

2.460

SELCO EXPLORATION COMPANY LIMITED

RECEIVED  
JUN 21 1971  
PROJECTS  
SECTION



42M12SE0009 2.460 VEEKAY LAKE

010

Geophysical Report

CLAIMS PA 262507 to 262522 INCLUSIVE  
262707 to 262710 INCLUSIVE  
262713 to 262724 INCLUSIVE

PATRICIA MINING DIVISION

April 1971

SELCO EXPLORATION COMPANY LIMITED

CLAIMS PA 262507 et al

PATRICIA MINING DIVISION

This report describes the results of a ground magnetometer survey undertaken during March 1971 over 33 claims in the Eabamet Lake area, Patricia Mining Division.

Location & Access

The claims are located on the east side of the Fort Hope Indian Reserve, north east of Reserve Lake. Access is by float or ski-equipped aircraft landing at Reserve Lake. The area is approximately eighty-five miles east-northeast of Pickle Lake.

Description of Claims

The property consists of 39 contiguous unpatented mining claims of which 33 were covered by this survey. These claims are all registered in the name of Selco Exploration Co. Ltd.

Survey Procedure

The claims are covered by one grid system, having an east-west striking baseline, with cross-lines at right angles to the baseline every 400 feet, yielding a total of 30.4 line miles.

Pickets have been placed at 100 foot intervals on the cross-lines, and magnetic intensity readings taken at each. The survey was performed by Alan McCormick and an assistant, both of Selco Exploration Co. Ltd., between March 12th and March 30th, 1971

Magnetic Survey

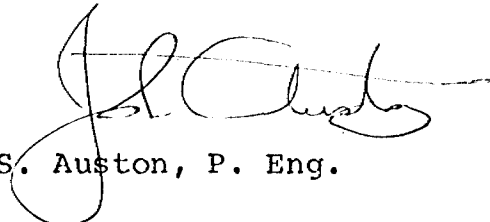
The magnetic survey was performed using a McPhar M700 fluxgate magnetometer, measuring the vertical component of the earth's field.

The instrument has a maximum sensitivity of 20 gammas per scale division. The survey results are plotted in gammas and contoured on the accompanying plan.

Results

The survey yielded several anomalies which probably reflect sulphide zones. The two most interesting zones are the one located in the southern portion of claim PA 262514 and the longer anomaly in the south-east corner of the claim group.

Both these zones plus the several discrete anomalies elsewhere on the property will be checked for conductivity by an electromagnetic to be carried out this summer.

A handwritten signature in cursive script, appearing to read 'J.S. Auston', written in dark ink. The signature is fluid and somewhat stylized, with a long horizontal stroke extending to the right.

J.S. Auston, P. Eng.

Toronto, April 1971





SELCO EXPLORATION COMPANY LIMITED

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42M12SE0009 2.460 VEEKAY LAKE

020

GEOPHYSICAL REPORT

CLAIMS PA 262491 to 262498 INCLUSIVE

PATRICIA MINING DIVISION

April 1971

SELCO EXPLORATION COMPANY LIMITED

Claims PA 262491 et al

PATRICIA MINING DIVISION

This report describes the results of a ground magnetometer survey undertaken during February 2nd - 4th, 1971 over 8 claims in the Opikeigan Lake area, Patricia Mining Division.

Location & Access

The claims are located on the south shore of Opikeigan Lake, approximately seventy-five miles east-northeast of Pickle Lake. Access is by float or ski-equipped aircraft landing on Opikeigan Lake.

Description of Claims

The property consists of 8 contiguous unpatented mining claims of which 8 were covered by this survey. These claims are nos. PA 262491 to PA 262498, all registered in the name of Selco Exploration Co. Ltd.

Survey Procedure

The claims are covered by one grid system, having an east-west striking baseline, with cross-lines at right angles to the baseline every 400 feet, yielding a total of 7.5 line-miles.

Pickets have been placed at 100 foot intervals on the cross-lines, and magnetic intensity readings taken at each. The survey was performed by Colin Parks and an assistant, both of Selco Exploration Company Limited between February 2nd and February 4th, 1971.


Magnetic Survey

The magnetic survey was performed using a McPhar M700 fluxgate magnetometer, measuring the vertical component of the earth's field.

The instrument has a maximum sensitivity of 20 gammas per scale division. The survey results are plotted in gammas and contoured on the accompanying plan.

Results

The survey yielded two short moderate anomalies. In the north central portion a single anomaly with an amplitude of about 300 gammas and a strike length of 500 feet, strikes northwest. Southeast of this on the shore of Opikeigan Lake, a similar anomaly with an amplitude of 300 gammas and strike length of 1500 feet occurs, striking east-west. Both anomalies appear to be dipping steeply south and are characteristic of short tabular bodies with low to moderate susceptibilities.



J.S. Auston, P. Eng.

Toronto, April 1971



PERFORMANCE & COVERAGE CREDITS

ASSESSMENT WORK DETAILS

MINING CLAIMS TRAVERSED

Township or Area OPIKEIGAN LAKE AREA

Type of Survey MAGNETOMETER SURVEY  
A separate form is required for each type of survey

Chief Line Cutter E.J. DUCHENE  
Name  
 or Contractor SIOUX LOOKOUT, ONT.  
Address

Party Chief COLIN PARKS  
Name  
OSHAWA, ONT.  
Address

Consultant \_\_\_\_\_  
Name  
 \_\_\_\_\_  
Address

List numerically	
PA	262491
	262492
	262493
	262494
	262495
	262496
	262497
	262498
TOTAL <u>8</u>	

COVERING DATES

Line Cutting JULY 1970

Field Between Feb. 2nd and 4th, 1971  
Instrument work, geological mapping, sampling etc.

