

85-223-13656  
04/86

**GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT**

**ON THE  
SILVERCUP AND MAY 1 CLAIMS  
(Silver Group)**

59°56'N 130°25'W

N.T.S. 1040/16W

Liard Mining District  
British Columbia

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

For

**13,656**

Packard Resources Ltd.  
1032 - 355 Burrard Street  
Vancouver, B.C.  
V6C 2G8

By

Gary A. Medford, Ph.D., F.G.A.C.



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July 1984

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SUMMARY

Detailed grid geochemical, magnetometer and VLF-EM surveying were completed on two geochemical anomalies located in the 1983 field season on the Silvercup 2 claim. The program has been successful in delineating a silver-copper-molybdenum anomaly striking north-northeast, about 800 metres long and open to the south where it extends onto the May 1 claim. Coincident elevated levels of arsenic, antimony and fluorine indicate the possibility of epithermal precious metal mineralization perhaps of a similar nature or genesis to the significant gold mineralization (in Tertiary quartz porphyry) discovered during drilling on the YP claims to the north in 1983. No further encouragement was obtained on the second regional anomaly perhaps because of depth of overburden.

## INTRODUCTION

The work described in this report includes detailed geological, geochemical and geophysical examination of two anomalies ("A" and "B") located by reconnaissance exploration of the Silvercup and adjoining claims in 1983 (Medford and Christopher, 1983). Potential targets on this property include Pb-Zn-Ag mineralization such as found on Regional Resources' Midway property to the east and the Marbaco camp to the west. In 1983, Butler Mountain Minerals Corp., drilling several kilometers to the north on the YP claims in the Yukon, delineated significant gold intersections associated with a quartz porphyry of Tertiary age as well as Pb-Zn-Ag mineralization. The possibility of epithermal precious metal mineralization or that associated with young intrusives provides additional exploration potential in this area.

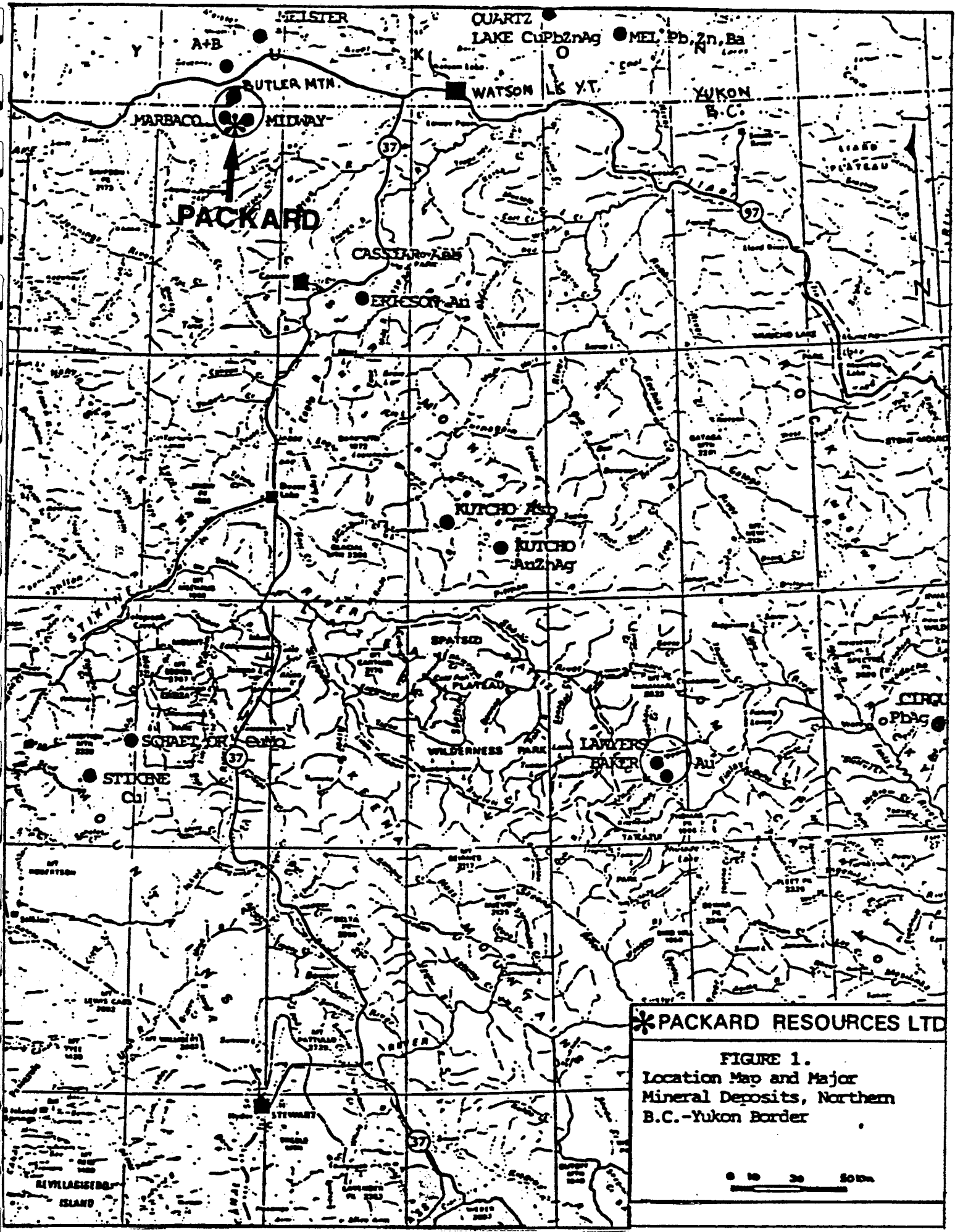
## LOCATION AND ACCESS

The claims straddle the Tootsee River in British Columbia approximately 15 km south of Rancheria, Y.T. and 100 km west of Watson Lake (Figure 1). Access to the property is gained from the Alaska Highway at mile 701, following the road to Regional Resources' property. Extensive road reconstruction work on this route was in progress in June 1984. The Rancheria River must be forded at mile 701 but in times of high water, a bridge at Freer Creek, mile 706, can be used.

Helicopters are available at Watson Lake for winter access and at Rancheria in the summer season. Watson Lake is serviced by CP Air from Vancouver.

## WORK PROGRAM

Detailed grids were set out on anomalies "A" and "B" located in 1983. Linespacings of 100 m were used with a 30 m sampling interval. Soils from grid "A" were analyzed for Cu, Pb, Zn and Ag and those from grid "B" for Mo, Cu, Pb, Zn and Ag. A total of 709 soils and a few silts were collected. A baseline was cleared over a length of 1.6 km to provide easier access on anomaly "B".



\*PACKARD RESOURCES LTD

FIGURE 1.  
Location Map and Major  
Mineral Deposits, Northern  
B.C.-Yukon Border

0 10 20 30km

VLF-EM surveying using stations Cutler and Hawaii was undertaken over 7.44 line-km crosslines of grid "B" and 2.04 line-km on grid "A". Magnetometer surveying was also completed on grid "B" over 9.93 line-km.

Mapping and prospecting was completed on grid "B" and geological observations were made while soil sampling on anomaly "A".

### CLAIMS

The claims forming part of the Silver group are listed below:

	<u>Record Number</u>	<u>Units</u>	<u>Expiry Date</u>
Silvercup 1	2801(6)	12	June 1987
Silvercup 2	2802(6)	16	June 1987
Silverspoon 1	2803(6)	12	June 1987
Silverspoon 2	2804(6)	16	June 1987
Jane	2805(6)	2	June 1987
May 1	2808(6)	18	June 1987
May 2	2809(6)	18	June 1987
Jane Fr.	2806(6)	1	June 1987
Spoon Fr.	2810(6)	1	June 1987
Silver Fr.	2811(6)	1	June 1987
Suey Fr.	2943(9)	<u>1</u>	<sup>oct</sup> June 1987
		98	

The claims are plotted in Figure 2 as rendered by Amex Exploration Services Ltd., Kamloops, B.C. which did the staking.

### REGIONAL AND LOCAL GEOLOGY

The area of interest is situated on the east flank of the Cassiar batholith which extends over 300 m from the Wolfe Lake map sheet in the Yukon southeast to the

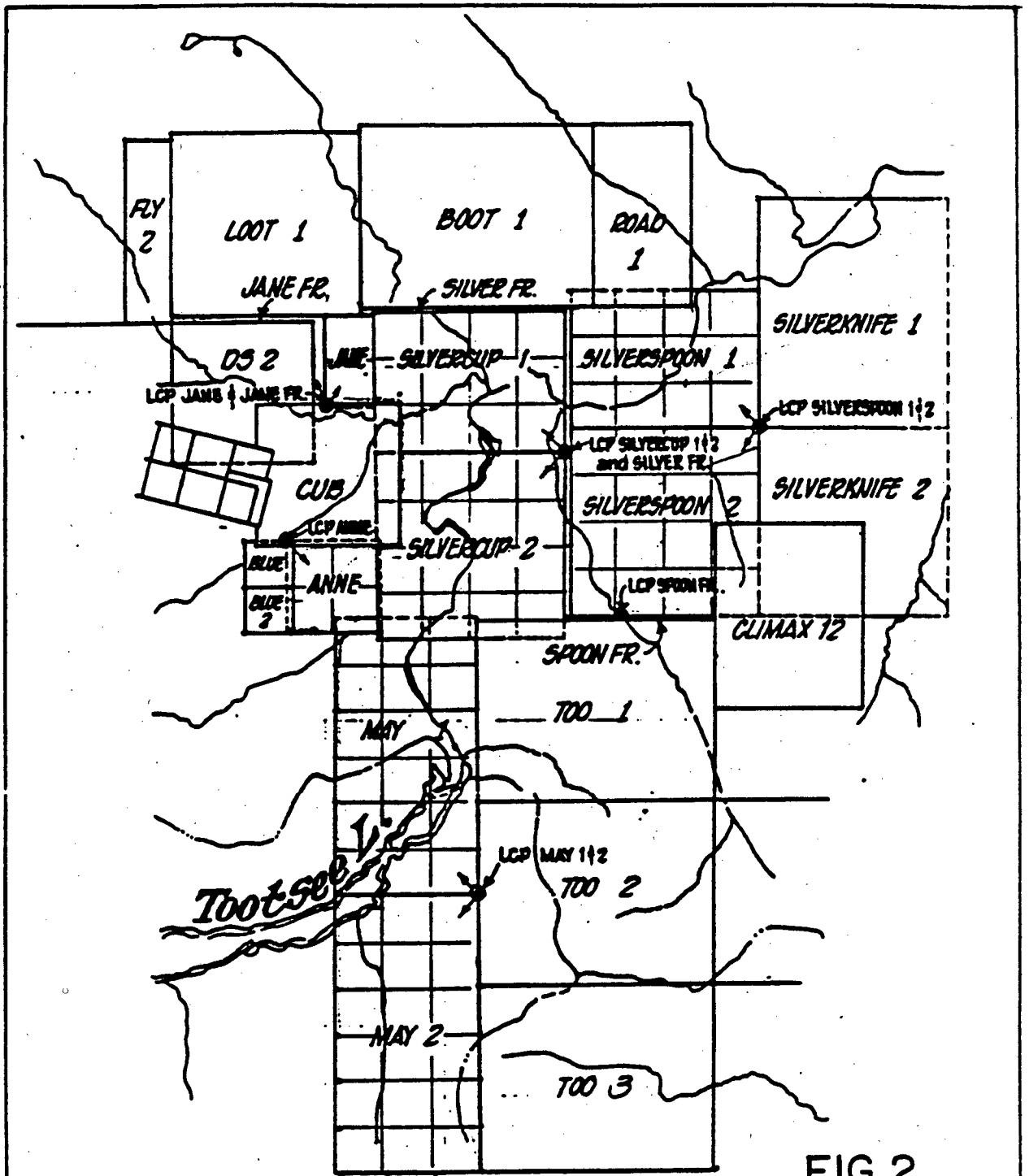


FIG. 2

*Relocation of SILVERCUP 1 and 2; SILVERSPOON 1 and 2; MAY 1 and 2; ANNE; JANE and JANE FR., as agent for PACKARD RESOURCES LTD., and addition of SILVER FR. and SPOON FR., located in the Tootsee Lake area, Liard Mining Division.*

*Reference Map 104°/16'W.*

*1 : 50,000.*

*Amec Exploration Services Ltd., Kamloops, B.C.*

*May, 1989.*



Kechika map area in British Columbia. The geology in the vicinity of the property is shown in Figure 3 after McIntyre (1982).

The units underlying anomaly "A" appear to be the eastward extension of the those hosting the Marbaco deposit and include a shale (slate) - limestone - phyllite package. Those hosting anomaly "B" are higher in the section and include carbonaceous platy siltstones, interbedded with carbonaceous and calcareous quartzites. These units overlie green to silver phyllites and probably are part of the uppermost Kechika Group of middle (?) Silurian age.

A description of significant mineral deposits in the area is given in Medford and Christopher (1983). The metallogeny includes silver, lead, zinc, tin, tungsten and molybdenum as well as a recent (1983) discovery of gold on the YP claims to the north.

### GEOCHEMICAL EXAMINATION OF THE DETAILED GRIDS

#### Grid "A" (Map 6 and 7)

Grid "A" (Figure 4) was established to cover a few anomalous silver values (2.4 - 4.4 ppm) obtained on a reconnaissance soil line in 1983. As these anomalous soils overlie the limestone unit that appears to be the eastward extension of that hosting the Marbaco vein deposit, a more detailed examination of this area was warranted.

A base line 650 m long trending  $106^{\circ}$  was laid out with orthogonal crosslines 420 m to the north and 600 m to the south. Soil samples taken from the B horizon were analyzed for Cu, Pb, Zn and Ag at Chemex Laboratories (Appendix 2). The results are posted on Maps 6 and 7.

#### Results

Attempts were made to contour the results presented on Map 7 without success. No definitive anomalous trends could be discerned. Silver values are generally elevated relative to most of the property but there is no focus of high values that warrants follow-up.

130°30'

104 O/16

Yukon 130°00' 60°00'

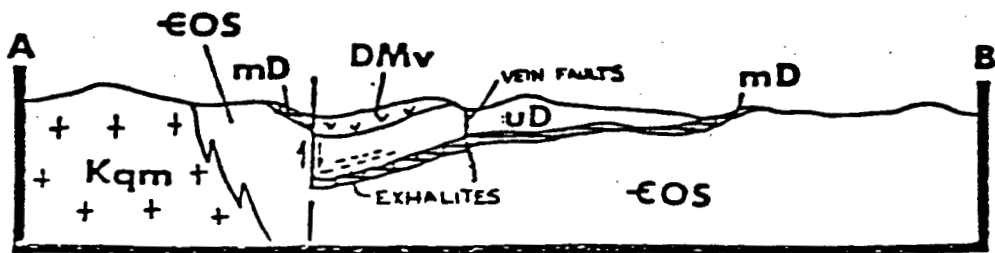
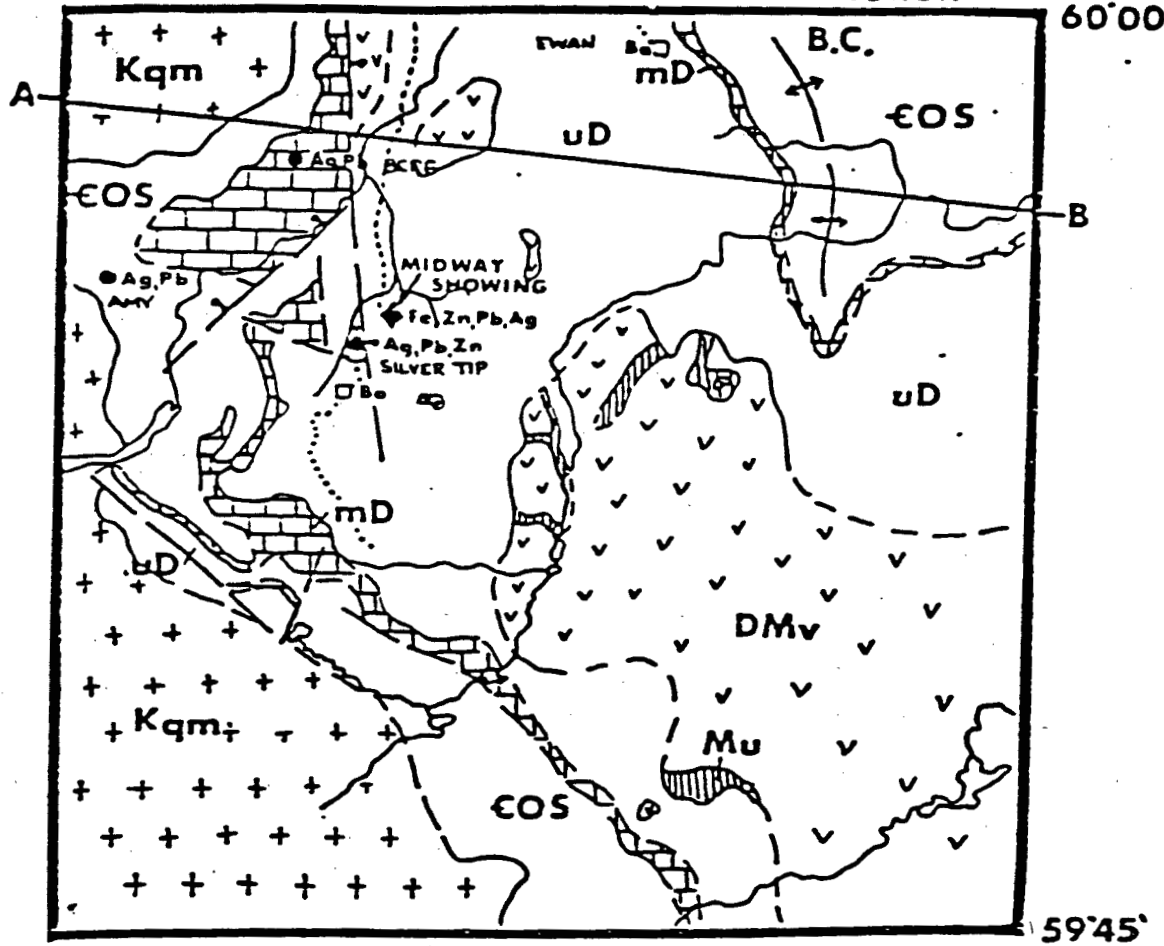


Figure 3a. Generalized geology in vicinity of the Midway showing, Jennings River map-area; geology and legend modified from Gabrielse (1969).

