



32D04SE0417 2.12800 SKEAD

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**RECEIVED**

OCT 14 1989

**MINING LANDS SECTION**

*Post marked*

*Oct 06/89*

*See file 2.12793*

*L/S.*

**REPORT ON GEOLOGICAL SURVEY**

**LOT 5 CONCESSION 6**

**SKEAD TOWNSHIP, ONTARIO**

by

**R.A. MacGregor, P. Eng.**

**October 2, 1989**

**2.12800**

## I. INTRODUCTION

A geological survey was carried out during October and November of 1986 by T. Hughes on two claims in Skead Township. The results are shown on plans in the back pocket.

## II. LOCATION, ACCESS AND OWNERSHIP

The claims are located in Lot 5 Con 6 Skead Township. The claims are numbered L772341 to L1772342. They are recorded in the name of R.A. MacGregor, 28 Ford Street, Sault Ste. Marie, Ontario.

Access to the property is by bush roads from Highway 624 about 8 miles south of Larder Lake.

## III. PREVIOUS EXPLORATION

There are a number of old pits and trenches with diamond drilling indicated on the geological map, but no record of this work.

## IV. GEOLOGY

According to ODM Map 1947 - 1 by Jas. E. Thomson, the claims are underlain by Temiskaming sediments cut by Algoman syenite with some Keewatin volcanics in the south. Drift is extensive.

Recent mapping shows the claims underlain by Larder Lake group ultramafic volcanoclastics and sediments cut by syenite and hornblende syenite dykes or sills. There is an outcrop of felsic volcanics on the south part of claims L772342, which may be part of the Skead Group. Lamprophyre outcrops on claim L772342. It is probably a dyke.

## VI. SURVEY PROCEDURE

Lines were re-cut following an old survey grid about five to six years old. The lines were still visible but much overgrown with brush and fallen trees. The baseline trends about N 55° W. Concession lines and some claim lines were also cut out with lines extended south from the north boundary. The geological survey was run by traversing lines,

**Survey Procedure (Continued)**

claim lines, shoreline and checking intervening areas for outcrop. The outcrops were examined and plotted on 1:2500 plans. Note was also made of ground conditions and forest cover.

**VII. RESULTS AND CONCLUSIONS**

The geological survey has outlined outcrop and overburdened areas as well as rock types and mineralization. It will assist in assessing the area for further exploration.

Respectfully submitted



R.A. MacGregor, P. Eng.

October 2, 1989

CERTIFICATE

I, Robert A. MacGregor, Certify:

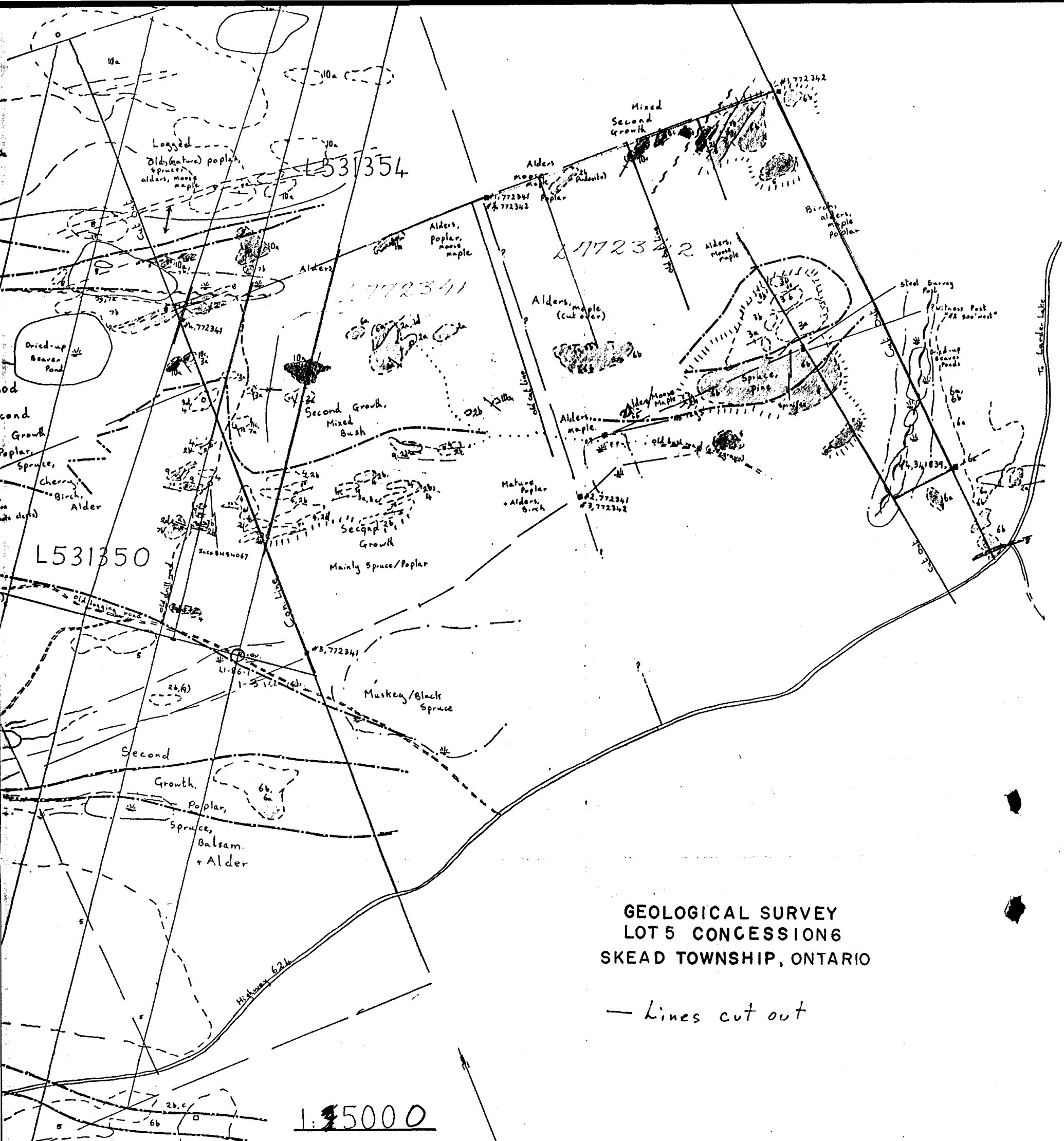
1. I am a Mining Engineer residing at 28 Ford Street, Sault Ste. Marie, Ontario. I have worked as a mining engineer and geologist for the past 20 years.
2. I am a member of the Association of Professional Engineers of the Province of Ontario and a member of the Canadian Institute of Mining and Metallurgy.
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 have personal knowledge of the work performed.

Oct 2/89

Date



Robert A. MacGregor



**GEOLOGICAL SURVEY**  
**LOT 5 CONCESSION 6**  
**SKEAD TOWNSHIP, ONTARIO**

— Lines cut out

1:5000

2.12300

Legend

- ◆ Diamond Drill Hole. Vertical Projection
- ① Overburden Drill Hole. with Lithology of Bedrock
- ↔ Outcrop.
- △ Float
- Pit
- Strike & Dip of Bedding.
- " " " Foliation.
- ☀ Low Ridge
- Extent of Vegetation
- ☹ Marsh
- Claim Post
- ==== Old Bush Road
- Drill Road.
- ~ ~ ~ Shear.
- Major Lithological Contact
- Minor " "

1. Mafic - Intermediate Volcanics. Flows or Sub-Volcanic Dikes of Komatiitic or Basaltic Affinity.
  - a. Massive, fine to med grained. Can be pillowed.
  - b. Diabase.
  - c. Peridotite
  - d. Gabbro, Pyroxenite
2. Felsic - Intermediate Volcanics. Pyroclastic Tuffs. Ash-Xt, Ash-Lapilli, porphyroblastic or Vitric. May be Na, carbonate or haematite altered.
  - a. Massive, fine-grained, often containing gte. shards.
  - b. Feldspar porphyroblastic; Crystal Shard Tuff.
  - c. Fel.-alt. " " "
3. Felsic, Rhyodacitic to Rhyolitic Pyroclastics. Skead Volcanics. Largely, Crystal or Vitric Tuffs.
  - a. } As 2.
  - b. }
  - c. }
4. Ultramafic Volcaniclastics. Flow top lavas, debris flows, Lahars.
  - ⑥ Peridotite, Serpentine, Dunite.
- ⑦ Mafic Intrusives. Late-stage differentiates from Peridotite Feeders.
  - a. Diabase
  - b. Gabbro
- ⑧ Mafic Syenites
  - a. Hornblende Sy.
  - b. Biotite sy
  - c. Syenodiorite

