

We are committed to providing [accessible customer service](#).
If you need accessible formats or communications supports, please [contact us](#).

Nous tenons à améliorer [l'accessibilité des services à la clientèle](#).
Si vous avez besoin de formats accessibles ou d'aide à la communication, veuillez [nous contacter](#).

NTS 31M/4

2-57909

Assessment Work Report

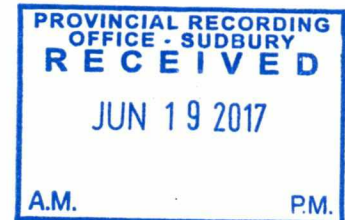
Magnetometer Survey

TEMAGAMI GOLD INC.

Crossroad Grid

Strathy Township

June 2017



Crossroad Grid - Chambers Tp. – Magnetometer Survey

Page 2

TABLE OF CONTENTS

1.0	Summary
2.0	Property Description
3.0	Location and Access
4.0	Magnetometer Survey
4.1	Instrumentation
4.2	Survey Results and Interpretation
5.0	Conclusions and Recommendations

LIST OF FIGURES

Figure 1	Location Map	1:5,000
Figure 2	Grid Location Map	1:60,000

LIST OF MAPS

Map No.1	Magnetometer contour map of total field	1:5000
----------	-----------------------------------------	--------

1.0 PROPERTY:

On June 2, 3 and 4, 2017 a magnetometer survey was carried out on the Crossroad Grid in the southeast corner of Chambers Twp. on behalf of Temagami Gold Inc. 1 Presley St. Cobalt, Ontario P0J 1C0. The objective of the work was to map the magnetic features in an area of confluence of east west and crosscutting northeast structure as indicated by a previous Wabana airborne survey. Joerg Kleinboeck performed the geophysical surveying, grid establishment and David Laronde authored the report on behalf of the contractor Meegwich Consultants Inc. P.O. Box 482, Temagami, Ontario P0H 2H0. A total of 3.6 km of line was established and surveyed. The grid lines were located with a modern GPS unit and stations were flagged at 25 meter intervals.

2.0 PROPERTY:

The property is large and extensive in Chambers and Strathy Twp. however the work was done on 2 contiguous mining claims situate in the southeast corner of Chambers Twp.

4278601 – 11 units

4203210 - 5 units

3.0 LOCATION AND ACCESS:

As the crow flies the property is located 5 km northwest of Temagami and is accessible by ATV from the Sherman Mine near Temagami.

Sudbury Mining Division

NTS: 31M/4

4.0 MAGNETOMETER SURVEY:

4.1 Instrumentation: Gem Systems GSM-19 overhauser magnetometers serial no. 58479 and 712776 were used as field unit and base station for the survey. These units have an accuracy of +/- 1/100th of a gamma. 3.6 km was surveyed taking 288 readings at 12.5 meter intervals. The base station cycled at 15 second intervals.

4.2 Survey Results and Interpretation: The results are presented in contour format on plans at 1:5000 scale.

There are two main magnetic responses trending more or less northeast. The more northern response is linear and about 20 meters in width with intensities ranging 700-1500 nT above background. This dike feature could well be diabase in composition.

The second response to the south is not as uniform in shape and irregular however a narrow band of high readings about 15 meters wide can be interpreted amongst a few other highs. This feature is interesting with its irregular boundaries and varying intensities from 500 to 2500 nT. There is a band of small ultramafic intrusive farther west along stratigraphy. There could well be a continuance indicated here with these anomalous magnetic highs.

5.0 CONCLUSIONS AND RECOMMENDATIONS:

Gold occurrences farther east in Strathy Tp. are sometimes associated with a north trending structure. The Leckie deposit and Big Dan Mine come to mind. The intent of this exercise is to define that a cross-cutting north trending structure exists. The survey has partially outlined a northeast and an east west trending structure that more or less converge. Any north trending prospective structure would have to be northeast in this case. The location of the grid is at a place where east west stratigraphy takes a bend or a fold to the northeast and is also on a parallel branch of the Net Lake – Vermillion Lake Deformation zone. This zone is seemingly prospective for gold exploration as proven farther northeast along strike.

For gold exploration the next logical step would be to outline sulphides that are commonly associated with gold mineralization.

An EM or an IP survey is recommended. These surveys would however require chainsaw line cutting.

The magnetic coverage should be expanded east and north to get a fuller picture of the lay of the geological structure already present.

References

1969 Geological Map #2423 OGS one inch : ½ mile 1:31,680

1997 Report on Airborne Magnetics and Electromagnetics
Wabana Explorations Inc. G. Lambert

CERTIFICATE OF AUTHOR

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

1. That I am a geology technologist and have been engaged in mineral exploration for the past 36 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 17th day of June 2017.



