



RECEIVED

APR 19 1989

MINING LANDS SECTION

GEOPHYSICAL REPORT

ON THE

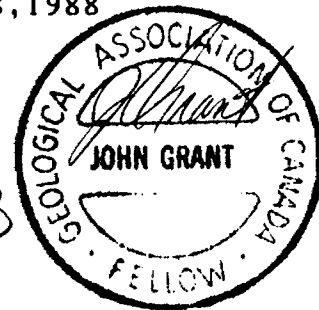
SQUAW LAKE PROPERTY

FOR

TEESHIN RESOURCES INC.

Prepared by:  
J.C. GRANT C.E.T., F.G.A.C.  
Exsics Exploration Ltd.  
Timmins, Ontario  
June 28, 1988

*Level  
2.3943*





52E18SW8545 2.12385 SHOAL LAKE

010C

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## Introduction

A Magnetometer and VLF-EM survey was carried out on 30 unpatented mining claims for Teeshin Resources Inc. The survey was carried out on a contract basis by Exsics Exploration Ltd., Timmins, Ontario. This report deals with the survey procedures and results.

## Location and Access

The property is located approximately 31 km SW of the town of Kenora, Ontario at approximately Lat. 49 degrees 38'N, Long. 94 degrees 50'W. The property lies adjacent to the SW shore of Squaw Lake which is part of the Lake of the Woods water system.

Access to the property is via water in summer and winter roads on the lakes in winter.

Claim Status

No claim status (ownership and assessment status) has been ascertained by the author. The current survey covered parts of the following 30 contiguous unpatented mining claims in the Shoal Lake Area, Kenora Mining Division, believed to be held by Teeshin Resources Inc:

<u>Claim Number</u>	<u>Township</u>
977847-977848 incl (2)	Shoal Lake Area
977850-977859 incl (10)	"
977865-977874 incl (10)	"
977878-977881 incl (4)	"
1055804 (1)	"
1064303-1064304 (2)	"
1064312 (1)	"

