



41P12NE8450 2.12712 GROVES

010

GEOPHYSICAL REPORT  
(MAGNETOMETER SURVEY)  
ON THE  
GROVES TOWNSHIP PROPERTY  
FOR  
BLUE FALCON RESOURCES  
TIMMINS NICKLE INC.

2.12712

1989

SECTION

Prepared By: *R.J. Meikle*  
R.J. Meikle  
Exsics Exploration  
August 21, 1989.



41P12NE8450 2.12712 GROVES

010C

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## INTRODUCTION

A program of linecutting and a magnetometer survey was carried out on 16 unpatented mining claims in Groves Township, Ontario, for Timmins Nickle Limited.

The purpose of the survey was to attempt to delineate the various geological units by their magnetic susceptibility with emphasis on an ultramafic intrusive in the west-central portion of the grid. It is this intrusive that has been the focus of previous work in which significant Nickle values were obtained. The current magnetometer survey is the first step in a program to re-evaluate the area for base metal potential.

## LOCATION AND ACCESS

The property is located in the east-central portion of Groves Township, Porcupine Mining Division, Ontario, approximately 8 km southeast of the village of Gogama, at latitude 47 degrees 35'N and longitude 81 degrees 37'W.

Access to the grid is via Beaver and Cessna Floatplane service from Gogama to Groves Lake.

CLAIM STATUS

The property consists of 16 unpatented mining claims in Groves Township, Porcupine Mining Division, Ontario. No claim status such as assessment work etc., was ascertained by the author. The claim numbers covered by this report are as follows:

<u>CLAIM NO.</u>	<u>TOWNSHIP</u>
P-1034334	Groves
P-1034335	"
P-1034336	"
P-1034337	"
P-1034338	"
P-1034270	"
P-1034271	"
P-1034272	"
P-1034273	"
P-1034274	"
P-1047171	"
P-1036307	"
P-1036308	"
P-1036309	"
P-1036310	"
P-1036311	"

PERSONNEL

The following personnel were directly involved with the project between July 11 - 13, 1989:

John Grant .....Timmins, Ontario  
Ed Brunet.....Timmins, Ontario  
Wayne Pearson.....Timmins, Ontario

MAGNETOMETER SURVEY

SURVEY PROCEDURE:

A total of 16.5 miles of grid line were surveyed using the Proton Precession technique. A recording base station was used to correct for diurnal fluctuations in the earth's magnetic field. Readings were taken along each survey line at 100 foot intervals with 50 feet intervals over the detailed area. The sensor was mounted on a staff and maintained at a fixed arm's length distance to minimize "local" magnetic effects. The field magnetometer was connected to the base station recorder and the data was corrected using synchronized clocks in each unit. The data was then plotted and contoured in plan form.

The survey was carried out using the following parameters:

Instrument : EDA Omni IV Proton Precession Magnetometer  
EDA Omni IV Recording Base Station

Parameters Measured: Earth's total magnetic field

Diurnals Corrected by recording base station:

Accuracy : +/- one nano-tesla

Data Presentation : Map No. 1 - 1"=200ft  
Plan Contoured Magnetometer Map

#### PROPERTY GEOLOGY

The claim group is underlain by pre-cambrian metasediments with a granitic unit in the southeast corner. A gabbroic or ultramafic intrusive cuts the sediments in the west-central portion of the property. Ontario Department of Mines Map No. 43c shows a Matachewan diabase dyke in the northwest part of the property.

The area of economic interest appears to be the mafic intrusive in the west-central portion of the grid. This unit is reported to have values of up to 5% Nickle and 2% Copper over 5 feet in mineralized shear zones.

## SURVEY RESULTS

The magnetometer survey outlined a very complex pattern of magnetic susceptibility. There are a number of isolated magnetic highs, with a concentration of highs in the detail grid area between 600N - 1000S, west of 2000 E. It is believed that the highs are coincident to the mafic intrusive and as such appear to exhibit a layering which is quite common to the "ultramafics."

There are several other magnetic highs, any of which could be mafic intrusions and or diabase dykes which do exist in the area, usually striking north-northeast.

Because of the complexity of the magnetic pattern, it is difficult to pick out the granite contact in the southeast if it does exist. One explanation for this complexity may be an undulation of the mafic intrusives giving it varying depths below the sediments and thus a varying susceptibility background.

