



32D04SE0395 2.1917 SKEAD

PROJECTS UNIT
 Report on Magnetometer Survey Lots 2 and 3
 Concession 6, Skead Township, Ontario

SEP 2 1975

Introduction

Linecutting on seven claims in lots 2 and 3 Concession 6 of Skead Township was carried out in March 1975, followed by a magnetometer survey.

Location, Access and Ownership

The property is located in lots 2 and 3 Concession 6 of Skead Township, Larder Lake Mining Division, District of Temiskaming, Ontario. It comprises 7 claims numbered L374775-374776, L401396-401397 and L415023-415025. The claims are recorded in the name of R.A. MacGregor, 134 Palace Drive, Sault Ste. Marie, Ontario. Highway 624 passes a ½ mile south of the claims about 8 miles south of Larder Lake, Ontario.

Previous Exploration

No previous exploration is known to have been carried out on the claims which are largely covered by swampy ground. Adjoining claims have been explored for gold in the past as evidenced by numerous shallow pits.

Geology

The property is believed underlain by mafic volcanics and serpentinitized peridotite. The magnetometer map suggests a pattern somewhat different from that shown on U.N.B. Map No. 1949-3. The Lincoln-Nipissing shear zone is projected to cross the property.

Survey Procedure

A base line was laid out in an east-west direction at approximately the centre of the lot and cross lines run north and south at 400 foot intervals. These were run to existing tie and base lines which provided control. All lines were chained and picketed at 100 foot intervals.

Magnetometer readings were taken with a Sharp MF-1 fluxgate magnetometer at 50 foot intervals. The looping method was used for control of diurnal variation. In this method a base station is selected, and readings taken along lines describing a loop, arriving back at the starting base station in less than two hours. A second loop is then started using either the same base station or another which is tied to the previous loop. Readings are then corrected for diurnal variation by assuming the time between readings is the same and distributing any variation equally among the intervening readings. No correction was applied less than the accuracy of the base station readings.

Results and Conclusions

The magnetometer survey shows a number of areas with high magnetic readings (over 3,000 gammas) which are interpreted as bands of serpentized peridotite. The high magnetic reading in the North-east corner of L415023 is probably caused by a narrow magnetite vein. The circular shaped magnetic high along the boundary of L415023 and L415024 may also be due to scattered magnetite veinlets.

Respectfully submitted



R. A. MacGregor, P. Eng.

September 16, 1975

References: M.N.R. Ontario Vol. 58 part 6 by D.F. Hewitt,
Map 1949-3

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS — If more than one survey, specify data for each type of survey

Number of Stations 713 Number of Readings 713

Station interval 50 feet Line spacing 400 feet

Profile scale _____

Contour interval 1000 gammas to 5000 gammas; 5000 gammas thereafter

MAGNETIC

Instrument Sharpe MF-1

Accuracy — Scale constant 20 gammas on lowest scale

Diurnal correction method looping method

Base Station check-in interval (hours) less than 2 hours

Base Station location and value Every 800 feet on base or Tie line

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: Fixed transmitter Shoot back In line Parallel line

