

ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 90.05.08

ASSESSMENT REPORT 18698

MINING DIVISION: Vernon

PROPERTY: Pine
LOCATION: LAT 50 09 00 LONG 119 33 00
UTM 11 5558202 317822
NTS 082L04E

CLAIM(S): Pine
OPERATOR(S): Blyth, W.
AUTHOR(S): Muloin, B.T.
REPORT YEAR: 1989, 9 Pages

COMMODITIES

SEARCHED FOR: Gold, Tellurium

KEYWORDS: Porphyry andesite, Granite, Faults, Quartz veins, Pyrrhotite, Pyrite
Gold

WORK

DONE: Geophysical, Physical
EMGR 1.6 km; VLF
LINE 1.9 km
MAGG 1.6 km
Map(s) - 1; Scale(s) - 1:1000

RELATED

REPORTS: 15930
MI FILE: 082LSW042

LOG NO: 0511	RD.
ACTION:	
FILE NO:	

PINE CLAIM
WHITE ELEPHANT PROSPECT
VERNON MINING DISTRICT, B.C.
NTS: 82 L 4E

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,698

Bryan T. Muloin
2090 - 10th Ave. S.E.
Salmon Arm, B.C.

FILMED

GOLD COMMISSIONER
RECEIVED and RECORDED
MAY - 8 1969
M.R. _____ \$ _____
VERNON, B.C.

18698



Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)	TOTAL COST
GEOPHYSICAL	1200

AUTHOR(S) BRYAN T. MULOIN SIGNATURE(S) *B.T. Muloin*

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED 8 May 89 YEAR OF WORK 89

PROPERTY NAME(S) PINE CLAIM, GEMINI GROUP

Applied to BLYTH 1

COMMODITIES PRESENT gold Tellurides

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN 82L SW - 42

MINING DIVISION VERNON NTS 82L 4E

LATITUDE 50° 9' LONGITUDE 119° 33' ✓

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property (Examples: TAX 14, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved))

GEMINI GROUP #12

OWNER(S)
(1) WILLIAM B BLYTH (2)

MAILING ADDRESS
2038-48 Ave SW
CALGARY ALTA T2T5

OPERATOR(S) (that is, Company paying for the work)
(1) (2)

MAILING ADDRESS

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):
CONTACT AREA BETWEEN PORPHYRY ANDESITES AND GRANITES.

REFERENCES TO PREVIOUS WORK

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MAP:

Composite map, including magnetometer
VLF surveys and geology in pocket

LOCATION:

The White Elephant property is situated 2 miles west of and 2300 feet above Okanagan Lake. It is accessible by a road 5 miles long starting at the Valley Of The Sun Recreational Estates.

ACKNOWLEDGMENT:

This further study of the prospect was sponsored by William B. Blyth, B.Sc., for his company Coast Interior Ventures. While doing the field work accommodation was supplied by Chris and Julia Oakes of Shorts Creek.

HISTORY:

The mine was first worked by A.P. Clark in 1922, he reportedly mined 300 tons of ore to obtain 450 oz. of gold and 150 oz silver. Subsequent developers were; Okanagan Premier Mines Ltd., 1924; Pre Cambrian Gold Mines Ltd., 1928; Mabrown, early 50's; Vernon Mining Company Ltd., mid 60's.

GEOLOGY:

Reports on the original mine indicate it is a zoned, high temperature vein. The vein had an outer zone of quartz, mid zone of pyrrhotite, and pay zone of pyrite with gold values.

Presumably where there is one such zoned vein there will be others. Reconnaissance mapping indicates a complex patterning of faults and fault blocks. The faulting appears to run both east and west and north south. The faulting is likely the control for vein formation and deserves serious study.

GEOPHYSICS:

The reconnaissance grid identified several magnetic lows that seem to be associated with contacts between the two dominant rock types, granites and volcanics. To better understand these interesting zones, this initial detailed study concentrates on what was the most intense depression located along grid line 2600E between 100N and 400N. The detail grid was established west of line 2650E with lines extending 100 meters having stations every 10 meters and lines 20 meters apart. The total grid was 1900 meters long with 176 stations. Two instruments were used to study this grid; a SCINTREX proton precession magnetometer, model MP2, digital and a CRONE Radem VLF electromagnetic receiver.