(Source, McIntyre, D.G., 1982. BCIM Paper 82-1)

TABLE  
Legend for Figure 3a

CRETACEOUS

CASSIAR BATHOLITH

Kqm Quartz monzonite, granodiorite

MISSISSIPPIAN AND LATER

Mu Serpentinite, dunite, peridotite

UPPER DEVONIAN TO MISSISSIPPIAN

SYLVESTER GROUP (UPPER)

DMv Greenstone, agglomerate; dacitic tuff; minor chert, metadiorite

MIDDLE TO UPPER DEVONIAN

SYLVESTER GROUP (LOWER)

uD Slate, argillite, chert, siltstone, chert-arenite, greywacke, chert pebble conglomerate, minor limestone

MIDDLE DEVONIAN




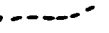




McDAME GROUP

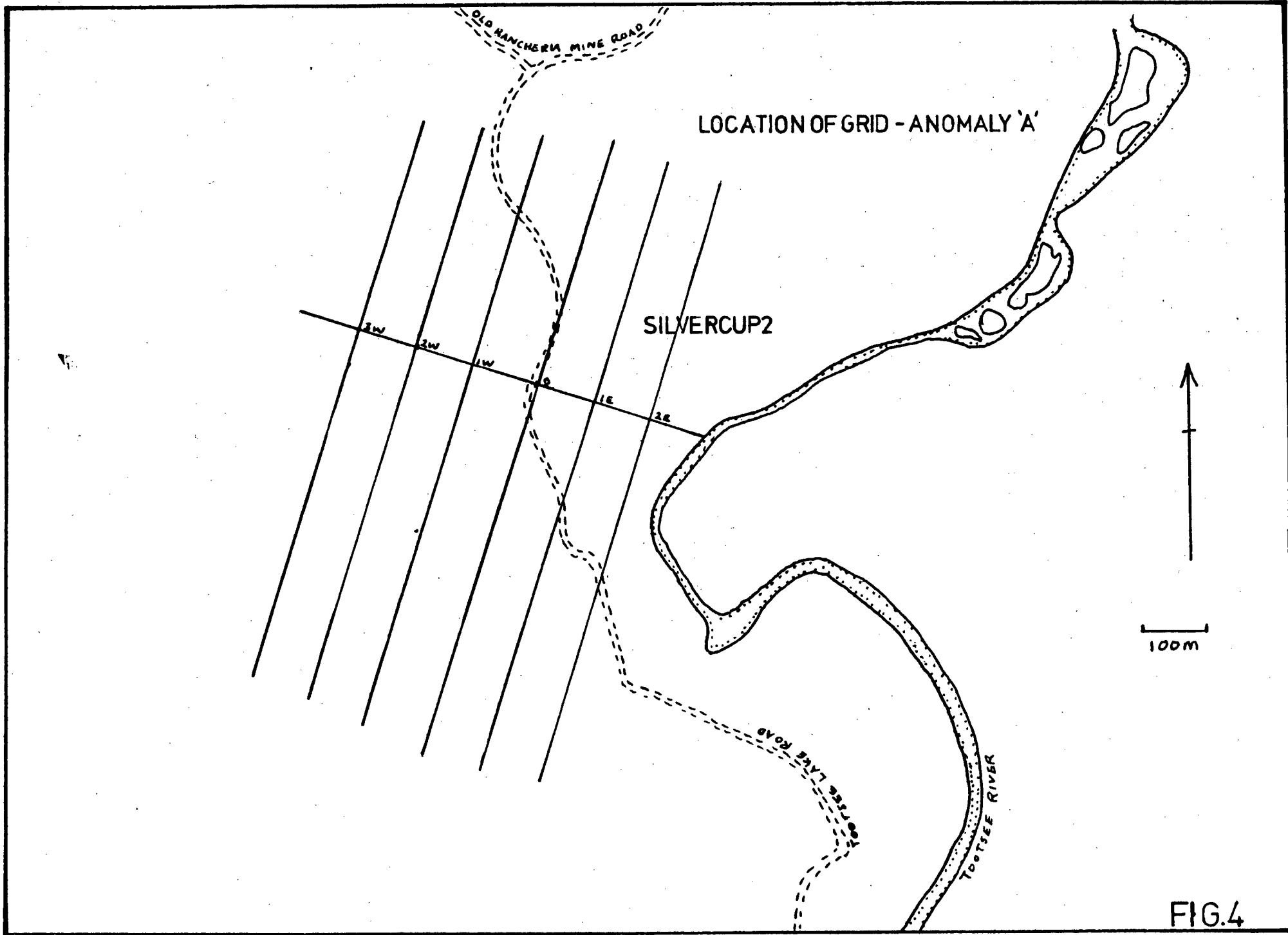
mD Dolomite, fossiliferous limestone

CAMBRIAN, ORDOVICIAN, AND SILURIAN

EOS Dolomite, dolomitic sandstone and siltstone, graptolitic black shale, platy siltstone, calcareous phyllite, phyllitic limestone skarn, hornfels, limestone, quartzite

Symbols

High-angle fault; ball on downthrown block .....	
Antiform .....	
Contact: defined; assumed .....	
Road .....	
Stratabound barite .....	
Stratabound massive sulphide .....	
Mineral occurrence in carbonate rocks .....	
Exhalite horizon .....	



The glacial overburden is probably too thick for satisfactory geochemical exploration at this location and the silver geochemistry may be influenced by surface run-off from higher ground to the west. To this effect, it is noted that the silver analyses reported in soils just east of this area on the other side of the Tootsee River are almost uniformly 0.1 ppm. This survey is thus not considered an adequate test of the limestone horizon below.

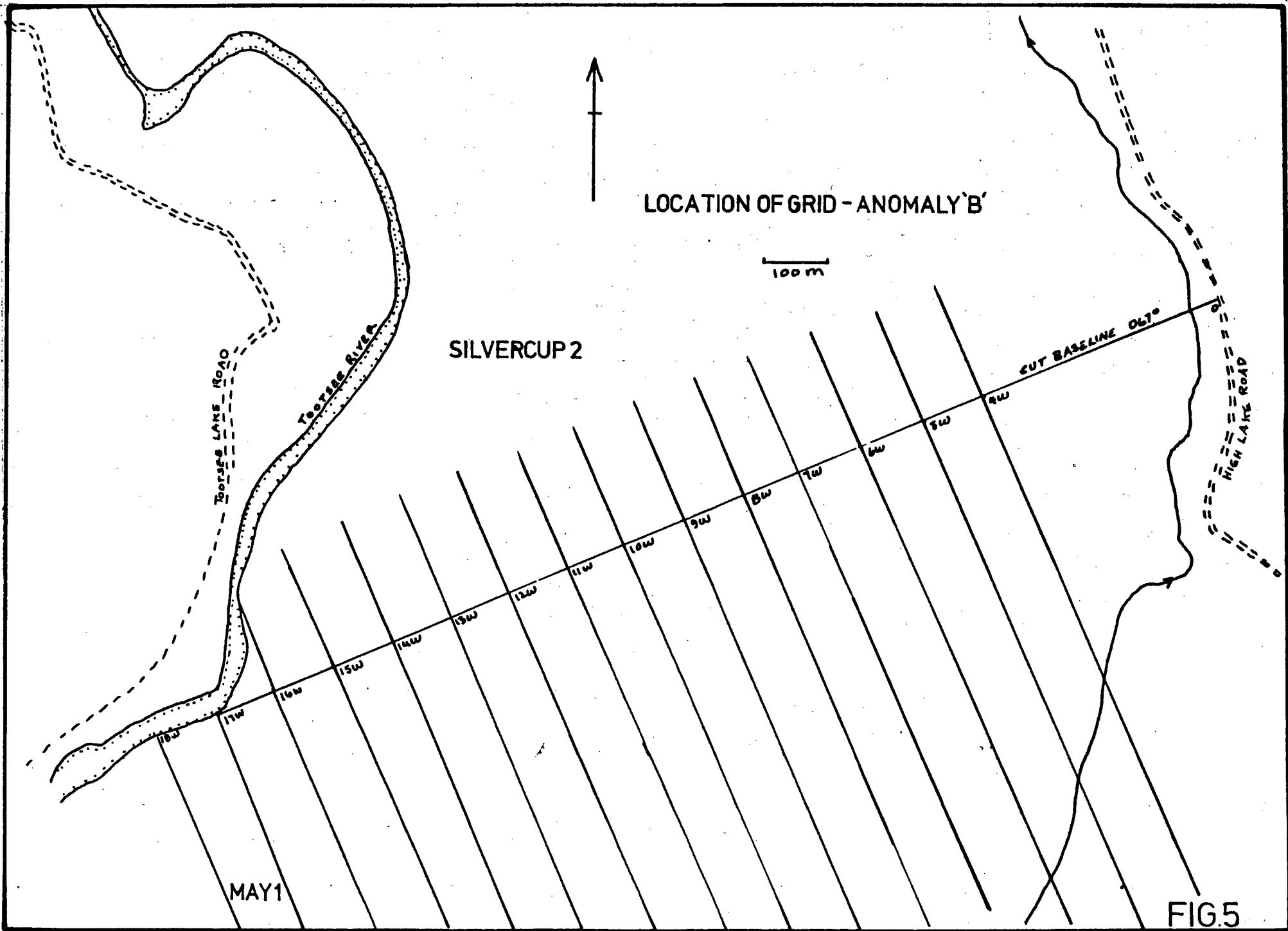
### Grid "B" (Map 1 and 2)

A 1.7 km baseline terminating at the Tootsee River on the west side (Figure 5) was cut and cleared. Crosslines approximately 1 km to the south were established to cover a Mo, Ag anomaly detected on two soil lines during exploration work in 1983 (Medford and Christopher, 1983). A geochemical orientation study carried out prior to the 1984 field season (using samples collected in 1983) indicated that the Mo, Ag anomaly was also characterized by elevated Sb, F, and As (see Appendix 3). This suite, characteristic of epithermal precious metal deposits, and Butler Mountain Minerals Corp.'s discovery of gold mineralization in a Tertiary quartz porphyry several kilometers to the north on the YP claims dictated that the anomaly be more fully evaluated.

An attempt was made to sample the B horizon if possible. This horizon was found to be poorly developed in most places and often frozen because of the north facing slope. Frequently rock chips were excavated along with the soil hence indicating that some sampling was done in the C-horizon. Analyses are presented in Appendix 2.

### Results

Molybdenum values contoured at 10, 20 and 30 ppm (Map 2) produce a strong anomaly in excess of 800 metres long striking in a north-northeasterly direction. Silver values on the grid are well above the 0.1 ppm level reported by most of the property and the highest silver value 3.5 ppm is found in the same sample as the highest Mo result (160 ppm). Copper values (Map 3) contoured at 26 and 36 ppm (see histogram Figure 6) provide a similar anomaly with apparently greater downslope



Cu

Zn

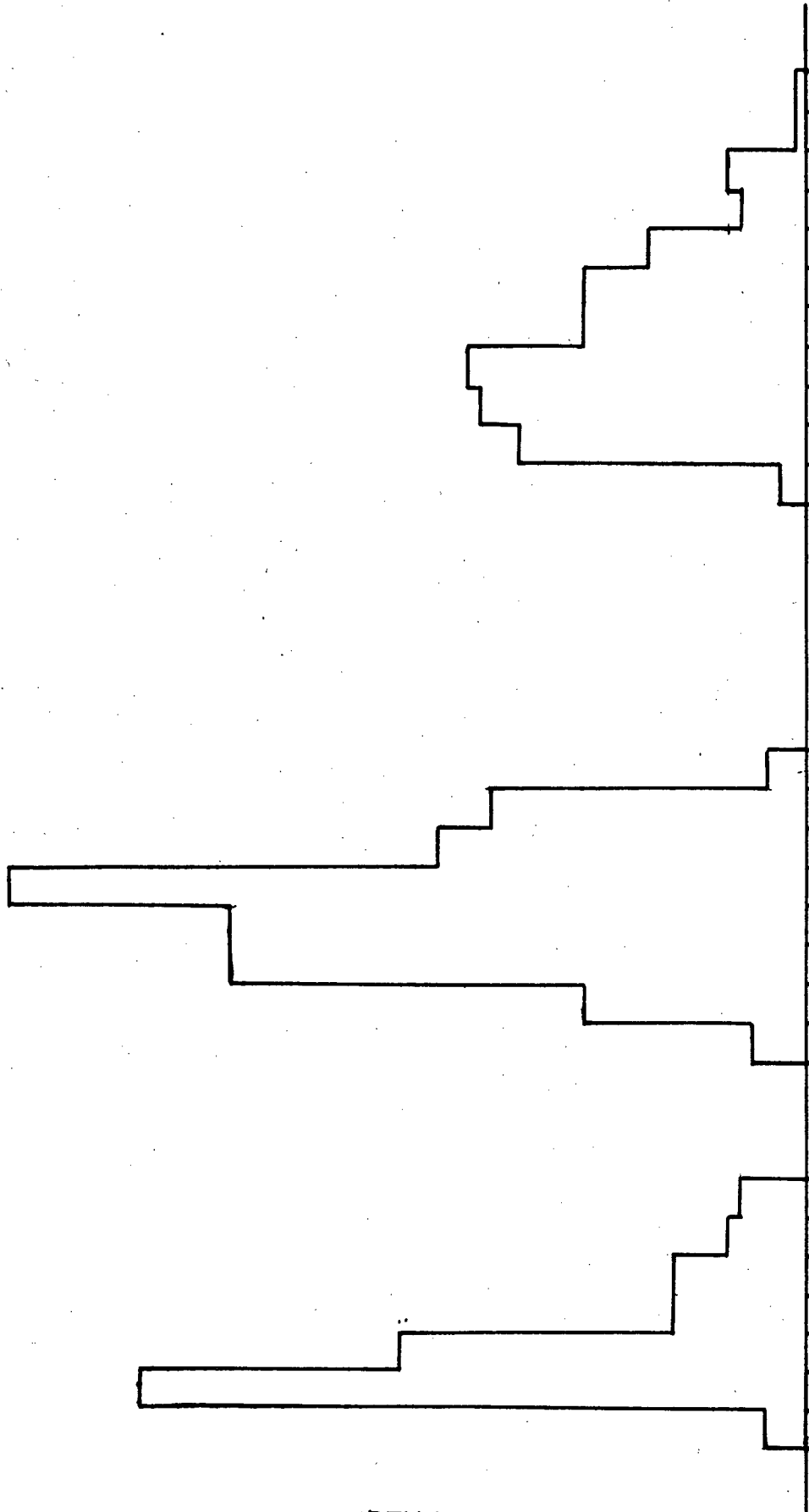
Pb

100  
80  
60  
40  
20  
FREQ.

FIG. 9

1-5  
6-10  
11-15  
16-20  
21-25  
26-30  
31-35  
11-30  
31-50  
51-70  
71-90  
91-110  
111-130  
131-150  
151-170  
ppm

0-5  
6-10  
11-15  
16-20  
21-25  
26-30  
31-35  
36-45  
46-50  
51-55  
56-60



dispersion. Patchy areas with Mo greater than 10 ppm and copper greater than 26 ppm trend discontinuously off to the northeast or north-northeast and these often possess associated elevated silver.

Attempts to contour lead and zinc did not result in useful patterns. Zinc appears to concentrate in a few locations perhaps above basaltic dikes which are known to have elevated zinc concentrations in some cases. The geochemistry described above, however, cannot be explained by the presence of these dikes.

A geochemical orientation survey (Appendix 3) carried out using samples that contained high Mo and Ag values and background samples selected from elsewhere on the property (1983 collection) indicate that antimony, arsenic, and fluorine are also anomalous in this area. The basaltic dikes in the region do not explain the anomaly.

A few rock samples were submitted for geochemical work (Appendix 3). One amphibolite (dike?) at L600W/40N reported 28 ppb gold and 40 ppb gold on re-analysis.

### GEOPHYSICAL EXAMINATION OF THE DETAILED GRIDS

VLF-EM surveying using stations Cutler and Hawaii was carried out on both grids to detect any conductive structures that might be present and to test its capacity to trace lithologic contacts in overburden covered areas. A Geonics EM 16 was used and readings were made on selected lines at the soil sample sites. A magnetometer survey was carried out on grid "B" as a means of identifying any alteration patterns or mineralization that might be present. A Scintrex MP-2 magnetometer was used with the detector on a packsack.