Office \_\_\_\_\_

INSTRUMENT DATA

Make, Model and Type M700 Fluxgate

Scale Constant or Sensitivity 20 gammas  
Or provide copy of instrument data from Manufacturer's brochure.

Radiometric Background Count \_\_\_\_\_

Number of Stations Within Claim Group \_\_\_\_\_

Number of Readings Within Claim Group 338

Number of Miles of Line cut Within Claim Group 7.5

Number of Samples Collected Within Claim Group \_\_\_\_\_

CREDITS REQUESTED

20 DAYS  
per claim

40 DAYS  
per claim

Includes  
(Line cutting)

Geological Survey

Geophysical Survey   Show Check

Geochemical Survey

DATE April 30/71

SIGNED

*J. A. Lubkin*

Send in duplicate to:  
 FRED W. MATTHEWS  
 SUPERVISOR-PROJECTS SECTION  
 DEPARTMENT OF MINES &  
 NORTHERN AFFAIRS  
 WHITNEY BLOCK  
 QUEEN'S PARK  
 TORONTO, ONTARIO

If space insufficient, attach list

AREA OF

# VEEKAY LAKE

*Claim Map*  
DISTRICT OF  
KENORA - PATRICIA PORTION

PATRICIA  
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

### LEGEND

- PATENTED LAND P
- CROWN LAND SALE C.S.
- LEASES L
- LOCATED LAND L.C.
- LICENSE OF OCCUPATION L.O.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- ROADS R
- IMPROVED ROADS I.R.
- KING'S HIGHWAYS K.H.
- RAILWAYS R.L.
- POWER LINES P.L.
- MARSH OR MUSKEG M.
- MINES M.

### NOTES

- 400' Reserve around all Lakes & Rivers to Dept. of Lands & Forests.
- All lands within the Indian Reserve are controlled by the Dept. of Indian Affairs in Ottawa.

