2.26025

GEOPHYSICAL REPORT

on a

MAGNETOMETER SURVEY

BRISTOL LAKE PROPERTY

BRISTOL TOWNSHIP, PORCUPINE MINING DIVISION

for

ROLLY POIRIER

RECEIVED

JUL 24 2003

GEOSCIENCE ASSESSMENT OFFICE

Submitted by: Steve Anderson

VISION EXPLORATION

170 Second Ave Timmins, Ontario 705-360-7722

July 22nd, 2003



42205NE2049 2.26025

BRISTOL

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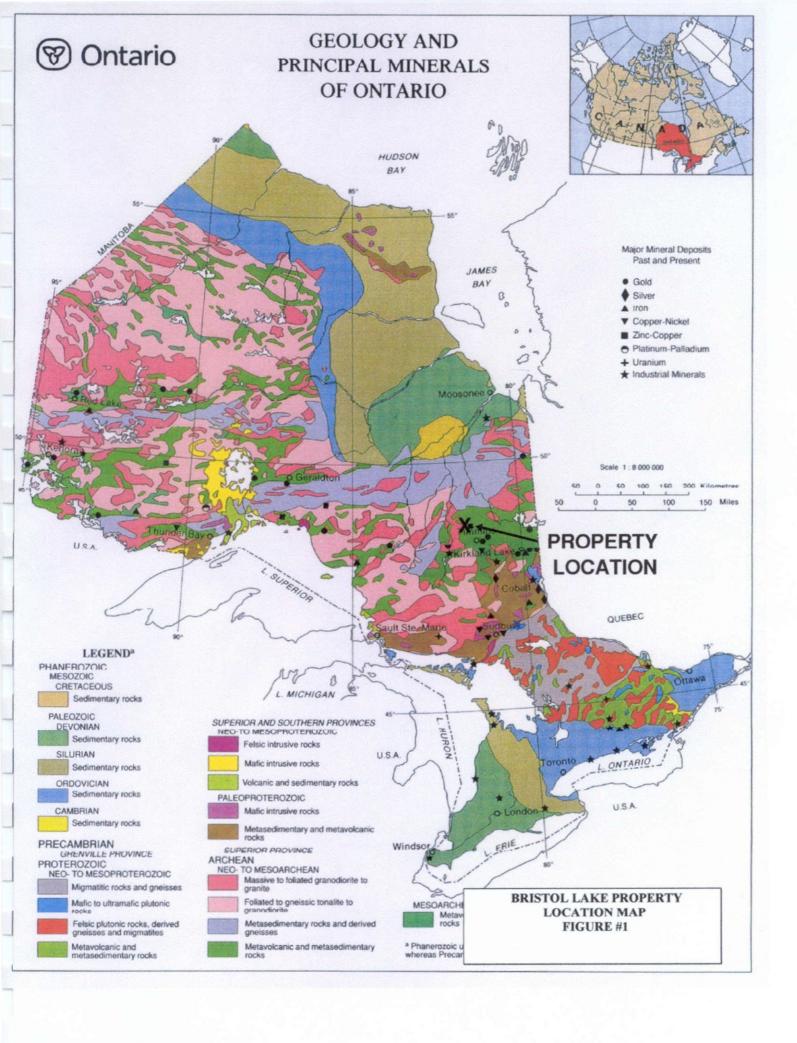
## **APPENDICES**

GEM, GSM-19 Magnetometer ...... APPENDIX A

#### **INTRODUCTION**

The following report will deal with the results of magnetometer survey carried out on the Bristol Lake Property. The property is held by Roland Poirier (100%), and is made up of a single unit, unpatented mining claim, located in Bristol Township, Porcupine Mining Division, District of Cochrane, Ontario (Figure #3). This work was carried out on a contract basis by Vision Exploration and took the form of a flagged line and magnetometer survey. A total of 2km. of flagged grid lines were established and surveyed with magnetometer on July 20, 2003.

The purpose of this program was to provide ground geophysical data that would aid in the geological interpretation of the area.