#### VLF-EM Results

The peaks are easily correlated on the two lines completed on grid "A" (Map 8). The main item of interest is the crossover obtained at the slate-limestone contact (this position is exposed in the Tootsee River). From this work and that completed on adjoining claims to the east, it is apparent that this contact could be readily traced throughout the overburden covered area. The limestone is a favourable host for



Marbaco-type vein mineralization, and its position would be of interest in any overburden drilling program that must be conducted to effectively explore this area.

The patterns obtained on grid "B" are similar to those obtained to the east on adjoining properties. The double peak on line 600W at 30 and 90S is characteristic of that associated with the carbonaceous sandstones and platy siltstones that form the upper part of the Kechika Group. The picture is somewhat more complicated to the west apparently caused by the abrupt curvature of the topography.

As the anomaly elucidated by the detailed geochemistry appears to be discordant (fracture-controlled) with a north-northeast strike, the lithologic information to be gained by further VLF-EM surveying is possibly of academic interest. Using a more southerly station, however, it may be possible to delineate structural control by using east-west oriented traverses.

#### Magnetometer Results

The highest magnetometer readings (+58600 gammas) are concentrated in the area of anomalous Cu, Mo, Ag geochemistry and hence related to the alteration or mineralization. It appears that magnetometer will may be useful in further exploration and definition of this anomaly.

#### GEOLOGICAL EXAMINATION OF DETAILED GRID "B"

The area covered by the grid is greater than 95 percent overburden-covered. Enough outcrop is present to establish that platy siltstones and carbonaceous quartzites (Kechika Group) overlie a unit consisting of green to silver banded phyllites. There is evidence of two early penetrative cleavages which intersect to form pencil lineations within the platy siltstones. Fold closures associated with these structures were not observed, however, the resulting compositional layering can be seen to be concentrically folded (warped) about a southeasterly plunging axis. The axial plunge is about 20 to 30° similar to the dip of the metamorphic package as a whole.

The next unit up in the sequence is a dolomitic quartzite but it was not observed in outcrop on the grid. The base of this unit is probably located well south of the area sampled.

A few basaltic dikes are found north of the baseline. The attitude of these dikes is obscured by overburden but it is probable they are near vertical and strike north-south as is usually the case in this region. They often appear to fill a fracture set that is sometimes associated with minor faulting.

A down-dip projection of the limestone underlying grid "A" would indicate that the unit would be found at a depth of approximately 100 m below the level of the Tootsee River at the position of the silver-copper-molybdenum anomaly. If the assumed faulting mapped by the G.S.C. (Map 18-1968) is correct, the limestone may be considerably shallower. If a Tertiary intrusive is present below anomaly "B", its intersection of the limestone horizon may be a zone with good potential for mineralization.

## CONCLUSIONS

Results obtained on anomaly "A" are inconclusive and probably adversely affected by deep glacial moraine. Further testing of this area would require a technique such as overburden drilling. The presence of conductive slate units in the section may make geophysical interpretation difficult.

On grid "B" a coincident silver, copper and molybdenum anomaly trends in a north-northeasterly direction and is open to the south. A related magnetic anomaly is also present. Elements found in epithermal alteration systems such as antimony, arsenic and fluorine are present in anomalous concentrations within this silver-copper-molybdenum anomaly. These features, especially in light of the recent discovery of significant gold intersections in Tertiary quartz-eye porphyry on the YP claims to the north, invite vigorous further exploration of this portion of the claim group.

## RECOMMENDATIONS

Additional geochemical and soil sampling is required in order to extend anomaly "B" to the south-southwest. Soils should be analyzed for Cu, Mo and Ag. Magnetometer surveying should be continued. Upon complete delineation of the anomaly, a diamond drilling program should be implemented.

A budget required to complete the evaluation of this anomaly is outlined below.

BUDGET

Geologist	8 days		\$ 2,400.00
Assistant	8 days		1,200.00
Room and Board	16 days		800.00
Truck			800.00
Miscellaneous Supplies and Mag Rental			550.00
Mob/Demob			1,900.00
Geochemical Analyses			1,500.00
Reporting			<u>1,200.00</u>
			\$10,450.00
	Contingency		<u>1,000.00</u>
		TOTAL	<u>\$11,450.00</u>

**REFERENCES**

McIntyre, D.G., 1982. Midway Occurrence. Geological Fieldwork, 1982. BCDM paper 1982-1, pp. 162-166.

Medford, G.A. and Christopher, P.A., 1983. Rancheria Project, Geological, Geochemical, Geophysical Report for Packard Resources Ltd. Filed for assessment.

**Geological Maps**

Jennings River, B.C. Map 18-1968

1:250,000

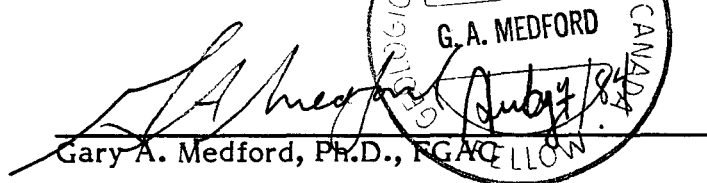
Wolfe Lake, Y.T. Map 10-1960

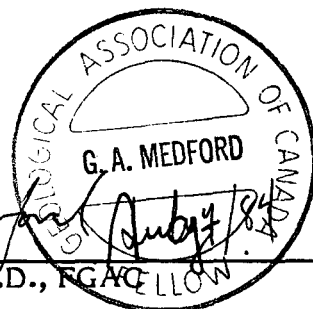
1 inch to 4 miles

CERTIFICATE

I, Gary A. Medford, with business address at 3582 West 14th Avenue, Vancouver, British Columbia, do hereby certify that:

- 1) I am a consulting geologist and have been engaged in my profession for over 15 years.
- 2) I am a graduate of McGill University with B.Sc. Honours (1968) and M.Sc. (1970) degrees in geology, and have graduated from The University of British Columbia (1976) with a Ph.D. in geology.
- 3) I am a Fellow of the Geological Association of Canada.
- 4) I have no direct or indirect interest in Packard Resources Ltd. nor do I expect to receive any interest directly or indirectly in the securities of this company.
- 5) I consent to the use of this report by Packard Resources Ltd. for any purposes deemed necessary.

  
Gary A. Medford, Ph.D., FGAC FELLOW



APPENDIX I

STATEMENT OF EXPLORATION EXPENSES

PERSONNEL

Gary Medford (Project Geologist)	June 11-20, 22nd, 24th, 30th; July 1st, 1984 14 days @ \$300 each	\$ 4,200
Gerry Hayne (Geological Assistant)	June 11-20, 22, 24, July 1/84 13 days @ \$150 each	1,950
Greg Batycki (Geological Assistant)	June 11-20, 23, 24, 26, July 1/84 14 days @ \$150 each	2,100
Peter Christopher (Consultant & Project Management)	June 18-24/84 5 days @ \$350 each	1,750

MOBILIZATION/DEMOB 1,600

ROOM AND BOARD 46 man days 2,150

TRANSPORTATION 4 x 4 - 14 days @ \$100 each 1,400  
Truck fuel 450

SHIPPING 250

GEOCHEMISTRY 4,750

ORIENTATION SURVEY 850

EQUIPMENT RENTALS (MAG., E.M., CHAIN SAW ETC.) 500

EXPENDABLES 500

RADIO TELEPHONE 100

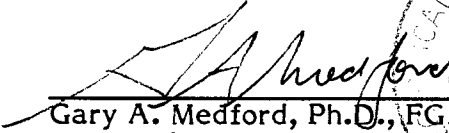
REPORT WRITING AND COMPILATION 2,000

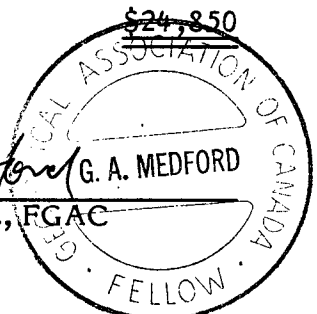
DRAFTING 300

SECRETARIAL, COPIES, REDUCTIONS, PRINTING, ETC. 200

TOTAL COST

\$24,850

  
Gary A. Medford, Ph.D., FGAC  
August 7, 1984





# CHEMEX LABS LTD.

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NORTH VANCOUVER, B.C.  
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## APPENDIX 2

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

### CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.  
3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

*3582 W 14th Ave  
Vancouver BC  
UBR 2w4*

CERT. # : A8412690-001-  
INVOICE # : I8412690  
DATE : 28-JUN-84  
P.O. # : NONE

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
PGB84612-001	201	22	4	27	254	0.2	--
PGB84612-002	201	22	2	12	122	0.2	--
PGB84612-003	201	44	3	15	126	0.1	--
PGB84612-004	201	44	3	16	135	0.1	--
PGB84612-005	203	9	5	1	200	0.2	--
PGB84612-006	201	20	5	11	85	0.1	--
PGB84612-007	201	28	5	14	110	0.1	--
PGB84612-008	201	23	4	14	98	0.1	--
PGB84612-009	201	20	3	14	90	0.1	--
PGB84612-010	201	21	3	13	100	0.1	--
PGB84612-011	201	20	3	12	120	0.1	--
PGB84612-012	201	18	1	10	98	0.1	--
PGB84612-013	201	16	3	11	102	0.1	--
PGB84613-014	201	17	1	10	93	0.1	--
PGB84613-015	201	6	1	6	100	0.1	--
PGB84613-016	201	15	1	5	70	0.1	--
PGB84613-017	203	10	1	4	66	0.1	--
PGB84613-018	201	12	1	12	160	0.1	--
PGB84613-019	201	23	3	12	76	0.2	--
PGB84613-020	201	11	1	10	140	0.2	--
PGB84613-021	201	11	1	2	36	0.3	--
PGB84613-022	201	12	1	8	64	0.2	--
PGB84613-023	201	23	10	12	88	0.1	--
PGB84613-024	201	18	2	8	78	0.2	--
PGB84613-025	201	30	2	9	80	0.4	--
PGB84613-026	201	20	10	12	100	0.1	--
PGB84613-027	201	17	3	3	32	0.2	--
PGB84613-028	203	9	3	4	46	0.3	--
PGB84613-029	201	13	2	8	47	0.2	--
PGB84613-030	201	12	8	12	90	0.1	--
PGB84613-031	201	11	1	3	52	0.3	--
PGB84613-032	203	14	4	8	62	0.3	--
PGB84613-033	201	20	6	14	160	0.2	--
PGB84613-034	203	7	2	2	55	0.2	--
PGB84613-035	201	12	4	10	72	0.2	--
PGB84613-036	203	10	1	3	78	0.2	--
PGB84613-037	203	16	2	13	76	0.3	--
PGB84613-038	203	6	2	4	45	0.3	--
PGB84613-039	201	18	5	15	150	0.2	--
PGB84613-040	201	12	1	15	95	0.2	--

Certified by *Hart Bichler*







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• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

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CERT. # : A8412690-002  
INVOICE # : 18412690  
DATE : 28-JUN-84  
P.O. # : NONE

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm
PGB84613-041	201	12	1	9	60	0.3
PGB84613-042	201	13	1	6	76	0.3
PGB84613-043	201	9	1	9	65	0.3
PGB84613-043SILT	201	13	1	11	190	0.2
PGB84613-044	201	10	1	7	92	0.2
PGB84613-045	201	12	1	4	26	0.2
PGB84613-046	203	6	1	6	70	0.1
PGB84613-047	201	12	1	13	165	0.1
PGB84613-048	201	12	1	12	86	0.1
PGB84613-049	201	10	7	10	74	0.1
PGB84613-050	201	14	8	4	115	0.1
PGB84613-051	201	19	2	4	110	0.2
PGB84613-052	201	11	1	2	76	0.3
PGB84613-053	201	7	1	3	97	0.4
PGB84613-054	201	12	1	2	41	0.1
PGB84614-055	201	18	1	11	68	0.1
PGB84614-056	201	24	1	13	105	0.1
PGB84614-056SILT	201	11	1	13	85	0.1
PGB84614-057	201	8	15	2	225	0.1
PGB84614-058	201	17	1	5	62	0.6
PGB84614-059	203	7	1	2	30	0.1
PGB84614-060	201	11	1	3	32	0.7
PGB84614-061	201	9	1	2	60	0.2
PGB84614-062	201	22	1	9	45	0.3
PGB84614-063	201	12	1	2	47	0.3
PGB84614-064	201	18	1	7	90	0.5
PGB84614-065	201	9	1	2	40	0.3
PGB84614-066	201	19	1	3	54	0.2
PGB84614-067	201	11	1	4	20	0.6
PGB84614-068	201	25	4	15	73	0.4
PGB84614-069	203	9	1	3	43	0.5
PGB84614-070	201	18	5	20	98	0.2
PGB84614-071	203	11	1	7	38	0.7
PGB84614-072	201	15	1	13	60	0.4
PGB84614-073	201	9	2	5	32	0.6
PGB84614-074	203	18	2	7	42	0.7
PGB84614-075	203	5	1	2	38	0.7
PGB84614-076	201	22	4	12	200	0.3
PGB84614-077	201	5	3	11	53	0.1
PGB84614-078	201	15	2	17	83	0.2

*Hart Buchler*

Certified by .....



MEMBER  
CANADIAN TESTING  
ASSOCIATION



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CLIENT: CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CERT. # : A8412690-003-1  
INVOICE # : I8412690  
DATE : 28-JUN-84  
P.O. # : NONE

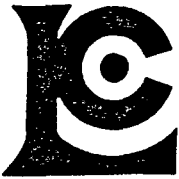
CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
PGB84614-079	203	12	3	10	55	0.3	--
PGB84614-080	201	8	1	3	47	0.2	--
PGB84614-081	201	9	1	11	75	0.2	--
PGB84614-082	203	8	1	7	56	0.2	--
PGB84614-083	201	14	1	13	215	0.2	--
PGB84614-083SILT	201	16	1	14	175	0.2	--
PGB84614-084	201	20	1	13	160	0.3	--
PGB84614-084SILT	201	12	1	8	70	0.1	--
PGB84614-085	201	15	1	11	135	0.1	--
PGB84614-086	201	15	1	10	105	0.1	--
PGB84615-087	201	17	1	11	65	0.1	--
PGB84615-088	201	18	1	9	68	0.1	--
PGB84615-089	201	22	1	9	80	0.1	--
PGB84615-090	201	17	1	11	80	0.3	--
PGB84615-091	201	13	1	8	88	0.1	--
PGB84615-092	203	9	1	2	25	0.2	--
PGB84615-093	203	10	1	2	35	0.4	--
PGB84615-094	203	20	2	8	48	0.4	--
PGB84615-095	201	17	1	18	90	0.1	--
PGB84615-096	203	49	5	13	120	0.3	--
PGB84615-097	203	12	3	2	53	2.5	--
PGB84615-098	203	15	3	5	55	0.4	--
PGB84615-099	203	7	5	3	43	0.4	--
PGB84615-100	203	18	6	8	105	0.2	--
PGB84615-101	201	21	4	14	50	0.1	--
PGB84615-102	203	15	4	4	50	0.1	--
PGB84615-103	201	15	3	4	30	0.2	--
PGB84615-104	201	21	7	11	32	0.1	--
PGB84615-105	201	18	6	17	32	0.1	--
PGB84615-106	201	18	3	23	50	0.2	--
PGB84615-107	201	11	4	9	45	0.1	--
PGB84615-108	201	11	2	17	46	0.1	--
PGB84615-109	201	26	18	15	55	0.1	--
PGB84615-110	201	21	7	15	42	0.6	--
PGB84615-111	201	20	5	22	36	0.2	--
PGB84615-112	203	15	4	13	36	1.3	--
PGB84615-113	201	24	7	23	42	0.9	--
PGB84615-114	201	54	4	11	142	0.1	--
PGB84615-115	201	14	3	16	42	0.1	--
PGB84615-116	201	10	4	12	50	0.1	--

Certified by *Hart Bichler*



MEMBER  
CANADIAN TESTING  
ASSOCIATION



# CHEMEX LABS LTD.

212 BROOKSBANK AV  
NORTH VANCOUVER, B.  
CANADA V7J 2C

TELEPHONE: (604) 984-02  
TELEX: 043-5259

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CERT. # : A8412690-004  
INVOICE # : I8412690  
DATE : 28-JUN-84  
P.O. # : NONE

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
PGB84615-117	203	11	2	3	55	0.7	---
PGB84615-118	203	6	3	1	35	0.7	---
PGB84615-118SILT	201	22	7	17	155	0.2	---
PGB84615-119	201	10	3	7	40	0.1	---
PGB84615-120	201	18	5	13	175	0.2	---
PGB84615-121	201	10	1	4	58	0.6	---
PGB84615-122	201	18	1	7	42	0.5	---
PGB84615-123	201	17	4	15	88	0.2	---
PGB84615-124	203	6	5	4	46	0.7	---
PGB84615-125	201	49	7	16	72	1.8	---
PGB84615-126	201	16	4	14	84	0.3	---
PGB84616-127A	201	9	1	2	16	0.1	---
PGB84616-127B	201	8	4	3	30	0.2	---
PGB84616-128A	203	50	1	5	36	0.2	---
PGB84616-128B	201	14	3	8	50	0.2	---
PGB84616-129	201	16	1	12	135	0.1	---
PGB84616-130	201	13	1	8	55	0.1	---
PGB84616-131	201	19	1	17	95	0.1	---
PGB84616-132	203	17	1	2	62	0.1	---
PGB84616-133	203	8	1	1	60	0.1	---
PGB84616-134	203	19	2	4	45	0.2	---
PGB84616-135	201	30	2	13	85	0.1	---
PGB84616-136	201	26	1	12	94	0.1	---
PGB84616-137	201	9	1	3	32	0.1	---
PGB84616-138	201	30	6	16	65	0.2	---
PGB84616-139	201	36	5	32	88	0.1	---
PGB84616-140	201	27	5	16	65	0.1	---
PGB84616-141	201	54	24	25	70	0.1	---
PGB84616-142	201	50	3	14	57	0.1	---
PGB84616-143	201	34	3	6	32	0.1	---
PGB84616-144	201	58	6	16	70	0.1	---
PGB84616-145	201	30	7	17	62	0.1	---
PGB84616-146	201	47	24	21	50	0.2	---
PGB84616-147	201	38	14	13	45	0.2	---
PGB84616-148	201	26	23	13	50	0.1	---
PGB84616-149	201	21	12	11	35	0.2	---
PGB84616-150	201	20	30	8	50	0.5	---
PGB84616-151	201	21	16	8	38	0.3	---
PGB84616-152	201	22	15	9	35	0.1	---
PGB84616-153	201	27	15	25	45	0.1	---

*Hart Bichler*

Certified by .....





