GROUND GEOPHYSICAL SURVEYS
TOWER LAKE PROPERTY (West)
Magnetometer and VLF-EM Surveys

Mattawan Township

November 2000

Meegwich Consultants Inc. P.O. Box 482, Temagami, Ontario P0H 2H0 Tel. (705) 569-2904 Fax. (705) 569-2817

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1.0 INTRODUCTION:

From October 15-31, 2000 a second phase program of linecutting and geophysical surveys was carried out on the Tower Lake Property held by R. Komarechka of Suite 1, 38 Haig St., Sudbury,Ontario P3C 1E2. The first phase in March 2000 included the baseline and all lines on the east side. This second phase amounts to the west extension of the same lines. The geophysical work was executed by David Laronde, Pierre Coulombe and Guy Shouinard and reported on by David Laronde of Meegwich Consultants Inc. P.O. Box 482, Temagami, Ontario POH 2HO.

Linecutting: A total of 9.915 km of linecutting was done. 7.515 km was cut from a 2.400 km. long baseline running at an azimuth of 320 degrees. The old winter cut baseline was re-established for this grid extension. 7.515 km of line were surveyed with total field magnetics and VLF electromagnetics. The lines were cut by McBride Linecutting of Notre Dame Du Nord, P.Q. and are considered to be very good quality.

2.0 PROPERTY:

The 17 unit (340 hectare) property consists of a contiguous group of seven mining claims numbered situated in subdivided Mattawan Township. The claims are located in Lots 2,3,4,5,6 of Concessions IX,X,XI and are in the Sudbury Mining District.

The claims are numbered as follows:

Claim No.	No. of units	Due date
1237432	3	March 3, 2002
1237433	4	March 3, 2002
1229912	2	April 6, 2001
1224151	1	April 6, 2001
1230156	3	April 6, 2001
1230129	1	April 6, 2001
1230149	3	April 6, 2001

3.0 LOCATION AND ACCESS:

The property is located 16 km northwest of the town of Mattawa, Ontario which is 60 km east of the city of NorthBay along Hwy 17.

The claim group is accessed from a seasonal, high quality logging road which branches off Hwy 533 some 13 km northwest of Mattawa. A secondary logging road heads north through the property off the main logging road. This secondary roads winds its

way for 2 km. onto the property. A 4 wheel drive vehicle is recommended since the road can be rugged in places.

4.0 MAGNETOMETER SURVEY:

A total of 7.515 km was surveyed (600 readings) at 12.5 meter stations on lines spaced at 200 meters.

4.1 Instrumentation: A GEM Systems GSM 19 Overhauser Magnetometer, Serial no. 58479 was used for the survey. A base station (Scintrex EDA Omni IV) was set up to monitor and correct for the diurnal variation during the course of the survey. These instruments are micro-processor based and measure the earth's total magnetic field to an accuracy of one-tenth of a gamma.

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

The western extension of the grid has outlined the boundaries of a massive high that was partially covered in the March 2000 survey. The high is oblong trending north-south measuring 1100 meters long and 650 meters wide. The intensity of this high is 600 nT. At the boundaries the values drop gradually over a distance of about 200 meters.

There are intense, isolated magnetic disturbances on L 800 and 1000 N at 200 and 250 W respectively. The intensity here is + 5000 nT and -2444 nT. The width of this anomaly is up to 25 meters. It is possible that these responses are part of the same feature. Due to the high magnetic gradient, a valid reading was not obtained directly over the negative response.

There are also a few isolated highs at 1800 N, 850 W and 1400 N at 100 W.

A noteworthy low runs from 2200 N, 400 W to L 1600 N at 850 W.

5.0 VLF Electromagnetic Survey:

A total of 7.515 km was surveyed for a total of 300 readings taken at 25 meter stations on lines spaced at 100 meters.

5.1 Instrumentation: A Geonics VLF-EM receiver was used for the survey. The VLF transmitter station was Cutler, Maine NAA transmitting at 24.0 kHz. The measured quantities are the in-phase and quadrature components of the vertical magnetic field measured as a percentage of horizontal primary field (read to a resolution of +/- 1%). All readings were taken facing north.

5.2 Survey Results: The results of the survey are presented in profile form on plans at 1:5000 scale.

In many cases weak VLF conductors are electrolytic (bedrock shears and fractures, overburden filled bedrock troughs and valleys) or poorly connected metallic grains such as stringer sulphides. The survey tends to pick up several weak conductors due to the nature of the instrumentation operating at a relatively high frequency.

The only conductor picked up in this phase of work is **Anomaly E** which is a segmented anomaly running from 1600 N at 150 W to 1000 N at 125 W. The anomaly is found on elevated terrain but appears to be a poor conductor near surface. It is possible the source is disseminated sulphides.

