

NTS 41 O/15

**GROUND GEOPHYSICAL SURVEYS
Magnetometer Surveys Assessment Report**

CREE LAKE PROJECT

Zavitz Twp.

MANTIS EXPLORATIONS INC.

April 3, 2008.

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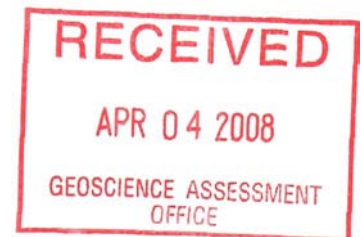


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Total Field Contours 1:10,000

1.0 SUMMARY:

From March 24 to 31, 2008 a program of grid establishment and detail magnetometer surveying was carried out on magnetic targets in Zavitz Tp. The purpose of the work was to map magnetic features and lithology on the ground. This phase of exploration work is part of a more extensive program on the Cree Lake Project. The property is held by Mantis Explorations Inc. 8 King St. East, Suite 1500, Toronto, Ontario M5C 1B5.

The grid establishment and magnetometer surveying was done by David Laronde, Wesley Verreault, Stephane Coulombe and Sebastien Coulombe on behalf of the contractor Meegwich Consultants Inc. P.O. Box 482, Temagami, Ontario POH 2H0. David Laronde was the field supervisor and the author of this work report. There was a grand total of **41 km** of grid lines established and surveyed with magnetometer. The lines of the grids were located with WAAS enabled GPS units (Garmin 60Cx) using the UTM NAD 83 co-ordinate system as grid reference. Stations were flagged at 25 meter intervals along each line.

2.0 PROPERTY:

The work was done on a group of contiguous mining claims situated in the southeastern corner of unsurveyed Zavitz Twp. The total area of the claims is 96 claim units or 1536 hectares.

| CLAIM NO. | DUE DATE | UNITS |
|------------------|-----------------|--------------|
| 4203275 | April 4, 2008 | 8 |
| 4203295 | April 4, 2008 | 16 |
| 4203296 | April 4, 2008 | 8 |

| | | |
|---------|--------------|----|
| 4209787 | Oct. 4, 2008 | 16 |
| 4212201 | Oct. 4, 2008 | 16 |
| 4212280 | Oct. 4, 2008 | 16 |
| 4212281 | Oct. 4, 2008 | 16 |

Porcupine Mining District

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3.0 LOCATION AND ACCESS:

The property is located 100 km southwest of Timmins as the crow flies. Road access to the property is by taking the Sultan Industrial Road west from the junction of Hwy 144 and 560 (the Watershed) to km 55. From here, head north on the Dore Forest Access Road to km 40. At this point follow a tertiary road west for another 8 km. An ATV or ski-doo is required to make the 2 km trip southward to Cree Lake.

4.0 MAGNETOMETER SURVEY:

A total of **41 km** of line was surveyed (**2050 readings**) at 20 meter intervals throughout the survey.

4.1 Instrumentation: Gem Systems GSM-19 overhauser magnetometers serial no. 58479, 7052358 and 712776 were used for field units measuring in nanoteslas (nT) with an accuracy of $\pm 1/100^{\text{th}}$ nT. These instruments have an excellent gradient tolerance at 10,000 nT/m.

A Scintrex EDA Omni IV proton precession magnetometer ser. No. 255228 was used for a base station to monitor the diurnal variation. The base station cycled at a 15 seconds interval. This instrument has an accuracy of $1/10^{\text{th}}$ nT.

4.2 Survey Results and Interpretation: The results are presented in contour format on plans at 1:10,000 scale. Quality control was monitored by cross-referencing baseline and crossline data. This referencing technique confirms good data and checked out on these surveys.

Please note that ground grid coordinates are simply truncated UTM NAD 83 coordinates as indicated along the map borders.

In general the most obvious feature is an east west trending linear than spans the entire length of the 5 km long grid. It is narrower at the east end being 200 meters wide on L 7400 E and up to 500 m wide but less intense on the west side. The most intense section is found on L 6200 and 6600 E where readings range up to 4600 nT. The background range is typically 500-700 nT.

On the south half of the grid a series of bull's eye magnetic highs occur along an east west linear. These highs are relatively narrow with readings ranging up to a few thousand nT.

Much of the surveyed area is quiet which likely reflects a homogenous volcanic sequence.

A magnetic low area is noted in the southeast corner of the grid.

5.0 CONCLUSIONS AND RECOMMENDATIONS:

The magnetic surveys were successful in identifying interesting magnetic features that should be explored further. The magnetic features trend east west along with stratigraphy and can be referred to as mafic intrusive sills with significant magnetic mineral content such as magnetite and pyrrhotite.

An electrical survey is warranted to detect both massive and disseminated sulphides in and around the mafic intrusives.