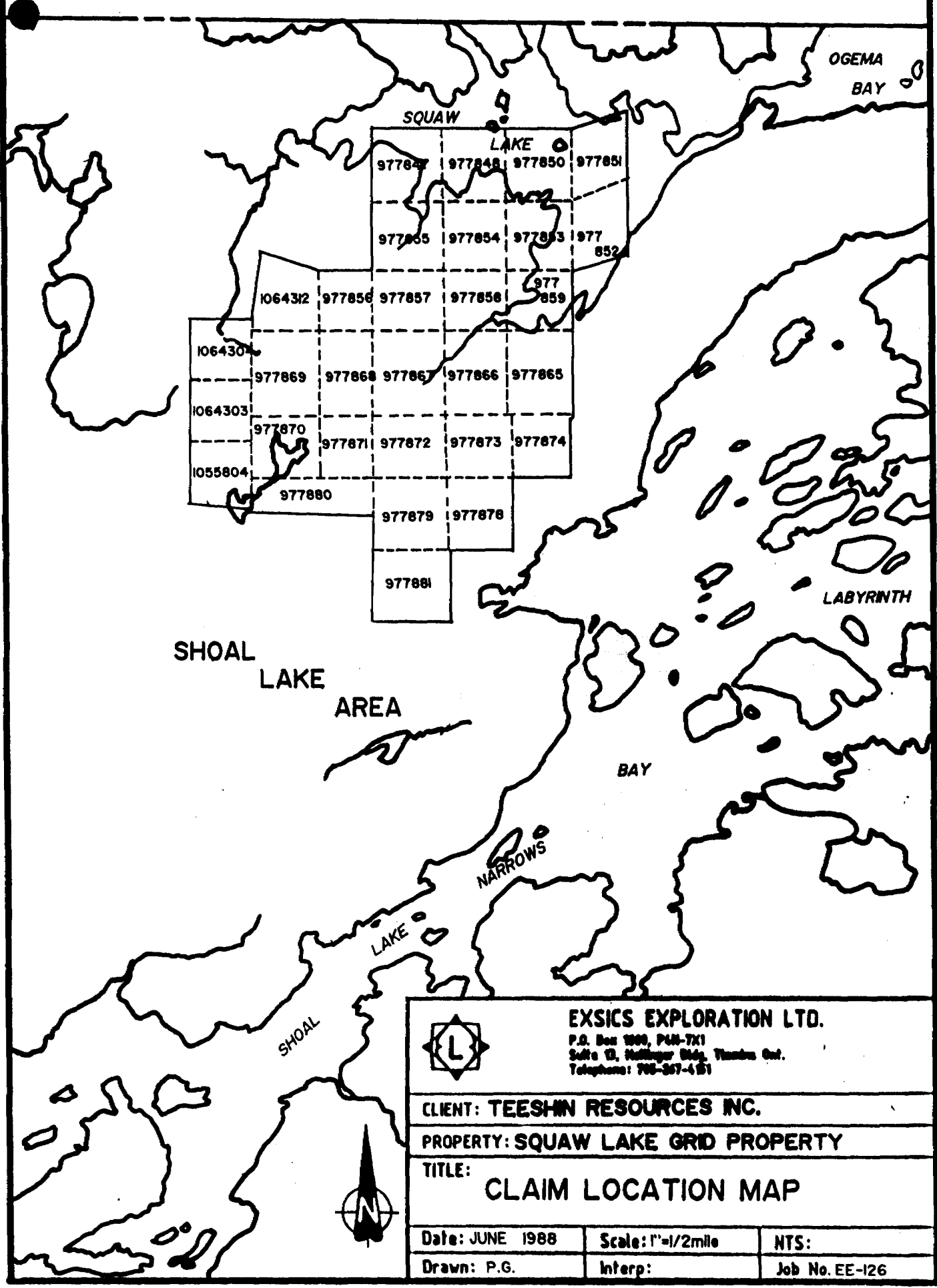
Total of 30 claims


Personnel

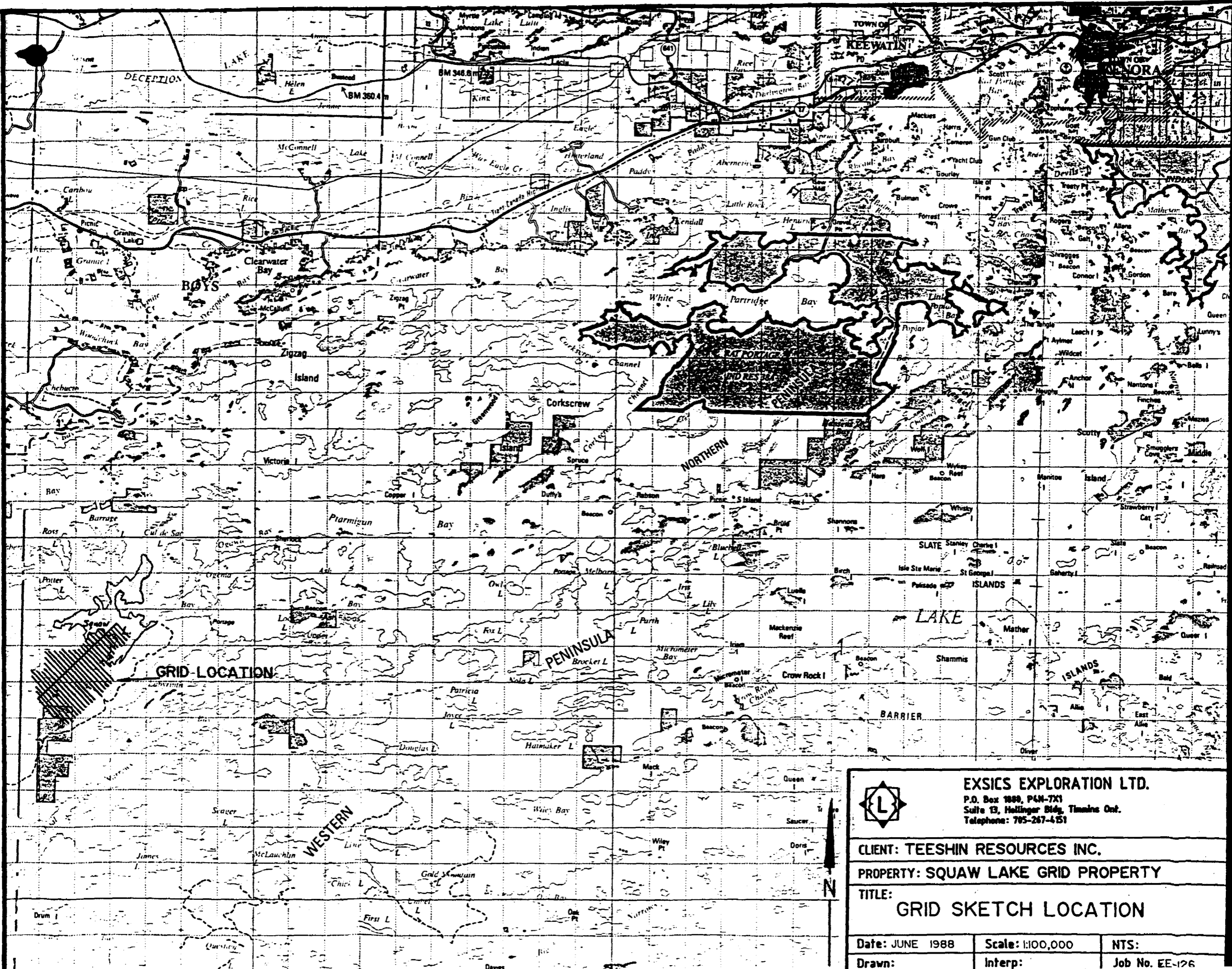
The following personnel were directly involved with the project in February, 1988:


Scott Kerr	Timmins, Ontario
Paul Frederick	Timmins, Ontario

ECHO BAY and BOYS TWP.



	<b>EXSICS EXPLORATION LTD.</b> P.O. Box 1000, P4N-7X1 Suite 12, Hallinger Bldg, Thunder Bay, Telephone: 708-267-451	
	<b>CLIENT: TEESHIN RESOURCES INC.</b>	
<b>PROPERTY: SQUAW LAKE GRID PROPERTY</b>		
<b>TITLE: CLAIM LOCATION MAP</b>		
<b>Date: JUNE 1988</b>	<b>Scale: 1"=1/2mile</b>	<b>NTS:</b>
<b>Drawn: P.G.</b>	<b>Interp:</b>	<b>Job No. EE-126</b>



		
<b>EXSICS EXPLORATION LTD.</b> P.O. Box 1888, P4M-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 705-267-4151		
<b>CLIENT: TEESHIN RESOURCES INC.</b>		
<b>PROPERTY: SQUAW LAKE GRID PROPERTY</b>		
<b>TITLE:</b> <b>GRID SKETCH LOCATION</b>		
<b>Date:</b> JUNE 1988	<b>Scale:</b> 1:100,000	<b>NTS:</b>
<b>Drawn:</b>	<b>Interp:</b>	<b>Job No.</b> EE-126

## Survey Parameters

### Magnetometer Survey

The grid was covered on 100 m line spacing with a reading interval of 25 meters. The resultant total magnetic field was recorded using the following parameters:

Instrument: Scintrex MP-2 Proton Precession Magnetometer

Parameter Measured: Earth's total Magnetic Field in  
nano-teslas

Diurnals Corrected by Base Line Looping

Accuracy: +/- 10 nano-teslas

Reading Interval: 25 meters

Contour Interval: 0,100,300,600,1000...nano-teslas

Datum Subtracted for Plotting: 59000 nano-teslas

Data Presentation: Plan Form Map No. 1, 1:2500

### VLF-EM Survey

A total of 35 km of VLF survey was conducted on the property, covering the entire claim group. The VLF method is a high frequency (relatively) EM technique which employs the use of VLF transmitting stations which operate world wide for submarine communications. The magnetic field generated from these vertical antennas is horizontal and concentric. This primary field will induce a secondary field in any conductor properly coupled with the station direction.

The VLF-EM method measures the vertical component of the secondary field. Therefore a station should be chosen which is on strike with the expected strike of the conductor one is searching for. This is called Maximum Coupling and in reality stations up to 45 degrees off strike can be used. Because of the high frequency of this method, weak conductive features will be detected, including some overburden features. Therefore interpretation of VLF data should be done discriminately and used in conjunction with other methods. Under some circumstances structural interpretation can be ascertained if some knowledge of the bedrock is available.

Different parameters of the VLF technique can be measured. The "dip angle" or plane of the resultant field was measured using the following parameters:

Instrument:	Crone radem, VLF Receiver
Transmitter Station:	Cutler Maine, (NAA)
Parameter Measured:	In-phase Dip Angles
Frequency:	24.0 KHZ
Direction to Station:	100 degrees True
All readings taken facing 280 degrees True	
Data Presentation:	Dip Angle Plan Map No.2, 1:2500 profiled Fraser Filterd Dip Angle Map No. 3, 1:2500



### Survey Results

The VLF was successful in outlining a number of conductors which would appear to be legitimate bedrock responses.

The most northerly structure extends from L100 ME to L 200 MW striking at 300 MN where it is then broken and strikes from L 400 MW to L 800 MW at 300 MN to 150 MN. The western portion of this zone has coincidental geochemical anomalies, as indicated by the Soils Geochemistry Map, from Teeshin Resources Inc. Only a rough copy of this map was made available, therefore it will not be included in this report.

A structure running more or less along the base line was also located. This zone appears to extend off the grid in the east and as far west as L 700 MW, striking from just north of the base line in the east and west, while dipping slightly south of the base line in the central section.

This zone lies on the northern flank of a magnetic low between L 600 ME and L 200 MW, which may be an indication of some sort of alteration in this area.

The eastern section of this structure tends to broaden out to the south. This may be due to stringer type material within or extending from the main zone.

This zone also has coincidental geochemical anomalies at various points, as indicated by the Soil Geochemistry Map.

