GEOPHYSICAL REPORT
on a
MAGNETOMETER AND HLEM SURVEY
on the
MOSES LAKE PROPERTY
MACBETH TOWNSHIP, SUDBURY MINING DIVISION
for
FALCONBRIDGE LIMITED

Submitted by: Steve Anderson
VISION EXPLORATION
September 3, 1998

TABLE OF CONTENTS

FIGURES

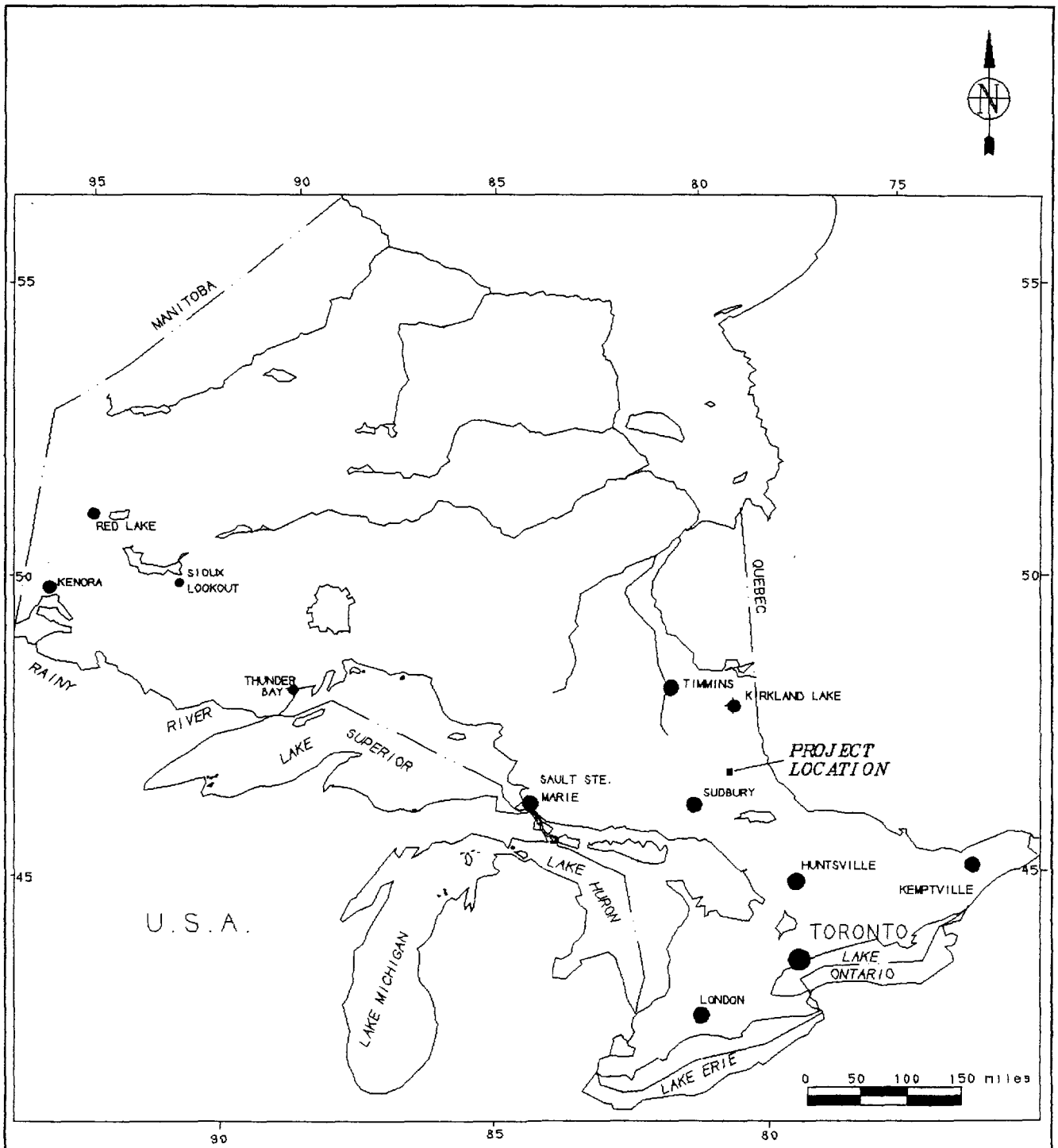
MAPS

INTRODUCTION

The following report will deal with the results of magnetometer and HLEM surveys carried out on the Moses Lake Property. The property is held by Falconbridge Limited and covers or partially covers seven unpatented block and single unit mining claims, located in Macbeth Township, Sudbury Mining Division, District of Sudbury, Ontario. This work was carried out on a contract basis by Vision Exploration and took the form of a line-cutting program, which was followed up with magnetometer and HLEM (Max-Min) surveys. A total of 11.6 km. of grid lines were established and surveyed during the month of August 1998.

On September 17, 1997 the mining rights for the subject property came open for staking after having being withdrawn by the MNDM for more than 20 years as a result of the Temagami Land Caution. This has resulted in only a limited amount of exploration work having been carried out in the area. The property lies to the southwest and generally on strike with the town of Temagami, which has hosted a number of past base metal producers.

The purpose of this program was to provide ground geophysical data that would aid in the geological interpretation of the area. This included attempting to locate an isolated AEM conductor shown to occur in the area.



PROVINCE OF ONTARIO

FIG 1

Client:	FALCONBRIDGE LIMITED
Property:	MOSES LAKE PROPERTY #8031
Title:	LOCATION MAP

Processed: SDA	Checked: SDA	VISION EXPLORATION
Date: SEPT/98	Township: MACBETH	
Province: ONT	N.T.S.:	
Scale: 1in-1/2mi	Drawing: V-39	TIMMINS ONTARIO

LOCATION AND ACCESS

The Moses Lake Property Group is located in the north central portion of Macbeth Township, Sudbury Mining Division, Districts of Sudbury, Ontario. The property is situated approximately 70-km. northeast form the city of Sudbury or 40-km. southwest from the town of Temagami, Ontario. The northeast corner of the grid borders Aleck Lake.

Access to the work area is gained by taking Hwy 64 North form the town of Sturgeon Falls which is situated along the Trans Canada Hwy (Hwy 17) between the cities of North Bay and Sudbury. At the 22 km. point on Hwy 64 north is the village of Field and the junction of Hwy 539 to the village of River Valley. To this point the Hwy is paved and in fairly good condition. From the village of River Valley Hwy 805 can be used to access the Manitou Lake area.

Access to the grid was gained by taking the Grassey Lake Road which heads west from Hwy 805, just north of Brightwater Lake. This road heads in a northwesterly direction where at approximately the 8-km. point it crosses Kibble Creek. On the west side of Kibble Creek an ATV trail heads north to Kibble Lake. From here, a canoe needed to cross the lake was dragged into Kibble Lake using an ATV. The grid lies approximately 300 meters north of Kibble Lake and was accessed by foot from the north end of the lake.

PERSONELL

The people directly involved with the geophysical program were all employed by Vision Exploration and are as follows:

Lanny Anderson... .....Crystal Falls, Ontario
Steve Polson.... .....Timmins, Ontario
Randy Trembley.....Timmins, Ontario

Steve Anderson supervised all work.

