



32004SW0037 2.0272 GAUTHIER

010

REPORT ON  
SOIL SAMPLING AND MAGNETOMETER SURVEY  
GAUTHIER TWP, ONTARIO  
BY  
R.A. MACGREGOR P. ENG.  
JULY 6, 1985

RECEIVED  
JUL 11 1985  
MINING LANDS SECTION

## 1. INTRODUCTION

A soil sampling survey was conducted over lines cut and picketed along the claim boundaries. A magnetometer survey was conducted over previously cut lines to complete a survey which had covered a part of the property previously.

### 11. LOCATION, ACCESS AND OWNERSHIP

The property is located in the central part of Gauthier Township just north of the south boundary, Larder Lake Mining Division, District of Temiskaming, Ontario. The claims are numbered L544734 to 544738 inclusive and L565101 to 565106 inclusive. They are recorded in the name of R.A. MacGregor, 134 Palace Drive, Sault Ste. Marie, Ontario.

Highway 66, a paved highway, passes through the north-east corner of the claims. A bush road passable to 4-wheel drive vehicles extends south from the highway near the east side of the claims. The claims are about 6 miles west of Larder Lake and 12 miles east of Kirkland Lake, both on Highway 66.

### III. PREVIOUS EXPLORATION

There are few old pits and trenches on parts of the claims, and evidence of trenching to reach bedrock in the drift covered areas which cover most of the claims. Previous operators are also reported to have put down a number of diamond drill holes.

#### IV. TOPOGRAPHY

Nearly all of the property is covered by Pleistocene sand, gravel or swamp. There are two low hills on which there is some outcrop located. In the sandy areas which cover a large part of the property, forest cover consists of jack-pine, spruce and some poplar and labrador tea. The swampy areas are covered with black spruce, alder, willow and some poplar. A stream runs through the east part of the claims, and is flooded for its entire length by a series of beaver ponds.

#### V. MAPPING PROCEDURE

Lines were cut along the boundary lines of the claims, chained and picketed at 100 foot intervals. Soil samples were taken at each picket with a small shovel to obtain a sample of the 'A' horizon.

Magnetometer readings were taken with a Barringer GM-122 instrument at 100 foot intervals on a previously cut grid. Readings were a continuation of a survey carried out in 1983 which covered only a part of the property. The looping method was used for control of 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

MAPPING PROCEDURE (Continued)

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.

VI. GENERAL GEOLOGY

The general geology of Gauthier Township has been described by J.E. Thomson and Q.T. Giffis<sup>(1)</sup>. The area is underlain by early Precambrian volcanic, sedimentary and intrusive rocks, The area is crossed by the Larder Lake Break, a zone of carbonatization and shearing.

The classification used is the same as that for McVittie Township to the east. The volcanics are classified as Temiskaming or Keewating cut by later Algoman intrusives. The geological succession of the area as proposed by Thomson is given in the "Table of Formations".

VII. DISCUSSION OF RESULTS

The magnetometer readings approximately define the contact between the volcanics to the west and syenite to the east. Higher readings in the volcanic could indicate interbedded iron formation.

The soil sampling results are inconclusive.

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1) O.D.M. Report Vol. 50 part 8, 1941

VII. CONCLUSIONS

The magnetometer survey will be useful in attempting to define the syenite-volcanic contact.

Respectfully submitted

A handwritten signature in cursive script, appearing to read "R. MacGregor".

R.A. MacGregor, P. Eng.

July 6, 1985

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 17 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.

July 6/85  
Date

A circular seal for the Association of Professional Engineers of the Province of Ontario. The seal contains the text "ASSOCIATION OF PROFESSIONAL ENGINEERS OF THE PROVINCE OF ONTARIO" around the perimeter. In the center, there is a stylized "E" and the name "R. A. MacGregor". A signature is written across the seal.  
Robert A. MacGregor



Mining Lands Section

File No **2.8272**

Control Sheet

TYPE OF SURVEY  GEOPHYSICAL

GEOLOGICAL

GEOCHEMICAL

EXPENDITURE

**MINING LANDS COMMENTS:**

*no maps.*

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*Lgd.  
H.S.*

*Denis K.*

---

Signature of Assessor

*85.11.28*

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Date



**Report of Work**  
(Geophysical, Geological,  
Geochemical and Expenditures)

File: 2.8272

Instructions: - Please type or print.  
- If number of mining claims traversed exceeds space on this form, attach a list.  
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.  
- Do not use shaded areas below.

**Mining Act**

*(fee L565101)*

Type of Survey(s) <b>Assaying</b>	Township or Area <b>Gauthier Twp.</b>
Claim Holder(s) <b>R.A. MacGregor</b>	Prospector's Licence No. <b>K-15070</b>
Address <b>134 Palace Dr., Sault Ste. Marie, Ontario P6B 5H5</b>	
Survey Company <b>Colex Exploration Inc.</b>	Date of Survey (from & to) Day   Mo.   Yr.   Day   Mo.   Yr.
Name and Address of Author (of Geo-Technical report) <b>R.A. MacGregor, 134 Palace Dr., Sault Ste. Marie, Ontario P6B 5H5</b>	

Credits Requested per Each Claim in Columns at right

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)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days  Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits  Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
<b>L</b>	<b>565101</b>	<b>20</b>			
	<b>565102</b>	<b>11.35</b>			
	<b>565103</b>	<b>20</b>			
	<b>565104</b>	<b>20</b>			
	<b>565105</b>	<b>20</b>			

LARDER LAKE MINING DIV.  
**RECEIVED**  
AUG 12 1985  
AM 7 18 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 PM

**RECEIVED**  
AUG 9 1985  
MINING LANDS SECTION

Expenditures (excludes power stripping)

Type of Work Performed <b>Assaying</b>
Performed on Claim(s) <b>L565101-06</b> <b>L544734-38</b>
Calculation of Expenditure Days Credits Total Expenditures <b>\$ 1,370.20</b> ÷ <b>15</b> = <b>91.35</b> Total Days Credits
Instructions Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work. **5**

Date <b>Aug. 9/85</b>	Recorded For or by Agent (Signature) <i>R. MacGregor</i>
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For Office Use Only		Mining Records	
Total Days Cr. Recorded <b>91.35</b>	Date Recorded <b>AUG 12 1985</b>	Date Approved as Recorded <b>85-12-06</b>	Branch Director <i>R. Pichette</i>

Certification Verifying Report of Work

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

Name and Address of Author <b>R.A. MacGregor, 134 Palace Dr., Sault Ste. Marie, Ontario P6B 5H5</b>	Date Certified <b>Aug. 9/85</b>	Certified by (Signature) <i>R. MacGregor</i>
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1985 11 28

Your File: 184  
Our File: 2.8272

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

Dear Sir:

RE: Notice of Intent dated October 22, 1985  
Geophysical (Magnetometer) and Geochemical  
Surveys on Mining Claims L 565101, et al,  
in Gauthier Townships

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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,

S.E. Yundt  
Director  
Land Management Branch

Whitney Block, Room 6643  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone:(416)965-4888

DK/mc

cc: R.A. MacGregor  
134 Palace Drive  
Sault Ste. Marie, Ontario  
P6B 5H5

Mr. G.H. Ferguson  
Mining & Lands Commissioner  
Toronto, Ontario

Resident Geologist  
Kirkland Lake, Ontario

Encl.