CONCLUSIONS AND RECOMMENDATIONS

For base metal potential the mafic intrusive appears to be the best target. Therefore, the detailed grid section in the west-central part should be mapped in detail. The other magnetic highs should be explained by mapping and or trenching. Further geophysical surveys should consist of a detailed Dipole-Dipole Induced Polarization Survey. This survey would best outline any areas of mineralization which from previous work appears to be narrow and of a disseminated nature. A VLF-EM survey may be considered to delineate any shear zones which may be present.

Respectfully Submitted,



R. J. Meikle

Geophysicist



CERTIFICATION

I, Raymond Meikle of Timmins, Ontario hereby certify that:

1. I hold a three year Technologist Diploma from the Haileybury School of Mines, Haileybury, Ontario obtained in 1975.
2. I have been practising my profession since 1973 in Ontario, Quebec, NWT, Manitoba, New Brunswick, Nova Scotia for Teck Exploration Ltd., Metallgesellschaft Canada Ltd., Rayan Exploration., Sabina Industries Ltd., and most recently Exsics Exploration Ltd.
3. I have based conclusions and recommendations contained in this report on knowledge of the area, my previous experience, and on the results of the field work conducted on the property which was carried out under my overall supervision.
4. I hold no interest, directly or indirectly in this property other than professional fees, nor do I expect to receive any interest in the GROVES TOWNSHIP PROPERTY for BLUE FALCON RESOURCES, or any of it's subsidiary companies.

Dated this 21st day of August, 1989  
at Timmins, Ontario



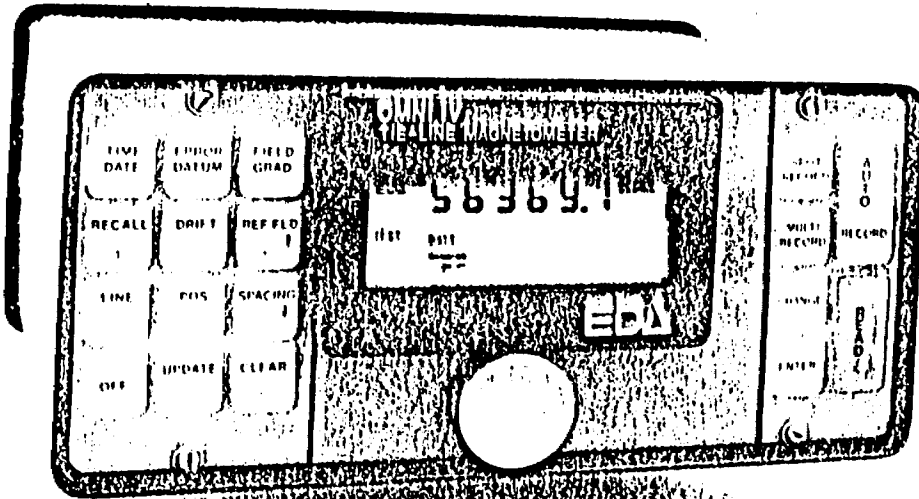
R.J. Meikle

APPENDICES

APPENDIX A

# OMNI IV "Tie-Line" Magnetometer

**EDA**



## OMNI IV's Major Benefits

- Four Magnetometers in One
- Self Correcting for Diurnal Variations
- Reduced Instrumentation Requirements
- 25% Weight Reduction
- User Friendly Keypad Operation
- Universal Computer Interface
- Comprehensive Software Packages



