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**REPORT ON
GEOPHYSICAL WORK
ON
REAUME TOWNSHIP CLAIMS
REAUME HANNA PROJECT**

NTS: 41-A/14

PROJ # 8232

**FOR
FALCONBRIDGE LIMITED**

OCTOBER 1994

**D. LONDROY
TIMMINS GEOPHYSICS LTD.**

SUMMARY AND RECOMMENDATIONS

HLEM and magnetic surveys were carried out on a number of claims in Reaume Township for Falconbridge Limited in August of 1994.

High magnetic anomalies on the property map folded and faulted ultramafic flows or sills. A number of HLEM anomalies outline good conductivity within areas of low magnetic field or on the flank of high magnetic anomalies. Previous drill holes to test these anomalies intersected graphitic zones within intermediate volcanics or close to the contact between ultramafics and intermediate volcanics.

Anomaly 'B' is interesting because it has a short strike length and is located on the flank of a formational conductor (Anomaly 'A'). It does not, however, have a coincident high magnetic anomaly.

Anomaly 'K' reflects very poor conductivity associated with a high magnetic anomaly. This may represent deeper overburden over the magnetic unit, however, it is recommended that this is tested by diamond drilling.



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INTRODUCTION

During August 1994, magnetic and horizontal loop electromagnetic (HLEM) surveys were carried out for Falconbridge Limited on five claims in Reaume Township as part of the Reaume-Hanna Project.

The purpose of the magnetic survey was to map ultramafic flows or sills on the claims and the purpose of the EM survey was to test for conductivity which might be due to nickel mineralization.

The property is located approximately 50 kilometres north of the city of Timmins and 15 kilometres southwest of the town of Cochrane (Figure 1(a), Porcupine Mining Division. It was accessed by travelling south from Highway 11, on the Dunn Lake Road, approximately 10 kilometres west from Cochrane. A logging road which turns off the Dunn Lake Road runs along the south edge of the survey area.

The surveys covered five contiguous claims which are comprised of a total of thirty-six 44 acre claim units. The claims are numbered as follows:

<u>CLAIM #</u>	<u># OF UNITS</u>	<u>DESCRIPTION</u>
P1189969	12	Reaume Twp.
P1201444	2	Reaume Twp.
P1201445	15	Reaume Twp.
P1201446	9	Reaume Twp.
P1201447	6	Reaume Twp.

The author of this report ran the magnetic survey and was assisted by J. DerWeduwen with the HLEM survey.

