

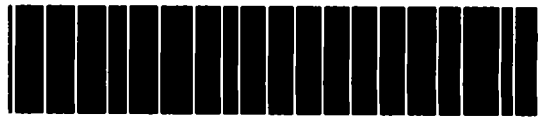
42A05NE0070 2.15431 BRISTOL

010

**GEOPHYSICAL REPORT**  
**ON A MAGNETOMETER SURVEY**  
**FOR**  
**BAND-ORE RESOURCES LTD.**  
**ON CLAIM #1177822**  
**"THUNDER CREEK PROPERTY"**  
**BRISTOL TWP.**  
**PORCUPINE MINING DIVISION, ONTARIO**

Submitted By: R.J. Meikle  
Rayan Exploration Ltd.  
March, 1994

**2.15431**



42A05NE0070 2.15431 BRISTOL

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## INTRODUCTION

This report deals with the parameters and results of a magnetometer survey conducted on one unpatented mining claim in Bristol Township, Porcupine Mining Division, Ontario.

The survey was carried out on a contract basis by Rayan Exploration Ltd., for Band-Ore Resources Ltd., in March, 1994. A total of 1.5 km of hip chain, flagged grid was established with a Baseline direction of 090 degrees TN and cross-lines every 100m at 180 degrees. Stations were marked every 25 metres.

This report describes the general geology of the area, previous work done, survey parameters used in the current Magnetometer Survey and results of the survey.

The purpose of the survey was to obtain a magnetic susceptibility map of the property in order to attempt to define the assumed geology. The results of this survey will be combined with all previous geological/geophysical data and will aid in the design of a more comprehensive work program.

## LOCATION AND ACCESS

The property consists of 1 unpatented mining claim in SW Bristol Township, Porcupine Mining Division, Ontario. The claim is part of a larger claim group known as the Band-Ore Resources Ltd. "Thunder Creek Property". The property is situated approximately 22 km. southwest from the city of Timmins, Ontario. Access to the property during the survey period was by taking Hwy 101 west from Timmins for 20 km., to the junction of Hwy 144, south on Hwy 144 for approximately .7 km. The claim lies approximately .6 km east of the highway. Claim lines can be followed to the grid or alternately, an old logging road runs from the highway past the NE corner of the claim.(see fig. 1,2).

## PERSONNEL

The people directly involved with this program are listed below. Work was performed on March 25,1994.

R. J. Meikle .....Timmins

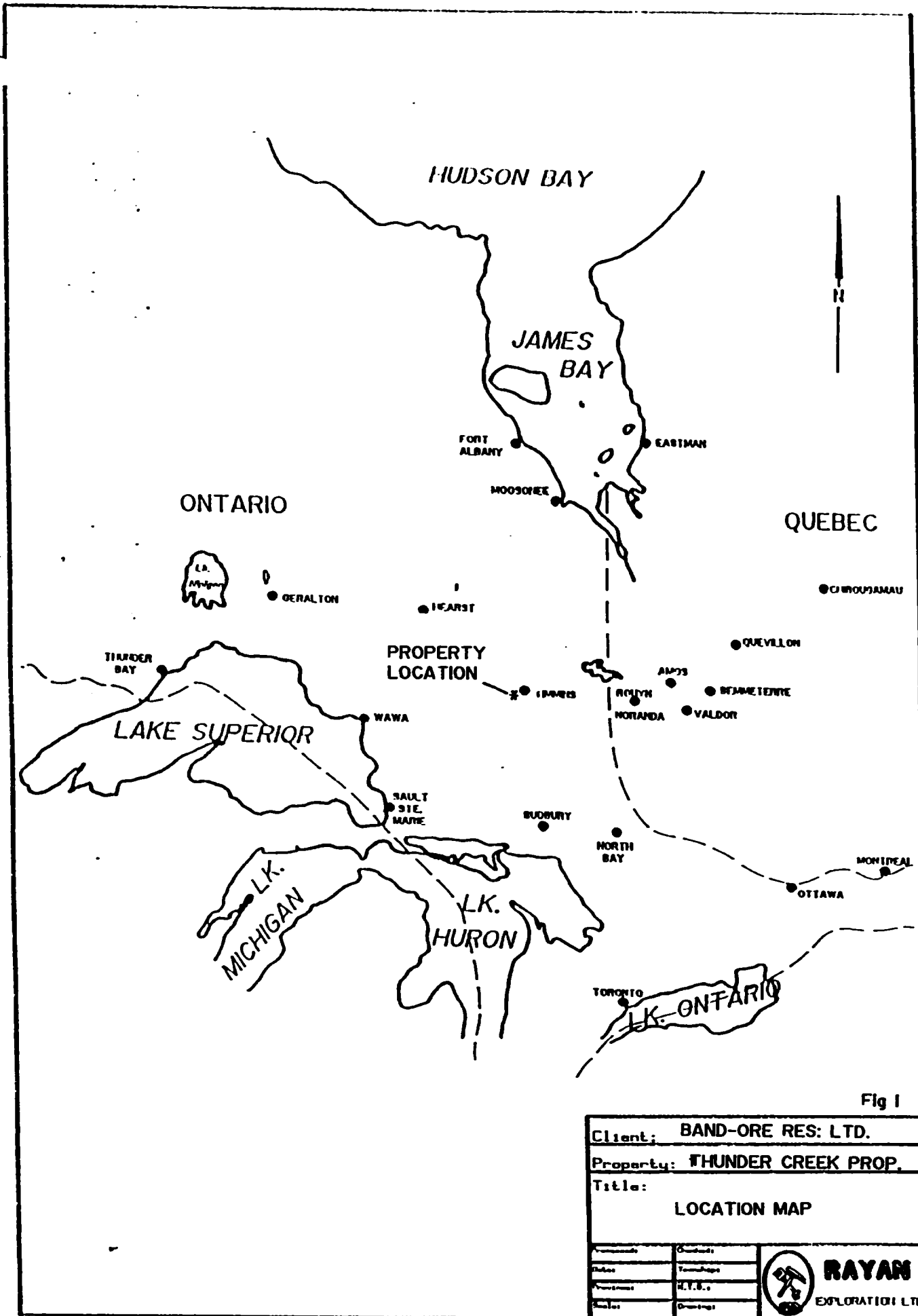


Fig 1

Client: BAND-ORE RES: LTD.	
Property: THUNDER CREEK PROP.	
Title: LOCATION MAP	
Prepared by:	Checked by:
Dated:	Yours Truly:
Project No.:	R.T.S.:
Scale:	Drawn by:



