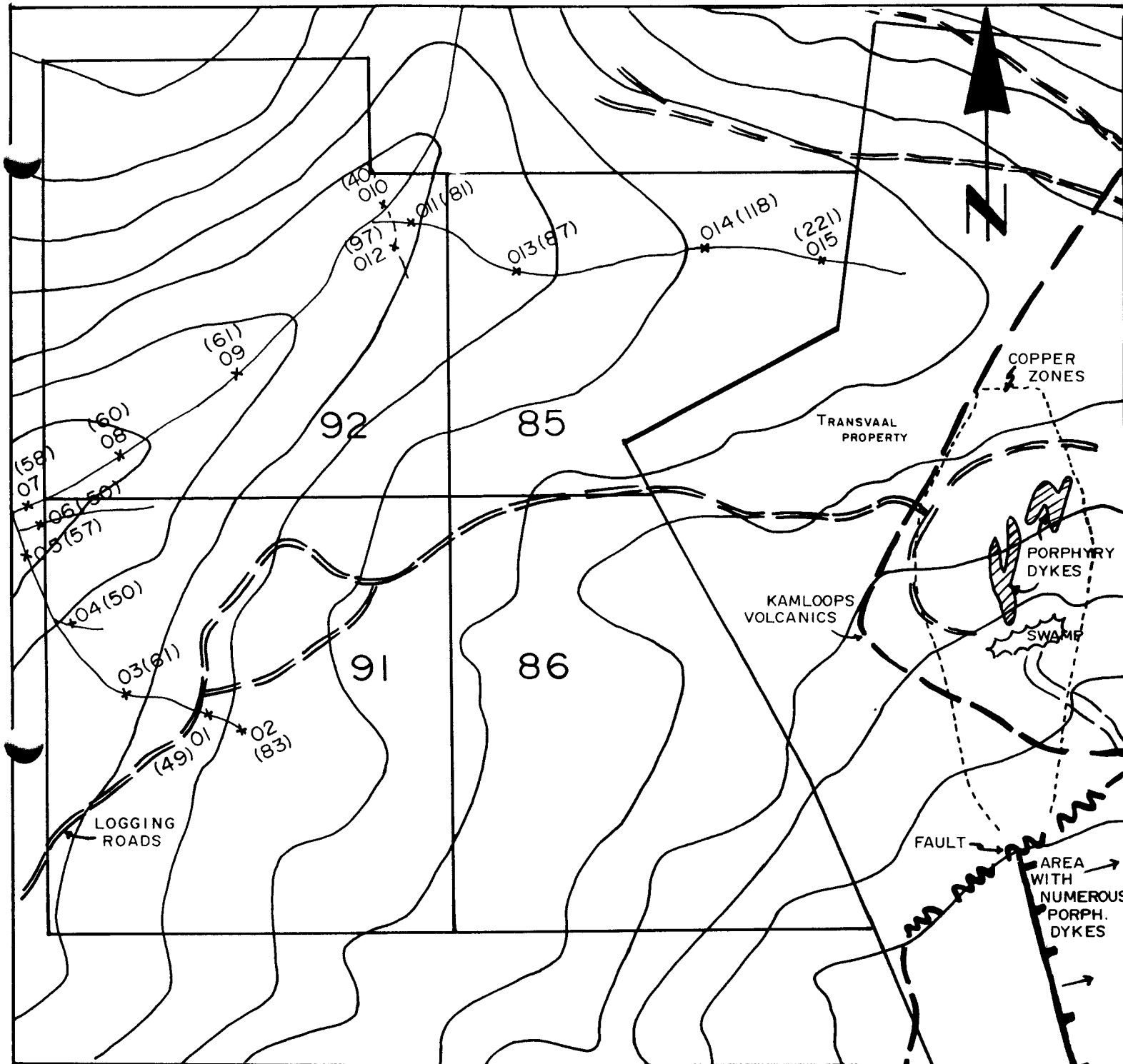
**HIGHLAND VALLEY**

1:184320

SCALE 0 1 2 3 4 5 6 MILES

1843 2524 3204 3884 4564 5244 5924 6604 metres

fig 3



# GETTY NO. 4 GROUP

## SAMPLE LOCATIONS, RESULTS & GENERAL GEOLOGY

DRAWN BY: S. GOWER, E. THOMPSON

DATE: JULY, 1990

FIG. : 5

SCALE: 1:6250

COPPER RESULTS IN PPM

GOWER, THOMPSON & ASSOCIATES LIMITED



LOCATION AND ACCESS

The Getty #4 group is located in the northern portion of the Highland Valley area of southern British Columbia. The claims are situated 38 kilometres southeast of Ashcroft and 72 kilometres southwest of Kamloops at 50° 34' Latitude; 121° 02' Longitude.

Access to the property is via the Bose Lake which joins the main Highland Valley road system about 0.5 kilometres west of the old Bethlehem Mill. The road to the claims trends northwest from the Bose lake road about one kilometre north of the turn-off to Bose Lake. The claims are situated to the west of the Transvaal property.

CLAIM STATUS

The following claims were grouped June 7, 1990 as the Getty #4 Group.

<u>CLAIM NAME</u>	<u>RECORD #</u>	<u>MONTH</u>	<u>UNITS</u>
Getty #85	8581	June 11	1
Getty #86	8582	June 11	1
Getty #91	8626	July 1	1
Getty #92	8627	July 1	1

Two years work has been applied with this report to extend the expiry date to 1992.

SILT SAMPLE DATA

<u>SAMPLE #</u>	<u>ACTIVE</u>	<u>FLOW</u>	<u>WIDTH</u>	<u>DEPTH</u>	<u>SILT</u>	<u>GRAVEL</u>	<u>SAND</u>	<u>ORGANIC</u>
90-GYW-001	x	fast	30 cm	7 cm	x	x		x
90-GYW-002	x	mod.	60 cm	3 cm	x			x
90-GYW-003	x	mod.	30 cm	15 cm	x			x
90-GYW-004	x	slow	30 cm	3 cm	x			x
