



32D04SE0832 2.1483 SKEAD

010

Report on Magnetometer Survey.

Skead Twp.

1974

MAY 16 1974

PROJECTS UNIT

Introduction

Linecutting on four claims in the south half of lot 6 Concession 6 Skead Township was carried out in November 1973 and January 1974 followed by a magnetometer survey.

Location, Access and Ownership

The property is located in the south half of lot 6 Concession 6 of Skead Township, Larder Lake Mining Division, District of Temiskaming, Ontario. It comprises four claims numbered L341838-341840 inclusive and L342531. The claims are recorded in the name of R.A. MacGregor, 134 Palace Drive, Sault Ste. Marie, Ontario. Highway 624 passes through the west part of the claims about 8 miles south of Larder Lake, Ontario.

Previous Exploration

Gold was discovered in the 1920's and a shaft started. This was continued in the 1930's to a total depth of 500 feet with lateral work on the 215 and 475 foot levels. Many old surface pits and trenches can also be seen on the property. No records could be located on this work.

Geology

The property is underlain by felsic and mafic volcanics with a small area of sediments in the south-east corner. Two bands of high magnetic readings in the centre of claim L341839 and the north west corner of L341838 are probably serpentinized peridotite associated with the larger sill located a few thousand feet south. Both the Lincoln-Nipissing shear zone and the Manor fault cross the property.

Survey Procedure

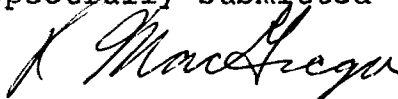
A base line was laid out in an east-west direction at approximately the centre of the lot and cross lines run north and south at 400 foot intervals. These were run to existing tie and base lines which provided control. All lines were chained and picketed at 100 foot intervals.

Magnetometer readings were taken with a Sharpe 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 two areas of high magnetic readings in the central part of claim L341839 and the north-west corner of L341838 which probably indicate bands of serpentized peridotite. One spot high reading on line 4W north of the base line is probably a small dyke.

Respectfully submitted



R. A. MacGregor, P. Eng.

May 10, 1974

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

CERTIFICATE

I, Robert A. MacGregor, certify:

1. I am a Mining Engineer residing at 134 Palace Drive, Sault Ste. Marie, Ontario. I have worked as a mining engineer and geologist for the past 16 years.
2. I am a member of the Association of Professional Engineers of the Province of Ontario and a member of the Canadian Institute of Mining and Metallurgy.
3. I attended Queen's University for two years in the Mining-Geology course.
4. I am the recorded holder of the mining claims in this report and personally supervised the field work.

May 10/74...
Date

R. MacGregor.....
Robert A. MacGregor



GEOF

32D04SE0032 2.1483 SKEAD

900

TECHNICAL DATA STATEMENT

2.1483
MAY 16 1974
PROJECTS UNIT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey Magnetometer
Township or Area Skead
Claim holder(s) R.A. MacGregor
134 Palace Dr. Sault Ste. Marie, Ont.
Author of Report R.A. MacGregor
Address 134 Palace Dr. Sault Ste. Marie, Ont.
Covering Dates of Survey Nov. 19-25/78, Dec. 11/73, Jan. 17-22/74
(linecutting to office)
Total Miles of Line cut 3.9

MINING CLAIMS TRAVERSED
List numerically

L 341838
(prefix) (number)
L 341839
L 341840
L 342531

SPECIAL PROVISIONS CREDITS REQUESTED	DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	40
ENTER 20 days for each additional survey using same grid.	
Geophysical	
--Electromagnetic	
--Magnetometer	
--Radiometric	
--Other	
Geological	
Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: May 10, 1974 SIGNATURE: _____
Author of Report or Agent

PROJECTS SECTION
Res. Geol. _____ Qualifications 2,1102
Previous Surveys L.D.

Checked by _____ date _____

GEOLOGICAL BRANCH _____

Approved by _____ date _____

GEOLOGICAL BRANCH _____

Approved by _____ date _____

TOTAL CLAIMS 4

OFFICE USE ONLY

If space insufficient, attach list

Show instrument technical data in each space for type of survey submitted or indicate "not applicable"

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS

Number of Stations 411 Number of Readings 411
Station interval 50 feet
Line spacing 400 feet
Profile scale or Contour intervals 1000 gammas to 5000 gammas; 5000 gammas thereafter
(specify for each type of survey)

MAGNETIC

Instrument Sharpe MF-1
Accuracy - Scale constant 20 gammas on lowest scale
Diurnal correction method looping method
Base station location Every 800 feet on Base 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 _____
Time domain _____ Frequency domain _____
Frequency _____ Range _____
Power _____
Electrode array _____
Electrode spacing _____
Type of electrode _____