Recorded Holder

R.A. MacGREGOR

Township or Area

GAUTHIER TOWNSHIP

Type of survey and number of  
Assessment days credit per claim

Mining Claims Assessed

Geophysical

Electromagnetic \_\_\_\_\_ days

Magnetometer 20 days

Radiometric \_\_\_\_\_ days

Induced polarization \_\_\_\_\_ days

Other \_\_\_\_\_ days

Section 77 (19) See "Mining Claims Assessed" column

Geological \_\_\_\_\_ days

Geochemical 13.55 days

Man days

Airborne

Special provision

Ground

Credits have been reduced because of partial coverage of claims.

Credits have been reduced because of corrections to work dates and figures of applicant.

L 565101 to 06 inclusive  
544734 to 38 inclusive

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.



Nov. 6/85

1985 10 22

Your File: 184  
Our File: 2.8272

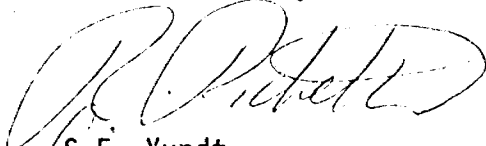
Mining Recorder  
Ministry of Northern Affairs and Mines  
4 Government Road East  
Kirkland Lake, Ontario  
P2N 1A2

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,



S.E. Yundt  
Director  
Land Management Branch

Whitney Block, Room 6643  
Queen's Park  
Toronto, Ontario  
M7A 1W3

D.K-DK/mc

Encls.

cc: R.A. MacGregor  
134 Palace Drive  
Sault Ste. Marie, Ontario  
P6B 5H5

Mr. G.H. Ferguson  
Mining & Lands Commissioner  
Toronto, Ontario



Ministry of  
Natural  
Resources

Notice of Intent  
for Technical Reports

1985 10 22

2.8272/184

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.



**Report of Work**  
(Geophysical, Geological,  
Geochemical and Expenditures)

Instructions: - Please type or print.  
- If number of mining claims traversed exceeds space on this form, attach a list.  
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.  
- Do not use shaded areas below.

2.8272

Sheet 184

The Mining Act

Type of Survey(s) <b>Magnetometer &amp; Geochemical</b>	Township or Area <b>Gauthier Twp.</b>
Claim Holder(s) <b>R.A. MacGregor</b>	Prospector's Licence No. <b>K-15070</b>
Address <b>134 Palace Dr., Sault Ste. Marie, Ontario P6B 5H5</b>	
Survey Company <b>Colex Exploration Inc.</b>	Date of Survey (from & to) Day   Mo.   Yr.   Day   Mo.   Yr. <b>1 5 85 15 5 85</b>
Total Miles of line Cut <b>10.6</b>	
Name and Address of Author (of Geo-Technical report) <b>R.A. MacGregor, 134 Palace Dr., Sault Ste. Marie, Ont. P6B 5H5</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)	- Radiometric - Other		
Man Days Complete reverse side and enter total(s) here	Geological		Days per Claim
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Geochemical		Days per Claim

Mining Claim			Expend. Days Cr.	Mining Claim			Expend. Days Cr.
Prefix	Number			Prefix	Number		
L	565101						
	565102						
	565103						
	565104						
	565105						
	565106						
	544734						
	544735						
	544736						
	544737						
	544738						

RECEIVED  
MAY - 8 1985  
MAY 17 1985  
MINING LANDS SECTION

Magnetometer  
Claims:  
L565106 5 L544736  
L544734 20 L544737  
L544735 20 L544738

See revised work statement only

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$  ÷ 15 = Total Days Credits

Instructions  
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work. **11**

Date **May 5/85** Recorder Holder or Agent (Signature) *R. MacGregor*

For Office Use Only

Total Days Cr. Recorded **530** Date Recorded **MAY - 8 1985** Mining Recorder *[Signature]*

Date Approved as Recorded **MAY - 8 1985** Branch Director *[Signature]*

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying **R.A. MacGregor, 134 Palace Dr., S.S. Marie, Ont.**

Date **May 5/85** Certified by (Signature) *[Signature]*

ASSESSMENT WORK BREAKDOWN

1. FIELD WORK

<u>Type of Work</u>	<u>Name &amp; Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
	Allan Goulais, Larder Lake	May 8-11, 13-16	8
	Leo Goulais, Larder Lake	May 15-16	2
	Mike Grenier, Larder Lake	May 8-11, 13-14	6

2. CONSULTANTS

<u>Name &amp; Address</u>	<u>Dates Worked (specify in field or office)</u>	<u>Number of 8 hour days</u>
R.A. MacGregor	Field May 8	1
134 Palace Dr. S.S. Marie, Ont.	Office July 6	1

3. DRAUGHTSMAN, TYPING, OTHERS (specify)

<u>Name &amp; Address</u>	<u>Type of Work</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
Janet Hunnie 58 Cartier S.S. Marie, Ont.	Typing, Etc.	July 7	1

TOTAL 8 HOUR TECHNICAL DAYS 19

4. LINE-CUTTING

<u>Name</u>	<u>Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
Lucien Lacasse	, Larder Lake	April 29-May 4, 6 & 7	8
Melvin Jack	, Larder Lake	April 29-May 4, 6 & 7	8

TOTAL 8 HOUR LINE-CUTTING DAYS 16

ASSESSMENT WORK BREAKDOWN

1. Type of Survey Soil sampling - Geochemical

2. Township or Area Gauthier

3. Numbers of Mining Claims Traversed by Survey 11

4. Number of Miles of Line Cut 7.72 Flown ----

\*5. Number of Stations Established --

\*6. Make and type of Instrument Used --

\*7. Scale Constant or Sensitivity --

\*8. Frequency Used and Power Output --

9. Summary of Assessment Credits (details on reverse side)

Total 8 hour Technical Days (Include Consultants, Draughting etc.) 19

Total 8 hour Line-Cutting Days 16

Calculation

$$\frac{19}{\text{Technical}} \times 7 = \frac{133}{\text{Line-cutting}} + \frac{16}{\text{Line-cutting}} = \frac{149}{\text{Line-cutting}} \div \frac{11}{\text{Number of claims}} = \frac{13.55}{\text{Assessment credits per claim}}$$

The dates listed on this form represent working time spent entirely within the limits of the above listed claims  Check  
If otherwise, please explain \_\_\_\_\_

Dated: October 9, 1985

Signed: 

- Note:
- (A) \* Complete only if applicable.
  - (B) Complete list of names, addresses and dates on reverse side.
  - (C) Submit separate breakdown for each type of survey.
  - (D) Submit in duplicate.