The magnetometer survey redefines the mag low as smaller and precisely between outcrops of granite and porphyry volcanics in an area of talus slope. The magnetic relief is quite intense, being as much as 1400 gamma units change over 50 meters. Closure of the survey was obtained by looping along line 2650E, the drift was less than 10 gammas. A second feature defined by the survey was a grain ~~striking~~ striking northeast to the north of the grid area.

The VLF survey used Seattle Washington as transmitter which is appropriately aligned for north south structures. Looping was used to correct for drift in the Field Strength component measured. Other components of the transmitted field measured were the Dip Angle of the field, Imaginary component and Reverse Quadrature. The field strength identifies a weak conductor, less than 300 times as conductive as background, striking west of north in the north of the grid

RECOMMENDATIONS:

The redefined structure in the area is less spectacular than originally identified. Both the magnetically identified contact and weak EM conductor need further examination. The overburden is shallow in the area making trenching, either by hand or backhoe possible

AFFIDAVIT:

I, Bryan Thomas Muloin, am a graduate of Queen's University, Kingston, Ontario, having a bachelor's degree in engineering geology from the faculty of Applied Sciences. Since graduating in 1971 I have actively practiced the profession of geologist and geophysicist.



Bryan T. Muloin, B.Sc., B.Ed.
6 May 1987, Salmon Arm, B.C.

STATEMENT OF COSTS:

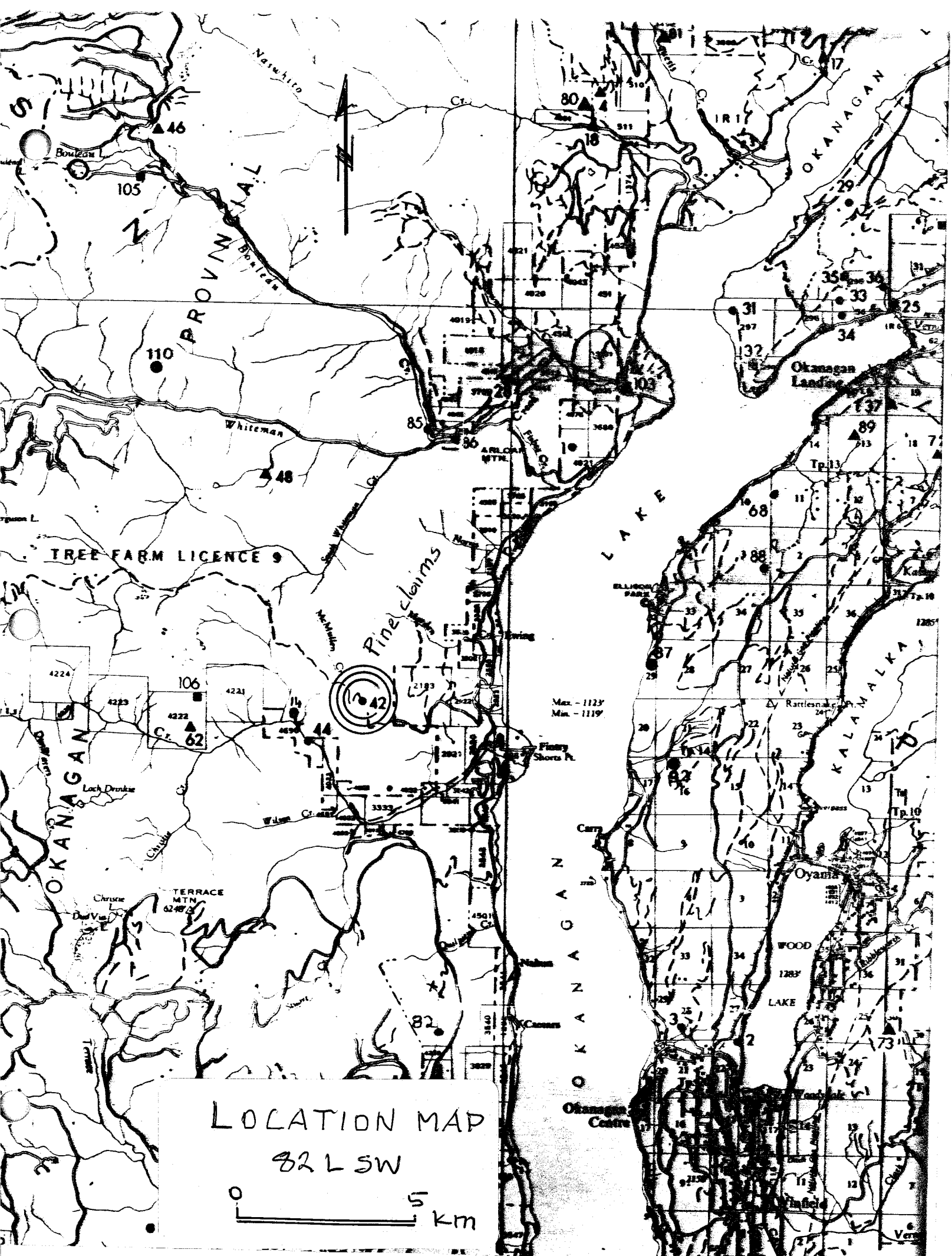
The May '89 value of the field work, consultation, transportation by four wheel drive vehicle, board and lodging, rental value of the magnetometer and VLF EM units, drafting and report preparation was contracted at a unit price of 1200 dollars.