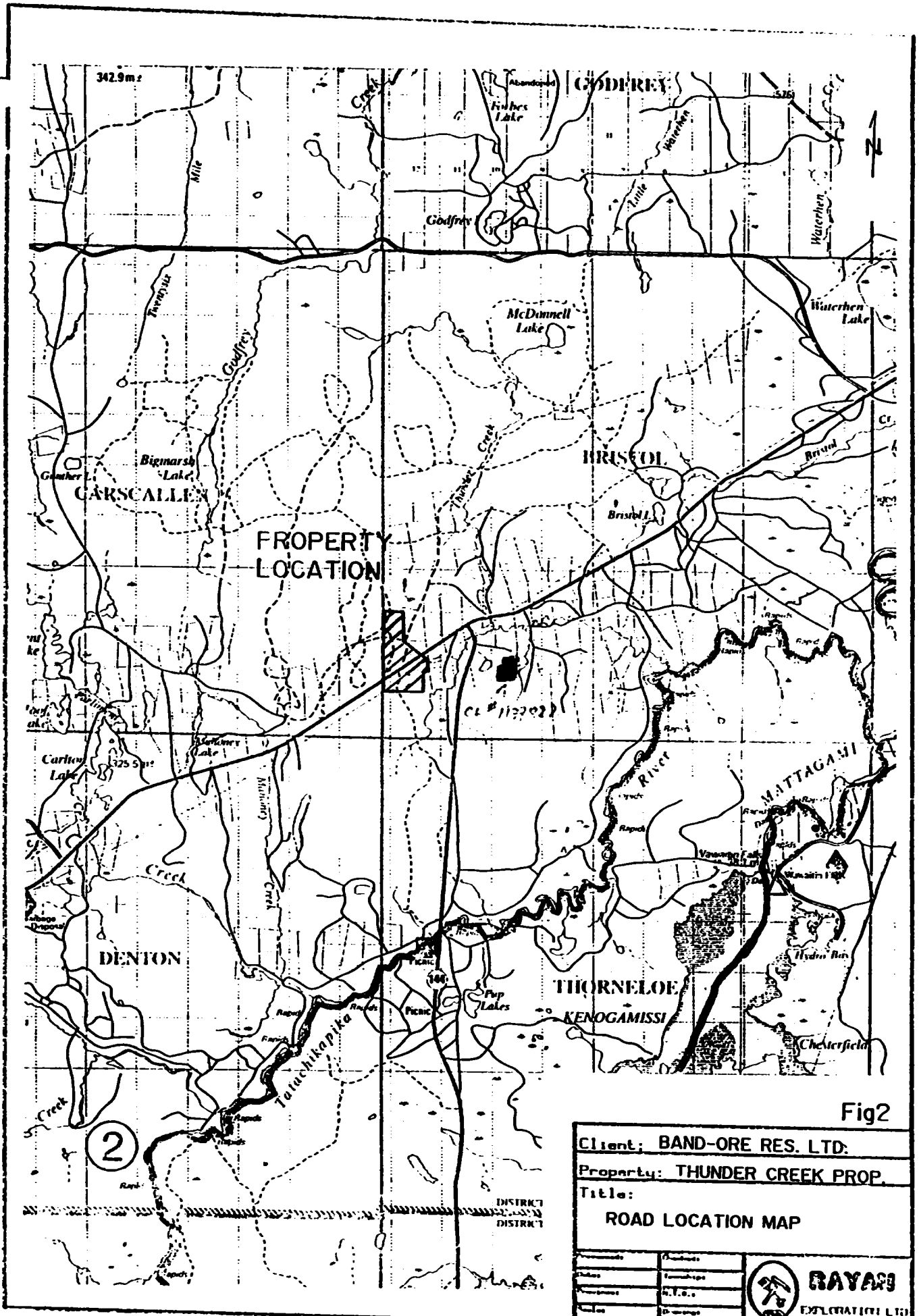


Fig2

Client: BAND-ORE RES. LTD.	
Property: THUNDER CREEK PROP.	
Title: ROAD LOCATION MAP	
Drawn by	Checked by
Scale	Form/Map
Comments	N.T.O.
Date	Discipline



**CLAIM STATUS**

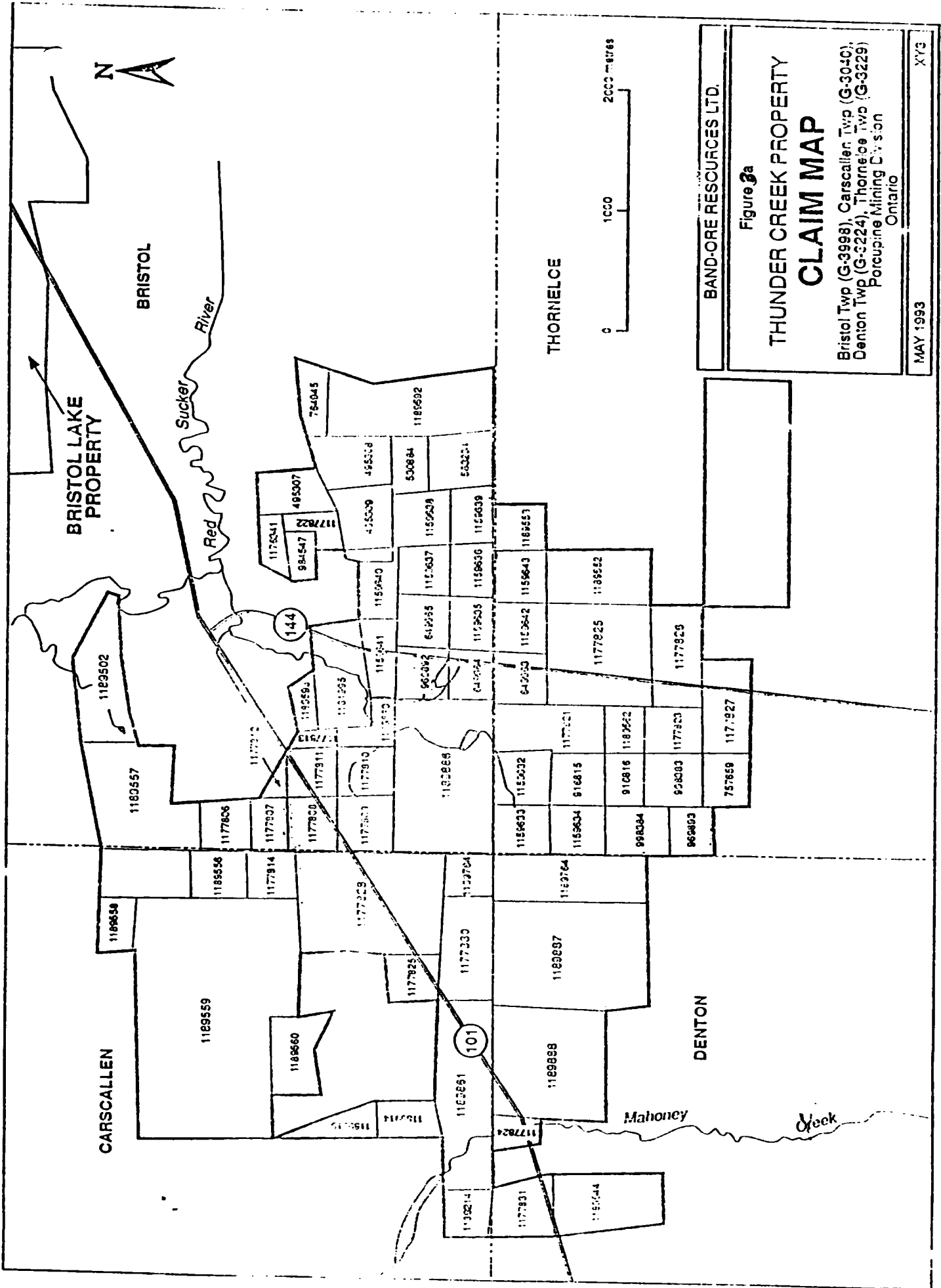
The current work program described in this report was done on a one claim(1 unit), which are part of a larger group of 73 claims(137 units), called the "Thunder Creek Property" in Carscallen Township, G3040 and Bristol Townships, G3998, Porcupine Mining Division, Ontario. The claims are situated on NTS map 42A/6 (see fig. 4).