ROBERT A. MACGREGOR  
134 PALACE DRIVE  
SAULT STE. MARIE, ONTARIO P6B 5H5

2303

Aug. 9 19 85

PAY TO THE  
ORDER OF

Swastika Laboratories

\$ 1,370.20

-----One Thousand Three Hundred & Seventy-----20/100 DOLLARS



CANADIAN IMPERIAL BANK OF COMMERCE

530 QUEEN STREET  
SAULT STE-MARIE, ONTARIO

11345, 11313

RE

PER  
R. A. MACGREGOR

⑆00192⑆010⑆ 58⑆01419⑆

⑆0000137020⑆



SYNASTIKA LABORATORIES  
LIMITED  
FOR DEPOSIT ONLY  
IN ACCOUNT 282-7749

13/3  
13/3

AG 13  
C.I.B.C.  
ATA CENTRE  
TOR. ONT.  
09562-010

W BLEN BLEN TORONTO

REGISTERED

October 3, 1985

File: 2.8272

R.A. MacGregor  
134 Palace Drive  
Sault Ste. Marie, Ontario  
P6B 5H5

Dear Sir:

RE: Geophysical (Magnetometer) & Geochemical  
Surveys and Data for Assaying submitted  
on Mining Claims L 565101, et al, in  
Gauthier Township

---

Enclosed is a copy of our letter dated August 29,  
1985 requesting additional information for the  
above-mentioned surveys.

Unless you can provide the required data by October 15,  
1985, I will have no other alternative but to instruct  
the mining recorder to cancel the work credits recorded  
on August 12, 1985.

For further information, please contact Mr. Ray Pichette  
at (416)965-4888.

Yours sincerely,

S.E. Yundt  
Director  
Land Management Branch

Whitney Block, Room 6643  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone:(416)965-4888

DK/mc

cc: Mining Recorder  
Kirkland Lake, Ontario  
File: #184, 285

Encl.

August 29, 1985

File: 2.8272

R.A. MacGregor  
134 Palace Drive  
Sault Ste Marie, Ont  
P6B 5H5

Dear Sir:

RE: Geophysical (Magnetometer) and Geochemical Survey  
& Data for Assaying on Mining Claims L 565101 et al  
in the Township of Gauthier.

---

Examination of the reports and maps covering the above-mentioned mining claims, reveals that assessment of your requested credits may not be considered using the Special Provisions method. This is due to the lack of substantial and systematic coverage of each claim in your survey.

Credits will be allowed, however, under the Man-day method provided you complete and return the enclosed Man-day breakdown form.

In addition we require a magnetometer plan in duplicate, and receipts or cancelled cheques as verification for the \$1,370.20 expenditure credits claimed. Signed invoices are not considered to be adequate proof of payment.

When returning the above, please quote File 2.8272.

For further information, please contact Mr. D. Kinvig at 416/965-4888.

Yours sincerely,

S.E. Yundt  
Director  
Land Management Branch

Whitney Block, Room 6643  
Queen's Park  
Toronto, Ontario  
M7A 1W3

D. Kinvig:sc

Encls:

cc: Mining Recorder  
Kirkland Lake, Ont.  
Files #184, 285.

1  
a copy and receipts  
sent to Lands Management  
for inclusion with  
file 2.8272.

28272

P.O. BOX 1110  
SAULT STE. MARIE  
ONTARIO P6A 5N7

R. A. MACGREGOR, P.ENG.  
MINING ENGINEER  
134 PALACE DRIVE  
SAULT STE. MARIE, ONTARIO  
P6B 5H5

OFFICE:  
705-949-5928  
HOME:  
705-949-4250

August 9, 1985

Ministry of Natural Resources  
Lands Management Branch  
Whitney Block, Rm. 6643  
Queen's Park  
TORONTO, Ontario  
M7A 1W3

ATTN: D. Kinvig

Dear Sir:

Re: Your file 2.8272

Please find enclosed 2 copies of a geological survey plan. I also include 2 copies of certificates of analysis which should be included with the report and a copy of additional work report to cover the analysis.

Yours truly



Robert A. MacGregor, P. Eng.

RAM/jh

Encs.

RECEIVED  
AUG 12 1985  
MINING LANDS SECTION

Stamp area containing a grid, a checkmark, and names: E. A. HOGAN, W. P. BROOK, and a reference number 18 6643.



11345

# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0 TELEPHONE: (705) 642-3244

1370-20

**SOLD TO**

Mr. R. MacGregor  
Box 1110  
Sault Ste. Marie, Ontario  
P6A 5N5

**S  
H  
I  
P  
T  
O**

1.5% late charge over 30 days  
(annual rate 18%)

DATE	SHIPPED VIA	FED LICENCE NO.	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALESMAN
July 18/85							
QUANTITY	DESCRIPTION					UNIT PRICE	AMOUNT
60	Ag Assays PPM on soil					\$ 2.10	\$ 126.00
60	Sample handling					1.30	78.00
	Cert. No. 60442 July 16/85						
41	Ag Assays on soil PPM					2.10	86.10
41	Sample handling					1.30	53.30
	Cert. No. 60445 July 16/85						
60	Ag Assays PPM on soil					2.10	126.00
60	Sample handling					1.30	78.00
	Cert. No. 60408 July 15/85						
<i>pd Aug 9/85 #2303 PCH</i>							
<b>Total</b> .....						\$	<b>547.40</b>

MOORE BUSINESS FORMS 3 7060E

**ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS**  
**ESTABLISHED 1928**



FACTURE / INVOICE



# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0 TELEPHONE: (705) 642-3244

**SOLD TO**

Mr. R. MacGregor  
Box 1110  
Sault Ste. Marie, Ontario  
P6A 5N5

**S  
H  
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O**

1.5% late charge over 30 days  
(annual rate 18%)