DATE OF ISSUE

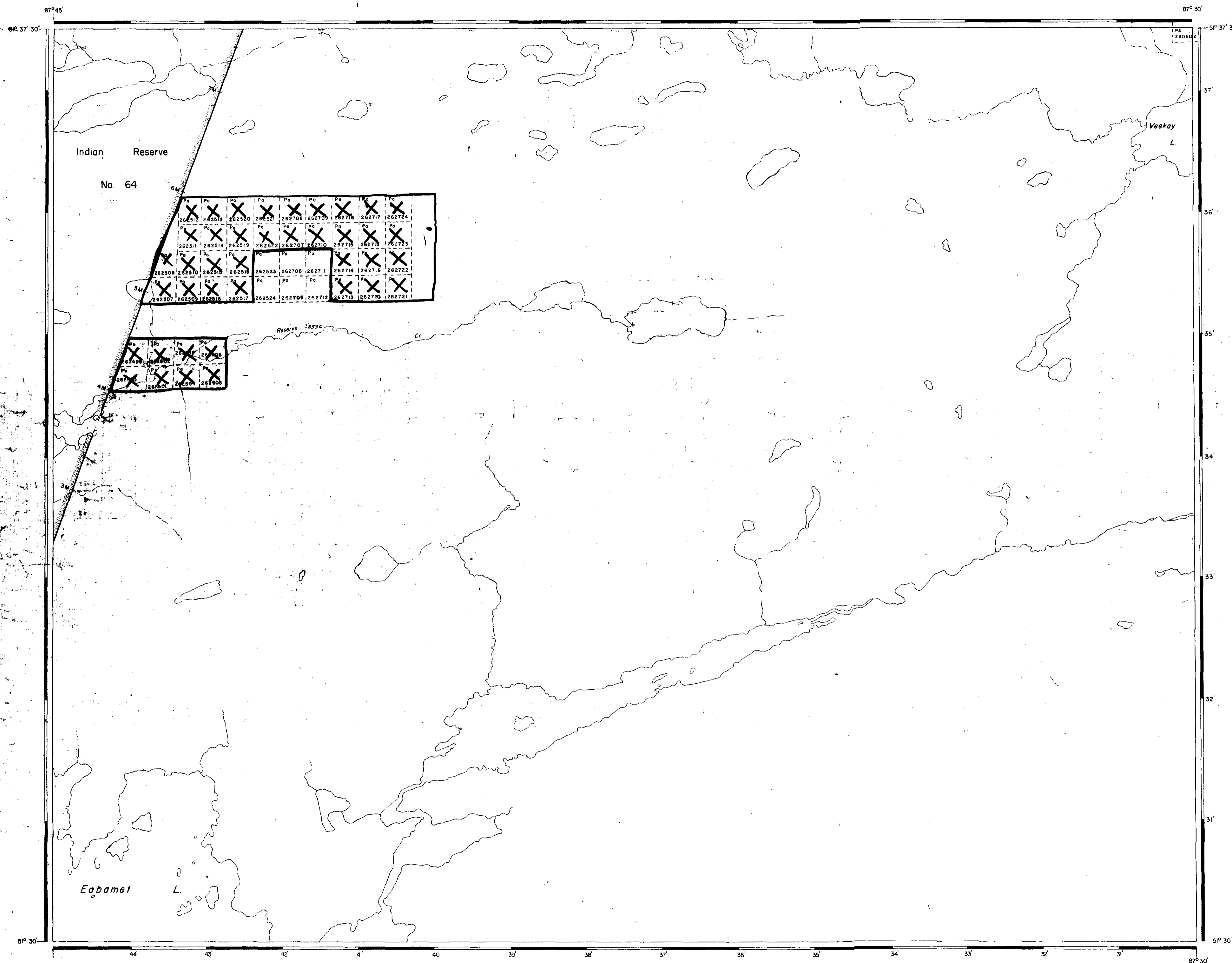
JUN 23 1971

ONT. DEPT. OF MINES  
AND NORTHERN AFFAIRS

NATIONAL TOPOGRAPHIC SERIES 42M

PLAN NO. **M-2321**

**ONTARIO  
DEPARTMENT OF MINES  
AND NORTHERN AFFAIRS**



AREA OF

# OPIKEIGAN LAKE

*Claim Map*

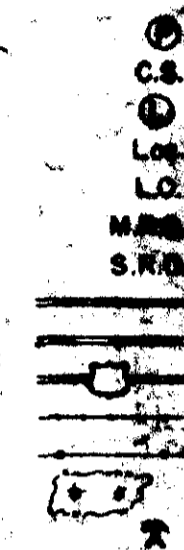
DISTRICT OF  
KENORA - PATRICIA PORTION

PATRICIA  
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 MUSKEG
- MINES



### NOTES

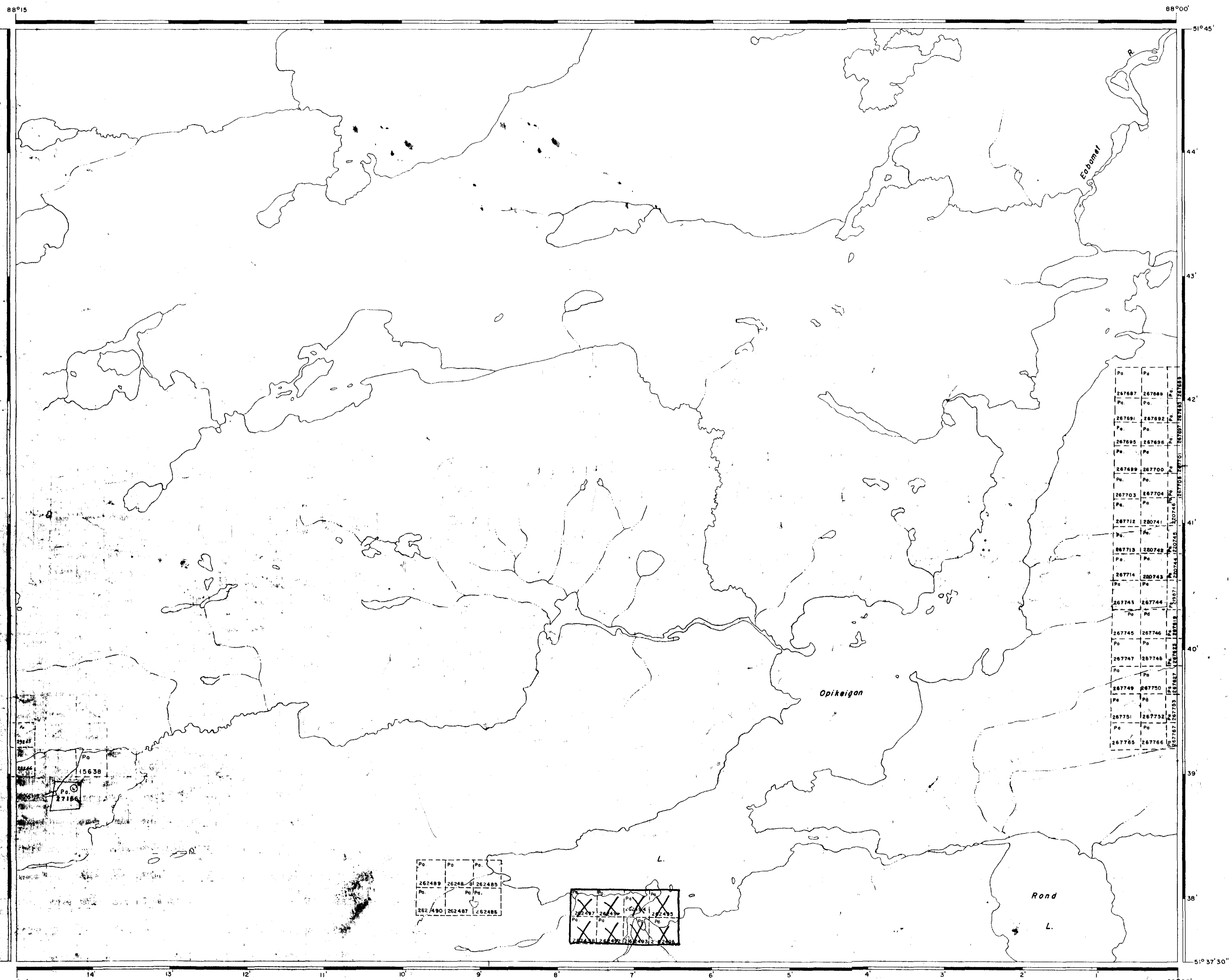
400' reserve around all lakes and rivers to Dept. of Lands & Forests.