References

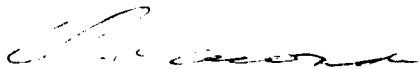
Geological Compilation 1:50,000 W. Hanych January 2008

CERTIFICATE OF AUTHOR

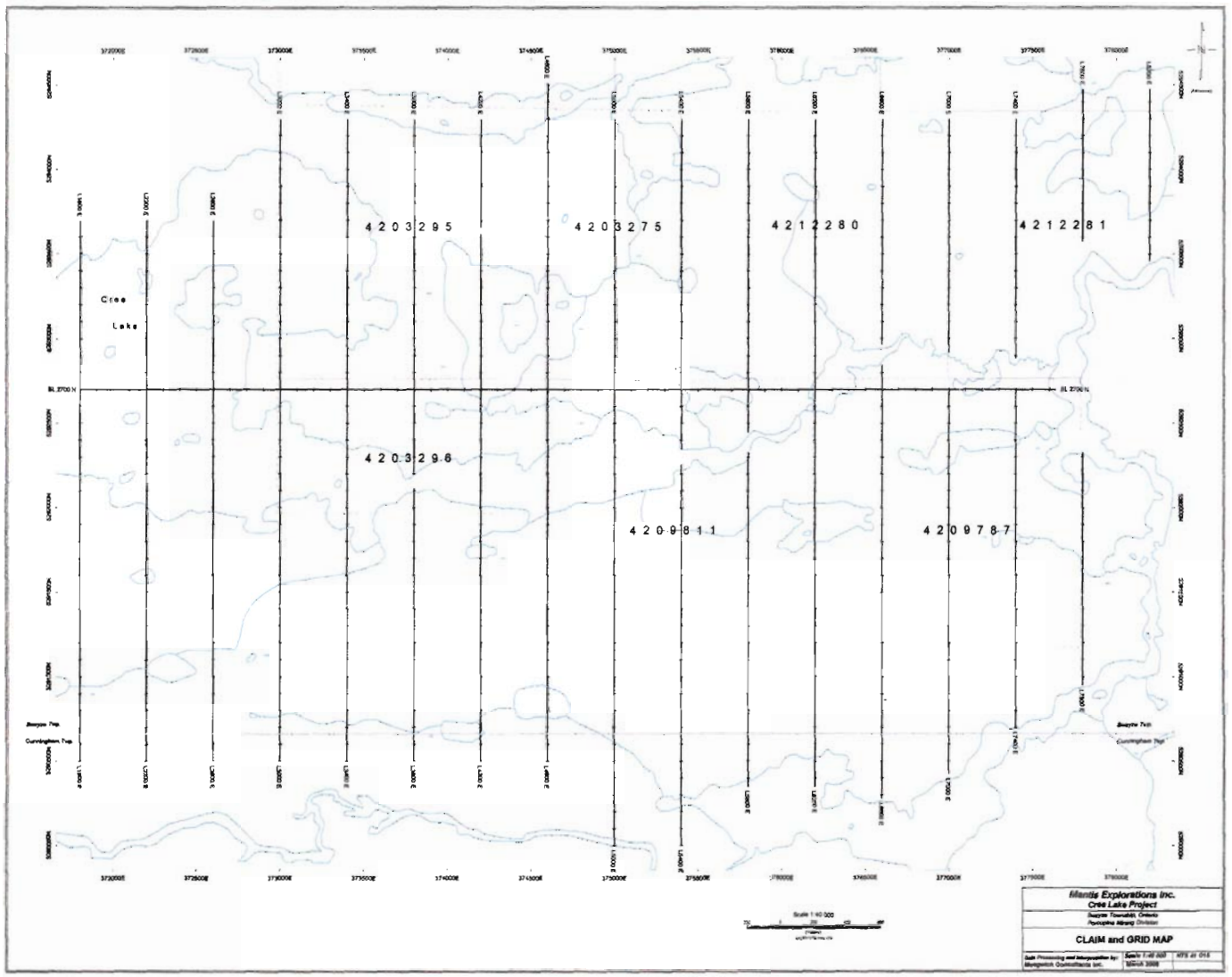
I, David Laronde of the town of Temagami, Ontario hereby certify:

1. That I am a geology engineering technologist and have been engaged in mineral exploration for the past 28 years.
2. That I am a graduate of Cambrian College in Sudbury with a diploma in Geology Engineering Technology 1979.
3. That my knowledge of the property described herein was acquired by field work and documentation.