### Specifications

Dynamic Range .....	18,000 to 110,000 gammas. Roll-over display feature suppresses first significant digit upon exceeding 100,000 gammas.
Tuning Method .....	Tuning value is calculated accurately utilizing a specially developed tuning algorithm
Automatic Fine Tuning .....	± 15% relative to ambient field strength of last stored value
Display Resolution .....	0.1 gamma
Processing Sensitivity .....	± 0.02 gamma
Statistical Error Resolution .....	0.01 gamma
Absolute Accuracy .....	± 1 gamma at 50,000 gammas at 23°C ± 2 gamma over total temperature range
Standard Memory Capacity	
Total Field or Gradient .....	1,200 data blocks or sets of readings
Tie-Line Points .....	100 data blocks or sets of readings
Base Station .....	5,000 data blocks or sets of readings
Display .....	Custom-designed, ruggedized liquid crystal display with an operating temperature range from -40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal decay rate and signal amplitude monitor and function descriptors.
RS 232 Serial I/O Interface .....	2400 baud, 8 data bits, 2 stop bits, no parity
Gradient Tolerance .....	6,000 gammas per meter (field proven)
Test Mode .....	A. Diagnostic testing (data and programmable memory) B. Self Test (hardware)
Sensor .....	Optimized miniature design. Magnetic cleanliness is consistent with the specified absolute accuracy.
Gradient Sensors .....	0.5 meter sensor separation (standard), normalized to gammas/meter. Optional 1.0 meter sensor separation available. Horizontal sensors optional.
Sensor Cable .....	Remains flexible in temperature range specified, includes strain-relief connector
Cycling Time (Base Station Mode) .....	Programmable from 5 seconds up to 60 minutes in 1 second increments
Operating Environmental Range .....	-40°C to +55°C; 0-100% relative humidity; weatherproof
Power Supply .....	Non-magnetic rechargeable sealed lead-acid battery cartridge or belt; rechargeable NiCad or Disposable battery cartridge or belt; or 12V DC power source option for base station operation.
Battery Cartridge/Belt Life .....	2,000 to 5,000 readings, for sealed lead acid power supply, depending upon ambient temperature and rate of readings
Weights and Dimensions	
Instrument Console Only .....	2.8 kg, 238 x 150 x 250mm
NiCad or Alkaline Battery Cartridge .....	1.2 kg, 235 x 105 x 90mm
NiCad or Alkaline Battery Belt .....	1.2 kg, 540 x 100 x 40mm
Lead-Acid Battery Cartridge .....	1.8 kg, 235 x 105 x 90mm
Lead-Acid Battery Belt .....	1.8 kg, 540 x 100 x 40mm
Sensor .....	1.2 kg, 56mm diameter x 200mm
Gradient Sensor (0.5m separation-standard) .....	2.1 kg, 56mm diameter x 790mm
Gradient Sensor (1.0m separation-optional) .....	2.2 kg, 56mm diameter x 1300mm
Standard System Complement .....	Instrument console; sensor; 3-meter cable, aluminum sectional sensor staff, power supply, harness assembly, operations manual.
Base Station Option .....	Standard system plus 30 meter cable
Gradiometer Option .....	Standard system plus 0.5 meter sensor

EDA Instruments Inc.  
 4 Thorncliffe Park Drive  
 Toronto, Ontario  
 Canada M4H 1H1  
 Telex: 06 23222 EDA TOR  
 Cable: Instruments Toronto  
 (416) 425 7800

In U.S.A.  
 EDA Instruments Inc.  
 5151 Ward Road  
 Wheat Ridge, Colorado  
 U.S.A. 80035  
 (303) 422 9112

Printed in Canada

A P P E N I X   B



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) Linecutting & Magnetometer
Township or Area GROVES Twp
Claim Holder(s) Blue Falcon Resources Ltd
Survey Company EXSIS EXPLORATION LTD
Author of Report R.J. MEIKLE
Address of Author P.O. Box 1880 TITING ONT P4N 7X1
Covering Dates of Survey July 01 - July 13
Total Miles of Line Cut 16.5 miles

MINING CLAIMS TRAVERSED
List numerically

Table with columns for (prefix) and (number). Contains handwritten entries: P 1034334, 1034335, 1034336, 1034337, 1034338, 1034274, 1034273, 1034272, 1034271, 1034270, 1047171, 1036311, 1036310, 1036309, 1036308, 1036307. Total Claims 16.

