



32E13NW0011 2.5579 HOPPER LAKE

010

GEOPHYSICAL REPORT

on the

GENESIS RESOURCES CORPORATION PROPERTY

HOPPER LAKE

~~LOWER/DETOUR/LAKE~~

PORCUPINE MINING DIVISION

ONTARIO

RECEIVED

AUG 16 1983

MINING LANDS SECTION

MAY, 1983

Mark Bowman, B.Sc.



32E13NW0011 2.5579 HOPPER LAKE

010C

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INTRODUCTION:

A total field magnetometer and VLF-EM survey was performed over the Genesis Resources Corporation property in the Detour Lake area of Northeastern Ontario in April, 1983.

The survey was an attempt to define regions of sulphide mineralization believed to be associated with gold deposits in the region.

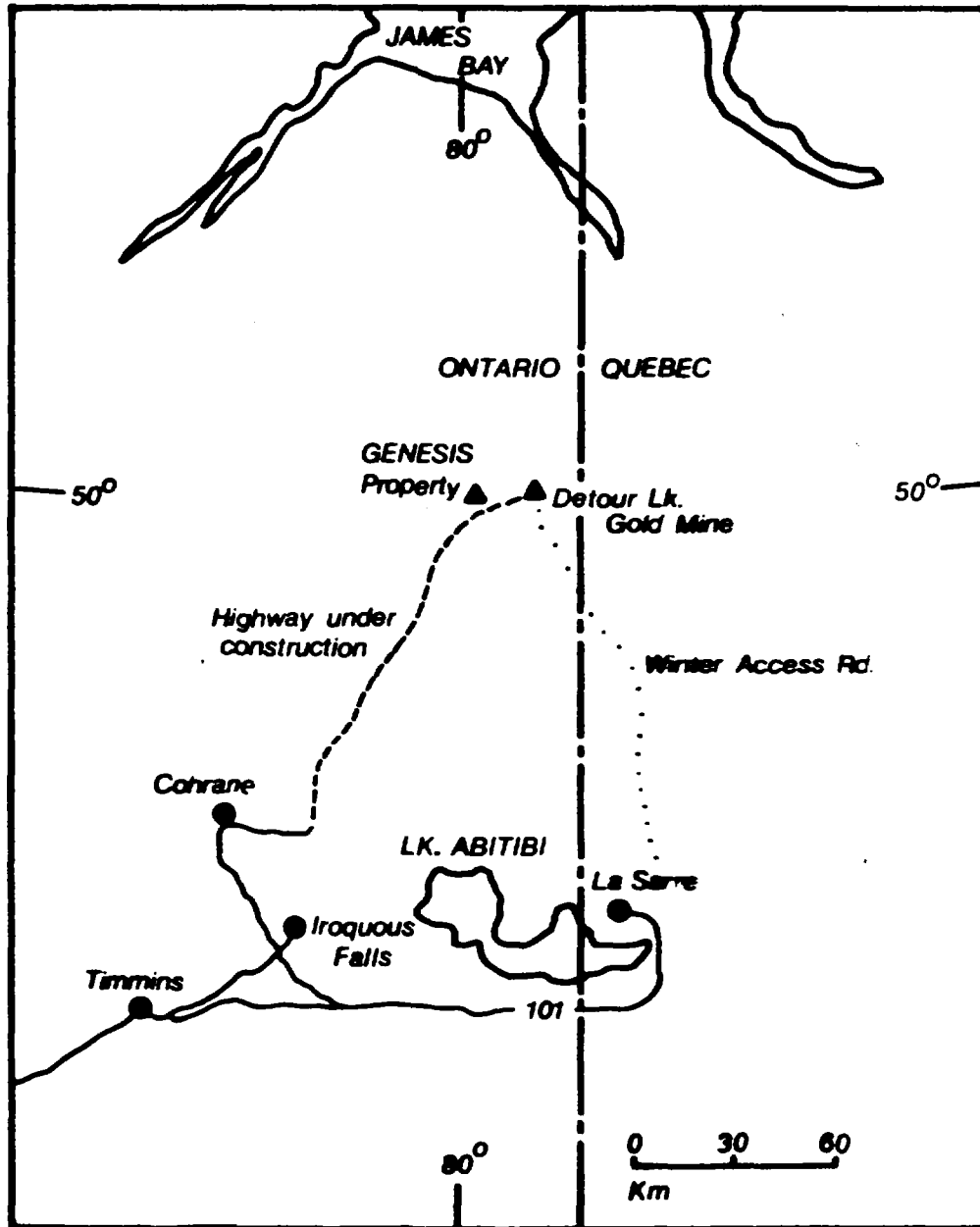
Survey techniques, results and recommendations for further exploration are discussed in the following text.

LOCATION AND ACCESS:

The property consists of nine (9) mining claims numbered 595841 to 595844 inclusive, 597073 to 597076 inclusive, and 595815. The claims are located eight (8) kilometers west of Lower Detour Lake, in the ~~DETLOUR/LAKE~~ Hopper Lake area, Porcupine Mining Division, situated approximately 140 kilometers northeast of Cochrane, Ontario and 120 kilometers north of La Sarre, Quebec.

Access to the property during the winter months is by winter road to the Detour Mine site area, and then by snowmobile to the property.

An all-weather road under construction from Cochrane to the Amoco-Campbell-Dome minesite, expected to be completed by the autumn of 1983, will provide all-year access to the general Detour Lake area.



FK1
LOCATION MAP

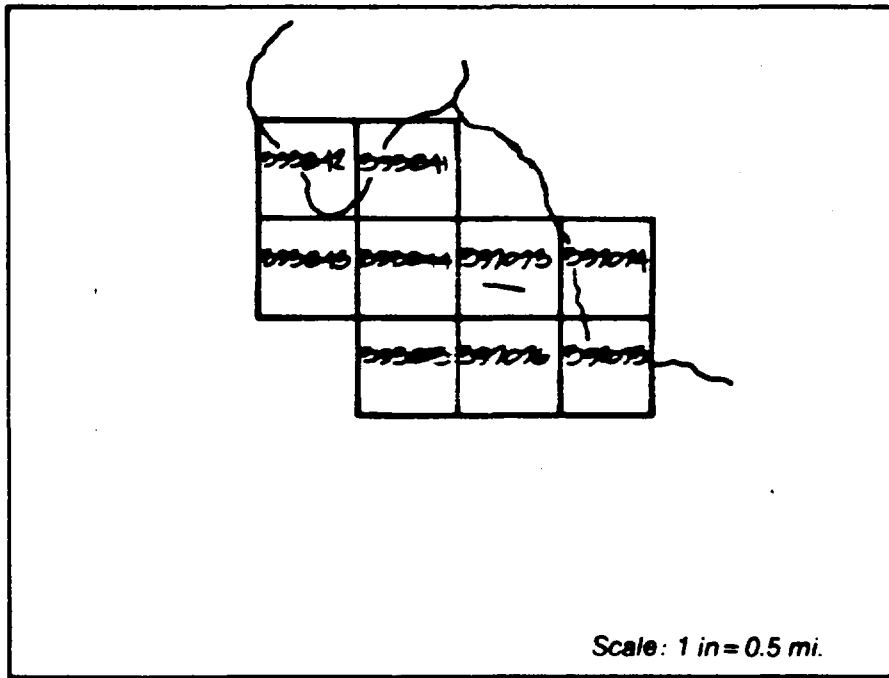


FIG. 2
INDEX MAP

SURVEY PARAMETERS:

Grid Description:

An approximate east-west baseline bisecting the Genesis Resources Corporation property was cut in the spring of 1983. Crosslines were cut on 400 feet centers along the baseline and extended to the property boundaries. Stations were located at 100 foot intervals along the crosslines.