SCALE 1"=16 MILES

ONTARIO
QUEBEC

Cochrane

Timmins

Highway 101

Manitoulin

Kirkland Lake

Larder Lake

Skead Township

Marathon

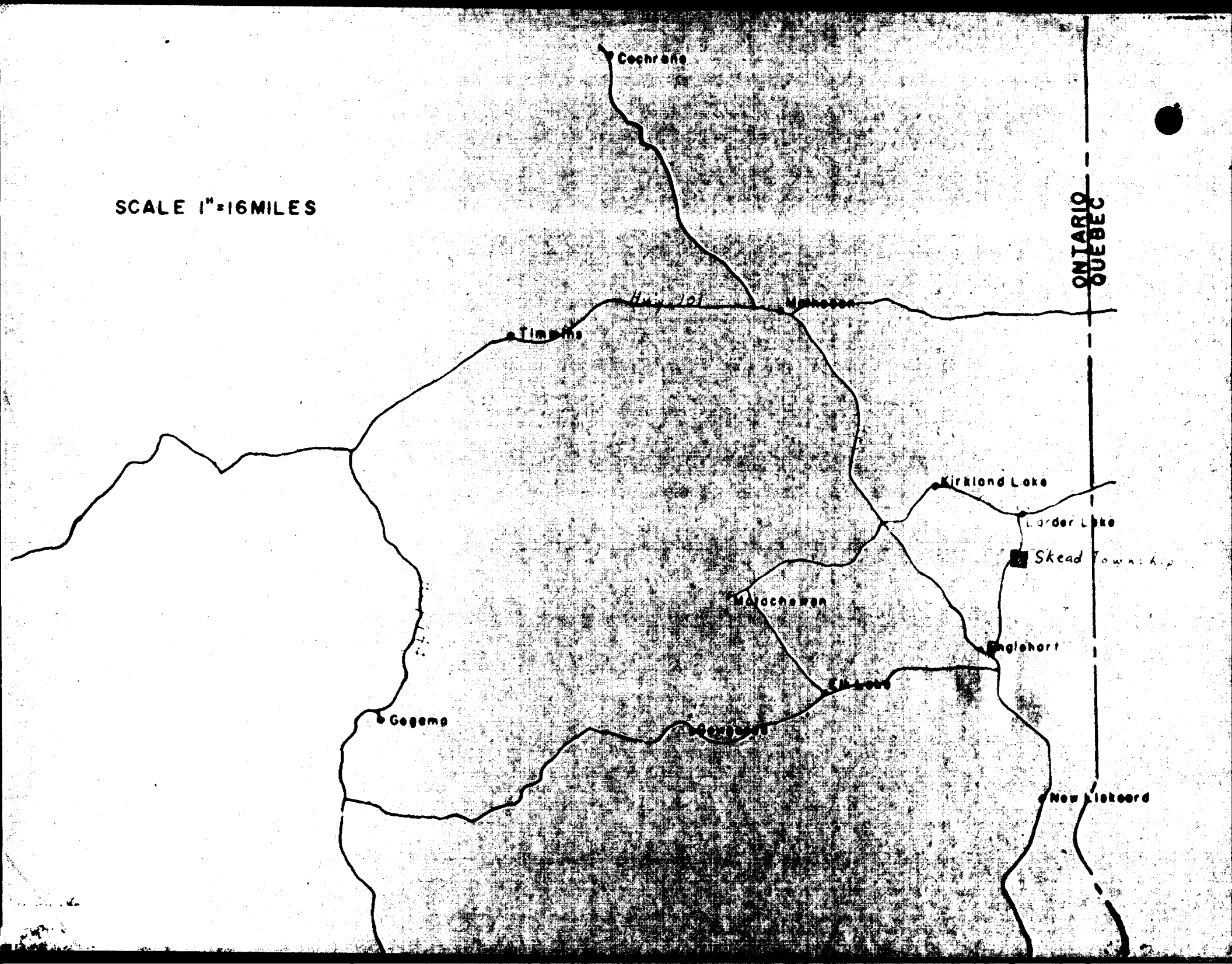
English

Elzevir

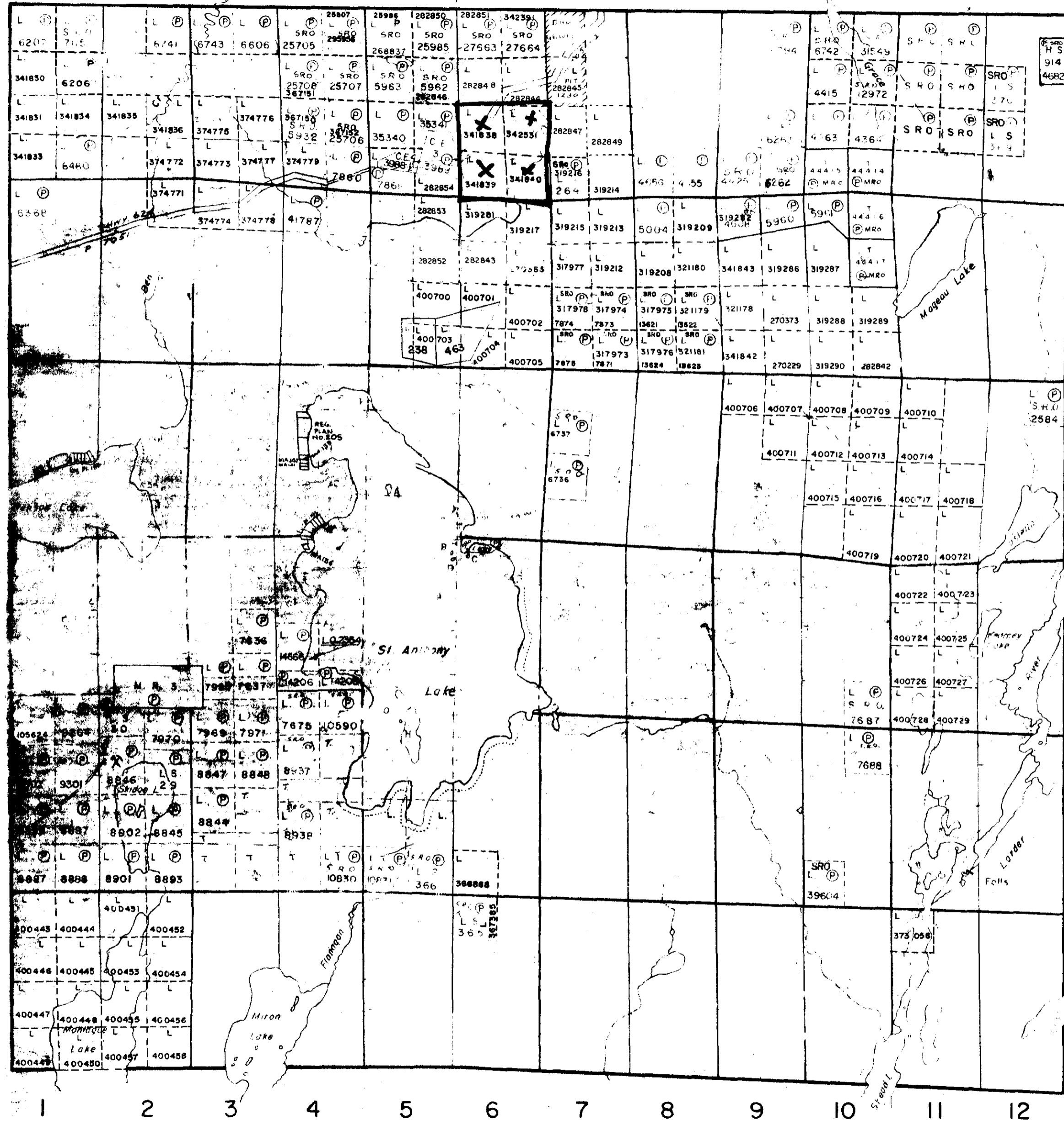
Gogama

Georgina

New Liskeard



Hearst Twp. M.354



Catharine Twp. M.336

VI
V
IV
III
II
I

Ratray Twp. M.384

THE TOWNSHIP OF

SKEAD

DISTRICT OF
TIMISKAMING

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKOGES
- MINES
- CANCELLED

NOTES

400' Surface rights reservation around all roads and rivers

All unpatented claims accepted subject to survey, Section 118 of the Mining Act

Con line between Con. II & Con. III, Lot 3 shown north of the actual position as laid out on the ground.