David Laronde

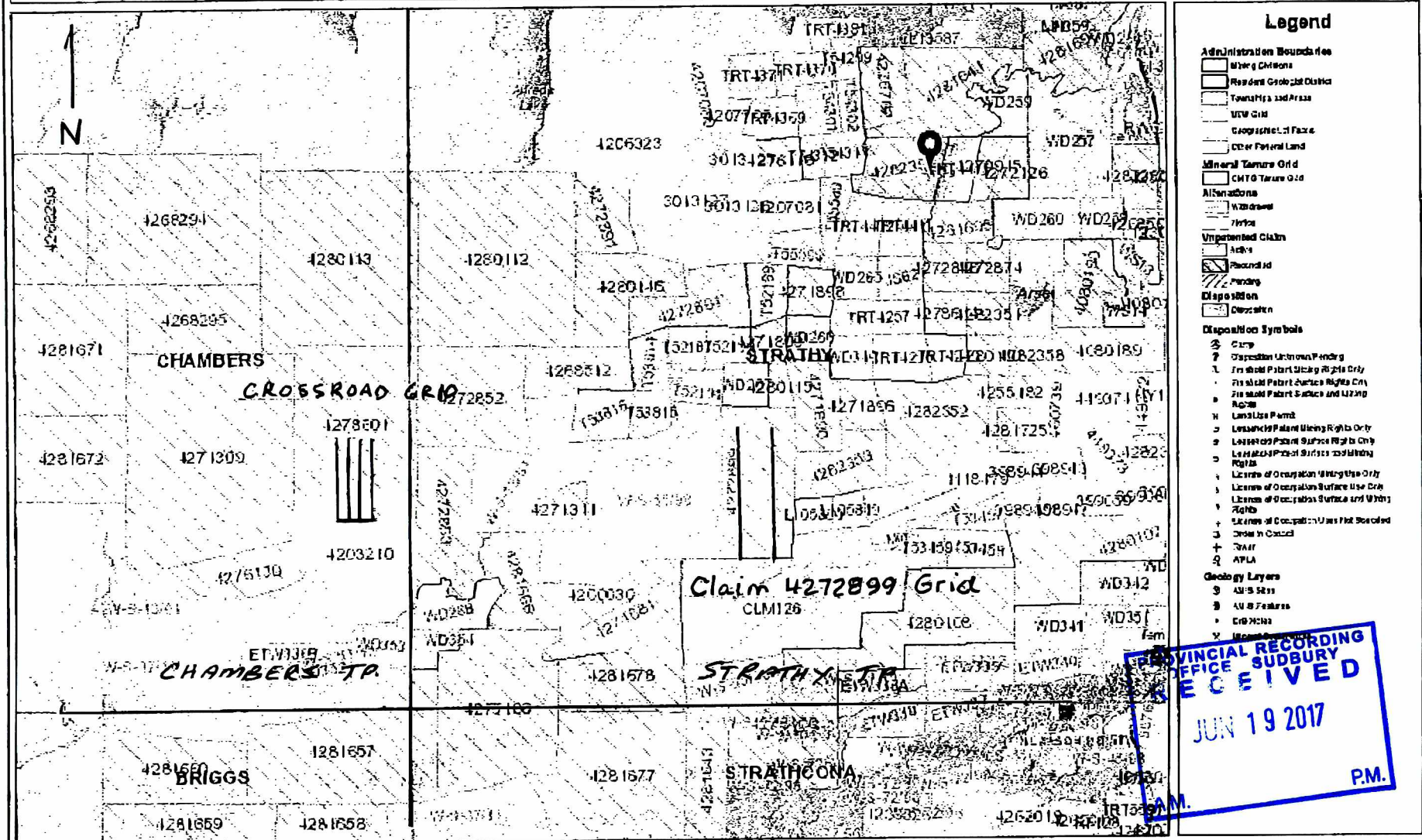
2-57908



MINISTRY OF NORTHERN DEVELOPMENT AND MINES
CLAIMaps

GRID LOCATION MAP

Fig. 2



0 2.50 km

1:60,000

Projection: Web Mercator



The Ontario Ministry of Northern Development and Mines shall not be liable in any way for the use of, or reliance upon, this map or any information on this map. This map should not be used for: navigation, a plan of survey, routes, nor locations.