DATE OF ISSUE  
 JUN 25 1971  
 DEPT. OF MINES  
 AND NORTHERN AFFAIRS

NATIONAL TOPOGRAPHIC SERIES 52 P

PLAN NO. **M-2325**

**ONTARIO  
DEPARTMENT OF MINES  
AND NORTHERN AFFAIRS**



INDIAN RESERVE 64

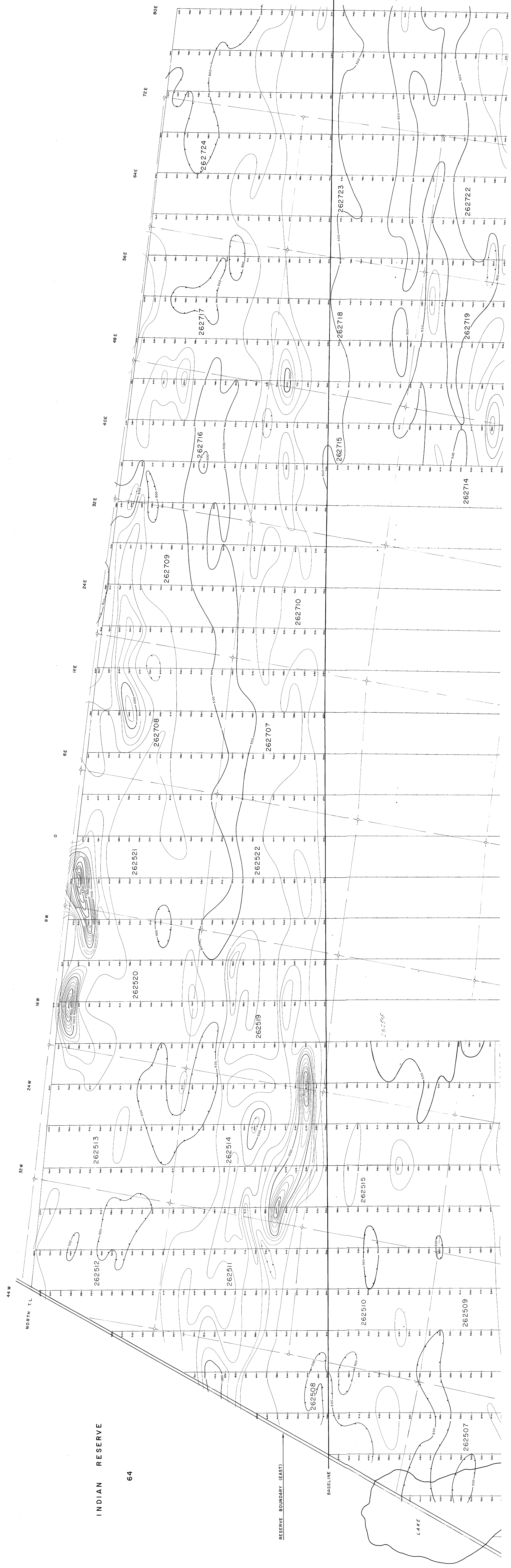
KEY PLAN

PATRICIA MINING DIVISION

200m. from G.D.M. Claim Map M. 632

Scale: 1:10,000

262508	262509	262510	262511	262512	262513	262520	262521	262522	262707	262708	262709	262710	262714	262715	262716	262717	262718	262722	262723	262724
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INDIAN RESERVE  
64