It is the writer's understanding that the claims are registered in the name of James Croxall, Timmins, Ontario, and are part of a current option agreement with Band-Ore Resources Ltd. Accurate legal status is beyond the scope of this report.

The claims covered in part or in whole by the current survey are as follows:

<u>TOWNSHIP</u>	<u>CLAIM NO.</u>	<u># OF UNITS</u>	<u>EXP. DATE</u>	<u>EXTENDED TO</u>
Bristol	1177822	1	10/04/93	31/03/94

**TOTAL = 1 CLAIMS (1 UNITS)**



BAND-ORE RESOURCES LTD.

Figure 3a

## THUNDER CREEK PROPERTY CLAIM MAP

Bristol Twp (G-3998), Carscallen Twp (G-3040),  
 Denton Twp (G-3224), Thorneilce Twp (G-3229)  
 Porcupine Mining Division  
 Ontario

MAY 1993

XY3



## REGIONAL GEOLOGY

The property lies at the western edge of the Abitibi Greenstone Belt of Precambrian rocks consisting of mafic to felsic volcanics with related volcanic sediments and felsic to ultramafic intrusives. (see fig

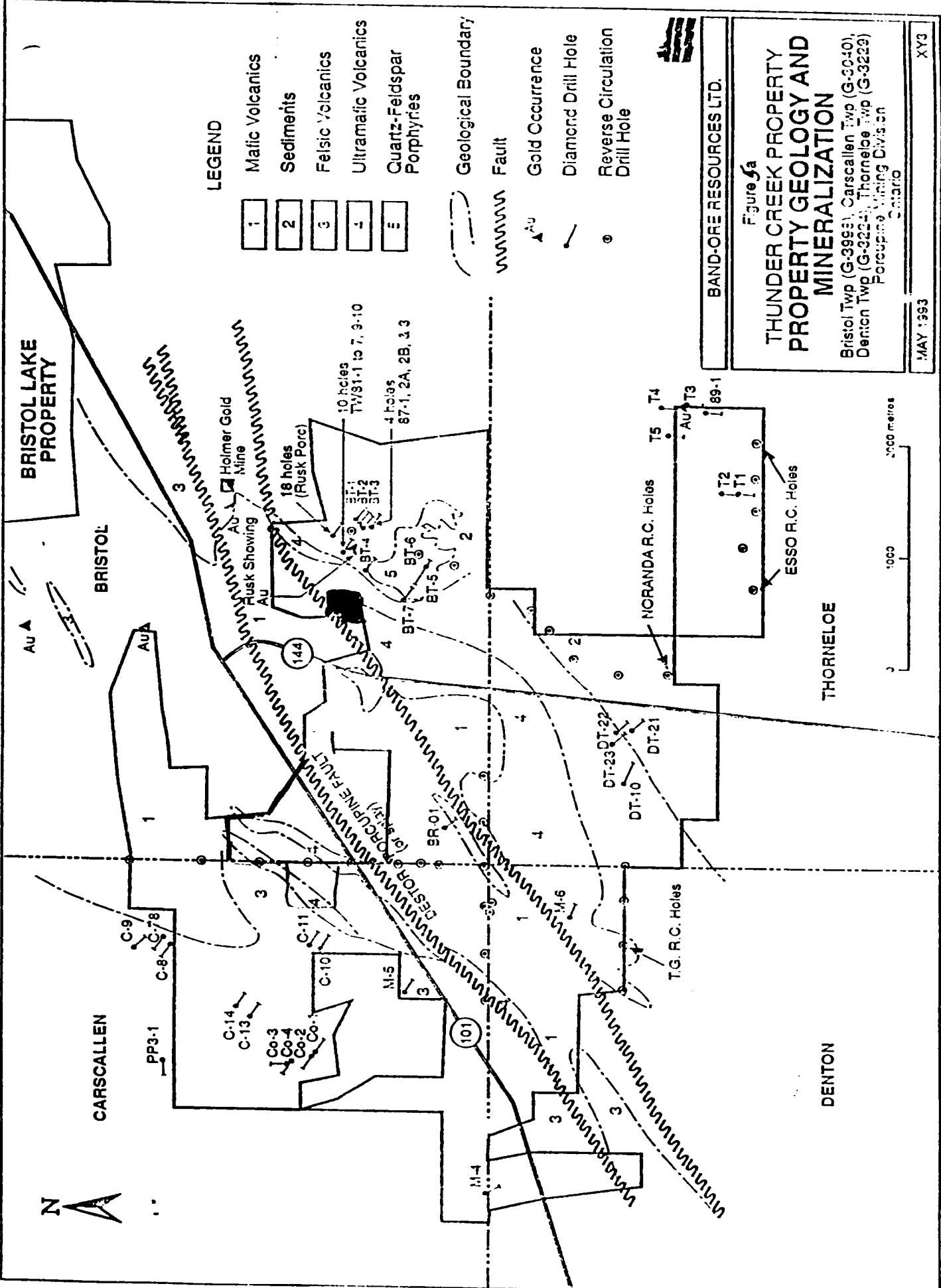
The Destor Porcupine Fault is interpreted to run SW through the NW part of the claim covered by this report. This is a major structural break which most of the gold deposits in the Porcupine Camp are related to.

## PROPERTY GEOLOGY

The property is believed to be underlain by Mafic Volcanics with an Ultramafic unit running NE-SW through the center of the claim group and a parallel one through the NW corner (see fig.5). The SE edge of the Porcupine Destor Fault Zone is interpreted to run through the NW part of the claim.

Locally, on claim #1177822, subject of this report, there is reported to be a sequence of Mafic Volcanics, Ultramafics, and Sediments, with a feldspar porphyry also present. The Timmins-Kirkland Lake Geological Map #2205 shows a NE trending contact between the mafic volcanics to the west and sediments to the east.