BIBLIOGRAPHY:

Ministry of Mines for the province of British Columbia Reports for the years: 1922, '23, '24, '25.

Canada Department of Mines Summary Report for 1931, Part A:
Mineral Resources of Northern Okanagan Valley, B.C.-C.E.Cairnes pp.66-108

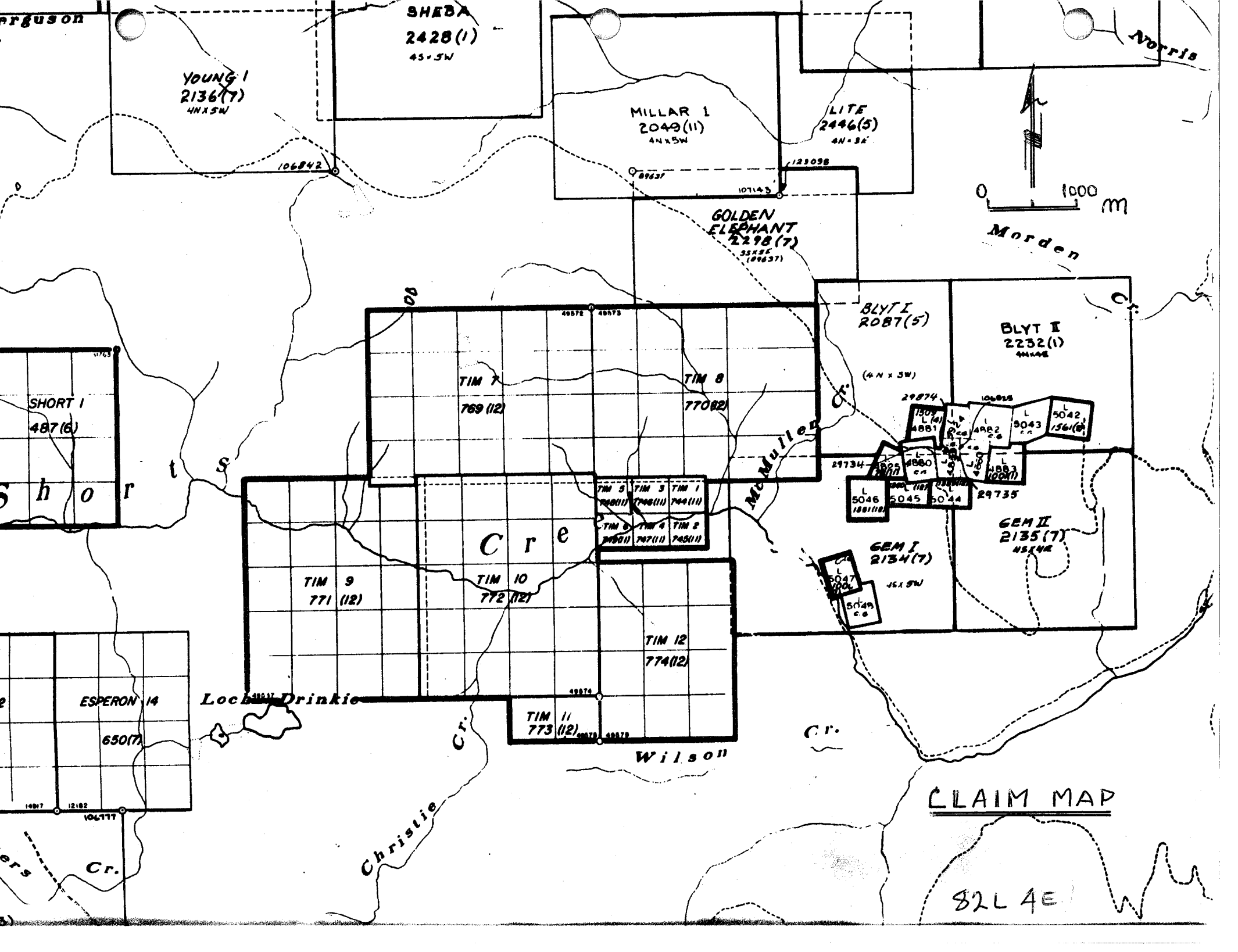
British Columbia Department of Mines and Petroleum Resources maps:
Mineral Deposit-Land Use Map 82L, Vernon
Aeromagnetic Map 5207G, Shorts Creek