Approximately 9.24 miles (48,800 feet) of line were cut and chained.

VLF-EM Survey:

Approximately 8.1 line-miles (42,800 feet) were surveyed with a Geonics EM-16 VLF Electromagnetic Unit at 100 foot interval stations along north-south crosslines. The transmission source was Cutler, Maine, transmitting at 17.8 KHz.

Survey results were recorded and are presented here in Fig. 3.

Proton Magnetometer Survey:

Approximately 8.1 line-miles (42,800 feet) were surveyed with a McPhar model GP-70 magnetometer to determine total magnetic field strength.

Survey results were recorded and are presented here in Fig. 4.

REGIONAL GEOLOGY

"The sequence of rocks in the Detour Lake Area consists of Pre-Cambrian mafic to felsic metavolcanics and metasediments of the Abitibi Greenstone Belt. The metavolcanics and metasediment of this area were later intruded by both felsic and mafic plutons and dykes.

The mafic metavolcanics are fine grained and have well preserved primary structures. The main lithologic types are as follows: flows, tuffs, pillow flows with auto-clastic breccia, lapilli-breccia to pyroclastic breccia and porphyritic flows.

The felsic to intermediate units are not exposed in outcrop and have been delineated using diamond drill hole logs and ODM-GSC aeromagnetic maps. Chemically all the felsic to intermediate metavolcanics are calc-alkaline rhyolites and dacites with minor tholeiitic dacite.

The clastic metasediments are found stratigraphically above the metavolcanics. Diamond drill hole logs also show that they are interbedded with metavolcanics.

The metamorphosed mafic and ultramafic intrusive rocks consist of gabbro, porphyritic gabbro and amphibolite. These occur as feeder dykes and sills. The ultramafic intrusive rocks are not exposed on the surface.

The felsic to intermediate intrusive rocks are mainly quartz monzonites that are occasionally pegmatitic.

The metavolcanic-metasedimentary rocks of the northern supracrustal belt in the Detour Lake Area lie at/ or within the nose of a fold structure which extends west from the main body of the Abitibi volcanic belt in Quebec. The northern supracrustal belt is isoclinally folded into an anticline and a series of antiforms and synforms. The emplacement of the Detour Lake diorite warped the fold axis of the and induced minor folding in the metavolcanics surrounding the body. The anticline found north of Detour and Lower Detour Lakes plunges gently to the northwest at about 45 degrees. The location of the axis of the anticline is delineated by lithologic changes found in diamond drill logs and opposing pillow tops found on the north and south limbs.

Major faults have not been proposed for the map area because the amount of outcrop is insufficient and the overburden too deep for such interpretation.

The foliation in the Detour Lake Area tends to parallel bedding and is defined by the planar orientation of platy and acicular minerals such as biotite, chlorite, muscovite and amphibole and by flattening of clasts and pillows.

The rocks in the Detour Lake Area have undergone regional and contact metamorphism, ranging from upper greenschist to almandine amphibolite facies.¹

1. Hillier, D. (1982). Geophysical Report on the Eastwest Property,

the vertical real-component, and the compensation $\pi/2$ -signal from the horizontal coil is a measure of the quadrature vertical signal.

The advantages of the VLF-EM include its relative ease and low cost of operation. Although minimal interpretation of anomaly depth, depth extent and dip angle is possible, due largely to the lack of control over the primary field direction with respect to conductor strike, the VLF system provides a usually reliable method of defining the conductor strike and extent.

The Geonics EM-16 was used in the VLF-EM survey of the Genesis Res. property of the ~~Norway/Delta~~ Hopper Lake area, specifications for which are present in Appendix I.

The transmission station used was Cutler, Maine, transmitting at 17.18 KHz.

INTERPRETATION:

VLF-EM Survey:

One major VLF-EM conductor spans the entire property, within which two predominant conductive zones are apparent, defining a general NW-SE trend.

Conductor "A" -- Located in the north-west area of the property VLF-EM conductor "A" exhibits strong positive in-phase values, asymmetrically crossing over to weak in-phase values. Although this may indicate the presence of a dipping bedrock conductor, similar conductors in neighbouring properties have proved to be the result of clay beds. Relatively weak, coinciding magnetic values may also indicate the presence of clay.

Conductor "B" -- Displays well defined cross-over points with weak to moderate in-phase response. Corresponding negative quadrature response may be indicative of a bedrock conductor. Depth is estimated at 100 to 200 feet.

Several poorly defined in-phase cross-overs are apparent in the upper north-west corner of the property north of conductor "A". However, the nature of the quadrature responses suggest an overburden source.

Proton Magnetometer Survey:

Results indicate a strong NW-SE trend, with

several magnetic anomalies demanding special attention. The magnetic background was found to be slightly in excess of 59,000 gammas.

Magnetic Anomaly "1" -- shows a strong magnetic high striking NW-SE from 5+00N on line 0 to 15+00S on line 48E. By coarse width analysis over several profiles, depth to the anomaly is estimated to range from 20 feet at line 0 to 160 feet at line 24E.

No corresponding VLF-EM conductor is evident, possibly suggesting an ultramafic dyke, or to a lesser extent, based on the nature of the anomaly, disseminated sulphides.

Magnetic Anomaly "2" -- exhibits strong magnetic response with minimal VLF-EM conductor correlation, possibly due to ultramafic intrusives, or disseminated sulphides.

Depth is estimated at 200 feet.

Magnetic Anomaly "3" -- describes a relatively large area of high magnetic readings. Again, the lack of coinciding VLF-EM conductors suggest ultramafic intrusive or disseminated sulphides.

Depth is estimated at 100 to 150 feet.

Magnetic Anomaly "4" -- is a relatively weak magnetic high, coinciding with VLF-EM conductor "A". Half-width analysis indicates a depth of approximately 125 feet.

The weak nature of the magnetic response in conjunction with the type of VLF-EM cross-over evident suggests a possible clay source.

Magnetic Anomaly "5" -- shows weak magnetic response with limited coinciding VLF-EM conductor. Depth is estimated in excess of 400 feet.

CONCLUSION & RECOMMENDATION:

The total field magnetometer survey conducted over the Genesis Resources Corporation property in the Lower Detour Lake area shows three strong magnetic anomalies (Magnetic Anomalies 1,2 & 3) with little or no corresponding VLF-EM response, suggesting areas of ultramafic intrusions and/or disseminated sulphides. These regions may be inspected further by Induced Polarization survey, a method which has proved successful in neighbouring properties.

VLF-EM survey results reveal one major conductor of relatively large extent with varying degrees of intensity. The nature of the VLF-EM profiles however, tend to indicate that conductive overburden is a contributing factor. Overburden depths of up to 150 feet are not uncommon in the Detour Lake area, and can effectively abstract VLF-EM detection of possible sulphide mineralization. Other horizontal loop EM methods, such as "Max-Min", or Pulse EM, capable of greater depth penetration may be helpful for further analysis, particularly in those areas showing corresponding magnetic highs (Magnetic Anomaly 4 & 5).