#### **LOCATION AND ACCESS**

The Bristol Lake Project is located in the central portion of Bristol Township, Porcupine Mining Division, Districts of Cochrane, Ontario. The property is situated approximately 15-km. southwest form the city of Timmins (Figure #2). The UTM co-ordinates for the claim are 461500mE and 5361500mN (NAD 83). Bristol Lake occupies the western portion of the claim.

Access to the work area is gained by taking Hwy 101-west form the city of Timmins for approximately 15km. At this point, the #2 post is located on the north side of the highway, while a secondary road provides access to the #1 post.

#### **PERSONNEL**

The people directly involved with this work program were employed by Vision Exploration and are as follows.

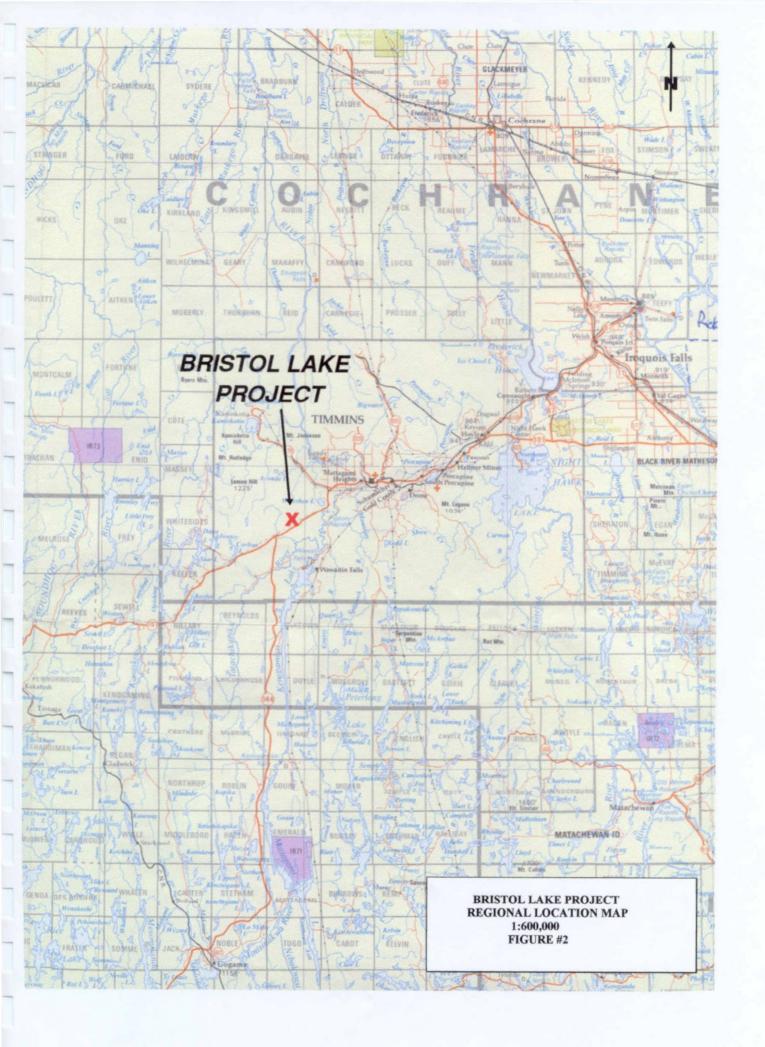
Steve Anderson
Donny McKinnon

Timmins

**Timmins** 

#### **PREVIOUS WORK**

The current claim holder has previously conducted a trenching and sampling program on the subject property. The results of this work were not available to the author at the time of writing.



#### **GENERAL GEOLOGY**

The geology of the area, as shown by OGS Map 3397, "Geological Compilation of the Timmins Area", shows the property to be underlain primarily by a quartz of feldspar porphyry while the extreme north and south boundaries may be within the sediments. This map also shows an east-west fault zone extending across the northern boundary of the claim.