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALESMAN
July 18/85							
QUANTITY	DESCRIPTION					UNIT PRICE	AMOUNT
60	Ag Assays on soil PPM					\$ 2.10	\$ 126.00
60	Sample handling					1.30	78.00
	Cert. No. 60366 July 11/85						
60	Ag Assays on soil PPM					2.10	126.00
60	Sample handling					1.30	78.00
	Cert. No. 60371 July 11/85						
62	Ag Assays on soil PPM					2.10	130.20
62	Sample handling					1.30	80.60
	Cert. No. 60383 July 11/85						
60	Ag Assays on soil PPM					2.10	126.00
60	Sample handling					1.30	78.00
	Cert. No. 60404 July 15/85						
<i>pd Aug 9/85 #2303</i>							
<b>Total</b> .....						\$	822.80

MOORE BUSINESS FORMS 3 7060E

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS  
ESTABLISHED 1928

FACTURE / INVOICE





# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

## Certificate of Analysis

Certificate No. 60366

Date: July 11 1985

Received June 24/85 60 Samples of soil

Submitted by Mr. R. MacGregor, Sault Ste. Marie, Ontario

SAMPLE NO.	SILVER PPM	SAMPLE NO.	SILVER PPM	SAMPLE NO.	SILVER PPM
L-0-0W	Nil	L-0-2400W	Nil	L-0-1800S	0.2
-100W	Nil	-2500W	0.2	-1900S	0.1
-200W	Nil	-2600W	Nil	-2000S	0.1
-300W	Nil	-2700W	Nil	-2100S	0.2
-400W	Nil	-2800W	Nil	-2200S	0.1
-500W	Nil	-2900W	Nil	-2300S	0.1
-600W	Nil	-3000W	Nil	-2500S	0.1
-700W	Nil			-2600S	0.1
-800W	Nil	L-0-0S	0.1	-2700S	0.1
-900W	Nil	-100S	0.1	-2700AS	Nil
-1000W	Nil	-200S	0.2	24 -2700BS	0.1
-1100W	Nil	-300S	0.1	-2800S	Nil
-1200W	Nil	-400S	0.1	-2900S	0.1
-1300W	Nil	-600S	Nil		
-1400W	Nil	-700S	0.2		
-1500W	Nil	-800S	Nil		
-1600W	Nil	-900S	Nil		
-1700W	0.1	-1000S	Nil		
-1800W	Nil	-1200S	0.2		
-1900W	Nil	-1300S	0.1		
-2000W	Nil	-1400S	0.2		
-2100W	Nil	-1500S	0.1		
-2200W	Nil	-1600S	0.2		
-2300W	Nil	-1700S	0.1		

Per G. Lebel  
G. Lebel -- Manager

ESTABLISHED 1928





# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0  
TELEPHONE: (705) 642-3244  
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

## Certificate of Analysis

Certificate No. 60371

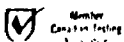
Date: July 11 1985

Received June 24 1985 60 Samples of soils

Submitted by Mr. R. MacGregor, Sault Ste. Marie, Ontario

SAMPLE NO.	SILVER PPM	SAMPLE NO.	SILVER PPM	SAMPLE NO.	SILVER PPM
L-0-3000S	Nil	L-0-5200S	Nil	L-1-100W	Nil
-3100S	Nil	-5300S	Nil	-200W	Nil
-3200S	Nil	-5400S	Nil	-300W	Nil
-3300S	Nil	-5500S	Nil	-400W	Nil
-3400S	Nil	-5600S	Nil	-500W	Nil
-3500S	Nil	-5700S	Nil	-600W	Nil
-3600S	Nil	-5800S	Nil	-800W	Nil
-3700S	Nil	-5900S	Nil	-900W 1	Nil
-3800S	Nil	-6000S	Nil	-900W 2	Nil
-3900S	Nil	-6100S	Nil	-1000W 1	Nil
-4000S	Nil	-6200S	Nil	-1000W 2	Nil
-4100S	Nil	-6300S	Nil	-1100W	Nil
-4200S	Nil	-6500S	Nil	-1200W	Nil
-4300S	Nil	-6600S	Nil	-1300W	Nil
-4400S	Nil	-6700S 1	Nil	-1400W	Nil
-4500S	Nil	-6700S 2	Nil	-1500W	Nil
-4600S	Nil	-6800S	Nil	-1700W 1	Nil
-4700S	Nil	-6900S	Nil	-1700W 2	Nil
-4800S	Nil	-7000S	Nil		
-4900S	Nil	-7060S	Nil		
-5000S	Nil				
-5100S	Nil				

Per   
G. Lebel -- Manager





# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0  
TELEPHONE: (705) 642-3244  
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

## Certificate of Analysis

Certificate No. 60383 Date: July 11 1985  
Received June 24 1985 62 Samples of soil  
Submitted by Mr. R. MacGregor, Sault Ste. Marie, Ontario

SAMPLE NO.	SILVER PPM	SAMPLE NO.	SILVER PPM	SAMPLE NO.	SILVER PPM
L-1-1800W	Nil	L-1-2900S	Nil	L-1-5100S	Nil
-1900W	Nil	-3000S	Nil	-5200S	Nil
-1958W	Nil	-3100S	Nil	-5300S	Nil
L-1-100S	Nil	-3200S	Nil	-5400S	Nil
-200S	Nil	-3300S	Nil	-5500S	Nil
-300S	Nil	-3400S	Nil	-5600S	Nil
-400S	Nil	-3600S	Nil	-5700S	Nil
-500S	Nil	-3700S	Nil	-5800S	Nil
-600S	Nil	-3800S 1	Nil	-5900S	Nil
-700S	Nil	-3800S 2	Nil	-6000S	Nil
-800S	Nil	-3900S	Nil	-6100S	Nil
-1100S	Nil	-4000S	Nil	-6200S	Nil
-1200S	Nil	-4100S	Nil	-6240S	Nil
-2000S	Nil	-4200S	Nil	L-2-100W	Nil
-2100S	Nil	-4300S	Nil	-200W	Nil
-2200S	Nil	-4400S	Nil	-300W	Nil
-2300S	Nil	-4500S	Nil	-400W	Nil
-2400S	Nil	-4600S	Nil	-500W	Nil
-2500S	Nil	-4700S	Nil	-600W	Nil
-2600S	Nil	-4800S	Nil		
-2800S	Nil	-4900S	Nil		
		-5000S	Nil		

Per G. Lebel  
G. Lebel -- Manager

ESTABLISHED 1928



# SWASTIKA LABORATORIES LIMITED

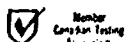
P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0  
TELEPHONE: (705) 642-3244  
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

## Certificate of Analysis

Certificate No. 60404 Date: July 15 1985  
Received June 24 1985 60 Samples of soil  
Submitted by Mr. R. MacGregor, Sault Ste. Marie, Ontario

