

KAMLOOPS

87-218-15930

5/88



Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S) <i>Geophysical; Geological</i>	TOTAL COST
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AUTHOR(S) *BRYAN T. MULLOIN* SIGNATURE(S) *B. T. Mulloin*

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED *7 May, 87* YEAR OF WORK *1987*

PROPERTY NAME(S)
WHITE ELEPHANT

COMMODITIES PRESENT *Au, Ag, W, Bi, Te, Si*

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN *82L/SW-92*

MINING DIVISION *Vernon* NTS *82 L/E*

LATITUDE *50°08.8'* LONGITUDE *119°33'*

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

GEM I (20 units), GEM II (16 units), BLYTH I (12 units), PINE (Lot 4883)

OWNER(S)
(1) *William B. Blyth* (2)

MAILING ADDRESS
*2038 - 48 Ave SW
Calgary Alta T2T 2T5*

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

OPERATOR(S) (that is, Company paying for the work)
(1) *William B. Blyth* (2)

15,930

MAILING ADDRESS
*2038 - 48 Ave SW
Calgary Alta T2T 2T5*

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude): *The claims are underlain by faulted granodiorites and porphyritic basalts.*

FILMED

REFERENCES TO PREVIOUS WORK

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MAPS:

Magnetometer Survey	in pocket
Magnetometer Survey (raw data)	in pocket
Reconnaissance 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 accomodation was supplied by Chris and Julia Oakes of Shorts Creek.

HISTORY:

The mine was first worked by A.P. Clark in 1922, he reportadly 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.

GEOFYSICS:

The existing grid was extended 600 meters to the east and cross lines were run every 50 meters extending 400 meters both north and south for a total grid length of 10.2 kilometers. A Scintrex MP2 proton precession magnetometer was used to read this grid at 20 meter intervals. Closure of the magnetometer survey was obtained by looping though diurnal drift was minimal, less than 40 (gammas), as compared to the range of the magnetic field. A total of 510 stations were read.

One of the characteristics of many gold occurrences is an associated magnetic field depression. The purpose of this study was to identify such features. Several of these responses are evident from the survey and appear to be associated with faulting.

RECOMMENDATIONS:

As faulting is the most likely control of mineralization a detailed study of this feature should be conducted. This can be done in several ways:

Detailed geological mapping noting faults, joint and vein orientations, this could be done on airphotos.

Second Derivative analysis of the available magnetometer survey information to enhance the structural information it holds.

VLF EM surveys over the existing grid to identify any structural information in conducting faults or mineralization.

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:

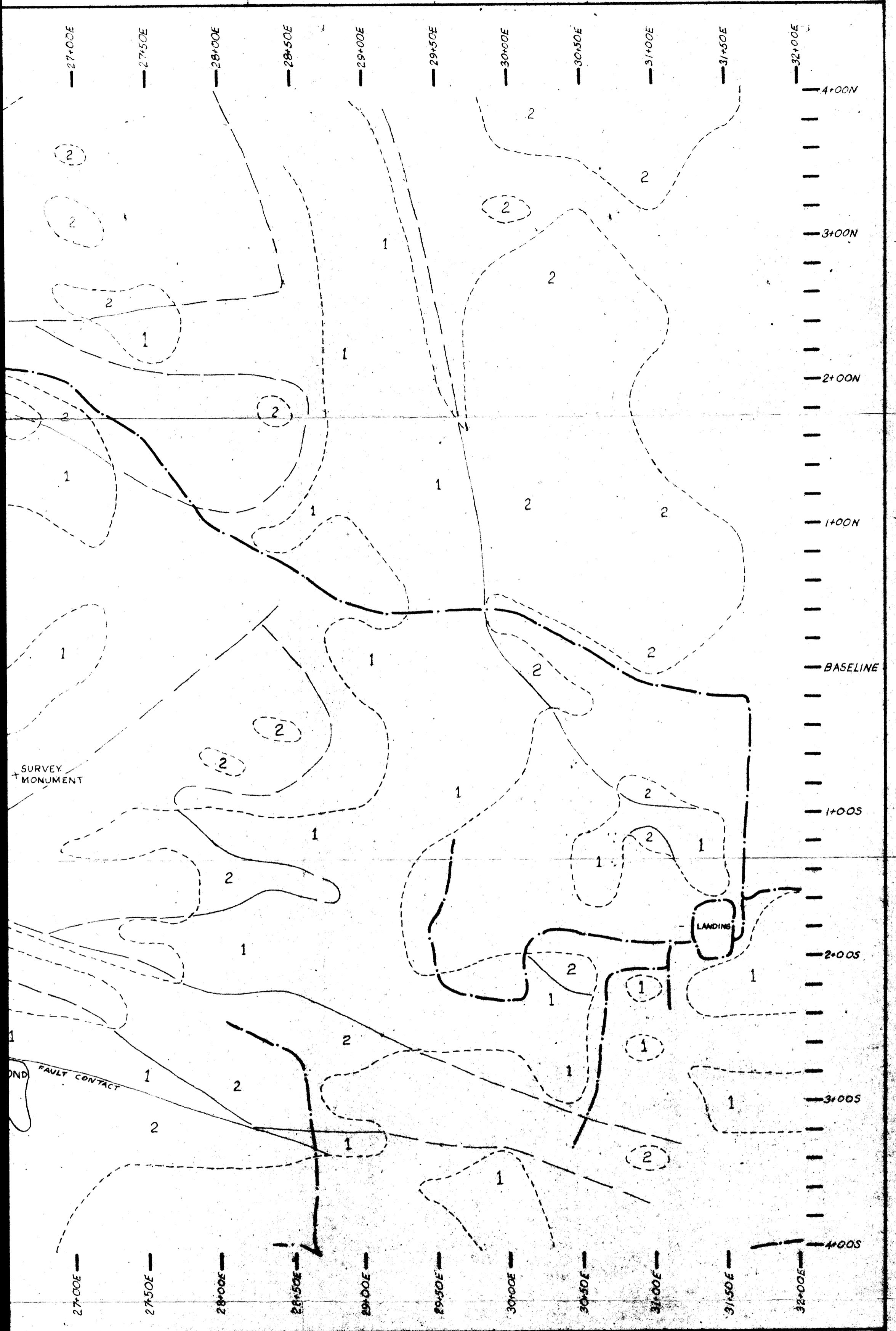
The May '87 value of the field work, consultation, transportation by four wheel drive vehicle, board and lodging, rental value of the magnetometer, drafting and report