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

: CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CERT. # : A8412690-005-1

INVOICE # : 18412690

DATE : 28-JUN-84

P.O. # : NONE

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
PGB84616-154	201	22	20	16	45	0.1	--
PGB84616-155	201	12	10	26	29	0.4	--
PGB84616-156	201	32	19	30	45	0.1	--
PGB84616-157	201	23	13	16	30	0.4	--
PGB84616-158	201	21	20	15	48	0.5	--
PGB84616-159	203	17	6	10	38	0.6	--
PGB84616-160	201	18	8	16	35	0.6	--
PGB84616-161	203	6	2	7	46	0.4	--
PGB84616-162	201	13	5	25	55	0.5	--
PGB84616-163	201	14	5	23	35	0.4	--
PGB84616-164	201	11	6	28	70	0.2	--
PGB84616-165	203	14	4	18	35	0.6	--
PGB84616-166	201	18	3	15	40	0.3	--
PGB84616-167	201	9	6	15	32	0.1	--
PGB84616-168	201	23	5	19	45	1.1	--
PGB84616-169	203	10	6	9	20	0.8	--
PGB84616-170	201	22	11	36	92	0.2	--
PGB84616-171	201	17	10	23	50	0.2	--
PGB84616-172	201	19	10	16	38	0.4	--
PGB84616-173	201	14	11	13	48	0.4	--
PGB84616-174	201	19	8	15	43	0.2	--
PGB84616-175	201	22	4	10	32	0.1	--
PGB84616-176	201	19	7	9	52	0.1	--
PGB84616-177	201	25	6	18	56	0.1	--
PGB84616-178	203	13	4	4	35	0.3	--
PGB84616-179	201	33	6	18	82	0.1	--
PGB84616-180	201	31	2	7	35	0.4	--
PGB84616-181	201	12	2	2	28	0.2	--
PGB84616-182	201	15	1	5	43	0.2	--
PGB84616-183	201	19	1	8	65	0.1	--
PGB84616-184	201	22	1	2	45	0.2	--
PGB84616-185	201	16	1	11	95	0.1	--
PGB84616-186	201	19	1	4	90	0.3	--
PGB84616-187	201	13	1	1	18	0.2	--
PGB84616-188	201	13	1	13	100	0.1	--
PGB84616-189	201	26	1	13	90	0.1	--
PGB84616-190	201	20	1	2	56	0.1	--
PGB84617-191	201	25	1	13	52	0.1	--
PGB84617-192	201	34	4	17	86	0.1	--
PGB84617-193	201	25	5	10	76	0.1	--

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# CHEMEX LABS LTD.

212 BROOKSBANK AVE  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-022

TELEX: 043-5259

## CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

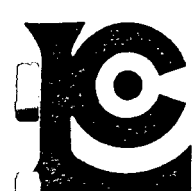
CERT. # : A8412690-006-  
INVOICE # : 18412690  
DATE : 28-JUN-84  
P.O. # : NONE

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
PGB84617-194	201	15	6	3	48	0.1	---
PGB84617-195	201	32	4	13	83	0.1	---
PGB84617-196	201	31	2	11	85	0.1	---
PGB84617-197	201	29	1	13	90	0.1	---
PGB84617-198	201	17	1	1	112	0.1	---
PGB84617-199	201	39	1	22	130	0.1	---
PGB84617-200	201	39	1	27	130	0.2	---
PGB84617-201	201	50	2	25	110	0.1	---
PGB84617-202	201	27	1	30	98	0.1	---
PGB84617-203	201	24	1	10	80	0.1	---
PGB84617-204	201	44	2	20	90	0.1	---
PGB84617-205	201	55	6	17	68	0.1	---
PGB84617-206	201	46	7	16	50	0.1	---
PGB84617-207	201	30	2	15	82	0.2	---
PGB84617-208	201	22	1	9	30	0.2	---
PGB84617-209	201	45	2	17	39	1.2	---
PGB84617-210	201	86	13	100	150	2.2	---
PGB84617-211	201	55	33	26	53	0.4	---
PGB84617-212	201	59	21	27	89	0.7	---
PGB84617-213	201	33	17	13	44	0.1	---
PGB84617-214	201	38	25	15	85	0.4	---
PGB84617-215	201	31	14	15	53	0.2	---
PGB84617-216	201	58	10	16	35	1.0	---
PGB84617-217	201	11	16	1	23	0.9	---
PGB84617-218	201	36	34	14	60	0.2	---
PGB84617-219	201	16	9	28	34	0.2	---
PGB84617-220	201	25	21	7	35	0.1	---
PGB84617-221	201	25	1	1	50	0.1	---
PGB84617-222	201	14	1	16	89	0.1	---
PGB84617-223	201	29	4	13	315	0.1	---
PGB84617-224	201	14	5	1	37	0.1	---
PGB84617-225	201	10	2	7	90	0.1	---
PGB84617-226	201	32	2	3	23	0.1	---
PGB84617-227	201	23	5	7	110	0.1	---
PGB84617-228	201	13	2	5	57	0.1	---
PGB84617-229	201	9	1	10	190	0.1	---
PGH84614-001	201	9	2	7	70	0.1	---
PGH84614-002	201	28	1	9	88	0.3	---
PGH84614-003	201	20	1	12	68	0.3	---
PGH84614-004	201	13	1	5	40	0.4	---

Certified by *Hart Bichler*





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221

TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: CHRISTOPHER, PETER & ASSOCIATES INC.

CERT. # : A8412690-007-

INVOICE # : 18412690

DATE : 28-JUN-84

P.O. # : NONE

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
PGH84614-005	201	20	3	13	68	0.1	--
PGH84614-006	201	24	7	12	70	0.1	--
PGH84614-007	201	14	5	12	55	0.1	--
PGH84614-008	201	21	10	16	58	0.3	--
PGH84614-009	201	22	10	9	38	0.1	--
PGH84614-010	201	17	4	12	48	0.4	--
PGH84614-011	201	30	7	14	60	0.8	--
PGH84614-012	201	16	9	20	62	0.2	--
PGH84614-013	201	16	9	16	65	0.2	--
PGH84614-014	201	27	5	15	57	1.5	--
PGH84614-015	201	35	10	20	58	1.9	--
PGH84614-016	201	21	12	12	56	0.3	--
PGH84614-017	201	34	13	15	65	0.3	--
PGH84614-018	201	23	10	20	68	0.4	--
PGH84614-019	201	29	18	14	72	0.2	--
PGH84614-020	201	12	4	10	36	0.3	--
PGH84614-021	201	7	3	18	36	0.2	--
PGH84614-022	201	15	9	11	62	0.5	--
PGH84614-023	201	14	9	12	50	0.3	--
PGH84614-024	201	20	10	14	180	0.2	--
PGH84614-025	201	17	10	14	88	0.1	--
PGH84614-026	201	17	7	12	90	0.1	--
PGH84614-027	201	22	3	7	150	0.3	--
PGH84614-028	201	22	2	11	65	0.3	--
PGH84614-029	201	20	1	7	75	0.4	--
PGH84614-030	201	26	3	7	65	0.4	--
PGH84614-031	201	22	3	7	92	0.2	--
PGH84614-032	201	13	1	15	73	0.1	--
PGH84614-033	201	8	1	16	100	0.1	--
PGH84614-034	201	18	1	14	85	0.1	--
PGH84614-035	201	16	1	13	140	0.1	--
PGH84614-036	201	9	1	7	90	0.1	--
PGH84614-037	201	10	1	12	92	0.1	--
PGH84614-038	201	13	1	13	100	0.1	--
PGH84614-039	201	14	1	9	62	0.1	--
PGH84614-040	201	14	1	17	120	0.1	--
PGH84615-041	201	28	1	11	138	0.1	--
PGH84615-042	201	20	1	9	100	0.1	--
PGH84615-043	201	30	1	13	122	0.1	--
PGH84615-044	201	33	1	6	80	0.1	--

Certified by *Hart Buchler* .....





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221

TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

: CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CERT. # : A8412690-008-1  
INVOICE # : I8412690  
DATE : 28-JUN-84  
P.O. # : NONE

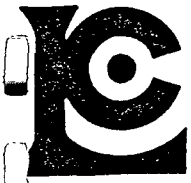
CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
PGH84615-045	201	28	1	10	135	0.1	---
PGH84615-046	201	15	3	10	105	0.1	---
PGH84615-047	201	25	8	16	145	0.5	---
PGH84615-048	201	23	5	23	90	0.3	---
PGH84615-049	201	13	10	9	83	0.1	---
PGH84615-050	201	14	14	10	80	0.2	---
PGH84615-051	201	16	12	15	132	0.1	---
PGH84615-052	201	17	10	12	62	0.4	---
PGH84615-053	201	18	7	10	72	0.1	---
PGH84615-054	201	17	8	12	53	0.1	---
PGH84615-055	201	24	12	16	60	0.9	---
PGH84615-056	201	20	14	14	53	0.4	---
PGH84615-057	201	35	15	21	75	1.3	---
PGH84615-058	201	37	4	12	60	2.1	---
PGH84615-059	201	24	6	17	52	0.3	---
PGH84615-060	201	20	6	13	38	0.2	---
PGH84615-061	201	22	7	11	53	0.2	---
PGH84615-062	201	24	8	18	52	0.6	---
PGH84615-063	201	21	9	10	63	0.1	---
PGH84615-064	201	22	11	17	52	0.1	---
PGH84615-065	201	14	8	9	58	0.1	---
PGH84615-066	201	24	9	15	55	0.1	---
PGH84615-067	201	18	5	19	86	0.5	---
PGH84615-068	201	20	4	18	50	0.1	---
PGH84615-069	201	13	5	12	82	0.1	---
PGH84615-070	201	22	4	13	94	1.1	---
PGH84615-071	201	18	2	9	95	0.4	---
PGH84615-072	201	16	3	7	56	0.1	---
PGH84615-073	201	18	5	10	100	0.2	---
PGH84616-074	201	9	1	8	64	0.1	---
PGH84616-075	201	18	1	11	85	0.1	---
PGH84616-076	201	18	1	11	90	0.1	---
PGH84616-077	201	30	2	14	102	0.1	---
PGH84616-078	201	18	1	11	95	0.1	---
PGH84616-079	201	24	1	17	88	0.1	---
PGH84616-080	201	32	3	14	75	0.1	---
PGH84616-081	201	32	5	15	73	0.1	---
PGH84616-082	201	27	3	13	70	0.1	---
PGH84616-083	201	40	3	16	85	0.2	---
PGH84616-084	201	42	3	14	96	0.1	---

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# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221

TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CERT. # : A8412690-009-

INVOICE # : 18412690

DATE : 28-JUN-84

P.O. # : NONE

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
PGH84616-085	201	48	4	16	94	0.1	---
PGH84616-086	201	55	5	16	108	0.1	---
PGH84616-087	201	48	5	16	88	0.1	---
PGH84616-088	201	30	7	20	60	0.1	---
PGH84616-089	201	66	10	13	92	0.2	---
PGH84616-090	201	78	17	17	67	0.4	---
PGH84616-091	201	65	21	16	84	0.4	---
PGH84616-092	201	50	16	8	62	0.3	---
PGH84616-093	201	56	70	27	50	0.7	---
PGH84616-094	201	55	22	9	75	0.1	---
PGH84616-095	201	23	12	10	55	0.2	---
PGH84616-096	201	35	19	17	45	0.1	---
PGH84616-097	201	41	20	21	50	0.2	---
PGH84616-098	201	22	10	21	30	0.1	---
PGH84616-099	201	40	14	18	38	0.1	---
PGH84616-100	201	17	18	30	90	0.8	---
PGH84616-101	201	14	8	18	38	0.3	---
PGH84616-102	201	11	5	14	24	0.2	---
PGH84616-103	201	10	2	17	35	0.5	---
PGH84616-104	201	16	4	16	28	0.3	---
PGM84617-001	201	15	4	9	80	0.1	---
PGM84617-002	203	18	3	3	35	0.2	---
PGM84617-003	203	19	6	7	63	0.2	---
PGM84617-004	203	20	9	12	60	0.2	---
PGM84617-005	203	21	10	14	63	0.2	---
PGM84617-006	203	11	5	5	40	0.3	---
PGM84617-007	203	16	8	6	32	0.2	---
PGM84617-008	203	43	18	28	60	2.2	---
PGM84617-009	203	14	9	6	50	0.1	---
PGM84617-010	203	11	4	1	30	0.6	---
PGM84617-011	201	20	9	17	68	0.5	---
PGM84617-012	201	12	1	1	45	0.5	---
PGM84617-013	203	9	1	2	47	0.3	---
PGM84617-014	203	11	4	3	50	0.8	---
PGM84617-015	203	10	1	2	40	0.9	---
PGM84617-016	201	14	4	11	65	0.3	---
PGM84617-017	203	8	4	1	30	0.2	---
PGM84617-018	201	17	3	6	60	0.2	---
PGM84617-019	203	13	1	8	43	0.3	---
PGM84617-020	201	21	5	9	70	0.2	---

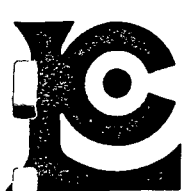
*Hart Buchler*

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# CHEMEX LABS LTD.

212BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

: CHRISTOPHER, PETER & ASSOCIATES INC.

CERT. # : A8412690-010  
INVOICE # : I8412690  
DATE : 28-JUN-84  
P.O. # : NONE

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm
PGM84617-021	203	20	1	1	25	0.3

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212 BROOKSBANK AVE.  
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CANADA V7J 2C1

TELEPHONE: (604) 984-0221

TELEX: 043-52597

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• GEOCHEMISTS

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## CERTIFICATE OF ANALYSIS

TO: CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

3582 W. 14<sup>th</sup> AVE  
VANCOUVER, B.C.  
V6R 2W4

CERT. # : A8412882-001-1

INVOICE # : 18412882

DATE : 4-JUL-84

P.O. # : NONE

PACKARD

CC: S.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	Sb ppm
PG884618-230	201	29	2	15	135	0.1	---
PG884618-231	201	20	2	9	110	0.1	---
PG884618-232	201	12	3	1	280	0.1	---
PG884618-233	201	12	7	1	32	0.1	---
PG884618-234	203	14	3	1	19	0.4	---
PG884618-235	203	25	2	1	32	0.4	---
PG884618-236	201	23	6	7	60	0.1	---
PG884618-237	203	13	8	1	62	0.1	---
PG884618-238	201	31	2	10	67	0.3	---
PG884618-239	201	21	3	13	61	0.1	---
PG884618-240	201	29	5	37	100	0.3	---
PG884618-241	201	33	12	26	79	0.1	---
PG884618-242	201	30	9	18	88	0.1	---
PG884618-243	201	21	4	8	72	0.1	---
PG884618-244	201	25	4	16	94	0.1	---
PG884618-245	201	23	3	8	60	0.2	---
PG884618-246	201	26	2	16	92	0.1	---
PG884618-247	203	10	3	1	85	0.1	---
PG884618-248	201	24	1	14	80	0.2	---
PG884618-249	201	28	3	21	103	0.1	---
PG884618-250	201	34	2	9	88	0.1	---
PG884618-251	201	21	2	16	96	0.1	---
PG884618-252	201	31	2	20	78	0.2	---
PG884618-253	203	10	2	12	85	0.1	---
PG884618-254	201	19	7	26	78	0.1	---
PG884618-255	201	13	4	18	110	0.1	---
PG884618-256	201	24	4	22	135	0.1	---
PG884618-257	201	15	6	13	100	0.1	---
PG884618-258	201	25	6	24	103	0.7	---
PG884618-259	201	28	5	35	72	0.1	---
PG884619-260	201	40	6	7	78	0.3	---
PG884619-261	203	61	4	4	35	0.5	---
PG884619-262	201	11	3	11	140	0.3	---
PG884619-263	201	11	2	21	127	0.2	---
PG884619-264	201	120	1	5	78	0.6	---
PG884619-265	201	34	2	14	135	0.1	---
PG884619-266	201	19	10	14	78	0.1	---
PG884619-267	203	15	1	5	57	0.5	---
PG884619-268	203	21	10	16	103	0.2	---
PG884619-269	201	16	8	12	100	0.1	---



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TELEPHONE: (604) 984-0221

TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

: CHRISTOPHER, PETER & ASSOCIATES INC.