In conclusion, it is recommended that the following surveys, or variations thereof, be performed in order to properly evaluate the significance of the detected VLF-EM anomalies;

Horizontal Loop EM: Lines 8E, 12E and 24E,
station 0+00 to 20+00N
Line 32E,
Station 0+00 to 10+00N
Line 52E and 56E,
station 15+00N to 15+00S

Induced Polarization: Line 16E, Baseline to 15+00S
Line 52E, 16+00N to Baseline
Line 56E, Baseline to 14+00S

CERTIFICATE

I, Mark F. Bowman of Montreal, Quebec, hereby certify
that:

- 1) I hold a Bachelor of Science Degree in Solid Earth Geophysics from McGill University, having graduated in December 1982.
- 2) I have based conclusions and recommendations contained in this report on knowledge of the area, my previous experience, and on results of field work conducted on the property during March, 1982 and March, 1983.
- 3) I hold no interest, directly or indirectly in this property other than professional fees, nor do I expect to receive any interest in the property or in Ingamar Explorations Limited, or any of its subsidiary companies.

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AUG 16 1983

MINING LANDS SECTION



Mark F. Bowman, B.Sc.

APPENDIX I

APPENDIX I

McPHAR

GP-70 Proton Magnetometer

Measures absolute magnitude
of total magnetic field

1 gamma sensitivity.

10 scale ranges: 20,000
to 100,000 gammas

Digital readout with long life, light
emitting diodes.

Noise cancelling toroidal sensor.

Wide operating temperature range.



Model GP-70 is a reliable, light weight, proton magnetometer designed for field operation under widely varying environmental conditions. It measures the absolute magnitude of the total magnetic field within the range of 20,000 to 100,000 gammas to an absolute accuracy of ± 1 gamma and ± 15 parts per million of the field under measurement, over the

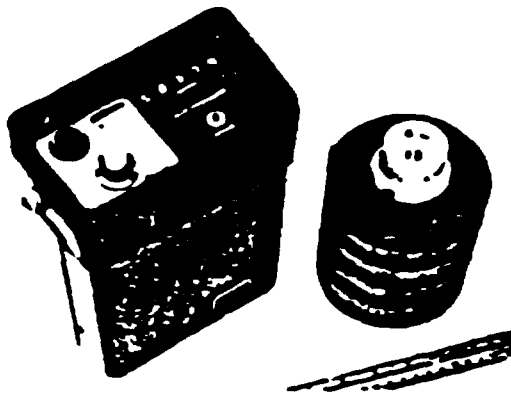
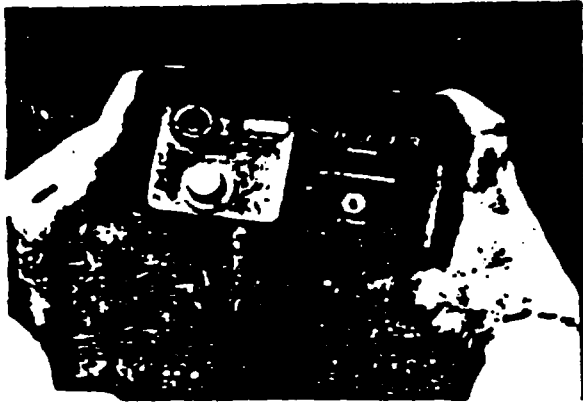
The instrument is simple to operate. A complete reading is obtained in 3.5 seconds by depressing a push button. The field intensity is read directly in gammas from a five digit display consisting of light emitting diodes. A 10 position switch sets the appropriate range.

The instrument is powered by internally

(standard) or by non-ferrous rechargeable batteries (optional). The rechargeable batteries have virtually zero magnetic effect and permit full use of the magnetometer sensitivity even with close spacing between the sensor and console.

A battery meter shows condition of batteries at all times and allows

Back packed sensor allows for hands-free operation



anticipation of when batteries should be replaced.

The GP-70 noise cancelling toroidal sensor minimizes effect of external interference from man made sources. In high electrical noise areas, further improvement in signal to noise ratio can be achieved by keeping the push

button depressed during a reading. This procedure automatically doubles the sensor polarize time, creating a higher signal output from the sensor.

Model GP-70 comes complete and ready for use with console, carrying strap, sensor, extending aluminum staff, spare batteries, instruction

manual; all in a sturdy transit case

An optional feature of the GP-70 is back pack sensor harness. This optional harness allows for a hands-free operation of the magnetometer, a major benefit in areas of rough terrain or thick vegetation

Specifications

Sensitivity: 1 gamma

Range: 20,000 to 100,000 gammas in ten switch positions.

Operating Temperature: -40° to 55° C.

Absolute Accuracy: ± 1 gamma and ± 15 parts per million of measured field over range of -30° to +50° C.

Sensor: Noise cancelling toroidal coil is electro-statically balanced to minimize interference between sensor and console.

Read Out: 3.5 seconds total - by push button. Double polarizing time by keeping button depressed.

Display: 5 digits on long life, light emitting diodes.

Electronic Circuits: Integrated circuits complying with military specifications used throughout.

Console: Sturdy aluminum housing with rubber light shield and shock guard.

Dimensions: Console - 3" x 6" x 9.5" (7.5 x 15 x 24 cm)

Sensor - 4.5" x 5" (10.5 x 12.7 cm)

Staff - 5 ft. (1.5 m) extended

2 ft (0.6 m) collapsed

Weights:

Console 3.8 lbs. (1.7 kg)

Sensor and cable 5 lbs. (2.3 kg)

Aluminum staff 1 lb. (0.45 kg)

12 Alkaline "D" cells 3 lbs (1.1 kg)

Power Supply: Standard - 12 internally mounted alkaline "D" cells provide over 10,000 readings at 25° C decreasing to approximately 1,000 readings at -30° C. Optional: Internally mounted rechargeable non-ferrous batteries and charger. Over 3,000 readings between charges.

Battery Indicator: A miniature meter monitors battery life and helps predict battery replacement time.

McPhar Instrument Corporation

Head Office:

55 Tempo Avenue,
Willowdale, Ontario, Canada M2H 2R9
Tel: (416) 497-1700 Telex: 0623541
Cable: McPHAR TOR

Sales agents in:

Africa, Asia, Australia, Europe, North & South America

Contact McPhar Instrument Corp. here for the agent in your area.

EM16

VLF Electromagnetic Unit

Pioneered and patented exclusively by Geonics Limited, the VLF method of electromagnetic surveying has been proven to be a major advance in exploration geophysical instrumentation.

Since the beginning of 1965 a large number of mining companies have found the EM16 system to meet the need for a simple, light and effective exploration tool for mining geophysics.

The VLF method uses the military and time standard VLF transmissions as primary field. Only a receiver is then used to measure the secondary fields radiating from the local conductive targets. This allows a very light, one-man instrument to do the job. Because of the almost uniform primary field, good response from deeper targets is obtained.

The EM16 system provides the *in-phase* and *quadrature* components of the secondary field with the *polarities indicated*.

Interpretation technique has been highly developed particularly to differentiate deeper targets from the many surface indications.

Principle of Operation

The VLF transmitters have vertical antennas. The magnetic signal component is then horizontal and concentric around the transmitter location.