**LEGEND**

- 1 Mafic Volcanics
- 2 Sediments
- 3 Felsic Volcanics
- 4 Ultramafic Volcanics
- 5 Quartz-Feldspar Porphyries
- Geological Boundary
- Fault
- Gold Occurrence
- Diamond Drill Hole
- Reverse Circulation Drill Hole

**BAND-ORE RESOURCES LTD.**

**Figure 1a**

**THUNDER CREEK PROPERTY AND PROPERTY GEOLOGY AND MINERALIZATION**

Bristol Twp (G-3993), Carscallen Twp (G-60-10), Denton Twp (G-322-1), Thorneloe Twp (G-322-9)  
 Porcupine Mining Division  
 Ontario

MAY 1993

XY3



BRISTOL LAKE PROPERTY

CARSCALLEN

BRISTOL

THORNELOE

DENTON

Holmer Gold Mine

Rusk Showing

18 holes (Rusk Porc)

10 holes TV/ST-1 to 7, 9-10

4 holes 87-1, 2A, 2B, 3, 3

NCRANDA R.C. Holes

T.G. R.C. Holes

ESSO R.C. Holes

Au

Au

T4

T5

T3

89-1

T4

T5

T3

89-1

DT-23

DT-22

DT-10

DT-21

PP3-1

C-8

C-78

C-14

C-13

Co-3

Co-4

Co-2

Co-1

C-10

M-5

M-4

DT-23

DT-22

DT-10

DT-21

PP3-1

C-8

C-78

C-14

C-13

Co-3

Co-4

Co-2

Co-1

C-10

M-5

M-4

DT-23

DT-22

DT-10

DT-21

PP3-1

C-8

C-78

C-14

C-13

Co-3

Co-4

Co-2

Co-1

C-10

M-5

M-4

DT-23

DT-22

DT-10

DT-21

PP3-1

C-8

C-78

C-14

C-13

Co-3

Co-4

Co-2

Co-1

C-10

M-5

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DT-23

DT-22

DT-10

DT-21

PP3-1

C-8

C-78

C-14

C-13

Co-3

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Co-2

Co-1

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M-4

DT-23

DT-22

DT-10

DT-21

PP3-1

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PP3-1

C-8

C-78

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M-4

DT-23

DT-22

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DT-21

PP3-1

C-8

C-78

C-14

C-13

Co-3

Co-4

Co-2

Co-1

C-10

M-5

M-4

DT-23

DT-22

DT-10

DT-21

PP3-1

C-8

C-78

C-14

C-13

Co-3

Co-4

Co-2

Co-1

C-10

M-5

M-4

DT-23

DT-22

DT-10

DT-21

PP3-1

C-8

C-78

C-14

C-13

Co-3

Co-4

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C-10

M-5

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DT-23

DT-22

DT-10

DT-21

PP3-1

C-8

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C-14

C-13

Co-3

Co-4

Co-2

Co-1

C-10

M-5

M-4

DT-23

DT-22

DT-10

DT-21

PP3-1

C-8

C-78

C-14

C-13

Co-3

Co-4

Co-2

Co-1

C-10

M-5

M-4

DT-23

DT-22

DT-10

DT-21

PP3-1

C-8

C-78

C-14

C-13

Co-3

Co-4

Co-2

Co-1

C-10

M-5

M-4

DT-23

DT-22

DT-10

DT-21

PP3-1

C-8

C-78

C-14

C-13

Co-3

Co-4

Co-2

Co-1

C-10

M-5

M-4

DT-23

DT-22

DT-10

DT-21

PP3-1

C-8

C-78

C-14

C-13

Co-3

Co-4

Co-2

Co-1

C-10

M-5

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DT-23

DT-22

DT-10

DT-21

PP3-1

C-8

C-78

C-14

C-13

Co-3

Co-4

Co-2

Co-1

C-10

M-5

M-4

DT-23

DT-22

DT-10

DT-21

PP3-1

C-8

C-78

C-14

C-13

Co-3

Co-4

Co-2

Co-1

C-10

## PREVIOUS WORK

While there has been extensive work done in the immediate vicinity of the claim group, there appears to be very little done on the 1 claim covered by this report.

Texas Gulf Inc., flew an airborne EM/Mag Survey, conducted geological mapping, ground magnetic and EM surveys, drilled a series of reverse circulation holes along the north-south boundary between Carscallen Township and Bristol Township. No assays were filed from the RC drilling.

Parts or all of the claim have been covered by Magnetic, VLF, and HLEM surveys by Hollinger Mines, 1959-1962, and Texas Gulf, 1981-1985.

The "Rusk Showing" is located approximately 1 claim SE of the current grid. This showing had a total of 18 holes drilled in 1942 by Rusk Porcupine Mines Ltd., who reported several surface trench samples of greater than .2 oz/ton Au over 2-4 feet. No drill results were reported.

## **SURVEY PARAMETERS**

### **MAGNETOMETER SURVEY**

An EDA Omni Plus Proton Precession magnetometer was used to carry out the magnetometer survey. The instrument is synchronized with an EDA recording base station to help eliminate magnetic diurnal variation. This should ensure an accuracy of less than 10 Nt. The Proton Precession method involves energizing a wire coil immersed in a hydrocarbon fluid. This causes the protons in the proton rich fluid to spin or precess simulating spinning magnetic dipoles. When the current is removed the protons precess about the direction of the earth's magnetic field, generating a signal in the same coil which is proportional to the total magnetic field intensity. In this way, the horizontal gradient of the earth's magnetic field can be measured and plotted in plan form with values of equal intensity joined to form a contour map. This presentation is useful in correlating with other data sets to aid in structural interpretation. Individual magnetic responses can be interpreted for dip, depth and width estimates after profiling the data.

The following parameters were employed for the survey:

Instrument - EDA Omni Plus Proton Precession Magnetometer

Station Interval - 25m      Line Spacing - 100m

Diurnal Correction Method - EDA Recording Base Station

Data Presentation - Contoured Magnetic Data, Map No.1

- 1:2500 scale

- Contour interval = 20 nano-teslas

## **MAGNETOMETER SURVEY RESULTS**

The Magnetometer Survey shows the property to have a varying degree of magnetic susceptibility pattern. There is a NE trending magnetic high in the middle of the claim which is probably the Ultramafic unit. However there is not enough information to resolve the different geological units thought to underlay the claim. The surrounding claims would have to be surveyed and the data merged to achieve this resolution.

One significant feature to be noted is a probable contact between the mafic volcanics and ultramafics running NE through the claim with the mafics having a lower magnetic susceptibility to the NW.

## CONCLUSIONS AND RECOMMENDATIONS

The current ground magnetic survey outlined several features that probably correlate with the proposed geology. The strong magnetic high on L2E/125S and L325E/25S could be due to a Ultramafic unit. The magnetic high on L1E/0 may correlate with a felsic Porphyry shown on the geology map. However, there is not enough information to resolve the different geological units at present.

It is recommended that the surrounding claims comprising the Thunder Creek Property, be covered by a ground magnetic survey incorporating the current results.

An I.P. Survey should be conducted on areas of geological interest, certainly on the current claim #1177822 because of the geological setting which includes a porphyry which has been known to be a significant feature for gold mineralization.

CERTIFICATION

I, Raymond Joseph 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 May 1975.

2. I have been practising my profession since 1973 in Ontario, Quebec, Nova Scotia, New Brunswick, Newfoundland, NWT, Manitoba, Germany and Chile.

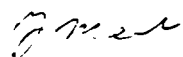
3. I have been employed directly with Teck Corporation, Metallgesellschaft Canada Ltd. Sabina Industries, .S. Middleton Exploration Services Ltd., self employed 1979-1985 (Rayan Exploration Ltd.) and currently with Rayan Exploration Ltd.

4. 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 during 1990.