- ⑨ Lamprophyre. Med.-grained. Hornblende - Biotite - Chlorite - Carbonate - Specularite rich.
- ⑩ Syenite. Differentiate from Hypabyssal Intrusives. (Mafic Syenite is their extrusive equivalent. Are essentially Ash-Xt.)
- ⑪ Immature, Clastic Sediments.
  - a. Greywacke.
  - b. Chert (Chemical Sediment).
  - c. Siltstone/Mudstone.
  - d. Mafic Volcaniclastics. Haematitic, Chloritic, Biotitic.
- ⑫ Gowganda Formation. Polyimictic Conglomerate.



900

Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

December 27, 1989

Mining Lands Section  
880 Bay Street, 3rd Floor  
Toronto, Ontario  
M5S 1Z8

Telephone: (416) 965-4888

Your File: W8908-354  
Our File: 2.12800

Mining Recorder  
Ministry of Northern Development and Mines  
4 Government Road East  
Kirkland Lake, Ontario  
P2N 1A2

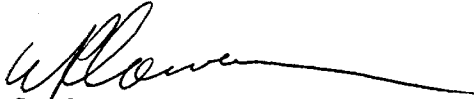
Dear Sir:

Re: Notice of Intent dated November 21, 1989 for Geological Survey  
submitted on Mining Claims in Skead Township.

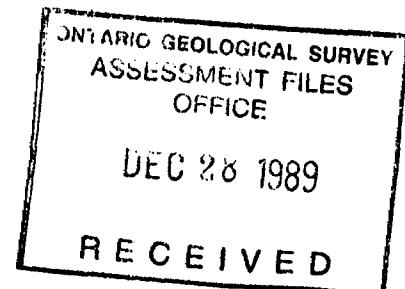
The assessment work credits, as listed with the above-mentioned Notice of Intent  
have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your  
records.

Yours sincerely,

  
W.R. Cowan  
Provincial Manager, Mining Lands  
Mines & Minerals Division

RM:eb  
Enclosure



cc: Mr. G.H. Ferguson  
Mining and Lands Commissioner  
Toronto, Ontario

Resident Geologist  
Kirkland Lake, Ontario

R.A. MacGregor  
28 Ford Street  
Sault Ste. Marie, Ontario  
P6A 4N4



Recorded Holder  
**R.A. MACGREGOR**

Township or Area  
**SKEAD TOWNSHIP.**

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological <u>36</u> days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	<b>L 772341-342</b>

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey                       insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.



Ministry of  
Northern Development  
and Mines

**DOCUMENT No.**  
**W8908.354**

**Instructions**

- Please type or print.
- Refer to Section 77, the Mining Act for assessment work requirements and maximum credits allowed per survey type.
- If number of mining claims traversed exceeds space on this form, attach a list.
- Technical Reports and maps in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch:

**(REVISED)**  
**Report of Work**  
**Mining Act** (Geophysical, Geological and Geochemical Surveys)

Type of Survey(s) <b>Geological</b>	Mining Division <b>Larder Lake</b>	Township or Area <b>Skead Township</b>
Recorded Holder(s) <b>R.A. MacGregor</b>	Prospector's Licence No. <b>K-15070</b>	
Address <b>28 Ford Street, SAULT STE. MARIE, Ontario P6A 4N4</b>	Telephone No. <b>949-5928</b>	
Survey Company <b>Sudbury Contact Mines Ltd.</b>	Date of Survey (from & to) <b>25 10 86 15 11 86</b>	
Name and Address of Author (of Geo-Technical Report) <b>R.A. MacGregor, 28 Ford St., Sault Ste. Marie, Ont.</b>		

**Credits Requested per Each Claim in Columns at right**

**Mining Claims Traversed (List in numerical sequence)**

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic - Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other Geological Geochemical	<b>40</b>
<b>Man Days</b> Complete reverse side and enter total(s) here	- Electromagnetic - Magnetometer - Other Geological Geochemical	
<b>Airborne Credits</b> Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic Magnetometer Other	

Mining Claim		Mining Claim		Mining Claim	
Prefix	Number	Prefix	Number	Prefix	Number
<b>L</b>	<b>772341</b>				
	<b>772342</b>				
<b>RECEIVED</b>					
<b>NOV 16 1989</b>					
<b>MINING LANDS SECTION</b>					

