

REPORT ON GEOCHEMICAL  
AND GEOPHYSICAL SURVEYS OVER  
PORTIONS OF THE BARNATO GROUP,  
KETTLE RIVER AREA, B. C.

for

CONSOLIDATED SILVER RIDGE MINING COMPANY LTD.

333 - 885 Dunsmuir Street  
VANCOUVER, B. C.

by

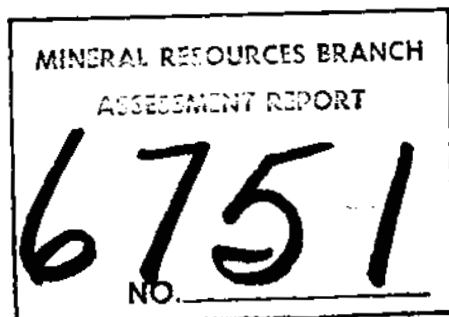
RICHARD O. CROSBY, B.Sc., P.Eng.

GEARHART VON ROSEN, M.Sc., P.Eng.

CLAIMS: (FOLLOWING PAGE)

LOCATION: On Lake Ridge, approximately  
50 kilometers southeast of  
Kelowna, B. C.

Vancouver, B. C.



June 5, 1978

CLAIMS

<u>NAME</u>	<u>LOT NO:</u>	<u>ACRES</u>
ANCHOR	2866	51.64
BARNATO	2848	51.11
BARNATO FR.	2865	7.11
CHAMPION	2863	47.86
DENVER	2862	49.38
HACKLA	2847	48.16
HUNTER	2859	35.28
MAME	2864	46.60
MONETOR	2858	46.68
KAFFIR KING	2646	44.07
RAMBLER	2861	51.65
SILVER BELL	2644	45.87
SILVER DOLLAR	2842	44.00
YORKSHIRE LASS	3024	47.17

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SUMMARY

A VLF-electromagnetic survey and geochemical sampling recently completed over a portion of the Barnato group, have indicated anomalous responses which could indicate vein type mineralization.

A diamond drill hole is recommended to test the area.

REPORT ON GEOCHEMICAL AND  
GEOPHYSICAL SURVEYS OVER PORTIONS  
OF THE BARNATO GROUP  
KETTLE RIVER AREA, B. C.

INTRODUCTION

During the period May 8 to May 12, 1978, Mr. G. Von Rosen executed a VLF-EM survey and collected soil samplings over portions of the Barnato Group of mineral claims located in the Kettle River area, B. C. on behalf of Consolidated Silver Ridge Mining Company Ltd. Figure 1.

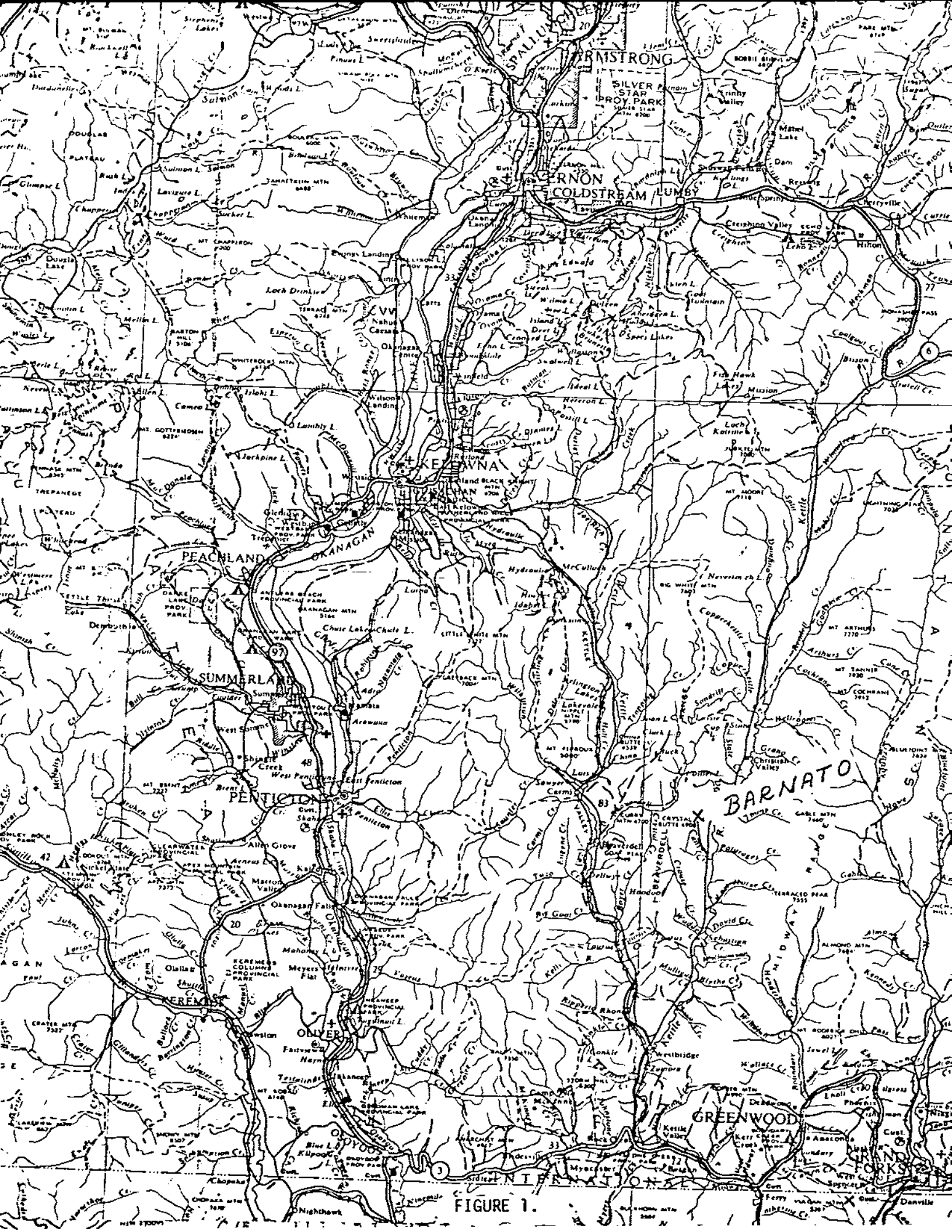
The property lies at an elevation of from 3000 to 4800 feet, west of the Kettle River about 50 kilometers southeast of Kelowna, B. C. A Geonics EM-16 was used on the geophysical survey.