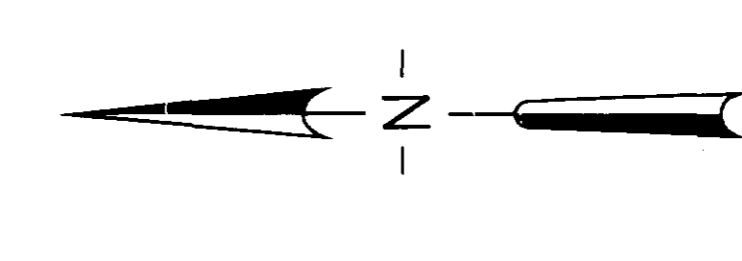
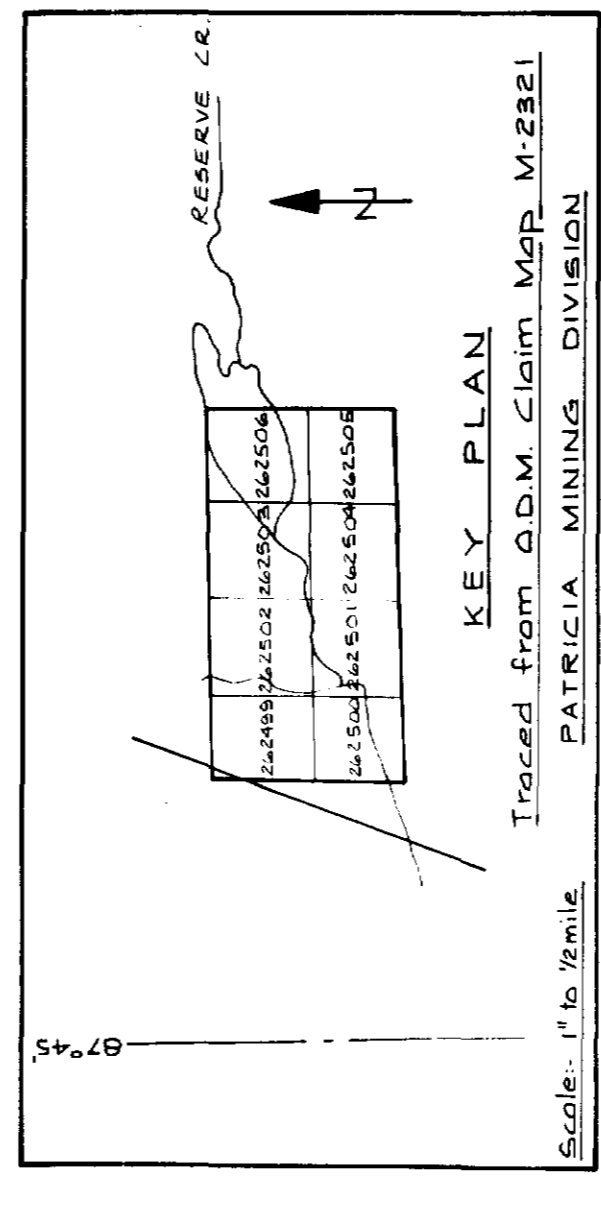
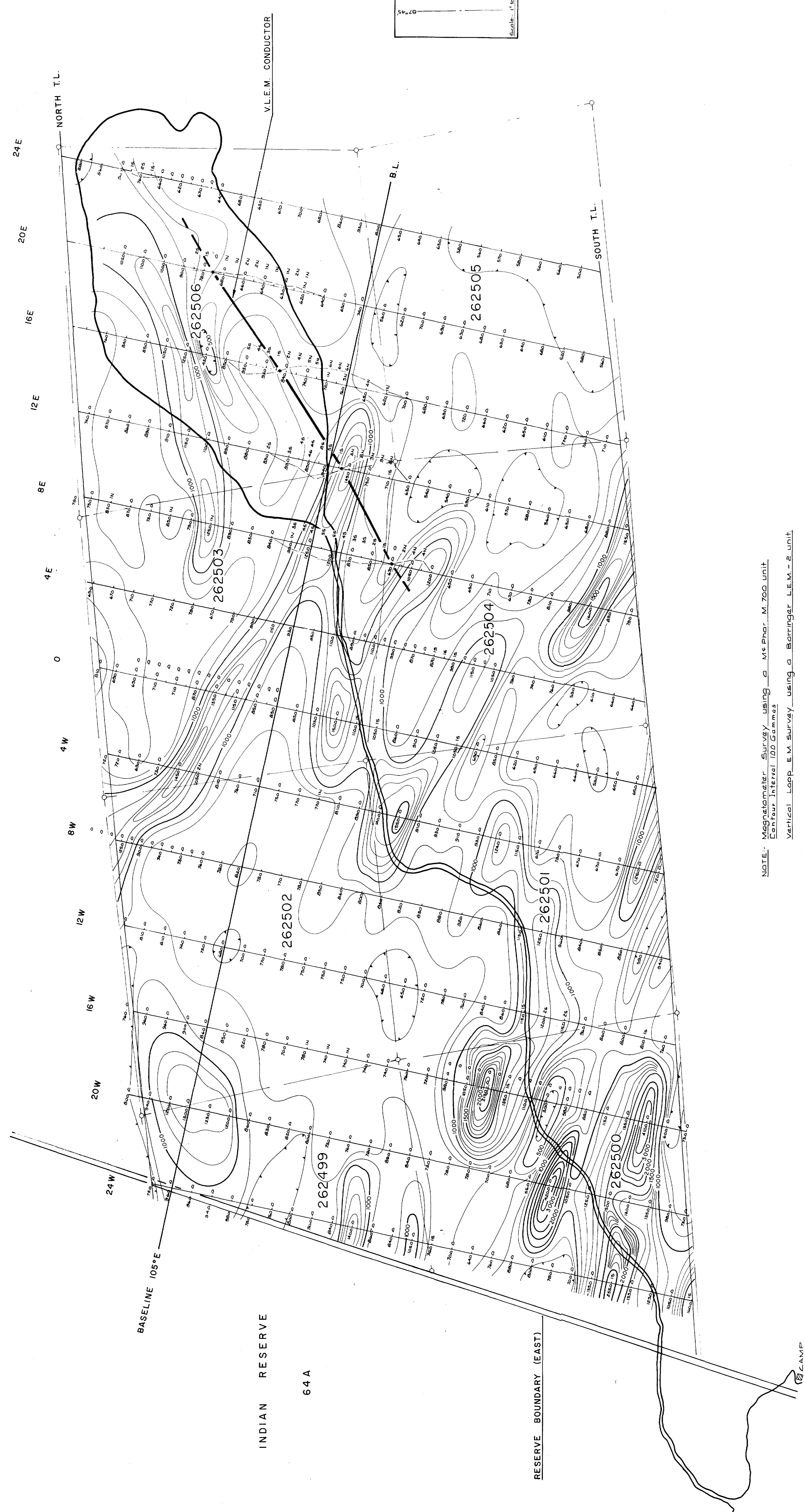
RESERVE BOUNDARY (EAST)