Specifications

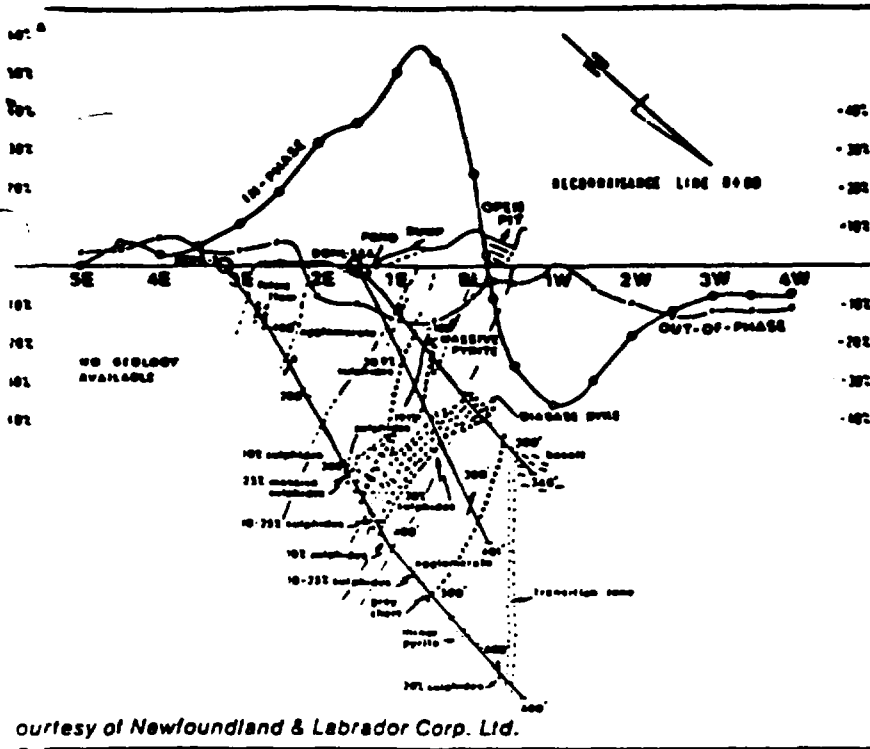
Source of primary field	VLF transmitting stations.	Reading time	10-40 seconds depending on signal strength.
Transmitting stations used	Any desired station frequency can be supplied with the instrument in the form of plug-in tuning units. Two tuning units can be plugged in at one time. A switch selects either station.	Operating temperature range	-40 to 50° C.
Operating frequency range	About 15-25 kHz.	Operating controls	ON-OFF switch, battery testing push button, station selector, switch, volume control, quadrature, dial $\pm 40\%$, inclinometer dial $\pm 150\%$
Parameters measured	(1) The vertical in-phase component (tangent of the tilt angle of the polarization ellipsoid). (2) The vertical out-of-phase (quadrature) component (the short axis of the polarization ellipsoid compared to the long axis).	Power Supply	6 size AA (penlight) alkaline cells. Life about 200 hours.
Method of reading	In-phase from a mechanical inclinometer and quadrature from a calibrated dial. Nulling by audio tone.	Dimensions	42 x 14 x 9 cm (16 x 5.5 x 3.5 in.)
Scale range	In-phase $\pm 150\%$; quadrature $\pm 40\%$.	Weight	1.6 kg (3.5 lbs.)
Readability	$\pm 1\%$.	Instrument supplied with	Monotonic speaker, carrying case, manual of operation, 3 station selector plug-in tuning units (additional frequencies are optional), set of batteries
		Shipping weight	4.5 kg (10 lbs.)



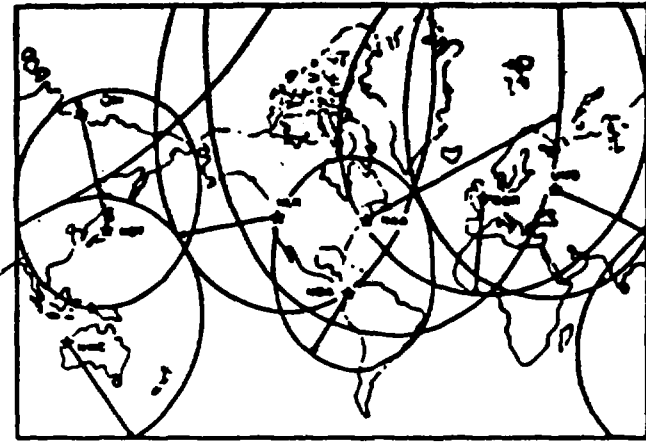
GEONICS LIMITED

Designers & manufacturers
of geophysical instruments

2 Thorncliffe Park Drive,
Toronto/Ontario/Canada
M4H 1A2



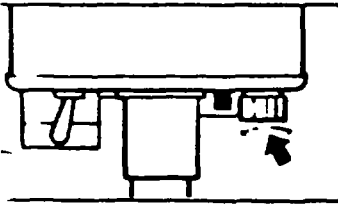
courtesy of Newfoundland & Labrador Corp. Ltd.



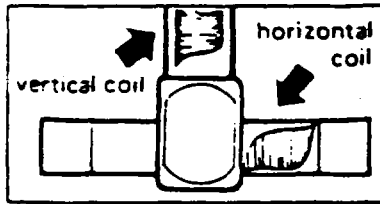
Area of VLF Signals
 Coverage shown only for well-known stations. Other reliable, fully operational stations exist. For full information regarding VLF signals in your area consult Geonics Limited. Extensive field experience has proved that the circles of coverage shown are very conservative and are actually much larger in extent.

A 16 Profile over Lockport Mine Property, Newfoundland

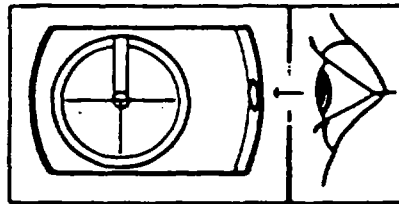
ditional case histories on request.



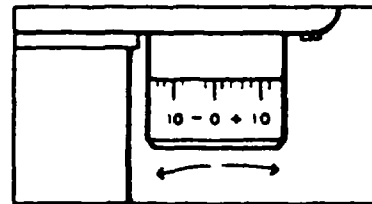
Station Selector
 Tuning units can be plugged in one time. A switch selects the station.



Receiving Coils
 Vertical receiving coil circuit in instrument picks up any vertical signal present. Horizontal receiving coil circuit, after automatic 90° signal phase shift, feeds signal into quadrature dial in series with the receiving coil.



In-Phase Dial
 Shows the tilt-angle of the instrument for minimum signal. This angle is the measure of the vertical in-phase signal expressed in percentage when compared to the horizontal field.



Quadrature Dial
 is calibrated in percentage markings and nulls the vertical quadrature signal in the vertical coil circuit.

selecting a suitable transmitter station as a source, the A 16 user can survey with the most suitable primary field method.

The EM 16 has two receiving coils, one for the pick-up of the horizontal (primary) field and the other for detecting any anomalous vertical secondary field. The coils are thus orthogonal and are mounted inside the instrument "handle".

The actual measurement is done by first tilting the coil assembly to minimize the signal in the vertical (signal) coil and then further sharpening the null by using the reference signal to "kick out" the remaining signal. This is done by a calibrated "quadrature" dial.

The tangent of the tilt angle is the measure of the vertical in-phase component and the quadrature reading is the signal at right angles to the total field. All readings are obtained in percentages and do not depend on the absolute amplitude of the primary signals present.

The "null" condition of the measurement is detected by the drop in the audio signal emitted from the patented resonance loudspeaker. A jack is provided for those preferring the use of an earphone instead.

The power for the instrument is from 6 penlight cells. A battery tester is provided.