6.0 CONCLUSIONS AND RECOMMENDATIONS:

The magnetometer survey has outlined the boundaries of a massive high that likely represents a mafic intrusive body (gabbro).

The more intense isolated highs indicate confined magnetic mineral content that could run from one high to the other for a distance of 200 meters (possible dike). If it is the same feature then it is di-polar since one high is positive while the more southerly occurrence is

negative. The readings found here are commonly associated with iron formations (magnetite). A field check is warranted.

The VLF-EM anomaly encountered is weak but it is located on high ground. A field check with hand trenching could be done as follow-up work over the axis.

In addition to field checks further work should consist of adding lines at 100 meter intervals for improved resolution of the magnetic and EM features outlined.

End

References

Airborne map supplied by client. Source unknown.

CERTIFICATE OF AUTHOR

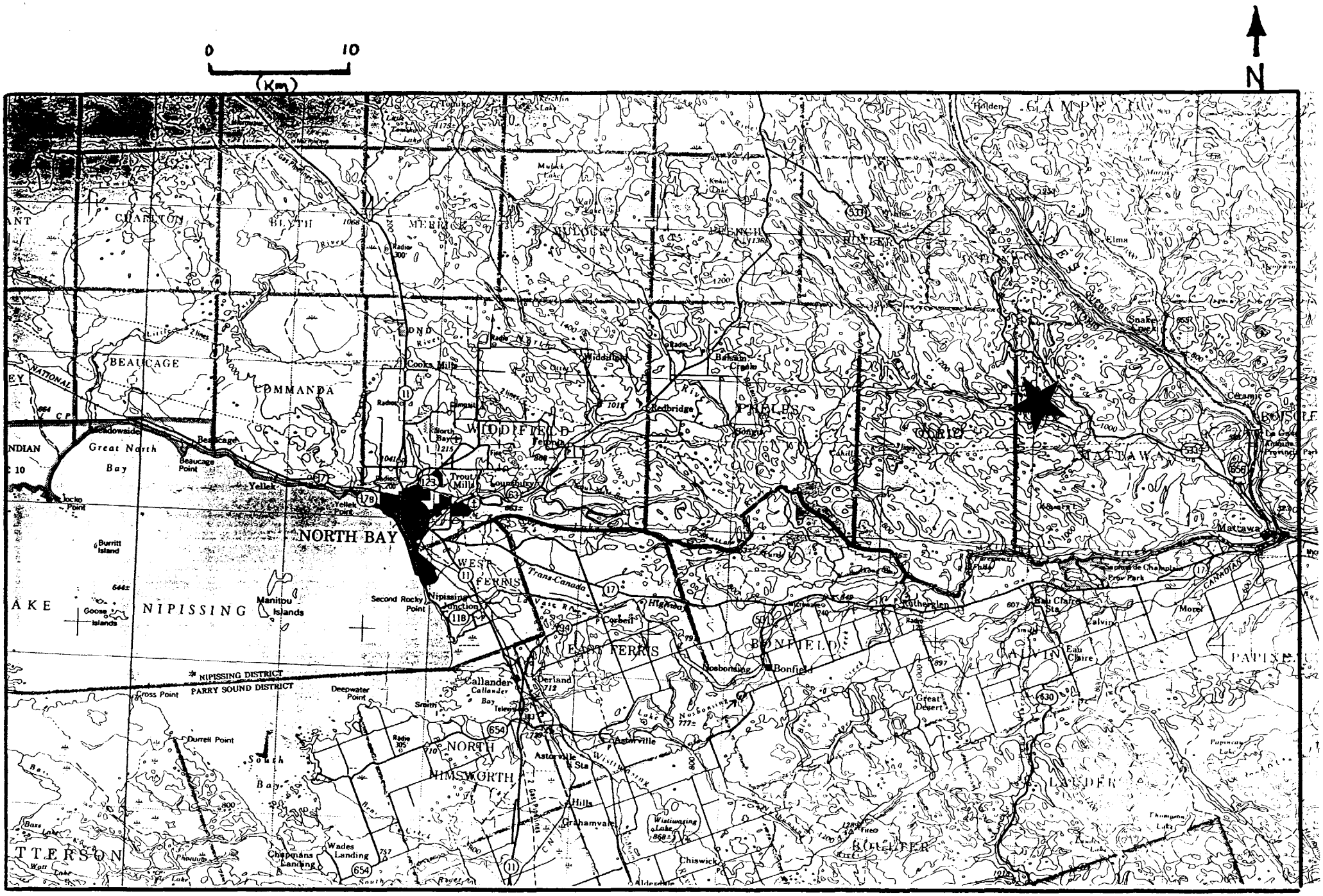
I, David Laronde of the town of Temagami, Ontario hereby certify:

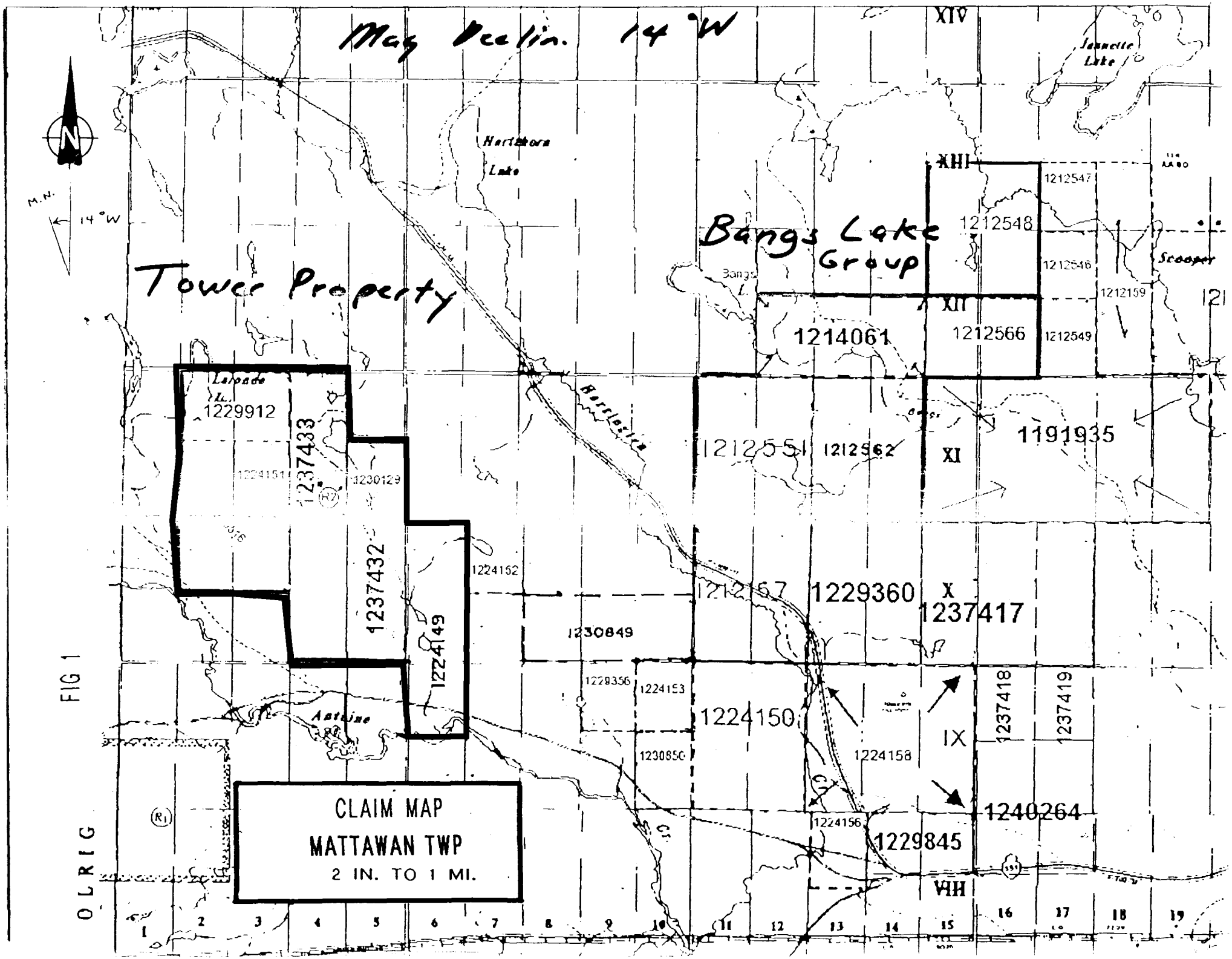
1. That I am a geology engineering technologist and have been engaged the mineral exploration industry for the past 20 years.
2. That I am a graduate of Cambrian College in Sudbury with a diploma in Geology Engineering Technology 1979.