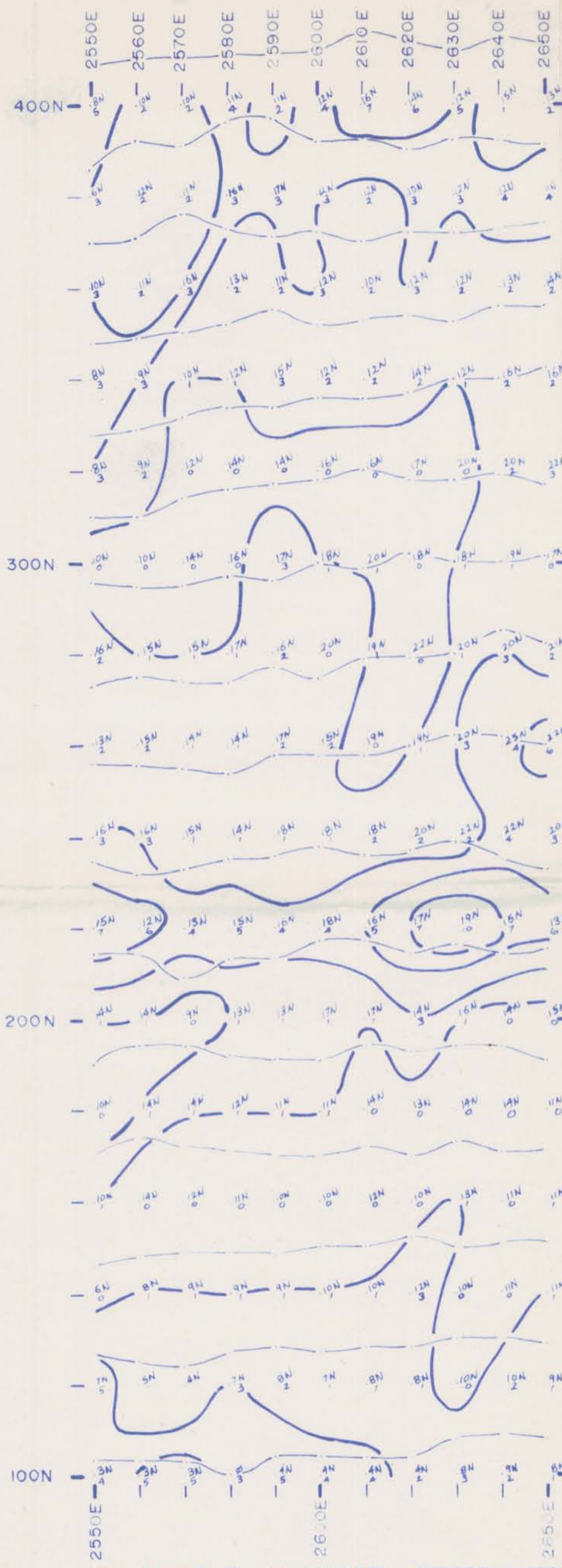


LOCATION MAP