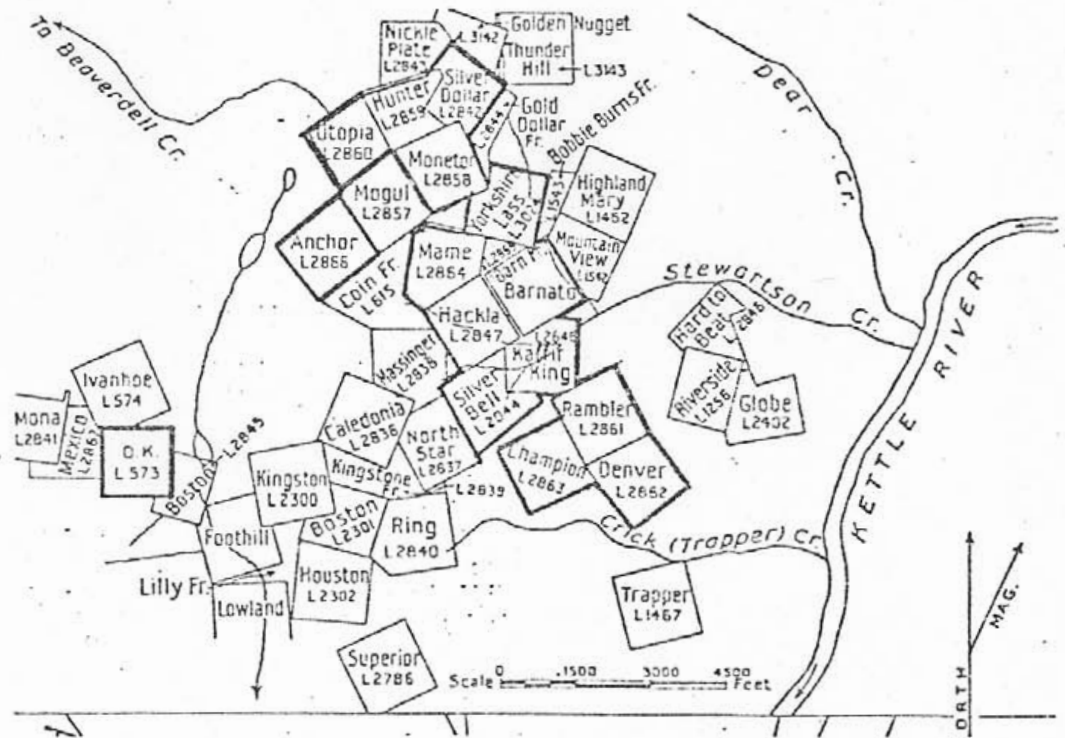
Readings were taken at intervals of 50 meters along lines oriented northwest-southeast and separated by 50 meters. A total of 6 1/2 kilometers of survey were completed by the survey. Soil samples were collected at each VLF Station, and 20 samples were assayed for copper, molybdenum, lead, zinc, gold, silver and arsenic. Chemex Labs Ltd. assayed the samples.

The purpose of these surveys was to locate anomalous areas which might be related to economic concentrations of gold.

GEOLOGY

A description of the geology of the area including and surrounding the Barnato Group is found on GSC Map 6-1957, Kettle River, British Columbia, Sheet 82E (East Half). Volcanic rocks of the Anarchist or Wallace group of late Paleozoic or early Mesozoic age underlie





82E/7W

the claim group. Seraphium reports that most of the exposures on the claim group appear to quartz diorite. Dacite and rhyolite volcanic rocks are more common in the vicinity of the mineral deposits.