PREVIOUS WORK

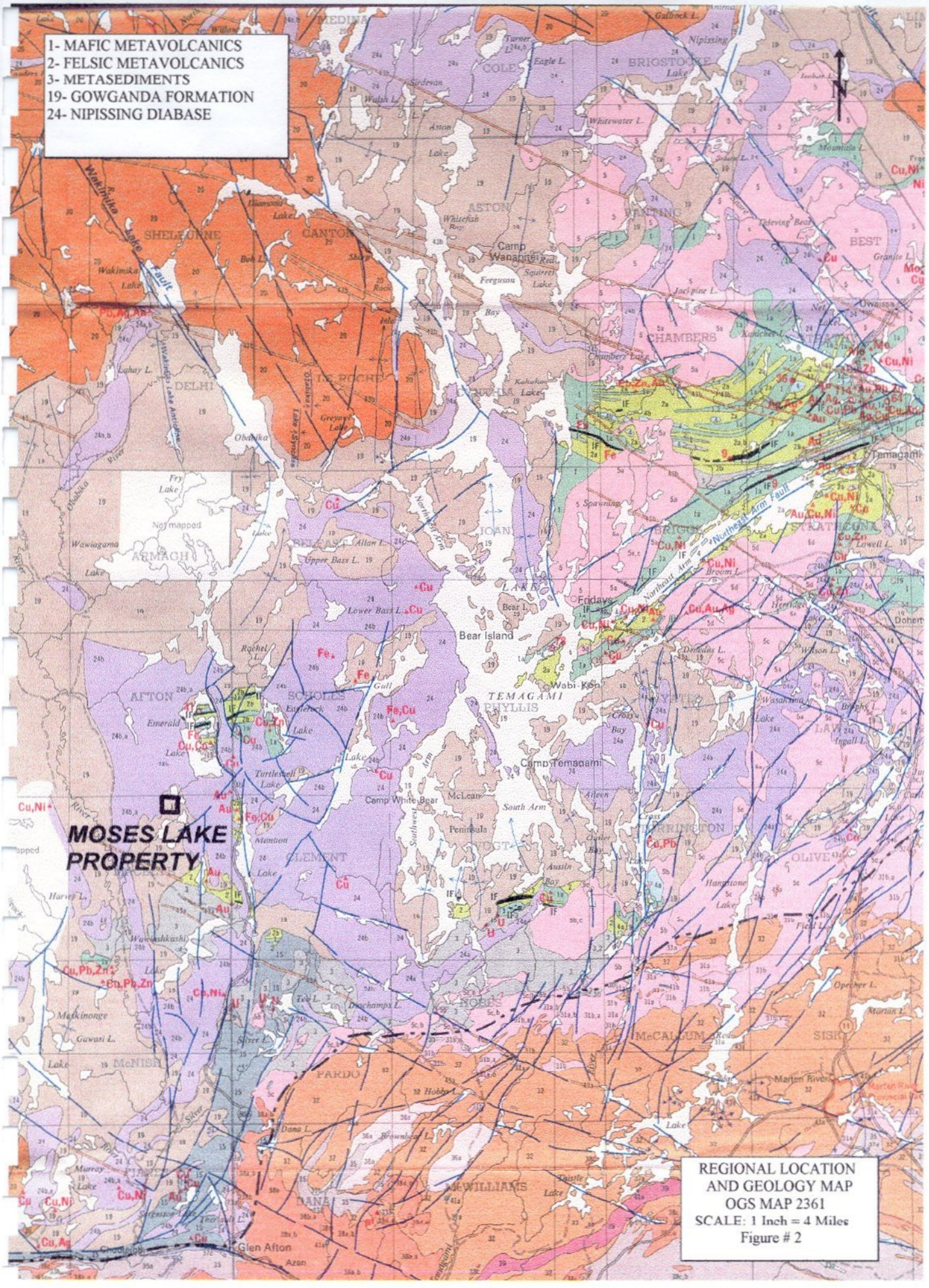
The assessment files show that there has been no previous work filed for the project area. A number of companies as well as individuals have worked in the general area, to the north around Emerald Lake and to the east around Manitou Lake. Exploration work in both these areas has reported encouraging base metal and gold values occur within 3 km. of the subject property.

GENERAL GEOLOGY

The geology of the area is described in OGS Report 170 " Geology of Afton, Scholes Macbeth and Clement Townships" as follows:

All bedrock exposed is of Precambrian age. The oldest rocks of the area are a sequence of Early Precambrian metavolcanics and metasediments with locally interbedded chert (jasper)-magnetite, and sulphide iron formation. These rocks are locally intruded by porphyries similar to the flows they intrude, and are intruded by diabase dikes. The early Precambrian sequence is unconformabley overlain by Middle Precambrian Huronian sedimentary rocks of the Mississagi and Gowganda Formations. Sheet-like Nipissing Intrusions (tholeiitic gabbro) intruded by Huronian and older rocks. The youngest bedrock in the area consists of Late Precambrian diabase and olivine diabase dikes. Pleistocene and recent gravel, sand, silt and swamp deposits cover the area between exposures of Precambrian rock.

OGS Map 2386, shows the majority of the grid area to be underlain by Gowganda Formation, with the exception of the extreme western portion of the property which is underlain by Nipissing Diabase (Figure #4).


1- MAFIC METAVOLCANICS
2- FELSIC METAVOLCANICS
3- METASEDIMENTS
19- GOWGANDA FORMATION
24- NIPISSING DIABASE
MOSES LAKE PROPERTY
Camp Wanapitei
Bear Island
Fridays
Wabi Kon
Camp Temagami
Camp White Bear
Glen Afton
Temagami
Wakimika Lake Fault
Northeast Arm Fault
REGIONAL LOCATION
AND GEOLOGY MAP
OGS MAP 2361
SCALE: 1 Inch = 4 Miles
Figure # 2

CLAIMS

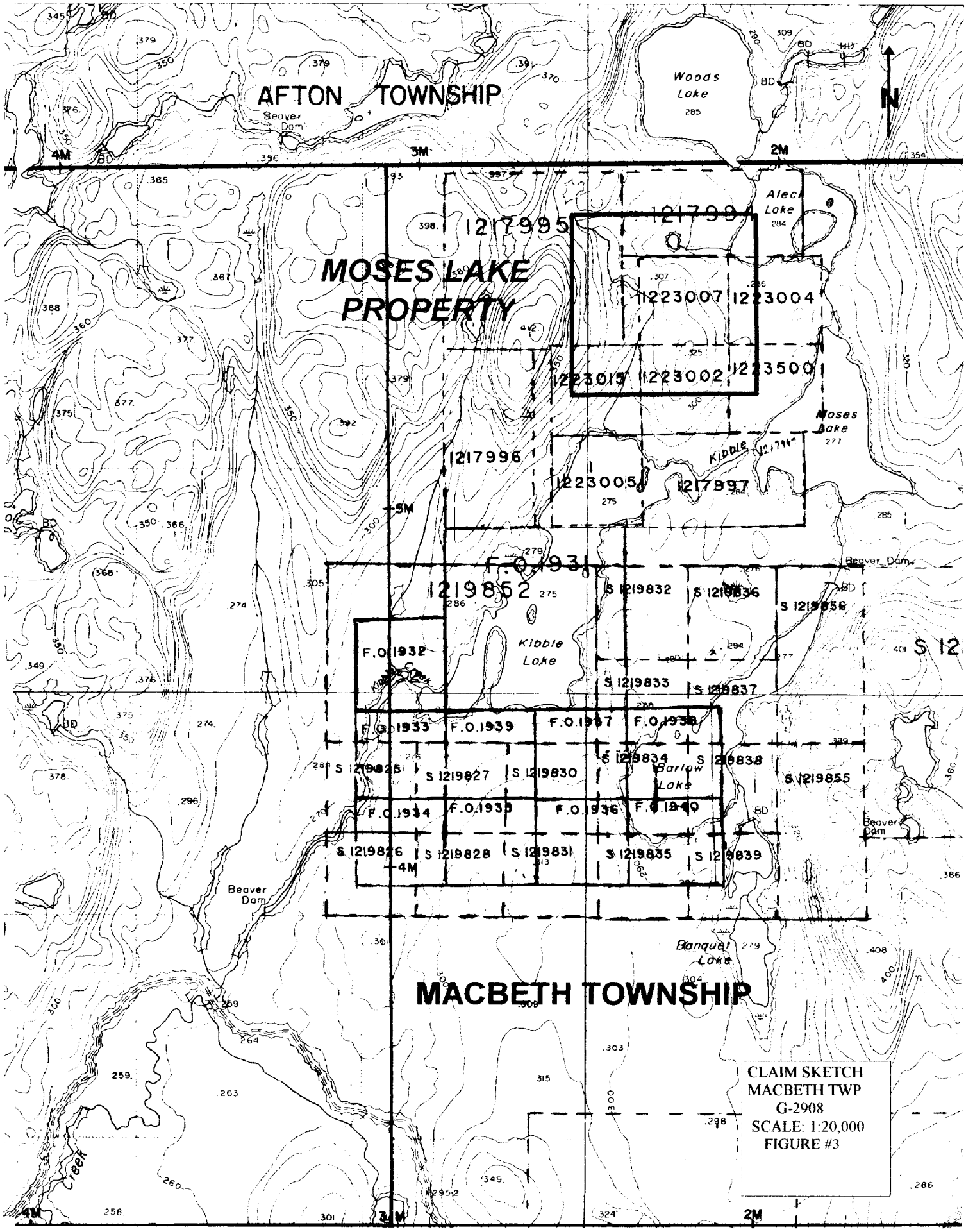
The grid cut over the Moses Lake property covered or partially covered seven unpatented block and single unit mining claims located in Macbeth Township, Sudbury Mining Division, District of Sudbury, Ontario. The claim numbers are as follows:

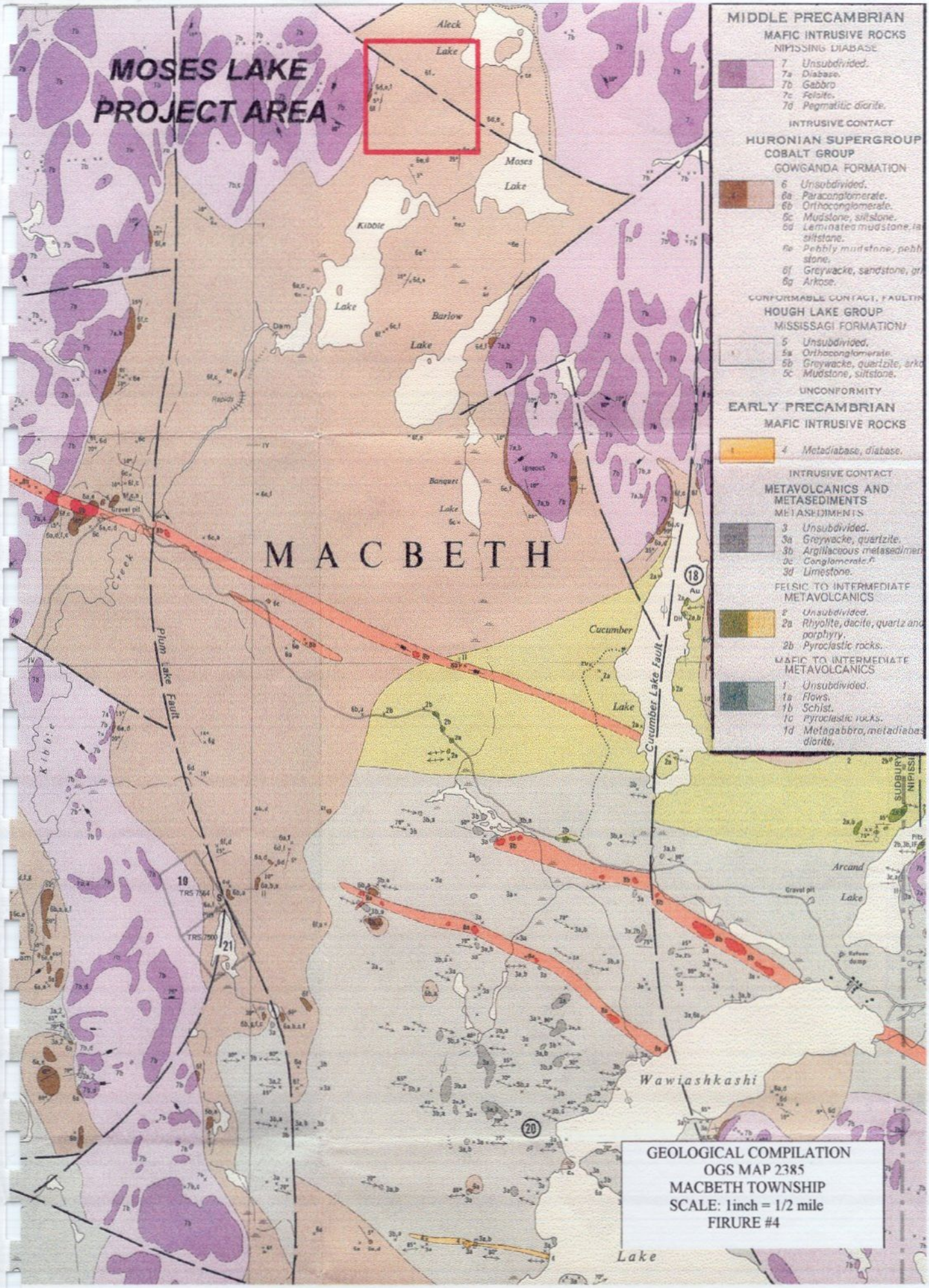
CLAIM #	# OF UNITS	TOWNSHIP
1217994	2	MACBETH
1217995	4	MACBETH
1223002	1	MACBETH
1223004	1	MACBETH
1223007	1	MACBETH
1223015	1	MACBETH
1223500	1	MACBETH

WORK PROGRAM

The first stage of this work program involved establishing a grid over which the geophysical surveys could be carried out. Falconbridge Limited set up the grid parameters with the base line and tie lines running in an east west direction and perpendicular cross lines. The line interval was set at 100 and 200 meters, with a 25 meters station interval. A total of 11.6 km. of chainsaw cut grid lines were established.

The grid was then surveyed with Magnetometer and HLEM, using a 12.5-meter reading interval for the magnetometer and 25 meter for the HLEM. This resulted in 11.6 km. of geophysical coverage. It should be noted that the topography in this area was fairly rugged, which had some affect of the HLEM survey. The following is a brief description of the geophysical methods and parameters used.


AFTON TOWNSHIP
MOSES LAKE PROPERTY
MACBETH TOWNSHIP
Woods Lake
Alec Lake
Moses Lake
Kibble Lake
Barlow Lake
Blanquet Lake
Beaver Dam
Beaver Dam
Creek
1217995
1217994
1223007
1223004
1223013
1223002
1223500
1217996
1223005
1217997
F.O.1931
1219852
S 1219832
S 1219836
S 1219856
F.O.1932
S 1219833
S 1219837
F.O.1933
F.O.1939
F.O.1937
F.O.1938
S 1219825
S 1219827
S 1219830
S 1219834
S 1219838
S 1219855
F.O.1934
F.O.1935
F.O.1936
F.O.1940
S 1219826
S 1219828
S 1219831
S 1219835
S 1219839
2M
3M
4M
5M
N
CLAIM SKETCH
MACBETH TWP
G-2908
SCALE: 1:20,000
FIGURE #3


MOSES LAKE
PROJECT AREA
MACBETH
Aleck
Lake
Moses
Lake
Kiddie
Lake
Barlow
Lake
Dam
Rapids
Banquet
Lake
Gravel pit
Plum Lake Fault
Cucumber
Lake
Cucumber Lake Fault
Arcand
Lake
Graval pit
Wawiashkashi
Lake
MIDDLE PRECAMBRIAN
MAFIC INTRUSIVE ROCKS
NIPISSING DIABASE
7 Unsubdivided.
7a Diabase.
7b Gabbro
7c Felsite.
7d Pegmatitic diorite.
INTRUSIVE CONTACT
HURONIAN SUPERGROUP
COBALT GROUP
GOWGANDA FORMATION
6 Unsubdivided.
6a Paraconglomerate.
6b Orthoconglomerate.
6c Mudstone, siltstone.
6d Laminated mudstone, la siltstone.
6e Pebbly mudstone, pebb stone.
6f Greywacke, sandstone, gr
6g Arkose.
CONFORMABLE CONTACT, FAULTIN
HOUGH LAKE GROUP
MISSISSAGI FORMATION
5 Unsubdivided.
5a Orthoconglomerate.
5b Greywacke, quartzite, arko
5c Mudstone, siltstone.
UNCONFORMITY
EARLY PRECAMBRIAN
MAFIC INTRUSIVE ROCKS
4 Metadiabase, diabase.
INTRUSIVE CONTACT
METAVOLCANICS AND METASEDIMENTS
METASEDIMENTS
3 Unsubdivided.
3a Greywacke, quartzite.
3b Argillaceous metasedimen
3c Conglomerate f
3d Limestone.
FELSIC TO INTERMEDIATE METAVOLCANICS
2 Unsubdivided.
2a Rhyolite, dacite, quartz and porphyry.
2b Pyroclastic rocks.
MAFIC TO INTERMEDIATE METAVOLCANICS
1 Unsubdivided.
1a Flows.
1b Schist.
1c Pyroclastic rocks.
1d Metagabbro, metadiaba diorite.
GEOLOGICAL COMPILATION
OGS MAP 2385
MACBETH TOWNSHIP
SCALE: 1inch = 1/2 mile
FIRURE #4

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
Station Interval - 12.5m
Line Interval - 100m, 200m
Diurnal Correction Method – GEM GSMT-19 Recording Base Station
Data Presentation – Data posted and contoured plan map
- 1:5000 scale
- Contour interval: 20 nano-teslas

HORIZONTAL LOOP SURVEY

The Horizontal Loop EM survey was carried out with an Apex Max-Min II instrument. These surveys are commonly called "Max-Min" surveys in recent times.

The Max-Min II instrument can operate at five frequencies (3555HZ, 1777HZ, 888HZ, 444HZ, 222HZ). and is capable of coil separations from 25 meters to 200 meters. Although it can be used in the vertical loop mode as well as minimum coupled, it is most often used in the Maximum Coupled, Co-Planer mode which is in effect a Horizontal Loop Electromagnetic Survey.

The instrument records the "In-Phase" and "Out-of-Phase" components of the anomalous resultant field from a conductor as a percentage of the primary field strength. Both components are used in the interpretation of the results. Generally, the larger the ratio of peak negative responses between In-Phase and Out-of-Phase, the higher the conductivity of the anomaly. A ratio of 1:1 is considered a medium conductor.

The purpose of reading more than one frequency is to obtain more information about the conductor itself as well as the conductivity of the overburden etc. The higher frequencies will respond to weaker conductive features such as faults, conductive overburden etc. As a result the signal from these frequencies can attenuate very quickly, possibly not penetrating to the bedrock at all. The lower frequencies having a longer wavelength tend to penetrate deeper and generally only respond to anomalies with a higher order of conductance, Thus as with most geophysical techniques it is a trade off as to depth of penetration vs. conductance threshold detectable. The use of multi frequency surveys helps to alleviate this problem at a minimal extra cost.

The HLEM survey was carried out using the following parameters.

INSTRUMENT: Apex Parametrics, Max-Min II
MODE: Co-planar
PARAMETERS MEASURED: In-phase and quadrature
COIL SPACING: 200 meters
FREQUENCIES: 222Hz, 444Hz and 1777Hz.
LINE INTERVAL: 100, 200 meters
STATION INTERVAL: 25 meters
DATA PRESENTATION: Profiled plan maps, 1:5000
PROFILE SCALE: 1cm = 5%

SURVEY RESULTS

The geophysical program conducted on the Moses Lake Property did not appear to outline any significant conductive zones.

The magnetics over the extreme western part of the grid are higher and more erratic that the remainder of the grid. This is most likely marking the magnetic contrast between the Nipissing Diabase and the Gowganda formation, which covers the majority of the property.

The magnetic background for the remainder of the property increases slightly within the northern half of the property. This might be suggesting an increase in the thickness of the Gowganda Formation from north to south or the contact between two separate geological units occurring beneath the Gowganda Formation.