SAMPLE NO.	SILVER PPM	SAMPLE NO.	SILVER PPM	SAMPLE NO.	SILVER PPM
L-2-700W	Nil	L-2-3300W	Nil	L-2-1600S	Nil
-800W	Nil	-3400W	Nil	-1700S	Nil
-900W	Nil	-3500W	Nil	-1800S	Nil
-1000W	Nil	-3600W	Nil	-1900S	Nil
-1100W	Nil	-3680W	Nil	-2000S	Nil
-1200W	Nil	L-2-100S	Nil	-2100S	Nil
-1700W	Nil	-200S	Nil	-2200S	Nil
-1800W	Nil	-300S	Nil	-2300S	Nil
-1900W	Nil	-400S	Nil	-2400S	Nil
-2100W	Nil	-500S	Nil	-2500S	Nil
-2300W	Nil	-600S	Nil	-2600S	Nil
-2400W	Nil	-700S	Nil	-2700S	Nil
-2500W	Nil	-800S	Nil	-2800S	Nil
-2600W	Nil	-900S	Nil	-2900S	Nil
-2700W	Nil	-1000S	Nil	-3000S	Nil
-2800W	Nil	-1100S	Nil	-3100S	Nil
-2900W	Nil	-1200S	Nil	-3200S	Nil
-3000W	Nil	-1300S	Nil	-3300S	Nil
-3100W	Nil	-1400S	Nil	-3400S	Nil
-3200W	Nil	-1500S	Nil	-3500S	Nil

Per G. Lebel  
G. Lebel -- Manager





# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0  
TELEPHONE: (705) 642-3244  
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

## Certificate of Analysis

Certificate No. 60408

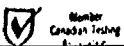
Date: July 15 1985

Received June 24 1985 60 Samples of soil

Submitted by Mr. R. MacGregor, Sault Ste. Marie, Ontario

SAMPLE NO.	SILVER PPM	SAMPLE NO.	SILVER PPM	SAMPLE NO.	SILVER PPM
L-2-3600S	Nil	L-3-700W	Nil	L-3-2800W	Nil
-3700S	Nil	-900W	Nil	-2900W	Nil
-3800S	Nil	-1000W	Nil	-3000W	Nil
-4000S	Nil	-1100W	Nil	-3100W	Nil
-4100S	Nil	-1200W	Nil	-3200W	Nil
-4200S	Nil	-1400W	Nil	-3300W	Nil
-4300S	Nil	-1500W	Nil	-3400W	Nil
-4400S	Nil	-1600W	Nil	-3500W	Nil
-4500S	Nil	-1700W	Nil	-3600W	Nil
-4600S	Nil	-1800W	Nil	-3700W	Nil
-4700S	Nil	-1900W	Nil	-3800W	Nil
-4800S	Nil	-2000W	Nil	-3900W	Nil
-4900S	Nil	-2100W	Nil	L-3-100S	Nil
-5000S	Nil	-2200W	Nil	-200S	Nil
-5200S	Nil	-2300W	Nil	-300S	Nil
-5300S	Nil	-2400W	Nil	-400S	Nil
L-3-100W	Nil	-2500W	Nil	-500S	0.1
-200W	Nil	-2600W	Nil	-600S	0.1
-300W	Nil	-2700W	Nil	-700S	0.1
-400W	Nil				
-500W	0.1				
-600W	Nil				

Per G. Lebel  
G. Lebel -- Manager





# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0  
TELEPHONE: (705) 642-3244  
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

## Certificate of Analysis

Certificate No. 60442 Date: July 16 1985  
Received June 24/85 60 Samples of soil  
Submitted by Mr. R. MacGregor, Sault Ste. Marie, Ontario

SAMPLE NO.	SILVER PPM	SAMPLE NO.	SILVER PPM	SAMPLE NO.	SILVER PPM
L3-800S 1	Nil	L3-2600S	Nil	L4-1800W	Nil
-800S 2	Nil	-2688S	Nil	-1900W	Nil
-900S	Nil	L4-0W	Nil	-2000W	Nil
-1000S	Nil	-100W	Nil	-2100W	Nil
-1100S	Nil	-200W	Nil	-2200W	Nil
-1200S	0.1	-300W	Nil	-2300W	Nil
-1300S 1	Nil	-400W	Nil	-2400W	Nil
-1300S 2	Nil	-500W	Nil	-2500W	Nil
-1400S	Nil	-600W	Nil	-2600W	Nil
-1500S	Nil	-700W	Nil	-2700W	Nil
-1600S	Nil	-800W	Nil	-2800W	Nil
-1700S	Nil	-900W	Nil	-2900W	Nil
-1800S	Nil	-1000W	Nil	-3000W	Nil
-1900S	Nil	-1100W	Nil	L5-0W	Nil
-2000S	Nil	-1200W	Nil	-100W	0.1
-2100S	Nil	-1300W	Nil	-200W	Nil
-2200S	Nil	-1400W	Nil	-300W	Nil
-2300S	Nil	-1500W	Nil	-400W	Nil
-2400S	Nil	-1600W	Nil	-500W	Nil
-2500S	Nil	-1700W	Nil	-600W	Nil

Per   
G. Lebel -- Manager



# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0  
TELEPHONE: (705) 642-3244  
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

## Certificate of Analysis

Certificate No. 60445

Date: July 16 1985

Received June 24/85 41 Samples of soil

Submitted by Mr. R. MacGregor, Sault Ste. Marie, Ontario

SAMPLE NO.	SILVER PPM	SAMPLE NO.	SILVER PPM
L5-700W	Nil	L6-1600W	Nil
-800W	Nil	-1700W	0.1
-900W	Nil	-1800W	Nil
-1000W	Nil	-1900W	Nil
-1100W	Nil	-2000W	Nil
-1200W	Nil	-2100W	Nil
-1300W	Nil	-2200W	Nil
-1400W	Nil	-2300W	Nil
-1500W	Nil	-2400W	Nil
L6-100W	Nil	-2500W	Nil
-200W	Nil	-2600W	Nil
-300W	Nil	-2700W	Nil
-400W	Nil	-2800W	Nil
-500W	Nil	> -3000W	Nil
-600W	Nil	-3100W	Nil
-700W	Nil	-3200S	Nil
-800W	Nil	> L-1100S	0.1
-900W	Nil		
-1000W	Nil		
-1100W	Nil		
-1200W	Nil		
-1300W	Nil		
-1400W	Nil		
-1500W	Nil		

Per G. Lebel  
G. Lebel -- Manager

July 24, 1985

File: 2.8272

R.A. MacGregor  
134 Palace Drive  
Sault Ste. Marie, Ontario  
P6B 5H5

Dear Sir:

RE: Geophysical (Magnetometer) and Geochemical  
Surveys submitted on Mining Claims L 565101,  
et al, in Gauthier Township

---

This will acknowledge receipt of the above-described  
report on July 11, 1985.