#### Discussion of Results

Plates 1 and 2, on the scales of 1:1000 show the results of the VLF-EM 16 survey in numerical and filtered contour forms respectively. Plate 1 shows the in-phase and quadrature readings and Plate 2 shows the in-phase component contoured a 5% intervals. NPG-Seattle at a frequency of 18.6 kilohertz was the transmitting station.

Plate 2 is dominated by two arcuate conductive zones located in the southeastern part of the grid. Eight conductors of limited extent are recorded north of the baseline.

Plate 3, on the scale of 1:1000 show the results of the geochemical survey.

Plate 4, also on the scale of 1:1000 shows the surficial details of the claim area along with results of the geophysical survey and the geochemical results.

Coincident electromagnetic conductors and geochemical anomalies were recorded in eastern quarter of the Barnato claim. Electromagnetic conductors were recorded over gossan areas and veins north of the base line on the Hackla and Barnato claims.



CONCLUSIONS AND RECOMMENDATIONS

The present geophysical and geochemical survey results indicate the possibility of vein type sulphide mineralization. It is recommended that the anomalous responses be tested by diamond drilling. Collar at 800W on line 2500N. Drill vertical, T.D. 75 meters.

Respectively submitted,

*Richard O. Crosby*  
RICHARD, O. CROSBY, P.Eng.

*G. Von Rosen (RFS)*  
G. VON ROSEN, P.Eng.

## STATEMENT OF EXPENDITURES

BARNATO GROUPPERSONNEL

May 9-11, 1978	G. VonRosen	\$600.00
May 9-10, 1978	X. VonRosen	\$200.00

ROOM & BOARD

4 days @ \$40.00	\$160.00
1 day @ \$20.00	20.00

TRANSPORTATION

May 8	G. VonRosen	\$125.00
	X. VonRosen	60.00
May 12	G. VonRosen	125.00
	X. VonRosen	60.00
Mileage 670 miles @ \$0.20	134.00	
Gasoline etc.	45.00	

INSTRUMENT RENTAL

EM 16-VLF - 5 days @ \$12.00	60.00
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SURVEYS

May 9-11,	3 days, VLF-EM16, 5.9 km, \$156/line	
	km.	\$1,852.00 TOTAL COST
May 9-11,	3 days, Soil sampling,	
	5.9 km, \$156/line km.	

ANALYSES

20 samples analyzed - Cu, Pb, Zn, Ag, Au,	
Ag	\$155.00 TOTAL

REPORT & COMPILATION

\$500.00
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ASSESSMENT DETAILS

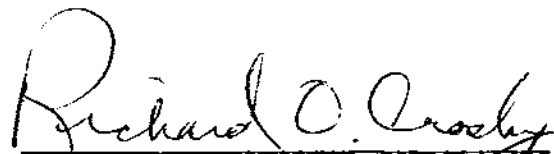
CLAIMS:	BARNATO GROUP (See page following title page)
LOCATION:	Kettle River Area, British Columbia.
CLIENT:	CONSOLIDATED SILVER RIDGE MINES LTD. 333 - 885 Dunsmuir Street North Vancouver, B. C.
TYPE OF SURVEY:	VLF-GEOCHEMICAL
OPERATING MAN DAYS: 7	DATE STARTED: May 8, 1978
CONSULTING MAN DAYS: 1	DATE FINISHED: May 26, 1978
COMPILING MAN DAYS: 1	KILOMETERS OF SURVEY: 6.5 Kms.
DRAFTING MAN DAYS: 2	
TOTAL MAN DAYS: 11	

CONSULTANT

Richard O. Crosby, 422 - 510 West Hastings Street, Vancouver, B. C.