The HLEM survey outlined what may be a very weak conductor on L 1400E at 2750N. This feature shows up primarily of the high frequency making its response questionable. This is however coincident with the AEM conductor previously outlined.

No other significant geophysical responses were outlined.

RECOMMENDATIONS AND CONCLUSIONS

The geophysical program carried out on the Moses Lake Property was successful in outlining one weak conductor that may warrant follow-up work. Although weak, this feature would appear to be coincident with the AEM conductor previously outlined by Falconbridge Limited. It is possible that due to the amount of cover by the Gowganda Formation, the conductor in question occurs at the very limits of the HLEM effective search depth.

Although this conductor could be tested with diamond drilling at this point in time, due to its weak response additional information may be required. A large loop EM survey would have a greater search depth and would be much more effective in penetration the Gowganda Formation.

Due to the excellent base metal geological environment additional work to determine this zones source should be considered.

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 1998.

Dated this 2nd day of September 1998
at Timmins, Ontario.

APPENDIX A
GEM GSM-19 MAGNETOMETER

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.

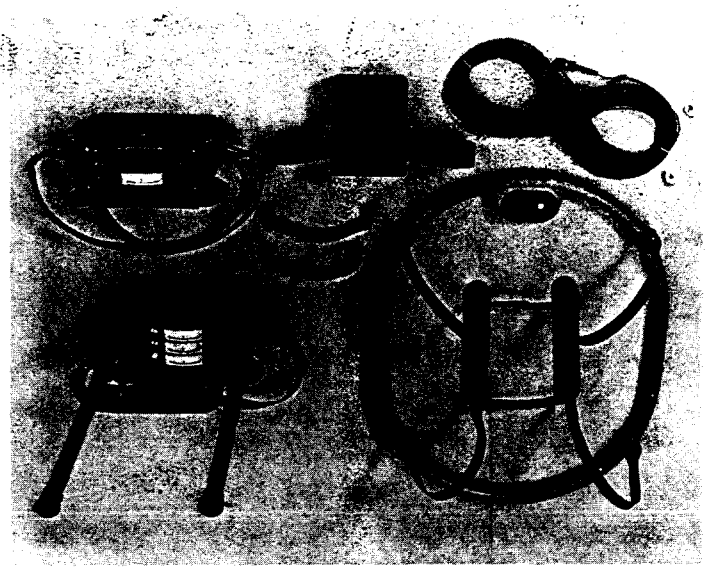
VLF

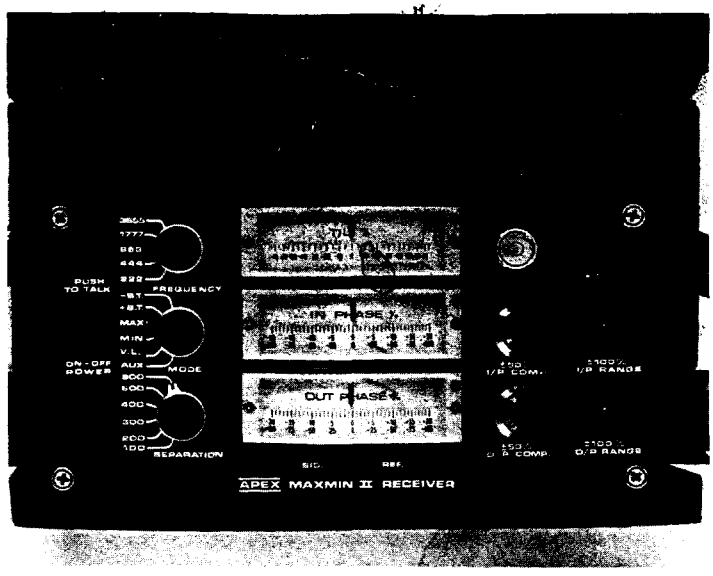
Frequency Range:	15 - 30.0 kHz.
Parameters Measured:	Vertical In-phase and Out-of-phase components as percentage of total field. 2 components of horizontal field. Absolute amplitude of total field.
Resolution:	0.1%.
Number of Stations:	Up to 3 at a time.
Storage:	Automatic with: time, coordinates, magnetic 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).

APPENDIX B
APEX MAX MIN II

APEX MAXMIN II PORTABLE EM

- Five frequencies: 222, 444, 888, 1777 and 3555 Hz.
- Maximum coupled (horizontal-loop) operation with reference cable.
- Minimum coupled operation with reference cable.
- Vertical-loop operation without reference cable.
- Coil separations: 25, 50, 100, 150, 200 and 250 m (with cable) or 100, 200, 300, 400, 600 and 800 ft.
- Reliable data from depths of up to 180 m (600 ft).
- Built-in voice communication circuitry with cable.
- Tilt meters to control coil orientation.





SPECIFICATIONS :

Frequencies: 222, 444, 888, 1777 and 3555 Hz.

Modes of Operation:
- MAX: Transmitter coil plane and receiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with reference cable.
- MIN: Transmitter coil plane horizontal and receiver coil plane vertical (Min-coupled mode). Used with reference cable.
- V.L. : Transmitter coil plane vertical and receiver coil plane horizontal (Vertical-loop mode). Used without reference cable, in parallel lines.

Coil Separations: 25, 50, 100, 150, 200 & 250 m (MMII) or 100, 200, 300, 400, 600 and 800 ft. (MMIIF). Coil separations in V.L. mode not restricted to fixed values.

Parameters Read:
- In-Phase and Quadrature components of the secondary field in MAX and MIN modes.
- Tilt-angle of the total field in V.L. mode.

Readouts:
- Automatic, direct readout on 90 mm (3.5") edgewise meters in MAX and MIN modes. No nulling or compensation necessary.
- Tilt angle and null in 90 mm edgewise meters in V.L. mode.

Scale Ranges:
- In-Phase: ±20%, ±100% by push-button switch.
- Quadrature: ±20%, ±100% by push-button switch.
- Tilt: ±75% slope.
- Null (V.L.): Sensitivity adjustable by separation switch.

Readability: In-Phase and Quadrature: 0.5%. Tilt: 1%

Repeatability: ± 0.5% to ±1% normally, depending on conditions, frequencies and coil separation used.

Transmitter Output:
- 222 Hz : 175 Atm^2
- 444 Hz : 160 Atm^2
- 888 Hz : 100 Atm^2
- 1777 Hz : 60 Atm^2
- 3555 Hz : 30 Atm^2

Receiver Batteries: 9V trans. radio type batteries (4). Life: approx. 35 hrs. continuous duty (alkaline, 0.5 Ah), less in cold weather.

Transmitter Batteries: 12V 7.5Ah Gel-Cell rechargeable batteries (2 × 6V in series).

Reference Cable: Light weight 2-conductor teflon cable for minimum friction. Unshielded. All reference cables optional at extra cost. Please specify.

Voice Link: Built-in intercom system for voice communication between receiver and transmitter operators in MAX and MIN modes, via reference cable.

Indicator Lights: Built-in signal and reference warning lights to indicate erroneous readings.

Temperature Range: -40°C to +60°C (-40°F to +140°F).

Receiver Weight: 6kg (13 lbs.)

Transmitter Weight: 13kg (29 lbs.)

Shipping Weight: Typically 60kg (135 lbs.), depending on quantities of reference cable and batteries included. Shipped in two field/shipping cases.

Specifications subject to change without notification.

APEX PARAMETRICS LIMITED
200 STEELCASE RD. E., MARKHAM, ONT., CANADA, L3R 1G2

Phone: (416) 495-1612 Cables: APEXPARA TORONTO Telex: 06-966773 NORDVIK TOR

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)
W9870.00536
Assessment Files Research Imaging

41I16NW2001 2.18876 MACBETH 900

subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, assessment work and correspond with the mining land holder. Questions about Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury,

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

1. Recorded holder(s) (Attach a list if necessary) 2.18876

Name	FALCONBRIDGE LIMITED	Client Number	130679
Address	Suite 1200 - 95 Wellington Street West	Telephone Number	(416) 956-5700
	Toronto, Ontario, M5H 2V4	Fax Number	(416) 956-5757
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.

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

Work Type: Magnetic and Horizontal Loop Electromagnetic surveys; line cutting ✓		Office Use
		Commodity
		Total $ Value of Work Claimed: 7400
Dates Work Performed: From 10 (Day) 08 (Month) 1998 (Year) To 31 (Day) 08 (Month) 1998 (Year)		NTS Reference
Global Positioning System Data (if available)	Township/Area: MacBeth Twp.	Mining Division: Sudbury
	M or G-Plan Number: G – 2908	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	Robert Foy	Telephone Number	(705) 267 - 1188 ext. 243
Address	PO Box 1140, Timmins, Ontario, P4N 7H9	Fax Number	(705) 267 - 6080
Name		Telephone Number	
Address		Fax Number	
Name		Telephone Number	
Address		Fax Number	

RECEIVED
SEP 16 1998
GEOSCIENCE ASSESSMENT OFFICE

4. Certification by Recorded Holder or Agent

I, Robert Foy (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: RF		Date: September 15, 1998
Agent's Address: PO Box 1140, Timmins, Ontario, P4N 7H9	Telephone Number: (705) 267 - 1188 ext. 243	Fax Number: (705) 267 - 6080

0241 (03/97)

December 15/98

[redacted] 2.18876

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.