A third zone runs from L 800 ME, and most likely extends off the grid in the west, striking from 400 MS to 150 MS.

This structure appears broken in the areas of L 500 ME and L 500 ME and L 500 MW, which may be a result of some sort of alteration, as indicated by magnetic lows in these areas.

This area also has a number of geochemical anomalies associated with it, as shown by the Soil Geochemistry Map.

A zone running parallel and south of this extends from L 600 ME to L 1100 MW and strikes from 700 MS to 400 MS. This structure appears to merge with the previous zone in the east which may be in part an overburden response, however it should not be dismissed as such without further testing.

A zone running from L 700 MW to L 1000 MW and striking at 850 MS has coincidental geochemical anomalies as shown by the Soil Geochemistry Map.

Conductors along the southern boundary of the grid would appear to be overburden responses, but should not be dismissed as such without further testing.

### Conclusions and Recommendations

The surveys performed were successful in outlining a number of areas of interest. Many of the conductors located tend to lie along overburden horizons, however because of the presence of strong magnetic highs and lows, and the geochemical results for these areas, none of the zones outlined should be dismissed as overburden responses.

Followup work is recommended, particularly in the northern portion of the grid. A number of geophysical surveys such as Induced Polarization may give better definition of the zones, outlined in this report.

Respectfully submitted,



J. C. Grant

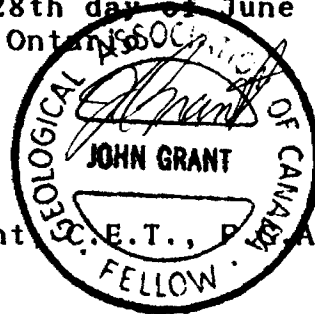
CERTIFICATE OF QUALIFICATIONS

I, John Charles Grant do hereby certify:

1. that I am a geophysicist and reside at Lot 2 Martineau Avenue, Kamiskotia Lake, Timmins, Ontario.
2. that I am a Fellow of the Geological Association of Canada.
3. that I am a member of the Certified Engineering Technologist Association.
4. that I graduated from Cambrian College of Applied Arts and Technology, Sudbury Campus in 1975 with an Honour's diploma in Geology Technology.
5. that I have practised my profession continuously for 13 years.
6. that my report on SQUAW LAKE GRID PROPERTY for TEESHIN RESOURCES INC. is based on work carried out under my supervision.
4. I hold no specific or special interest in the described property. I have been retained as a Consulting Geophysicist for "the property".

Dated this 28th day of June 1988  
at Timmins, Ontario

John C. Grant



APPENDICES

APPENDIX A



# SCINTREX

earth science division

## Proton Precession Magnetometer for Portable or Base Station Use

### MP-2

- features** ▶
- ▶ *1 gamma sensitivity and accuracy over range of 20,000 to 100,000 gammas.*
  - ▶ *Operates in very high gradients, to 5000 gammas per metre.*
  - ▶ *Ultra small size and weight.*
  - ▶ *Up to 25,000 readings from only 8 D cells.*
  - ▶ *Battery pack isolated from electronics for corrosion protection.*
  - ▶ *Battery pack easily extended for winter use.*
  - ▶ *Light-emitting diode digital display, with complete test feature.*
  - ▶ *Unique no-glare polarized reflector permits easy reading in bright sunlight.*
  - ▶ *Indicator light warning of excessive gradient, ambient noise or electronic failure.*
  - ▶ *Digital readout of battery voltage.*
  - ▶ *Rugged all metal housing for rough field use at all temperatures.*
  - ▶ *Automatic recycling or external trigger features permit ready conversion to base station use.*
  - ▶ *Short reading time.*
  - ▶ *Broad operating temperature range.*

The MP-2 is a portable one gamma proton precession magnetometer for field survey or base station use. The optimized design of sensor and circuitry using the latest CMOS components has resulted in a very light weight, low power consumption, rugged and reliable magnetometer.

Light emitting diodes coupled with an ingenious optically polarized reflector combine solid state reliability with easy reading even in bright sunlight.

A standard automatic recycling feature allows ready use of the MP-2, with suitable (optional) interfacing, as a base station recorder in analogue or digital form. Alternatively, a remote trigger can be used.

The noise-cancelling dual-coil sensor and electronics have been so designed as to effectively eliminate reading problems due to virtually all magnetic gradients which may be encountered in field survey conditions.



**SCINTREX** a world of discovery

**TECHNICAL  
DESCRIPTION OF  
MP-2  
MAGNETOMETER**



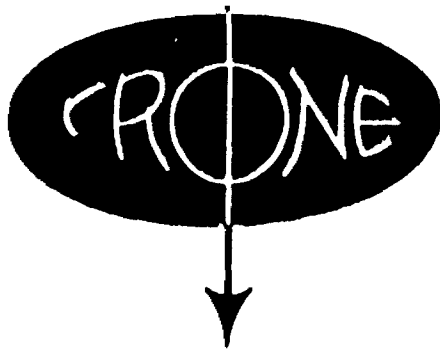
**SCINTREX**

<b>RESOLUTION</b>	1 Gamma.
<b>TOTAL FIELD ACCURACY</b>	$\pm 1$ Gamma over full operating range.
<b>RANGE</b>	20,000 to 100,000 gammas in 25 overlapping steps.
<b>INTERNAL MEASURING PROGRAMME</b>	Single reading — 3.7 seconds. Recyc. feature permits automatic repetitive readings 3.7 seconds intervals.
<b>EXTERNAL TRIGGER</b>	External trigger input permits use of sampling intervals longer than 3.7 seconds.
<b>DISPLAY</b>	5 digit LED (Light Emitting Diode) readout displaying total magnetic field in gammas or normalized battery voltage.
<b>RECORDER OUTPUT (Optional)</b>	Multiplied precession frequency and gate time outputs for interfacing with incremental tape recorders (eg. Increlogger) for digital recording. As an additional option a digital to analogue convertor is available for use with analogue recorders.
<b>GRADIENT TOLERANCE</b>	Up to 5000 gammas/metre.
<b>POWER SOURCE</b>	8 alkaline "D" cells provide up to 25,000 readings at 25° C under reasonable signal/noise conditions (less at lower temperatures). Premium carbon-zinc cells provide about 40% of this number.
<b>SENSOR</b>	Omnidirectional, shielded, noise-cancelling dual coil, optimized for high gradient tolerance.
<b>HARNESS</b>	Complete for operation with staff or back pack sensor.
<b>OPERATING TEMPERATURE RANGE</b>	-35°C to +60°C.
<b>SIZE</b>	Console, with batteries: 80 x 160 x 250mm. Sensor: 80 x 150mm. Staff: 30 x 1550mm. (extended) 30 x 600 mm. (collapsed)
<b>WEIGHTS</b>	Console, with batteries: 1.8kg. Sensor: 1.3kg. Staff: 0.6kg.