CERT. # : A8412882-002-

INVOICE # : 18412882

DATE : 4-JUL-84

P.O. # : NONE

PACKARD

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	Sb ppm
PGB84619-270	201	10	2	18	90	0.1	--
PGB84619-271	201	18	3	16	105	0.3	--
PGB84619-272	201	13	3	20	92	0.3	--
PGB84619-273	201	9	2	14	102	0.4	--
PGB84619-274	201	12	1	4	90	0.7	--
PGB84619-275	201	8	1	3	33	0.4	--
PGB84619-275	201	12	1	4	49	0.5	--
PGB84619-277	201	12	1	6	72	0.7	--
PGB84619-278	201	7	2	3	63	0.3	--
PGB84619-279	201	8	2	4	122	0.2	--
PGB84619-280	201	11	2	11	190	0.4	--
PGB84619-281	201	10	1	9	60	0.3	--
PGB84619-282	201	13	3	6	50	0.1	--
PGB84619-283	201	4	1	20	78	0.3	--
PGB84619-284	201	6	1	10	150	0.4	--
PGB84619-285	201	8	1	1	115	0.3	--
PGB84622-382	201	10	--	10	140	0.2	--
PGB84622-383	201	44	--	16	190	0.1	--
PGB84622-384	201	10	--	20	178	0.3	--
PGB84622-385	201	7	--	26	65	0.5	--
PGB84622-386	201	4	--	14	85	0.5	--
PGB84622-387	201	9	--	22	88	0.6	--
PGB84622-388	201	8	--	22	163	0.4	--
PGB84622-389	201	11	--	26	93	0.4	--
PGB84622-390	201	6	--	21	42	0.4	--
PGB84622-391	201	9	--	18	85	0.3	--
PGB84622-392	201	8	--	16	113	0.2	--
PGB84622-393	201	6	--	9	48	0.4	--
PGB84622-394	201	10	--	22	68	0.7	--
PGB84622-395	201	10	--	26	90	0.5	--
PGB84622-396	201	18	--	34	120	0.8	--
PGB84622-397	201	13	--	28	100	0.6	--
PGB84622-398	201	9	--	21	78	0.6	--
PGB84622-399	201	17	--	38	148	0.3	--
PGB84622-400	201	14	--	36	108	0.6	--
PGB84622-401	201	11	--	23	112	0.5	--
PGB84622-402	201	10	--	24	80	0.6	--
PGB84622-403	201	11	--	26	97	0.6	--
PGB84622-404	201	7	--	26	148	0.4	--
PGB84622-405	201	14	--	36	105	0.6	--

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NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

: CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CERT. # : A8412882-003-A  
INVOICE # : I8412882  
DATE : 4-JUL-84  
P.O. # : NONE  
PACKARD

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	Sb ppm
PGB84622-406	201	16	--	45	145	0.7	--
PGB84622-407	201	8	--	11	60	0.3	--
PGB84622-408	201	12	--	29	82	0.7	--
PGB84622-409	201	11	--	23	88	0.5	--
PGB84622-410	201	10	--	19	85	0.6	--
PGB84622-411	201	8	--	18	173	0.4	--
PGB84622-412	201	10	--	42	157	1.6	--
PGB84622-413	201	6	--	14	95	0.5	--
PGB84622-414	201	7	--	16	85	0.5	--
PGB84622-415	201	9	--	33	130	0.6	--
PGB84622-416	201	9	--	18	90	0.4	--
PGB84622-417	201	7	--	14	72	0.3	--
PGB84622-418	201	11	--	26	118	0.5	--
PGB84622-419	201	5	--	12	43	0.3	--
PGB84622-420	201	7	--	16	88	0.7	--
PGB84622-421	201	8	--	21	68	0.5	--
PGB84622-422	201	18	--	30	52	1.8	--
PGB84622-423	201	12	--	19	120	0.1	--
PGB84622-424	201	10	--	18	110	0.1	--
PGB84622-425	201	10	--	14	275	0.4	--
PGB84622-426	201	7	--	13	80	0.4	--
PGB84622-427	201	12	--	7	125	0.1	--
PGB84622-428	201	10	--	8	110	0.2	--
PGB84622-429	201	10	--	10	85	0.6	--
PGB84622-430	201	10	--	6	82	0.4	--
PGB84622-431	201	12	--	8	90	0.3	--
PGB84622-432	201	14	--	27	110	0.7	--
PGB84622-433	201	9	--	8	68	0.5	--
PGB84622-434	201	7	--	7	45	0.3	--
PGB84622-435	201	16	--	7	80	0.3	--
PGB84622-436	201	10	--	8	75	0.4	--
PGB84622-437	201	7	--	12	65	0.3	--
PGB84622-438	201	8	--	8	68	0.3	--
PGB84622-439	201	10	--	7	70	0.4	--
PGB84622-440	201	10	--	10	186	0.2	--
PGB84622-441	201	13	--	11	115	0.5	--
PGB84622-442	201	6	--	11	62	0.4	--
PGB84622-443	201	15	--	8	88	0.2	--
PGB84622-444	201	7	--	12	223	0.4	--
PGB84622-445	201	10	--	36	210	0.2	--

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212 BROOKSBANK AVE.  
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TELEPHONE: (604) 984-0221  
TELEX: 043-52597

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## CERTIFICATE OF ANALYSIS

CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CERT. # : A8412882-004-A  
INVOICE # : I8412882  
DATE : 4-JUL-84  
P.O. # : NONE  
PACKARD

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mn ppm	Pb ppm	Zn ppm	Ag ppm	Sb ppm
PGB84622-446	201	9	--	28	80	0.5	--
PGB84622-447	201	9	--	130	235	1.0	--
PGB84623-448	201	15	5	12	108	0.1	--
PGB84623-449	201	22	3	9	105	0.1	--
PGB84623-450	201	19	7	9	90	0.1	--
PGB84623-451	201	14	3	2	46	0.8	--
PGB84623-452	201	18	5	11	81	0.3	--
PGB84623-453	201	19	1	1	25	0.6	--
PGB84623-454	201	41	1	6	60	0.2	--
PGB84623-455	201	8	2	10	80	0.2	--
PGB84623-456	201	5	3	5	52	0.3	--
PGB84623-457	201	15	1	2	43	0.4	--
PGB84623-458	201	16	1	3	80	0.1	--
PGB84623-459	201	16	1	6	88	0.1	--
PGB84623-460	201	10	1	4	67	0.4	--
PGB84623-461	201	16	3	19	83	0.1	--
PGB84623-462	201	9	1	7	88	0.2	--
PGB84623-463	201	11	1	10	127	0.1	--
PGB84623-464	201	16	3	8	110	0.3	--
PGB84623-465	201	10	1	16	125	0.2	--
PGB84623-466	201	9	1	10	120	0.3	--
PGB84623-467	201	19	3	12	188	0.2	--
PGH84618-105	201	20	2	9	90	0.3	--
PGH84618-106	201	15	2	13	95	0.1	--
PGH84618-107	201	30	4	22	238	0.3	--
PGH84618-108	201	42	3	18	140	0.1	--
PGH84618-109	201	27	33	75	93	1.6	--
PGH84618-110	201	16	7	14	58	0.5	--
PGH84618-111	201	62	46	30	45	0.4	--
PGH84618-112	201	12	1	5	42	0.2	--
PGH84618-113	201	32	2	20	122	1.4	--
PGH84618-114	201	9	4	10	53	0.4	--
PGH84618-115	201	20	10	36	50	0.4	--
PGH84618-116	201	112	160	150	100	3.5	--
PGH84618-117	201	68	44	40	43	1.2	--
PGH84618-118	201	37	22	18	55	0.2	--
PGH84618-119	201	28	10	18	55	1.0	--
PGH84618-120	201	31	10	18	35	0.6	--
PGH84618-121	201	50	20	22	40	1.5	--
PGH84618-122	201	46	2	10	128	0.2	--

*Hart Bichler*

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CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

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• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CERT. # : A8412882-005-A  
INVOICE # : I8412882  
DATE : 4-JUL-84  
P.O. # : NONE  
PACKARD

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	Sb ppm
PGH84618-123	201	50	11	19	58	0.4	--
PGH84618-124	201	45	22	60	198	1.5	--
PGH84618-125	201	7	2	3	16	0.3	--
PGH84618-126	201	56	43	25	58	0.6	--
PGH84618-127	201	51	42	21	67	0.9	--
PGH84618-128	201	44	5	17	75	0.6	--
PGH84618-129	201	48	6	19	65	0.4	--
PGH84618-130	201	39	15	21	36	0.7	--
PGH84618-131	201	23	5	11	58	0.2	--
PGH84618-132	201	38	2	16	88	0.3	--
PGH84618-133	201	30	3	37	75	0.3	--
PGH84618-134	201	33	3	54	170	0.8	--
PGH84618-135	201	29	4	17	120	0.1	--
PGH84618-136	201	30	2	20	108	0.3	--
PGH84618-137	201	25	3	16	105	0.2	--
PGH84618-138	201	46	2	16	85	0.2	--
PGH84618-139	201	30	3	12	98	0.1	--
PGH84618-140	201	19	3	10	85	0.1	--
PGH84618-141	201	34	2	16	130	0.1	--
PGH84622-142	201	10	--	12	60	0.5	--
PGH84622-143	201	13	--	6	100	0.5	--
PGH84622-144	201	16	--	10	148	0.6	--
PGH84622-145	201	19	--	16	120	0.2	--
PGH84622-146	201	330	--	1	82	0.2	--
PGH84622-147	201	45	--	13	155	0.7	--
PGH84622-148	201	12	--	93	270	0.8	--
PGH84622-149	201	12	--	22	192	0.5	--
PGH84622-150	201	6	--	10	65	0.3	--
PGH84622-151	201	8	--	10	78	0.4	--
PGH84622-152	201	5	--	16	78	0.5	--
PGH84622-153	201	7	--	10	127	0.1	--
PGH84622-154	201	2	--	9	17	0.2	--
PGH84622-155	201	370	--	10	35	2.0	--
PGH84622-156	201	10	--	11	69	0.3	--
PGH84622-157	201	10	--	56	238	0.7	--
PGH84622-158	201	5	--	20	110	0.7	--
PGH84622-159	201	6	--	90	175	1.3	--
PGH84622-160	201	4	--	15	38	0.6	--
PGH84622-161	201	4	--	11	42	0.3	--
PGH84622-162	201	4	--	12	58	0.5	--

Certified by *Hart Bichler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221

TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: CHRISTOPHER, PETER & ASSOCIATES INC.

CERT. # : A8412882-006-A

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

INVOICE # : I8412882

DATE : 4-JUL-84

P.O. # : NONE

PACKARD

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	Sb ppm
PGH84622-163	201	5	--	9	62	0.5	--
PGH84622-164	201	17	--	32	120	0.7	--
PGH84622-165	201	16	--	35	96	0.4	--
PGH84622-165	201	7	--	12	68	0.5	--
PGH84622-167	201	6	--	10	75	0.4	--
PGH84622-168	201	10	--	10	110	0.3	--
PGH84622-169	201	9	--	6	75	0.5	--
PGH84622-170	201	8	--	7	37	0.4	--
PGH84622-171	201	9	--	10	60	0.3	--
PGH84622-172	201	7	--	11	63	0.6	--
PGH84622-173	201	6	--	8	83	0.4	--
PGH84622-174	201	10	--	16	86	0.4	--
PGH84622-175	201	10	--	10	70	0.3	--
PGH84622-176	201	9	--	9	72	0.3	--
PGH84622-177	201	5	--	10	54	0.4	--
PGH84622-178	201	11	--	10	140	0.4	--
PGH84622-179	201	9	--	10	46	0.4	--
PGH84622-180	201	7	--	8	52	0.3	--
PGH84622-181	201	36	--	33	390	0.6	--
PGH84622-182	201	42	--	30	240	0.8	--
PGH84622-183	201	132	--	30	134	2.0	--
PGH84622-184	201	56	--	28	128	1.1	--
PGH84622-185	201	10	--	20	85	0.4	--
PGH84622-186	201	6	--	10	87	0.5	--
PGH84622-186A	201	7	--	16	55	0.4	--
PGH84622-187	201	8	--	9	63	0.4	--
PGH84622-188	201	9	--	15	77	0.3	--
PGH84622-189	201	9	--	13	80	0.4	--
PGH84622-190	201	28	--	6	90	1.6	--
PGH84622-191	201	11	--	12	82	0.2	--
PGH84622-192	201	6	--	20	125	0.3	--
PGH84622-193	201	7	--	36	117	0.2	--
PGH84622-194	201	16	--	33	192	0.3	--
PGH84622-195	201	8	--	12	80	0.4	--
PGH84622-195	201	9	--	12	175	0.3	--
PGH84622-197	201	8	--	11	100	0.5	--
PGH84622-198	201	11	--	14	205	0.2	--
PGH84622-199	201	10	--	13	125	0.4	--
PGH84622-200	201	5	--	14	55	0.5	--
PGH84622-201	201	7	--	12	73	0.4	--

Certified by *Hart Buchler*

MEMBER  
CANADIAN TESTING  
ASSOCIATION



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CLIENT : CHRISTOPHER, PETER & ASSOCIATES INC.

CERT. # : A8412882-007-  
INVOICE # : I8412882  
DATE : 4-JUL-84  
P.O. # : NONE  
PACKARD

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V5N 2K9

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	Sb ppm
PGH84622-202	201	16	--	6	95	0.2	--
PGH84622-203	201	9	--	8	133	0.4	--
PGH84622-204	201	20	--	7	72	0.2	--
PGH84622-205	201	13	--	11	37	0.5	--
PGH84622-206	201	8	--	8	57	0.4	--
PGH84622-207	201	8	--	10	49	0.3	--
PGH84622-208	201	9	--	5	32	0.3	--
PGH84622-209	201	5	--	10	40	0.3	--
PGH84622-210	201	7	--	8	53	0.4	--
PGH84622-211	201	6	--	9	68	0.5	--
PGH84622-212	201	6	--	10	50	0.2	--
PGH84622-213	201	14	--	11	70	0.5	--
PGH84622-214	201	7	--	8	40	0.4	--
PGH84622-215	201	46	--	40	185	0.3	--
PPC84619-001	201	14	5	14	110	0.3	0.8
PPC84619-002	201	30	18	1	140	0.4	1.4
PPC84619-003	201	11	2	9	130	0.1	0.6
PPC84619-004	201	9	1	10	83	0.2	0.4
PPC84619-005	201	9	1	6	53	0.2	0.5
PPC84619-006	201	49	6	36	145	0.6	4.0
PPC84619-007	201	33	4	40	205	0.7	4.0
PPC84619-008	201	40	10	18	80	0.4	3.0
PPC84619-009	201	43	5	30	90	0.8	3.4
PPC84619-010	201	24	7	1	75	0.3	0.8
PPC84619-011	201	11	8	2	73	0.3	1.0
PPC84619-012	201	18	5	6	118	0.4	0.1
PPC84619-013	201	43	2	7	55	0.5	1.2
PPC84619-014	201	10	3	3	240	0.2	0.1
PPC84619-015	201	7	5	1	43	0.1	0.1
PPC84619-016	201	27	1	6	182	0.2	0.2
PPC84619-017	201	10	2	2	150	0.1	0.1
PPC84619-018	201	29	3	5	50	0.3	0.4
PPC84619-019	201	17	1	2	14	0.4	0.1
PPC84619-020	201	23	1	13	90	0.2	0.2
PPC84619-021	201	15	2	14	85	0.1	0.3
PPC84619-022	201	18	2	17	84	0.1	0.5
PPC84619-023	201	17	4	14	100	0.1	0.3
PPC84619-024	201	17	7	4	64	0.2	0.4
PPC84619-025	201	21	1	13	93	0.1	0.4
PPC84619-026	201	17	1	13	83	0.1	0.4

Certified by *Hart Bichler*







# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

BY: CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CERT. # : A8412882-008-A  
INVOICE # : I8412882  
DATE : 4-JUL-84  
P.O. # : NONE  
PACKARD

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	Sb ppm
PPC84619-027	201	32	2	16	98	0.1	0.5
PPC84619-028	201	33	1	19	94	0.1	0.6
PPC84619-029	201	27	3	16	87	0.1	0.8
PPC84619-030	201	18	1	15	87	0.1	0.2
PPC84619-031	201	16	4	16	87	0.1	0.4
PPC84619-032	201	31	3	18	105	0.1	0.8
PPC84619-033	201	21	2	15	100	0.1	0.4
PPC84619-034	201	18	2	13	90	0.1	0.4
PPC84619-035	201	5	--	13	42	0.5	--
PPC84619-036	201	6	--	12	54	0.5	--
PPC84619-037	201	10	--	16	73	0.6	--
PPC84619-038	201	12	--	13	62	0.4	--
PPC84619-039	201	14	--	26	88	0.5	--
PPC84619-040	201	9	--	20	92	0.5	--
PPC84619-041	201	2	--	12	16	0.4	--
PPC84619-042	201	9	--	12	62	0.5	--
PPC84619-043	201	8	--	30	128	0.6	--
PPC84619-044	201	8	--	30	110	0.6	--
PPC84619-045	201	5	--	10	38	0.4	--
PPC84619-046	201	5	--	11	40	0.4	--
PPC84619-047	201	6	--	20	54	1.0	--
PPC84619-048	201	8	--	16	77	0.4	--
PPC84619-049	201	5	--	12	40	0.4	--
PPC84619-050	201	6	--	15	60	0.5	--
PPC84619-051	201	4	--	17	50	0.4	--
PPC84619-052	201	11	--	6	95	0.6	--
PPC84619-053	201	7	--	16	43	0.4	--
PPC84619-054	201	8	--	17	65	0.3	--
PPC84619-055	201	9	--	19	87	0.1	--
PPC84619-056	201	9	--	19	150	0.2	--
PPC84619-057	201	11	--	28	235	0.3	--
PPC84619-058	201	9	--	19	210	0.1	--
PPC84619-058A	201	30	--	25	158	0.6	--
PPC84619-059	201	30	--	23	163	0.8	--
PPC84619-060	201	10	--	3	29	0.7	--
PPC84619-061	201	9	--	19	80	0.6	--
PPC84619-062	201	8	--	34	80	0.1	--
PPC84619-063	201	9	--	16	75	0.1	--
PPC84619-064	201	9	--	17	86	0.2	--
PPC84619-065	201	8	--	14	75	0.6	--

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ASSOCIATION



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CLIENT: CHRISTOPHER, PETER & ASSOCIATES INC.