BASELINE

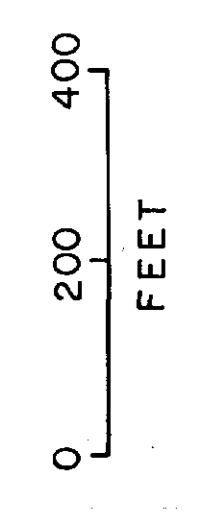
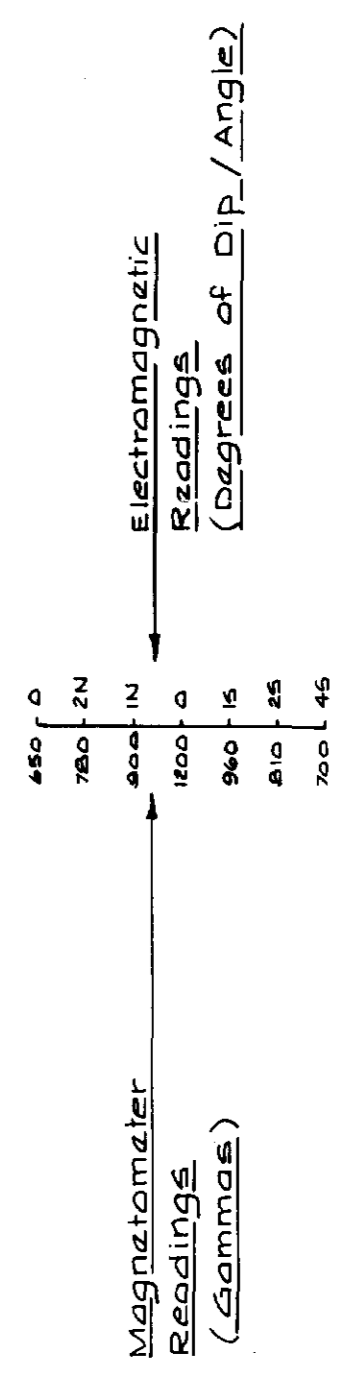
LAKE

262518

NORTH T.L.