90-GYW-005	x	slow	>100cm	5 cm	x			x
90-GYW-006	x	mod.	60 cm	15 cm	x	x		x
90-GYW-007	x	fast	60 cm	20 cm	x			x
90-GYW-008	x	fast	60 cm	25 cm	x		x	x
90-GYW-009	x	mod.	60 cm	30 cm	x		x	x
90-GYW-010	x	mod.	40 cm	15 cm	x		x	x
90-GYW-011	x	mod.	30 cm	10 cm	x			x
90-GYW-012	x	slow	30 cm	spring	x			x
90-GYW-013	x	fast	30 cm	20 cm	x			x
90-GYW-014	x	slow	>100cm	5 cm	x		clay	x
90-GYW-015	x	mod.	>100cm	10 cm	x			

DISCUSSION OF GEOCHEMICAL RESULTS

Background values for copper in stream silt commonly average about 50 ppm in the Highland Valley. In the vicinity of the mineral zones copper in silt values commonly range into the several thousand ppm's. Weakly anomalous values of copper in silt are from 200 - 500 ppm Strongly anomalous values are greater than 500 ppm.

Background values of gold in stream silt are 1 - 2 ppb. This basically corresponds to non-detectable values.

Only one sample 90-GYW-015 is weakly anomalous. This sample is situated just to the north of the Transvaal copper zones and was expected to be higher than background. No other values are present which warrant follow - up for copper or gold.

GEOLOGY & PROSPECTING

The claim area is underlain by Kamloops volcanics of early Tertiary age. Basal sediments are exposed on the east side of the claim group which grades upwards through volcanic flows and flow breccias towards the west. Composition of the flow rocks varies from rhyolite to andesite most of which contain free quartz in their matrix. The rocks vary in color from light grey to dark green - gray. Iron staining of sediments, flows and beccias is common.