Total miles flown over claim(s).  
Date **Oct. 2, 1989** Recorded By/for Agent/Signature *[Signature]*

Total number of mining claims covered by this report of work. **2**

**Certification Verifying Report of Work**

I hereby certify that I have a personal and intimate knowledge of the facts set forth in this Report of Work, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying  
**R.A. MacGregor, 28 Ford St., Sault Ste. Marie, Ontario P6A 4N4**

Telephone No. **705-949-5928** Date **Oct. 2/89** Certified By/Signature *[Signature]*

**For Office Use Only**

Total Days Cr. Recorded <b>80</b>	Date Recorded <b>Oct 11/89</b>	Mining Recorder <i>[Signature]</i>
	Date Approved as Recorded <i>[Signature]</i>	Provincial Manager, Mining Lands <i>[Signature]</i>
<i>See revised statement</i>		

Received Stamp

**RECEIVED**  
**OCT 11 1989**  
**9:35am**





2. 12300

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(s) GEOLOGICAL
Township or Area Skead Township
Claim Holder(s) R.A. MacGregor
Survey Company Colex Exploration Inc.
Author of Report R.A. MacGregor,
Address of Author P.O. Box 1110, Sault Ste. Marie, Ont.
Covering Dates of Survey 25 10 86 to 02 10 89
Total Miles of Line Cut

MINING CLAIMS TRAVERSED
List numerically

Table with columns for prefix and number. Contains entries: 772341, 772342. Total Claims: 2

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.
ENTER 20 days for each additional survey using same grid.

Geophysical
-Electromagnetic
-Magnetometer
-Radiometric
-Other
Geological 40
Geochemical

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

Magnetometer Electromagnetic Radiometric
(enter days per claim)

DATE: Oct. 2/89 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. Qualifications 2.1102

Previous Surveys

Table with columns: File No., Type, Date, Claim Holder

OFFICE USE ONLY

If space insufficient, attach list

**GEOPHYSICAL TECHNICAL DATA**

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

Number of Stations \_\_\_\_\_ Number of Readings \_\_\_\_\_  
Station interval \_\_\_\_\_ Line spacing \_\_\_\_\_  
Profile scale \_\_\_\_\_  
Contour interval \_\_\_\_\_

**MAGNETIC**

Instrument \_\_\_\_\_  
Accuracy – Scale constant \_\_\_\_\_  
Diurnal correction method \_\_\_\_\_  
Base Station check-in interval (hours) \_\_\_\_\_  
Base Station location and value \_\_\_\_\_  
\_\_\_\_\_