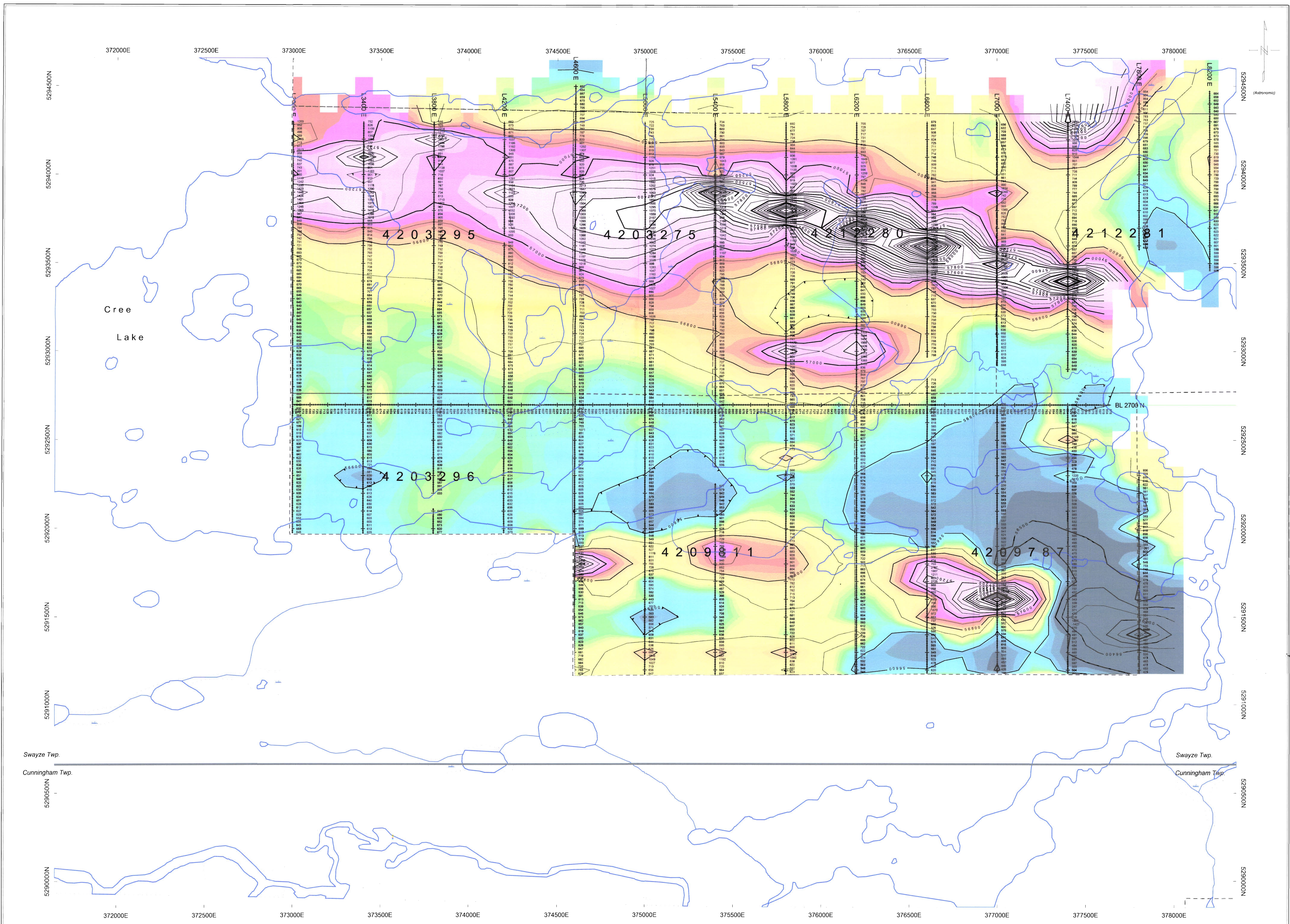
Dated at Temagami this 3rd day of April 2008.



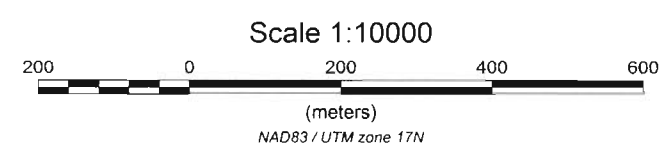
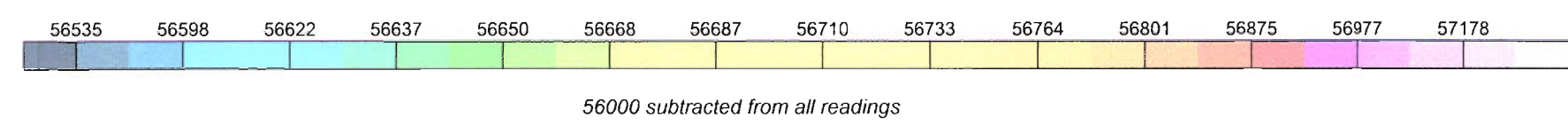
David Laronde



Minis Explorations Inc.
 Cree Lake Project
 Aurora, Ontario, Canada
 Postoffice Agency District
CLAIM and GRID MAP
 Date Prepared and Registered by: Minis Explorations Inc. 1998-01-01
 Registered with: MIRA 3008



Instruments:
 GEM Systems GSM-19 Magnetometer Serial #58479
 GEM Systems GSM-19 Magnetometer Serial #7052358
 GEM Systems GSM-19 Magnetometer Serial #7022235
 Scintrex EDA Omni IV Base Station Serial #255228



| | | |
|---|----------------|------------|
| Mantis Explorations Inc. | | |
| Cree Lake Project | | |
| Swayze Township, Ontario Porcupine Mining Division | | |
| Ground Magnetometer Survey Total Field Contours | | |
| Data Processing and Interpretation by: | Scale 1:10 000 | NTS 41 015 |
| Meegwich Consultants Inc. | March 2008 | |