Please provide the plans (in duplicate) to this office  
quoting file 2.8272.

For further information, please contact Dennis Kinvig  
at (416)965-4888.

Yours sincerely,

S.E. Yundt  
Director  
Land Management Branch

Whitney Block, Room 6643  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: (416)965-4888

D. Kinvig:mc

cc: Mining Recorder  
Kirkland Lake, Ontario  
File:#184

REGISTERED

June 27, 1985

Report of Work #184

R.A. MacGregor  
134 Palace Drive  
Sault Ste. Marie, Ontario  
P6B 5H5

Dear Sir:

RE: Geophysical (Magnetometer) and Geochemical  
Survey on Mining Claims L 544734, et al,  
in Gauthier Township

---

I have not received the reports and maps (in duplicate)  
for the Geophysical (Magnetometer) and Geochemical Survey  
on the above-mentioned claims.

As the assessment "Report of Work" was recorded by the  
Mining Recorder on May 8, 1985 the 60 day period  
allowed by Section 77 of the Mining Act for the submission  
of the technical reports and maps to this office will  
expire on July 8, 1985.

If the material is not submitted to this office by July 8,  
1985, I will have no alternative but to instruct the Mining  
Recorder to delete the work credits from the claim record  
sheets.

For further information, please contact Mr. Arthur Barr  
at (416)965-4888.

Yours sincerely,

S.E. Yundt  
Director  
Land Management Branch

Whitney Block, Room 6643  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: (416)965-4888

A. Barr:mc

cc: Mining Recorder  
Kirkland Lake, Ontario





GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL  
TECHNICAL DATA STATEMENT

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) Soil Sampling, Magnetometer

Township or Area Gauthier

Claim Holder(s) R.A. MacGregor

Survey Company Colex Explorations Inc.

Author of Report R.A. MacGregor

Address of Author 134 Palace Dr. S.S. Marie, Ont.

Covering Dates of Survey April-July 1985  
(linecutting to office)

Total Miles of Line Cut 7.5

MINING CLAIMS TRAVERSED  
List numerically

- L (prefix) 544734 (number) ✓
- L 544735 ✓
- L 544736 ✓
- L 544737 ✓
- L 544738 ✓
- L 565101 ✓
- L 565102 ✓
- L 565103 ✓
- L 565104 ✓
- L 565105 ✓
- L 565106 ✓

If space insufficient, attach list

SPECIAL PROVISIONS  
CREDITS REQUESTED

DAYS  
per claim

ENTER 40 days (includes  
line cutting) for first  
survey.

ENTER 20 days for each  
additional survey using  
same grid.

- Geophysical
  - Electromagnetic \_\_\_\_\_
  - Magnetometer 20
  - Radiometric \_\_\_\_\_
  - Other \_\_\_\_\_
- Geological \_\_\_\_\_
- Geochemical 40

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

Magnetometer \_\_\_\_\_ Electromagnetic \_\_\_\_\_ Radiometric \_\_\_\_\_  
(enter days per claim)

DATE: July 6, 1985 SIGNATURE: [Signature]  
Author of Report or Agent

Res. Geol. \_\_\_\_\_ Qualifications \_\_\_\_\_

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 11

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 323 Number of Readings 323

Station interval 100 feet Line spacing 400 feet

Profile scale \_\_\_\_\_

Contour interval 500 gammas

MAGNETIC

Instrument Barringer GM-122

Accuracy - Scale constant 1 gamma

Diurnal correction method Looping method

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

Base Station location and value Various along baseling

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 \_\_\_\_\_

**SELF POTENTIAL**

Instrument \_\_\_\_\_ Range \_\_\_\_\_

Survey Method \_\_\_\_\_

Corrections made \_\_\_\_\_

**RADIOMETRIC**

Instrument \_\_\_\_\_

Values measured \_\_\_\_\_

Energy windows (levels) \_\_\_\_\_

Height of instrument \_\_\_\_\_ Background Count \_\_\_\_\_

Size of detector \_\_\_\_\_

Overburden \_\_\_\_\_

(type, depth – include outcrop map)

**OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)**

Type of survey \_\_\_\_\_

Instrument \_\_\_\_\_

Accuracy \_\_\_\_\_

Parameters measured \_\_\_\_\_

Additional information (for understanding results) \_\_\_\_\_

**AIRBORNE SURVEYS**

Type of survey(s) \_\_\_\_\_

Instrument(s) \_\_\_\_\_

(specify for each type of survey)

Accuracy \_\_\_\_\_

(specify for each type of survey)

Aircraft used \_\_\_\_\_

Sensor altitude \_\_\_\_\_

Navigation and flight path recovery method \_\_\_\_\_

Aircraft altitude \_\_\_\_\_ Line Spacing \_\_\_\_\_

Miles flown over total area \_\_\_\_\_ Over claims only \_\_\_\_\_

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken 11

Total Number of Samples 8011

Type of Sample Soil  
(Nature of Material)

Average Sample Weight 41b

Method of Collection shovel

Soil Horizon Sampled 'A'

Horizon Development Fair to Poor

Sample Depth 2"

Terrain Swampy to sand plain

Drainage Development Good to poor

Estimated Range of Overburden Thickness 0 to 100+ feet

SAMPLE PREPARATION  
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis -80

General \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ANALYTICAL METHODS

Values expressed in: per cent   
p. p. m.   
p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, -(circle)

Others \_\_\_\_\_

Field Analysis (\_\_\_\_\_ tests)

Extraction Method \_\_\_\_\_

Analytical Method \_\_\_\_\_

Reagents Used \_\_\_\_\_

Field Laboratory Analysis

No. (\_\_\_\_\_ tests)

Extraction Method \_\_\_\_\_

Analytical Method \_\_\_\_\_

Reagents Used \_\_\_\_\_

Commercial Laboratory (\_\_\_\_\_ tests)

Name of Laboratory Swastika Assay Lab

Extraction Method hot aqua regia

Analytical Method Atomic Absorption

Reagents Used \_\_\_\_\_

General \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2.8272

D

	Mag	Gaschem		Mag	Gaschem					
L-565101	✓	✓		544734	✓	✓				
02	✓	✓		35	✓	✓				
03	✓	✓		36	✓	✓				
04	✓	✓		37	✓	✓				
05	✓	✓		544738	✓	✓				
565106	✓	✓								

D.R.

