

2.4096



52N07SE0041

010

**RECEIVED**

AUG 26 1981

MINING LANDS SECTION

SHERRITT GORDON MINES LIMITED

SWAIN LAKE PROPERTY

PROJECT CODE #1243 M-2665

N.T.S. 52-N-7-SE

# *Sherritt Gordon Mines Ltd.*

P.O. BOX 723, CLAYBANKS ROAD · DRYDEN, ONTARIO P8N 2Z4 · (807) 223-5880

REPORT ON GEOPHYSICAL SURVEYS  
HONEYWELL TOWNSHIP - DISTRICT OF RED LAKE  
N.T.S. 52-N-7-SE M-2665  
PROJECT CODE # 1243

MINING CLAIMS: 509420 - 509431 inclusive  
509691 - 509693 inclusive  
509746 - 509750 inclusive  
533135 - 533139 inclusive

## INTRODUCTION:

The property consist of 25 mining claims located in Honeywell Township, 55 miles northeast of Red Lake, Ontario. During the period of September 1980, the property was gridded and in April 1981 a vertical magnetometer survey was completed on the grid.

## LOCATION AND ACCESS

Swain Lake is located in Honeywell Township in the Red Lake Mining District approximately 55 miles northeast of Red Lake. Access is solely by airplane.

## OWNERS

The property is held by Rodney Knappet, 157 Jeffcoat Drive, Rexdale, Ontario.

## GENERAL GEOLOGY

The general geology as indicated by previous maps, drill logs and reports (re: M-2171, N.T.S. 52-N-7-SE O.G.S.), (Peter Hannigan 1979, Sherritt Gordon Mines Limited), (Vanco Exploration Ltd. 1969), and (St. Joseph Explorations Ltd.), is predominantly felsic meta-volcanics with altered intermediate flows and tuffs. The alterations are principally chloritic and epidotic. The minor mafic materials in the drill logs are possible diabase dikes with minor felsic to

mafic intrusives in the area. Shearing seems to occur in a 270°-320° direction in the immediate area of the trenches.

#### PRESENT WORK

- A) Linecutting: the linecutting and chaining was completed by Alex Kozy, Box 1260, Ignace, Ontario. The grid consists of 2 East - West baselines bearing 50° magnetic North. Approximately 133,500 feet of picketline and 30,000 ft. of baseline and tie line were cut and chained in September of 1980. The grid was cut @ 200' intervals for picketlines and @ 800' interval for the baseline.

Total base and tie line cut = 30,000

Total picketline cut = 133,500  
163,500

Total = 31 miles.

- B) Geophysical Surveys:

Magnetic: The magnetic survey was completed with a Scintrex fluxgate magnetometer model MF-2. Readings were taken @ 50 ft. intervals. Base stations were located on the base line and looped into the cross-section lines. Maps are plotted @ Horizontal scale: 1" : 200 feet.

- C) Personnel: Magnetometer Survey

| Name             | Date       | Address                  |
|------------------|------------|--------------------------|
| Terry Trist      | March 1981 | All personnel can be     |
| Dennis Carpenter | "          | contacted thru: Sherritt |
| Dave Breeze      | March 1981 | Gordon Mines Limited;    |
|                  |            | Box 723, Dryden, Ontario |

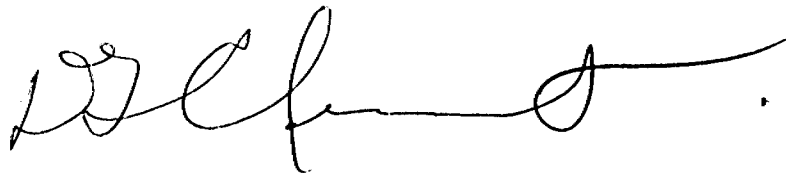
DRAUGHTING

| Name        | Date        | Address   |
|-------------|-------------|---|
| Paul Pawliw | April, 1981 | Sherritt Gordon Mines Limited<br>Lynn Lake, Manitoba<br>ROB OWO |

INTERPRETATION

| Name        | Date        | Address       |
|-------------|-------------|---------------|
| Paul Pawliw | April, 1981 | same as above |

Submitted August 10, 1981



Donald G. Clement  
SHERRITT GORDON MINES LIMITED  
Dryden Operation

**SHERRITT GORDON MINES LIMITED**  
Lynn Lake, Manitoba



52N076E0041

020

SWAIN LAKE PROPERTY - PROJECT 1243  
SHABUMENI LAKE AREA, ONTARIO  
M2665, NTS 52N7

---

Claims KRL 503749  
509420-431 incl  
509691-693 incl  
509746-750 incl  
533134-138 incl

P. Pawliw  
Chief Geophysicist  
June 18, 1981

# SHERRITT GORDON MINES LIMITED

## INTERPRETATIVE NOTE - GROUND MAGNETOMETER SURVEY

### Swain Lake Property

The current project was meant to enhance assessment files information which was already available for the prospect. The line interval was halved and the baseline direction altered to be better oriented with the general strike of the rocks. After this new grid was in place, a vertical component magnetometer survey was conducted with the readings every 50 feet.

