



52F15SE2014 2.24234

BROWNRIDGE

010

A LINE CUTTING AND GEOPHYSICAL
REPORT

for

HOUSTON LAKE MINING INC.
2892 White Street
Val Caron, Ontario

on the

"Ghost Lake Property"
Dryden, Ontario

2 . 24234

by:

RAYMOND LASHBROOK
LASHEX LTD.
AUG. 13, 2002

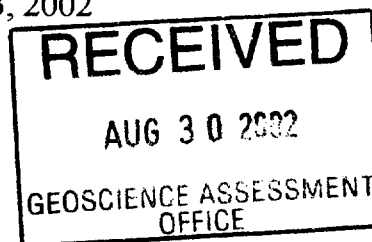


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INTRODUCTION

A program consisting of line-cutting, magnetometer and vlf electromagnetic surveys was conducted over the property owned by Houston Lake Mining Inc. in the Townships of Brownridge and Zealand. The property is being investigated for rare earth elements associated with pegmatites. During the course of the program it was noted that an open space existed between the patent ground (K489140) and claim 1166874 to the south. This area was filled in by staking claim 1247316. The survey located many magnetic anomalies and electromagnetic conductors some of which are coincidental.

This report covers the results of this program and gives a conclusion and recommendation.

PROPERTY

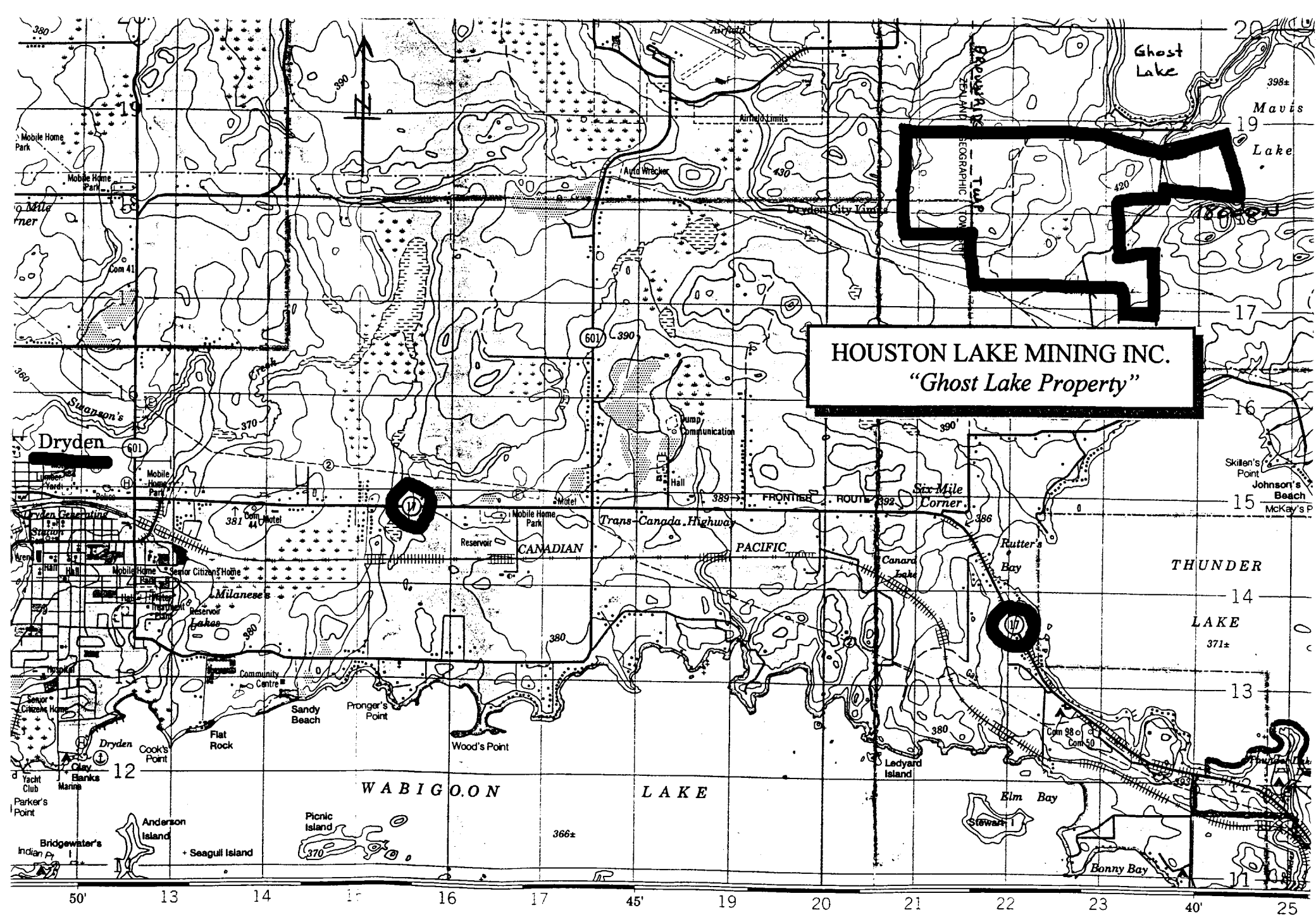
The property consists of 5 claims blocks. A new claim, 1247316, was staked to cover open ground south of the patent properties on the east side. This new claim is about 200 metres x 400 metres.

<u>Claim #</u>	<u>Units</u>	<u>Hectares</u>	<u>Township</u>
1149657	16	256	Brownridge
1149658	6	96	Zealand
1166873	6	96	Brownridge
1166874	1	16	Brownridge
1247316	<u>0.5</u>	<u>8</u>	Brownridge
	29.5 units	472	

The claims are held by: Houston Lake Mining Inc.
 2892 White Street
 Val Caron, ON, P4N 1B2

LOCATION AND ACCESS

The property is located approximately 7 kilometers east of Dryden in the Townships of Brownridge and Zealand, Kenora Mining Division. Access is gained by traveling off highway 17 on the Thunder Lake Road and then north on the Ghost Lake Road for approximately 1 kilometer. The south boundary of the claims is at the Mining Road to the east and the West Ghost Lake Road to the west. Both these roads, after a short distance, cut diagonally across the property.



HOUSTON LAKE MINING INC.
"Ghost Lake Property"