**SCINTREX LIMITED**  
222 Snidercrott Road,  
Concord, Ontario, Canada L4K 1B5  
TELEPHONE (416) 669-2200, TELEX 06-964570

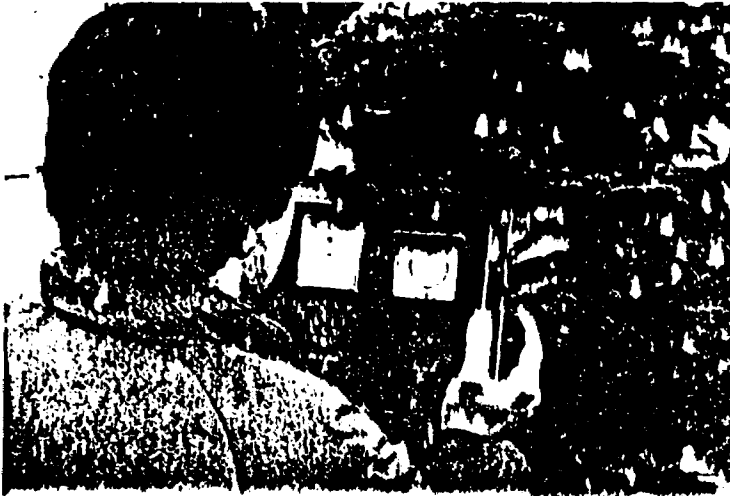


APPENDIX B



# CRONE GEOPHYSICS LIMITED

## RADEM VLF EM RECEIVER



An EM receiver measuring the FIELD STRENGTH, DIP ANGLE and QUADRATURE components of the VLF communications stations.

This is a rugged, simple to operate, ONE MAN EM unit. It can be used without line cutting and is thus ideally suited for GROUND LOCATION OF AIRBORNE CONDUCTORS and RECONNAISSANCE SURVEYS of MINERAL SHOWINGS. This instrument utilizes higher than normal EM frequencies and is capable of detecting poorly conductive sulphide deposits and fault zones. It accurately isolates BANDED CONDUCTORS and operates through areas of HIGH POWERLINE NOISE. The method is capable of deep penetration but due to the high frequency used its penetration is limited in areas of clay and conductive overburden.

The DIP ANGLE measurement detects a conductor from a considerable distance and is used primarily for location conductors. The FIELD STRENGTH measurement is used to define the shape and attitude of the conductor.

- Instrument Sales, Rental and Repair Services
- Contract Survey Services
- Consulting Services
- Computer Plotting and Processing Services

HEAD OFFICE: 3607 Wolfedale Rd.  
MISSISSAUGA, Ontario  
CANADA L5C 1V8  
PHONE: (416) 270-0096  
TELEX: 06-961260

## SPECIFICATIONS\*

**SOURCE OF PRIMARY FIELD:** VLF Communications Stations 1 to 25 KHz  
**NUMBER OF STATIONS:** 7 Switch Selectable  
**STATIONS AVAILABLE:** The Seven Stations May Be Selected From:

	CODE	STATION & LOCATION	CALL SIGN	FREQUENCY
Standard	CM	Cutler, Maine	NAA. ....	17.8 KHz <i>24.0</i>
"	SW	Seattle, Washington	NLK. ....	24.8 KHz
"	AM	Annapolis, Maryland	NSS. ....	21.4 KHz
"	H	Laulualei, Hawaii	NPM. ....	23.4 KHz
"	BOF	Bordeaux, France	NWU. ....	15.1 KHz
"	E	Rugby, England	GBR. ....	16.0 KHz
Optional	MS	Moscow, Russia	UMS. ....	17.1 KHz
"	OD	Odessa (Black Sea)	EWB. ....	15.6 KHz
"	NC	Exmouth, Australia	NWC. ....	22.3 KHz
"	HN	Helgeland, Norway	JXZ. ....	17.6 KHz
"	YJ	Yosamal, Japan	NDT. ....	17.4 KHz
"	TJ	Tokyo, Japan	JG2AR. ....	20.0 KHz
"	BA	Buenos Aires, Argentina	.....	23.6 KHz

**CHECK THAT STATION IS TRANSMITTING:** Audible signal from speaker.

**PARAMETERS MEASURED:**

- (1) **DIP ANGLE** in degrees of the magnetic field component, from the horizontal, of the major axis of the polarization ellipse. Detected by a minimum on the field strength meter and read from an inclinometer with a range of  $\pm 1/2^\circ$ .
- (2) **FIELD STRENGTH** (total or horizontal) of the magnetic component of the VLF field, (amplitude of the major axis of the polarization ellipse). Measured as a percent of normal field strength established at a base station. Accuracy  $\pm 2\%$  dependent on signal. Meter has two ranges: 0-300% and 0-600%.
- (3) **QUADRATURE** component of the magnetic field, perpendicular in direction to the resultant field, as a percent of the normal field strength, (amplitude of the minor axis of the polarization ellipse). This is the minimum reading of the Field Strength meter obtained when measuring the dip angle. Accuracy  $\pm 2\%$ .

**OPERATING TEMPERATURE RANGE:**  $-40^\circ\text{C}$  to  $50^\circ\text{C}$  ( $-40^\circ\text{F}$  to  $120^\circ\text{F}$ )

**DIMENSIONS:** 9 cm x 19 cm x 27 cm ( $3\frac{1}{2}''$  x  $7\frac{1}{2}''$  x  $10\frac{1}{2}''$ )

**SHIPPING DIMENSIONS:** 30 cm x 14 cm x 36 cm ( $11\frac{1}{8}''$  x  $5\frac{1}{2}''$  x  $14''$ )

**WEIGHT:** 2.7 kg (6 lbs)

**SHIPPING WEIGHT:** 6.0 kg (13 lbs)

**BATTERIES:** 2 of 9 volt  
 Average Life Expectancy  
 20 Hours for Continuous Operation

\* Specifications subject to change without notice\*

APPENDIX C



Mining Claims Traversed

977847	1055804
977848	1064303
977850	1064304
977851	1064312
977852	
977853	
977854	
977855	
977856	
977857	
977858	
977859	
977865	
977866	
977867	
977868	
977869	
977870	
977871	
977872	
977873	
977874	
977878	
977879	
977880	
977881	

GEOPHYSICAL TECHNICAL DATA

**G** OUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations 1223 VLF 1223 Mag Number of Readings 1223 VLF 1223 Mag  
Station interval 25 meters Line spacing 100 meters  
Profile scale \_\_\_\_\_  
Contour interval Mag 100, 200, 300, 400, 1000... VLF 0, 10, 20, 30...