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

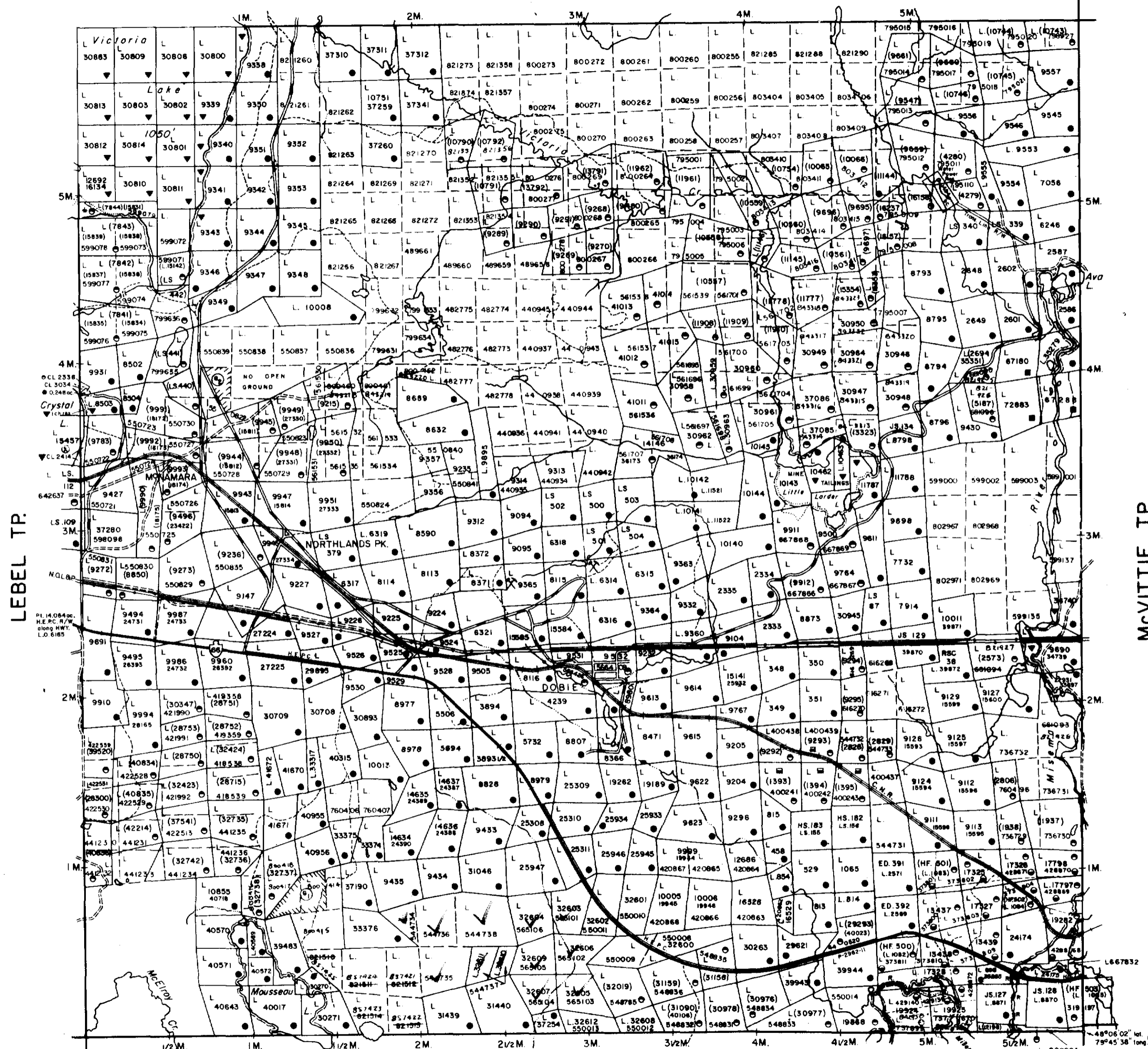
- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description Order No. Date Disposition File

- ① M.T.C. PIT No 1666 FILE 101421
- ② M.T.C. PIT 3F-27

SAND and GRAVEL

ARNOLD TP.



LEGEND

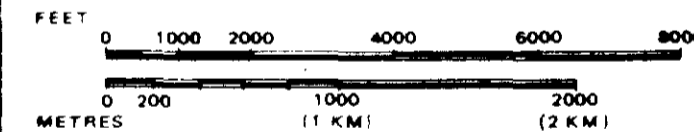
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING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

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	▽
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊖
SAND & GRAVEL	⊙

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 360, SEC. 63, SUBSEC. 1

SCALE: 1 INCH = 40 CHAINS



August 15/85

TOWNSHIP  
**GAUTHIER**  
 M.N.R. ADMINISTRATIVE DISTRICT  
**KIRKLAND LAKE**  
 MINING DIVISION  
**LARDER LAKE**  
 LAND TITLES / REGISTRY DIVISION  
**TIMISKAMING**