If space insufficient, attach list

SPECIAL PROVISIONS CREDITS REQUESTED
Geophysical
- Electromagnetic
- Magnetometer 40
- Radiometric
- Other
Geological
Geochemical
DAYS per claim

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)
Magnetometer Electromagnetic Radiometric
(enter days per claim)

DATE: Aug 10/87 SIGNATURE: R. Meikle
Author of Report or Agent

Res. Geol. Qualifications 2.3860

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

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 871 Number of Readings 950  
Station interval 100' Line spacing 100' x 200'  
Profile scale \_\_\_\_\_  
Contour interval 100 m.u. - test

MAGNETIC

Instrument EOA OMN-IV  
Accuracy - Scale constant +/- one m.u. - test  
Diurnal correction method Base Station Recorder  
Base Station check-in interval (hours) 1 minute  
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 \_\_\_\_\_





Mining Act

Type of Survey(s) **TOTAL FIELD MAGNETIC SURVEY** Township or Area **GROVES TWP.**  
 Claim Holder(s) **BLUE FALCON RESOURCES (MINES LTD)** Prospector's Licence No. **T-1441**  
 Address **20 ADVANCE BOULEVARD, BRAMPTON, ONTARIO, L6T-4R7**  
 Survey Company **EXSICS EXPLORATION LTD.** Date of Survey (from & to) **11 7 89** Total Miles of line Cut **16.5**  
 Name and Address of Author (of Geo-Technical report) **J.C. GRANT, P.O. Box 1880, Timmins, Ont. P4N-7X1**

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	40
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
P	1034334				
	1034335				
	1034336				
	1034337				
	1034338				
	1034274				
	1034273				
	1034272				
	1034271				
	1034270				
	1047171				
	1036311				
	1036310				
	1036309				
	1036308				
	1036307				

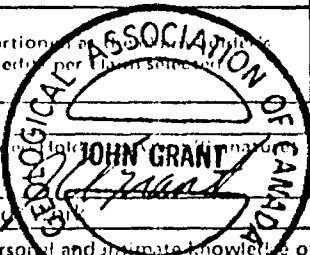
Expenditures to be entered in columns at right  
 Type of Work Performed  
 Performed on Claim(s) **JUL 18 1989**

Calculation of Expenditure Days Credits

Total Expenditures \$  ÷ 15 = Total Days Credits

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

Total number of mining claims covered by this report of work. **16**



Date **July 13/89** Recorder **JOHN GRANT**

For Office Use Only

Total Days Cr. Recorded  Date Recorded  Mining Recorder   
 Date Approved as Recorded  Branch Director

I hereby certify that I have a personal and accurate 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

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 \_\_\_\_\_

Total Number of Samples \_\_\_\_\_

Type of Sample \_\_\_\_\_  
(Nature of Material)

Average Sample Weight \_\_\_\_\_

Method of Collection \_\_\_\_\_

Soil Horizon Sampled \_\_\_\_\_

Horizon Development \_\_\_\_\_

Sample Depth \_\_\_\_\_

Terrain \_\_\_\_\_

Drainage Development \_\_\_\_\_

Estimated Range of Overburden Thickness \_\_\_\_\_

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis \_\_\_\_\_

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 \_\_\_\_\_

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

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

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

General \_\_\_\_\_

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.

**2.12712** Mining Act

Type of Survey(s) **TOTAL FIELD MAGNETIC SURVEY** Township or Area **GRANGES TWP.**  
 Claim Holder(s) **BLUE FALCON RESOURCES (MINES LTD)** Prospector's Licence No. **T-1441**  
 Address **20 ADVANCE BOULEVARD, BRAMPTON, ONTARIO, L6T-4R7**  
 Survey Company **EXSICS EXPLORATION LTD** Date of Survey (from & to) **6/7/89** Total Miles of line Cut **16.5**  
 Name and Address of Author (of Geo-Technical report) **J.C. GRANT, P.O. BOX 1880, TIMMINS, ONT. P4N-7X1**

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	40
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
	1034334				
	1034335				
	1034336				
	1034337				
	1034338				
	1034274				
	1034273				
	1034272				
	1034271				
	1034270				
	1047171				
	1036311				
	1036310				
	1036309				
	1036308				
	1036307				

RECEIVED

JUL 28 1989

MINING LANDS SECTION

RECORDED

JUL 18 1989

Expenditures (Total) **15**  
 Type of Work **Geophysical**  
 Performed on Claim(s) **JUL 18 1989**

Calculation of Expenditure Days Credits  
 Total Expenditures \$ **15** = Total Days Credits **15**

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

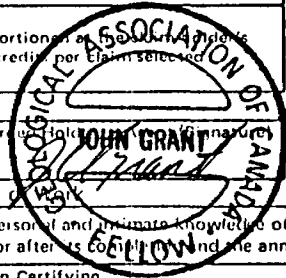
Total number of mining claims covered by this report of work: **16**