• MINING LANDS •
DATE OF ISSUE
 MAY 17 1974
 MINISTRY
 OF NATURAL RESOURCES

File - 2.1483

PLAN NO. **M.387**

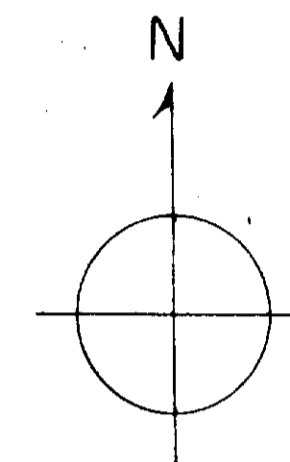
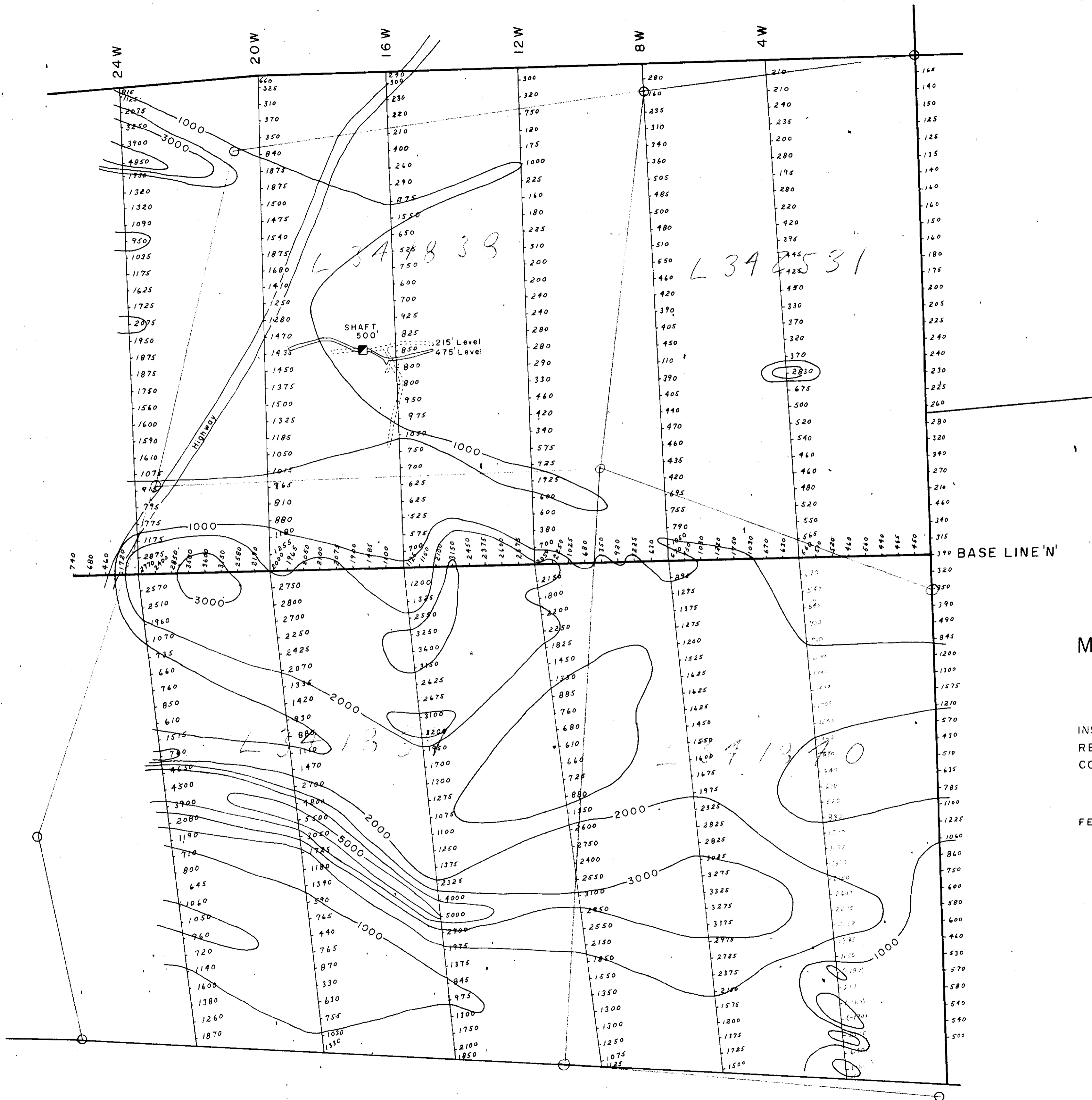
ONTARIO

MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH



Bayly Twp. M.323



MAGNETOMETER SURVEY
 SKEAD TOWNSHIP
 SCALE 1"=200'

INSTRUMENT: SHARPE MF-1
 READINGS IN GAMMAS
 CONTOUR INTERVAL
 1000 GAMMAS

FEBRUARY 1974

R.A.M.