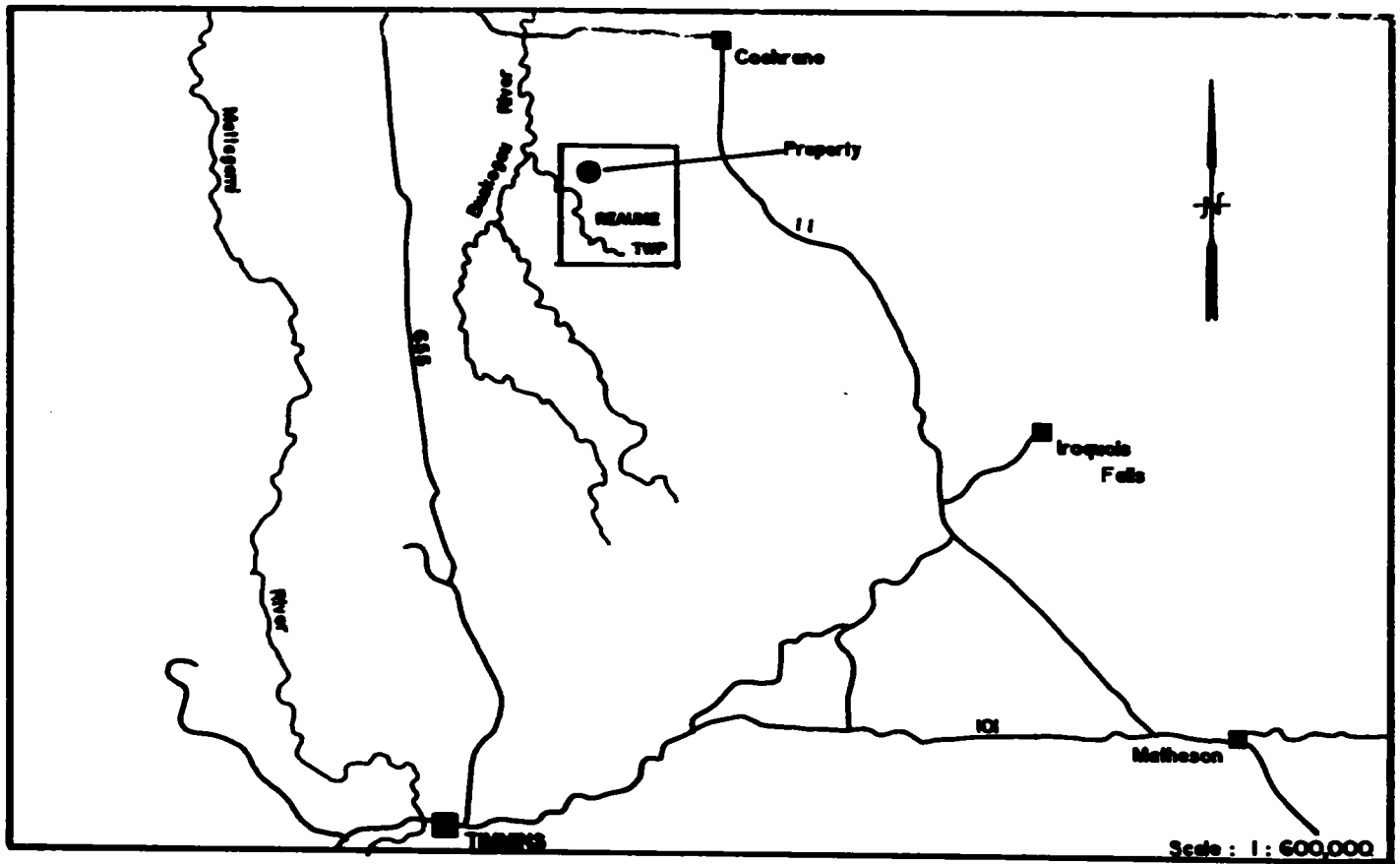


Figure (a) : Location Map

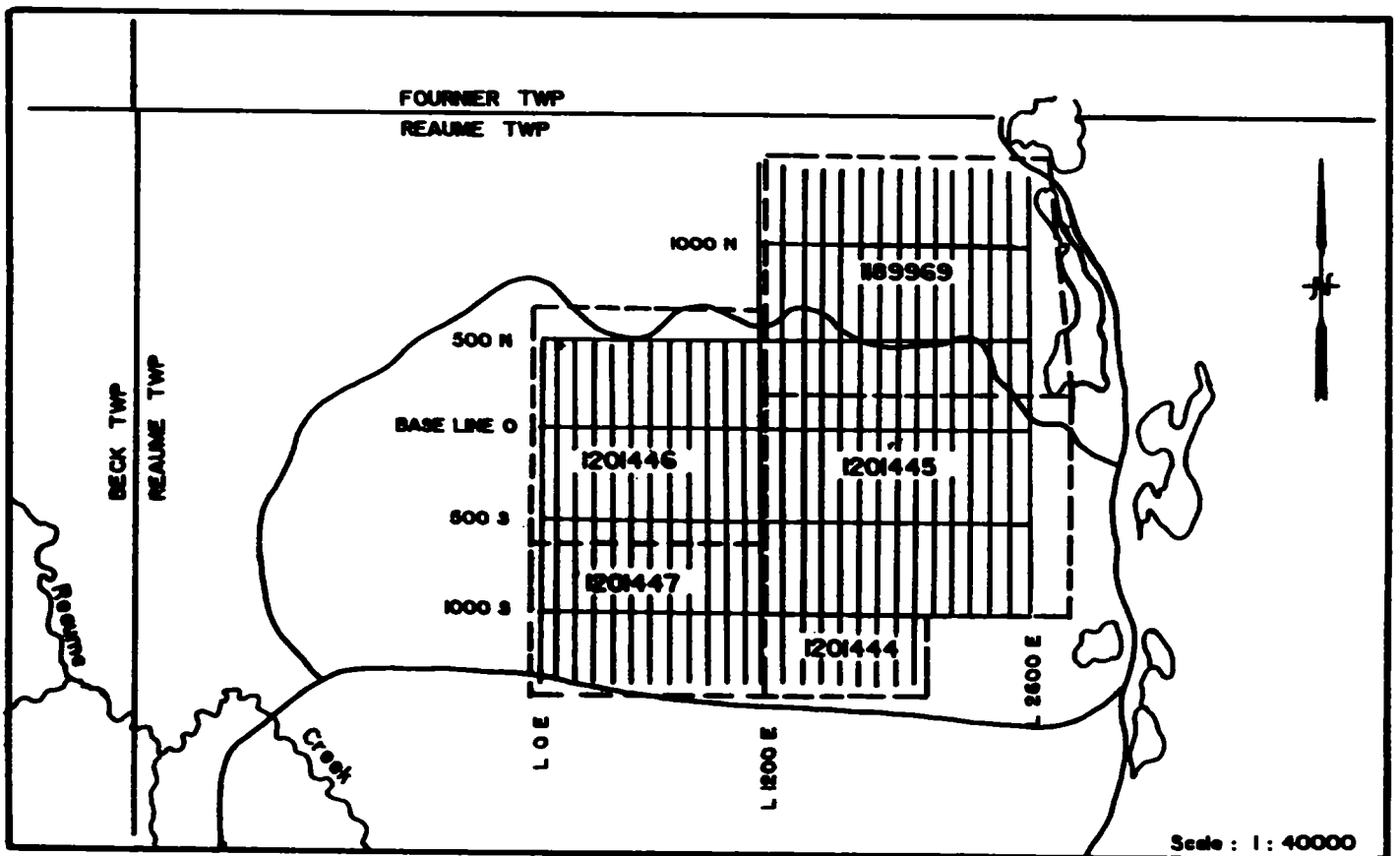


Figure (b) : Claim Map

GENERAL GEOLOGY

The geology of Reaume Township is given on regional geological map 2205 by D. R. Pyke, et al (1972) and on a compilation of previous work in Reaume Township by E. G. Bright, et al (1972) and D. S. Hunt, et al (1980).

Previous drill holes and geophysical surveys indicate that the property is underlain by west northwest striking basic to felsic metavolcanics, ultramafic flows or sills and interflow graphitic sediments.

A rock sample from an ultramafic outcrop, to the west of the Falconbridge property, was reported to contain chromium and microscopic diamonds (Gibson, 1914). A hole drilled in a serpentinite to the southeast of the Falconbridge property, by Kerr Addison Mines Ltd. in 1965, ran .57% Ni and .66% Cu over 2 feet (Bright, 1972).

PREVIOUS WORK