DRYDEN
 KENORA DISTRICT

Fig. 1

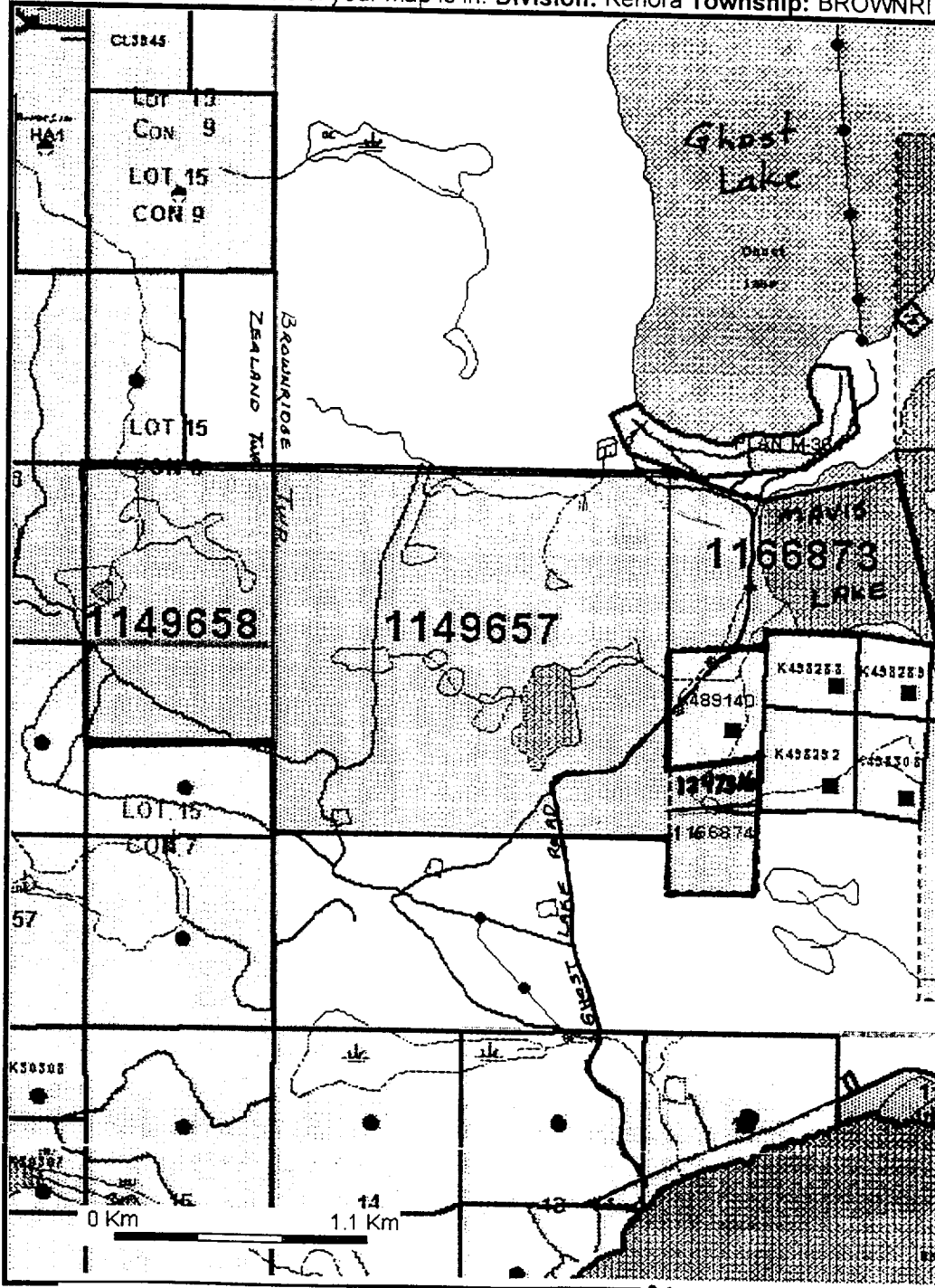
dual highway more than 2 lanes
 double chaussée plus de 2 voies
 2 lanes less than 2 lanes

CONVERSION SCALE FOR ELEVATIONS

Metres 30 20 10 0 50 100

Feet 100 50 0 100 200 300 400

The centre of your map is in: Division: Kenora Township: BROWNRI



CLAIM MAP
Fig. 2

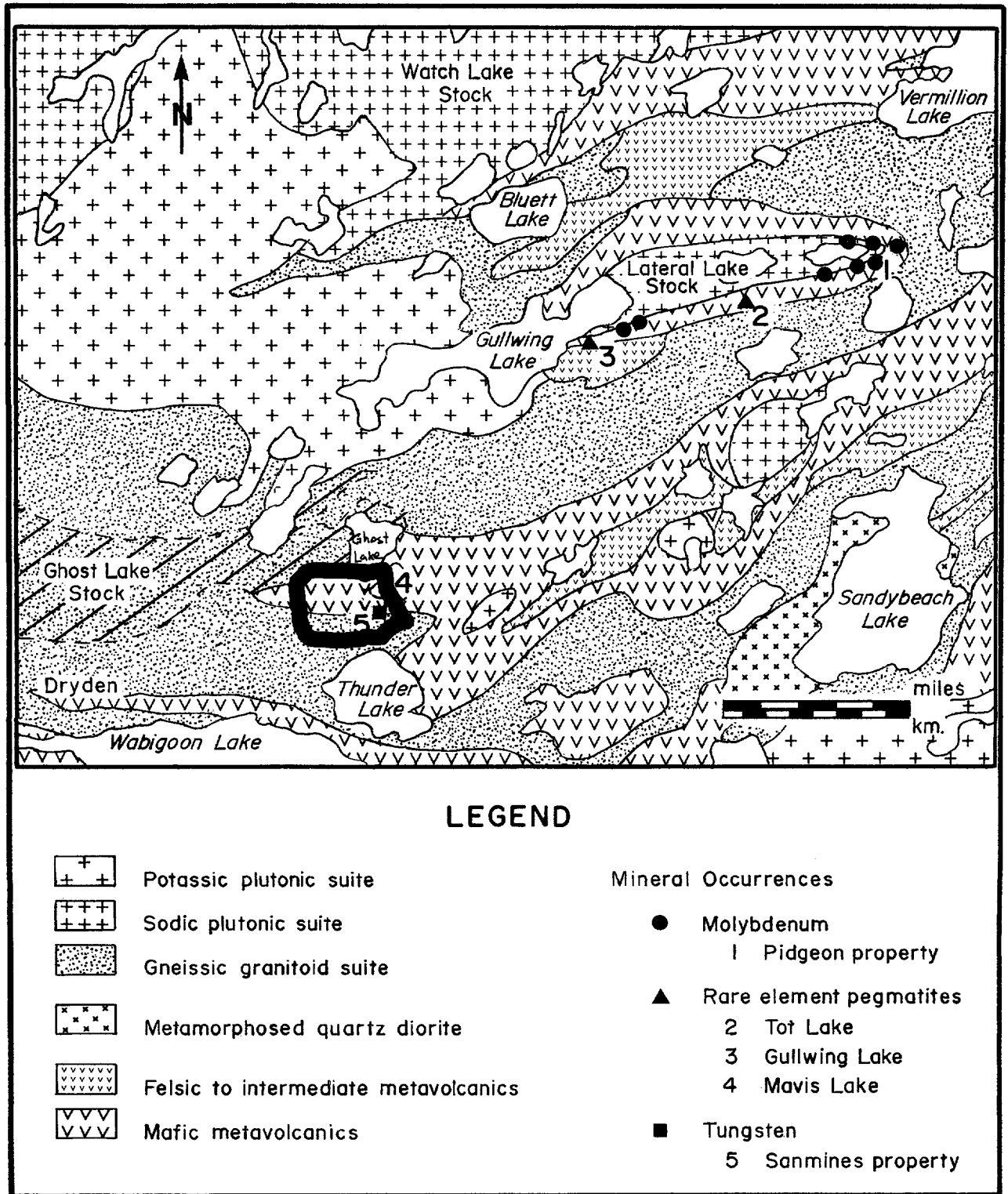


Figure 1. Generalized geology of the Sioux Lookout-Dryden area (after Breaks et al. 1978).

fig. 3

PREVIOUS WORK

The property and surrounding area has been subject to exploration in the past. During the course of this program numerous old trenches were located on and near the lines. These appear to be mainly in the sulfide mineralized zones and are probably related to exploration for gold and/or base metals.