FIELD PERSONNEL

G. Von Rosen, P.Eng. 422 - 510 West Hastings Street, Vancouver, B. C.


  
 RICHARD O. CROSBY, B.Sc., P.Eng.  
 Geophysicist

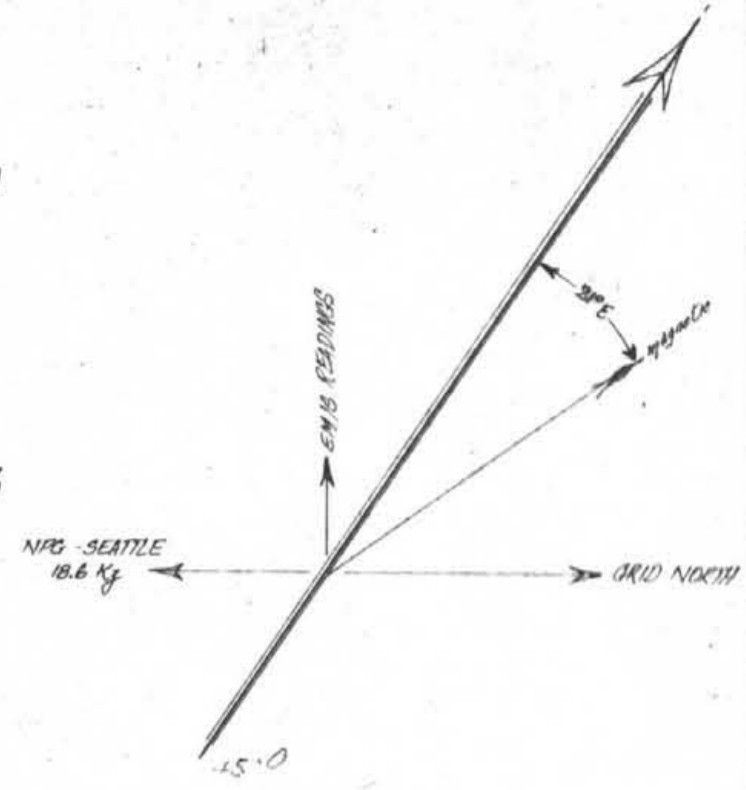
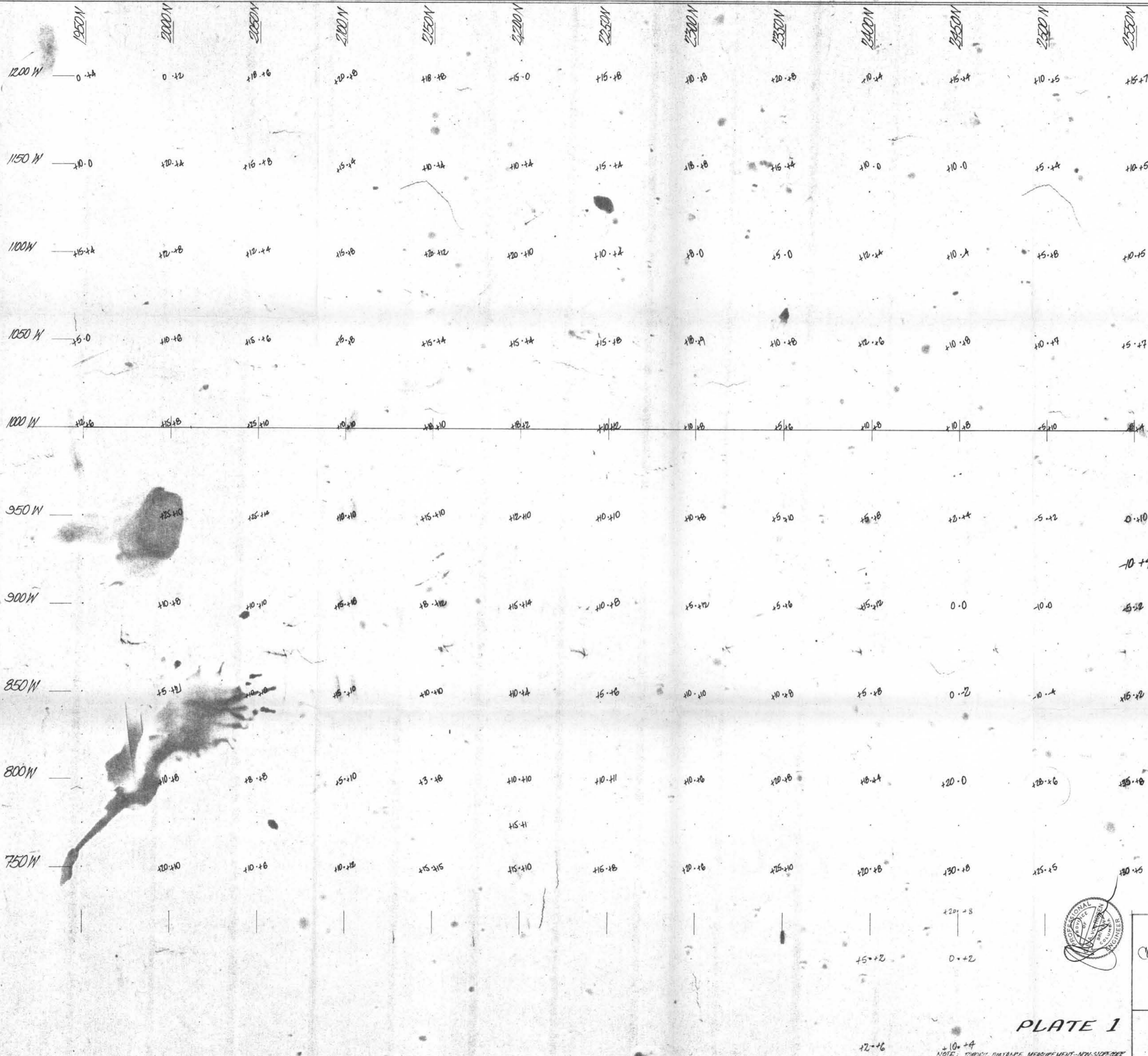
CERTIFICATION

I, Richard O. Crosby, of the City of Vancouver, Province of British Columbia, hereby certify as follows:

1. I am a Consulting Geophysicist with offices at 422 - 510 West Hastings Street, Vancouver, B. C.
2. I am a registered Professional Engineer of British Columbia. I graduated from Washington State University in 1951.
3. I have practiced my profession for 23 years.
4. I have no interest, direct or indirect, in the mineral claims discussed in this report, or the securities of Consolidated Silver Ridge Mines Ltd. or its affiliates, nor do I expect to receive any.
5. I did not examine the permit area, but I am not aware of any claim conflict and believe that the data presented herein is reliable.
6. I consent to the use of this report in, or in connection with the prospectus, or in a statement of material facts relating to the raising of funds for this project.