Ministry of
Natural
Resources
Ontario

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

**GENESIS



32E13NW0011 2.5579 HOPPER LAKE

900

The No. _____

Type of Survey(s) LINES, MAGNETOMETER AND EM-16		Township or Area HOPPER LAKE	
Claim Holder(s) INGAMAR EXPLORATIONS LIMITED		Proprietary Licence No. T-836	
Address CEDAR HILL, CONNAUGHT, ONT. PON 1A0			
Survey Company INGAMAR EXPLORATIONS LIMITED		Date of Survey (from & to) 15 03 83 03 05 83 Day Mo. Yr. Day Mo. Yr.	Total Miles of line Cut 924 miles
Name and Address of Author (of Geo-Technical report) MARK BOWMAN, GEN DEL. CONNAUGHT, ONT. PON 1A0			

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

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
P	595815				
	595841				
	595842				
	595843				
	595844				
	597073				
	597074				
	597075				
	597076				

RECEIVED

DEC 7 1983

MINING LANDS SECTION

RECORDED
DEC 2 1983
RECEIVED NO. 01

Expenditures (excludes power & shipping)

Type of Work Performed

Performed on Claim(s)

RECEIVED
DEC - 2 1983
A.M. P.M.
7 8 9 10 11 12 1 2 3 4 5 6

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.

Date: Nov. 21, 1983
Received by Holder or Agent (Signature): *[Signature]*

For Office Use Only

Total Days Cr. Recorded: 540
Date Recorded: Dec 2/83
Date Approved as Recorded: 83.12.08

Mining Recorder: *[Signature]*
Mining Recorder: *[Signature]*

Total number of mining claims covered by this report of work. **9**

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
MAURICE HIBBARD
CEDAR HILL, CONNAUGHT, ONT. PON 1A0

Date Certified: Nov. 21, 1983
Certified by (Signature): *[Signature]*

2.5579

1983 11 08

2.5579

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Geophysical (Electromagnetic and Magnetometer)
Survey submitted on mining claims P 595841
et al in the Hopper Lake Area

The Geophysical (Electromagnetic and Magnetometer) Survey
assessment work credits as shown on the attached statement
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 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416) 965-1380

R. Pichette:mc

cc: Ingamar Explorations Ltd
Cedar Hill
Connaught, Ontario
PON 1A0

cc: Resident Geologist
Timmins, Ontario

**Technical Assessment
Work Credits**

File 2.5579

Date 1983 11 08 Mining Recorder's Report of Work No.

NO REPORT OF WORK WAS FILED

Recorded Holder	GENESIS RESOURCES CORPORATION
Township or Area	HOPPER LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ 20 days Magnetometer _____ 20 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 595841 to 44 inclusive 597073 to 76 inclusive 595815

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:

September 15, 1983

2.5579

Ingamar Explorations Ltd
Cedar Hill
Connaught, Ontario
PON 1A0

Dear Sirs:

RE: Geophysical (Electromagnetic and Magnetometer)
Survey submitted on Mining Claims P 595815 et al
in the Area of Lower Detour Lake

Enclosed are the plans, in duplicate, for the above-mentioned survey. Please have the author of the report date and sign each map and return them to this office.

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
Phone:(416)965-1380

R. Pichette:mc

Encl.

cc: Mining Recorder
Timmins, Ontario

Mining Lands Comments

- maps not signed

To: Geophysics MR. BARLOW

Comments

Approved Wish to see again with corrections Date Sept 1/83 Signature [Signature]

To: Geology - Expenditures

Comments

Approved Wish to see again with corrections Date Signature

To: Geochemistry

Comments

LD

Approved Wish to see again with corrections Date Signature

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1983 06 02

2.5579

Mr. William L. Good
Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
TIMMINS, Ontario
P4N 2S7

Dear Sir:

We have received reports and maps for a Geophysical (Electro-magnetic and Magnetometer) survey submitted under Special Provisions (credit for Performance and Coverage) on mining claims P.595815 et al in the Area of Lower Detour Lake.

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

We do not have a copy of the report of work which is normally filed with you prior to the submission of this technical data. Please forward a copy as soon as possible.

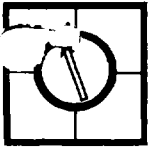
Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M4A 1W3
Phone 416/965-1380

A.Barr:eib

cc: Ingamar Explorations Limited
Cedar Hill
Connaught, Ontario
P0N 1A0



INGAMAR EXPLORATIONS LIMITED

CEDAR HILL CONNAUGHT, ONTARIO P0N 1A0
TEL. (705) 433-3551 or (705) 264-3100
TELEX 067-81502

25579

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AUG 16 1983

MINING LANDS SECTION

Ministry of Natural Resources
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3

ATTENTION:

MR. E.F. ANDERSON, Director
Land Management Branch

SUBJECT

GENESIS OPTION - Hopper Lake Area
9 mining claims number 595841 to 595844
inclusive, 597073 to 597076 inclusive
and 595815

Dear Sir:

On May 19, 1983, I mailed you two copies of the Geophysical Report on the above property.

There was an error on the "location" in the report. I am enclosing a corrected copy. The area should have read Hopper Lake not Lower Detour.

Sorry for any inconvenience. Thank you.

Sincerely,
INGAMAR EXPLORATIONS LIMITED

Irma Hibbard
Irma Hibbard, Vice-president
Enc.

IH/ab

RECEIVED	
Land Management Branch	
CIRCULATE	<input type="checkbox"/>
COMMENTS PLEASE	<input type="checkbox"/>
BY	
AUG 16 1983	
E. F. ANDERSON	
J. R. MORTON	<input checked="" type="checkbox"/>
J. C. SMITH	
G. SHERMAN	
J. M. SMALL	
RETURN TO R. 6450	



INGAMAR EXPLORATIONS LIMITED

CEDAR HILL CONNAUGHT, ONTARIO P0N 1A0

TEL. (705) 433-3551 or (705) 264-3100

TELEX 067-81502

May 19, 1983

RECEIVED

MAY 26 1983

MINING LANDS SECTION

Ministry of Natural Resources
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3

ATTENTION: MR. E.F. ANDERSON, Director
Land Management Branch

SUBJECT: GENESIS OPTION -Lower Detour Lake area
9 mining claims number 595841 to 595844 inclusive
597073 to 597076, inclusive and 595815

Dear Sir:

Enclosed please find two copies of Geophysical Report on the above property.

Also enclosed is a copy of "Report of Work".

Thank you.