5. I hold no interest, directly or indirectly in this property, nor do I expect to receive any interest or considerations from the property other than professional fees.

Dated this 26th day of March, 1994

at Timmins, Ontario.



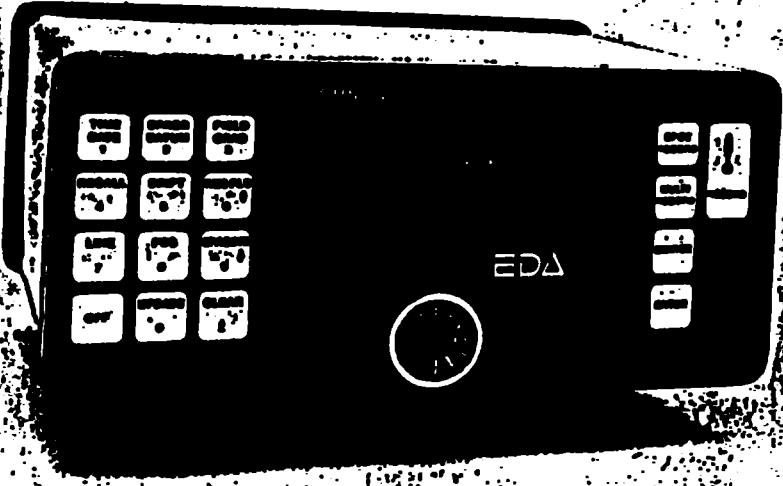
R.J. Meikle



**APPENDIX A**

OMNI IV 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 Model) .....	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
<b>Weights and Dimensions</b>	
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
(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

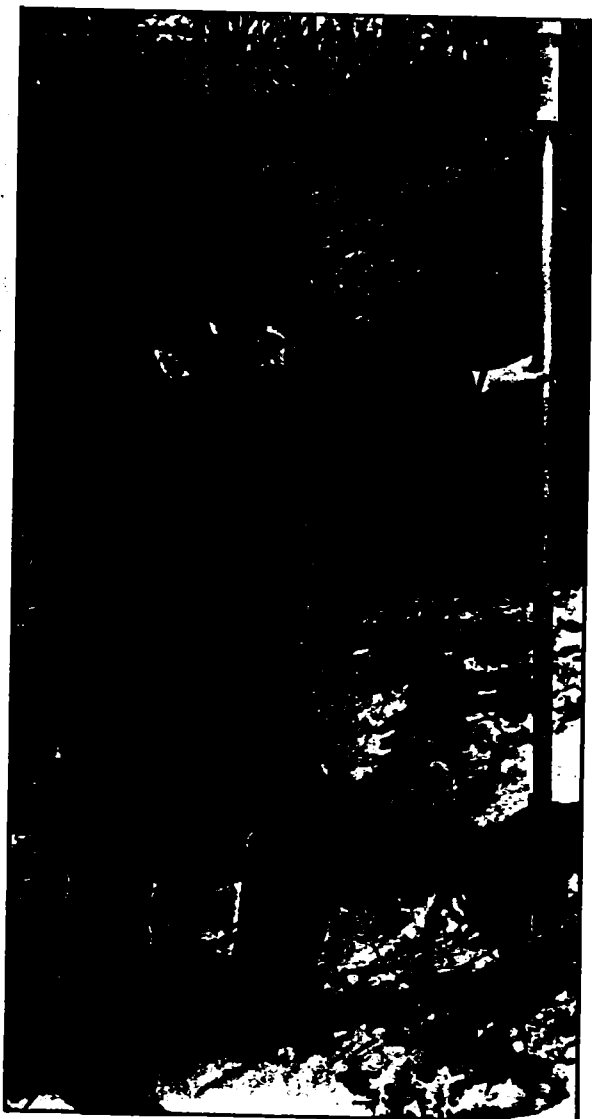
EDA Instruments Inc  
4 Thorncliffe Park Drive  
Toronto, Ontario  
Canada M8H 1H1  
Tel: 06 24222 EDA 100  
Cable: Instruments Toronto  
(416) 425 7800

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EDA Instruments Inc  
5151 Ward Road  
Wheat Ridge, Colorado  
U.S.A. 80155  
1303 422 9112

Printed in Canada

**APPENDIX B**

# OMNI PLUS VLF/Magnetometer System



## Major Benefits of the OMNI PLUS

- Combined VLF/Magnetometer/Gradiometer System
- No Orientation Required
- Three VLF Magnetic Parameters Recorded
- Automatic Calculation of Fraser Filter
- Calculation of Ellipticity
- Automatic Correction of Primary Field Variations
- Measurement of VLF Electric Field



## Specifications\*

Frequency Tuning Range . . . . .	15 to 30 kHz, with bandwidth of 150 Hz; tuning range accommodates new Puerto Rico station at 28.5 kHz
Transmitting Stations Measured . . . . .	Up to 3 stations can be automatically measured at any given grid location within frequency tuning range
Recorded VLF Magnetic Parameters . . . . .	Total field strength, total dip, vertical quadrature (or alternately, horizontal amplitude)
Standard Memory Capacity . . . . .	800 combined VLF magnetic and VLF electric measurements as well as gradiometer and magnetometer readings
Display . . . . .	Custom designed, ruggedized liquid crystal display with built-in heater and an operating temperature range from $-40^{\circ}\text{C}$ to $+55^{\circ}\text{C}$ . The display contains six numeric digits, decimal point, battery status monitor, signal strength status monitor and function descriptors.
RS232C Serial I/O Interface . . . . .	2400 baud rate, 8 data bits, 2 stop bits, no parity
Test Mode . . . . .	A. Diagnostic Testing (data and programmable memory) B. Self Test (hardware)
Sensor Head . . . . .	Contains 3 orthogonally mounted coils with automatic tilt compensation
Operating Environmental Range . . . . .	$-40^{\circ}\text{C}$ to $+55^{\circ}\text{C}$ ; 0 - 100% relative humidity; Weatherproof
Power Supply . . . . .	Non-magnetic rechargeable sealed lead-acid 18V DC battery cartridge or belt; 18V DC disposable battery belt; 12V DC external power source for base station operation only.
<b>Weights and Dimensions</b>	
Instrument Console . . . . .	2.8 kg, 128 x 150 x 250 mm
Sensor Head . . . . .	2.1 kg, 130 dia. x 130 mm
VLF Electronics Module . . . . .	1.1 kg, 40 x 150 x 250 mm
Lead Acid Battery Cartridge . . . . .	1.8 kg, 235 x 105 x 90 mm
Lead Acid Battery Belt . . . . .	1.8 kg, 540 x 100 x 40 mm
Disposable Battery Belt . . . . .	1.2 kg, 540 x 100 x 40 mm

\*Preliminary

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

In USA,  
EDA Instruments Inc.,  
5151 Ward Road,  
Wheat Ridge, Colorado  
U.S.A. 80033  
(303) 422-9112

Printed in Canada

# Report of Work Conducted After Recording Claim

Mining Act

M.L.  
Transaction Number  
W9460.00050

Personal information collected on this form is obtained under the authority of the this collection should be directed to the Provincial Manager, Mining Lands, 1 Sudbury, Ontario, P3E 6A5, telephone (706) 670-7284.