preparation was contracted at a unit price of \$5,000.

BIBLIOGRAPHY:

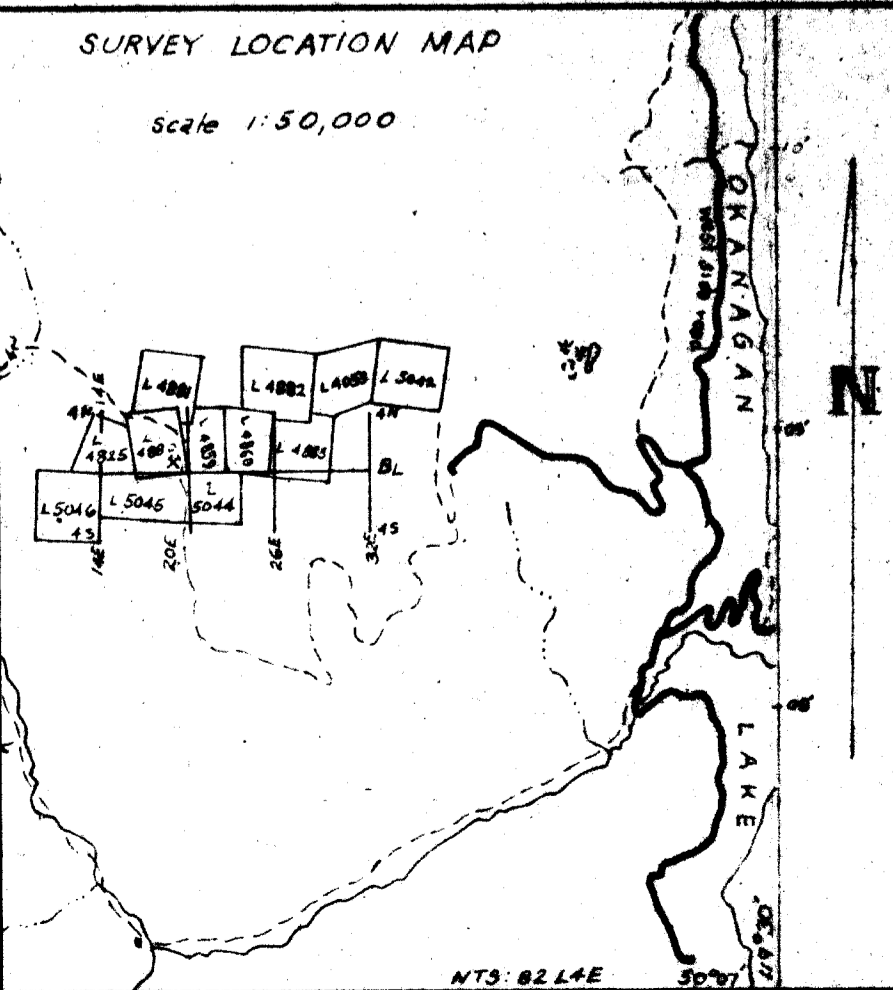
Ministry of Mines for the province of British Columbia Reports for the years: 1922, '23, '24, '25.