1956- Spodumene pegmatites were discovered near Mavis Lake, Brownridge Twp. and were explored by Lun-Echo Gold Mines Limited by trenching, 40 diamond drill holes totaling 1968 metres. They established lithium mineralization over a strike length of 670 metres and from 1.5 to 11 metres wide. In 1979 Selco Mining Corporation Limited carried out geological mapping, diamond drilling, and a lithium litho-geochemical survey over the Mavis Lake spodumene pegmatite property.

The reader is referred to the MNM Assessment Files for a more complete set of work performed on the property.

GENERAL GEOLOGY

The Ghost Lake area is regionally situated along the southern boundary of the English River Subprovince where an interdigitating interface with the Wabigoon Subprovince has been previously defined by Breaks et al (1978). This portion of the Southern Plutonic Domain of the English River Subprovince contains an anomalously high proportion of supracrustal rocks.

On the property the mafic volcanic sequence forms a westward pointing block terminating in a gneissic granite suite to the south and the Ghost Lake Stock along the north boundary.

The volcanic sequence is composed of mafic flows, tuffs and interflow sediments. Numerous sulfide (pyrite, pyrrhotite) horizons were noted in the field and were easily traced with the vlf survey.

Metamorphism of the volcanics increases as the contact with the Ghost Lake Stock is approached.

Pegmatite dykes, of several meters in width, were noted in outcrops mainly near the baseline in the eastern part of the property.

LINE-CUTTING PROGRAM

A baseline was established at the point where the road crosses by using a G.P.S. and running an east-west line. Cross lines were established every 100 meters along the base line and turned with a turning board. Stations were located every 25 meters along the cross lines. A tie-line was turned off at 9+75S from line 10+00E and cut east-west to the claim boundaries. Lines below Star Lake and below the patent ground in the east were turned off, cut and back chained from the tie-line.

A total of 47.36 kilometers of chain saw cut grid was established.

GEOPHYSICAL PROGRAM

A program consisting of magnetometer and vlf-EM surveys was conducted over the total grid. Magnetometer readings were taken every 12.5 metres along the lines while electromagnetic readings were taken every 25 metres. A base station was established near the camp at -19+45 E, 7+35S with a base value of 58,200 nanoteslas.

The instrument used was a Scintrex MP-4/VLF-4, Serial #8707309 . The vlf station used was Cutler, Maine with a frequency of 24.0 kHz. The base station recorder was a Gem magnetometer, GSM-19, Serial #58479.

The operators were Raymond Lashbrook and Donald Lashbrook

Magnetometer Survey

The magnetometer survey showed that the property is divided into distinct geological areas. The north side of the property is underlain by rocks with a broad, medium magnetic response. Granitic rocks were noted in this section of the property.

Near the baseline the magnetic features are locally spotty highs. This area is probably the contact zone between the granitic rocks to the north and the metavolcanic and metasedimentary rocks to the south. The meta-volcanics in this area are metamorphosed to a higher degree. It is also along this zone that numerous pegmatites were noted in the outcrops.

The third feature is a broad zone of linear high magnetic responses trending mainly east - west from about 200 metres south of the baseline to about 880 south. The cause of these anomalies are probably mafic volcanic flows and magnetite bearing tuffs and interflow sedimentary horizons that contain magnetite and sulfides. This zone is marked by trenches in the western portion of the grid that have been put down on sulfide rich horizons (pyrrhotite, pyrite).

The last magnetic feature is a zone of low flat magnetic responses along the south side for the last 300-400 metres. This area appears to be covered by a fairly thick cover of sand and gravel.

A peculiar feature on TL 975S at L1900E is caused by an old dump that has been rehabilitated and covered over with sand and gravel.

In places the magnetic signature appears as rounded blobs due to the computer drafting program not joining from line to line or extrapolating values over larger areas and accentuating the contour area.

VLF Electromagnetic Survey

The VLF-Electromagnetic survey outlined numerous conductors. Some of the weaker conductors are probably caused from swamp contacts, side hills, etc. and will not be discussed further. They have not been assigned an alphabetic designation on the map. Some however may be important if they can be correlated with the mapped geology e.g. shears or faults.

Conductor A - Lines 600 and 700E, ~425-450N, weak magnetic association - probably a bedrock source.

Conductor B - L1000E to L1400E, 450 - 500N, weak positive and low magnetic correlation, possible bedrock conductor.

Conductor C - L100E to L2000E (1900 m.) near baseline most of the way, possibly striking ENE last 200 meters. Has a disjointed appearance possibly due to proximity to the granite contact. Has some magnetic correlations along with flanking some highs and lows. The length of the conductor probably indicates a bedrock source.

Conductor D - L100E to L 700E, sinuous appearance from 100S to 200S; may continue on for another 300 m as indicated by inflections to the readings; has a weak magnetic correlation in places; probably a bedrock source.

Conductors E, F, G, H, I and J - L100E to L1800E, 425S to 825S; have some magnetic correlations in places and not in others; probably caused from sulfide horizons (pyrrhotite,pyrite,+/-magnetite) within the interflow metasedimentary or tuffaceous rocks; the conductors that lack a magnetic association are probably disseminated pyrite only; some trenches were noted on some of these conductors mainly in the west side of the property; some of the profiles, e.g. conductor J, exhibit a cross-over of the in-phase (- to +) and the quadrature (+ to -) which usually means a good bedrock source for the conductor.

Conductor K - L2100E to L2790E, 750 to 800S; offset between L2500E and L2508E may be due to chainage problems; may be the continuation of anomaly I; the west half of the anomaly flanks a magnetic high and correlates with a weak to medium magnetic anomaly; has good cross-over between the in-phase and quadrature readings; probably a good bedrock source.

Conductor L - L2600E, 900S; strong one line conductor; at edge of logging road, may be cultural.

Conductor M - L2790 E, 550S; strong one line conductor that may continue to the east; on edge of magnetic anomaly; probable bedrock source.

CONCLUSIONS

The line-cutting and geophysical program performed over this property located many magnetic anomalies and electromagnetic conductors. How they help in the search for rare earth metals in pegmatites will have to wait until the property has been further evaluated by mapping and prospecting.

Taken together the magnetic and electromagnetic surveys have delineated different geophysical responses indicating different bedrock sources.

Exploration in the past on this property has been directed towards both rare earth mineralization in pegmatites in the granite and base metals and/or gold in the metavolcanic and metasedimentary horizons as demonstrated by the number of trenches put down on the sulfide horizons. These horizons have been traced across the property by the vlf and are valid exploration targets. A large area has been logged in the central part of the property and roads exist into the area that probably did not when exploration was previously carried out.

While this program was being carried out strong tornado like winds cut through the area and knocked down thousands of large trees mainly jack pine. In places this has exposed new outcrops that should aid in the mapping and interpretation of the property geology.

More work is definitely required on the property. Mapping and prospecting should be carried out to define pegmatites that the geophysics would not pick up unless they contained magnetite.