- Instructions:
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for requirements of mining assessment work or consult the Mining Recorder.
  - A separate copy of this form must be completed for each Work Group.
  - Technical reports and maps must accompany this form in duplicate.
  - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) <b>JAMES CROXALL</b>	Client No. <b>12268*</b>
Address <b>152 BROCK ST, TIMMINS, ONT, P4N 7P1</b>	Telephone No. <b>(705) 267 4314</b>
Mining Division <b>PORCUPINE</b>	Township/Area <b>BRISTOL</b>
	M or G Plan No. <b>G-3798</b>
Dates Work Performed From: <b>MARCH 26/94</b> To: <b>MARCH 26/94</b>	

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	<b>ESTABLISH GRID (CHAIN &amp; MARK) &amp; GEOPHYSICAL (MAGNETIC) SURVEY</b>
<input type="checkbox"/> Physical Work, including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

9671A  
**RECEIVED**  
MAY 17 1994  
MINING LANDS BRANCH

**RECORDED**  
APR 05 1994

Total Assessment Work Claimed on the Attached Statement of Costs \$ 750

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
<b>RAYAN EXPLORATION LTD.</b>	<b>676 MURRAY ST TIMMINS ONT P4N 7B2</b>

(attach a schedule if necessary)

Certification of Beneficial Interest \* See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date <b>MARCH 28/94</b>	Recorded Holder or Agent (Signature) <i>J. Meikle</i>
--	----------------------------	--

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying <b>RAYMOND JOSEPH MEIKLE 676 MURRAY ST TIMMINS ONT P4N 7B2</b>		
Telephone No. <b>705 268 4866</b>	Date <b>MARCH 28/94</b>	Certified By (Signature) <i>J. Meikle</i>

For Office Use Only

Total Value Cr. Recorded <b>\$750.</b>	Date Recorded <b>APR. 5, 1994</b>	Mining Recorder <i>[Signature]</i>	<div style="border: 2px solid black; padding: 10px; text-align: center;"> <p><b>RECEIVED</b> (c) APR 5 1994</p> <p>TR PORCUPINE MINING DIVISION</p> </div>
	Deemed Approval Date <b>JULY 4, 1994.</b>	Date Approved	
	Date Notice for Amendments Sent		

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
	1177822	1
Total Number of Claims		1 unit

Value of Assessment Work Done on this Claim	Value Applied to this Claim
\$ 750.00	750
Total Value Work Done	750

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
0	
Total Assigned From	Total Reserve

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature <i>Mick</i>	Date MARCH 23/91
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Ministry of  
Northern Development  
and Mines  
Ministère du  
Développement du Nord  
et des mines

**Statement of Costs  
for Assessment Credit**

**État des coûts aux fins  
du crédit d'évaluation**

**Mining Act/Loi sur les mines**

Transaction No./N° de transaction

W9460.00050

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 870-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 870-7264.

**1. Direct Costs/Coûts directs**

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type ESTABLISH (P10) MAG SURVEY PLANNING (P200) (incl. G.57)	\$750.00	750
	Supplies Used Fournitures utilisées	Type	
Equipment Rental Location de matériel	Type		
<b>Total Direct Costs Total des coûts directs</b>			<b>750</b>

**2. Indirect Costs/Coûts indirects**

\*\* Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work.  
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
<b>Sub Total of Indirect Costs Total partiel des coûts indirects</b>			
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs)		Value totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)	

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

**Filing Discounts**

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

**Remises pour dépôt**

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

**Certification Verifying Statement of Costs**

I hereby certify:  
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as AGENT I am authorized  
(Recorded Holder, Agent, Position in Company)

to make this certification

**Attestation de l'état des coûts**

J'atteste par la présente :  
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de \_\_\_\_\_ je suis autorisé  
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature <u>J. Mecher</u>	Date <u>17/04/94</u>
-------------------------------	-------------------------



Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

Geoscience Approvals Section  
933 Ramsey Lake Road  
6th Floor  
Sudbury, Ontario  
P3E 6B5

June 28, 1994

File: 2.15431  
Transaction #: W9460.00050

Mining Recorder  
Ministry of Northern Development & Mines  
4 Government Road East  
Timmins, Ontario  
P4N 2S7

Dear Sir/Madam:

**Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIM  
P1177822 IN BRISTOL TOWNSHIP**

---

Assessment work credits have been approved as outlined on the original work report form for the submission. The credits have been approved under Section 14 (Geophysics) of the Mining Act Regulations.

The approval date is June 28, 1994.

If you have any questions regarding this correspondence, please contact Lucille Jerome at (705) 670-5855.

Yours sincerely,

Ron C. Gashinski  
Senior Manager, Mining Lands Section  
Mining and Land Management Branch  
Mines and Minerals Division

lj/lj

cc: Resident Geologist  
Timmins, Ontario

✓ Assessment Files Library  
Sudbury, Ontario

**MAP SYMBOLOLOGY**

Aerial Cableway	Pipeline (above ground)
Boundary	Railroad
Intermittent	Single Track
Continuous	Double Track
Abandoned	Abandoned
Approximate	Turbine
Let, Connection	Road
Approximate	Highway, County
Part Boundary	Township
Bridge	Access (road of doubtful maintenance)
Road, Railroad	Trunk, Back Road (barge alley)
Building	Repsis
Chimney	Double line river with multiple rapids
Cliff, Pit, Pile	Reservoir
Contours	River, Stream, Canal
Intermittent	Approximate boundary
Approximate	Tract of Fish
Control Points	Rock
Horizontal	Significant
Vertical	Spot Elevation (see elevation)
Culvert	Tower
Falls	Transmission Line
Double line river	Power Lines
Fence, Hedge, Wall	Utility Poles
Feature Outlines (Construction features, etc.)	Wharf, Dock, Pier
Flooded Land	Wooded Area
Lock	
Marsh or Swamp	
Mast	
Mine Head Frame	
Outcrop	

**AREAS WITHDRAWN FROM DISPOSITION**

M.R.O. - MINING RIGHTS ONLY	
S.R.O. - SURFACE RIGHTS ONLY	
M. & S. - MINING AND SURFACE RIGHTS	
Disposition	Order No.
	Date
	Disposition
	File
	S.R.O. 164584

MINING AND SURFACE RIGHTS WITHDRAWN FROM PROSPECTING, STAKING, SALE OR LEASE UNDER SECTION 36 OF THE MINING ACT R.S.O. 1990 ORDER NO. M-88186-WR DATED 06-OCT-90;

MINING AND SURFACE RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT R.S.O. 1990 ORDER NO. O-P-22192-NER DATED 02-AUG-01

(CLAIM NO. S P-431541 TO P-431548 INCL. P-433999, P-434000, P-479503 TO P-479506 INCL. AND P-480315 TO P-480317 INCL.)

MINING AND SURFACE RIGHTS WITHDRAWN FROM PROSPECTING, STAKING, SALE OR LEASE UNDER SECTION 36 OF THE MINING ACT, R.S.O. 1990 ORDER NO. M-89186-WR DATED 06-MAY-90

THIS TWP. SUBJECT TO FOREST ACTIVITY IN 1994/95. FURTHER INFORMATION AVAILABLE ON FILE.