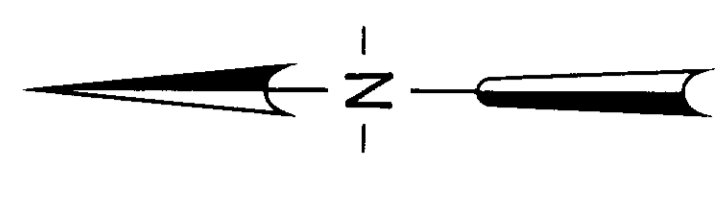
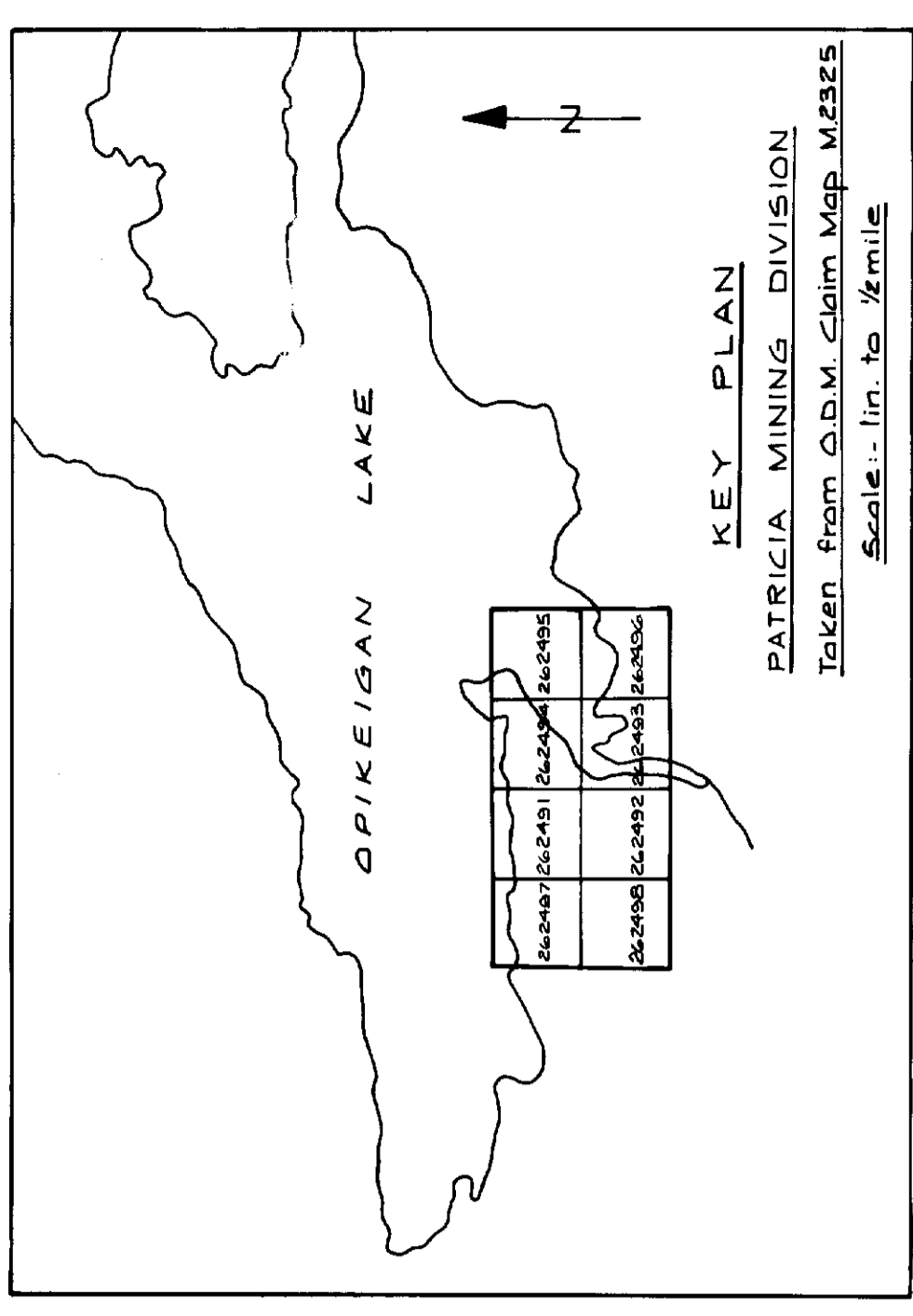
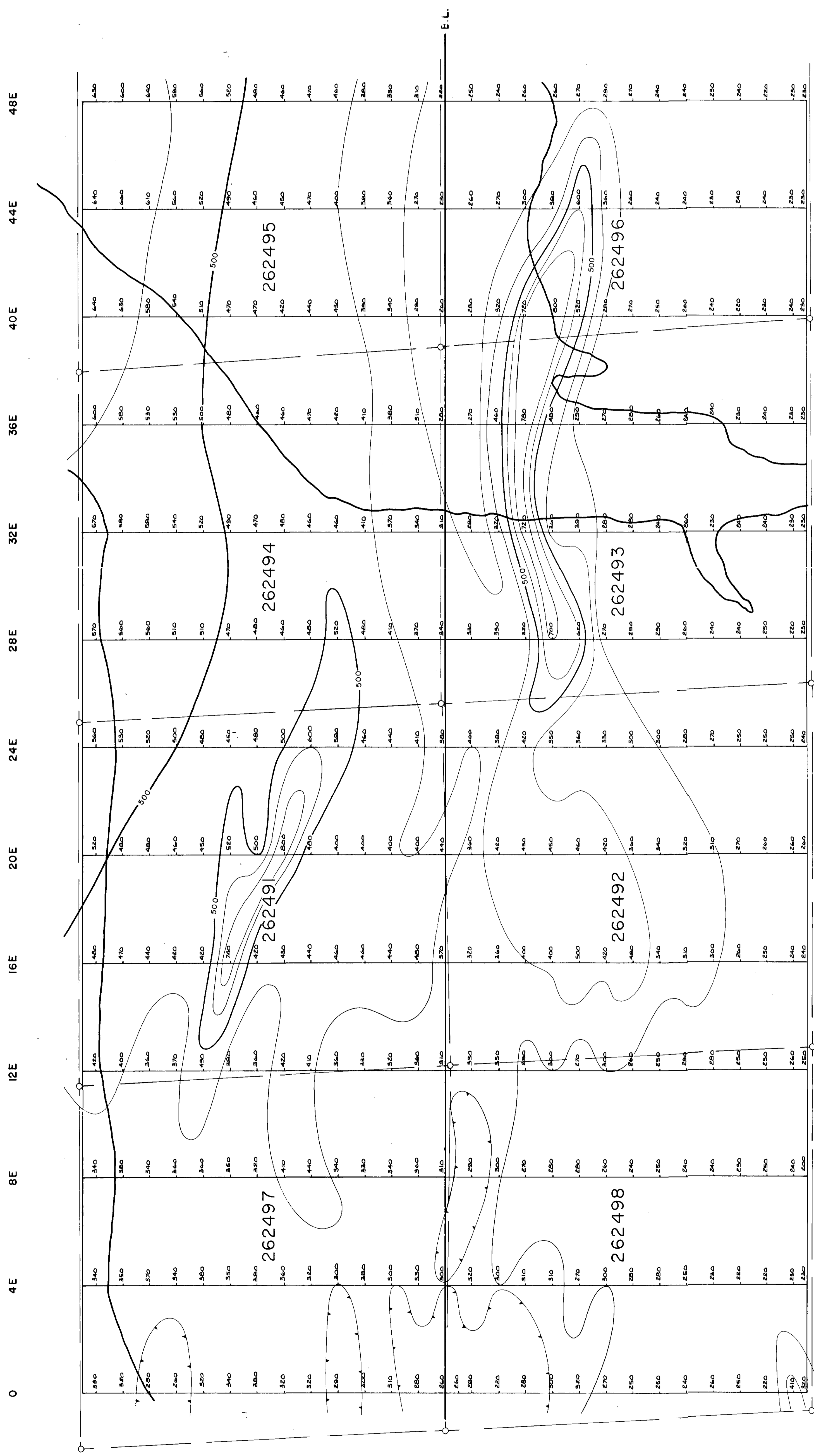
NOTE: Magnetometer Survey using a M.Phar. M.700 unit  
 Contour Interval 100 Gammas  
 Vertical Loop E.M. Survey using a Barringer L.E.M.-2 unit.