The following is a description of previous work (Table 1) which has been filed for assessment credits on the property. Work carried out in Reaume Township prior to 1979 has been compiled by D.S. Hunt, et al (1980). Figure 2 shows the approximate location of holes which were previously drilled on the Falconbridge property.

In 1950, Canadian Johns Manville Co. Ltd. carried out a large exploration program in Reaume and Hanna Townships in the search for asbestos in basic to ultrabasic bodies. A large claim block which included the present survey area was covered with north-south grid lines and surveyed with a vertical field

YEAR	COMPANY	GEOPHYSICS	DRILL HOLES	ASSESSMENT FILE
1950	CANADIAN JOHNS-MANVILLE CO. LTD.	MAG	R1,R2	T-456
1961	PROSPECTORS AIRWAYS CO. LTD.	MAG,EM		T-679
1965	INCO		28459,467,471,478,4820 28482,28483,29200	T-749
1977	SHELL CANADA RESOURCES LIMITED	MAG,HLEM	78-38	T-1906
1977	GEOPHYSICAL ENGINEERING LIMITED		PP4-6	T-1784
1977	NORANDA EXPLORATION CO. LTD.	MAG	R-78-1	T-1760
1987	IMPERIAL PLATINUM CORPORATION	MAG,VLF,GEOL		T-2955

Table 1. Summary of previous assessment work.

magnetometer. Two holes, R1 and R2, were drilled on the present Falconbridge property in 1952 to test high magnetic anomalies.