W9870.00536

	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 this 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
1	1217994	2	$1850	$800	~~$300~~ 50	$1000
2	1217995	4	$900	$1600	~~$300~~ 0	
3	1217996	2		$800		
4	1217997	2		$800		
5	1223002	1	$900	$400	$500	
6	1223004	1	$900	$400	$500	
7	1223005	1		$400		
8	1223007	1	$1858	$400	$1458	
9	1223015	1	$500	$400	$100	
10	~~1223500~~	1	$500	$400	$100	
11	1214500					
12						
13						
14						
15						
16						
17						
18					2700	
	Column sub-Totals	16	$7400	$6400	~~$4200~~	$1000

I, Robert Foy (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 September 15, 1998

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:

- X 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 1st 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)

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 Ser
Date Approved | Total Value of Credi
Approved for Recording by Mining Recorder (Signature)

0241 (03/97)

RECEIVED
SEP 16 1998
GEOSCIENCE ASSESSMENT OFFICE

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use)
W9870.00536

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, this 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 a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

2.18876

Work Type	Units of work Depending on the type of work, list the number of hours/day worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Line cutting	11.6km	$285/km	$3306
Magnetics Survey	11.6km	$80/km	$928
Horizontal Loop EM Survey (150m cable separation)	11.6km	$160/km	$1856
Contractors Logistical/Technical Report			$600
		Sub-Total	$6690.00
Associated Costs (e.g. supplies, mobilization and demobilization).			
Geophysicist Interpretationn (2days @ $230/day)			$460
Geologist: Survey planning, supervision (1day @ $250/day)			$250
Transportation Costs			
Food and Lodging Costs			
		Total Value of Assessment Work	$7400

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SEP 16 1998
GEOSCIENCE ASSESSMENT OFFICE

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 x 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, Robert Foy (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 Agent (Project Geologist, Falconbridge Limited) (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature: [signature] Date: SEPT 15/98

0212 (03/97)

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) 415-9846
Fax: (877) 670-1555

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

November 2, 1998

FALCONBRIDGE LIMITED
SUITE 1200, 95 WELLINGTON STREET WEST
TORONTO, ONTARIO
M5H 2V4

Dear Sir or Madam:

Submission Number: 2.18876

Subject: Transaction Number(s):		**Status**
	W9870.00536	Deemed 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 Bruce Gates by e-mail at gatesb2@epo.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 13022

Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.18876

Date Correspondence Sent: November 02, 1998 **Assessor:** Bruce Gates

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9870.00536	1217994	MACBETH	Deemed Approval	October 30, 1998

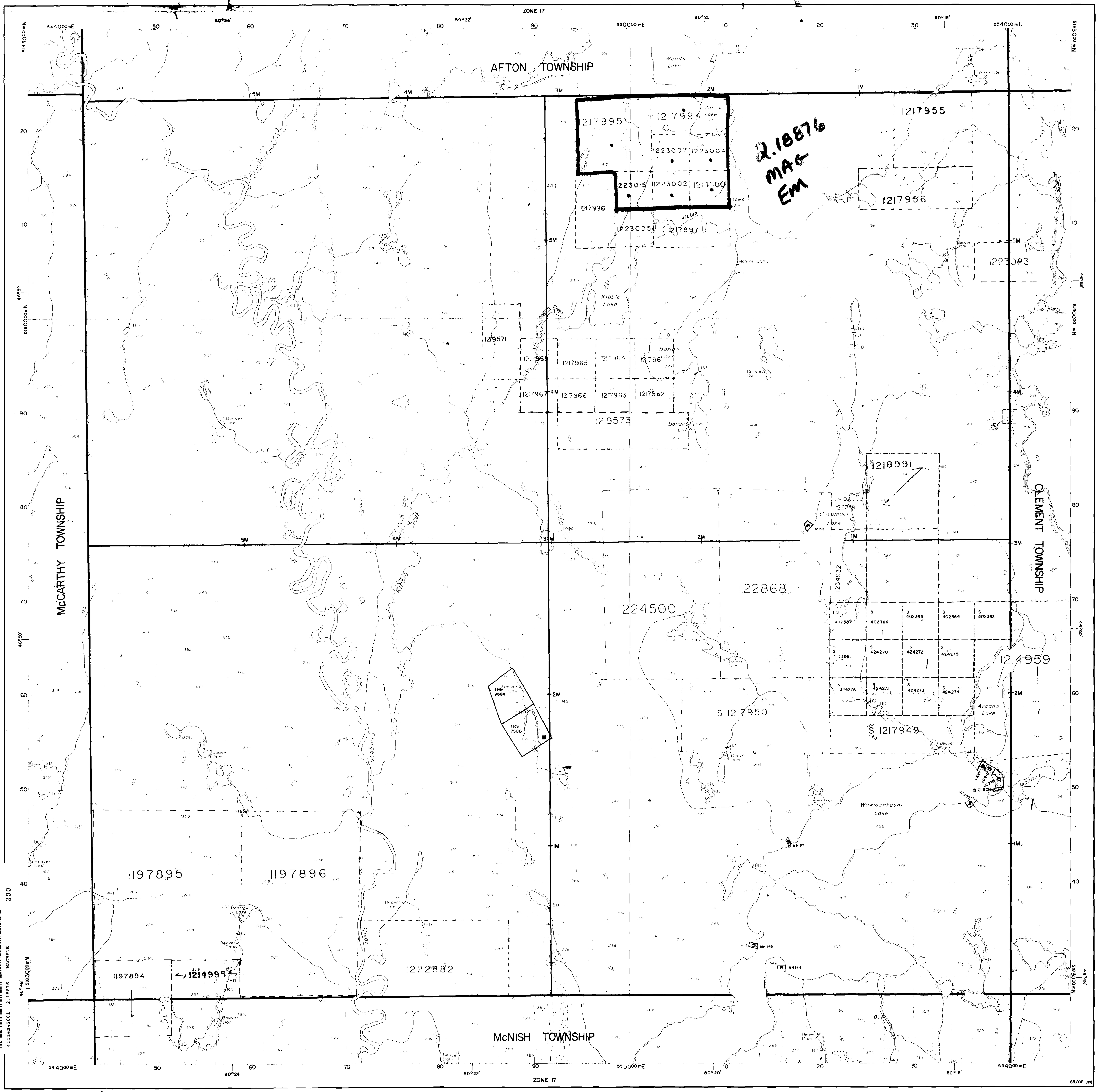
Section:
14 Geophysical EM
14 Geophysical MAG

Correspondence to:
Resident Geologist
Sudbury, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):
Robert Foy
TIMMINS, ONTARIO, CANADA

FALCONBRIDGE LIMITED
TORONTO, ONTARIO



Ministry of Natural Resources
Ministry of Northern Affairs and Mines
Ontario

INDEX TO LAND DISPOSITION

PLAN
G-2908

TOWNSHIP
MACBETH

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

Scale 1:20 000

Metres 1000 0 1000 2000
Feet 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

Contour Interval 10 Metres

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
SRO - Surface Rights Only
M + S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File
SEC 35/90	O-S-22/96	09.05/96	M & S	195150
~~ALL CROWN LAND~~ SEC 35/90	~~W.2/82~~ ~~W-S-40/96~~	~~02/11/05~~ ~~08/06/96~~	~~M & S~~ SRO	195150
~~SEC 35/90~~	~~W.2/83~~ W-S-69/96	~~03/11/02~~ 09/13/96	~~S.R.O.~~	~~140077~~

Part of order W 2/82 REOPENED by order
O-ML 01/90 NER effective April 3,1990 at 7.00 AM E.S.T.

~~SEC. 35/90~~	~~W-S-34/95~~	~~JUNE 1/95~~	~~M & S~~	~~195150~~

SYMBOLS

Boundary
- Township, Meridian, Baseline
- Road allowance; surveyed
- shoreline
- Lot/Concession; surveyed
- unsurveyed
- Parcel; surveyed
- unsurveyed
- Right-of-way; road
- railway
- utility
- Reservation
- Cliff, Pit, Pile
- Contour
- Interpolated
- Approximate
- Depression
- Control point (horizontal)
- Flooded land
- Mine head frame
- Pipeline (above ground)
- Railway; single track
- double track
- abandoned
- Road; highway, county, township
- access
- trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

DATE OF ISSUE
NOV 02 1998
PROVINCIAL RECORDING OFFICE - SUDBURY

JUNE 1/95 - RE-OPEN TRS7564 O.G. MAY 13/95 PG. 1473.