3. That my knowledge of the property described herein was acquired by field work and documentation.

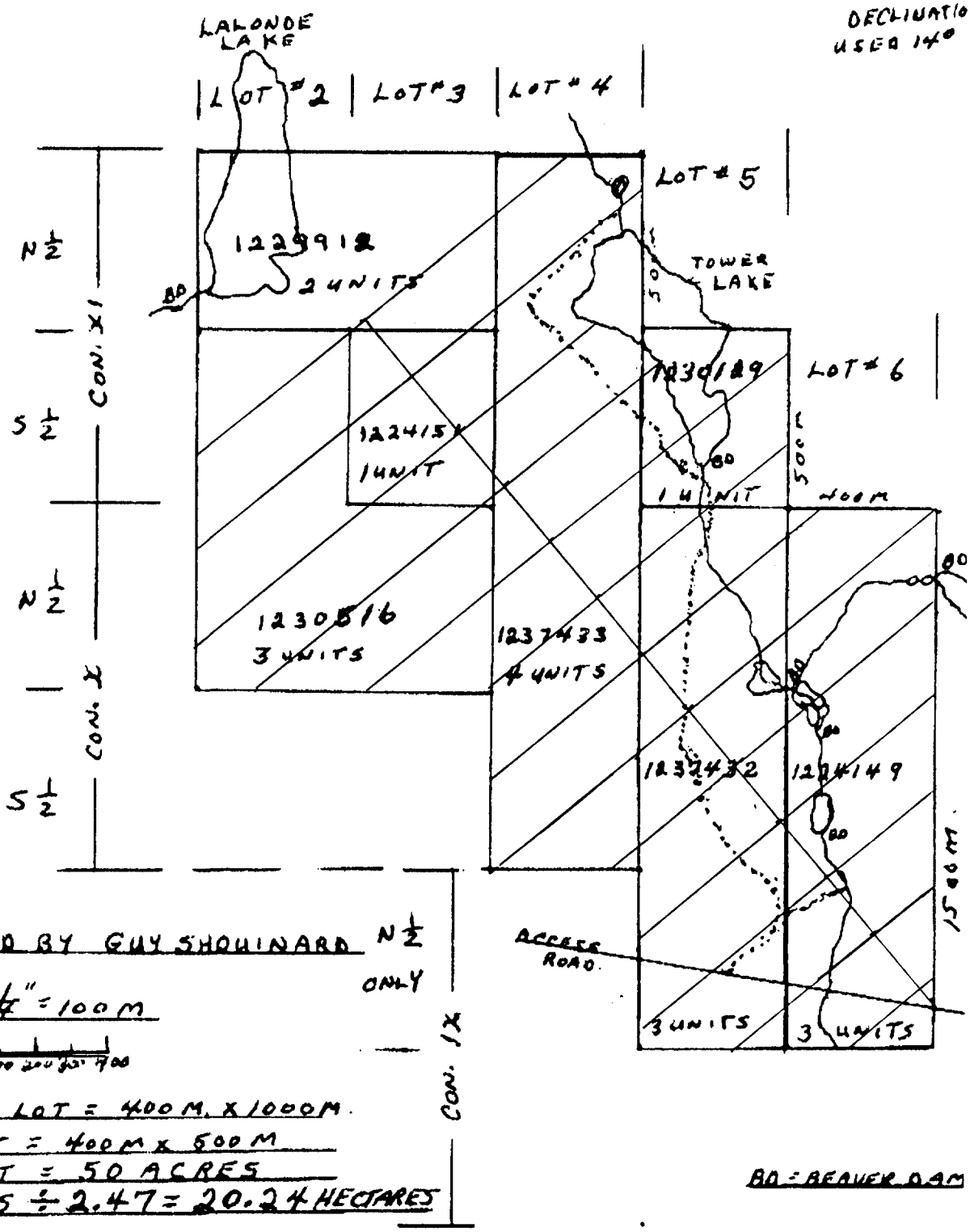
Dated at Temagami this 17th day of November 2000.

David Laronde


0
10
(Km)
N
NORTH BAY
NIPISSING
BEAUCAGE
COMMANDA
CHARLTON
BLYTH
MERRICK
WIDDIFIELD
PHELPS
OSBORNE
MATTAWA
WEST FERRIS
EAST FERRIS
BONFIELD
CALVIN
PAPINEAU
LISTER
NORTH HIMSWORTH
Great North Bay
Beaucage Point
Jocko Point
Yellek Point
Burritt Island
Manitou Islands
Goose Islands
Second Rocky Point
Nipissing Junction
Cross Point
Deepwater Point
Durrell Point
South Bay
Bass Lake
Wade Lake
Callander
Derland
Astorville
Graham
Wistiwasing Lake
Chiswick
Wades Landing
Chapmans Landing
Cooks Mills
Redbridge
Trout Mill
Loundsbury
Widdifield
Balsam Creek
Corbeil
Sturgeon Falls
Nosbonsing
Bonfield
Great Desert
Eau Claire
Rutherglen
Mattawa
Trans-Canada Highway
CANADIAN NATIONAL
NIPISSING DISTRICT
PARRY SOUND DISTRICT