MAGNETIC

Instrument Scintrex MP-2 Proton Precession Magnetometer  
Accuracy - Scale constant ± 1 gamma  
Diurnal correction method Base line looping  
Base Station check-in interval (hours) 1 hour  
Base Station location and value All base line values

ELECTROMAGNETIC

Instrument Crone Radem  
Coil configuration \_\_\_\_\_  
Coil separation \_\_\_\_\_  
Accuracy ± 1°  
Method:  Fixed transmitter  Shoot back  In line  Parallel line  
Frequency 24.0 KHz Cutler Maine (NAA)  
(specify V.L.F. station)  
Parameters measured In - Phase, Dip Angle

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 \_\_\_\_\_



52E10SW8545 2.12385 SHOAL LAKE

900

W 8901.61

Type: (veys)

MAGNETOMETER / VLF

Claim Holder(s)

TEESHW IN RESOURCES LTD 2.12385

Prospector's Licence No

71598

Address

SUITE 100 - 581 ARGUS ROAD ORKVILLE ONT L6J 3J4

Survey Company

EXPLORATION EXSICS GEOPHYSICAL LTD

Date of Survey (from & to)

01 02 88 20 02 88

Total Miles of line Cut

2.6

Name and Address of Author (of Geo-Technical report)

JOHN GRANT, P.O. Box 1880, Suite 13, Hollinger Bldg, Timmins, Ont P9A7X1

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	20
	- Radiometric	
	- Other	
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  <b>RECEIVED</b> MAR 8 1989  <b>MINING LANDS SECTION</b>	- 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.	Mining Claim		Expend.
Prefix	Number	Days Cr.	Prefix	Number	Days Cr.
K	977847	40	K	977878	40
	848	40		879	40
	850	60		880	40
	851	60		881	40
	852	60		<del>882</del>	<del>40</del>
	853	40		<del>883</del>	<del>40</del>
	854	40		<del>884</del>	<del>40</del>
	855	40		<del>885</del>	<del>40</del>
	856	40			
	857	40			
	858	40			
	859	40			
	865	40			
	866	40			
	867	40			
	868	40			
	869	40			
	870	40			
	871	40			
	872	40			
	873	40			
	874	60			

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)  
Please note: Most claims have soil geochem as first survey. For those that have not, I have applied for 60 days.

Calculation of Expenditure Days Credits  
Total Expenditures: 51 ÷ 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.

Date: 15 FEB 1989  
Recorded (Holder or Agent) (Signature): [Signature]

977834  
Total number of mining claims covered by this report of work: 26

For Office Use Only  
Total Days Cr. Recorded: 1120  
Date Recorded: 89 FEB 21  
Date Approved as Recorded: [Signature]  
Mining Order: [Signature]  
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  
Mel de Quadros, 40 HOLWOOD AVENUE, TORONTO ONTARIO M6H 1P5

Date Certified: 15 FEB 1989  
Certified by (Signature): [Signature]





Recorded Holder  
**TEESHIN RESOURCES LTD.**

Township or Area  
**SHOAL LAKE AREA**

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic <u>31</u> days	K 977847-48
Magnetometer <u>16</u> days	977850 to 859 incl.
Radiometric _____ days	977865 to 874 incl.
Induced polarization _____ days	977878 to 881 incl.
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.	

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.

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

Telephone: (416) 965-4888

June 8, 1989

Your file: W8901-61  
Our file: 2.12385

Mining Recorder  
Ministry of Northern Development and Mines  
808 Robertson Street  
P.O. Box 5200  
Kenora, Ontario  
P8N 3X9

Dear Sir:

**Re:** Notice of Intent dated May 5, 1989 Geophysical (Electromagnetic and Magnetometer) Survey submitted on Mining Claims K 977847 et al in Shoal Lake Area.

---

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

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

Yours sincerely,

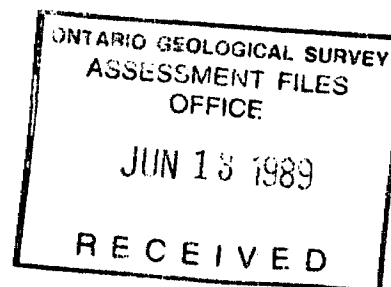
**W.R. Cowan**  
Provincial Manager, Mining Lands  
Mines & Minerals Division

**RM:eb**  
Enclosure

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

Teeshin Resources Ltd.  
Oakville, Ontario

John Grant  
Tirmins, Ontario



**Resident Geologist**  
Kenora, Ontario

**Mel de Quadros**  
Toronto, Ontario

2.12385

W8901.61

	MAG	EM
977847	-3/4	-3/4
977848	-1/2	-1/2
977850	-1/2	-1/2
977851	-1/4	-1/4
977852	-1/4	-1/2
977853	-1/2	-1/2
977854	✓	✓
977855	-3/4	-3/4
977856	✓	✓
977857	✓	✓
977858	✓	✓
977859	-1/4	-1/2
977865	-1/4	-1/4
977866	✓	✓
977867	✓	✓
977868	✓	✓
977869	✓	✓
977870	✓	✓
977871	✓	✓
977872	✓	✓
977873	-1/4	-1/4
977874	-3/4	-3/4
977878	-3/4	-3/4
977879	-1/4	-1/4
977880	✓	✓
977881	-3/4	-3/4

$$\text{MAG } (26 \times 20) \div (26 + 6.75) = 16 \text{ Days}$$

520                      32.75

$$\text{EM } (26 \times 40) \div (26 + 7.25) = 31 \text{ Days}$$

1040                      33.25

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

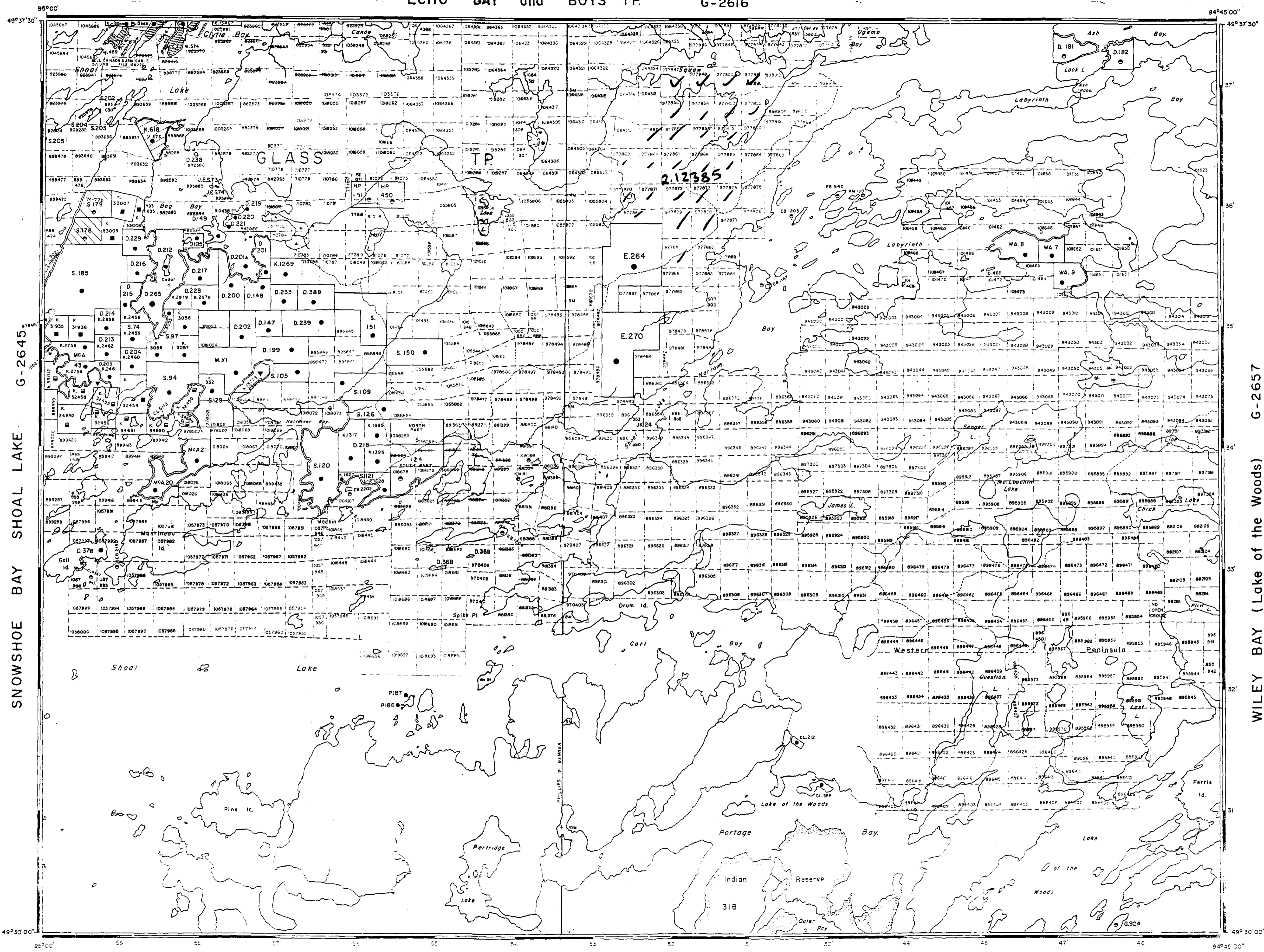
- N.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M. + S. - MINING AND SURFACE RIGHTS