Frequency _____
(specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

Base station value and location _____

Elevation accuracy _____

INDUCED POLARIZATION
RESISTIVITY

Instrument _____

Method Time Domain Frequency Domain

Parameters — On time _____ Frequency _____

— Off time _____ Range _____

— Delay time _____

— Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

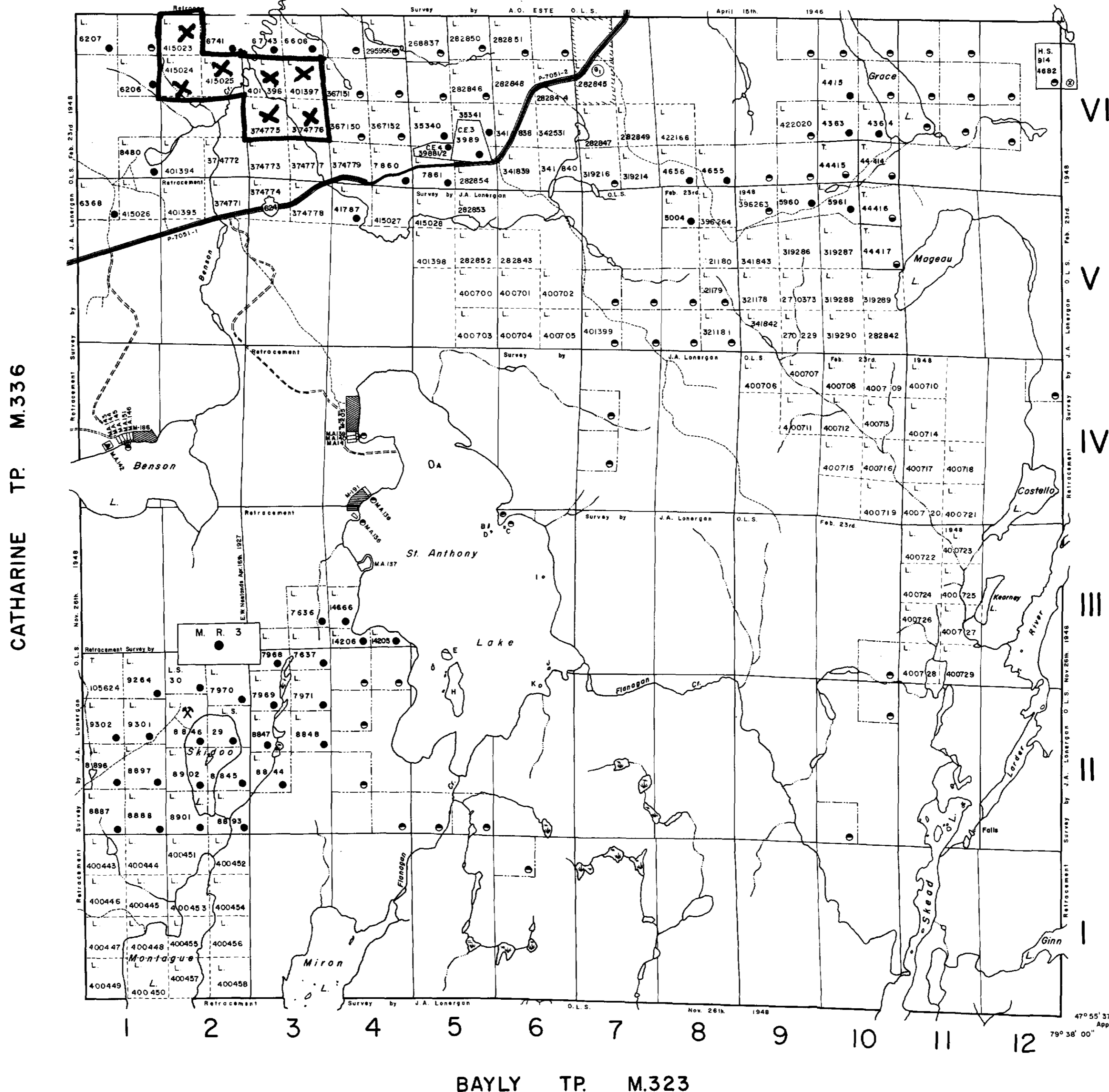
All unpotented mining claims accepted subject to survey, Section 118 of the Mining Act (R.S.O. 1970).

SAND and GRAVEL

M.T.C PIT No. I230

MINING LANDS
DATE OF ISSUE
SEP 25 1975
MINISTRY OF NATURAL RESOURCES

HEARST TP. M.354

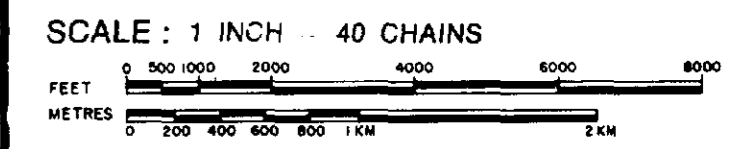


LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES

DISPOSITION OF CROWN LANDS

- | TYPE OF DOCUMENT | SYMBOL |
|---------------------------------|--------|
| PATENT, SURFACE & MINING RIGHTS | |
| " SURFACE RIGHTS ONLY | |
| " MINING RIGHTS ONLY | |
| LEASE, SURFACE & MINING RIGHTS | |
| " SURFACE RIGHTS ONLY | |
| " MINING RIGHTS ONLY | |
| LICENCE OF OCCUPATION | |
| CROWN LAND SALE | |
| ORDER-IN-COUNCIL | |
| RESERVATION | |
| CANCELLED | |
| SAND & GRAVEL | |