Mag Declin. 14°W
Tower Property
Bangs Lake Group
CLAIM MAP
MATTAWAN TWP
2 IN. TO 1 MI.
1229912
1237433
1237432
1224149
1224152
1230129
1230849
1224150
1224158
1224156
1229845
1240264
1237418
1237419
1214061
1212566
1212548
1212547
1212546
1212549
1212159
1212551
1212562
1191935
1212567
1229360
1237417
XIV
XIII
XII
XI
X
IX
VIII
Jeanette Lake
Scooper
Lalonde L.
Astoine
FIG 1
OLRIG

BARTON MINES TOWER LAKE GROUP.
GARNET EXPLORATION
MATTAWAN TOWNSHIP



CLAIM & GRID MAP

GEM SYSTEM GSM-19 WALKING MAG

INSTRUMENT SPECIFICATIONS

MAGNETOMETER / GRADIOMETER

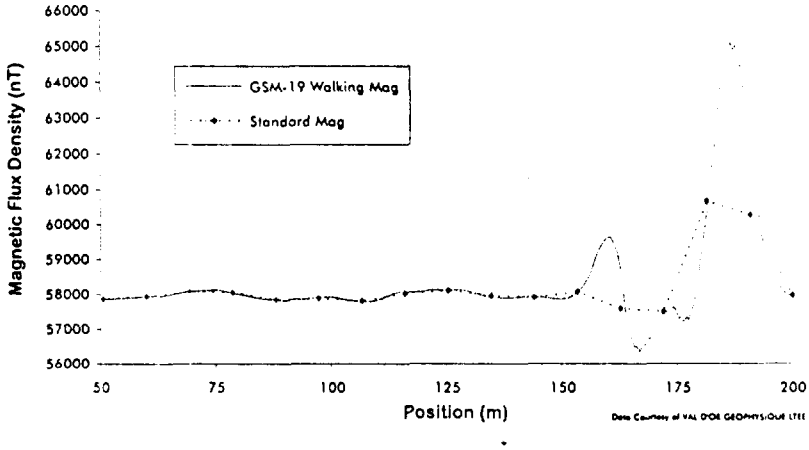
Resolution:	0.01 nT (gamma), magnetic field and gradient.
Accuracy:	0.2 nT over operating range.
Range:	20,000 to 120,000 nT.
Gradient Tolerance:	Over 10,000 nT/m
Operating interval:	3 seconds minimum, faster optional. Readings initiated from keyboard, external trigger, or carriage return via RS-232-C.
Input/Output:	6 pin weatherproof connector, RS-232C, and (optional) analog output.
Power Requirements:	12 V, 200 mA peak (during polarization), 30 mA standby. 300mA peak in gradiometer mode.
Power Source:	Internal 12 V, 2.6 Ah sealed lead-acid battery standard, others optional. 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 °C to +60 °C. 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 operation 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.

"Walking" Magnetometer / Gradiometer

GEM Systems pioneered the GSM-19's innovative "Walking" option that enables acquisition of nearly continuous data on survey lines. Similar to an airborne survey in principle, data is recorded at discrete time intervals (up to 2 readings per second) as the instrument travels along the line. At each major survey picket (fiducial), the operator touches a designated key. The Walking Mag automatically assigns a linearly interpolated coordinate to all intervening readings.

A main benefit of the Walking option is that the high sample density improves definition of geologic structures. And because the operator can record data on a near-continuous basis, the Walking Mag increases survey efficiency and minimizes field expenditures -- especially for highly detailed ground-based surveys.

Near-Continuous Surveys Improve Definition of Magnetic Anomalies



As shown above, near-continuous measurements increase definition. Results from a GSM-19 "Walking Mag" (273 readings over 150 m with 2 sec. cycle time) were compared with results from a standard magnetometer (13 readings over 150m).

VLF-EM GEONICS

EM16 SPECIFICATIONS

MEASURED QUANTITY	Inphase and quad-phase components of vertical magnetic field as a percentage of horizontal primary field. (i.e. tangent of the tilt angle and ellipticity).
SENSITIVITY	Inphase: ±150% Quad-phase: ± 40%
RESOLUTION	±1%
OUTPUT	Nulling by audio tone. Inphase indication from mechanical inclinometer and quadphase from a graduated dial.
OPERATING FREQUENCY	15-25 kHz (15-30 kHz optional) VLF Radio Band. Station selection done by means of plug-in units.
OPERATOR CONTROLS	ON/OFF switch, battery test push button, station selector switch, audio volume control, quadrature dial, inclinometer.
POWER SUPPLY	6 disposable 'AA' cells.
DIMENSIONS	53 x 21.5 x 28 cm
WEIGHT	Instrument: 1.8 kg Shipping: 8.35 kg

CAUTION:

EM16 inclinometer may be damaged by exposure to temperatures below -30°c. Warranty does not cover inclinometers damaged by such exposure.