Description Order No. Date Disposition File

Flooding Rights reserved to 1064' mean sea level.

Islands in Shoal Lake and inlets thereto do not form part of Glass Township.

ECHO BAY and BOYS TP. G-2616



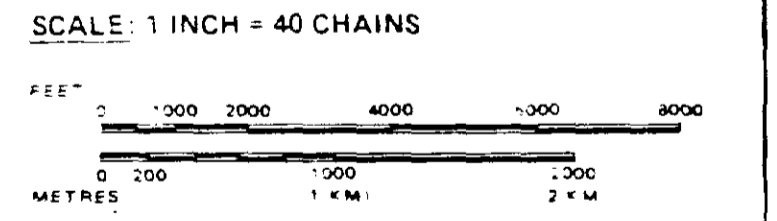
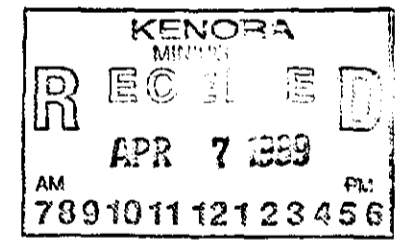
LEGEND

- 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

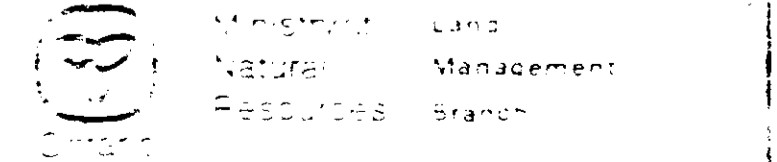
DISPOSITION OF CROWN LANDS

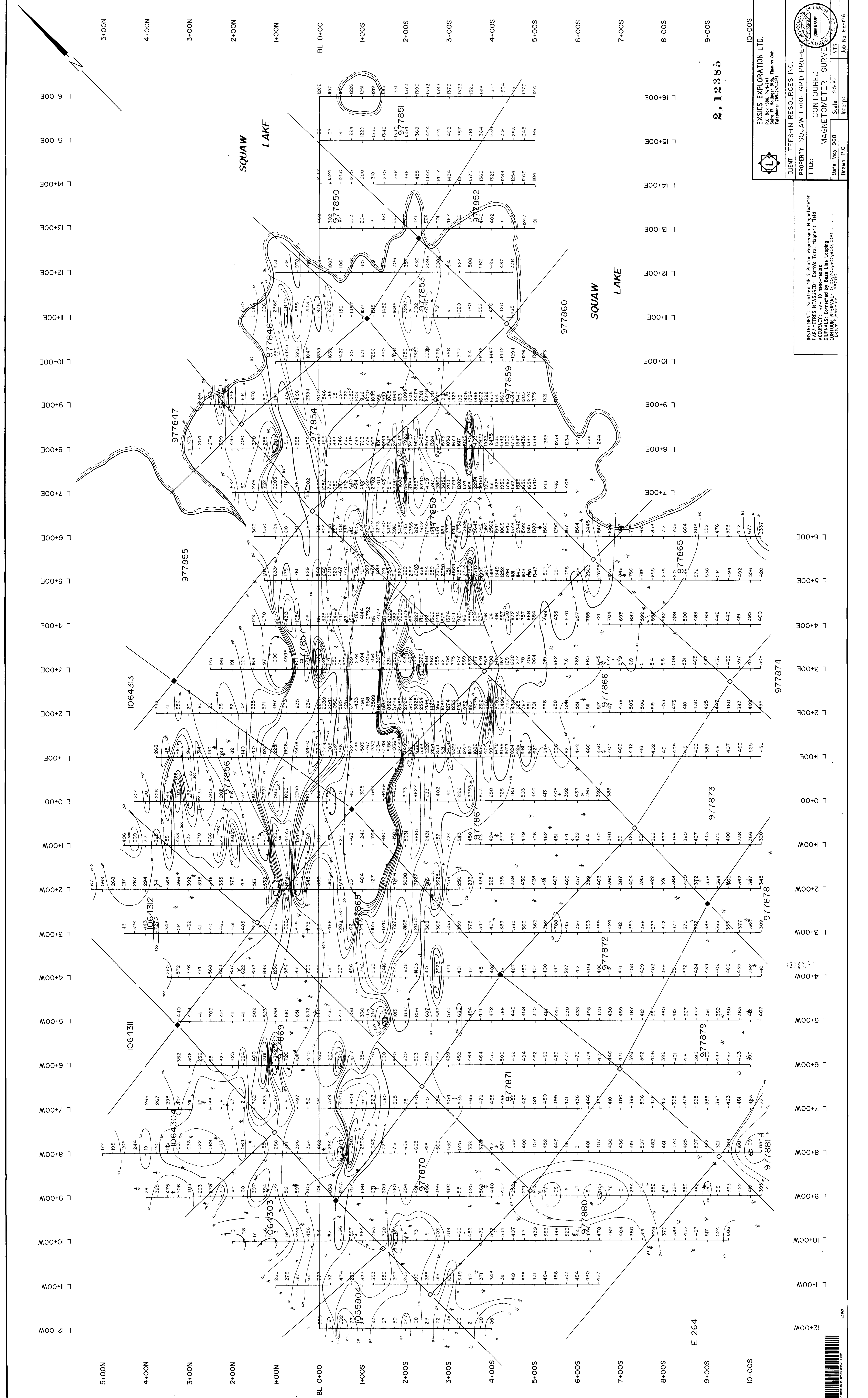
TYPE OF DOCUMENT	SYMBOL
PATENT SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LEASE SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