Dated at Vancouver, British Columbia, this 5th day of June, 1978.

  
RICHARD O. CROSBY, B.Sc., P.Eng.



BASELINE

LEGEND

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**6751**  
20 +10

FIGURE

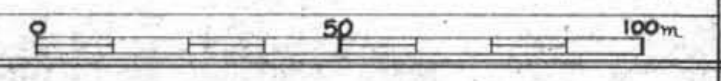


GEAREX ENGINEERING  
VANCOUVER  
CONSOLIDATED SILVER RIDGE  
MINES LTD.  
BARNATO GROUP  
BEAVERDELL RANGE - E KENTLE  
82E7W

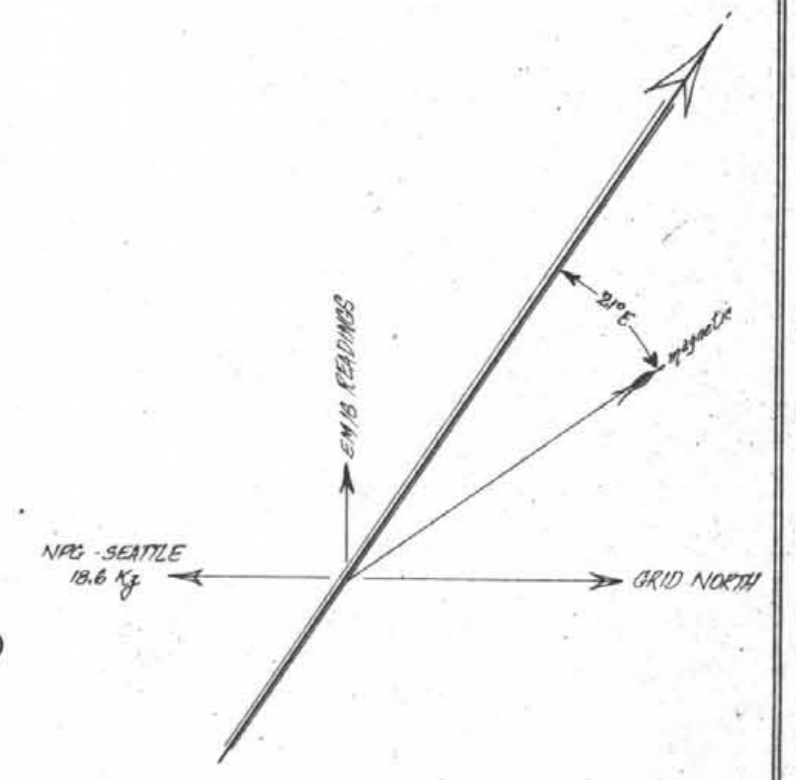
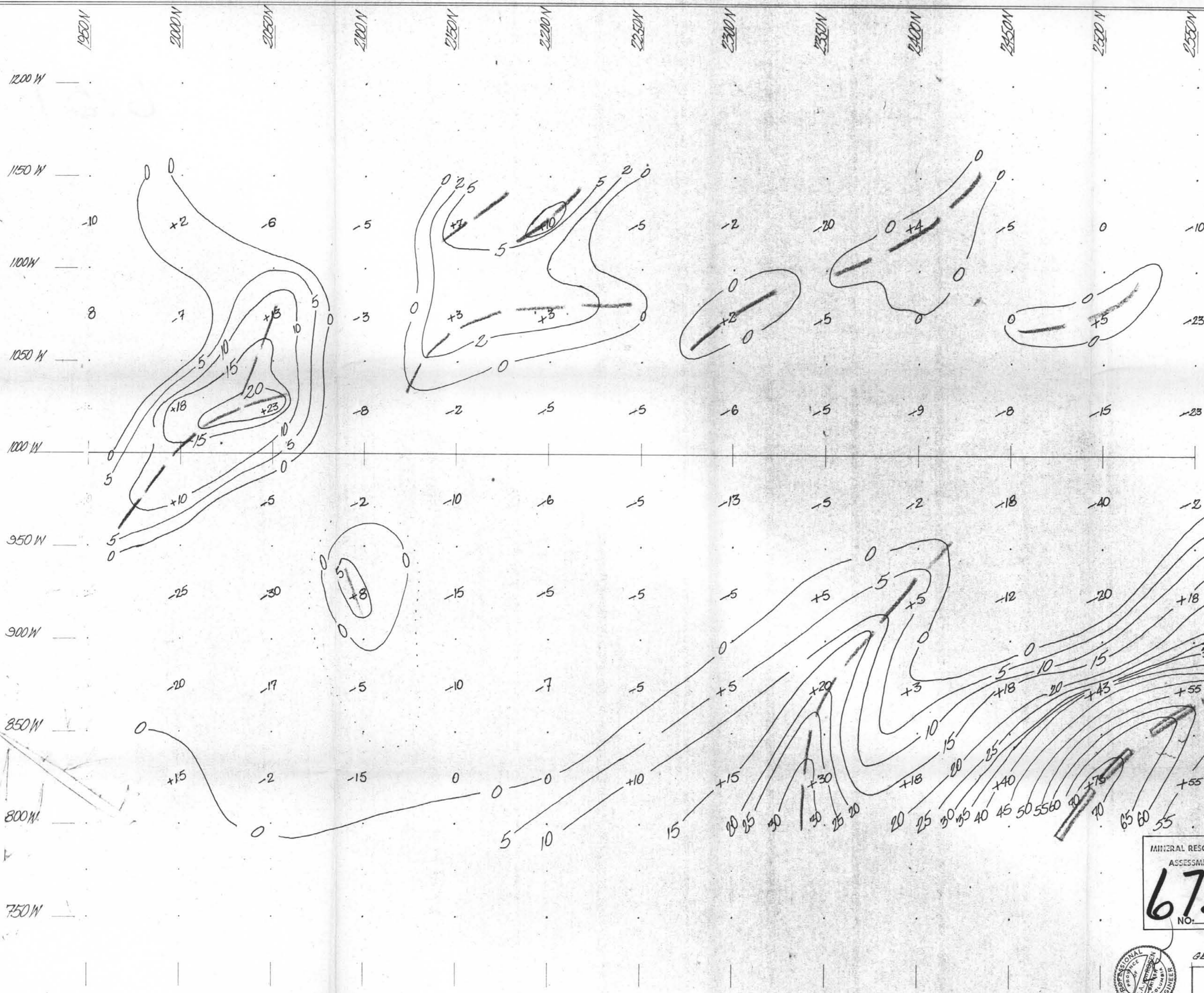
PLATE 1