DISPOSITION OF CROWN LANDS

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
- Cancelled
- Reservation
- Sand & Gravel

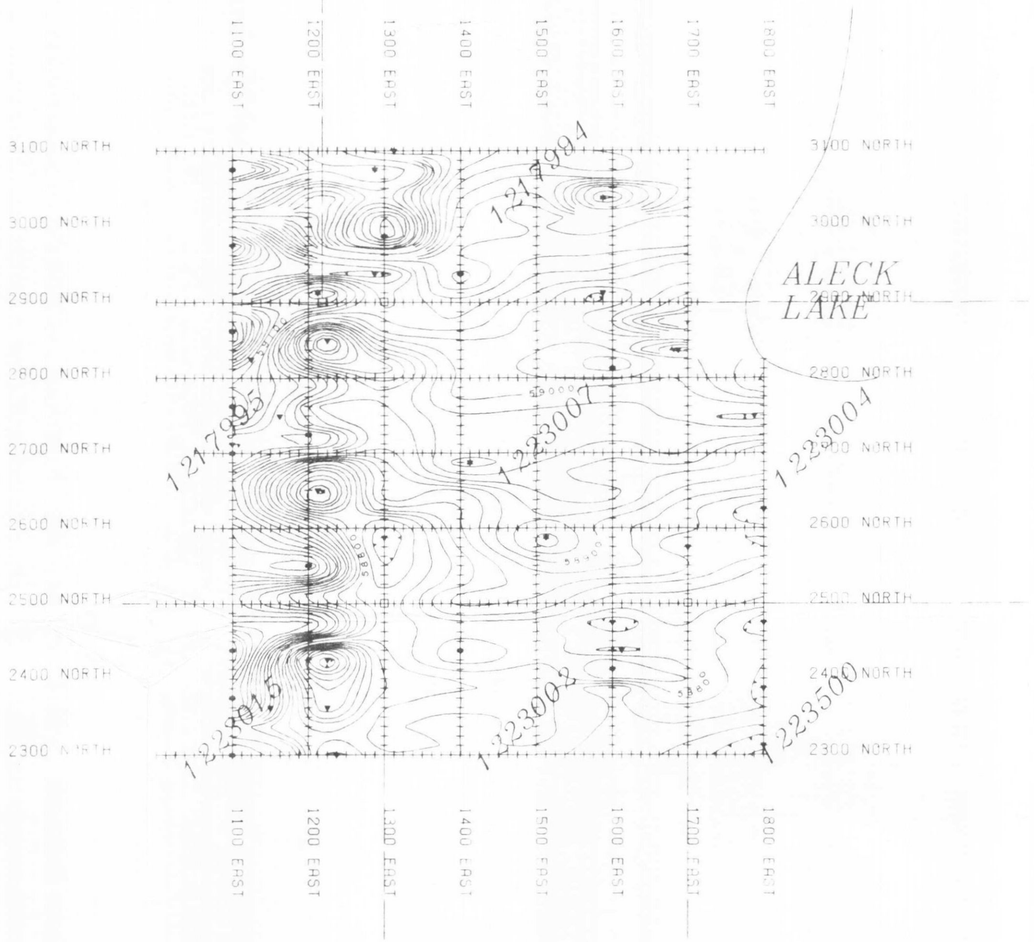
THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources.

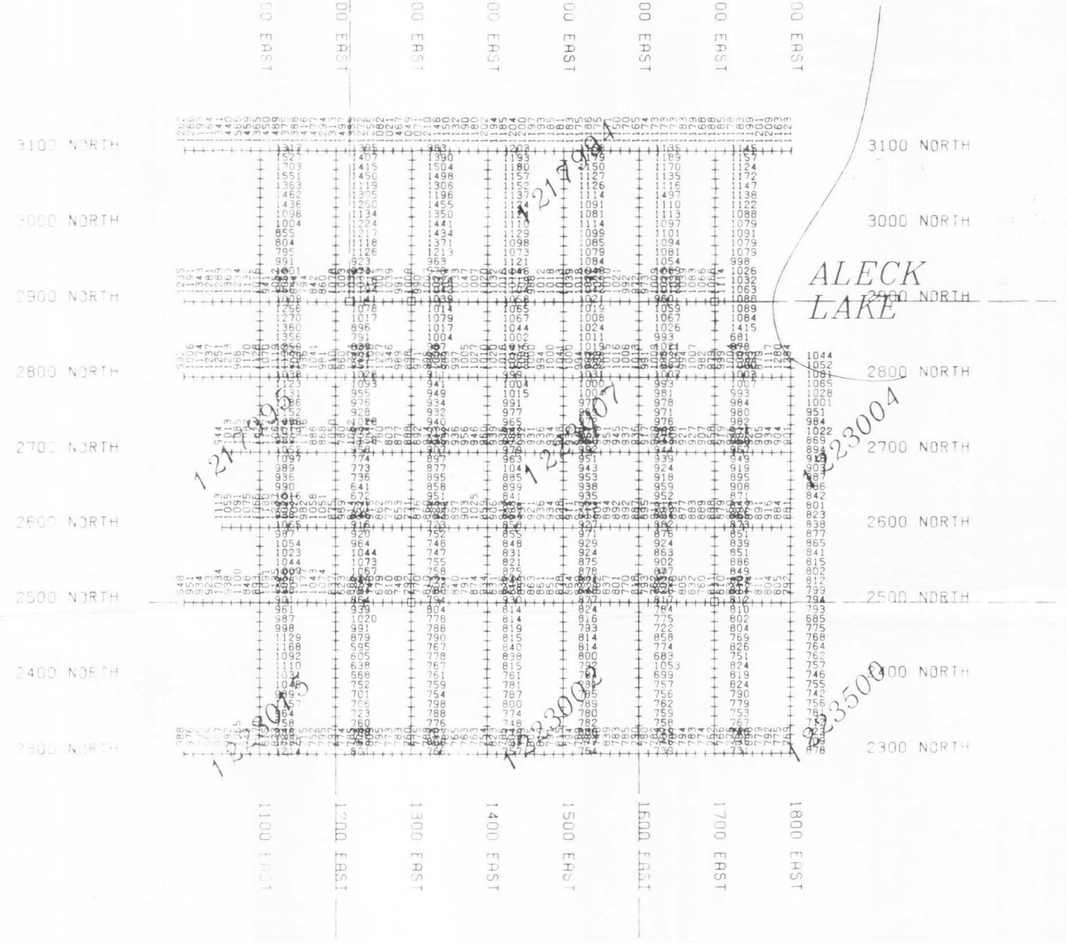
The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only.

G-2908

MACBETH TWP



MACBETH TWP



2.18876

200 100 0 50 100 200

LEGEND

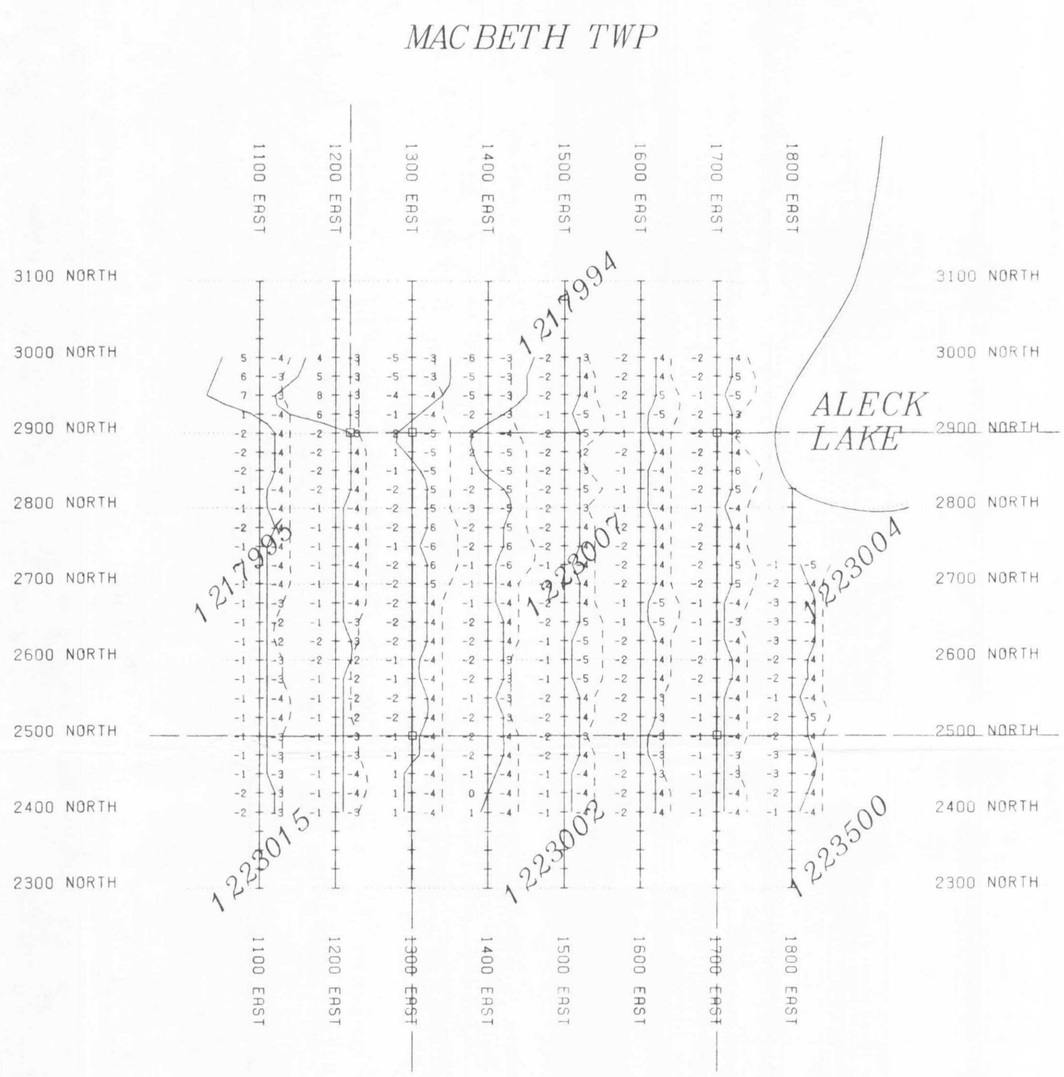
INSTRUMENT: GEM GSM-19 PROTON PRECESSION MAGNETOMETER
PARAMETERS MEASURED: EARTH'S TOTAL MAGNETIC FIELD (NANO-TESLAS)
READING INTERVAL: 12.5 M
CONTOUR INTERVAL: 20 nT.
DIURNAL CORRECTION METHOD: RECORDING GEM GSM-19 BASE STATION
DATUM SUBTRACTED FROM ALL PLOTTED READINGS: 58000nT