In 1961, Prospectors Airways Co. Ltd. carried out EM and magnetic surveys over nine claims which included the southeast corner of the present survey area. The surveys were run along north-south lines spaced every 400 feet.

The International Nickel Co. of Canada Ltd. filed the logs from holes drilled in northwest Reaume Township in 1965. Seven of these holes were located within or on the perimeter of the present property held by Falconbridge.

In 1977 Geophysical Engineering Limited drilled one hole, PP4-6, to test a conductor in the southeast corner of the present Falconbridge property.

In 1977, Noranda Exploration Co. Ltd. ran a magnetic survey over 4 claims

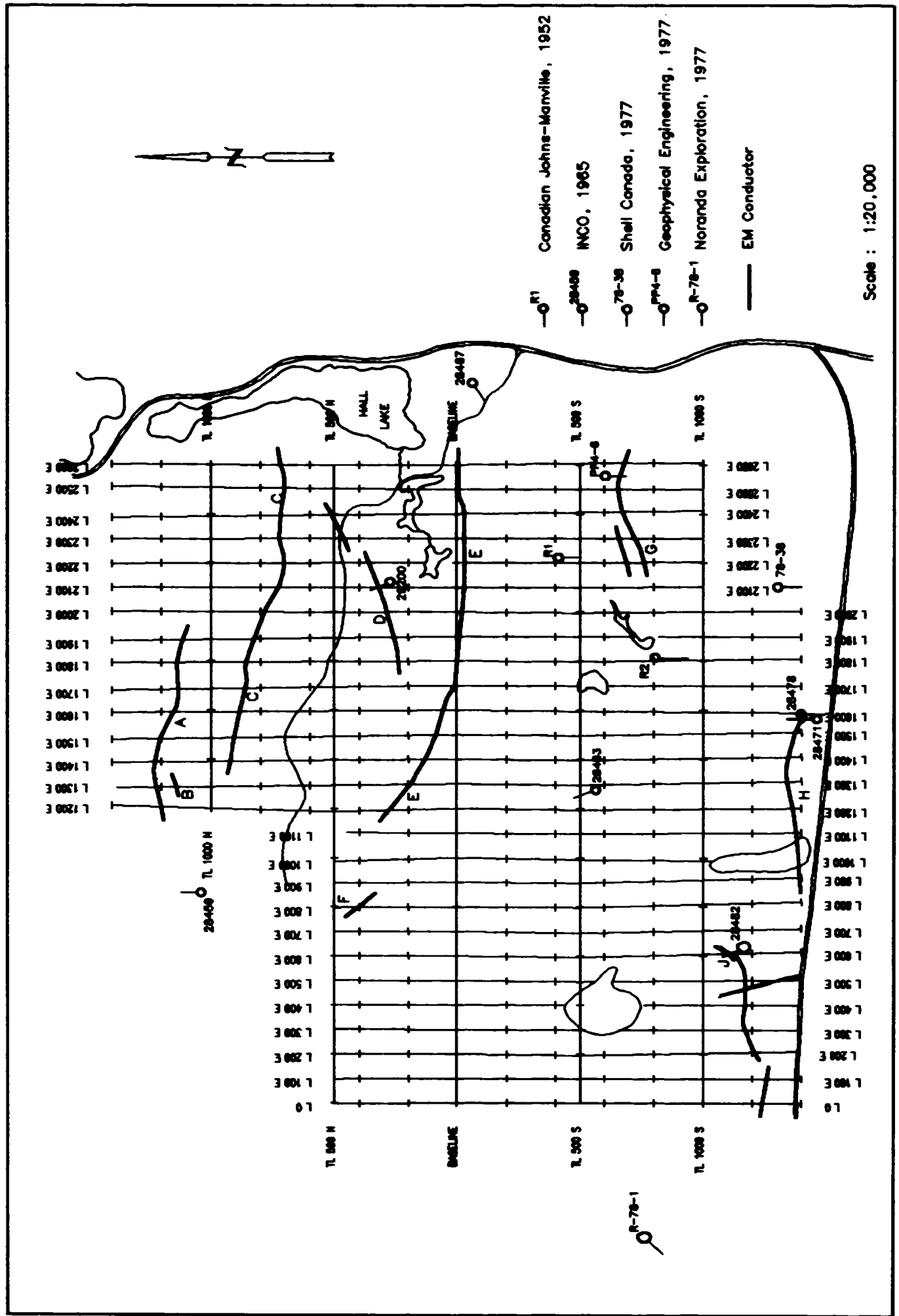


Figure 2: Approximate Location of Previous Drill Holes

of a 6 claim block directly to the west of the Falconbridge property. In 1978, one hole (R-78-1) was drilled to test a high magnetic anomaly close to the chromite showing.

In 1977, Shell Canada Resources Limited carried out a large exploration program on properties in Hanna, Reaume, Beck, Lucas, Duff, Mann and St. John Townships. A block of 48 claims which included the south 1/4 of the present survey area was covered with 77 kilometres of grid lines. The lines were oriented north-south and spaced every 100 metres. Magnetic and HLEM surveys were run along the lines, however, the EM results were not filed for assessment credits. Diamond drill hole 7602-78-38, which intersected bands of graphitic argillite in intermediate volcanics, was sunk to test an EM conductor to the southeast of the present grid.

In 1987, Imperial Platinum Corporation carried out magnetic and very low frequency (VLF) surveys on a group of 135 claims which includes a large portion of the present survey area. The surveys were run on north-south grid lines spaced every 400 feet. The magnetic readings were taken with a total field proton precession magnetometer and the VLF survey was run with a Crone Radem using Cutler, Maine as the transmitter station.