EM 16  
IN-PHASE QUADRATURE READINGS

NOTE: CURVED DISTANCE MEASUREMENT - NON-SLOPE DIST  
SILVA COMPASS 2 1/2 DECL.







**LEGEND**

+34 CORRECTED LOCATION & "AMPLITUDE" OF CONDUCTOR.

NOTE: READINGS TAKEN FACING GRID WEST; FRASER FILTER APPLIED CHANGING SIGN OF WESTERN PORTION OF SUM OF PRIORS OF ENTRIES.

SEE: GEOPHYSICS, VOL. 34, N° 18, DEC 1969, PAGE 958-969.

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**6751**  
NO.

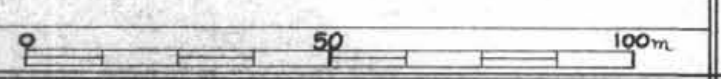


GERARD H. EBOEN MAY 15, 1978  
GEAREX ENGINEERING VANCOUVER  
CONSOLIDATED SILVER RIDGE MINES LTD.  
BARNATO GROUP  
BEAVERDELL RANGE - E KENTLE B.C.P.W.

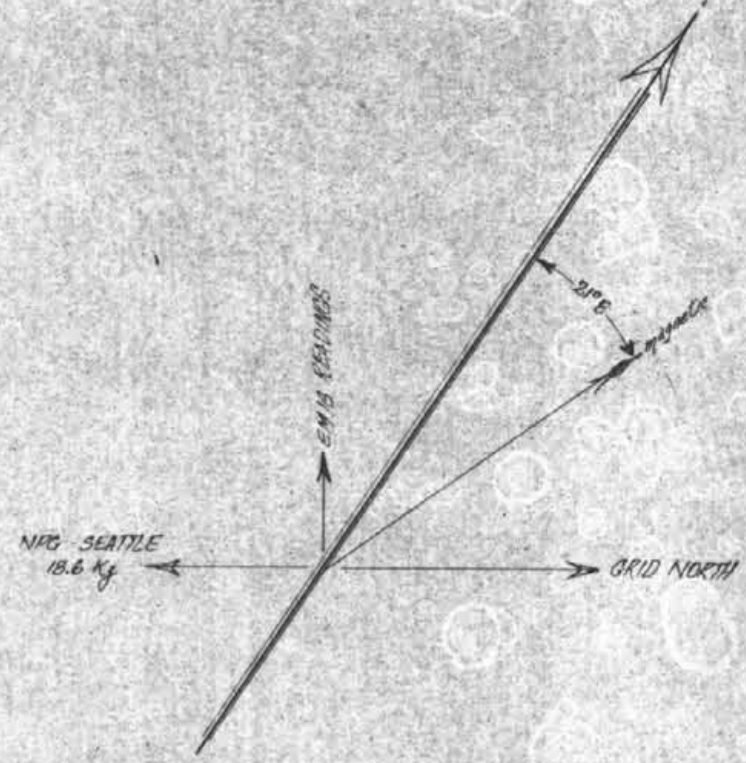
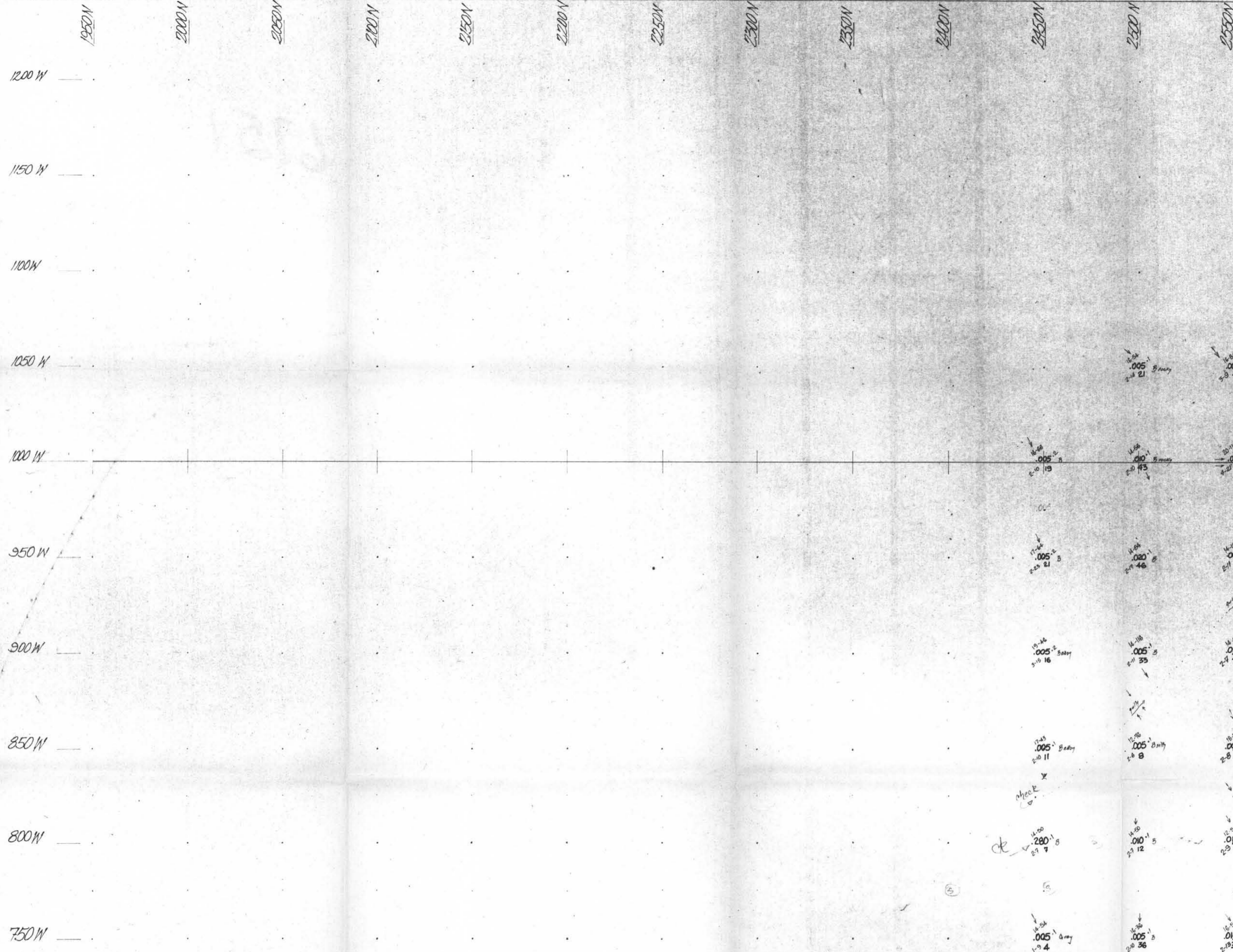
**PLATE 2**

NOTE: TORQUE DISTANCE MEASUREMENT - NON-SLOPERE SILVA COMPASS. 2 1/2 DECL.

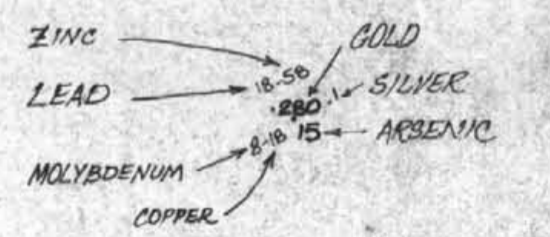
EM 16  
FRASER FILTER







**LEGEND**



NOTE: ALL VALUES PPM  
NOTE: SOILS TAKEN FROM BELOW HORIZON, EXCEPT WHERE NOTED

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**6751**  
NO. FIGURE

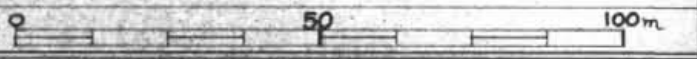


GEAREX ENGINEERING VANCOUVER  
CONSOLIDATED SILVER RIDGE MINES LTD.  
BARNATO GROUP  
BEAVERDELL RANGE - E. KITTLE  
82 E 7 W