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



SURVEY LOCATION MAP
Scale 1:50,000



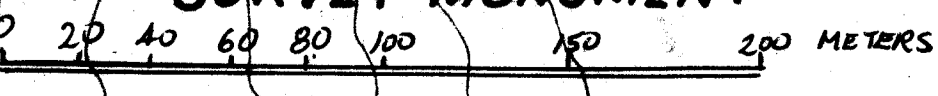
WHITE ELEPHANT PROSPECT

15,930

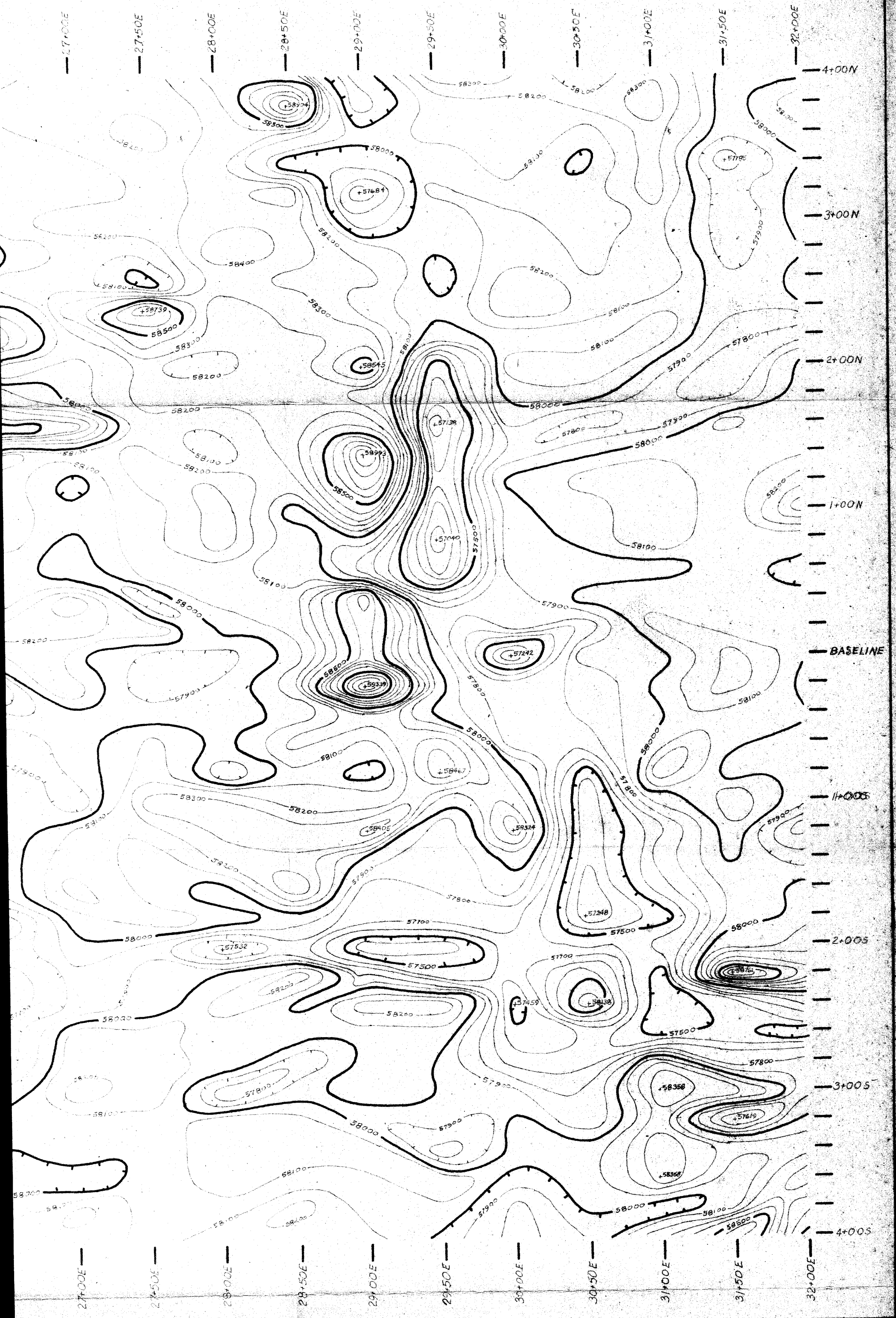
RECONNAISSANCE GEOLOGY
BRYAN T. MULOIN B.Sc., B.Ed.