RECOMMENDATIONS

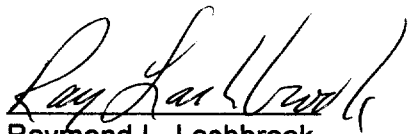
The following program is recommended as a next exploration phase on this property:

- a) the property should be mapped and prospected
- b) stripping and sampling of all pegmatites for rare earths should be undertaken
- c) the trenches located along the south and west side of the property should be re-sampled for gold and base metals
- d) prospecting should be carried out along the vlf conductors especially in the cut over area as there are many newly exposed outcrops.
- e) to the south these conductors and mag anomalies are covered with a thicker layer of gravel and sand. A geochemical survey may indicate if these sites contain gold or base metals.

STATEMENT OF QUALIFICATIONS

I, **Raymond L. Lashbrook**, do hereby declare:

- i) that I reside at: 973 Pine Creek Road South, R.R.#1
Callander, Ontario, P0H 1H0
- ii) that I attended Haileybury School of Mines in the Two Year Mining Technician course
from 1967 to 1969.
- iii) that I have been practicing my profession ever since.
- iv) that I have personal knowledge of the facts presented in this report.
- v) that I own a contract exploration company, Lashex Ltd., that performed the
assessment work being submitted.



Raymond L. Lashbrook

Aug. 13, 2002

Technical Description of the MP-3 Proton Magnetometer

Total Field Operating Range
20,000 to 100,000 nT (1 nT = 1 gamma)

Gradient Tolerance
±5000 nT/m

Total Field Absolute Accuracy
±1 nT at 50,000 nT
±2 nT over total field operating range

Resolution
0.1 nT

Tuning
Fully solid-state. Manual or automatic keyboard selectable.

Fastest Cycle Time
2 seconds. For portable readings this is the time taken from the push of a button to the display of the measured value.

Continuous Cycle Times
Keyboard selectable in 1 second increments upwards from 2 seconds to 999 seconds.

Operating Temperature Range
-40°C to +50°C provided optional Display Heater is used below -20°C.

Digital Display
32 character, 2 line LCD display

Keyboard Input
14 keys for entering all commands, coordinates, header and ancillary information.

Languages
English plus French is standard.

Clock
Real time clock with day, month, year, hour, minute and second. Needs keyboard initialization only after bat-

tery replacement. One second resolution, ±1 second stability over 12 hours.

Standard Memory
16K RAM internal solid-state memory in single reading mode records up to 1175 total field and gradient observations, or 1350 total field measurements including coordinates, time and header information. In continuous cycle mode, records up to 8000 total field measurements including time and header information.

Digital Data Output
RS-232C serial interface for digital printer, modem, microcomputer, cassette tape recorder, a second MP-3 or an IGS-2/MP-4. Data outputs in 7 or 8 bit ASCII, one start, two stop bits, no parity format. Baud rate is keyboard selectable at 110, 300, 600, 1200, and 2400 baud. Carriage return delay is keyboard selectable in increments of one from 0 to 999. Handshaking is done through X-on/X-off protocol.

Analog Output
For a strip chart recorder. 0 to 999 mV full scale with keyboard selectable sensitivities of 10, 100 or 1000 nT full scale.

Trigger Output
Allows MP-3 to act as master for other instrumentation.

Console Dimensions
240 x 90 x 240 mm includes mounted battery pack.

Weight
2.4 kg excludes batteries.

Power Requirements
Can be powered by external 12 V DC or one of the Battery Pack Options listed below.

Sensor Options

In the following options the actual sensors are identical, however, mountings and cables vary.

Portable Total Field Sensor Option
Includes sensor, staff, one short cable, one long cable and backpack sensor harness. Weight of sensor, cable and staff is 1.9 kg. Staff comprises four 0.5 m sections of 25 mm diameter aluminum tubing.

Base Station Sensor Option
Includes sensor, tripod, 50 m cable, external power cable and analog chart recorder cable. Weight of sensor, cable and tripod is 6.5 kg. Tripod is 530 mm collapsed, 1500 mm extended.

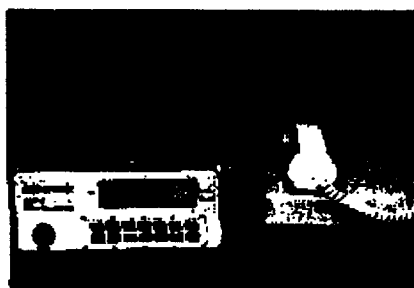
Gradiometer Sensor Option
For use with the Portable Total Field Sensor Option. Includes second sensor, cables and two 0.5 m staff extenders. Combined weight of Total Field and Gradiometer Sensor options with staff, 1 m extender and cables is 3.5 kg.

Marine Sensor Option
Includes sensor installed in a fish with cable up to 100 m in length.

Airborne Sensor Option
Includes sensor installed in a 'bird' with a tow cable or in a 'stinger' mounted on the aircraft.

Battery Pack Options

Non-rechargeable Battery Pack
Includes battery holder and 10 disposable 'C' cell batteries for installation on console. Nominal capacity is 4.0 Ampere hours. Used in low sensitivity total field magnetometry in



With the use of a modem the MP-3 can send its data across telephone lines.



The MP-3 outputs directly to a digital printer.

Technical Description of the MP-3 Proton Magnetometer

temperatures above 0°C. Weight is 0.9 kg. At 25°C gives 10,000 total field or 5000 total field gradient readings.

Rechargeable Battery Pack and Charger

Includes battery holder, 8 rechargeable, non-magnetic, sealed lead-acid batteries and charger for installation on console. Best for high sensitivity total field measurements and operation below 0°C. Pack weighs 1.3 kg. Nominal capacity is 2.5 Ampere hours. At 25°C gives 7000 total field or 3500 total gradient readings. Charger specifications are: 140 x 95 x 65 mm, 115/230 V AC; 50/60 Hz; 20 VA, overload protected.

Heavy Duty Rechargeable Battery Pack

Includes heavy duty rechargeable batteries installed in a console with a built-in charger. Used for rapid cycling base station or mobile applications. Total weight is 7.6 kg. Nominal capacity is 12.5 Ampere hours. Dimensions are 240 x 90 x 240 mm. Power requirements: 115/230 V AC; 50/60 Hz; 50 VA. Overload protected.

Low Temperature Battery Extender Kit

Comprises a cover for the bottom of the instrument console, a battery pack cover, a waist belt and a battery cable. Slots on the battery pack cover permit belt mounting next to the operator's body for warmth.

Optional Accessories

Language Options

In addition to English, a second language using Latin characters can replace French.

RS-232 Cable and Adaptor

Includes a special RS-232 data transfer cable and MP-3 to RS-232 cable adaptor. Used for communicating between the MP-3 and peripheral devices including a second MP-3 or IGS-2/MP-4 for diurnal corrections.

Minor Spare Parts Kit

Includes 2 keyboard diaphragms and two fuses.

Carrying Cases

A variety of carrying cases are available to suit different combinations of console and sensor options.

Display Heater

Required for cold weather operation. Powered by main batteries, thermostatically controlled to turn off above -20°C.

MP-3/4 Proton Magnetometer Function Tester

When connected between the console and sensor, applies a signal to test the polarizing circuit, the coil and the signal processing circuitry. Switch selectable magnetic field simulation at 22,500; 30,000; 45,000; 60,000 and 90,000 nT.