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. 380, SEC. 63, SUBSEC. 1



AREA  
**SHOAL LAKE**  
 M.N.R. ADMINISTRATIVE DISTRICT  
**KENORA**  
 MINING DIVISION  
**KENORA**  
 LAND TITLES & SURVEY DIVISION  
**KENORA**





**EXSICS EXPLORATION LTD.**  
 P.O. Box 188, P.A.N.-741  
 Timmins, Ont.  
 Telephone: 705-262-1511

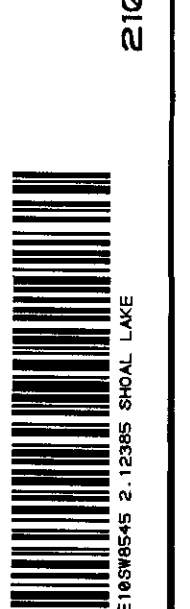
**CLIENT: TEESHIN RESOURCES INC.**

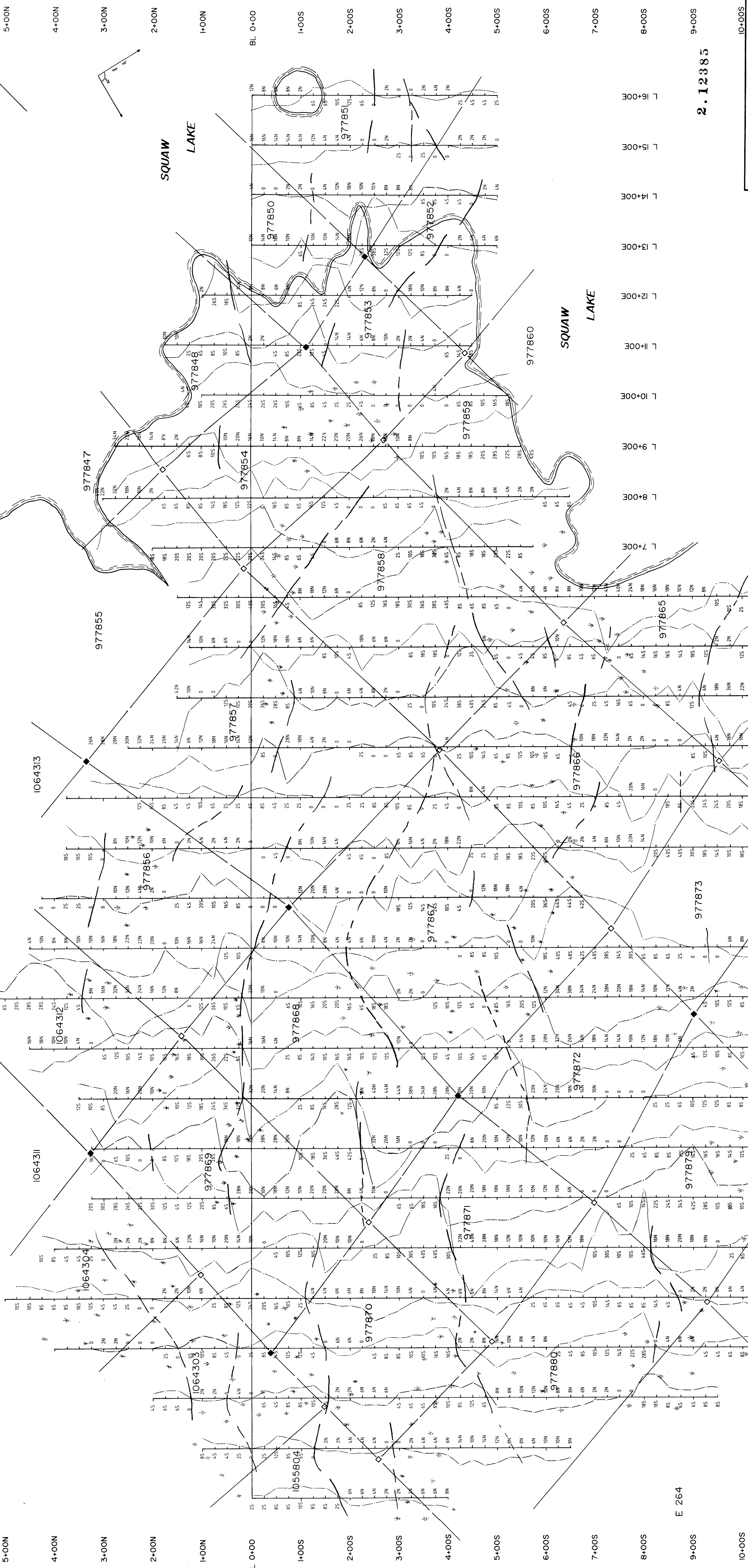
**TITLE: CONTOURED MAGNETOMETER SURVEY**

Date: May 1988 Scale: 1:2500  
 Drawn: P.G. Interp:

**PROPERTY: SQUAW LAKE GRID PROPER**  
**INSTRUMENT: Siphon, M-3 Proton Precision Magnetometer**  
**PARAMETERS MEASURED: Earth's Total Magnetic Field**  
**ACCURACY: +/- 10 nano-gauss**  
**DRAWNALS: Corrected by Base Line Logging**  
**CONTOUR INTERVAL: 50000, 10000, 5000, 1000**