However, during the period when a crew was available and before expiry of the claims, there were very few periods of relatively stable magnetic field fluctuations. Hence the data was of a marginal quality. In extreme cases the noise in the readings may be as high as  $\pm 150$  gammas. However, the noise should generally be less than  $\pm 150$  gammas. Some of the fine structure in the contoured map is thus questionable, though the larger anomalies are only marginally altered.

It is recommended that the readings be retaken when further work is conducted on the property.

The most prominent feature of the contoured map is an approximately 1500 foot wide belt of high magnetic relief. It probably consists of tuffs or volcanoclastics. The local extreme readings probably represent thin bands of iron formation in the section. A number of self potential anomalies (old assessment files) occur near the north contact. It is also felt that this north contact is in the direction of top of section. This band is broadly arcuate, opening to the south. Towards the west the units appear to interfinger with what are probable volcanic flows and swing

abruptly in a fold.

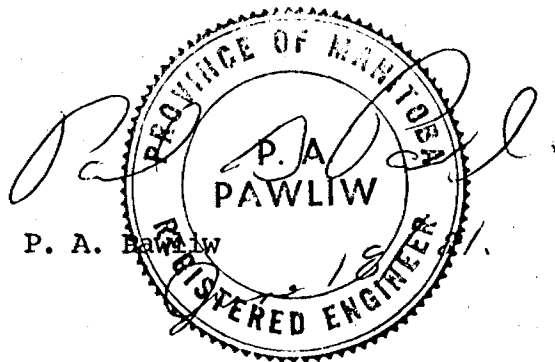
The cobalt showing itself has local magnetic anomalies and according to the interpretation would be near the lowest part of the exposed section (felsic to intermediate volcanic?). Both em and I.P. work is suggested for this horizon.

- (A) em - max-min survey - horizontal loop configuration with 200 foot separation and at least 888 Hz and 3555 Hz.
- (B) I.P. survey - dipole-dipole array  $Q = 100$  feet,  $n = 1-4$  incl.

Furthermore, in the area between 7S and 14S and 2E to 6W, there is a possibility of a fold closure. As gold has been reported near the south end of this little lake, the area should be intensely prospected and pitted if possible or drilled.

This prospect in particular and the area in general are still considered as having considerable merit and continued interest is recommended.

It should also be noted that much of the previous drilling must have been at a very bad angle to the foliation.



/jl

ENCLOSURE

Ground Magnetometer Survey, Swain Lake - scale 1 in. = 200 ft.

To be attached to Magnetometer Survey for the Honeywell  
Township M-2665.

Claim Holder Rodney Knappett A-35220

APPENDIX I

|     |        |
|-----|--------|
| KRL | 533134 |
| KRL | 533135 |
| KRL | 533136 |
| KRL | 533137 |
| KRL | 533138 |

533139



APPENDIX II

Technical Data Statement.

Attached to report of work filed by Rodney Knappett A-35220  
on June 25, 1981 and August 12, 1981

concerning mining claims: KRL 509420 - 509431 inclusive  
KRL 509746 - 509750 inclusive  
KRL 533135 - 533138 inclusive



GEO



52N07SE0041

900

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.

RECEIVED

AUG 26 1981

MINING LANDS SECTION

Type of Survey(s) MAGNETOMETER
Township or Area HONEYWELL TOWNSHIP M-2665
Claim Holder(s) RODNEY KNAPPETT A-35220
157 Jeffcoat Drive; Rexdale, Ontario
Survey Company SHERRITT GORDON MINES LIMITED
Author of Report P. A. PAWLIV; D. CLEMENT
Address of Author Sherritt Gordon Mines Limited
Lynn Lake, Man. Dryden, Ontario
Covering Dates of Survey Sept. 1980 - March, 1981
(linecutting to office)
Total Miles of Line Cut 31

MINING CLAIMS TRAVERSED
List numerically

Table with columns for prefix (KRL) and number (509420-509750). Total claims listed as 25.

If space insufficient, attach list

SPECIAL PROVISIONS CREDITS REQUESTED table with columns for Geophysical and Geological methods and DAYS per claim.

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

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

DATE: Aug 19/81 SIGNATURE: [Signature]
Author of Report or Agent
63 2677

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

Table with columns: File No., Type, Date, Claim Holder. Includes handwritten 'L.D.' in the Claim Holder column.

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations MAG - 3953 Number of Readings

Station interval MAG - 50' Line spacing 200'

Profile scale

Contour interval

MAGNETIC

Instrument SCINTREX-MF-2 Vertical Component Fluxgate

Accuracy - Scale constant 10 gammas in 1000 scale

Diurnal correction method Scintrex MB/2 Base Station plus looping between base lines.

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

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

GRAVITY

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

INDUCED POLARIZATION RESISTIVITY

2.4096

1982 11 15

2.4096

Mining Recorder  
Ministry of Natural Resources  
Ontario Government Building  
Box 324  
Red Lake Ontario  
POV 2M0

Dear Sir:

RE: Magnatometer Survey on Mining Claims KRL 509420 et  
al in the Township of Honeywell.

---

The Magnatometer Survey assessment work credits as listed  
with my Notice of Intent dated September 13, 1982 have been  
approved as of the above date.