An outcrop of quartz porphyry is exposed in an old bulldozer trench on Getty #85. This appears to be a subvolcanic plug.

The volcanic rocks underlying the claim area onlap onto granitic rocks of the Guichon Batholith on the Transvaal ground to the east. No granitic rocks were discovered during the geological study.

Prospecting of the claim group did not disclose any copper showings. If mineralization is present under the volcanic cover induced polarization and drilling will be required to discover it.

CERTIFICATE OF QUALIFICATIONS

I Stephen C. Gower of 985 Gatensbury Street, Coquitlam, British Columbia do hereby certify that:

1. I have been employed in my profession as a geologist for a period of 20 years.
2. I graduated from the University of British Columbia in 1970 with a B. Sc., and have taken Masters Courses at U.B.C. in property evaluation and exploration.
3. I am a fellow of the Geological Association of Canada.
4. The field work described in this report was carried out June 6 - 8, 1990 by Elaine Thompson and myself.

July, 1990

  
Stephen C. Gower

REFERENCES

Report on the Transvaal property for Robak Industries Ltd.  
John B. Richards, S.C. Gower 1989.

APPENDEK A

ASSAY RESULTS



**SPECIALISTS IN MINERAL ENVIRONMENTS**  
 CHEMISTS • ASSAYERS • ANALYSIS • GEOCHEMISTS

**VANCOUVER OFFICE:**  
 705 WEST 15TH STREET  
 NORTH VANCOUVER, B.C. CANADA V7M 1T2  
 TELEPHONE (604) 980-5814 OR (604) 988-4524  
 FAX (604) 980-9621

**THUNDER BAY LAB.:**  
 TELEPHONE (807) 622-8958  
 FAX (807) 623-5931

**SMITHERS LAB.:**  
 TELEPHONE/FAX (604) 847-3004

*Geochemical Analysis Certificate* OV-0716-SG1

Company: **GOWER THOMPSON & ASSOC.LTD.**  
 Project: **HIGHLAND VALLEY**  
 Attn: **STEPHEN GOWER**

Date: **JUL-02-90**  
 Copy 1. GOWER THOMPSON, NEW WESTMINSTER, B.C.

*We hereby certify* the following Geochemical Analysis of 23 SOIL samples submitted JUN-19-90 by STEPHEN GOWER.

Sample Number	AU-FIRE PPR	CU PPM		
90-GYW-001	1	49	GETTY # 4	
90-GYW-002	1	83	"	"
90-GYW-003	1	61	"	"
90-GYW-004	1	50	"	"
90-GYW-005	1	57	"	"
90-GYW-006	1	50	"	"
90-GYW-007	1	58	"	"
90-GYW-008	1	60	"	"
90-GYW-009	1	61	"	"
90-GYW-010	1	40	"	"
90-GYW-011	2	81	"	"
90-GYW-012	1	97	"	"
90-GYW-013	1	87	"	"
90-GYW-014	1	118	"	"
90-GYW-015	1	221	"	"
90-GYW-017		65	GETTY # 3	
90-GYW-018		64	"	"
90-GYW-019		105	"	"
90-GYW-020		80	"	"
90-GYW-021		85	"	"
90-GYW-022		87	"	"
90-GYW-023		124	"	"
90-GYW-024		110	"	"
90-GYW-026	NO	SAMPLE		
90-GYW-027	NO	SAMPLE		

Certified by 





**MIN  
• EN  
LABORATORIES**  
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS  
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:

VANCOUVER OFFICE:

705 WEST 15TH STREET  
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TELEPHONE (604) 980-5814 OR (604) 988-4524  
FAX (604) 980-9621

THUNDER BAY LAB.:

TELEPHONE (807) 622-8958  
FAX (807) 623-5931

SMITHERS LAB.:

TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-0716-RA1

Company: GOWER THOMPSON & ASSOC. LTD.  
Project: HIGHLAND VALLEY  
Attn: STEPHEN GOWER

Date: JUN-28-90  
Copy 1. GOWER THOMPSON, NEW WESTMINSTER, B.C.