Job No. EE-126



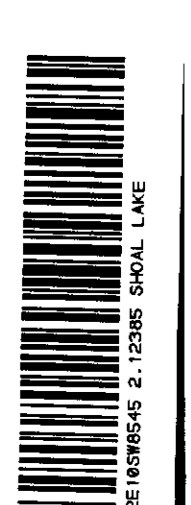


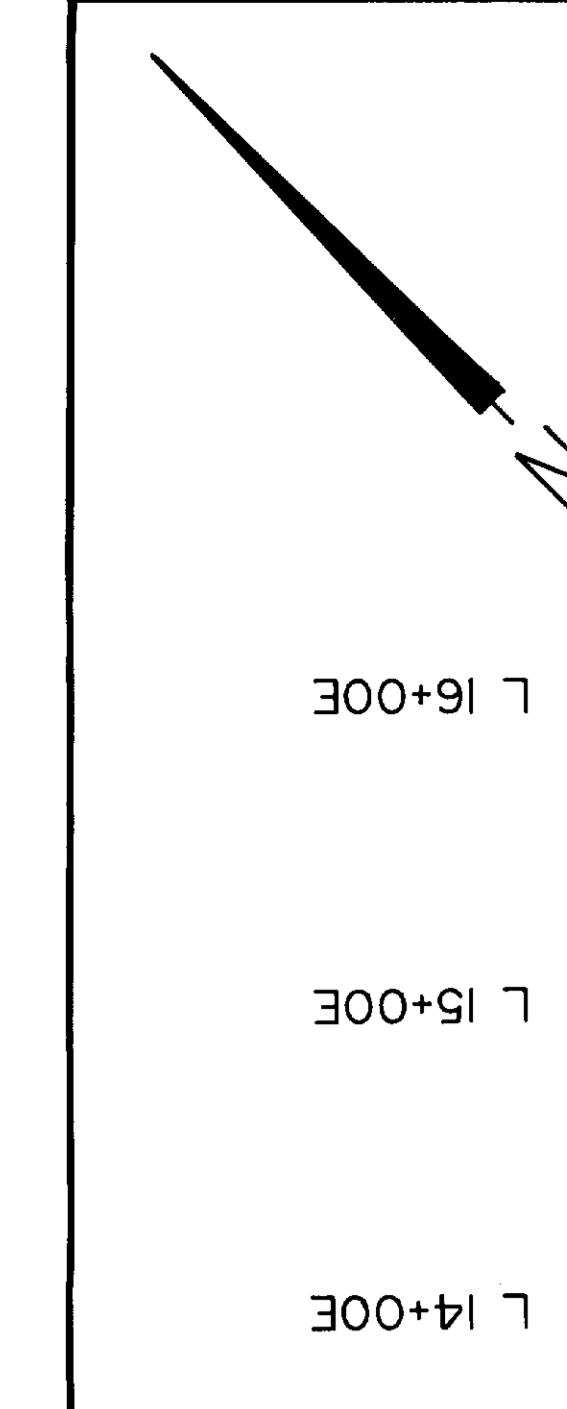
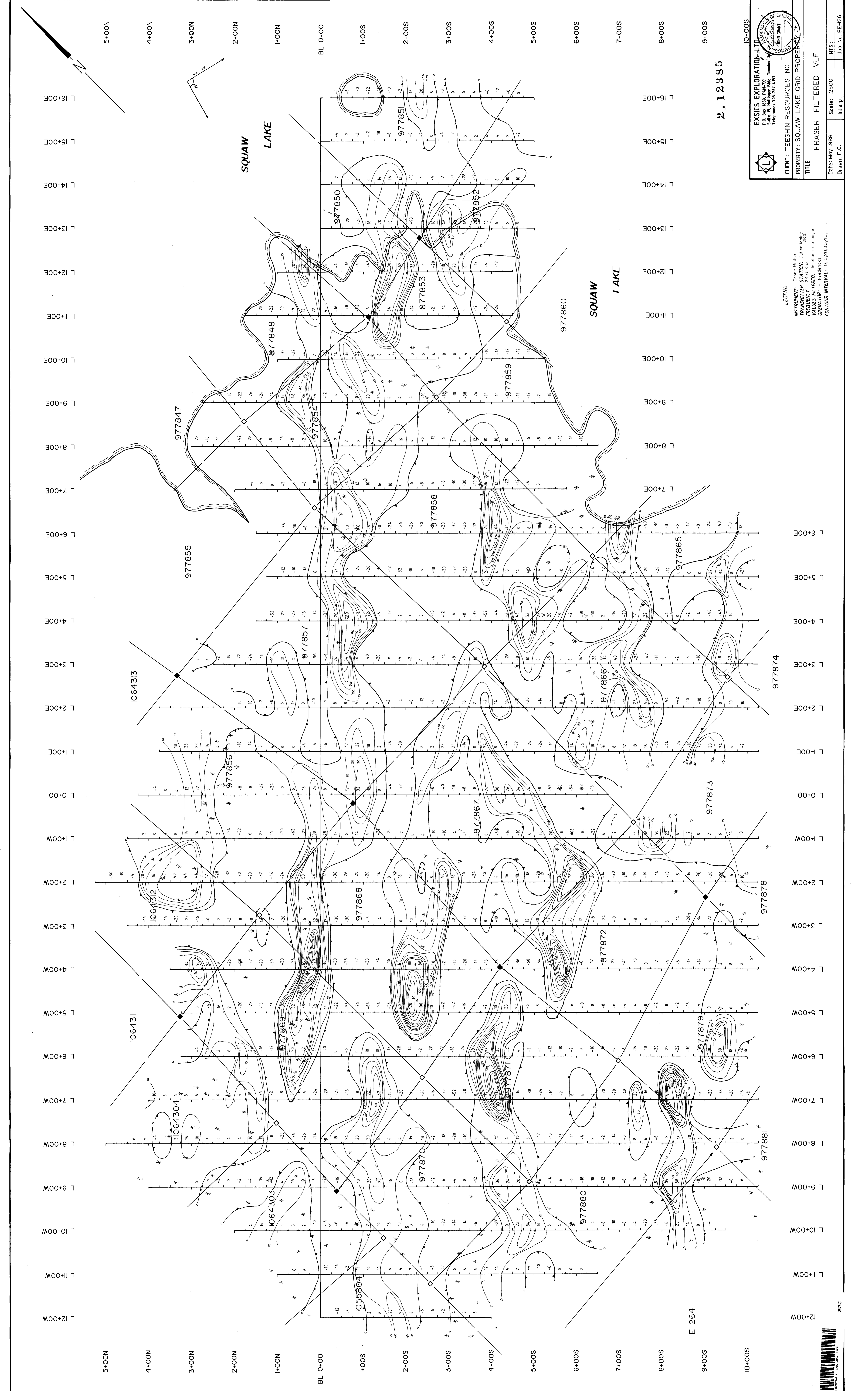
2.12385



EXSICS EXPLORATION LTD.  
 CLIENT: TEESHIN RESOURCES INC.  
 PROPERTY: SQUAW LAKE GRID PROPERTIES  
 TITLE: VLF DIP ANGLE  
 Date: May 1988 Scale: 1:2500  
 Drawn: P.G. Interpr: N.T./J.C.S.  
 Job No. EE-126

LEGEND  
 INSTRUMENT: Geonics GDS-107  
 TRANSMITTER SYSTEM: GDS-107  
 FREQUENCY: 24.0 kHz  
 PARAMETERS MEASURED: Dip Angle  
 VERTICAL SCALE: 1:1000





**EXSICS EXPLORATION LTD.**  
 10155 Highway 101A, Timmins Ont.  
 P.O. Box 100, Timmins Ont.  
 Telephone: 705-267-4151

**CLIENT:** TEESHIN RESOURCES INC.  
**PROPERTY:** SQUAW LAKE GRID PROPERTY  
**TITLE:** FRASER FILTERED VLF

**Date:** May 1988  
**Scale:** 1:2500  
**Interp:** NTS  
**Job No.:** EE-126

**LEGEND:** Contour Interval: 2.00, 20.00, 40.00, ...  
 INSTRUMENT: Crane Rodam  
 TRANSMITTER STATION: Cutter Mount  
 FREQUENCY: 24.0 KHz  
 VALUES FILTERED: 100 ft. minimum dip angle  
 DRAWN BY: P.G.  
 CONTOUR INTERVAL: 0.00, 20.00, 40.00, ...