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)
W0070.00246
Assessment Files Research Imaging

subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this sment work and correspond with the mining land holder. Questions about this collection pment and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

31L07NW2012 2.20766 MATTAWAN 900

Instructions: - For work performed on Crown Lands before **recording** a claim, use form 0240.
- Please type or print in ink.

2.20766

1. Recorded holder(s) (Attach a list if necessary)

Name ROBERT KOMARECHKA	Client Number 153168
Address 38 HAIG. ST - SUITE 1	Telephone Number 705 - 673 - 0873
SUDBURY, ONT P3C 1E2	Fax Number same
Name	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

☑ Geotechnical: prospecting, surveys, assays and work under section 18 (regs) ☐ Physical: drilling stripping, trenching and associated assays ☐ Rehabilitation

Work Type GEOTECHNICAL - GEOPHYSICAL SURVEYS	Office Use
	Commodity
	Total $ Value of Work Claimed 5098.00
Dates Work Performed From 15 10 00 To 31 10 2000 (Day / Month / Year)	NTS Reference
Global Positioning System Data (if available) — Township/Area MATTAWAN	Mining Division Sudbury
M or G-Plan Number	Resident Geologist District Sudbury

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name MEEGWICH INC.	Telephone Number 705 - 569 - 2904
Address P.O. BOX 482 TEMAGAMI, ONT. P0H 2H0	Fax Number 2817
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

4. Certification by Recorded Holder or Agent

I, DAVID LAKONDE (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent		Date Nov 17, 2000
Agent's Address as above	Telephone Number	Fax Number

0241 (03/97)

RECEIVED
NOV 24 2000
GEOSCIENCE ASSESSMENT OFFICE

#2871

5. **Work to be recorded and distributed.** Work can only be assigned to claims that are *contiguous* (adjoining) to the *mining land* where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Revised.

	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map	Number of Claim Units. For other mining land, list hectares.	Value of work performed on the claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg	T9 7927	18 ha	$26,625	N/A	$24,000	$2,625
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 6,692	$4,000	0	$4,692
1	1229112	2				
2	1224151	1	630			630
3	1230516	3	1544			1544
4	1237423	4	1265			1265
5	1230129	1	0			0
6	1237432	3	1029			1029
7	1224149	3	630			630
8						
9						
10						
11						
12						
13						
14						
15						
	Column Totals	17	5098			5098

1230516

I, DAVID LARONDE (Print Full name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing	Date
	Nov 17, 2000

6. **Instruction for cutting back credits that are not approved.**

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- ☑ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☐ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☑ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- ☐ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

0241 (03/97)

TOTAL PAGE.02

NOV 28 '00 20:18 7055692817 PAGE.02

For Office Use Only

Received Stamp | Deemed Approved Date | Date Notification Sent | Date Approved | Total Value of Credit Approved | Approved for Recording by Mining Recorder (Signature)

0241 (03/97)

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use): W0070.00246

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

2.20766

Work Type	Units of Work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Linecutting	9.915 km	295 /km	2925
Magnetometer	7.515	85 /km	639
VLF-EM	7.515	80 /km	601
Report + Maps			600
Associated Costs (e.g. supplies, mobilization and demobilization).			
GST			333
Transportation Costs			
Food and Lodging Costs			
		Total Value of Assessment Work	$5098

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK × 0.50 = Total $ value of worked claimed.

Note:
- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, DAVID LARONDE (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as _____ (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

RECEIVED
NOV 24 2000
GEOSCIENCE ASSESSMENT OFFICE

#2811

Signature: [signature] Date: Nov 17/00

0212 (02/96)

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9845
Fax: (877) 670-1555

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

December 20, 2000

ROBERT GERALD KOMARECHKA
545 GRANITE ST.
SUDBURY, Ontario
P3C-2P4

Dear Sir or Madam:

Submission Number: 2.20766

Subject: Transaction Number(s):	W0070.00246	**Status** Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact JIM MCAULEY by e-mail at james.mcauley@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

Lucille Jerome

ORIGINAL SIGNED BY
Lucille Jerome
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 15533
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.20766

Date Correspondence Sent: December 20, 2000 **Assessor:** JIM MCAULEY

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0070.00246	1224151	MATTAWAN	Approval	December 20, 2000

Section:
14 Geophysical MAG
14 Geophysical VLF

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.