We hereby certify the following Assay of 13 ROCK samples submitted JUN-19-90 by STEPHEN GOWER.

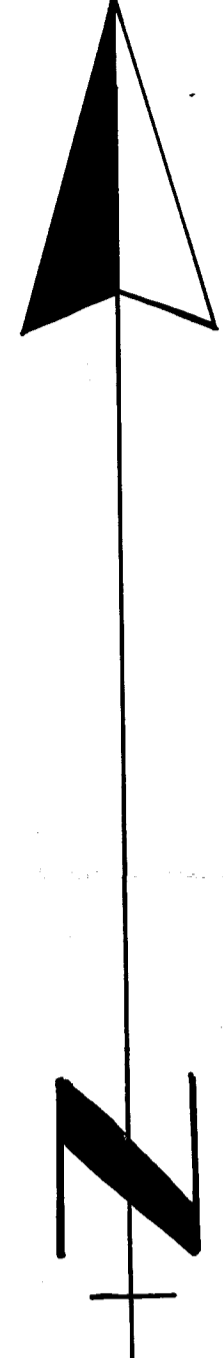
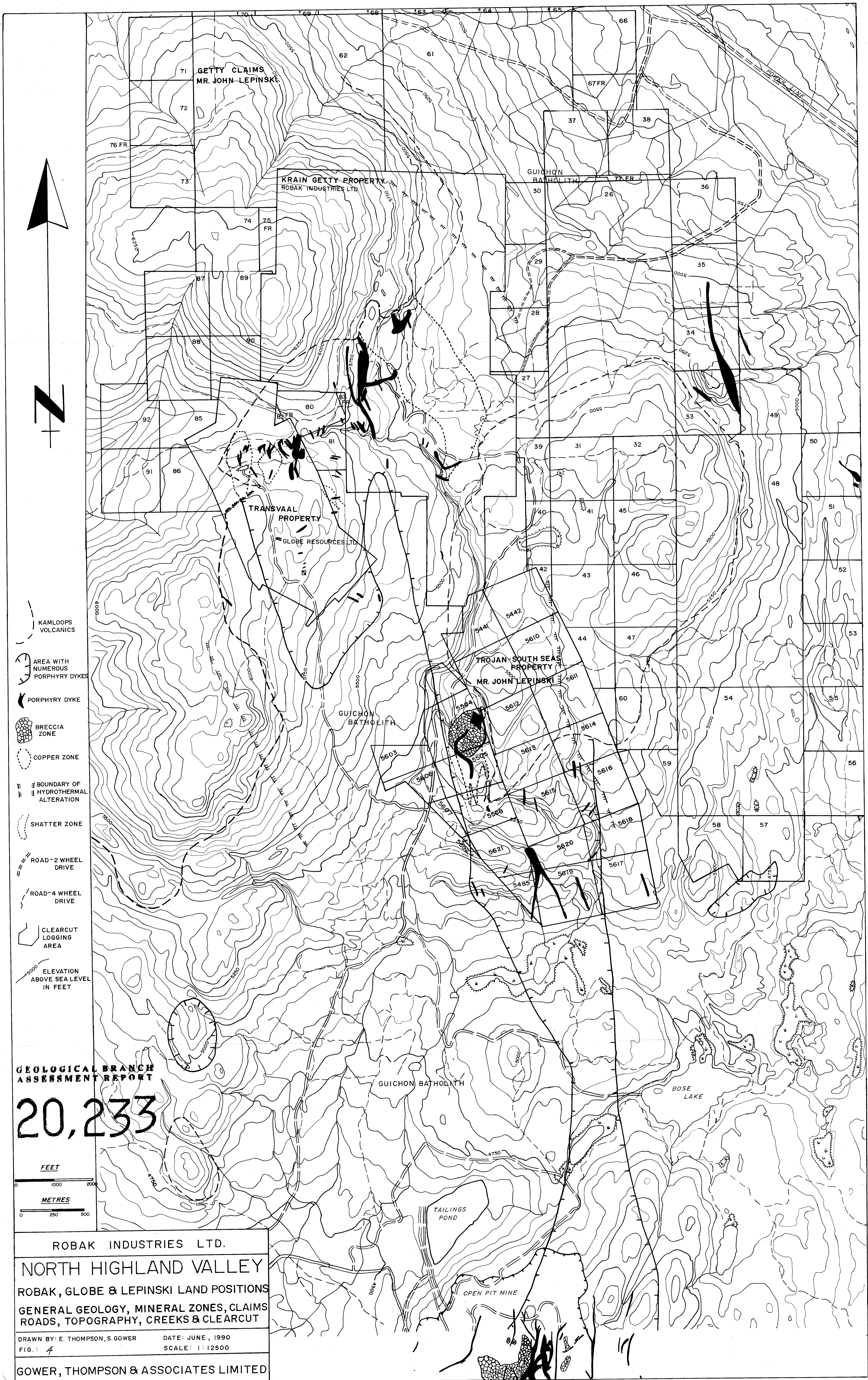
Sample Number	AU g/tonne	AU oz/ton	AG g/tonne	CU %	NON-SULF CU %	
90-GYW-016R	.01	.001		.015		GETTY #3
90-GYW-025R				3.050		" "
90-HI-001	.01	.001	5.8	2.830	2.825	HIGHLANDER
90-HI-002	.02	.001	3.5	2.000	1.990	"
90-HI-003	.01	.001	1.6	.454	.446	"
90-HI-004	.02	.001	1.5	.221	.211	"
90-HI-005	.01	.001	1.9	.618	.597	"
90-HI-006	.01	.001	1.8	1.220	1.210	"
90-HI-007	.02	.001	1.6	.631	.585	"
90-HI-008	.01	.001	1.5	.514	.490	"
90-HI-009	.01	.001	2.0	.437	.398	"
90-HI-010	.02	.001	3.2	3.690	3.670	"
90-GYW-028R EXTRA	.01	.001		1.010		"