MINING AND SURFACE RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT, R.S.O. 1990 ORDER NO. O-P-24100-NER DATED 02-AUG-01

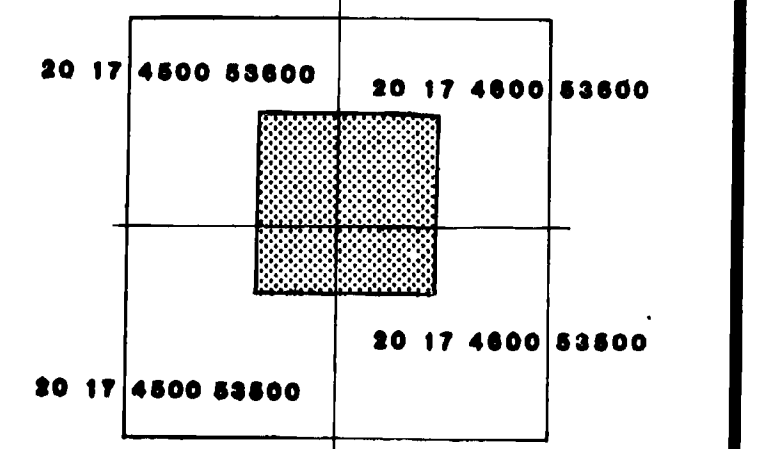
(CLAIM NO. P-582826 TO P-582872 INCL. AND P-582809 TO P-582812 INCL.)

MINING AND SURFACE RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT, R.S.O. 1990 ORDER NO. O-P-24100-NER DATED 02-AUG-01

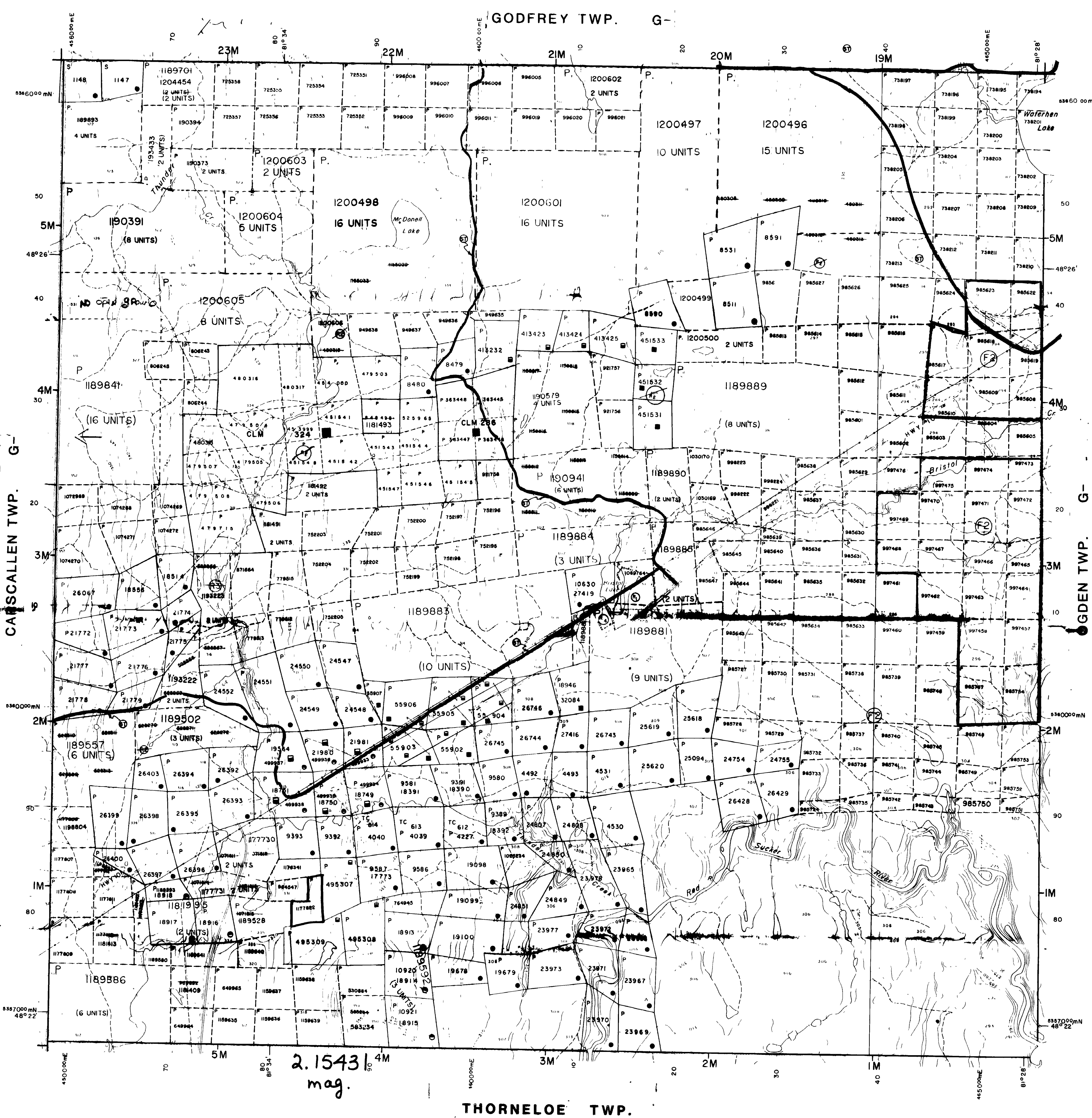
(CLAIM NO. P-480828 TO P-480833 INCL.)

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON

**KEY PLAN For O.B.M. Map**



not to scale



2.15431 mag.

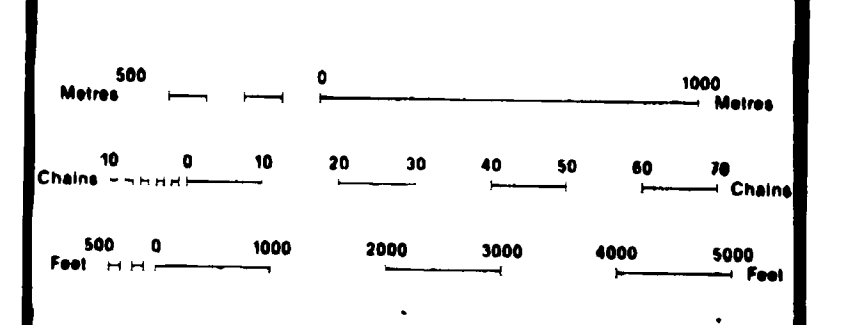
**LEGEND**

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	○

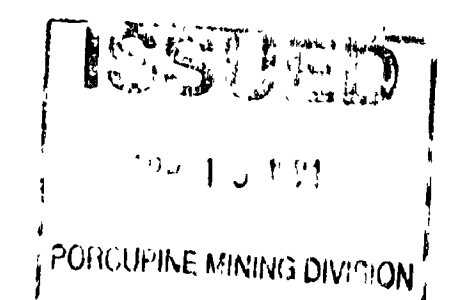
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1913 VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT R.S.O. 1970 CHAP. 380, SEC. 83, SUBSEC. 1



SCALE 1:20 000 ZONE 17

APPLICATION PENDING UNDER THE PUBLIC LANDS ACT NOTICE RECEIVED 08-DEC-81 KNOWLEDGE TRAILS

APPLICATION FOR CROWN LAND UNDER THE PUBLIC LANDS ACT NOTICE RECEIVED 08-DEC-81 ONE COLLECTOR TOP SOIL, PULVERISED SPHERE ETC.