ROCK UNITS:
2 - GRANITE, GRANODIORITE
1 - BASALT PORPHYRY

SYMBOLS:
OUTCROP BOUNDARY
CONTACT
ROAD
TRENCH
SHAFT
BUILDING
SURVEY MONUMENT

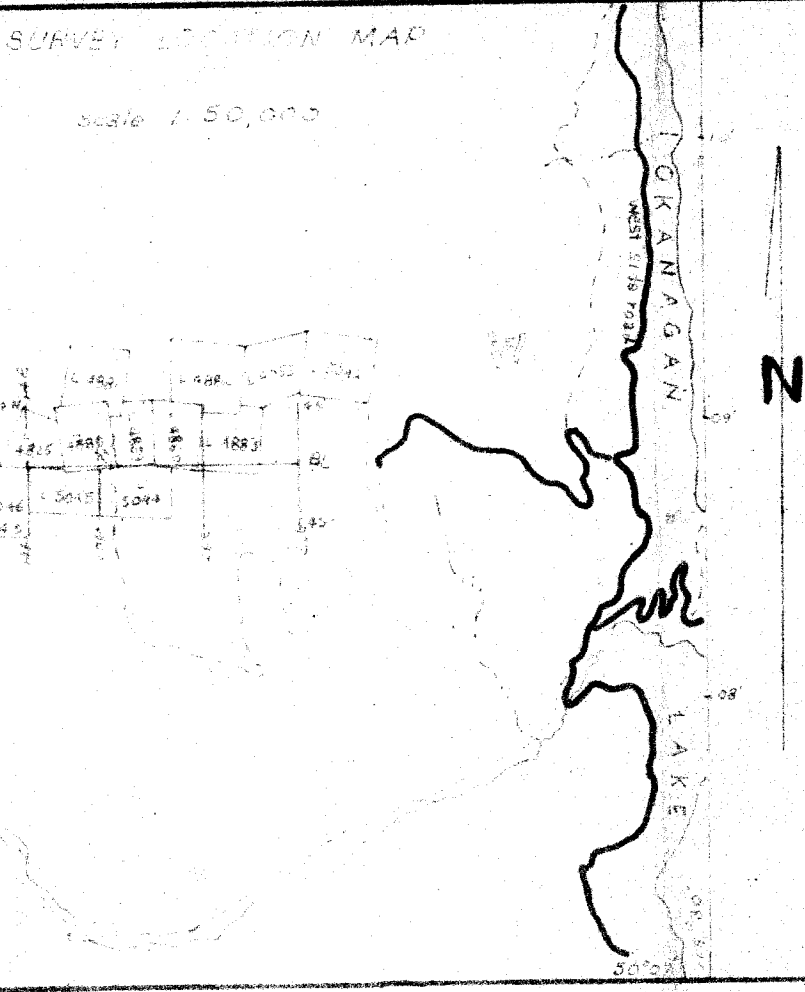


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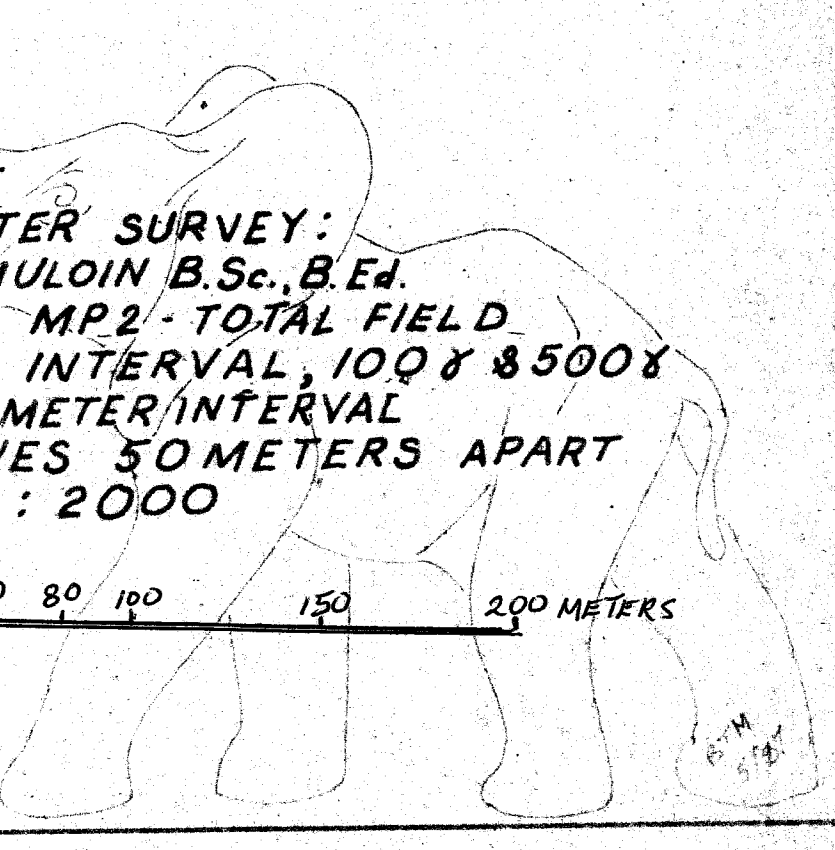
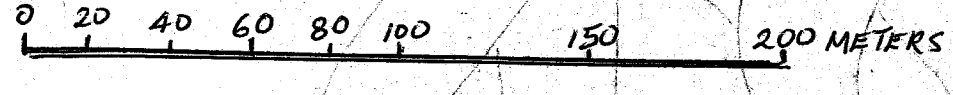
SURVEY LOCATION MAP
Scale 1:50,000