*John*

**SELCO EXPLORATION CO. LTD.**  
**FORT HOPE AREA**  
 GRID "M"  
 V.L.E.M. & MAG. SURVEY 2460  
 DRAWN P.C.L. A.M. DATE May, 1971 SCALE  
 TRACED BY M.H. SE.577

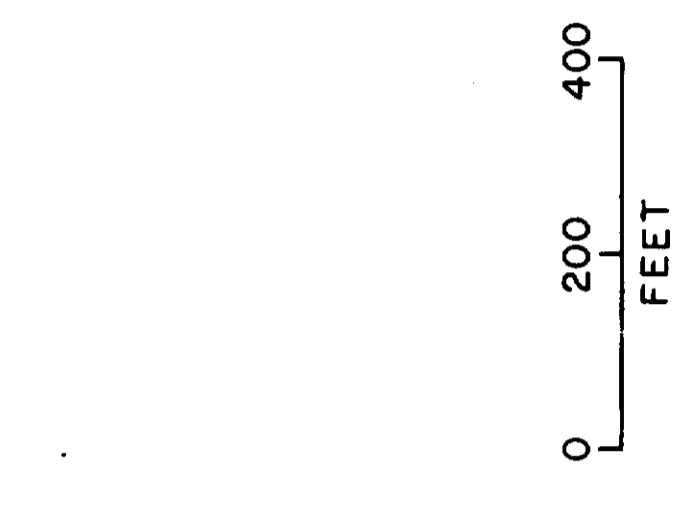




480  
460  
440  
420

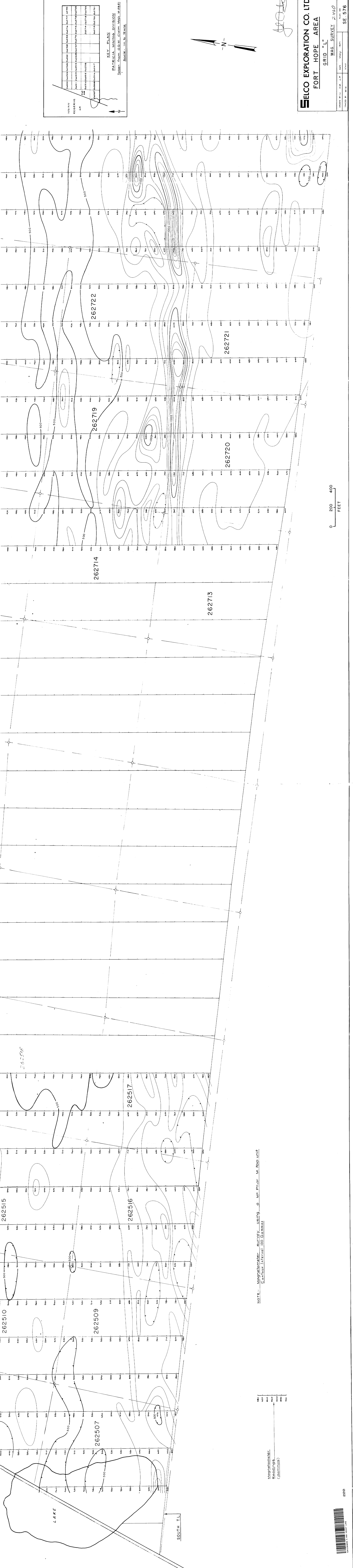
→ Magnetometer Readings (Gammmas)

NOTE: Magnetometer survey using a McPhar M.700 unit. Contour interval 100 Gammmas

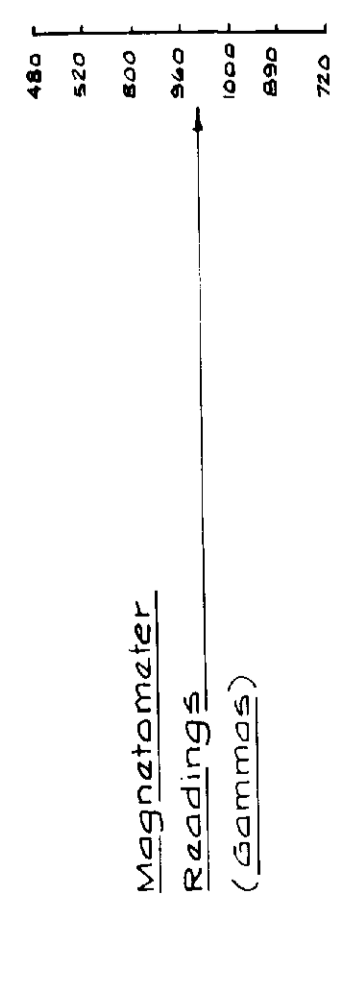


**SELCO EXPLORATION CO. LTD.**  
**FORT HOPE AREA**  
 GRID "N"  
 V.L.E.M. 8 MAG. SURVEY 2-1-60  
 DRAWN BY C.P. DATE April 1971 SCALE PLAN NO  
 TRACED BY M.H. SE 578





NOTE: Magnetometer survey using a Mc.P.P.or. M. 700 unit  
 Contour Interval 100 Gammas



**SELCO EXPLORATION CO. LTD.**  
**FORT HOPE AREA**  
 GRID "L"  
 MAG. SURVEY 2460

DRAWN BY: A.M. G.P. DATE: MAY 1971  
 CHECKED BY: M.M. SCALE:

PLAN NO. SE. 576