Peripheral Devices

Scintrex is prepared to recommend or supply digital printers, modems, cassette tape recorders, analog recorders and microcomputers with software.

Applications Software

Scintrex supplies fully documented software written for the IBM PC computer and certain other microcomputers which use the MS-DOS operating system. This software is designed to permit: 1) archiving of data, 2) processing of magnetic data and 3) profile and contour outputs on digital printers.

Memory Expansion Options

Memory Expansion I

Memory can be added on an existing board to complement the 16K RAM Standard Memory. This can be done in up to six 8K RAM increments to raise system memory to a total of 64K RAM. Each 16K RAM increment holds as many readings as the Standard Memory.

Memory Expansion II

An additional board is required on which an additional sixteen 8K RAM groups can be installed to bring the system total memory to 192K RAM. Each 16K RAM increment holds as many readings as the Standard Memory.

SCINTREX

222 Snidercroft Road
Concord Ontario Canada
L4K 1B5

Telephone: (416) 669-2280
Cable: Geoscint Toronto
Telex: 06-964570

Geophysical and Geochemical
Instrumentation and Services

Technical Description of the VLF-3 VLF Electromagnetic System

Frequency Tuning

Automatic digital tuning. Can be tuned to any frequency in the range 15.0 to 29.0 Hz with a bandwidth of 150 Hz. Up to three frequencies can be chosen by keyboard entry for sequential measurements.

Field Strength Range

Fields as low as 100 nA/m can be received. Maximum received field is 2 mA/metre. These values are specified for 20 kHz. For any other frequency, normalize the above limits with station frequency in kHz/20.

Signal Filtering

Narrow bandpass, low pass and sharp cut-off high pass filters.

Measuring Time

0.5 seconds sample interval. As many as 2¹⁴ samples can be stacked to improve measurement accuracy.

VLF-Magnetic Field Components Measured

1) Horizontal amplitude, 2) vertical in-phase component, and 3) vertical quadrature components. Vertical components are displayed as a percentage of horizontal component and are related in phase to the horizontal component. Their range is $\pm 120\%$; reading resolution 1%.

VLF-Magnetic Field Sensor

Two air-cored coils in a backpack mounted housing with an electronic level for automatic tilt compensation. The error in the vertical in-phase component is less than 1% for tilts up to 25°.

VLF-Electric Field Dipole

Two capacitive electrodes with integral preamplifiers and 5 m of cable. Probe input impedance exceeds 100 megaohms and capacitance is less than 1 picofarad.

VLF-Electric Field Components Measured

In-phase and quadrature components of the horizontal electric field phase related to the horizontal VLF-magnetic field. These components are not recorded but are used in the calculations of resistivity and phase. The reading resolution is 1 ohm.

Apparent Resistivity Calculation

$$\rho = \frac{1}{2\pi f \mu_0} \left| \frac{E_x}{H_y} \right|^2$$

where:

- ρ = apparent resistivity in ohm-meters
- E_x = horizontal electric amplitude, calculated.
 $E_x = (E_x(I)^2 + E_x(Q)^2)^{1/2}$
- H_y = horizontal magnetic amplitude, measured
- f = VLF station frequency in Hertz
- μ_0 = permeability of the ground in Henries/meter, a constant

The resistivity calculation has a range of 1 to 100,000 ohm-meters with a resolution of 1 ohm-meter.

Phase Angle Calculation

The phase angle θ is expressed as:

$$\theta = \arctan \frac{E_x(Q)}{E_x(I)}$$

where:

- $E_x(Q)$ = horizontal quadrature VLF electric field, measured
- $E_x(I)$ = horizontal in-phase VLF electric field, measured

The phase angle calculation has a range of -180° to +180° with a resolution of 1°. By definition the angle is positive when the E field leads the H field.

Digital Display

32 character, 2 line LCD display

Keyboard Input

14 keys for entering all commands, coordinates, header and ancillary information.

Languages

English plus French is standard.

Standard Memory

The internal 16K RAM solid-state memory records up to 1100 VLF-magnetic or 600 combined VLF-magnetic and VLF-electric measurements.

Clock

Real time clock with day, month, year, hour, minute and second. One second resolution, ± 1 second stability over 12 hours. Needs keyboard initialization only after battery replacement.

Digital Data Output

RS-232C serial interface for digital printer, modem, microcomputer or cassette tape recorder. Data outputs in 7 or 8 bit ASCII, one start, two stop bits, no parity format. Baud rate is keyboard selectable at 110, 300, 600, 1200 and 2400 baud. Carriage return delay is keyboard selectable in increments of one from 0 to 999. Handshaking is done through X-on/ X-off protocol.

Dimensions

Console: 240 x 90 x 240 mm
VLF-Magnetic Sensor: 110 mm diameter, length 120 mm

Weights

Console with Non-Rechargeable Battery Pack; 3.5 kg.
Console with Rechargeable Battery Pack; 4.0 kg.
VLF-magnetic Sensor with harness; 1.5 kg
VLF-electric Sensor, total weight of capacitive electrodes plus cables is 0.9 kg.

Operating Temperature Range

-40°C to +50° provided optional Display Heater is used below -20°C.

Power Requirements

Can be powered by external 12 V DC or one of the Battery Pack Options listed below. The current consumption is 0.2 A.

Technical Description of the VLF-4 VLF Electromagnetic System

Optional and Accessory Items

Non-Rechargeable Battery Pack Option
10 disposable alkaline C cell for installation inside VLF-3 console provide 8000 readings at 25°C assuming each measurement requires the typical time of about 15 seconds.

Rechargeable Battery Pack and Charger Option

Six rechargeable lead-acid batteries in holder for installation in VLF-3 console provide 3400 readings at 25°C, assuming each measurement requires 15 seconds. Suggested for cold weather operation.

The charger runs from 115 or 230 V AC, 50 or 60 Hz and draws 20VA. It is overload protected; 140 x 95 x 65 mm; 1.0 kg.

Low Temperature Battery Extender Kit
Comprises a cover for the bottom of the instrument console, a battery pack cover, a waist belt and a battery cable. Slots on the battery pack cover permit belt mounting next to the operator's body for warmth.

Optional RS-232 Cable and Adaptor

Used for communicating between VLF-3 and peripheral devices such as a digital printer, microcomputer, cassette recorder or modem.

Optional Memory Expansion

Increases the memory four times, to a maximum of 64K RAM in 8K RAM increments. Each 16K RAM increments holds as many readings as the Standard Memory.

Electric Field Sensor Option

This option, consisting of two capacitive electrodes with integral preamplifiers and an interconnecting cable permits VLF resistivity measurements to be made. Five metres is the standard cable length, however, longer lengths are available on request.

Primary Field Drift Correction Option

This option consists of a special program EPROM which permits the VLF-3 to operate in a cycling mode, measuring and storing data from up to three transmitters. It also permits communication between a portable and a base station VLF-3 for the purpose of correcting the horizontal VLF-magnetic field vector for changes in primary field strength.

Display Heater

Required for cold weather operation. Powered by main batteries, thermostatically controlled to turn off above -20°C.

Peripheral Devices

Scintrex is prepared to recommend or supply digital printers, modems, cassette tape recorders and microcomputers with software.

Language Options

In addition to English, a second language using Latin characters can replace English.