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

Yours very truly,

E.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/965-1380

A. Barrisc

cc: Sherritt Gordon Mines Limited  
Toronto, Ontario

cc: Resident Geologist  
Red Lake Ontario



Ministry of  
Natural  
Resources

Ontario

Oct. 4, 1982

Your file:

Our file: 2.4096

September 13, 1982

Mr. Albert Scott Rivett  
Mining Recorder  
Ministry of Natural Resources  
Ontario Government Building  
Box 324  
Red Lake, Ontario  
POV 2M0

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.

Yours very truly,

E.F. Anderson  
Director  
Lands Administration Branch  
Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/965-1316

/em

Encl.

cc: Sherritt Gordon Mines Limited  
Toronto, Ontario

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



Ministry of  
Natural  
Resources

Ontario

Notice of Intent  
for Technical Reports

2.4096

**September 13, 1982**

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 Lands Administration Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

|  |
|--|
| Recorded Holder<br><p style="text-align: center;"><b>SHERRITT GORDON MINES LIMITED</b></p> |
| Township or Area<br><p style="text-align: center;"><b>HONEYWELL</b></p>                    |

| Type of survey and number of Assessment days credit per claim  | Mining Claims Assessed  |
|--|---|
| <b>Geophysical</b><br>Electromagnetic _____ days<br>Magnetometer <u>40</u> days<br>Radiometric _____ days<br>Induced polarization _____ days<br>Section 86 (18) _____ days<br><b>Geological</b> _____ days<br><b>Geochemical</b> _____ days<br><br>Man days <input type="checkbox"/> Airborne <input type="checkbox"/><br>Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> | <p style="text-align: center;"> <b>KRL 509692-93</b><br/> <b>KRL 509746 to 50 inclusive</b><br/> <b>KRL 533135 to 39 inclusive</b> </p> |
| <input type="checkbox"/> Credits have been reduced because of partial coverage of claims.<br><br><input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.   |   |

**Special credits under section 86 (15a) for the following mining claims**

**10 days**  
**KRL 509691**

**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 86(18)-60:



Ministry of  
Natural  
Resources

Notification of recording  
of assessment work credits

**RECEIVED**

SEP 25 1981

**MINING LANDS SECTION**

Lands Administration Branch  
Mining Lands Section  
Ministry of Natural Resources  
Room 1617, Whitney Block  
Queen's Park, Toronto  
M7A 1W3

Date of recording of work: September 14, 1981

Recorded holder: Sherritt Gordon Mines Limited

Address: Box 28, Commerce Court West, Toronto, Ontario M5L 1B1

Township or Area: M.2665 Shabumeni Lake

| Type of survey and number of Assessment days credit per claim | Mining claims                              |
|---|--|
| Geophysical   | KRL.509691-509693 incl. ✓                  |
| Electromagnetic _____ days                                    | KRL.533135-533139 incl. ✓                  |
| Magnetometer <u>40</u> days                                   | KRL.509746-509750 incl. ✓                  |
| Radiometric _____ days  |  |
| Induced polarization _____ days                               |  |
| Section 86 (18) _____ days                                    |  |
| Geological _____ days   |  |
| Geochemical _____ days  |  |
| Man days <input type="checkbox"/>                             | Airborne <input type="checkbox"/>          |
| Special provision <input checked="" type="checkbox"/>         | Ground <input checked="" type="checkbox"/> |

Notice to recorded holder:

- Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.
- Reports and maps are being forwarded to the Lands Administration Branch with this letter.

*Ronna F. Pento*  
Acting Mining recorder Ronna F. Pento  
c.c.

Donald Clement  
P.O. Box 723  
DRYDEN, Ontario





Ministry of  
Natural  
Resources

Ontario

Your file:

Our file: 2.4096

September 3, 1982

Mr. Albert Scott Rivett  
Mining Recorder  
Ministry of Natural Resources  
Ontario Government Building  
Box 324  
Red Lake, Ontario  
POV 2M0

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.

Yours very truly,

E.F. Anderson  
Director  
Lands Administration Branch  
Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/965-1316

/em

Encl.

cc: Mr. Rodney Knappett  
Rexdale, Ontario

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



Ministry of  
Natural  
Resources

Ontario

Notice of Intent  
for Technical Reports

2.4096

September 3, 1982

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 Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.



Ministry of  
Natural  
Resources

Notification of recording  
of assessment work credits

Lands Administration Branch  
Mining Lands Section  
Ministry of Natural Resources  
Room 1617, Whitney Block  
Queen's Park, Toronto  
M7A 1W3

**RECEIVED**

**AUG 20 1981**

**MINING LANDS SECTION**

Date of recording of work: June 30, 1981

Recorded holder: Rodney Knappett

Address: 157 Jeffcoat Drive, Rexdale, Ontario

Township or Area: M.2665 Shabumeni Lake

| Type of survey and number of Assessment days credit per claim | Mining claims                              |
|---|--|
| Geophysical   | KRL.509420-509431 inclusive.               |
| Electromagnetic _____ days                                    |  |
| Magnetometer <u>40</u> _____ days                             |  |
| Radiometric _____ days  |  |
| Induced polarization _____ days                               |  |
| Section 86 (18) _____ days                                    |  |
| Geological _____ days   |  |
| Geochemical _____ days  |  |
| Man days <input type="checkbox"/>                             | Airborne <input type="checkbox"/>          |
| Special provision <input checked="" type="checkbox"/>         | Ground <input checked="" type="checkbox"/> |

Notice to recorded holder:

- Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.
- Reports and maps are being forwarded to the Lands Administration Branch with this letter.