For Office Use Only  
 Total Days Cr. Recorded **640** Date Recorded **JULY 18/89** Mining Director **[Signature]**  
 Date Approved as Recorded **JULY 18/89** Branch Director **[Signature]**

Date **July 13/89** Recorded by **JOHN GRANT**

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 **J.C. GRANT, BOX 1880, TIMMINS, ONT. P4N-7X1**  
 Date Certified **July 13/89** Certified by (Signature) **[Signature]**





Ontario

Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

October 17, 1989

Mining Recorder  
Ministry of Northern Development and Mines  
60 Wilson Avenue  
Timmins, Ontario  
P4N 2S7

Dear Sir:

Re: Notice of Intent dated September 18, 1989 for Geophysical (Magnetometer)  
Survey submitted on Mining Claims P 1034336 et al in Groves 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*  
RM:eb  
Enclosure

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

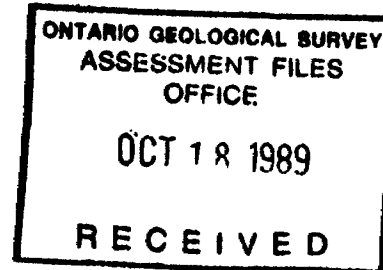
Blur Falcon Resources (Mines Ltd.)  
20 Advance Blvd.  
Brampton, Ontario  
L6T 4R7

J.C. Grant  
P.O. Box 1880  
Timmins, Ontario  
P4N 7X1

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

Telephone: (416) 965-4888

Your File: W8906-348  
Our File: 2.12712





Recorded Holder  
**BLUE FALCON RESOURCES (MINES LTD)**

Township or Area  
**GROVES TOWNSHIP**

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic _____ days Magnetometer <u>40</u> days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ 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.	P 1034336 to 338 incl. 1034270-274 incl. 1047171 1036307 to 311 incl.

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

<u>20 days Magnetometer</u>	<u>30 days Magnetometer</u>
P1034334	P 1034335

No credits have been allowed for the following mining claims

not sufficiently covered by the survey       insufficient technical data filed

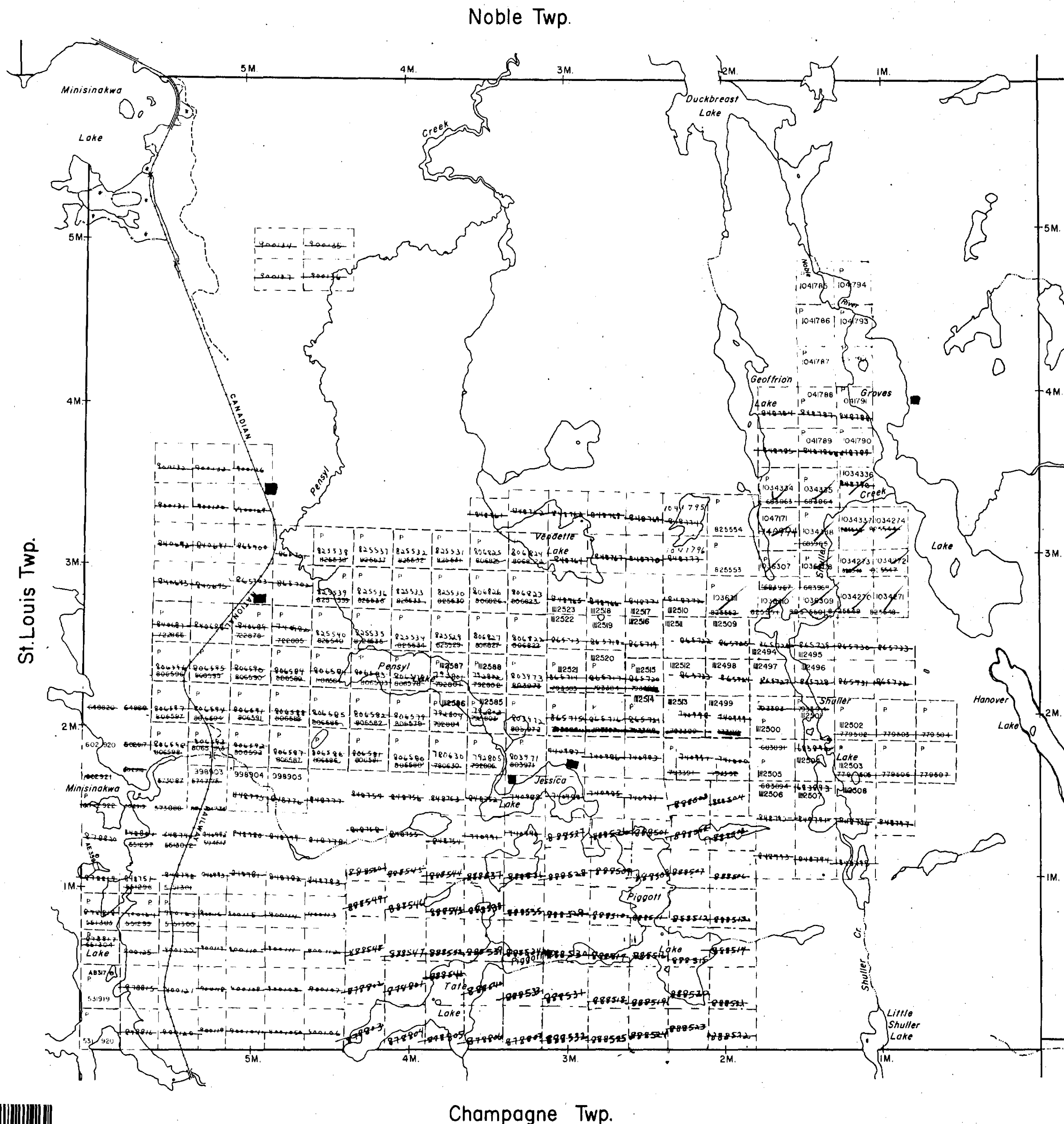
The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