Carrying Case

Scintrex carrying case CC-4 will carry console, sensor, battery pack, RS-232 cable with adaptor and manual.

Applications Software

Scintrex supplies fully documented software written for the IBM PC computer and certain other microcomputers which use the MS-DOS operating system. This software is designed to permit: 1) archiving of data, 2) calculation of parameters such as VLF ellipticity, dip angle, total field and Fraser filters and 3) profile and contour outputs on digital printers.

SCINTREX

222 Snidercroft Road
Concord Ontario Canada
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Cable: Geosolnt Toronto
Telex: 06-964570

Geophysical and Geochemical
Instrumentation and Services

Date: 2002-SEP-26

GEOSCIENCE ASSESSMENT OFFICE
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SUDBURY, ONTARIO
P3E 6B5

JOHN GREGORY BRADY
1227 HOLLAND ROAD
SUDBURY, ONTARIO
P3A 3R1 CANADA

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

Submission Number: 2.24234
Transaction Number(s): W0210.01476

Dear Sir or Madam

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 LUCILLE JEROME by email at lucille.jerome@ndm.gov.on.ca or by phone at (705) 670-5858.

Yours Sincerely,



Ron Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist

Earl Grayme Anthony
(Agent)

John Gregory Brady
(Assessment Office)

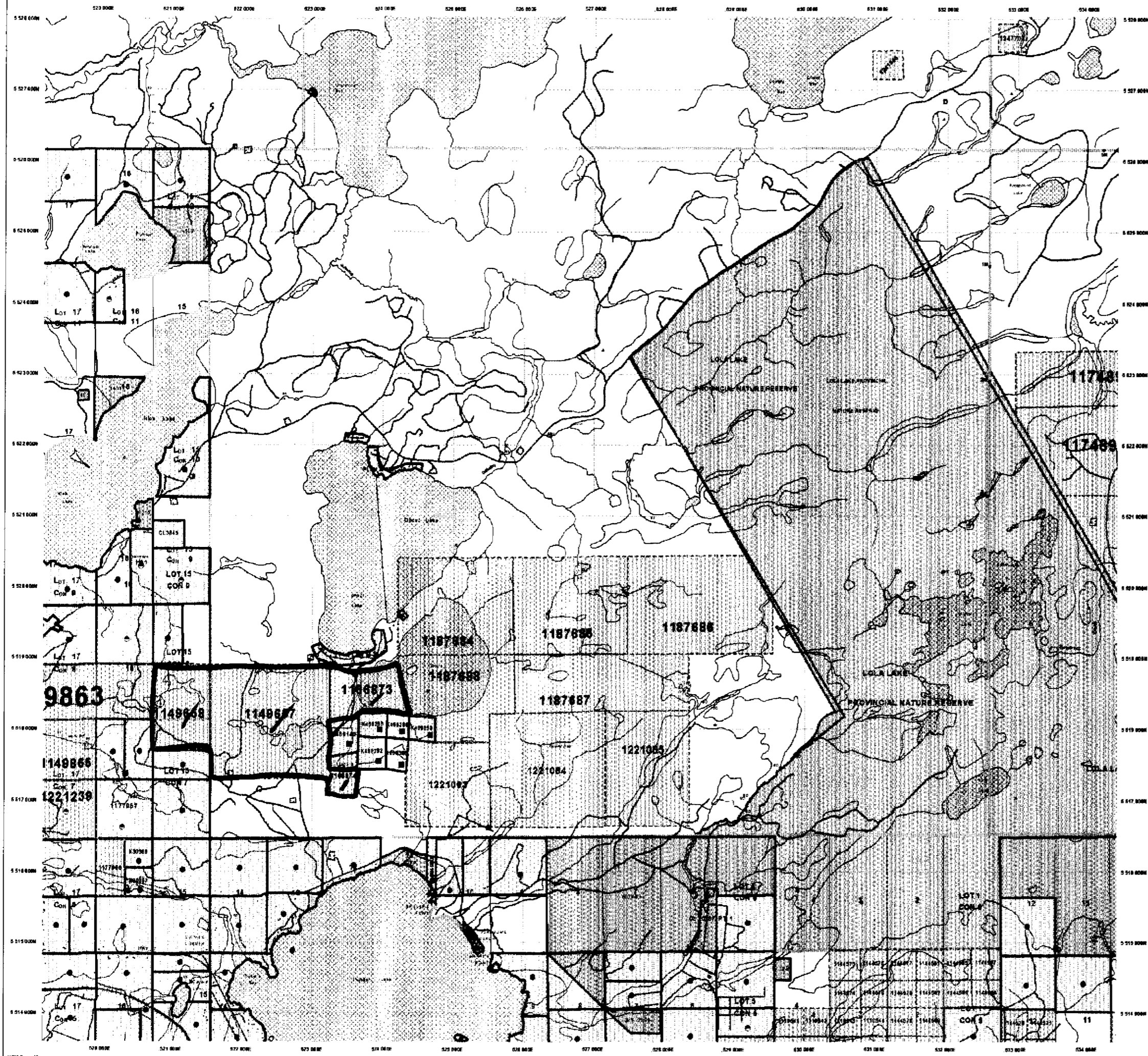
Assessment File Library

John Gregory Brady
(Claim Holder)



52F15SE2014 2.24234 BROWNRIIDGE

200



UTM Zone 18
1 000m Grid

**MINISTRY OF
NORTHERN DEVELOPMENT
AND MINES**
PROVINCE OF ALBERTA
RECORDERS OFFICE

**MINING LAND TENURE
MAP**

Date / Time of Issue Sep 25 2002 16:24h Eastern

TOWNSHIP / AREA PLAN
BROWNRIIDGE G-0814

ADMINISTRATIVE DISTRICTS / DIVISIONS
Mining Division Kenora
Land Titles/Registry Division KENORA
Ministry of Natural Resources District DRYDEN

TOPOGRAPHIC

- Administrative Boundaries
- Township
- Corporation LRP
- Provincial Park
- Indian Reserve
- CRP, F and PM
- Contour
- Contour - Approx. Accuracy 2 m (98%)
- Drill
- Wire Fences
- Railway
- Road
- Trail
- Natural Gas Pipelines
- Hydro Line
- Communication Line
- Wooded Area
- Mountain - Contour Interval, Horizontal, Vertical Contour

LAND TENURE

Freehold Patent

- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Leasehold Patent

- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Forms of Occupation

- Occupation Staked
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Land Use Plans

- Land Use Plan 1
- Order in Council
- Water Power License Agreement

LAND TENURE WITHDRAWALS

- Areas With-Drawn From Disposition Mining Act Undermine Types
- W100 Surface Rights Only
- W101 Mining Rights Only
- W102 Order in Council Withdrawal
- W103 Surface Rights Only
- W104 Surface Rights Only
- W105 Mining Rights Only
- W106 Mining Rights Only