*Ronna F. Pento*  
Acting Mining recorder Ronna F. Pento  
c.c.  
Donald Clement  
P.O. Box 723  
DRYDEN, Ontario

*Aug 25/81*

|   |
|---|
| Recorded Holder<br><b>RODNEY KNAPPETT</b> |
| Township or Area<br><b>Shabumeni Lake</b> |

| Type of survey and number of Assessment days credit per claim  | Mining Claims Assessed            |
|--|-----------------------------------|
| <p><b>Geophysical</b></p> <p>Electromagnetic _____ days</p> <p>Magnetometer <u>34</u> days</p> <p>Radiometric _____ days</p> <p>Induced polarization _____ days</p> <p>Section 86 (18) _____ days</p> <p><b>Geological</b> _____ days</p> <p><b>Geochemical</b> _____ days</p> <p>Man days <input type="checkbox"/>                      Airborne <input type="checkbox"/></p> <p>Special provision <input checked="" type="checkbox"/>                      Ground <input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims.</p> <p><input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.</p> | <p>KRL 509420 to 31 inclusive</p> |

**Special credits under section 86 (15a) 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 86(18)-60.



Ministry of  
Natural  
Resources

Ontario

Your file:

November 27, 1981

Our file: 2.4096

Sherritt Gordon Mines Limited  
Lynn Lake, Manitoba  
ROB OWO  
Attention: Paul Pawliw

Dear Sir:

Re: Magnetometer Survey submitted on Mining Claims  
KRL.509420 et al, in the Township of Honeywell.

Enclosed are the maps in duplicate, for the above-mentioned Survey. In order to complete your submission, all claim lines and claim numbers must be shown.

For further information, please contact Mr. F.W. Matthews at 416/965-1380.

Yours very truly,

E.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3

A. Barr/bk

Encl.

cc: Mining Recorder  
Red Lake, Ontario

**RECEIVED**

DEC 15 1981

**MINING LANDS SECTION**

*Please find enclosed 2 new copies of previously submitted magnetometer survey (with the requested additions)*

*Paul Pawliw*  
Dec. 8/81.

November 27, 1981

2.4096

Sherritt Gordon Mines Limited  
Lynn Lake, Manitoba  
ROB OWO  
Attention: Paul Pawliw

Dear Sir:

Re: Magnetometer Survey submitted on Mining Claims  
KRL.509420 et al, in the Township of Honeywell.

---

Enclosed are the maps in duplicate, for the above-mentioned Survey. In order to complete your submission, all claim lines and claim numbers must be shown.

For further information, please contact Mr. F.W. Matthews at 416/965-1380.

Yours very truly,

E.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3

A. Barr/bk

Encl.

cc: Mining Recorder  
Red Lake, Ontario

GEOTECHNICAL REPORT APPROVAL

MINING LANDS COMMENTS:

no. 2121.

No work has been recorded on 509691 et al  
extension of time has been granted  
for this permit valid 1983.

check lines & numbers not shown



MR. R. BARLOW

DATE: Nov 1/81



APPROVED

SIGNATURE: Rgn Barlow

WISH TO SEE AGAIN WITH CORRECTIONS



MR. C. KUSTRA

DATE:

APPROVED

SIGNATURE:

WISH TO SEE AGAIN WITH CORRECTIONS



DR. I. THOMPSON

DATE:

APPROVED

SIGNATURE:

WISH TO SEE AGAIN WITH CORRECTIONS



1981 08 28

2.4096

Mining Recorder's Office  
Ministry of Natural Resources  
P.O. Box 324  
Ontario Government Bldg.  
Red Lake, Ontario  
POV 2M0

Dear Sir;

We have received reports and maps for a Geophysical (Magnetometer) survey submitted under Special Provisions (credit for Performance and Coverage) on mining claims KRL 509420 et al in the Township of Honeywell.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly

E.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone 416/965-1380

Joan Skura

cc: Sherritt Gordon Mines Limited  
Dryden, Ontario

Rodney Knappett  
Rexdale, Ontario





**SHERRITT GORDON MINES LIMITED / MINING AND MILLING DIVISION**

Lynn Lake, Manitoba, Canada, ROB OWO / Telex: 0766-220

P.O. BOX 723 DRYDEN, ONTARIO P8N 2Z4 (807)223-5365

**RECEIVED**

**AUG 26 1981**

August 19, 1981

**MINING LANDS SECTION**

E. F. Anderson  
Director  
Land Management Branch  
Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3

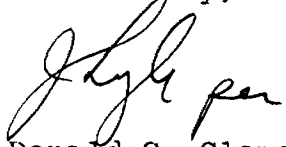
Dear Sir:

Please find enclosed duplicate maps and reports of a geophysical survey performed in the Honeywell Township M-2665 N.T.S. 52-N-7-SE.