- 1. MINING RIGHTS ONLY
- 2. SURFACE RIGHTS ONLY
- 3. MINING AND SURFACE RIGHTS

Order No. Date Disposition File



L.u.P.

NOTES

400' SURFACE RIGHTS RESERVATION AROUND MINISINAKWA LAKE TO MNR FILE 160708.

LEGEND

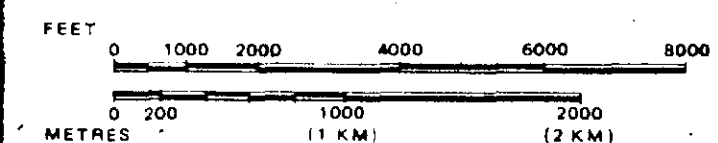
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING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

DISPOSITION OF CROWN LANDS

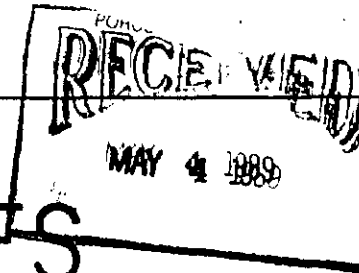
TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◊
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	□
" MINING RIGHTS ONLY	◻
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊗
SAND & GRAVEL	⊙

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP  
**GROVES**  
 M.N.R. ADMINISTRATIVE DISTRICT  
**GOGAMA**  
 MINING DIVISION  
**PORCUPINE**  
 LAND TITLES / REGISTRY DIVISION  
**SUDBURY**