IMPORTANT NOTICES



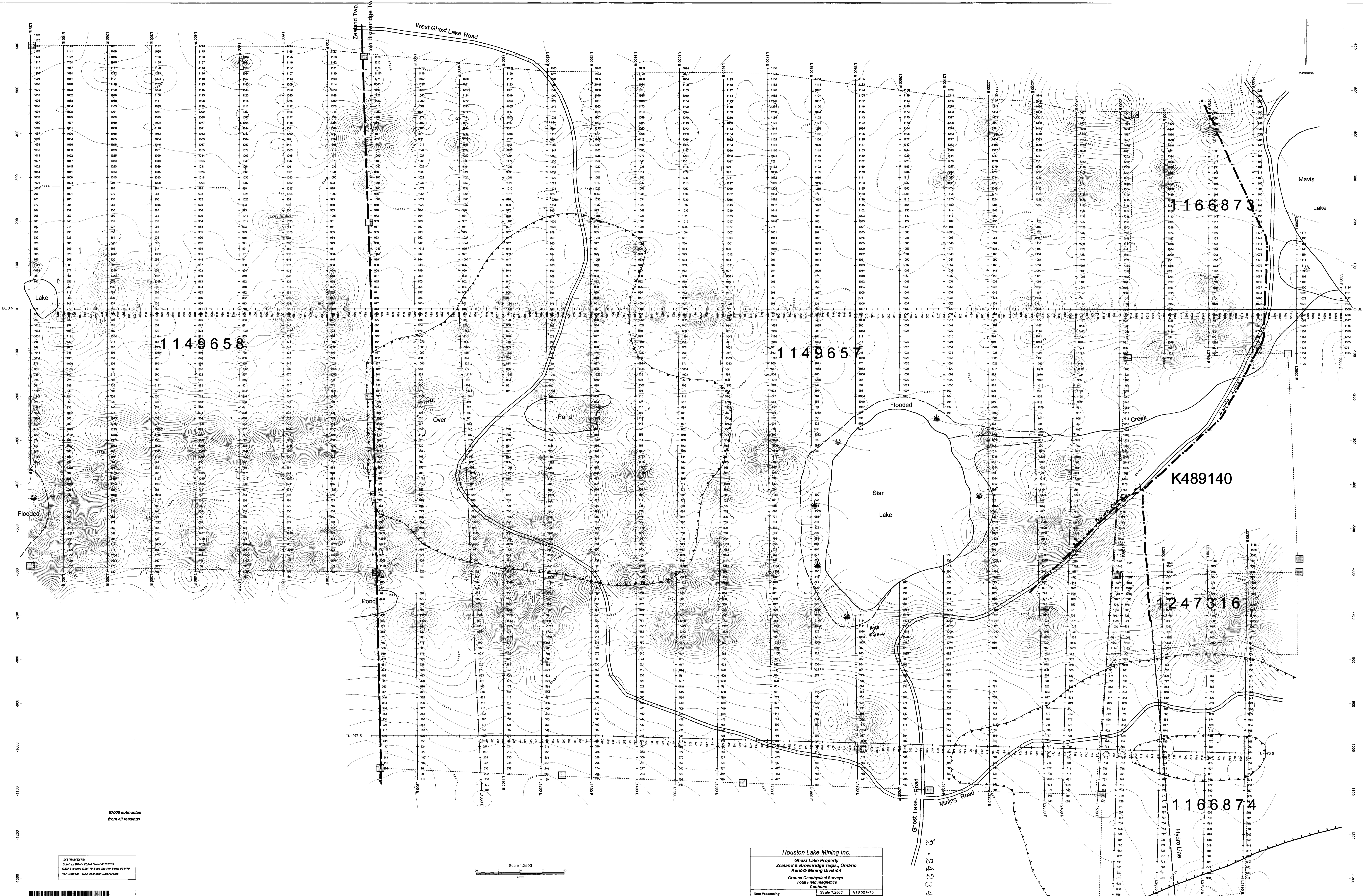
LAND TENURE WITHDRAWAL DESCRIPTIONS

Number	Type	Date	Description
1158	W100	Jan 1 2001	TEMPORARY WDV 2000 180224
1191	W100	Jan 1 2001	30(3) RSC - 1988 JULY 14 00 SR 1892
1194	W100	Jan 1 2001	63 RSC 67 75 W/127 AUG 10 77 SR 184 63
1216	W100	Jan 1 2001	30(3) RSC - 1988 JULY 14 00 SR 1892
1226	W100	Jan 1 2001	R.E. FOR PUBLIC USE MAY 30 98 117725
1228	W100	Jan 1 2001	R.E. FOR PUBLIC USE 14081
1227	W100	Jan 1 2001	R.E. FOR PUBLIC USE 14081
W 3081	W100	Dec 28 1983	H. L. BERRY W. 3085 DEC. 26 85 SR 1881
W 3763	W100	Aug 23 1983	O. M. W. 3763 SR 1881, SR 2330
W 3083	W100	Dec 28 1983	H. L. BERRY W. 3085 DEC. 26 85 SR 1881
W 41 86 00	W100	Dec 18 1986	Section 34, 35 & Mining Act, S.A.O. 1886 Order 4942 - SR 98 SR 1276 195 58

IMPORTANT NOTICES

Areas under withdrawal, registration, or conditions are not all official planning, mapping and mineral development activities.

2.24234
MAG
VLP



57000 subtracted from all readings

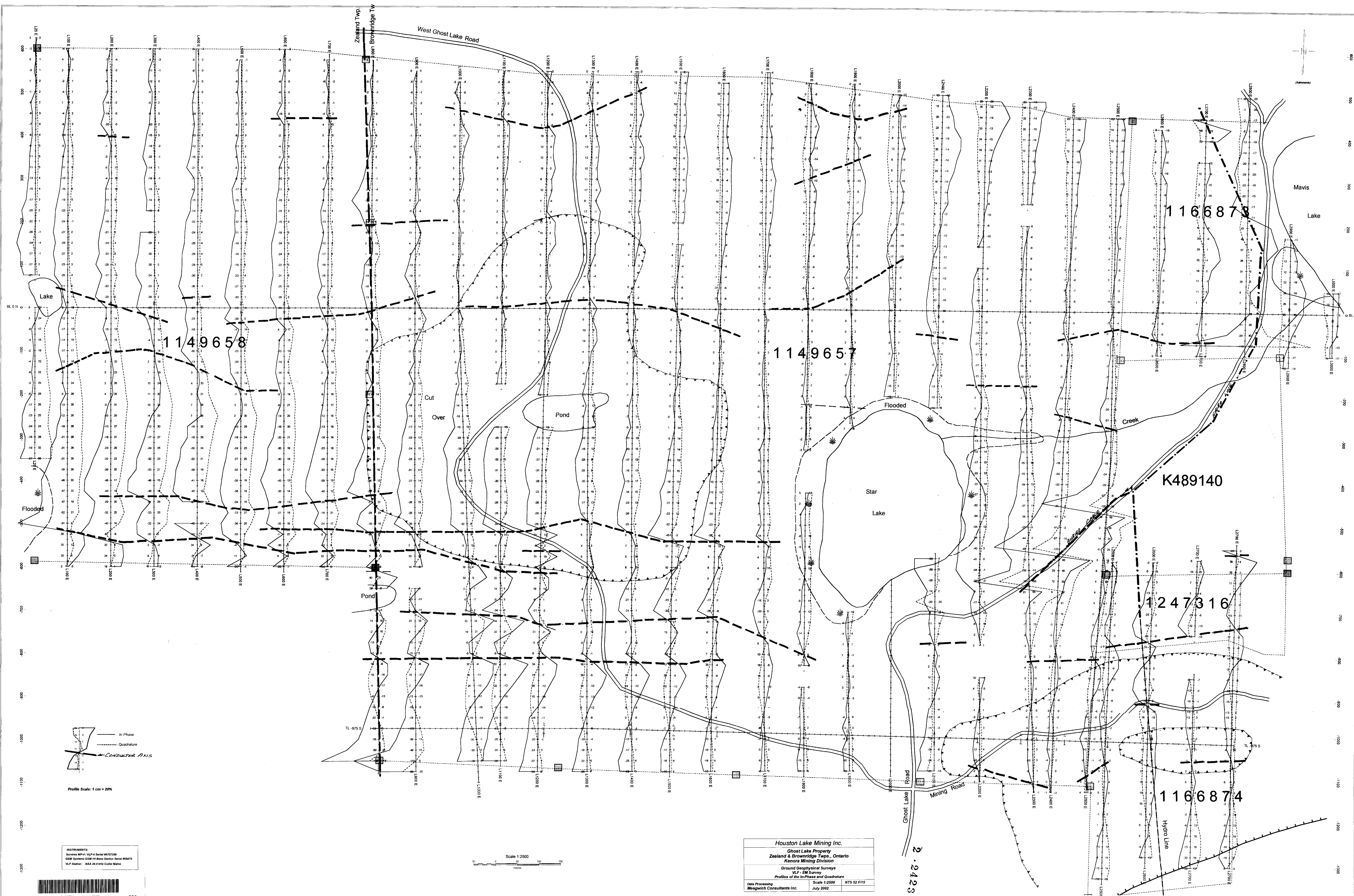
INSTRUMENTS:
Sullivan MP4 VLF-4 Solar #870709
GEM System CS30-10 Solar Collector Series #8474
VLF Station: NAA 24.0 kHz Cutler-Mahle