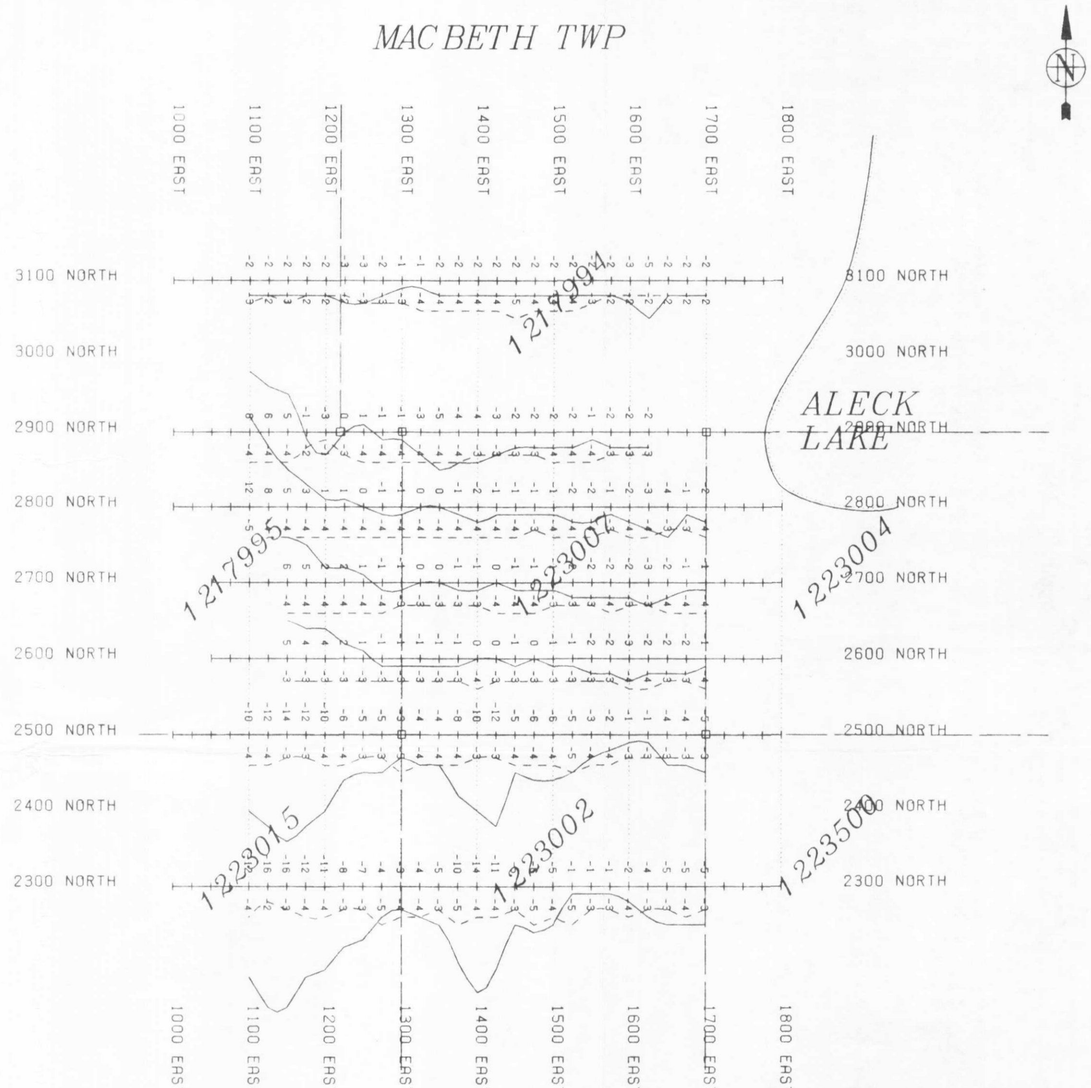
Client: FALCONBRIDGE LIMITED
Property: MOSES LAKE PROPERTY-8031
Title: POSTED AND CONTOURED MAGNETOMETER SURVEY

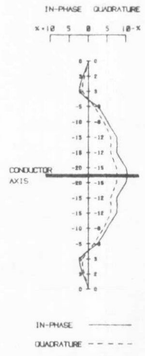
Processed: SDA	Checked: SDA
Date: SEPT/98	Township: MACBETH
Province: ONT	N.T.S.:
Scale: 1:5000	Drawing: V39MAG

VISION EXPLORATION
TIMMINS ONTARIO

41I16NW2001 2.18876 MACBETH







LEGEND

METHOD: Horizontal Loop
MODE: Maximum Coupled
INSTRUMENT: Apex Max-Min II
SERIAL No. 1040
COIL SEPARATION: 200 METERS
READING INTERVAL: 25 Metres
FREQUENCY: 222 Hz.
CONDUCTOR AXIS
PROFILE SCALE: 1cm-0.5%

GOOD
MEDIUM
POOR

2.18876

200 100 0 50 100 200

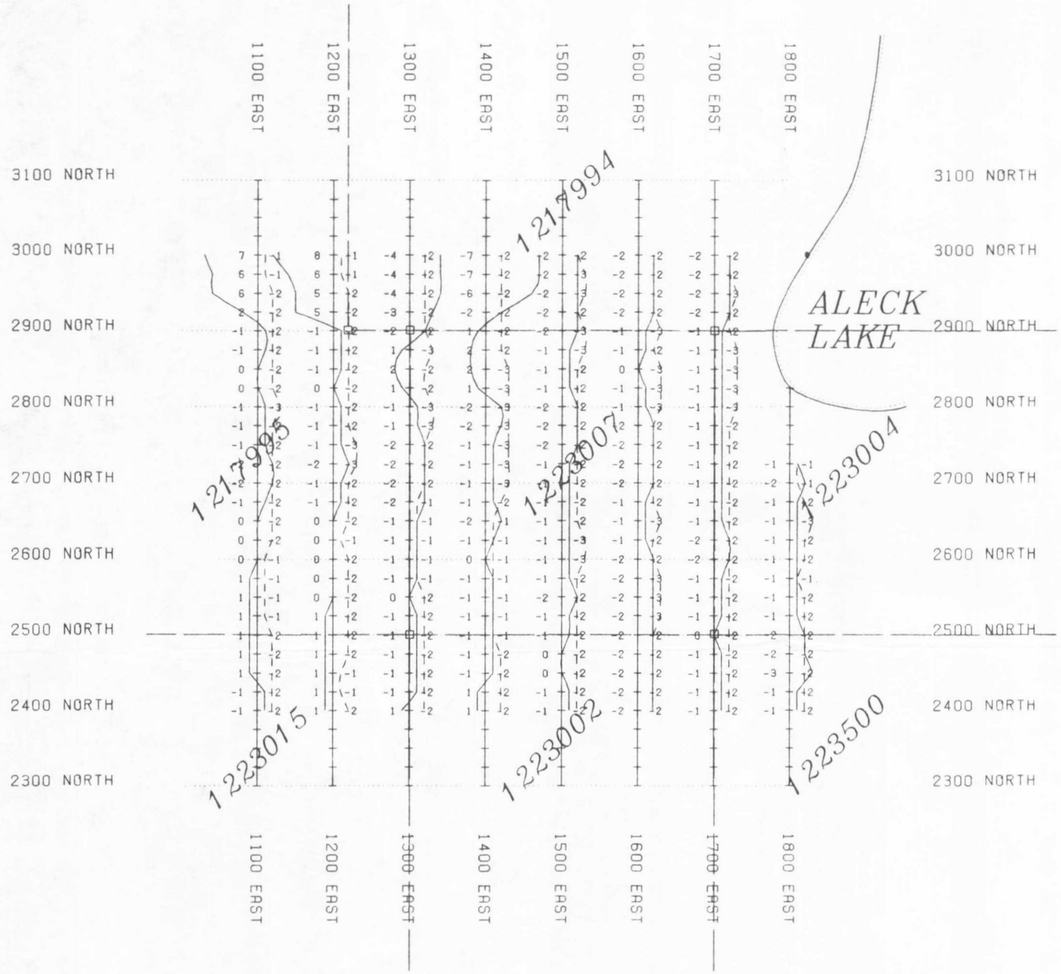
Client: FALCONBRIDGE LIMITED
Property: MOSES LAKE PROPERTY-8031
Title: POSTED AND PROFILED HLEM SURVEY 222 Hz

Processed: SDA	Checked: SDA
Date: SEPT/98	Township: MACBETH
Province: ONT	N.T.S.:
Scale: 1:5000	Drawing: V39222