This involves claims: 509420 - 509431 inclusive -  
509691 - 509693 inclusive  
509746 - 509750 inclusive  
533134 - 533138 inclusive

I trust the enclosed data will be in order.

Yours truly,

  
Donald G. Clement

SHERRITT GORDON MINES LIMITED  
Dryden Operation

DGC:jl

Encl

*Ext of time  
to March 31/82*

RECEIVED

JUN 26 1981



A separate form is required for each type of work to be recorded.

MINING LANDS SECTION

THE MINING ACT REPORT OF WORK

To the Recorder of RED LAKE Mining Division
I, RODNEY KNAPPETT A-35220
name of Recorded Holder Miner's Licence
157 JEFFCOAT DRIVE REXDALE, ONTARIO
Post Office Address

do hereby report the performance of 480 days of LINECUTTING & MAGNETOMETER type of work

not before reported to be applied on the following contiguous claims

Table with 6 columns: Claim No., Days, Claim No., Days, Claim No., Days. Rows include claim numbers 509420 through 509425, each with a 40-day period.

All the work was performed on Mining Claim (s) As above See Appendix II
(In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment.
For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.
For Compressed Air or Other Power Driven or Mechanical Equipment
Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.
For Geophysical, Geological, Geochemical Surveys and Expenditure Credits - the name of author of report. Covering dates of survey (linecutting & office). Type of instrument used. Total amount of expenditure. Technical reports, maps, expenditure breakdown, receipts must be filed in duplicate with the Minister within 60 days of recording.
For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

LINECUTTING & CHAINING

September 80 - Cutter: Alex Kozy Box 1260 Ignace, Ontario

MAGNETOMETER

March 1981 - Grid Works: Instrument Scintrex MF-2
Operators: D. Breeze, T. Trist, D. Carpenter
Drafting: Paul Pawliw
Report: D. Clement, Paul Pawliw.

Date June 25/81 Signature of Recorded Holder or Agent

The Mining Act Certificate Verifying Report of Work

I, DONALD R. CLEMENT
Box 723 DRYDEN ONT.
(Post Office Address)

hereby certify:

- 1. 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.
That the annexed report is true.

Dated June 25/81 19 Signature

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

RECEIVED

AUG 26 1981



MINING LANDS SECTION

THE MINING ACT REPORT OF WORK

A separate form is required for each type of work to be recorded.

To the Recorder of RED LAKE Mining Division

RODNEY KNAPPER A - 35220

name of Recorded Holder Miner's Licence

157 Jeffcoat drive Rexdale, Ontario

Post Office Address

do hereby report the performance of 520 days of Linecutting and Magnetometer

type of work

Table with 6 columns: Claim No., Days, Claim No., Days, Claim No., Days. Rows include claim numbers 509691, 509692, 509693, 533135, 533136, 533137 and 533138, 533139, 509746, 509747, 509748, 509749.

All the work was performed on Mining Claim (s) As above SEE Appendix F (In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment. For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate. For Compressed Air or Other Power Driven or Mechanical Equipment Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment. For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording. With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate. For Geophysical, Geological, Geochemical Surveys and Expenditure Credits - the name of author of report. Covering dates of survey (linecutting & office). Type of instrument used. Total amount of expenditure. Technical reports, maps, expenditure breakdown, receipts must be filed in duplicate with the Minister within 60 days of recording. For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

Linecutting & Chaining September 1980 - Cutter: Alex Kozy Box 1260 Ignace, Ontario Magnetometer - March 1981 Grid Work: Instrument - Scintrex MF-2 Operators - D. Breeze; T. Trist; D. Carpenter Drafting - Paul Pawliw Report - Paul Pawliw; D. Clement

All personnel may be reached thru: Sherritt Gordon Mines Limited Box 723, Dryden, Ontario P8N 2Z4