Correspondence to:

Resident Geologist
Sudbury, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

David Laronde
TEMAGAMI, ONTARIO

ROBERT GERALD KOMARECHKA
SUDBURY, Ontario

Correspondence ID: 15533

REFERENCES

AREAS WITHDRAWN FROM DISPOSTION

M.R.O. - MINING RIGHTS ONLY
S.R.O. - SURFACE RIGHTS ONLY
M.+S. - MINING AND SURFACE RIGHTS

	Description	Order No.	Date	Disposition	File
R1	SEC. 35/80	W.2/82	18/4/82	M.R.S.	67578
R2	CROWN RESERVE			S.R.O.	161667
R3	WITHDRAWAL	W-6-85/86 02/08/86		M & S	195180

R4 SEC 35 W-LL-P148/99 ONT MAY 14/99 M&S

R5 SEC35 W-LL-P131/99 ONT MAY 14/99 M&S
200 METERS FROM THE WATER'S EDGE.

R6 SEC 35 W-LL-P123/99 ONT MAY 15/99 M&S

2.20766
MAG.,
VLF.

MINING CLAIMS STAKED IN THIS TOWNSHIP ARE SUBJECT TO SEC. 43 OF THE MINING ACT, R.S.O. 1970.

B.R.-6912 (L.L.R. PR.126 Cal L)

* See Calvin Township Lot A 5.11 File for Plan of Prov. Park

JUNE 1ST. OPENING
ONTARIO GAZETTE VOL.123-18
MARCH 31, 1990 AND VOL.123-18 MAY 5, 1990
PT. LOT 37, CONC.V MRO

ANTOINE

PROVINCE OF QUEBEC

OLRIG

CALVIN

PAPINEAU

Harrington Lake
Montreuil Lake
Duchesne Lake
Jeanette Lake
Northern Lake
Lavoie L.
Scooper
Smith's
Bangs L.
Kearney Lake
Purdy Lake
Chant Plain Lake
Beam L.
Bouillon L.
Ottawa River
Mattawa River
Antoine Creek
Mattawa River
Bay
La Cave
Ranger Bay
East Mountain Lake

CON. VI, I
CON. III
Con III
Con II
Con I

XV XIV XIII XII XI X IX VIII VII VI V IV III II I

1212547 1212548 1212548 1212559 1212566 1212549 1212555 1212562 1212567 1212158 1214061 1191935 1229360 1237417 1237418 1237419 1224150 1224158 1224156 1240264 1229845 1229912 1237433 1224151 1230129 1237432 1224102 1237429 1230849 1229356 1224153 1230850 1196016

Samuel De Champlain Provincial Park

Ontario Regulation 403/85 Extension

RESERVED RIGHTS TO ONT. HYDRO WITHDRAWN FROM STAKING 86/4/09

Pt. L, 2, 3, 4, 5, 6, 4, 7, 8, 9, 10, 11

REFERENCES

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.

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	R
CANCELLED	C
SAND & GRAVEL	G

LAND USE PERMITS FOR COMMERCIAL TOURISM OUTPOST CAMPS

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

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 (1 KM) 2000 (2 KM)