#### **CLAIMS**

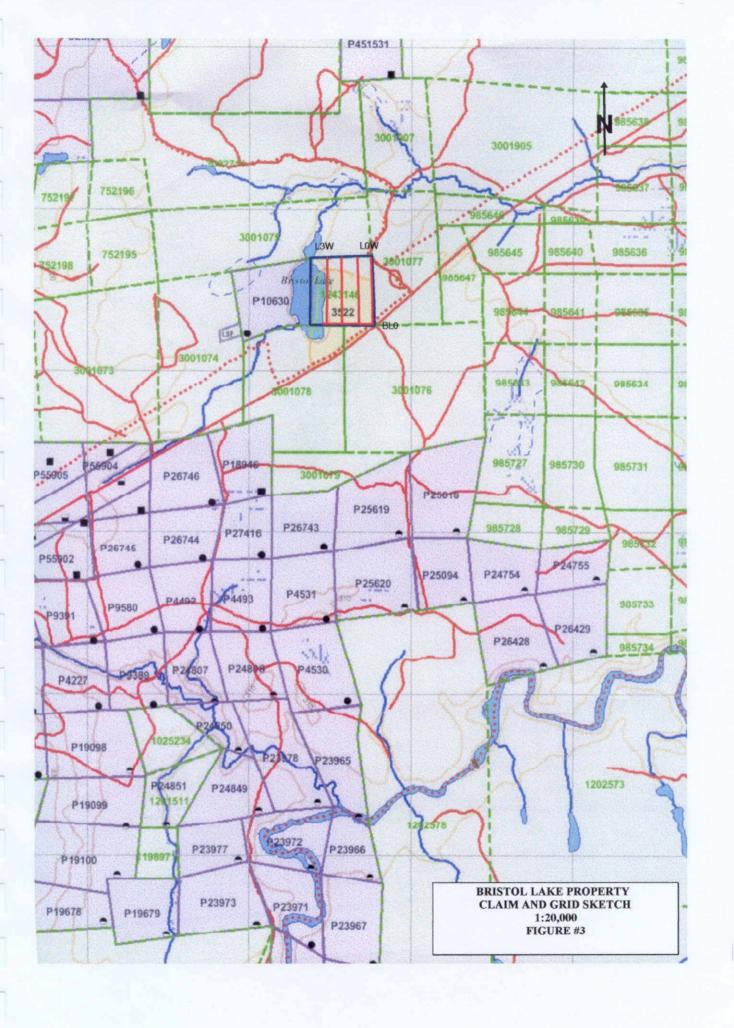
The claim that make up the Bristol Lake Property is an unpatented single unit mining claim located in Bristol Township, Porcupine Mining Division, District of Cochrane, Ontario. It is recorded in the names of Rolland Poirier (100%), and is listed below.

CLAIM#	# OF UNITS	TOWNSHIP
1243146	1	Bristol

#### **WORK PROGRAM**

The first stage of this work program involved establishing a flagged line grid over which the geophysical surveys could be carried out. The grid parameters were set up with an east-west base line situated along the claims southern boundary. From this, north-south lines were then established. The line interval was set at 100 meters, with a 25 meters station interval. A total of 2 km. of grid lines were established.

The grid was then surveyed with Magnetometer using a 12.5-meter reading interval. This resulted in 2 km. of geophysical coverage. The following is a brief description of the geophysical method and parameters used.



#### MAGNETOMETER SURVEY

A GEM GSMT-19 Proton Precession magnetometer was used to carry out the magnetometer survey. The instrument is synchronised with a GEM GSMT-19 recording base station to help eliminate magnetic diurnal variation. This should ensure an accuracy of less than 1.0 Nt.

The Proton Precession method involves energising 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 – GEM, GSMT-19 Proton Precession Magnetometer
Reading Interval - 12.5m
Line Interval - 100m
Diurnal Correction Method – GEM GSMT-19 Recording Base Station
Data Presentation – Data posted and contoured plan maps
- 1:2,500 scale

- Contour interval: 10 nano-teslas

#### **SURVEY RESULTS**

The magnetometer survey conducted on the Bristol Lake Property appears to have outlined a number of magnetic features that may aid in the geological interpretation of the area. The magnetics show a low within the south central and eastern part of the claim, which may represent the porphyry. Two highs were located, the first on L0W/0+62N and the second on L300W/200N. These may represent volcanic of sediment units flanking the porphyry.

#### **RECOMMENDATIONS AND CONCLUSIONS**

The geophysical program carried out on the Bristol Lake Property was successful in outlining a number of magnetic features that may be an indication of the underlying geology.