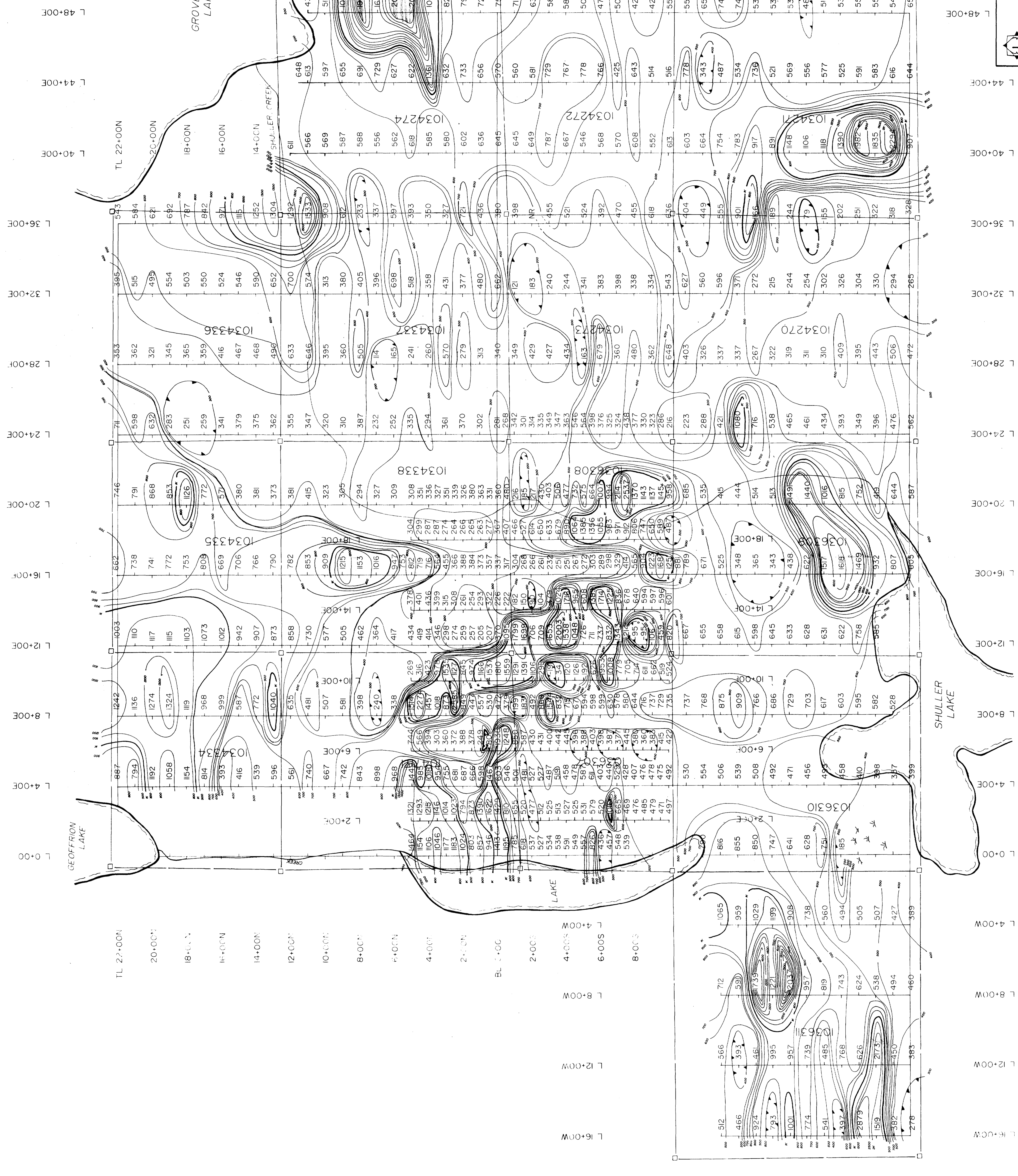
Date MARCH, 1985

Number

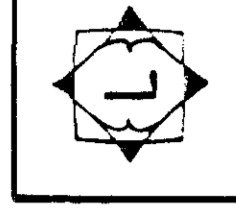
Rec'd Apr 12/85

G-3236





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EXSICS EXPLORATION LTD  
 P.O. Box 1880, Fair-Tek  
 Suite 13, Hullinger Bldg, Timmins Ont.  
 Telephone: (705) 261-4231

CLIENT: BLUE FALCON RESOURCES  
 PROPERTY: GROVES TOWNSHIP PROPERTY  
 TITLE: MAGNETOMETER SURVEY  
 Date: June 1993 Scale: 1"=200ft NTS  
 Drawn: P.G. Interp: Job No: EE-256

LEGEND  
 Instrument: EDA OMS-IV  
 Parameters Measured: Vertical magnetic gradient  
 Accuracy: +/- 1 nano-Tesla  
 Data collected by: Steve Stott, recorded  
 by: P.G. Interp: P.G. Interp  
 Reference Field: 58694  
 Datum: Adjusted 58000