ACRES	HECTARES
40	16

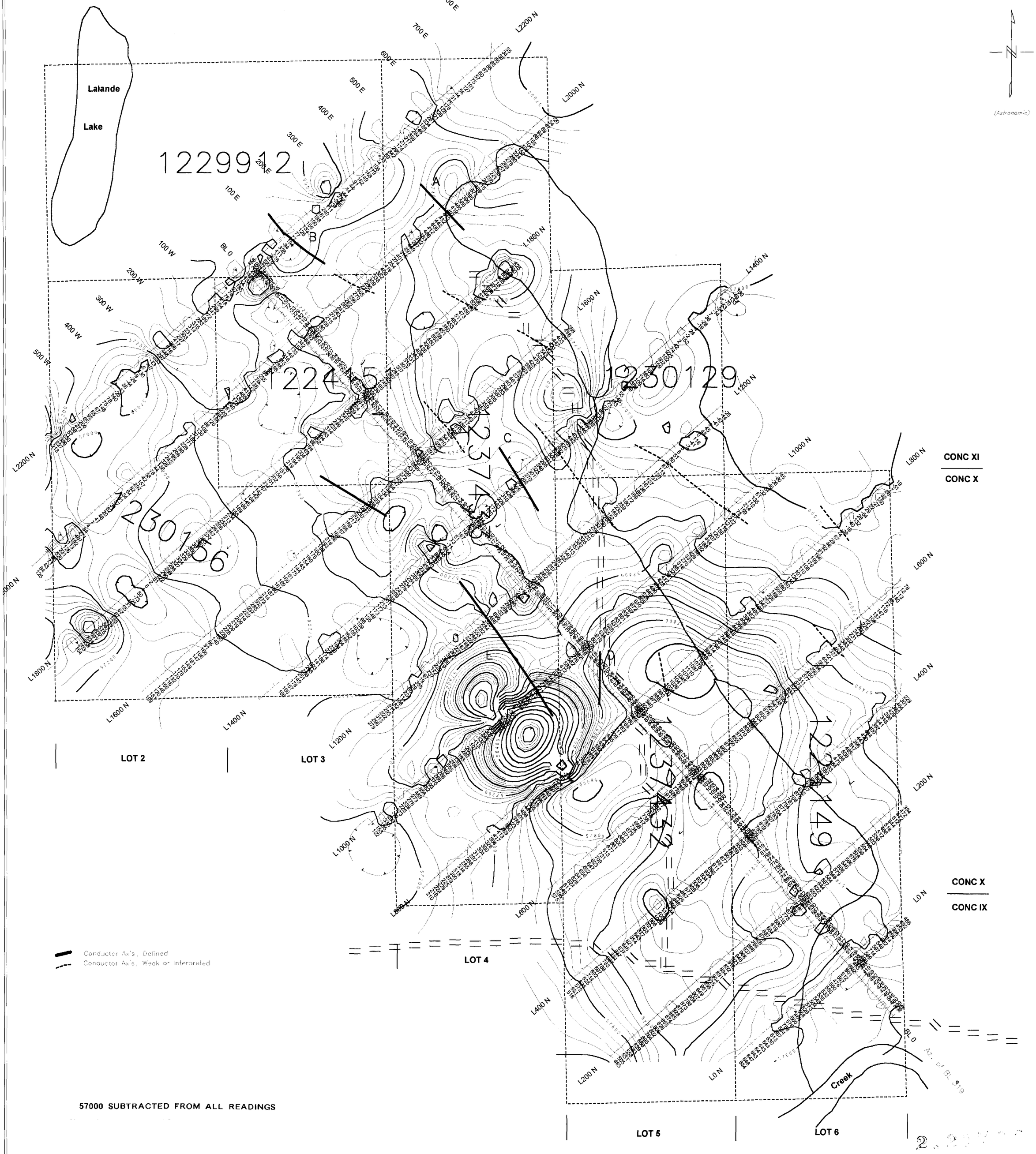
TOWNSHIP

MATTAWAN

M.N.R. ADMINISTRATIVE DISTRICT
NORTH BAY
MINING DIVISION
SUDBURY
LAND TITLES / REGISTRY DIVISION
NIPISSING

Ontario Ministry of Natural Resources — Land Management Branch

Date	Number
OCTOBER 1984	G-1633



57000 SUBTRACTED FROM ALL READINGS

Instruments: GEM Systems GSM-19 Magnetometer Serial #58479
Scintrex EDA Omni IV Base Station Serial #228225
Geonics EM-16 VLF Receiver Serial #10585

VLF Station: NAA 24.0 kHz Cutler Maine

Scale 1:5000

100 0 100 200 300
metre

Tower Lake Property

Mattawan Township, Ontario

Ground Geophysical Surveys
Total Field Magnetics
Contours

Data Processing and Interpretation by: Meegwich Consultants Inc.	Scale 1:5000	NTS 31 L/7
	March 2000	

Lalande

Lake

1229912

1224151

1230129

1230756

1234432

1234431

1234149

A

B

C

D

E

BL 0

800 E
700 E
600 E
500 E
400 E
300 E
200 E
100 E
100 W
200 W
300 W
400 W
500 W

L2200 N
L2000 N
L1800 N
L1600 N
L1400 N
L1200 N
L1000 N
L800 N
L600 N
L400 N
L200 N
L0 N

CONC XI
CONC X
CONC X
CONC IX

LOT 2
LOT 3
LOT 4
LOT 5
LOT 6

(Astronomic)

Creek

Az. of BL 319°

Conductor Axis, Defined
Conductor Axis, Weak or Interpreted

In-Phase
Quadrature

Profile Scale: 1 cm = 20%

Scale 1:5000

100 0 100 200 300

metre

Instruments: *GEM Systems GSM-19 Magnetometer Serial #58479*
Scintrex EDA Omni IV Base Station Serial #228225
Geonics EM-16 VLF Receiver Serial #10585

VLF Station: *NAA 24.0 kHz Cutler Maine*

2.20766

Tower Lake Property

Mattawan Township, Ontario

Ground Geophysical Surveys
VLF - EM Survey
Profiles of the In-Phase and Quadrature

Data Processing and Interpretation by:	*Scale 1:5000*	*NTS 31 L/7*
Meegwich Consultants Inc.	*March 2000*	