Sincerely,
INGAMAR EXPLORATIONS LIMITED

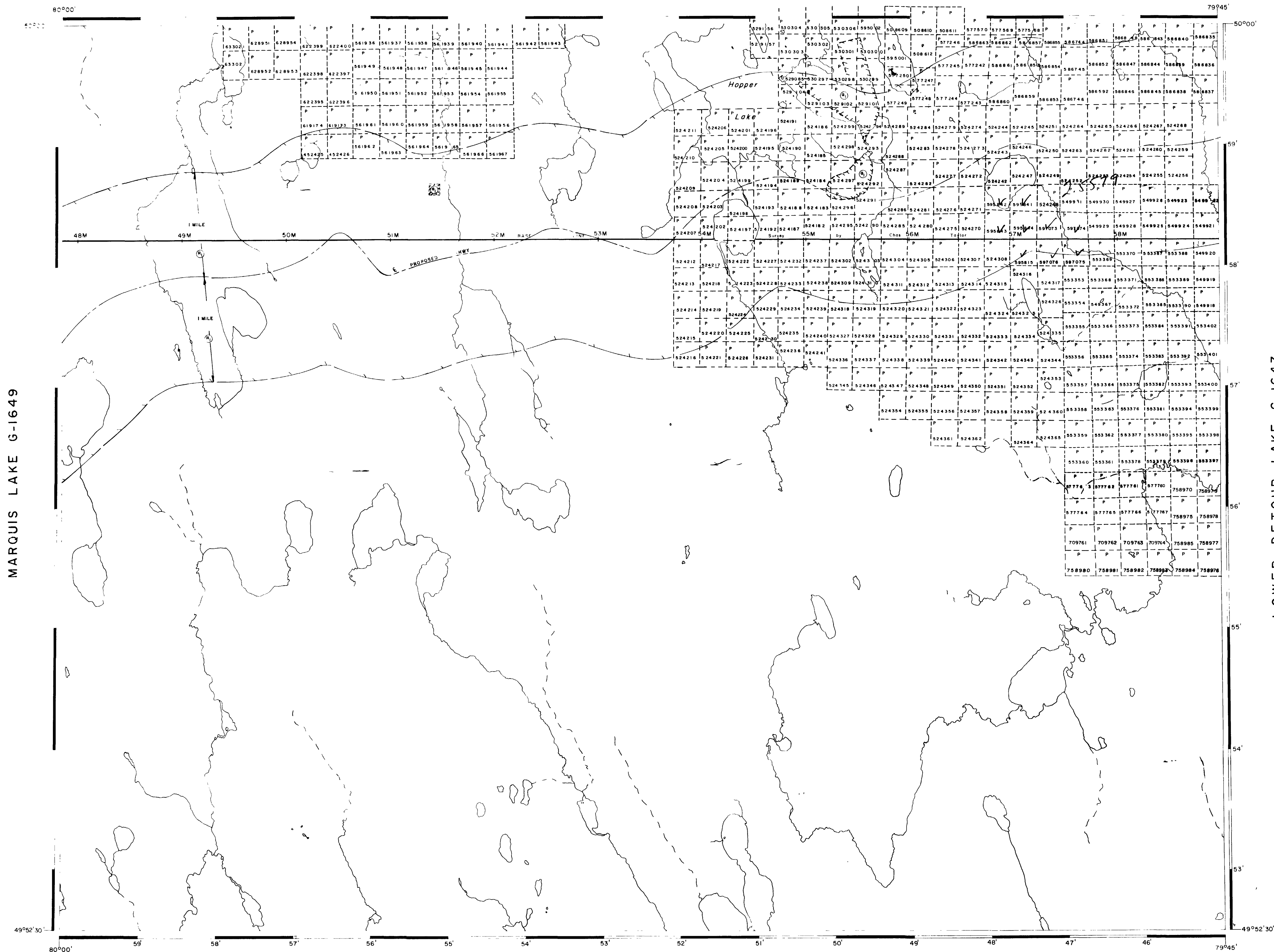
Maurice Hibbard, President

Per:

A.E. Bonk
A.E. Bonk, Bookkeeper

Enc.

WEST OF SUNDAY LAKE G-1680



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
(N)	NR W 1/81	15/1/81	SR	18851

SAND AND GRAVEL

- (Q) QUARRY PERMIT

LEGEND

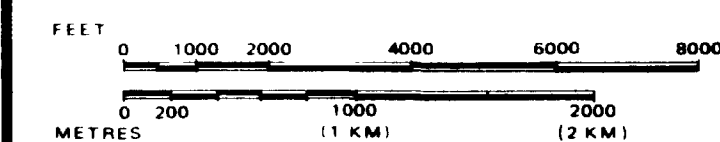
- HIGHWAY AND ROUTE No
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIPS, BASE LINES, ETC
- LOTS, MINING CLAIMS PARCELS ETC
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION 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