Ministry of Land  
 Natural Resources Management  
 Ontario Resources Branch

Date JANUARY, 1985

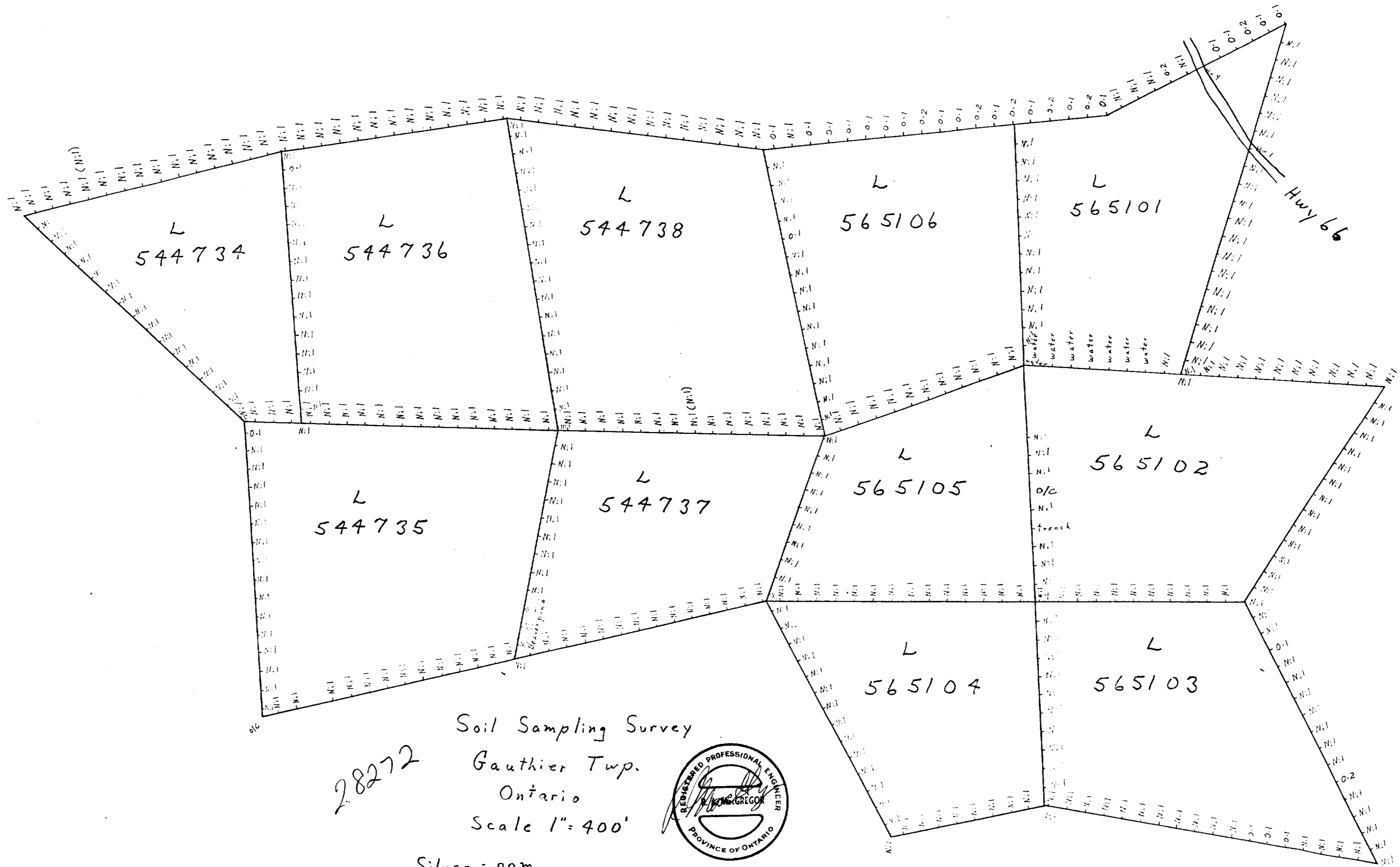
Number

**G-3211**



320450037 2.8272 GAUTHIER

McELROY TP.

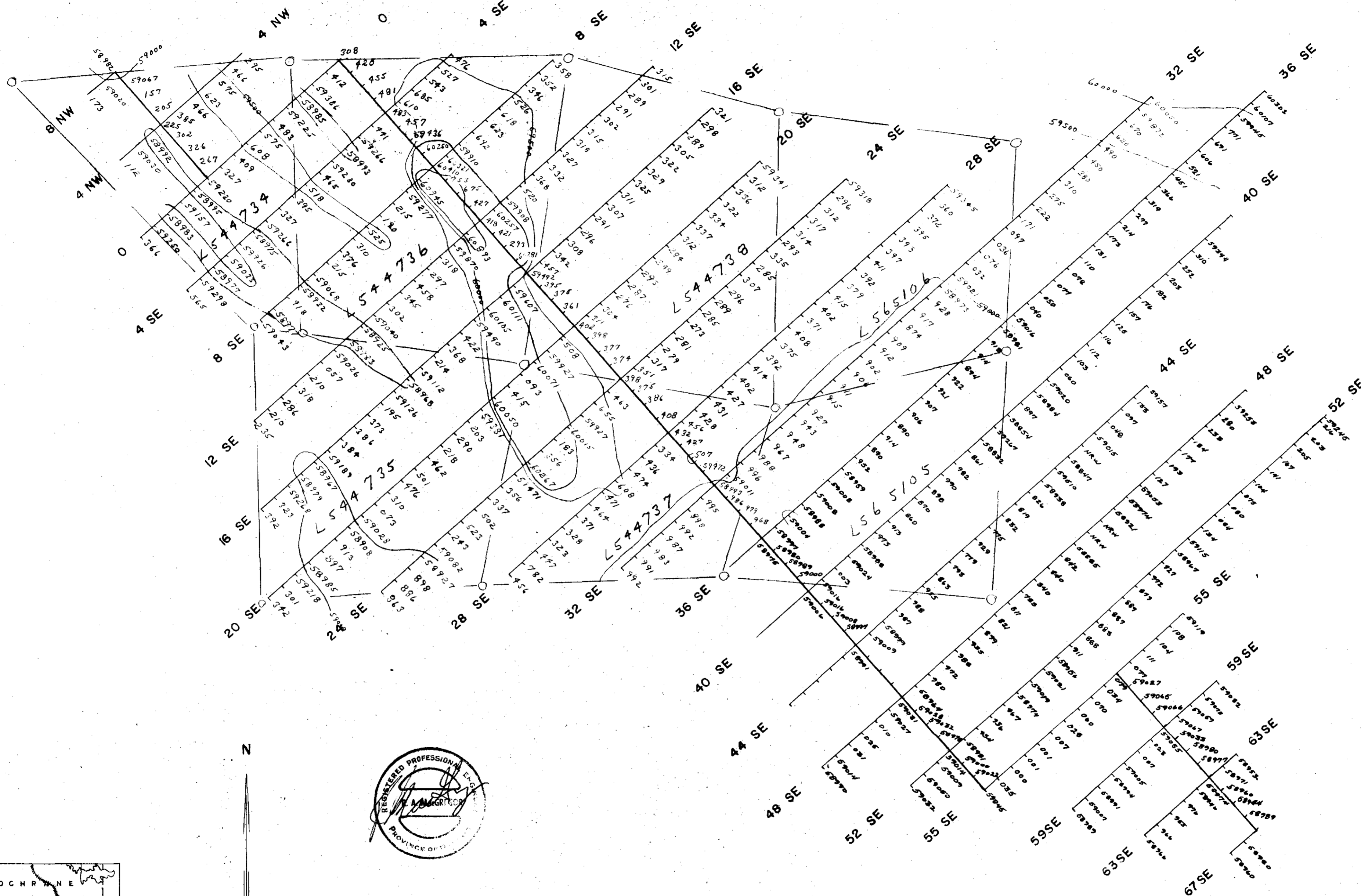


28272  
 Soil Sampling Survey  
 Gauthier Twp.  
 Ontario  
 Scale 1" = 400'



Silver - ppm  
 'A' Horizon





MAGNETOMETER SURVEY  
 GAUTHIER SOUTH GRID  
 GAUTHIER TOWNSHIP  
 SCALE 1" = 400'

28272

Instrument: Scintrex MP-2  
 Contour Interval: 500 gammas