During the survey a number of old trenches were observed on L0W and L100W. These should be investigated and may help confirm the geology, as interpreted by the magnetic survey.

An induced polarization survey should be considered as it may outline zones of disseminated sulphides that may not have responded to the conventional magnetic survey. Due to the excellent geological environment additional work is warranted.

#### **CERTIFICATION**

- I, Steve Anderson of Timmins, Ontario hereby certify that:
  - 1. I hold a three-year Technologist Diploma from Sir Sandford College, Lindsay, Ontario, obtained in May 1981.
  - 2. I have been practising my profession since 1979 in Ontario, Quebec, Nova Scotia, New Brunswick, Newfoundland, NWT, Manitoba Saskatchewan and Greenland.
  - 3. I have been employed directly with Asamera Oil Inc., Urangellschaft Canada Ltd., Nanisivik Mines Ltd., R.S. Middleton Exploration Services Ltd., Rayan Exploration Ltd and am currently an owner of Vision Exploration.
  - 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 fieldwork conducted on the property during 2003.

Dated this  $22^{nd}$  day of July 2003 at Timmins, Ontarie.

# APPENDIX A GEM GSM-19 MAGNETOMETER

### **GEM GSM-19**

#### INSTRUMENT SPECIFICATIONS

## MAGNETOMETER / GRADIOMETER

Resolution:

0.01 nT (gamma), magnetic field and gradient.

Accuracy:

0.2 nT over operating range.

Range:

20,000 to 120,000 nT.

Gradient Tolerance:

Over 10,000 nT/m

Operating interval:

:3 seconds minimum, faster optional. Readings initiated from keyboard,

external trigger, or carnage return via RS-232-C.

Input/Output:

6 pin weatherproof connector, RS-232C, and (optional) analog output. 12 V, 200 mA peak (during polarization), 30 mA standby. 300mA peak

Power Requirements:

in gradiometer mode.

Power Source:

Internal 12 V, 2.6 Ah sealed lead-acid battery standard, others op-

tional. An External 12V power source can also be used.

Battery Charger:

Input: 110 VAC, 60 Hz. Optional 110/220 VAC, 50/60 Hz.

Output: dual level charging.

Operating Ranges:

Temperature: -40 ℃ to +60 ℃.

Battery Voltage: 10.0 V minimum to 15V maximum.

Humidity: up to 90% relative, non condensing.

Storage Temperature:

-50°C to +65°C

Display:

LCD: 240 x 64 pixels, or 8 x 30 characters. Built in heater for opera-

tion below -20°C

Dimensions:

Console: 223 x 69 x 240mm.

Sensor staff: 4 x 450mm sections.

Sensor: 170 x 71mm dia.

Weight: Console 2.1kg, Staff 0.9kg, Sensors 1.1kg each.

#### **VLF**

Frequency Range:

15 - 30.0 kHz.

Parameters Measured:

Vertical In-phase and Out-of-phase components as percentage of total

field.

2 components of horizontal field. Absolute amplitude of total field.

Resolution:

0.1%.

Number of Stations:

Up to 3 at a time.

Storage:

Automatic with: time, coordinates, magnetic field/gradient, slope, EM field, frequency, in- and out-of-phase vertical, and both horizontal

components for each selected station.

Terrain Slope Range:

0°-90° (entered manually).

Sensor Dimensions:

14 x 15 x 9 cm. (5.5 x 6 x 3 inches).

Sensor Weight:

1.0 kg (2.2 lb).



## **Work Report Summary**

Transaction No:

W0360.01206

Status: APPROVED

**Recording Date:** 

2003-JUL-23

Work Done from: 2003-JUL-19

Approval Date:

2003-JUL-24

to: 2003-JUL-22

Client(s):

183246

Survey Type(s):

MAG

POIRIER, ROLLAND JOSEPH

Work	Report	Details:

Ci	aim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
Р	1243146	\$800	\$800	\$800	\$800	\$0	0	\$0	\$0	2005-JUL-23
		\$800	\$800	\$800	\$800	\$0	\$0	\$0	\$0	•

**External Credits:** 

\$0

Reserve:

\$0 Reserve of Work Report#: W0360.01206

\$0 Total Remaining

Status of claim is based on information currently on record.



Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Date: 2003-JUL-25



GEOSCIENCE ASSESSMENT OFFICE 933 RAMSEY LAKE ROAD, 6th FLOOR SUDBURY, ONTARIO P3E 6B5

Tel: (888) 415-9845

Fax:(877) 670-1555

Submission Number: 2.26025

P4N 6E9 CANADA

TIMMINS, ONTARIO

ROLLAND JOSEPH POIRIER

561 BIRCH STREET NORTH

Dear Sir or Madam

# Transaction Number(s): W0360.01206

#### **Subject: Approval of Assessment Work**

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at steve.beneteau@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,

mc calal. Ron Gashinski

Senior Manager, Mining Lands Section

Cc: Resident Geologist

Steven Dean Anderson

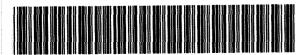
(Agent)

Rolland Joseph Poirier (Assessment Office)

Assessment File Library

Rolland Joseph Poirier

(Claim Holder)



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ONTARIO CANADA

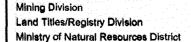
Mining Land Tenure Map

Date / Time of Issue: Frl Jul 25 09:07:19 EDT 2003

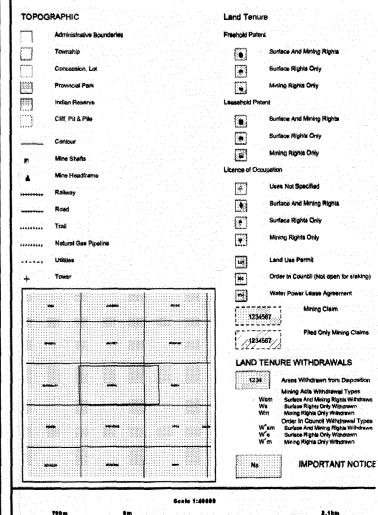
TOWNSHIP / AREA BRISTOL

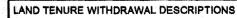
PLAN G-3998

#### **ADMINISTRATIVE DISTRICTS / DIVISIONS**



Porcupine COCHRANE TIMMINS





3434 Wsm 3497 Wsm	Jan 1, 2001	S.R.O. UNDER APPLICATION FOR AGRICULTURAL PURPOSES
3497 Wsm	Jan 1, 2001	SUBJECT TO LAND USE PERMIT #MTG 40097 MARCH 26/98
3522 Ws	Jan 1, 2001	S.R.O. 164584
W 51/79 Ws W-LL-C1584 Wsm		NRW 51/79, 2/11/79 S.R.O.
W-LL-C1584 Warn	Aug 29, 2002	

1180853 3001912 985627 P8511 985626 985825 3001911 985613 985614 985615 P451533 \_3001456 752200 , 752201 7\$2203 997481 985833 997460 997459 P21777 985727 985730 P25619 P27416 | P26743 985728 985729 P26744 1202573 998257 P23973 UTM Zone 17 5000m grid

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site

General Information and Limitations

Contact Information:

Provincial Mining Recorders' Office

Viiled Green Miller Centre 933 Ramsey Lake Road Sudbury ON P3E 6B5

Home Page: www.mndm.gov.on.cs/MNDM/MINES/LANDS/mismnpge.htm

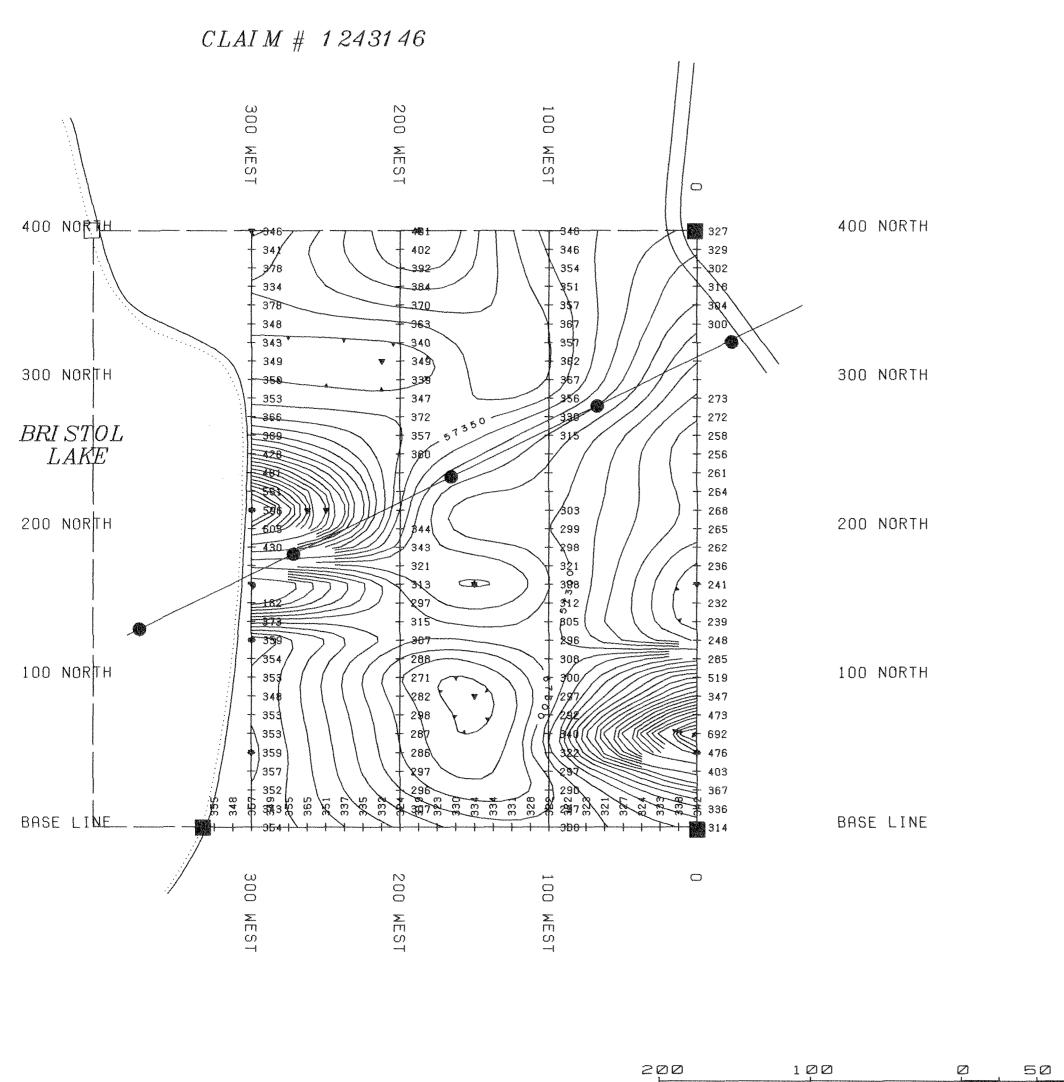
Toll Free

Map Datum: NAD 83

Topographic Data Source: Land Information Ontario

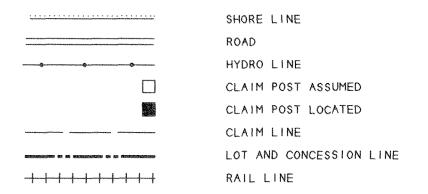
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licensees, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.





## TOPO LEGEND



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LEGEND

INSTRUMENT: GEM GSM-91T PROTON PRECESSION MAGNETOMETER

PARAMETERS MEASURED: EARTH'S TOTAL MAGNETIC FIELD (NANO-TESLAS)

READING INTERVAL: 12.5 METERS

CONTOUR INTERVAL: 18 NANO-TESLAS

DIURNAL CORRECTION METHOD: RECORDING GEM BASE STATION

DATUM SUBTRACTED FROM ALL PLOTTED READINGS: 57888 nT

ROLLY POIRIER

Property: BRISTOL LAKE PROPERTY

Title:
TOTAL FEILD MAGNETOMETER SURVEY
POSTED & CONTOURED

Processed:	Checked: SDA
Date: JULY. 2003	Township: BRISTOL
Province: ONTARIO	N.T.S.:
Scale: 1:2500	Drawing:

WISION EXPLORATION TIMMINS ONTARIO