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V5N 2K9

CERT. # : A8412882-009-A  
INVOICE # : 18412882  
DATE : 4-JUL-84  
P.O. # : NONE  
PACKARD

CC: G.A. MEDFORD

Sample description	Prep code	Cu ppm	Mn ppm	Pb ppm	Zn ppm	Ag ppm	Sb ppm
PPC84619-065	201	9	--	14	70	0.5	--
PPC84619-067	201	14	--	7	24	1.4	--
PPC84619-068	201	8	--	55	40	0.5	--
PPC84619-069	201	9	--	19	65	0.4	--
PPC84619-070	201	6	--	19	58	0.2	--
PPC84619-071	201	27	--	18	118	1.4	--
PPC84619-072	201	8	--	28	142	0.1	--
PPC84619-073	201	15	--	13	165	0.4	--
PPC84619-074	201	8	--	14	96	0.5	--
PPC84619-075	201	9	--	42	143	0.3	--
PPC84619-075	201	8	--	23	102	0.6	--
PPC84619-077	201	15	--	36	225	1.0	--
PPC84619-078	201	8	--	36	115	0.2	--
PPC84619-079	201	9	--	23	93	0.2	--
PPC84619-080	201	13	--	18	102	0.4	--
PPC84619-081	201	48	--	28	123	1.0	--
PPC84619-082	201	26	--	20	190	0.6	--
PPC84619-083	201	8	--	22	108	0.3	--
PPC84619-084	201	11	--	5	73	0.7	--
PPC84619-085	201	7	--	15	68	0.3	--
PPC84619-085	201	6	--	16	63	0.3	--
PPC84619-087	201	8	--	12	82	0.2	--
PPC84619-088	201	7	--	18	66	0.4	--
PPC84619-089	201	19	--	28	108	0.4	--
PPC84619-090	201	33	--	30	160	0.8	--
PPC84619-091	201	10	--	36	103	0.1	--
PPC84619-092	201	11	--	62	145	0.1	--
PPC84619-093	201	12	--	52	155	0.1	--



MEMBER  
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ASSOCIATION

Certified by *Hart Bichler*

```
*****
# sample number Cu ppm Ag ppm Au ppb Hg ppm
*****
1 Butler Mtn Qt -porphyry 3 <.4 <10 <2
2 BL/163 W #6 Carbonaceous Qtz 3 <.4 <10 <2
3 L5/30 N basaltic dike 19 <.4 <10 <2
4 L14/450 S " " (?) 163 1.0 <10 <2
5 L6/40 N amphibolite(dike?) 9 <.4 28 <2
```

ROCK GEOCHEMISTRY  
GRID "B"

\*\*\*\*\*  
# sample number Au Ppb  
\*\*\*\*\*

1 X84-L640N 40

```

*****
#  sample number  CaO  K2O  SiO2  Al2O3  MgO  Na2O  Fe2O3  TiO2  LOI  Total %
*****
1  butler #1      .61  5.18  76.42  14.46  .03  .24  .21  .01  2.55  99.71
2  BL/163W #6    3.22  .01  88.28  .4  2.17  .01  .47  .03  5.12  99.71
3  L5/30N        2.46  .01  51.01  13.7  5  2.6  17.25  4.28  3.28  99.59

```

ROCK GEOCHEMISTRY  
GRID "B"

\*\*\*\*\*  
# sample number Pb ppm Zn ppm Sb ppm Mn ppm Hg ppb F ppm W ppm As ppm  
\*\*\*\*\*

1	Butler #1	14	5	<4	11	<10	3000	<2	<2
2	BL/163 W #6	<4	8	<4	90	<10	25	<2	2
3	LS/30 N	<4	161	<4	603	<10	480	<2	2

\*\*\*\*\*

‡ sample number Sn PPM

\*\*\*\*\*

1	butler #1	<20
2	BL/163W #6	<20
3	L5/30W	<20



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

## APPENDIX 3

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

### CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

CERT. # : A8411326-001-A  
INVOICE # : I8411326  
DATE : 23-APR-84  
P.O. # : NONE  
PRL-1

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CC: GARY MEDFORD

Sample description	Prep code	Cu ppm	Mn ppm	AS ppm	AU-AA ppb	W ppm	Sn ppm
B DSS8383-31	214	10	320	15	<10	3	2
B DSS8383-32	214	6	160	6	<10	4	1
B DSS8384-10	214	11	370	5	<10	4	1
B DSS8384-11	214	9	760	3	<10	4	1
DSS8384-28	214	14	360	19	<10	5	1
DSS8384-32	214	15	160	6	<10	4	1
DSS8384-33	214	22	540	14	<10	5	1
DSS8384-34	214	21	400	9	<10	4	1
DSS8384-35	214	18	820	11	<10	4	1
GSS8385-34	214	7	370	5	<10	3	1
GSS8385-35	214	7	220	2	<10	2	1
GSS8386-33	214	56	290	14	<10	4	1
GSS8386-34	214	50	540	14	<10	4	1
GSS8386-35	214	3	30	3	<10	4	1
GSS8386-36	214	25	230	12	<10	3	1
GSS8386-40	214	40	210	27	<10	3	1
B VDSS8382-10	214	6	440	1	<10	3	1
B VDSS8382-11	214	8	500	2	<10	4	1

B = BACKGROUND SAMPLE - OTHERS ARE WITHIN THE Ag Mo Cu Anomaly

See Medford + Christopher (1983) for sample locations

*Hart Bichler*

Certified by .....



MEMBER  
CANADIAN TESTING  
ASSOCIATION





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER & ASSOCIATES INC.

CERT. # : A8411326-001-8

INVOICE # : I8411326

DATE : 23-APR-84

P.O. # : NONE

PRL-1

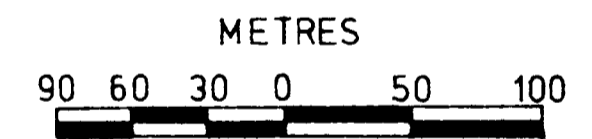
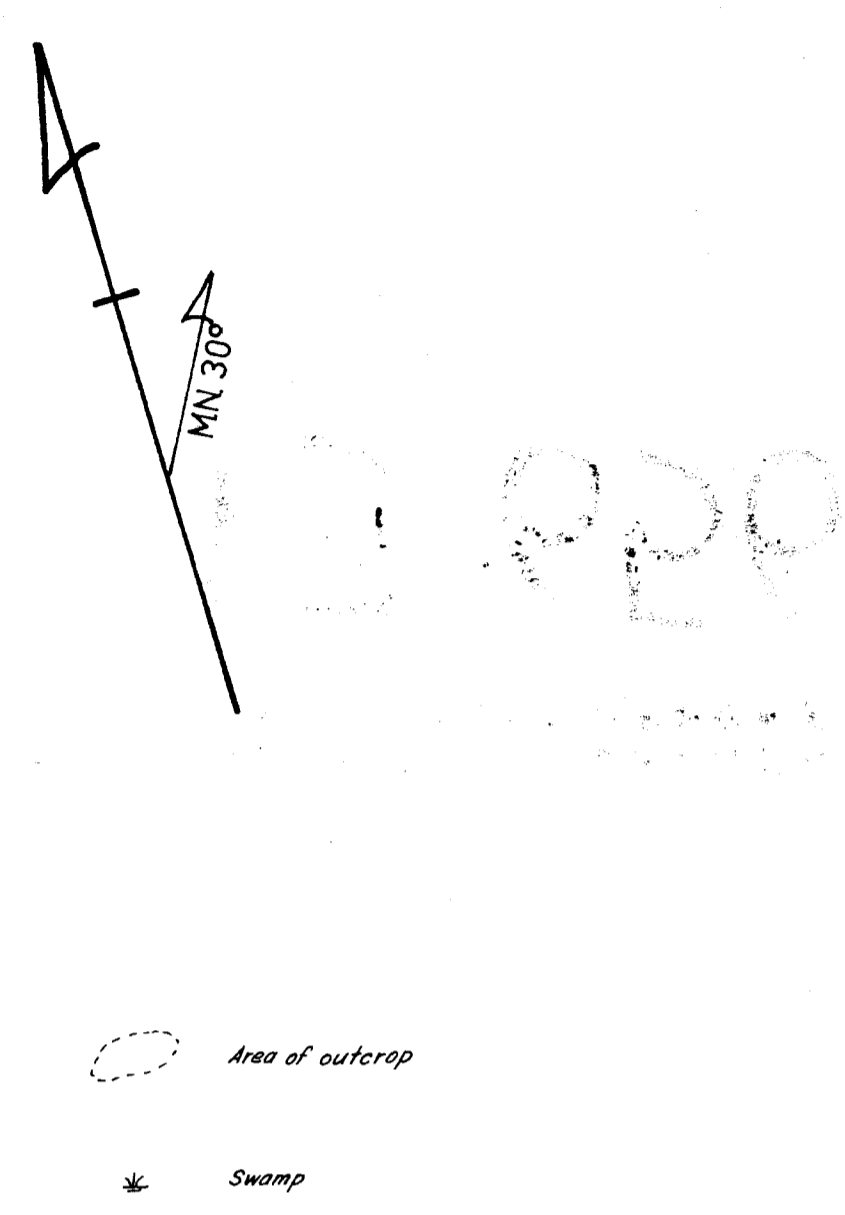
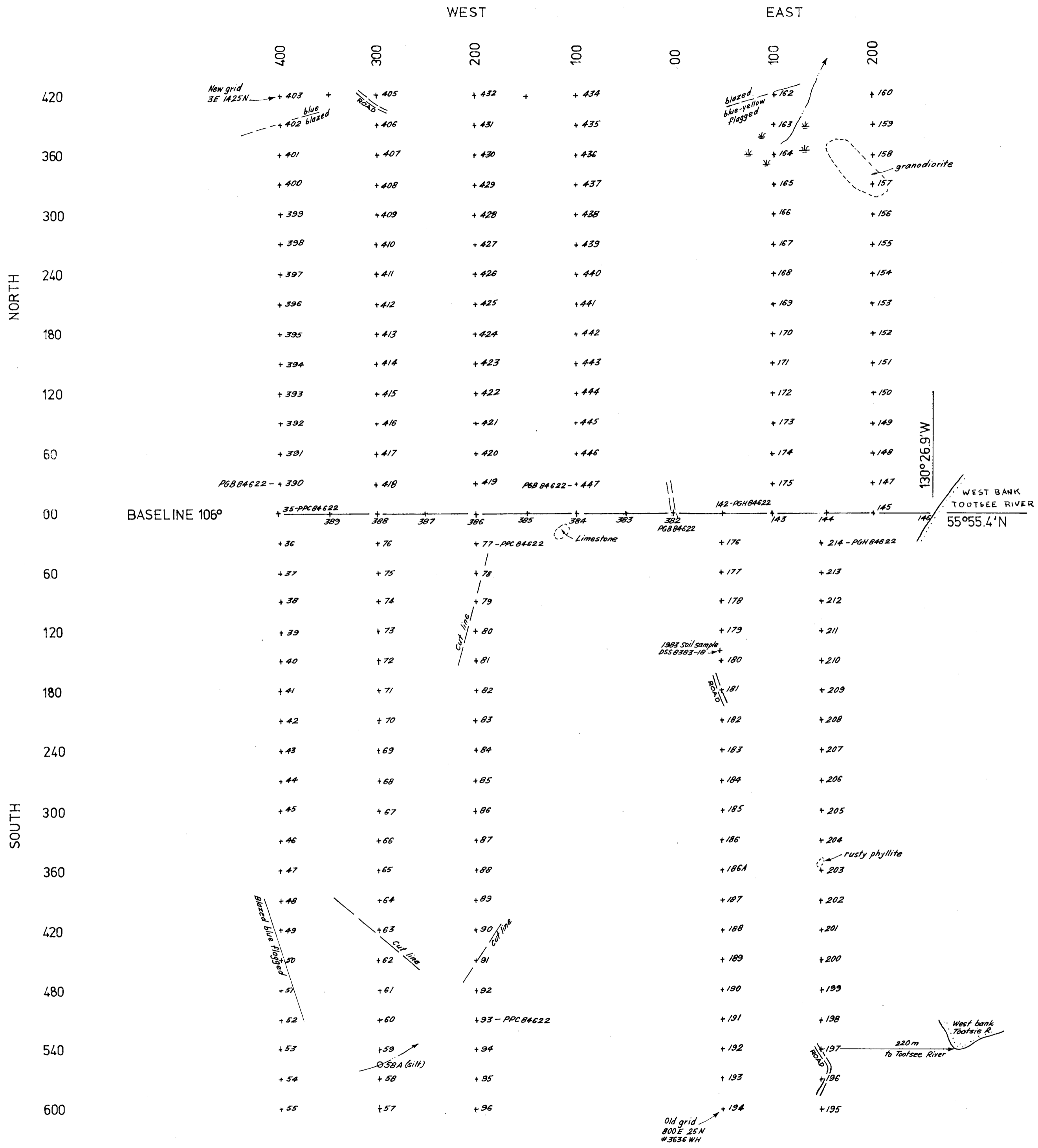
3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CC: GARY MEDEFORD

Sample description	Prep code	Hg ppb	F ppm	Sb ppm			
B DSS8383-31	214	50	250	0.2	--	--	--
B DSS8383-32	214	40	270	0.1	--	--	--
B DSS8384-10	214	60	250	0.2	--	--	--
B DSS8384-11	214	30	220	0.2	--	--	--
DSS8384-28	214	60	710	0.6	--	--	--
DSS8384-32	214	40	550	0.2	--	--	--
DSS8384-33	214	80	500	0.8	--	--	--
DSS8384-34	214	40	420	0.6	--	--	--
DSS8384-35	214	70	520	0.9	--	--	--
GSS8385-34	214	30	520	0.2	--	--	--
GSS8385-35	214	60	130	0.1	--	--	--
GSS8386-33	214	30	720	9.0	--	--	--
GSS8386-34	214	30	1100	1.7	--	--	--
GSS8386-35	214	20	110	0.6	--	--	--
GSS8386-36	214	30	580	2.2	--	--	--
GSS8386-40	214	30	940	4.0	--	--	--
B VDSS8382-10	214	30	200	0.2	--	--	--
B VDSS8382-11	214	30	230	0.1	--	--	--



Certified by *Hart Buehler*

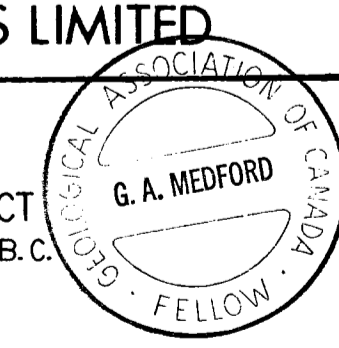


**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**13,656**

**PACKARD RESOURCES LIMITED**

MAP 6  
RANCHERIA PROJECT  
LIARD MINING DIVISION, B.C.