Date Aug. 11, 1981 Signature of Recorded Holder or Agent

The Mining Act Certificate Verifying Report of Work

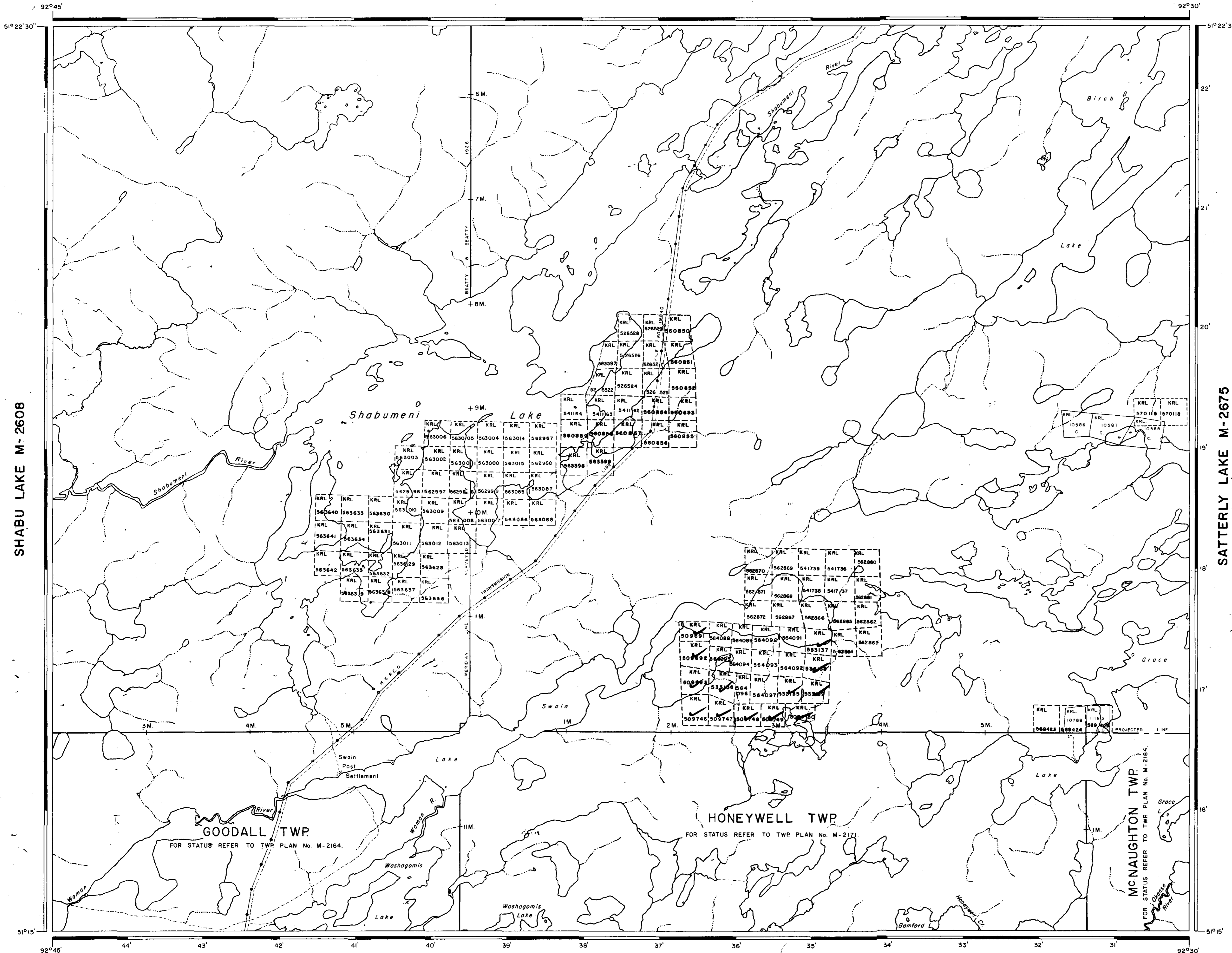
I, (Post Office Address)

- hereby certify: 1. 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. 2. That the annexed report is true.

Dated 19 Signature

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

LITTLE SHABUMENI LAKE M-2649



AREA OF

SHABUMENI LAKE

DISTRICT OF KENORA  
PATRICIA PORTION

RED LAKE  
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

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

NOTES

400' Surface Rights Reservation  
around all Lakes and Rivers.