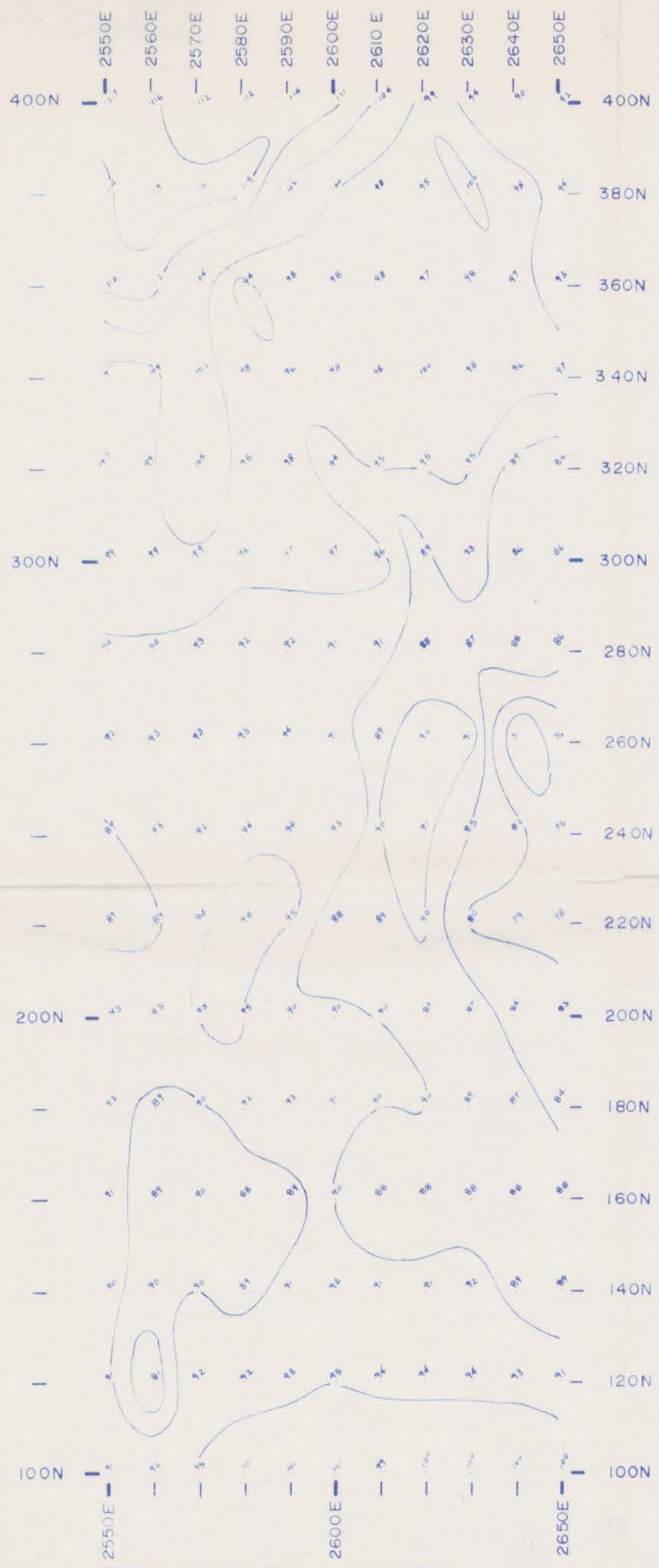
82 L SW



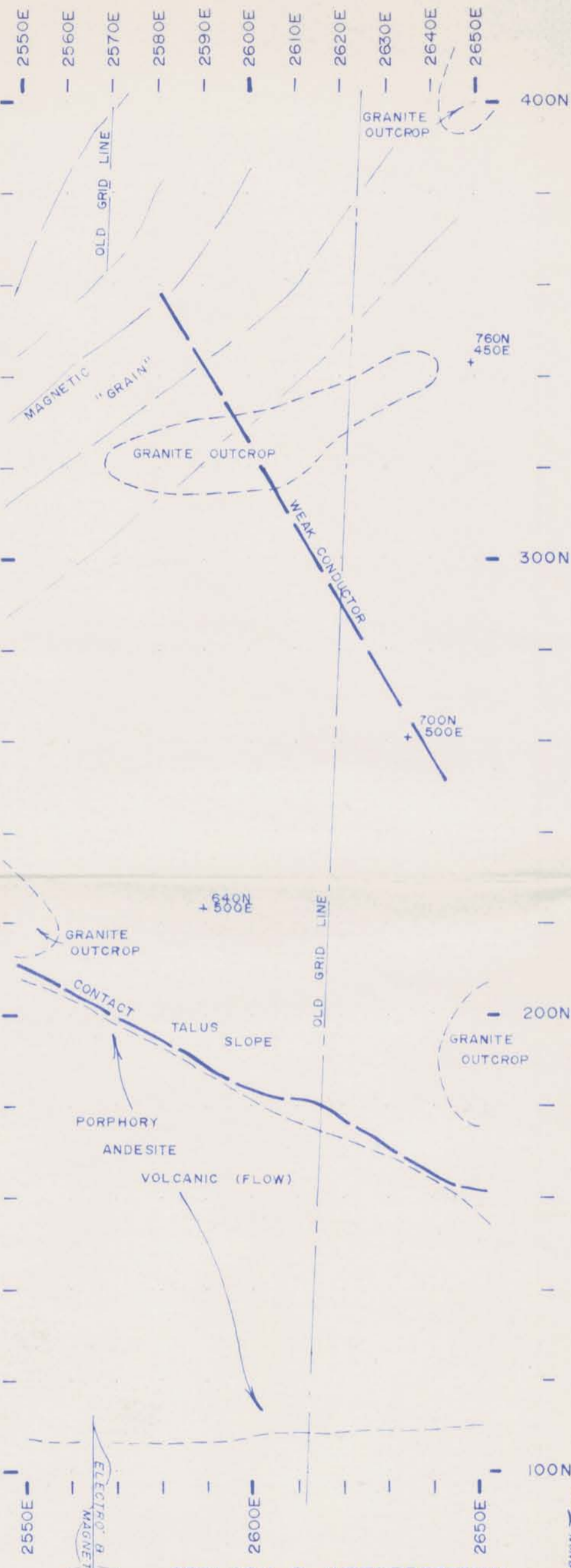
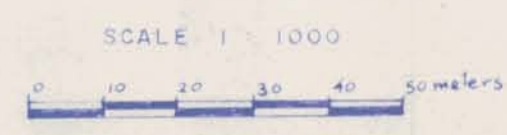