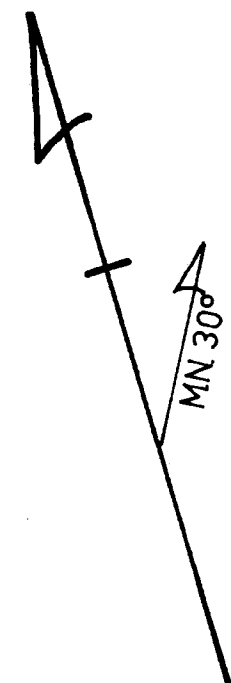
**GEOLOGY &  
SAMPLE NUMBER LOCATION MAP**  
ANOMALY "A"

G. A. MEDFORD, Ph.D., F.GAC

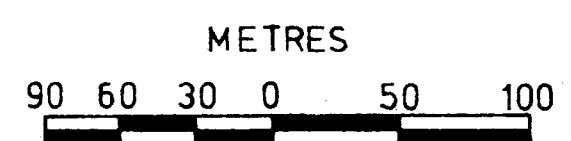
JUNE 1984

**PETER CHRISTOPHER & ASSOCIATES INC.**

NORTH	WEST					EAST	
	007	300	200	100	00	100	200
420	+11,26,97,0.6 +10,24,80,0.6	+7,26,148,0.4 +14,36,105,0.6 +16,45,145,0.7	+14,27,110,0.7 +12,8,90,0.3	+9,8,68,0.5 +7,7,45,0.3 +16,7,80,0.3		+4,12,58,0.5 +5,9,62,0.5	+4,11,42,0.3 +4,15,38,0.6 +6,90,175,1.3
360	+11,23,112,0.5 +14,36,108,0.6	+8,11,60,0.3 +12,29,82,0.7	+10,6,82,0.4 +10,10,85,0.6	+10,8,75,0.4 +7,12,65,0.3		+17,32,120,0.7 +16,35,96,0.4	+5,20,110,0.7 +10,56,238,0.7
300	+17,38,148,0.3 +9,21,78,0.6	+11,23,88,0.5 +10,19,85,0.6	+10,8,110,0.2 +12,7,125,0.1	+8,8,68,0.3 +10,7,70,0.4		+7,12,68,0.5 +6,10,75,0.4	+10,11,69,0.3 +370,10,35,2.0
240	+13,28,100,0.6 +18,34,120,0.8	+8,18,173,0.4 +10,42,157,1.6	+7,13,80,0.4 +10,14,275,0.4	+10,10,186,0.2 +13,11,115,0.5		+10,10,110,0.3 +9,6,75,0.5	+2,9,17,0.2 +7,10,127,0.1
180	+10,26,90,0.5 +10,22,68,0.7	+6,14,95,0.5 +7,16,85,0.5	+10,18,110,0.1 +12,19,120,0.1	+6,11,62,0.4 +15,8,88,0.2		+8,7,37,0.4 +9,10,60,0.3	+5,16,78,0.5 +8,10,78,0.4
120	+6,9,48,0.4 +8,16,113,0.2	+9,33,130,0.6 +9,18,90,0.4	+18,30,52,1.8 +8,21,68,0.5	+7,12,223,0.4 +10,36,218,0.2		+7,11,63,0.6 +6,8,83,0.4	+6,10,65,0.3 +12,22,192,0.5
60	+9,18,85,0.3 +6,21,42,0.4	+7,14,72,0.3 +11,26,118,0.5	+7,16,88,0.7 +5,12,43,0.3	+9,28,80,0.5 +9,130,235,1.0		+10,16,86,0.4 +10,10,70,0.4	+12,93,278,0.8 +45,13,153,0.7
00	BASELINE 106°						WEST BANK TOOTSEE RIVER 55°55.4'N 330,1,82,0.2
60	+10,16,73,0.6 +12,13,62,0.4	+9,42,143,0.3 +8,14,96,0.5	+8,36,115,0.2 +9,23,93,0.2			+5,10,54,0.4 +11,10,140,0.4	+7,8,40,0.4 +14,11,70,0.5
120	+14,26,88,0.5 +9,20,92,0.5	+15,13,165,0.4 +8,28,142,0.1	+13,18,102,0.4 +48,28,123,1.0			+9,10,46,0.4 +7,8,52,0.3	+6,10,59,0.2 +6,9,68,0.5
180	+2,12,16,0.4 +9,12,62,0.5	+27,18,118,1.4 +6,19,58,0.2	+26,20,190,0.6 +8,22,108,0.3			+36,33,330,0.6 +42,30,240,0.8	+7,8,53,0.4 +5,10,40,0.3
240	+8,30,128,0.6 +8,30,110,0.6	+9,19,65,0.4 +8,55,40,0.5	+11,5,73,0.7 +7,15,68,0.3			+132,30,134,2.0 +56,28,128,1.1	+9,5,32,0.3 +8,10,49,0.3
300	+5,10,38,0.4 +5,11,40,0.4	+14,7,24,1.4 +9,14,70,0.5	+6,16,63,0.3 +8,12,82,0.2			+10,20,85,0.4 +6,10,87,0.5	+8,8,57,0.4 +13,11,37,0.5
360	+6,20,54,1.0 +8,16,77,0.4	+8,14,75,0.6 +9,17,86,0.2	+7,18,66,0.4 +19,28,108,0.4			+7,16,55,0.4 +8,9,63,0.4	+20,7,72,0.2 +9,8,133,0.4
420	+5,12,40,0.4 +6,15,60,0.5	+9,16,75,0.1 +8,34,80,0.1	+33,30,160,0.8 +10,36,103,0.1			+9,15,77,0.3 +9,13,80,0.4	+16,6,95,0.2 +7,12,73,0.4
480	+4,17,50,0.4 +11,6,95,0.6	+9,19,80,0.6 +10,3,29,0.7	+11,62,145,0.1 +12,52,155,0.1			+28,6,90,1.6 +11,12,82,0.2	+5,14,55,0.5 +10,13,125,0.4
540	+7,16,43,0.4 +8,17,85,0.3	+30,23,163,0.8 +30,23,163,0.8 +9,19,210,0.1				+6,20,125,0.3 +7,36,117,9.2	+11,14,205,0.2 +8,11,100,0.5
600	+9,19,87,0.1 +9,19,150,0.2	+11,28,235,0.3 +9,19,150,0.2				+16,33,192,0.3 +8,12,80,0.4	+9,12,175,0.3



+ 2,9,17,0.2 ..... Cu, Pb, Zn, Ag (values in ppm)



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**13,656**

PACKARD RESOURCES LIMITED

MAP 7

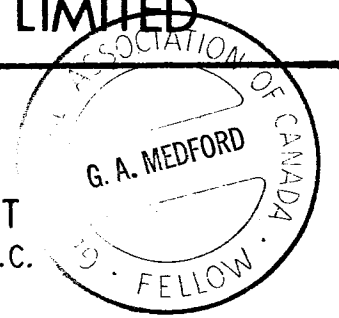
RANCHERIA PROJECT  
LIARD MINING DIVISION, B.C.

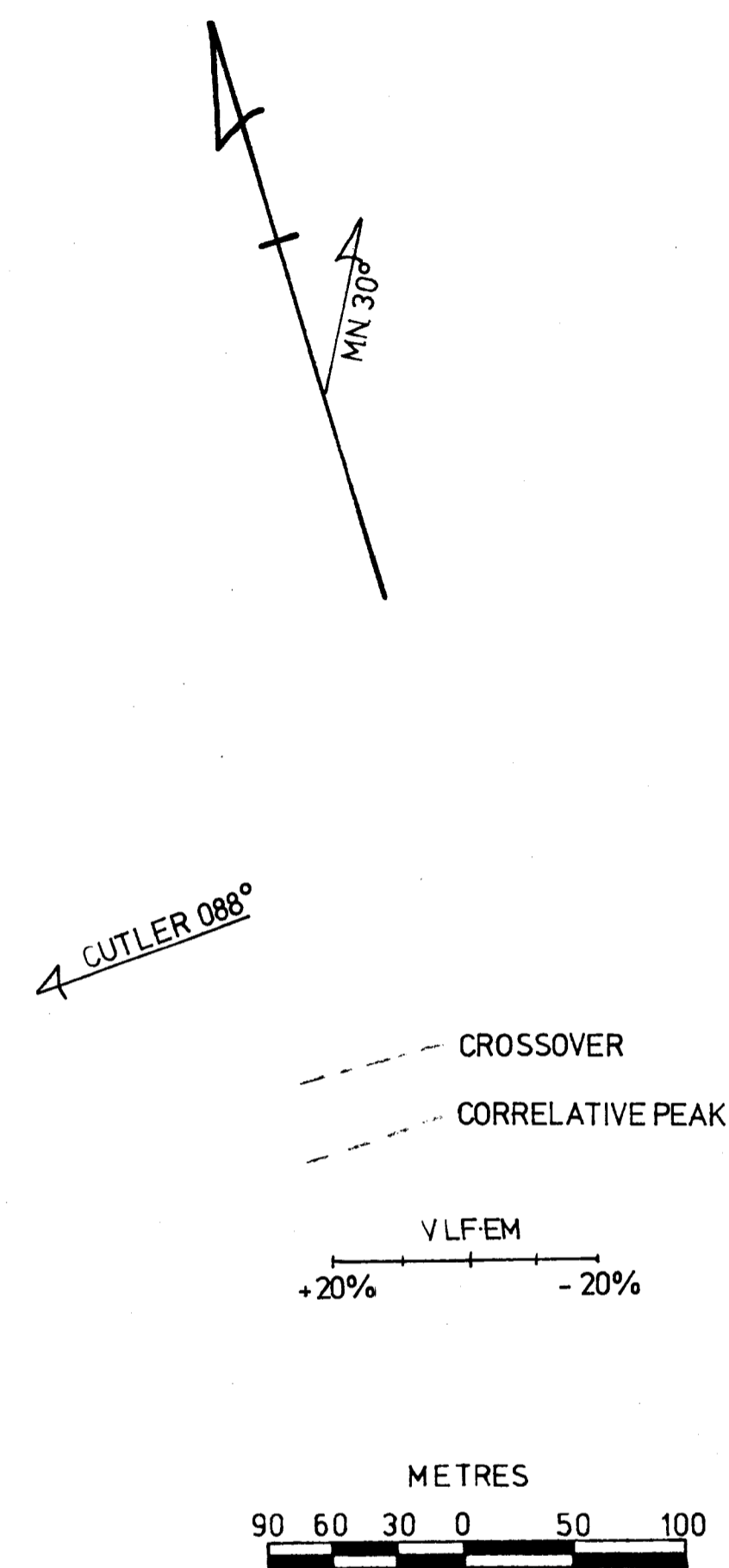
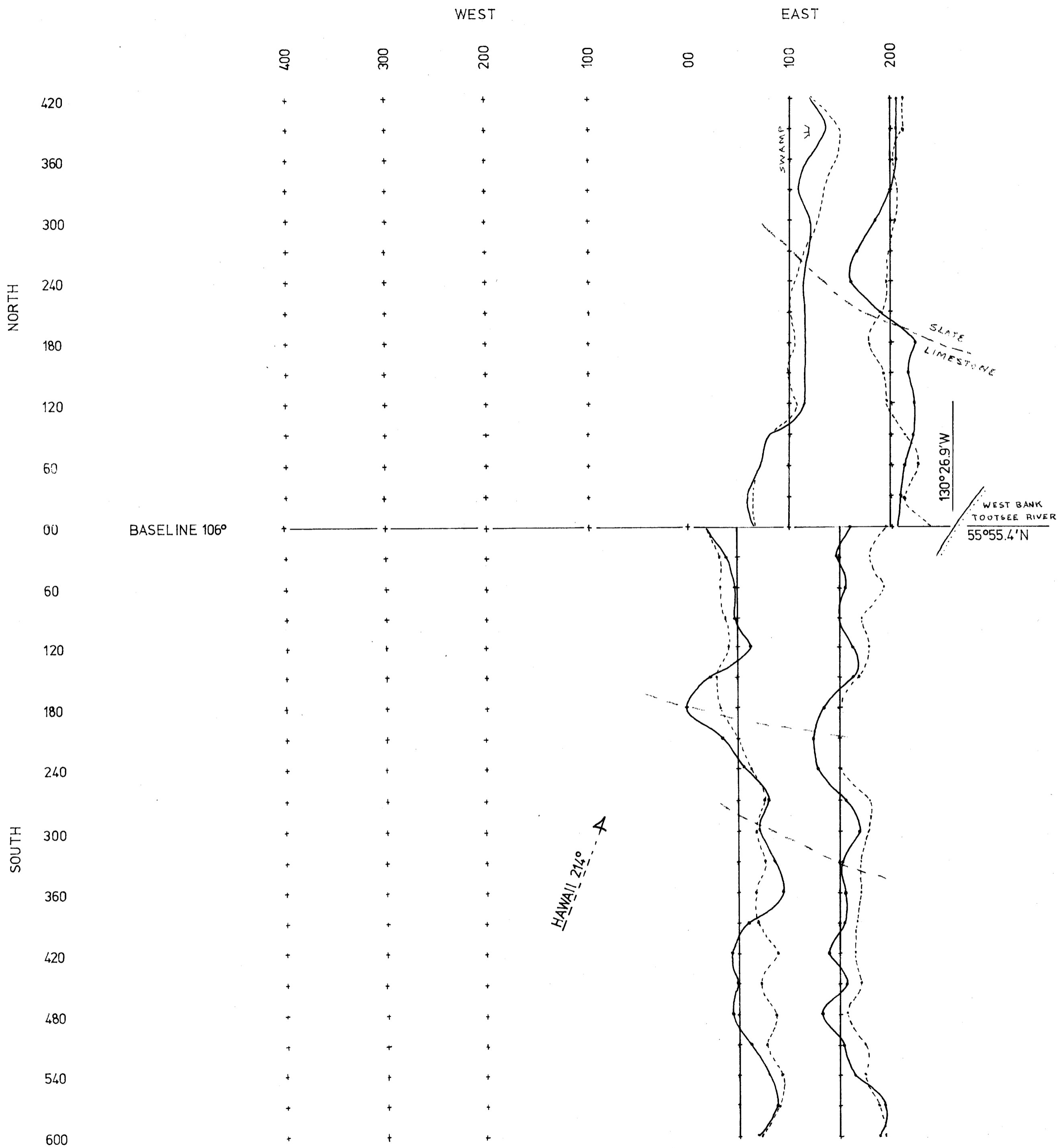
**SOIL & SILT GEOCHEMISTRY**  
**Cu, Pb, Zn, Ag**  
ANOMALY "A"

G. A. MEDFORD, Ph.D., FGAC

JUNE 1984

PETER CHRISTOPHER & ASSOCIATES INC.





13,656

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MAP 8

RANCHERIA PROJECT  
LIARD MINING DIVISION, B.C.

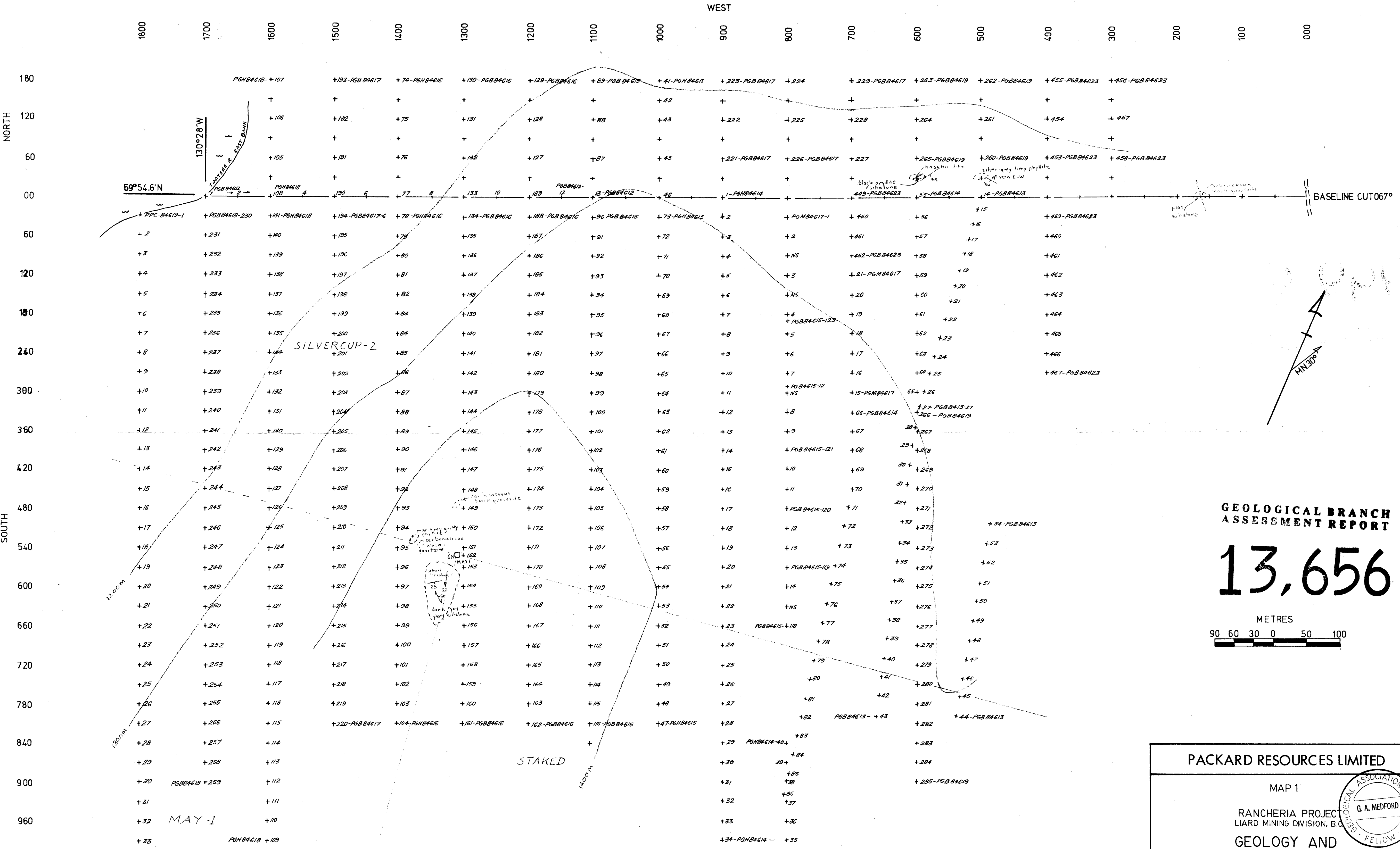
VLF-EM TRAVERSES-RAW DATA  
ANOMALY "A"

G. A. MEDFORD, Ph.D., FGAC

JUNE 1984

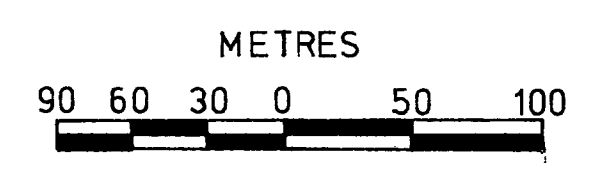
PETER CHRISTOPHER & ASSOCIATES INC.