NON-SULF = NON SULFIDE

Certified by

*Stephen Gower*

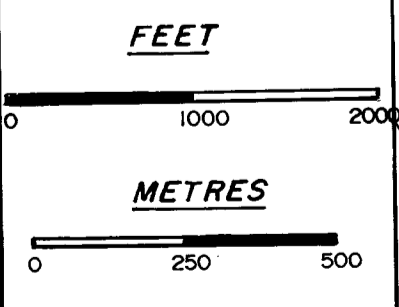
MIN-EN LABORATORIES



- KAMLOOPS VOLCANICS
- AREA WITH NUMEROUS PORPHYRY DYKES
- PORPHYRY DYKE
- BRECCIA ZONE
- COPPER ZONE
- BOUNDARY OF HYDROTHERMAL ALTERATION
- SHATTER ZONE
- ROAD - 2 WHEEL DRIVE
- ROAD - 4 WHEEL DRIVE
- CLEARCUT LOGGING AREA
- ELEVATION ABOVE SEA LEVEL IN FEET

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

20,233



ROBAK INDUSTRIES LTD.

NORTH HIGHLAND VALLEY

ROBAK, GLOBE & LEPINSKI LAND POSITIONS

GENERAL GEOLOGY, MINERAL ZONES, CLAIMS  
ROADS, TOPOGRAPHY, CREEKS & CLEARCUT

DRAWN BY: E. THOMPSON, S. GOWER      DATE: JUNE, 1990  
FIG. 4      SCALE: 1:12500

GOWER, THOMPSON & ASSOCIATES LIMITED