DATE OF ISSUE  
**APR 20 1982**  
Ministry of Natural Resources  
TORONTO



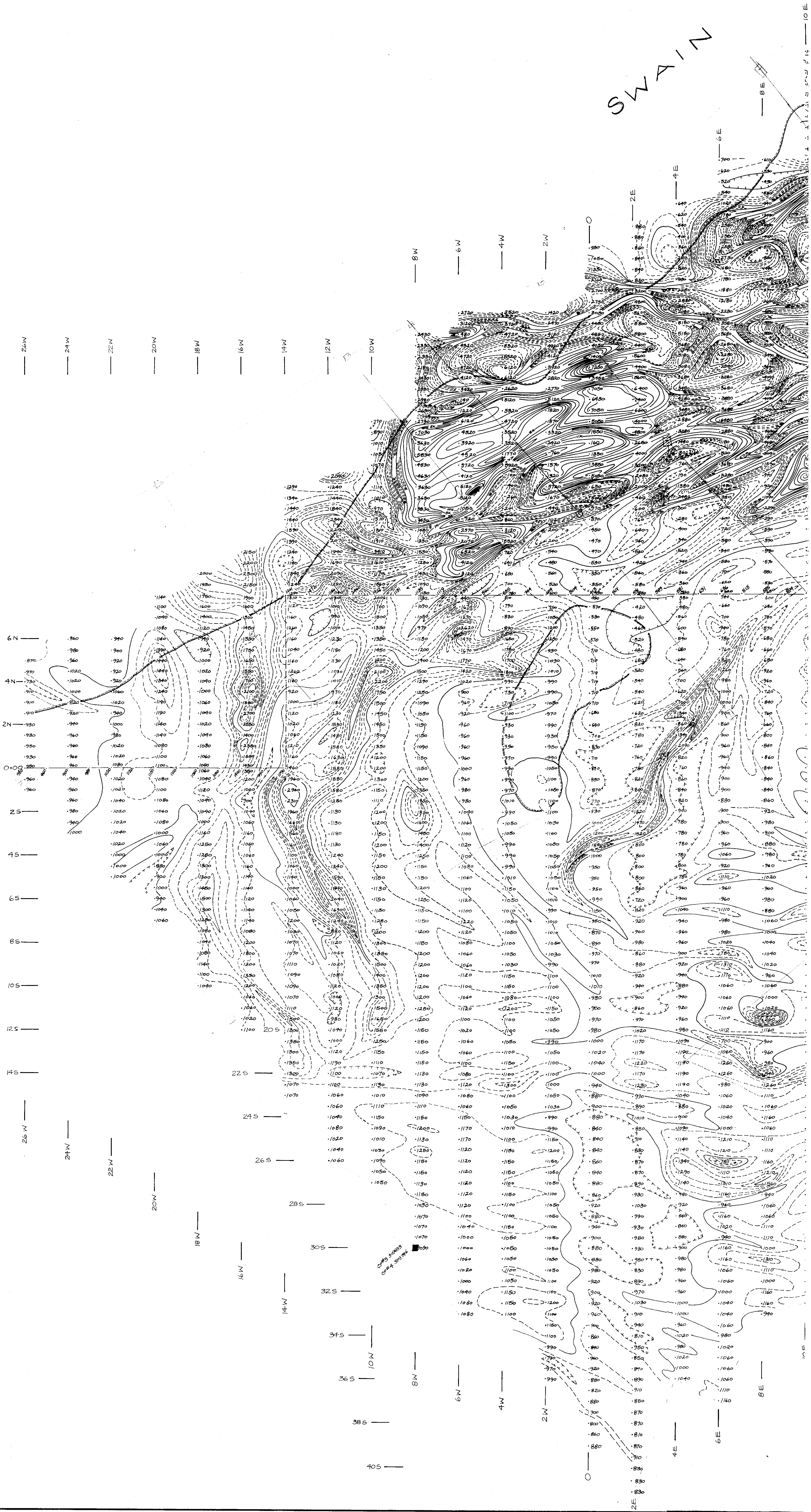
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PLAN NO. M-2665