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ASSESSMENT REPORT**

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MAP 1

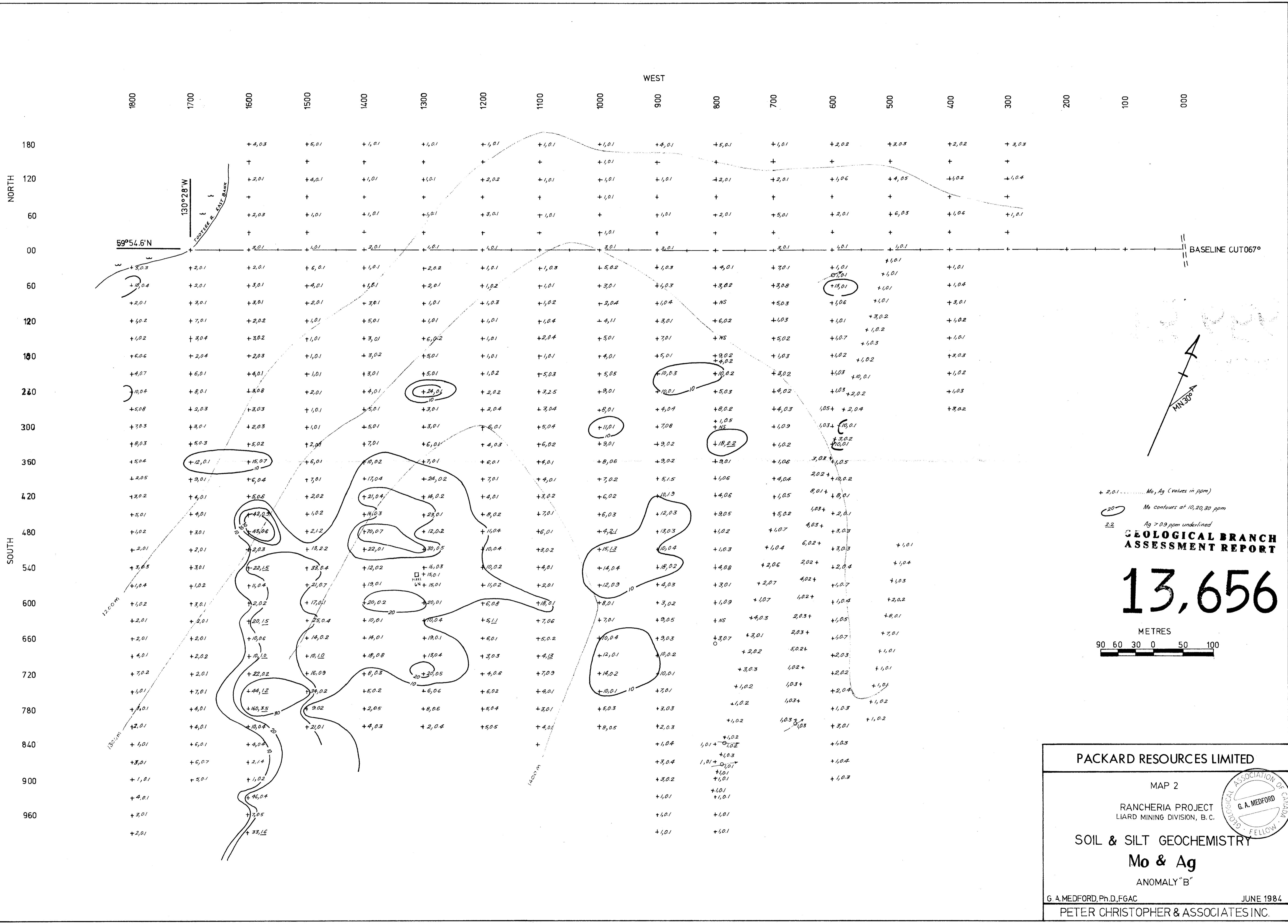
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LIARD MINING DIVISION, B.C.

**GEOLOGY AND  
SAMPLE LOCATION MAP**

ANOMALY "B"

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+ 2.01 ..... Mo, Ag (values in ppm)  
 20 ..... Mo contours at 10, 20, 30 ppm  
 2.2 ..... Ag > 0.9 ppm underlined

**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

**13,656**

METRES  
 90 60 30 0 50 100

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MAP 2

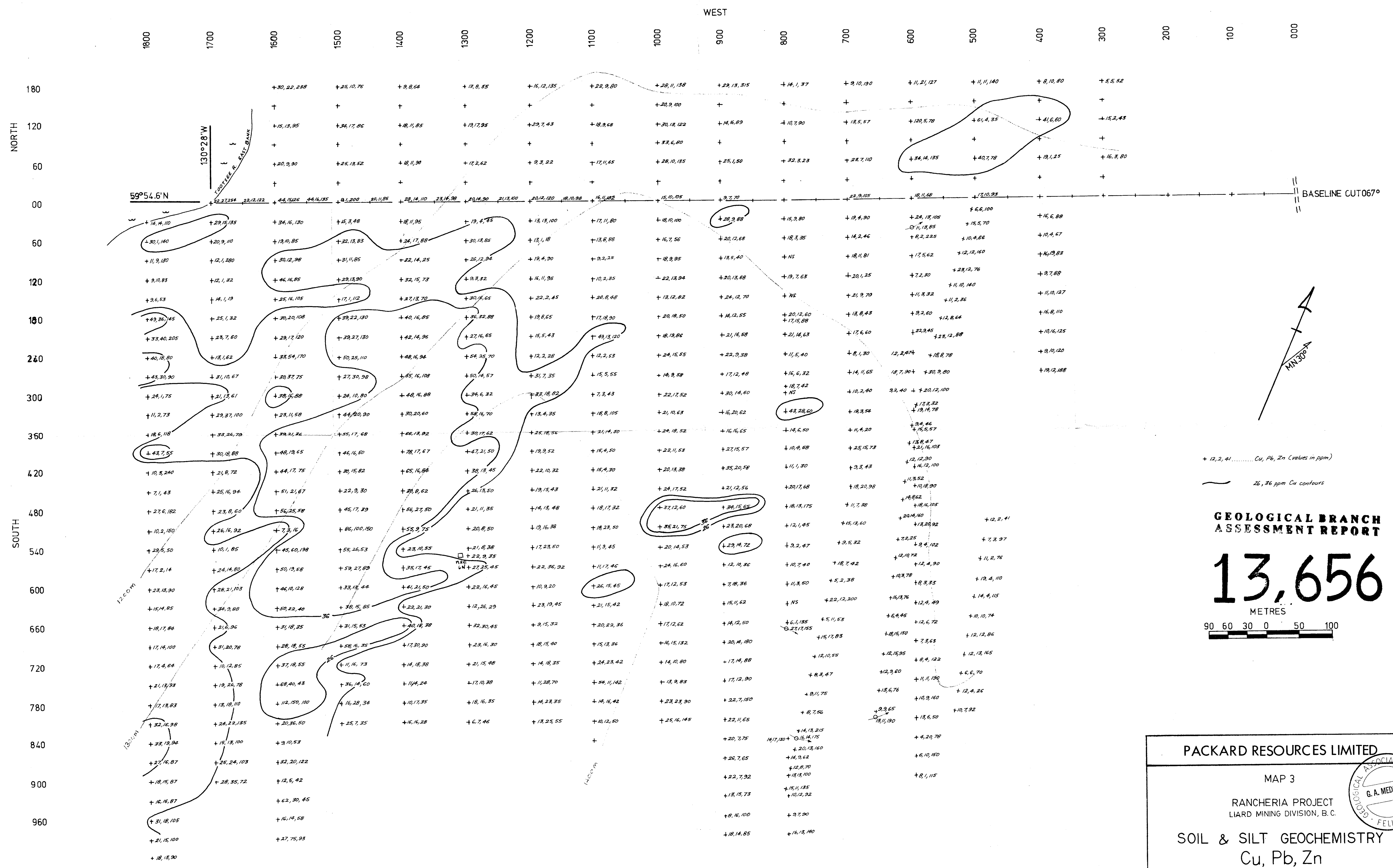
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 LIARD MINING DIVISION, B. C.

**SOIL & SILT GEOCHEMISTRY**  
**Mo & Ag**  
 ANOMALY "B"

G. A. MEDFORD, Ph.D., FGAC  
 PETER CHRISTOPHER & ASSOCIATES INC.

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*(Circular stamp: GEOLOGICAL ASSOCIATION OF CANADA, G. A. MEDFORD, FELLOW)*



+ 12, 2, 41 ..... Cu, Pb, Zn (Values in ppm)  
 ~~~~~ 26, 36 ppm Cu contours

**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

**13,656**  
 METRES

90 60 30 0 50 100

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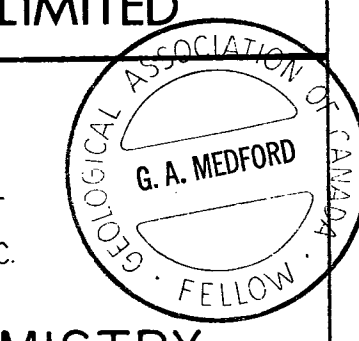
MAP 3

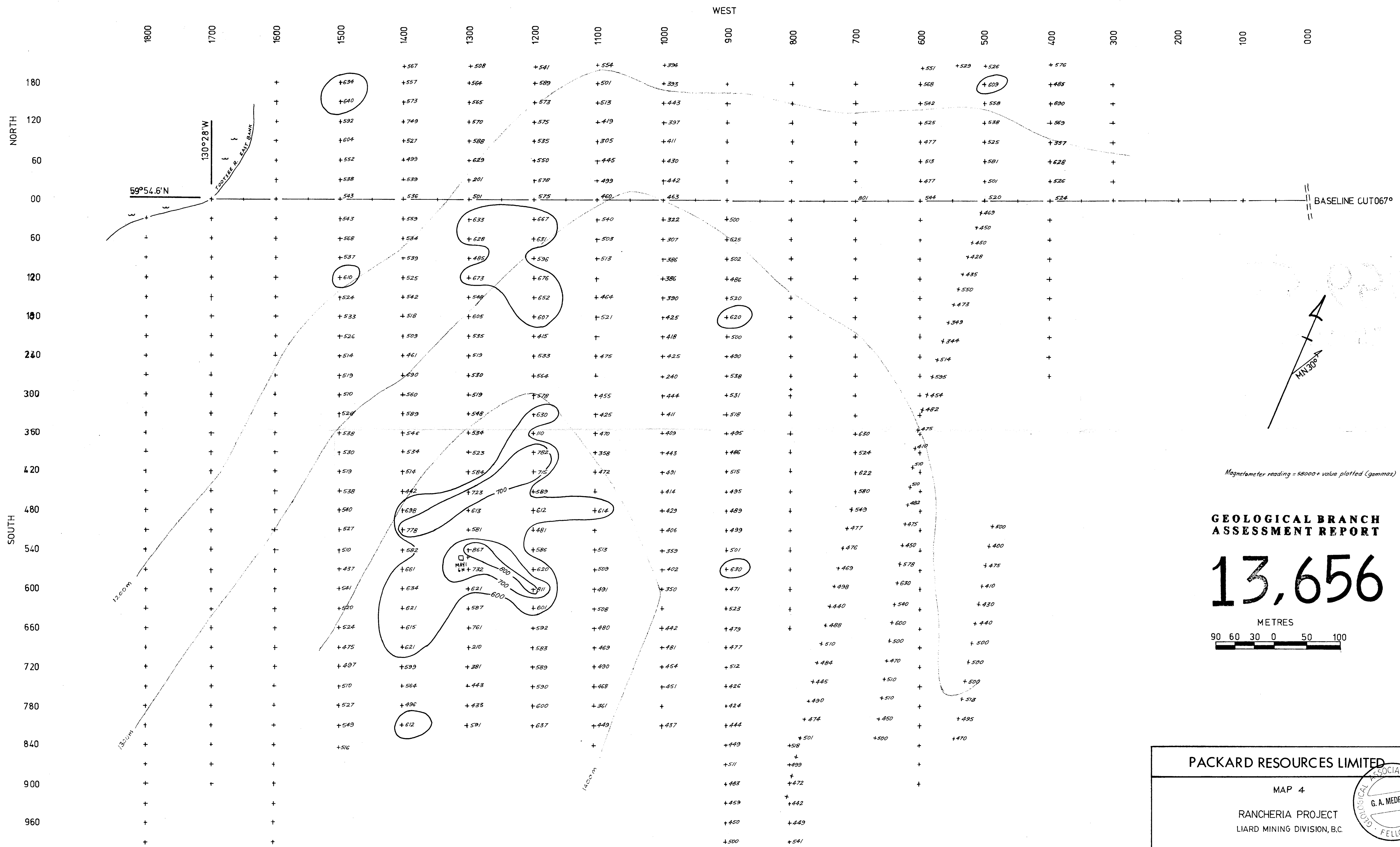
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**SOIL & SILT GEOCHEMISTRY**  
 Cu, Pb, Zn  
 ANOMALY "B"

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**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**13,656**

METRES

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MAP 4

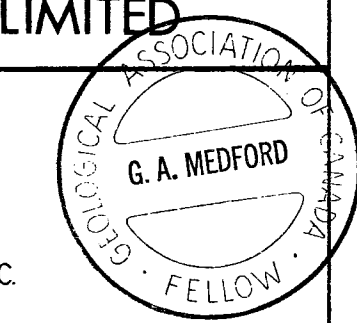
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**MAGNETOMETER SURVEY  
ANOMALY "B"**

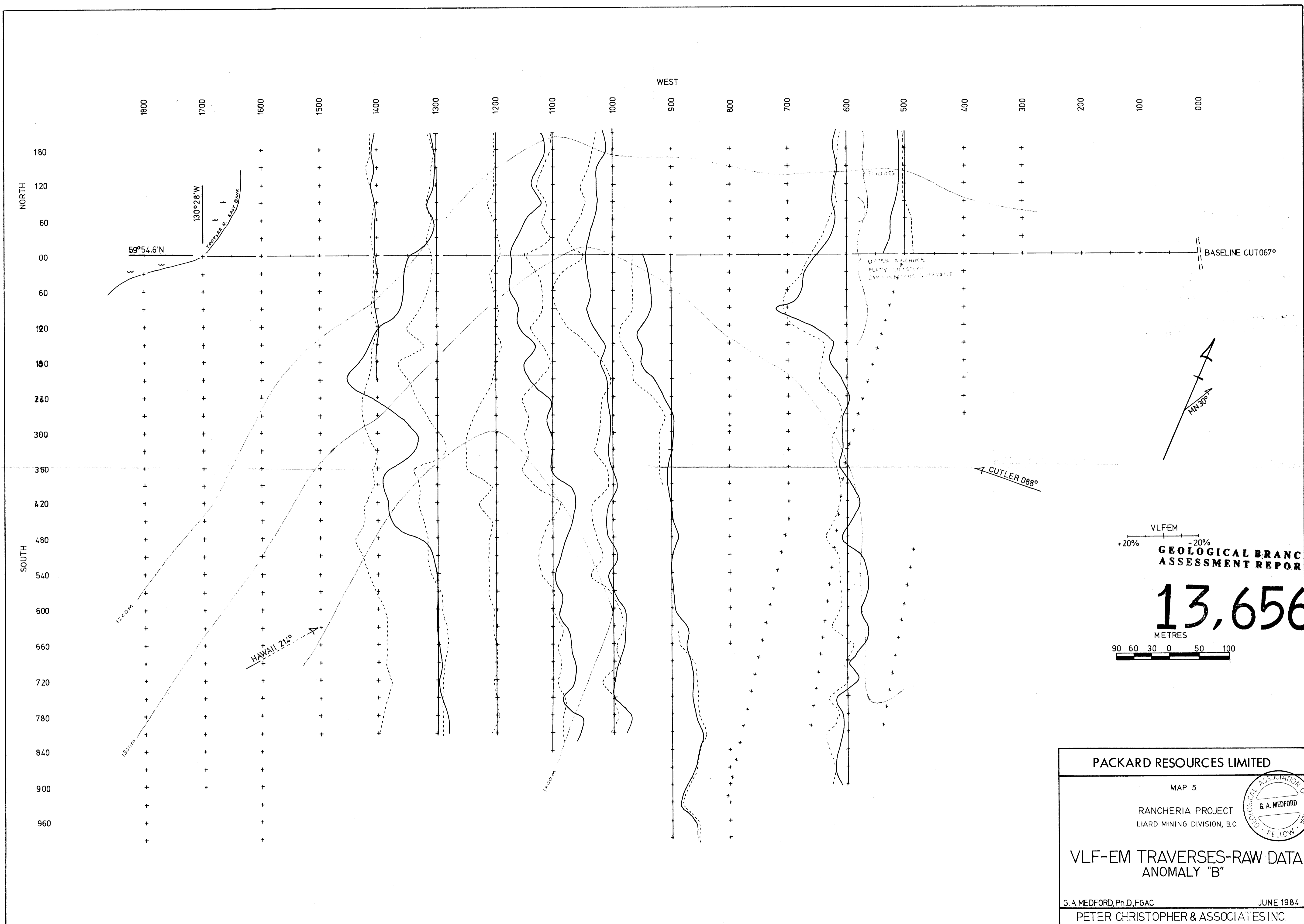
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MAP 5

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VLF-EM TRAVERSES-RAW DATA  
ANOMALY "B"

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