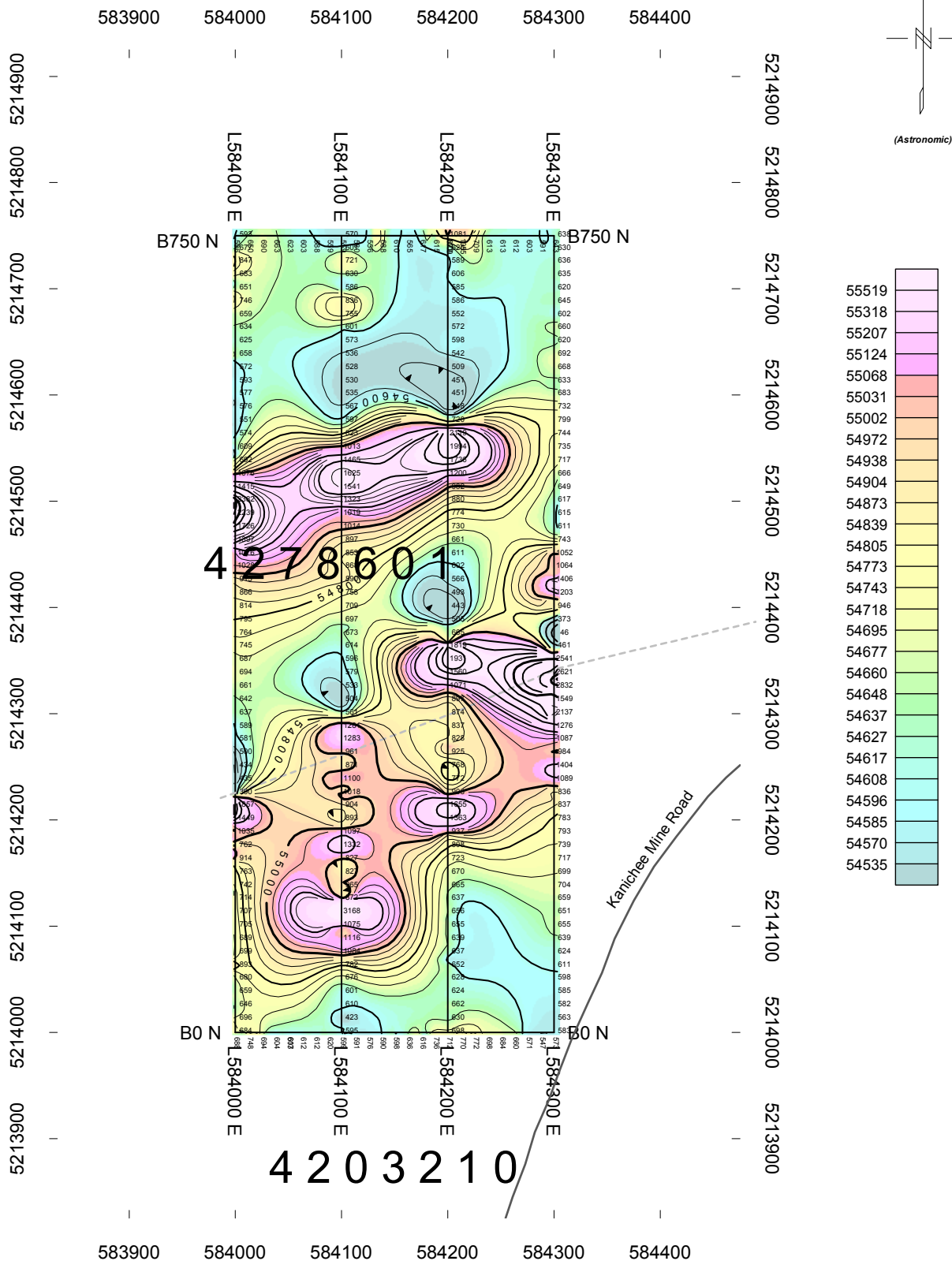
© Queen's Printer for Ontario, 2016

Imagery Copyright Notices: Ontario Ministry of Natural Resources and Forestry; NASA Landsat Program; First Base Solutions Inc.; Aéro-Photo (1981) Inc.; DigitalGlobe Inc.; U.S. Geological Survey.

© Copyright for Ontario Parcel data is held by Queen's Printer for Ontario and its licensors and may not be reproduced without permission.

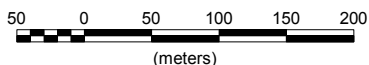
Jun 18 2017 05:03pm

P014



DIHSNMWOL SHTVWCH
DIHSNMWOL YHTVWCH

Scale 1:5000



(meters)

NAD83 / UTM zone 17N

Instruments:

GEM Systems GSM-19 Magnetometer Serial #56700
GEM Systems GSM-19 Magnetometer Serial #7052358

Crossroad Grid
Temagami Gold Inc.