Scale 1:2500

Houston Lake Mining Inc.
Ghost Lake Property
Zealand & Brownridge Twp., Ontario
Kenora Mining Division
Ground Geophysical Surveys
Total Field magnetics
Contours
Scale 1:2500 NTS 52 P15
Data Processing: Megawich Consultants Inc. July 2002

2.3434



Profile Scale: 1 cm = 20%

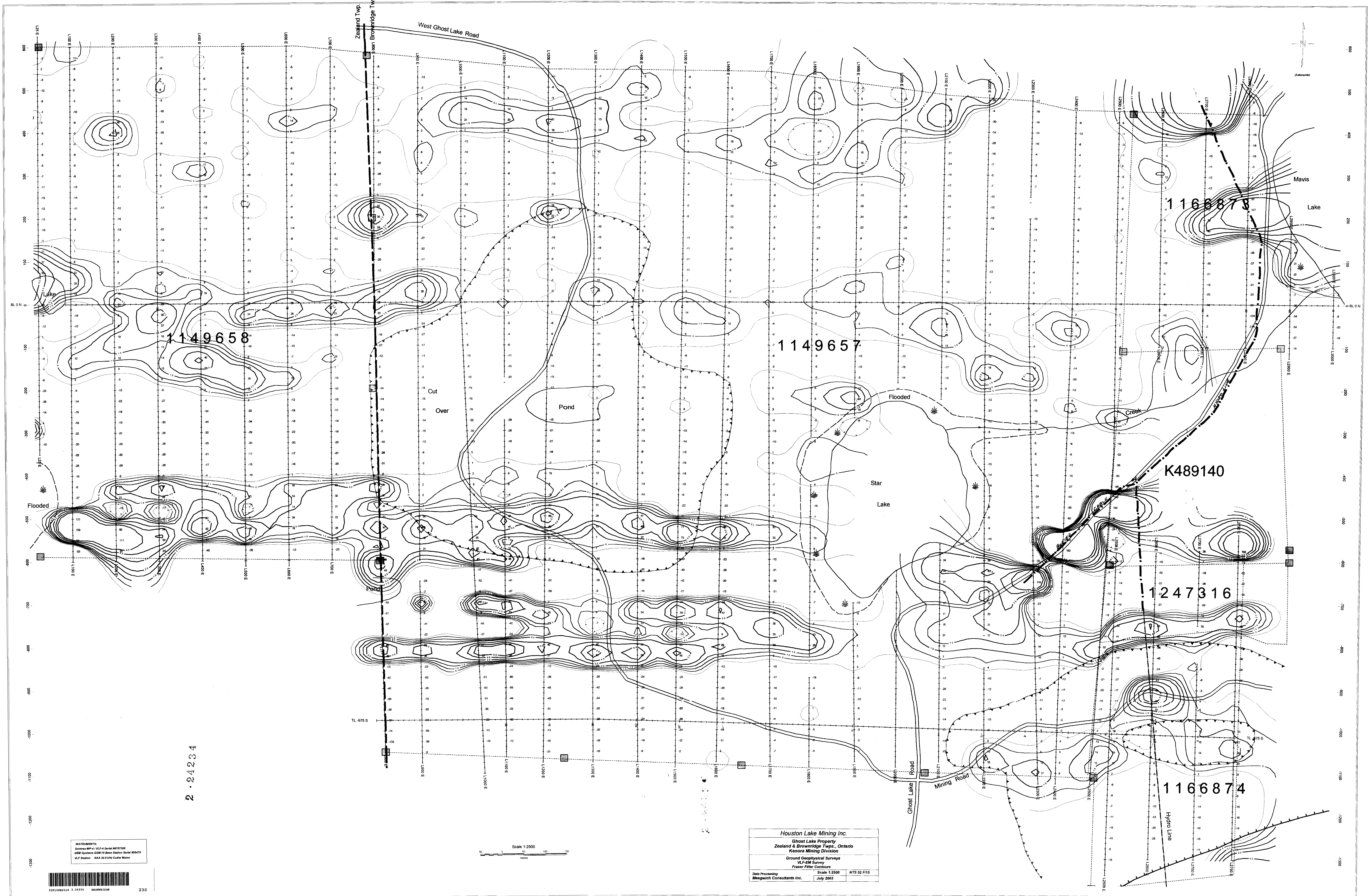
INSTRUMENTS:
 Siemens MP4 VLF-A Serial #272709
 GEM Systems CS30-10 Base Station Serial #5475
 VLF Station: MSA 90-1000 Cyclic Meter



Scale 1:2500

Houston Lake Mining Inc.
 Ghost Lake Property
 Zealand & Brownridge Twp., Ontario
 Kenora Mining Division
 Ground Geophysical Surveys
 VLF - EM Survey
 Profiles of the In-Phase and Quadrature
 Data Processing: Scale 1:2500 NTS 52 P15
 Meagrich Consultants Inc. July 2002

2-24234



1149658

1149657

1166873

K489140

1247316

1166874

2-24234

INSTRUMENTS:
 Surveying Machine, V.L.P. of Serial #870730
 EDM System, CS1519, Serial #56479
 V.L.P. Station, RAA 24.0, V.P. Copter Mast



230

Scale 1:2500

Houston Lake Mining Inc.
 Ghost Lake Property
 Zealand & Brownridge Twp., Ontario
 Kenora Mining Division
 Ground Geophysical Surveys
 V.L.P. Survey
 Fraser Filter Contours
 Date Processing: July 2002
 Scale 1:2500 NTS 52 F/15
 Maptech Consultants Inc.