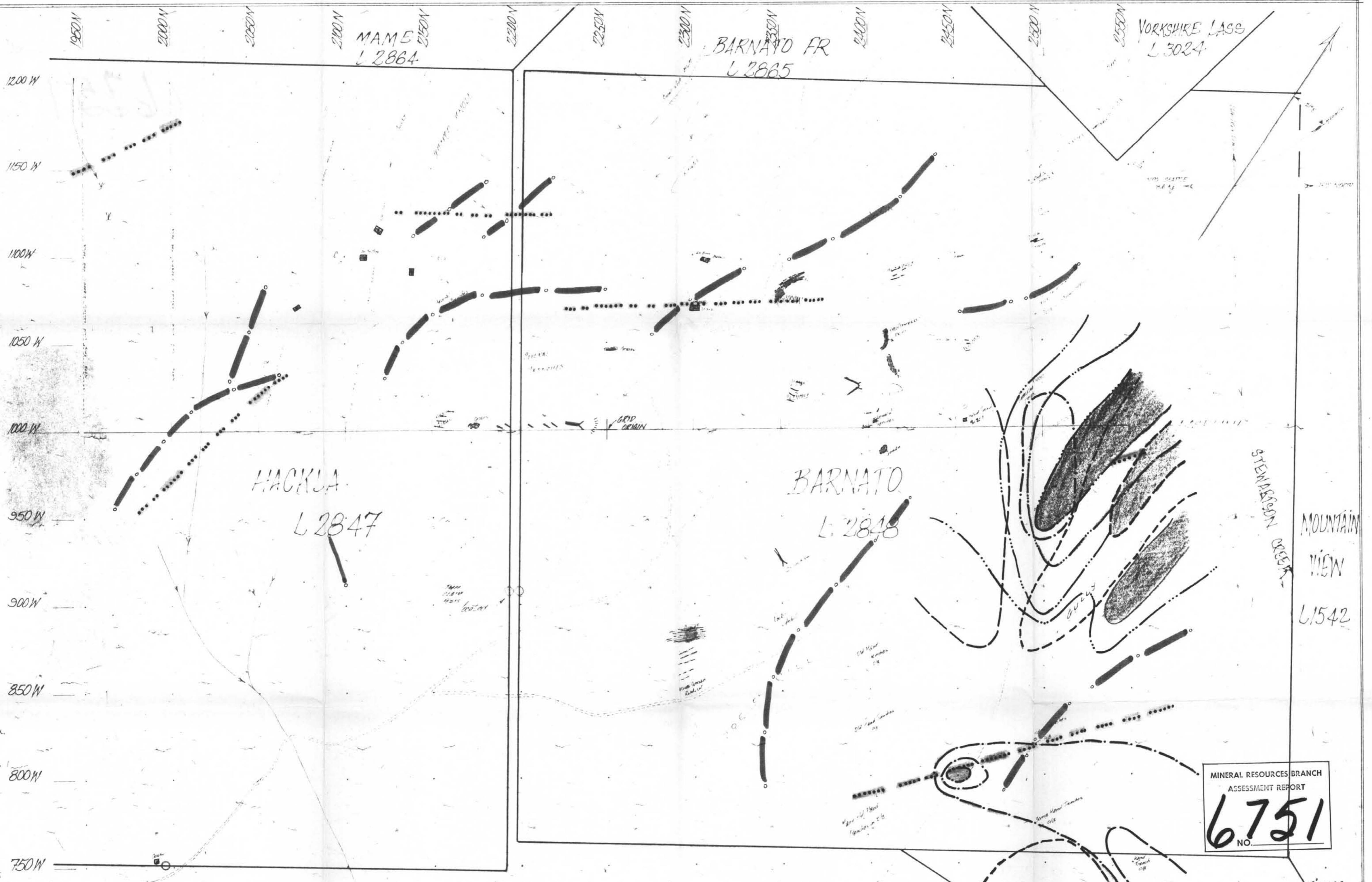
**PLATE 3**

RESULTS OF  
**GEOCHEMICAL SURVEY**

NOTE: TYPICAL DISTANCE MEASUREMENT - NON-SLOPE CORRECT  
SILVA COMPASS 21% DECL.







SILVER BELL  
L2044

HACKUA  
L2847

BARNATO  
L2848

KAFFIR  
KING  
L2646

- EMIG CONTOURED (FRAGILE)
- EMIG IN-PHASE PROFILES
- ARSENIC GEOCHEM
- GOLD GEOCHEM
- SILVER GEOCHEM
- ZINC GEOCHEM
- GOSSAN & VEINS

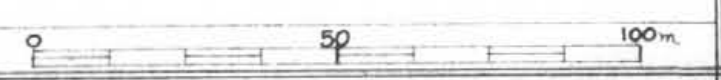
MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**6751**  
NO.



BERNARD & ROSEN MAY 17, 1978  
BERNARD & ROSEN ENGINEERS  
CONSOLIDATED SILVER RIDGE  
MINES LTD.  
BARNATO GROUP  
HEAVERDELL RANGE - E KETILE  
8267W  
SURFICIAL DETAILS

NOTE: TRUE DISTANCE MEASUREMENT - ADV. SLOPE COR. SILVER RANGES - SITE PLAN

PLATE 4



FIGURE