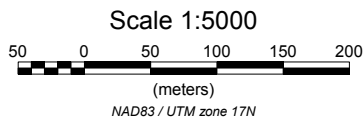
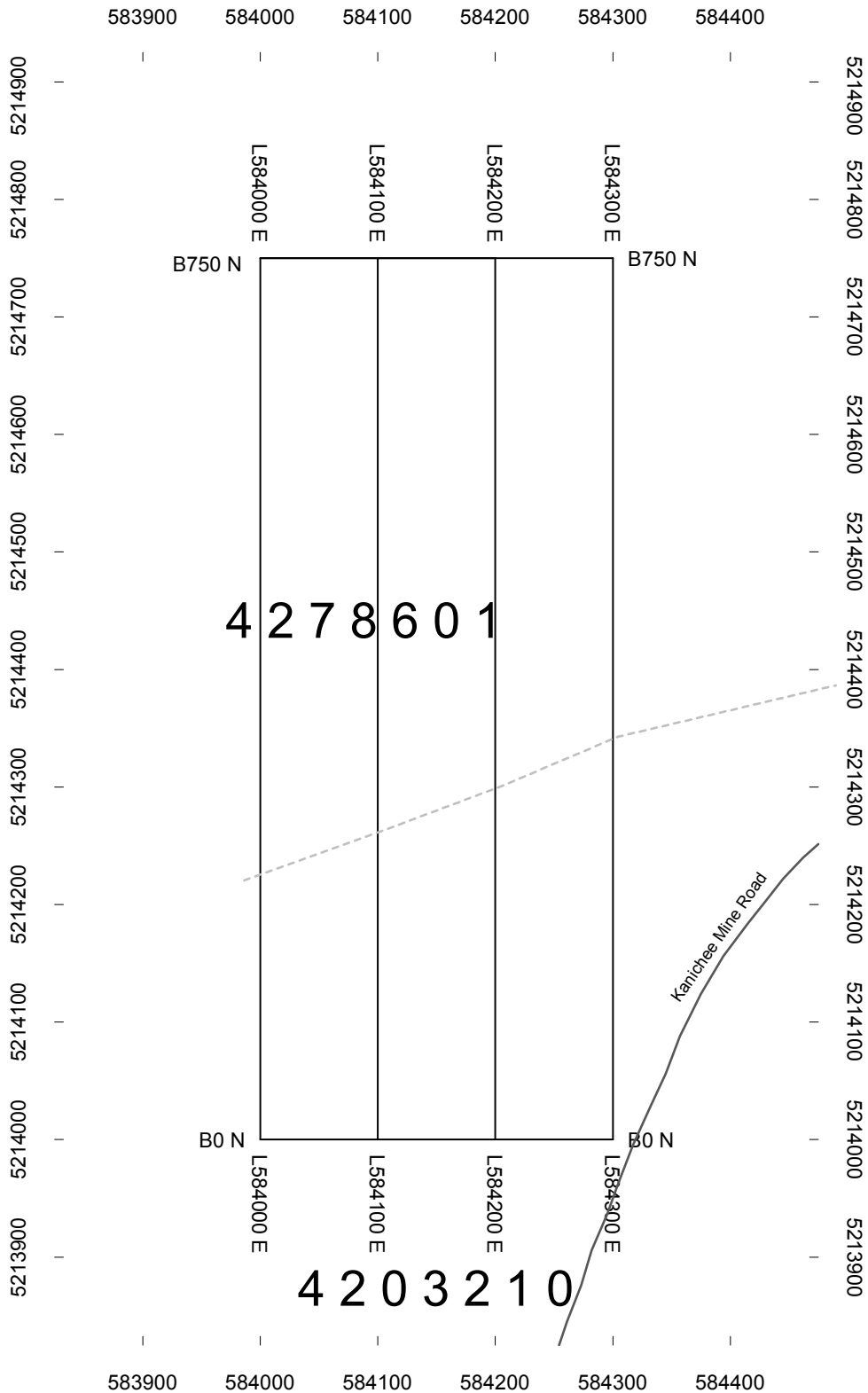
Chambers Township
Sudbury Mining Division

Ground Magnetometer Survey
Total Field Contours

Data Processing and Interpretation by:
Meegwich Consultants Inc.

NTS 31 M/4
Scale 1:5000

June 2017



Crossroad Grid Temagami Gold Inc.		
Chambers Township Sudbury Mining Division		
LOCATION MAP (Claim and Grid)		
Data Processing and Interpretation by: Meegwich Consultants Inc.	NTS 31 M/4	June 2017
	Scale 1:5000	Figure 1