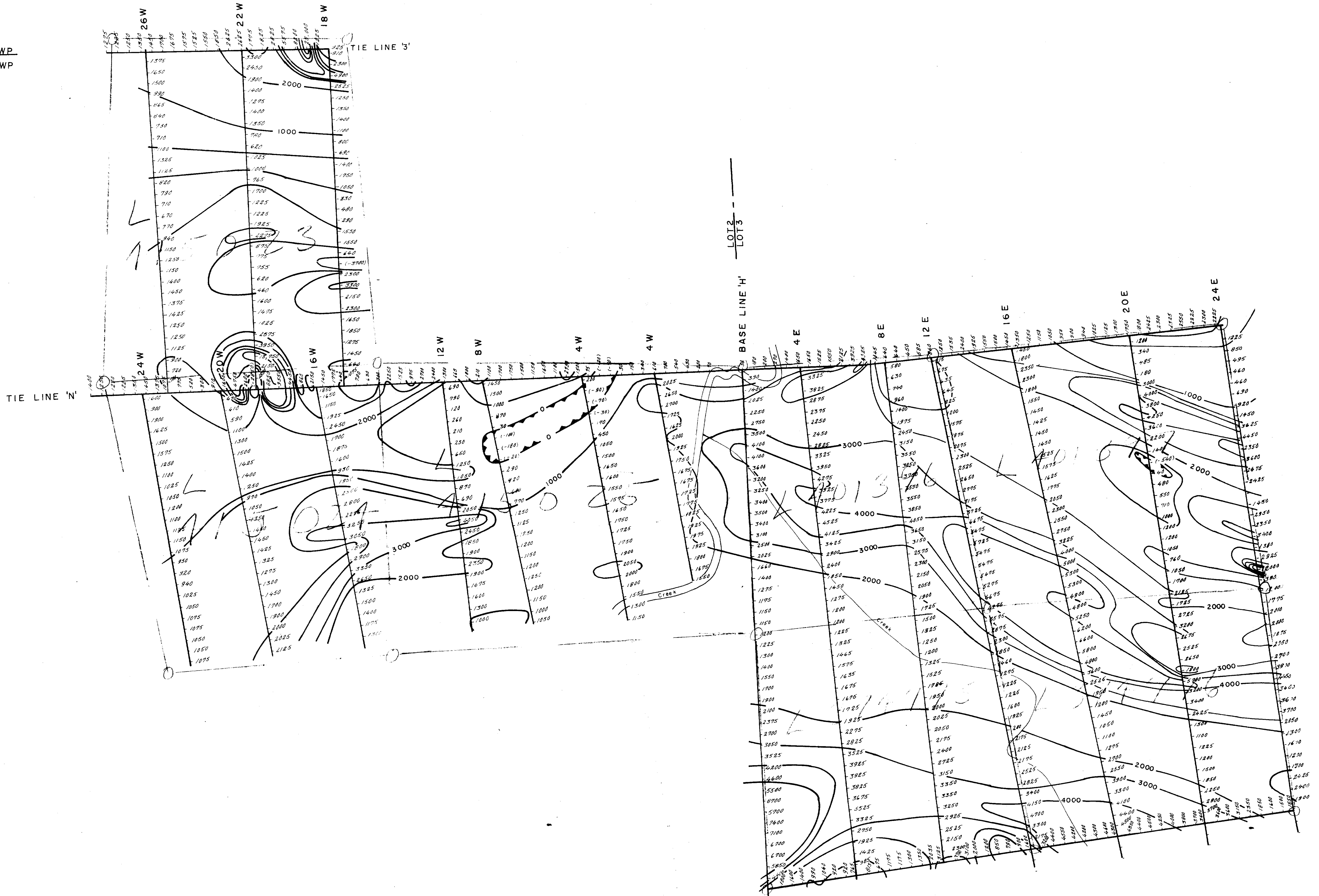
ACRES	HECTARES
40	16

TOWNSHIP **2.1917**
SKEAD
 DISTRICT
 TIMISKAMING
 MINING DIVISION
 LARDER LAKE

Ministry of Natural Resources
 Ontario Surveys and Mapping Branch

Date 10/4/74 Plan No. **M.387**
 Whitney Block
 Queen's Park, Toronto





INSTRUMENT: SHARPE MF-1
 READINGS IN GAMMAS
 CONTOUR INTERVAL
 EVERY 1000 GAMMAS TO 5000 GAMMAS
 EVERY 5000 GAMMAS THEREAFTER



MAGNETOMETER SURVEY
 SKEAD TOWNSHIP
 SCALE 1"=200'