SCALE 1 INCH = 40 CHAINS



AREA

HOPPER LAKE

M.N.R ADMINISTRATIVE DISTRICT

COCHRANE

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE



Date DECEMBER 1982

Number

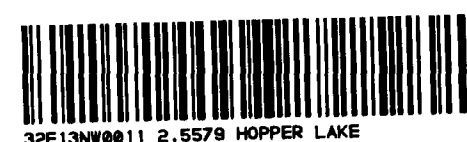
G-1636

LOWER DETOUR LAKE G-1647

MARQUIS LAKE G-1649

LITTLE DETOUR LAKE G-1645

498794



32E13N0011 2,5579 HOPPER LAKE

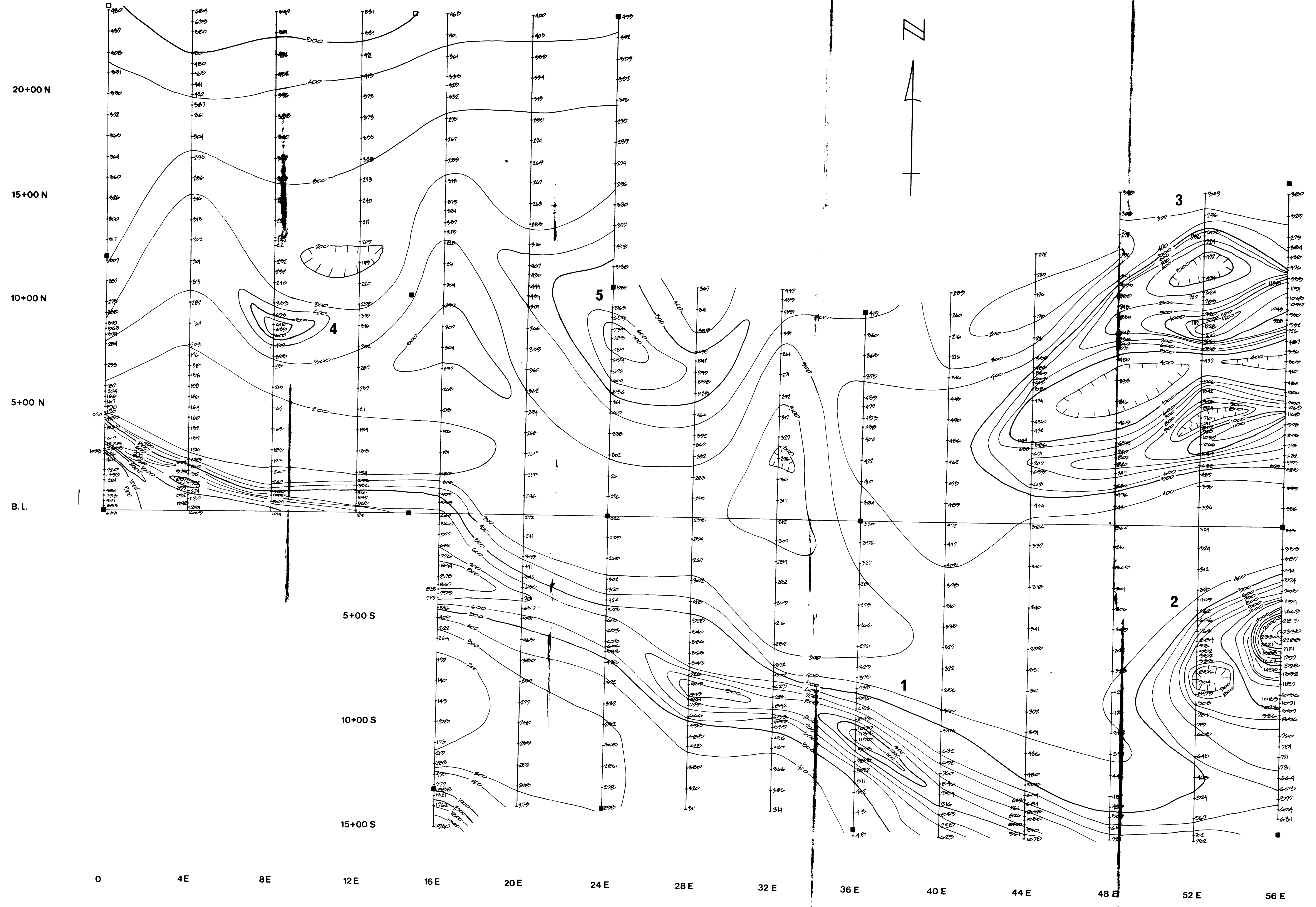
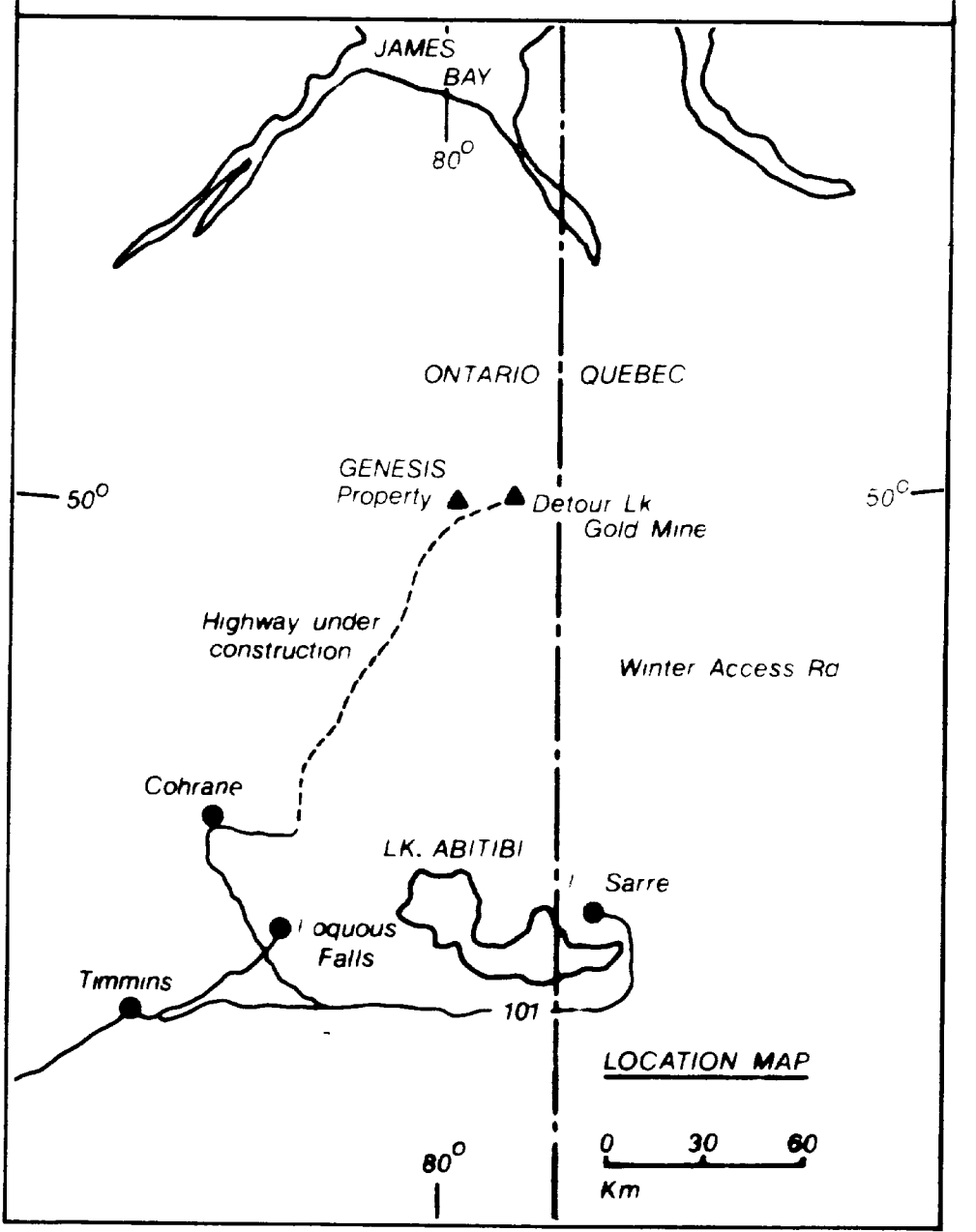
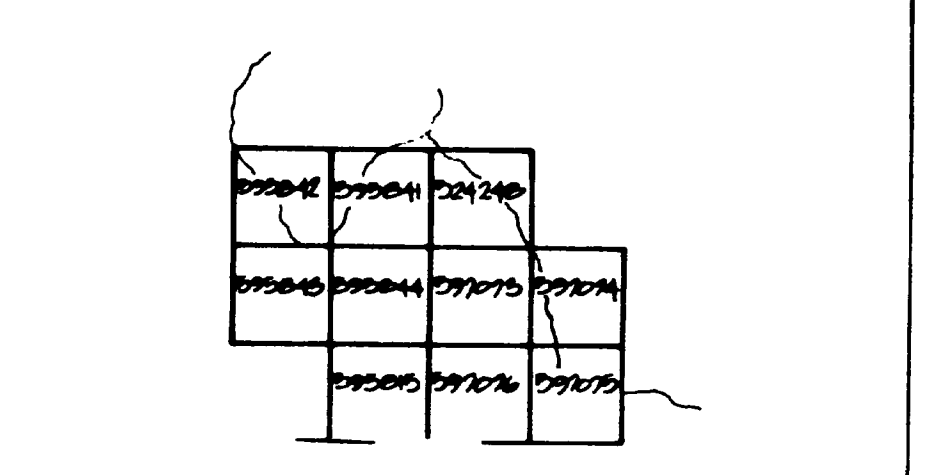
2.5579 *[Handwritten Signature]*
 2 p 19/83

GENESIS RESOURCES CORP.

TTL FIELD MAGNETOMETER SURVEY

Legend:

- MAGNETIC DEPRESSION
- CONTOUR INTERVAL: 100 GAMMADS
- NE. ADD 50,000 G TO EACH READING
- WITHERED POST
- CLAIM POST
- SCALE: 1" = 200 FT
- DETAILED EX. 110
- MAR, 1983



W. S. ...
 2/11/83

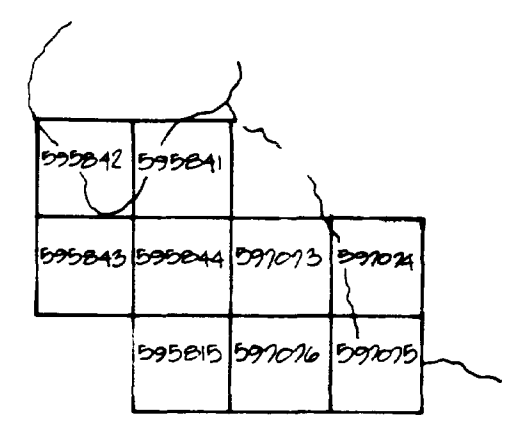
GENESIS RESOURCES CORP.