**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.

J.A.D. AND GRAVEL  
of MTC PIT NOJ230

RF 165 APPLICATION UNDER PUBLIC LANDS ACT

AREAS WITHDRAWN FROM STAKING

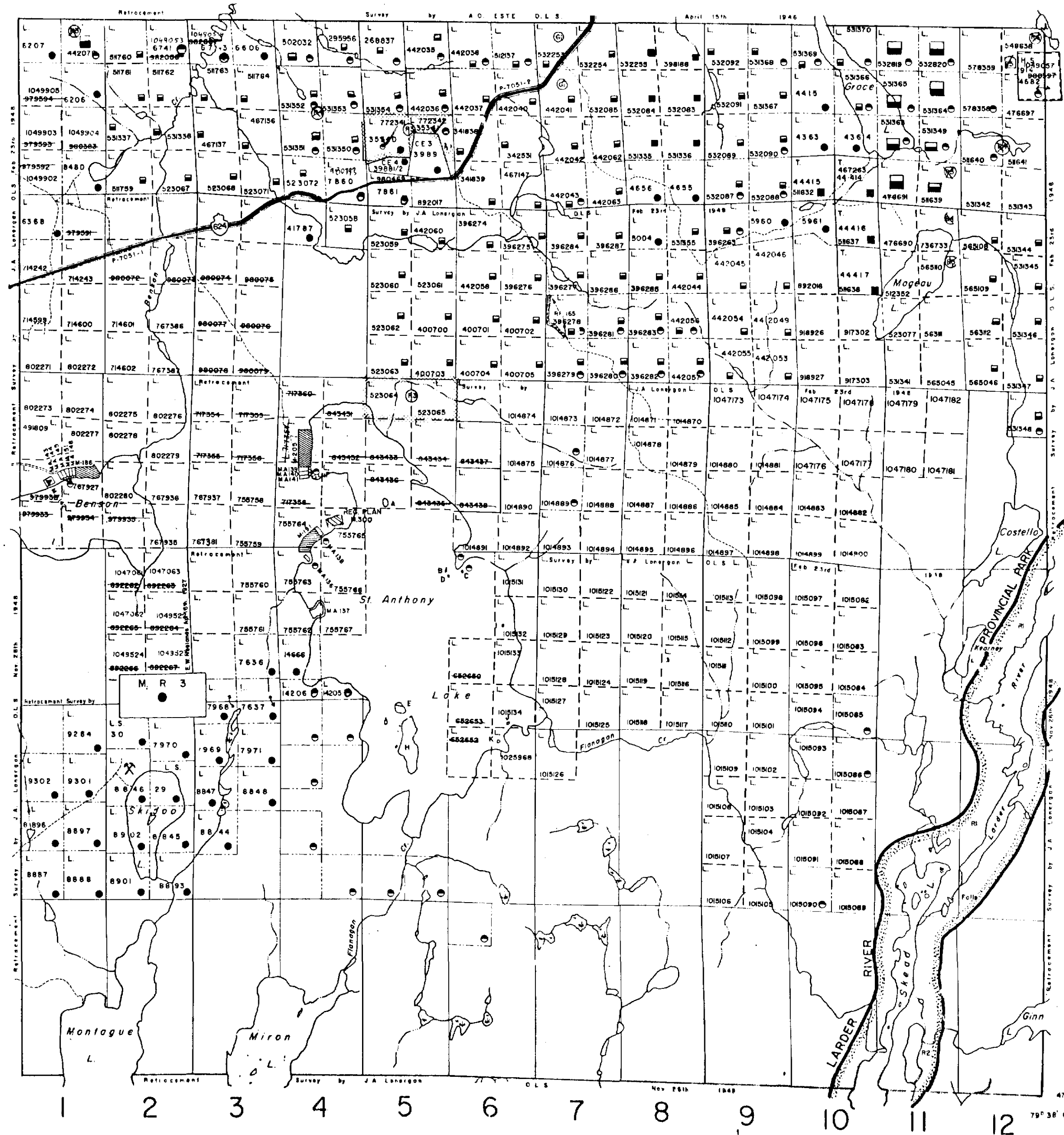
- (R<sup>1</sup>) Surface and Mining Rights Withdrawn from Staking, section 36/80 order No. W-63-83
- (R<sup>2</sup>) Surface and Mining Rights Withdrawn from Staking, section 36/80 order No. W-8-85
- (R<sup>3</sup>) Surface and Mining Rights Withdrawn from Staking, section 36/80 order No. W-7-86  
PART OF R3 REOPENED BY ORDER O-19/86L NOV 30/88
- (R<sup>4</sup>) Surface and Mining Rights Withdrawn from Staking, section 36/80 order No. W-8-86  
PART OF R4 REOPENED BY ORDER O-19/86L NOV 30/88
- (R<sup>5</sup>) Surface and Mining Rights Withdrawn from Staking, section 36/80 order No. W-9-86  
Part of R5 re-opened O34/86, O33/86, O12/87  
PART OF R5 REOPENED BY O 27 86 NR MAR 30/88.
- (R<sup>6</sup>) Surface and Mining Rights Withdrawn from Staking, section 36/80 order No. W-72-87  
PART OF R6 REOPENED BY O-17/86L NOV 30/88

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE  
TIMISKAMING MANAGEMENT UNIT  
AND MAY BE SUBJECT TO FORE  
THE MNR UNIT FORESTER FOR  
CONTACTED AT: P.O. BOX 129  
SWASTIKA, OI  
POK ITO  
705-642-3222



HEARST TP. M.354

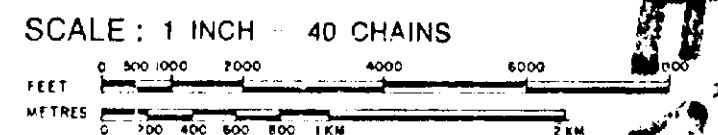


LEGEND

- 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  
**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

DATE OF ISSUE  
FEB 10 1989