THIS TWP. SUBJECT TO FOREST ACTIVITY IN 1994/95. FURTHER INFORMATION AVAILABLE ON FILE.

TOWNSHIP  
**BRISTOL**  
M.N.R. ADMINISTRATIVE DISTRICT  
**TIMMINS**  
MINING DIVISION  
**PORCUPINE**  
LAND TITLES/REGISTRY DIVISION  
**COCHRANE**

Ministry of Natural Resources  
Land Management Branch  
Ontario

ORIGINAL COMPILED JULY 1984  
ACTIVATED JULY 13, 1992 BY DC  
REVISED CHECKED BY CW  
Number  
**G-3998**



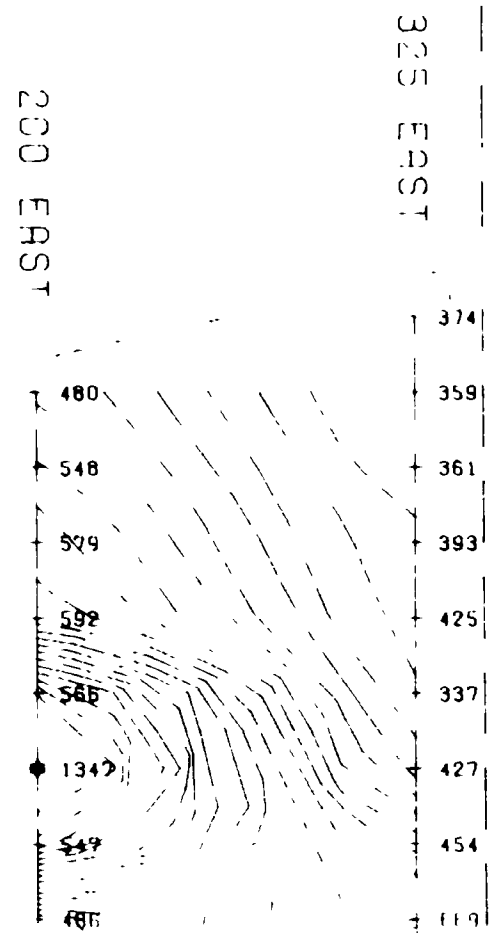


200 NORTH

100 NORTH

1176341

384547



### LEGEND

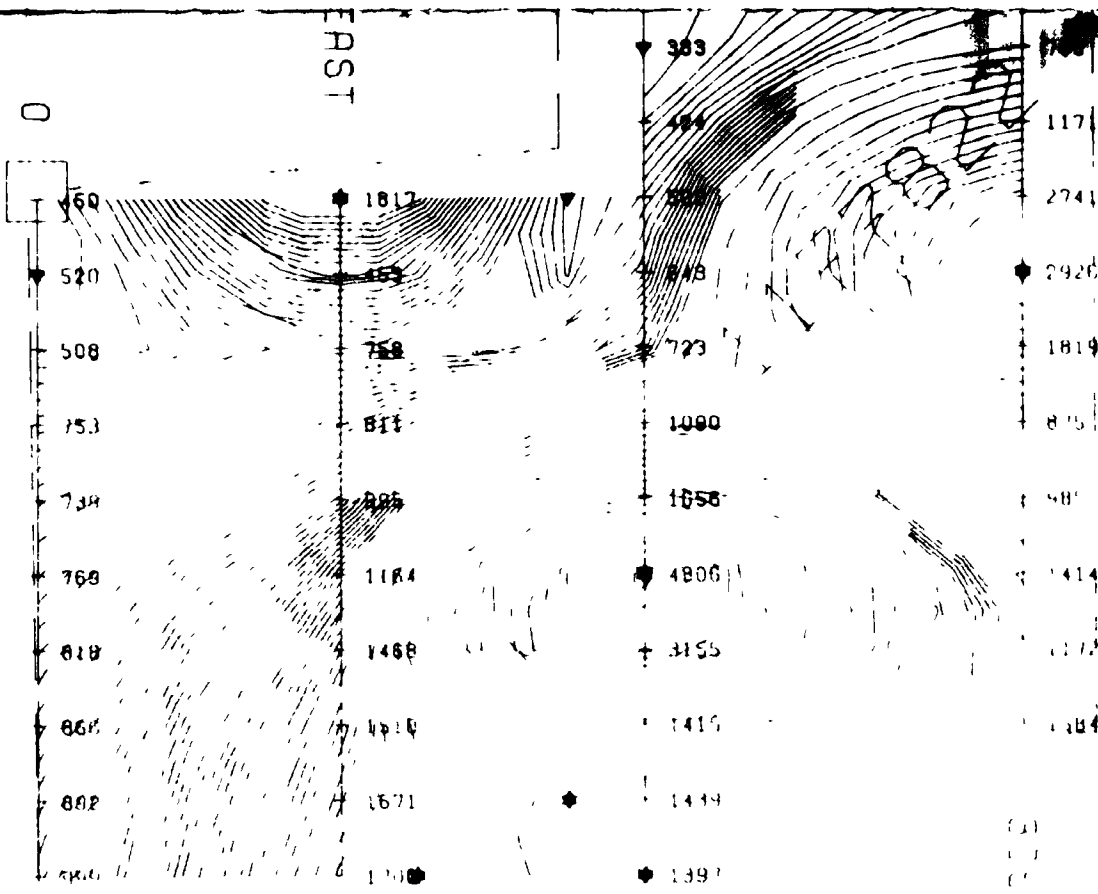
INSTRUMENT: FDA OMNI PROTON PRECESSION MAGNETOMETER  
 PARAMETERS MEASURED: EARTH'S TOTAL MAGNETIC FIELD (NANO-TESLAS)  
 READING INTERVAL: 25 METERS  
 CONTOUR INTERVAL: 20 NANO-TESLAS  
 DIURNAL CORRECTION METHOD: RECORDING OMNI BASE STATION  
 DATUM SUBTRACTED FROM ALL PLOTTED READINGS: 58000nT

BASE LINE

100 SOUTH

200 SOUTH

1071012



BASE LINE

100 NORTH



Client	FRANKLIN RESOURCES LTD.
Property	FRANKLIN TWP. PROPERTY
Station	OMNI MAGNETOMETER
Station ID	<b>2. 15431</b>

Equipment	Model
Date	Time
Operator	Station
Scale	Notes

**RAYAN**  
 CONSULTING LTD.  
 CONTRACT/CONSULTING SERVICES  
 ELMHURST, ONTARIO  
 2000-10-10

*gms*



42A08NE0870 2 18431 BRISTOL