2 5579
 VLF-EM SURVEY

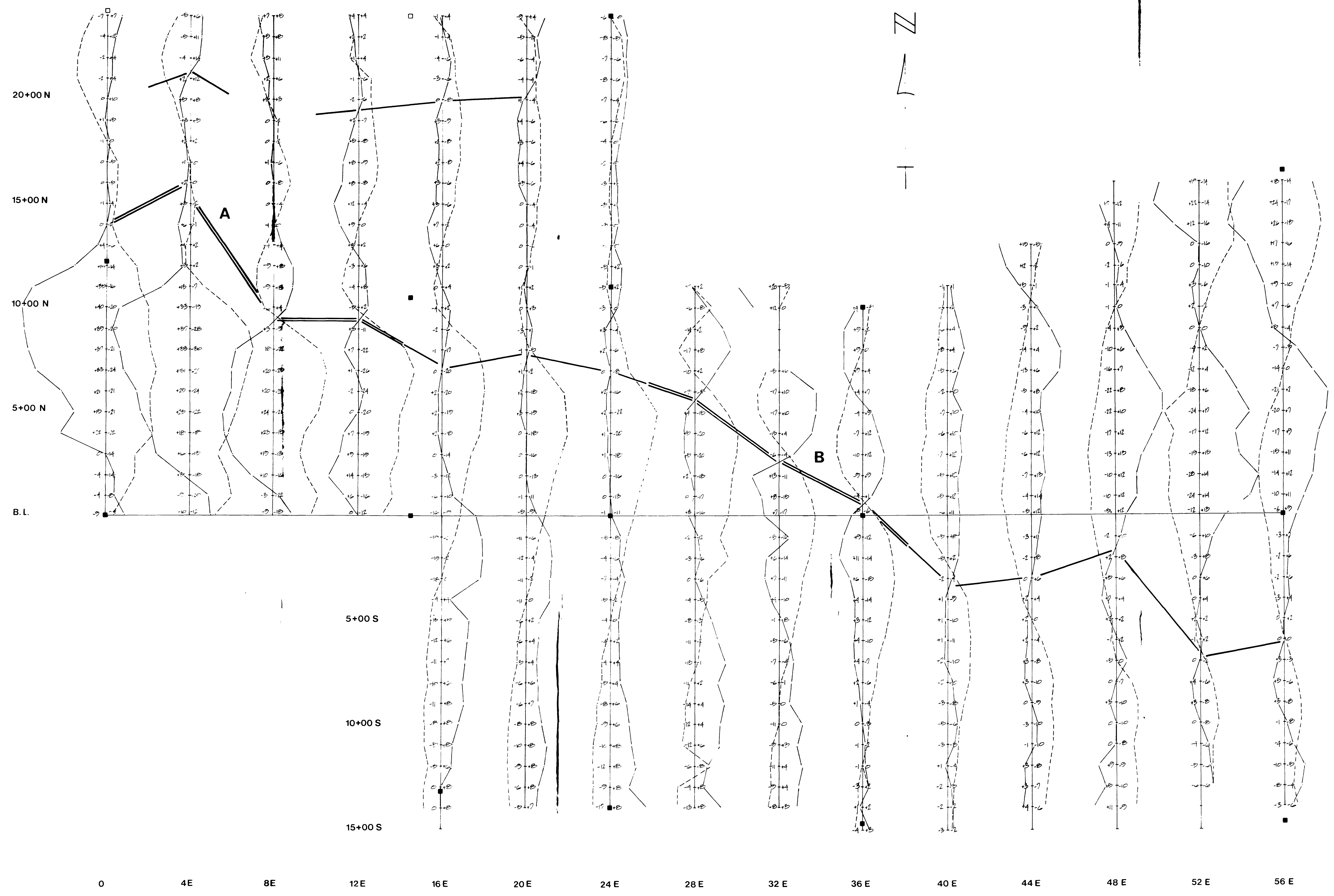
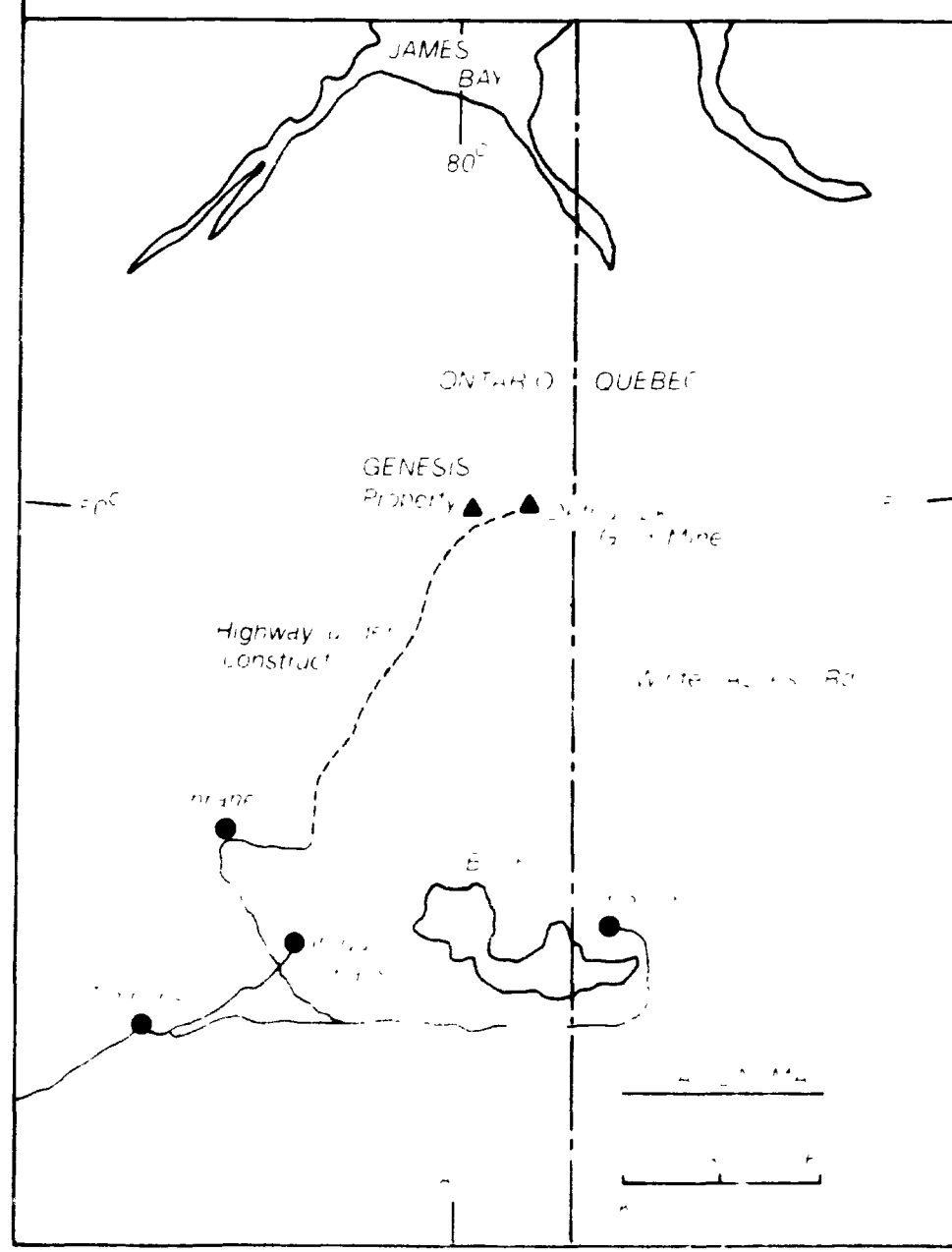
Legend:

- IN PHASE
- ANOMALY
- == STRONG ANOMALY
- == WEAK ANOMALY
- 1:50,000 SCALE

SCALE: 1 in = 200 ft
 DRAWN BY: TD KSA, 1983



CLAIM MAP
 Scale 1 in = 0.5 mi



W. S. ...