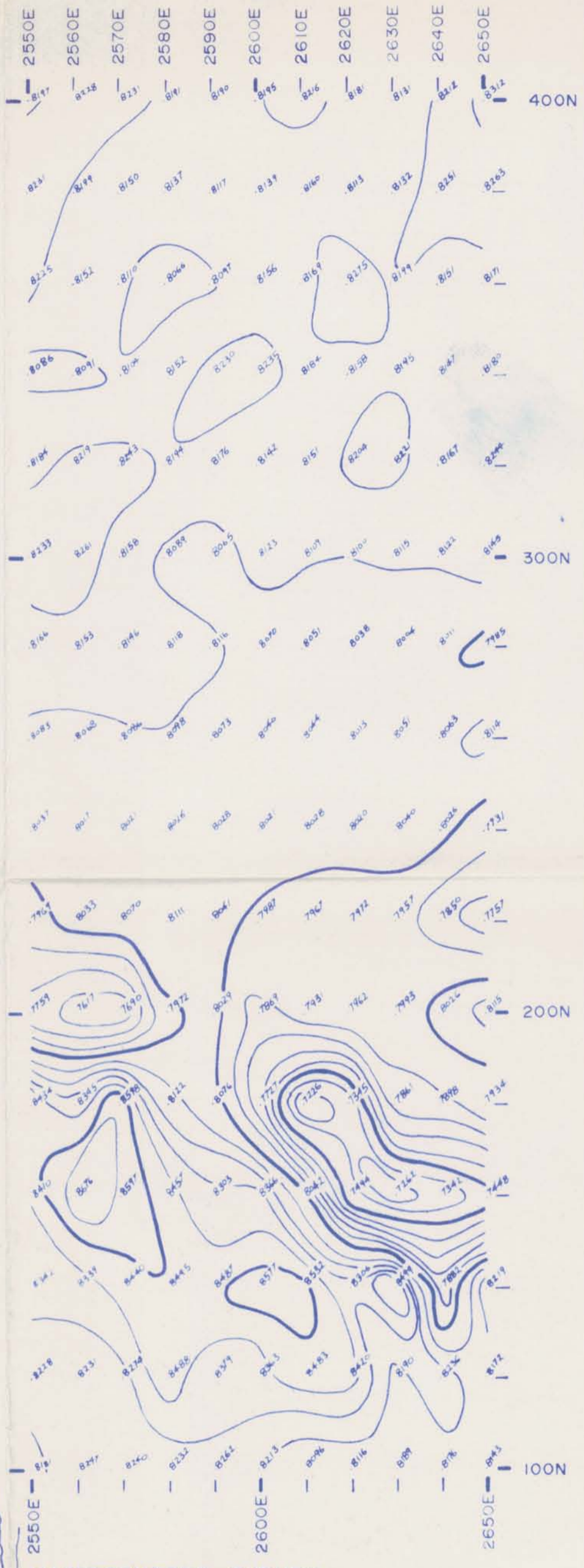
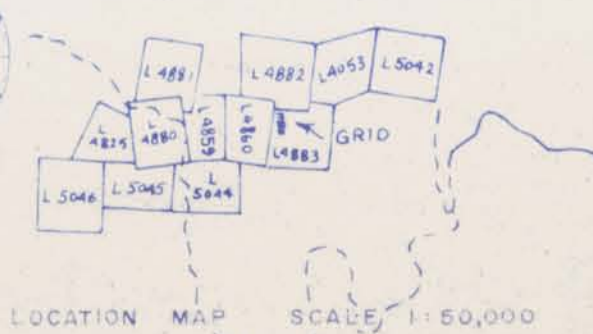
DIP ANGLE & IMAGINARY COMPONENTS OF VLF EM SURVEY — USING A "CRONE" RADEM INSTRUMENT
 DIP ANGLE PROFILE SCALE — 1cm = 10°
 IMAGINARY CONTOURED — 1, 3, 5, 7%



FIELD STRENGTH COMPONENT
 CONTOUR INTERVAL — 5%



GEOLOGY & INTERPRETATION



MAGNETOMETER SURVEY

INSURMENT POINTS IN METERS
 CONTOUR INTERVAL — 100 & 500
 NOTE: BACKSOUNDING