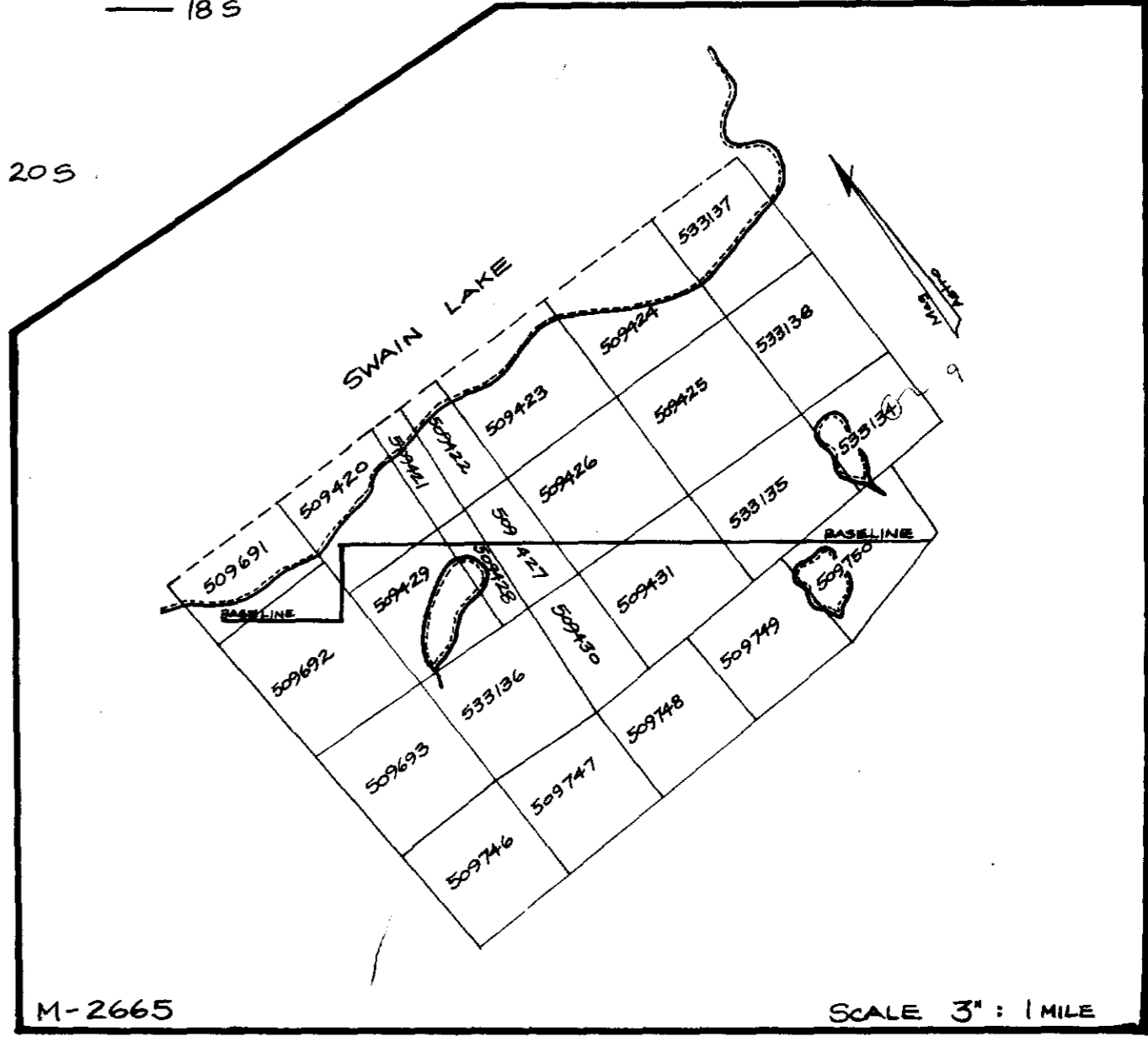
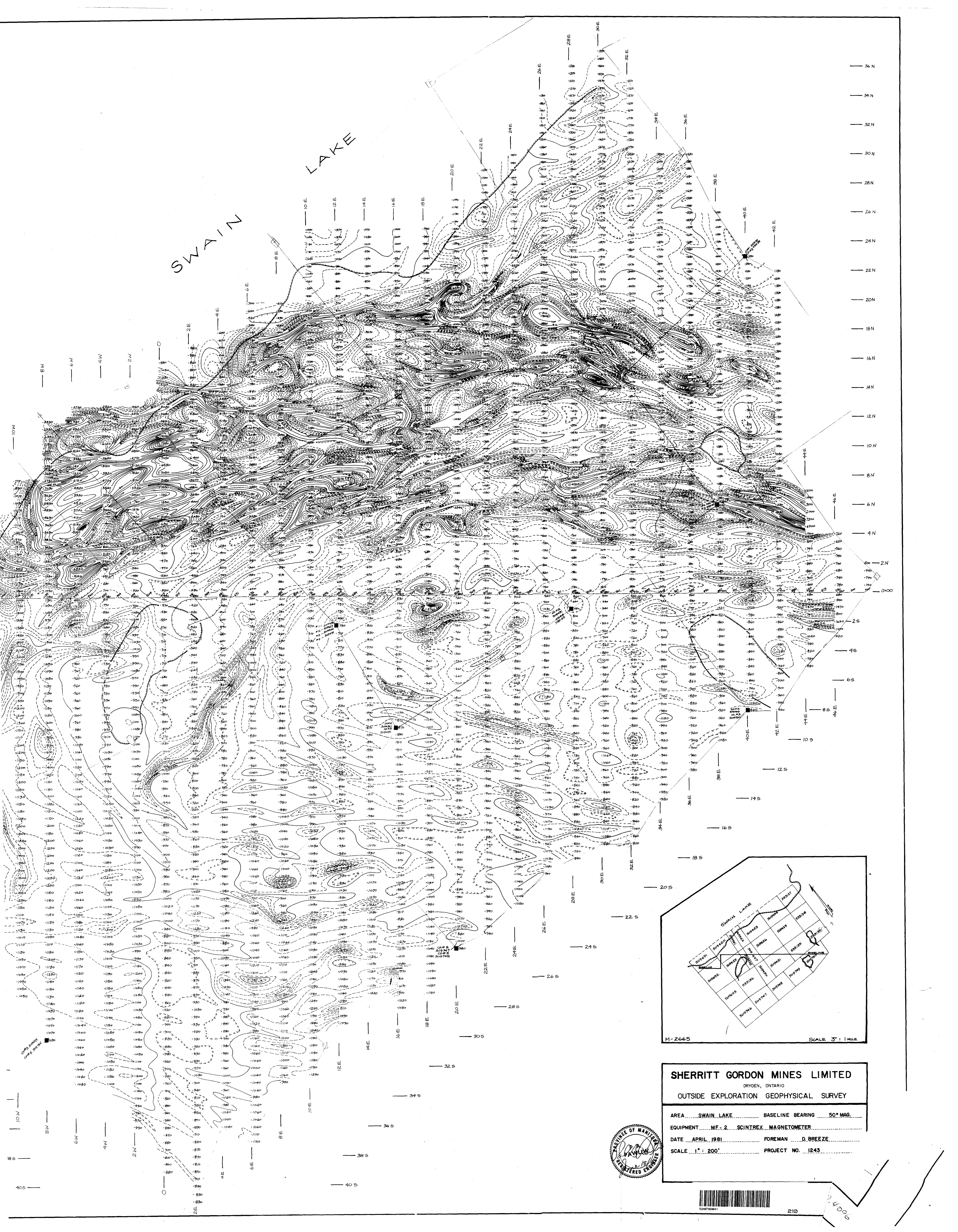
ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH



# SWAIN







**SHERRITT GORDON MINES LIMITED**  
 DRYDEN, ONTARIO  
 OUTSIDE EXPLORATION GEOPHYSICAL SURVEY

AREA SWAIN LAKE BASELINE BEARING 50° MAG.  
 EQUIPMENT M.F. 2 SCINTREX MAGNETOMETER  
 DATE APRIL 1981 FOREMAN D. BREEZE  
 SCALE 1" = 200' PROJECT NO. 1243