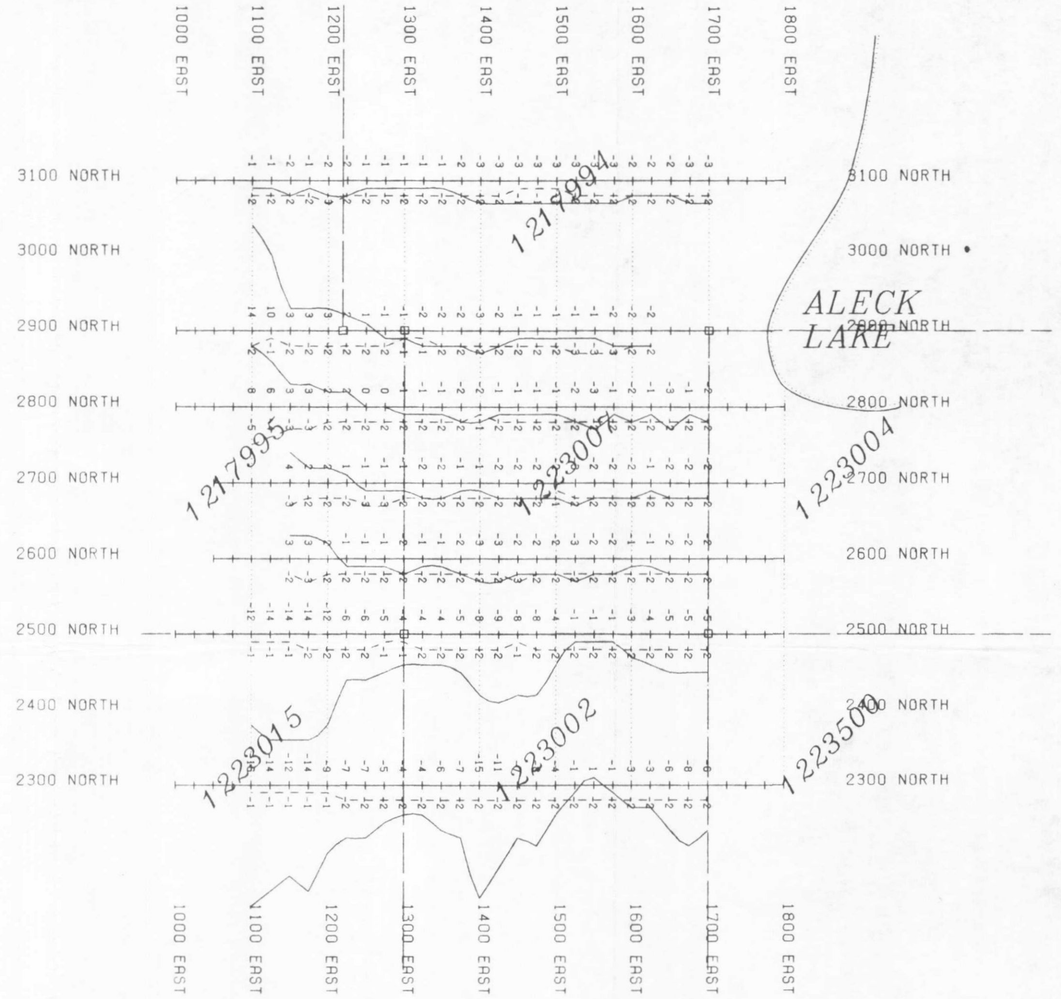
VISION EXPLORATION
TIMMINS ONTARIO

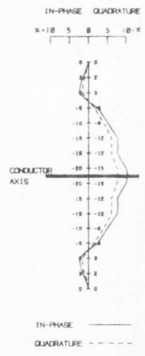
41I16NW2001 2.18876 MACBETH 220

MACBETH TWP



MACBETH TWP





LEGEND

METHOD: Horizontal Loop
MODE: Maximum Coupled
INSTRUMENT: Apex Max-Min II
SERIAL No. 1040
COIL SEPARATION: 200 METERS
READING INTERVAL: 25 Metres
FREQUENCY: 444 Hz.
CONDUCTOR AXIS
PROFILE SCALE: 1cm-0.5%

GOOD
MEDIUM
POOR

2.18876

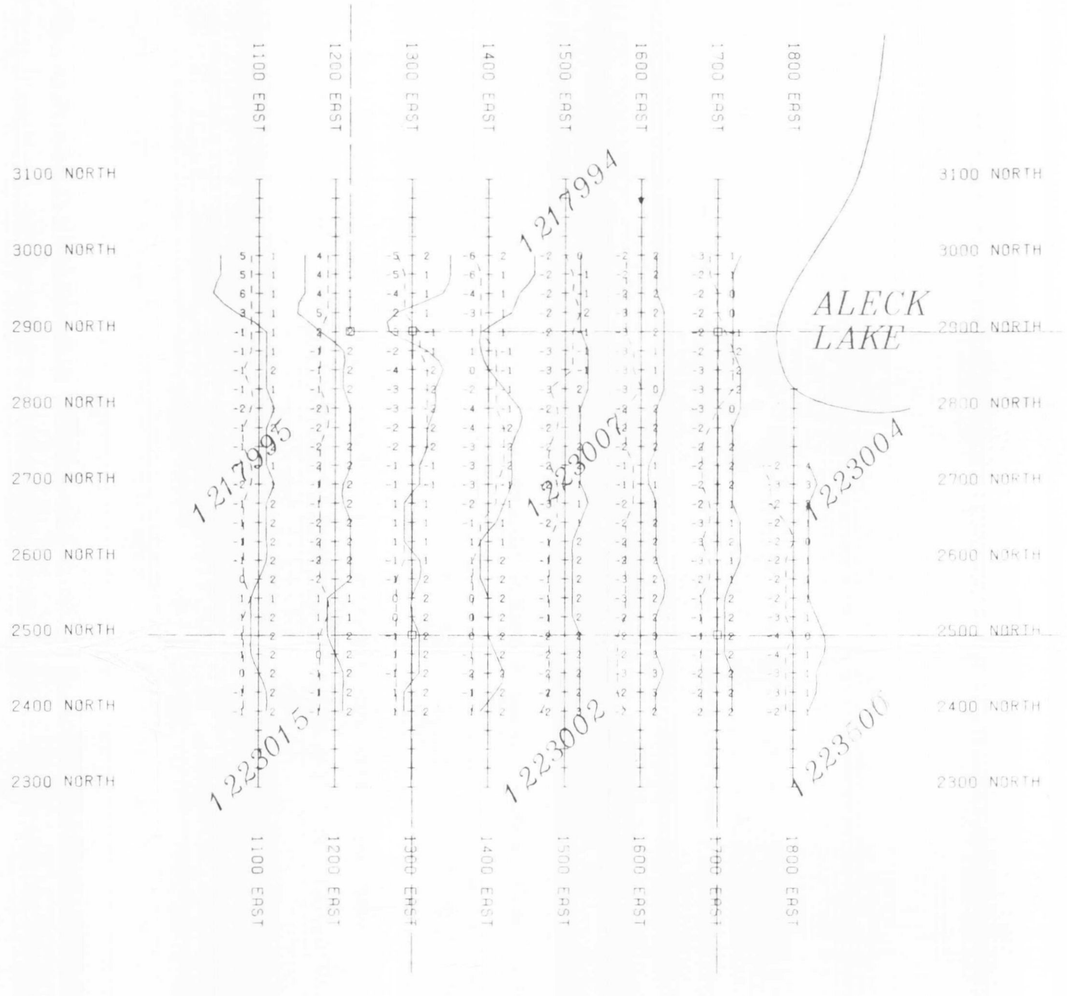
200 100 0 50 100 200

Client: FALCONBRIDGE LIMITED
Property: MOSES LAKE PROPERTY-8031
Title: POSTED AND PROFILED HLEM SURVEY 444 Hz

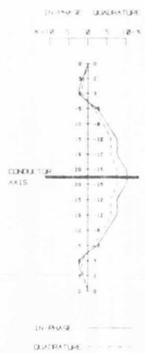
Processed: SDA	Checked: SDA
Date: SEPT/98	Township: MACBETH
Province: ONT	N.T.S.:
Scale: 1:5000	Drawing: V39444

VISION EXPLORATION
TIMMINS ONTARIO

MACBETH TWP



MACBETH TWP



LEGEND

METHOD: Horizontal Loop
MODE: Maximum Coupled
INSTRUMENT: Apex Max-Min II
SERIAL No. 1040
COIL SEPARATION: 200 METERS
READING INTERVAL: 25 Metres
FREQUENCY: 1777 Hz.
CONDUCTOR AXIS
PROFILE SCALE: 1cm=0.5%

GOOD
MEDIUM
POOR

2.18876

200 100 0 50 100 200

Client: FALCONBRIDGE LIMITED

Property: MOSES LAKE PROPERTY-8031

Title: POSTED AND PROFILED HLEM SURVEY 1777 Hz

Processed: SDA	Checked: SDA
Date: SEPT/98	Township: MACBETH
Province: ONT.	N.T.S.
Scale: 1:5000	Drawing: V19777

VISION EXPLORATION
TIMMINS ONTARIO