GEOLOGICAL BRANCH



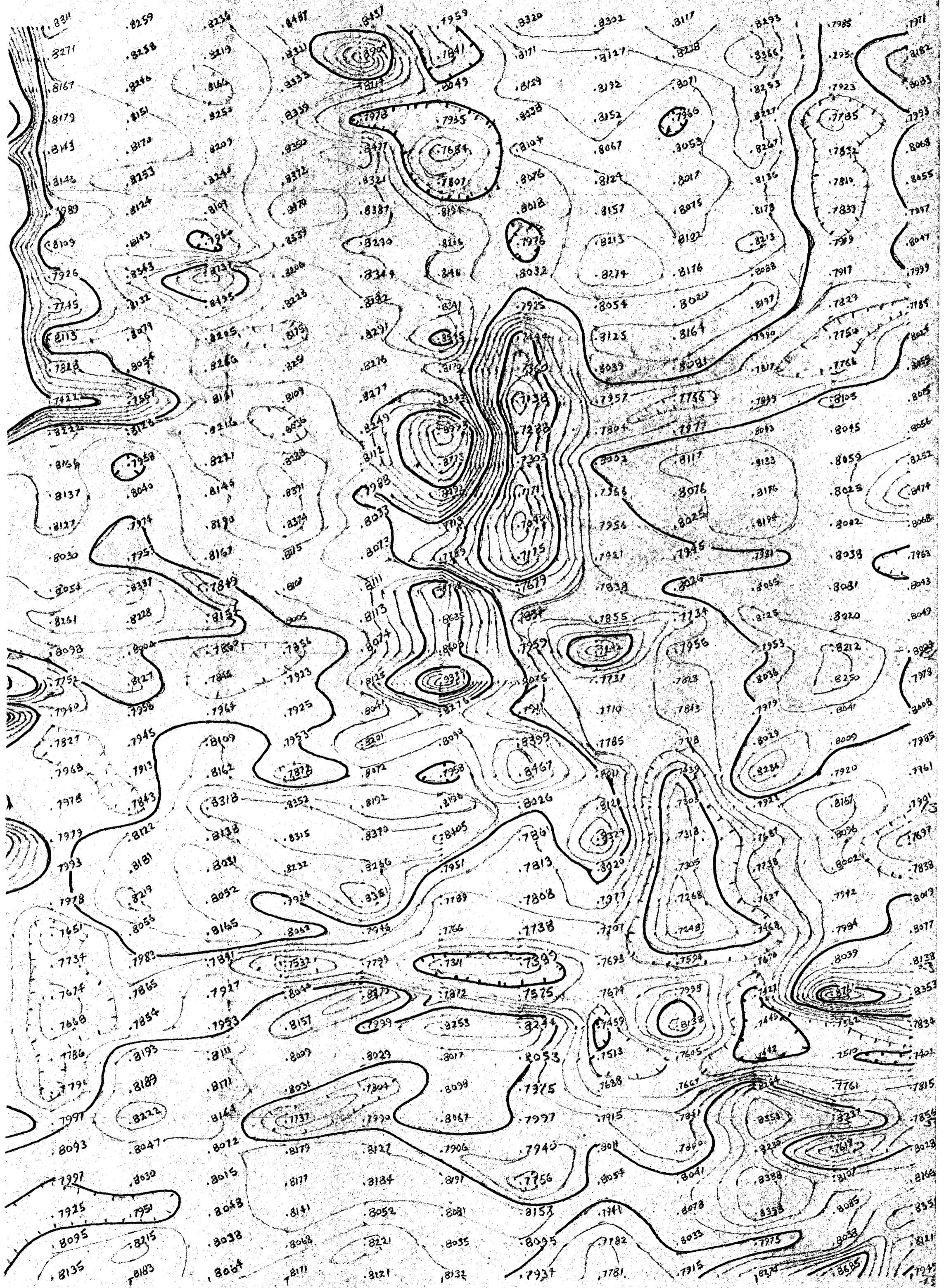
WHITE ELEPHANT PROSPECT

NTS: 82 L4E
 MAGNETOMETER SURVEY:
 BRYAN T. MULOIN B.Sc., B.Ed.
 SCINTREX MP2 - TOTAL FIELD
 CONTOUR INTERVAL, 100 & 500
 GRID, 20 METER INTERVAL
 LINES 50 METERS APART
 SCALE: 1:2000



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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WHITE ELEPHANT PROSPECT
NTS 82L4E
MAGNETOMETER SURVEY
BRYANT MULOIN B.Sc., B.Ed.
INSTRUMENT: SCINTREX MP-2-TOTAL FIELD
CONTOUR INTERVAL: 100 & 500
GRID: 20 METER INTERVAL ON LINES
50 METERS APART
SCALE: 1:2,000