SURVEY DESCRIPTIONS

An east-west base line, designated 0 North, was established through the center of the property and orthogonal grid lines were cut every 100 metres. Tie lines were cut every 500 metres to the north and south of the baseline and all of the lines were picketed every 20 metres Figure 1(b).

The horizontal loop EM survey was carried out with the Apex Parametrics MaxMin I-5. This instrument measures the in-phase and quadrature components of the secondary field as a percentage of the primary field; the depth of penetration is approximately one half of the coil separation. Readings were taken every 20 metres using a coil separation of 160 metres and frequencies of 444 and 1777 Hertz. A total of 2815 stations were sampled along 61 kilometres of line.

The magnetic readings were taken every 10 metres with a Scintrex IGS-2/MP-4. This instrument is a proton precession magnetometer which measures the earth's total magnetic field to an accuracy of 0.1 nT. Diurnal variations were monitored every 10 seconds with a Scintrex MP-3 base station magnetometer. A total of 6128 readings were taken along 61 kilometres of line.

EM RESULTS

The results of the HLEM survey are profiled on maps 1 and 2 at a scale of 1:5000; the profile scale used for both frequencies is 1cm = 20%. The results are also presented in Figures 3 and 4 at a scale of 1:20,000. The profile scale used in these figures is 1cm = 60%.

The following is a description of anomalies 'A' to 'J' which represent bedrock conductors. A number of anomalies, which are outlined but not labelled on the high frequency map, are mainly quadrature anomalies and likely represent surficial conductivity at the edge of bedrock highs. Anomalies 'K' and 'L' represent poor conductivity which may not be surficial.

Anomalous positive in-phase readings which coincide with the ultramafics are



LEGEND

Instrument : Max Min I-S
Coil Separation : 160 metres
Frequency : 444 Hertz
Profile Scale : 1cm = 60%
— Conductor Axis

Scale : 1:20,000

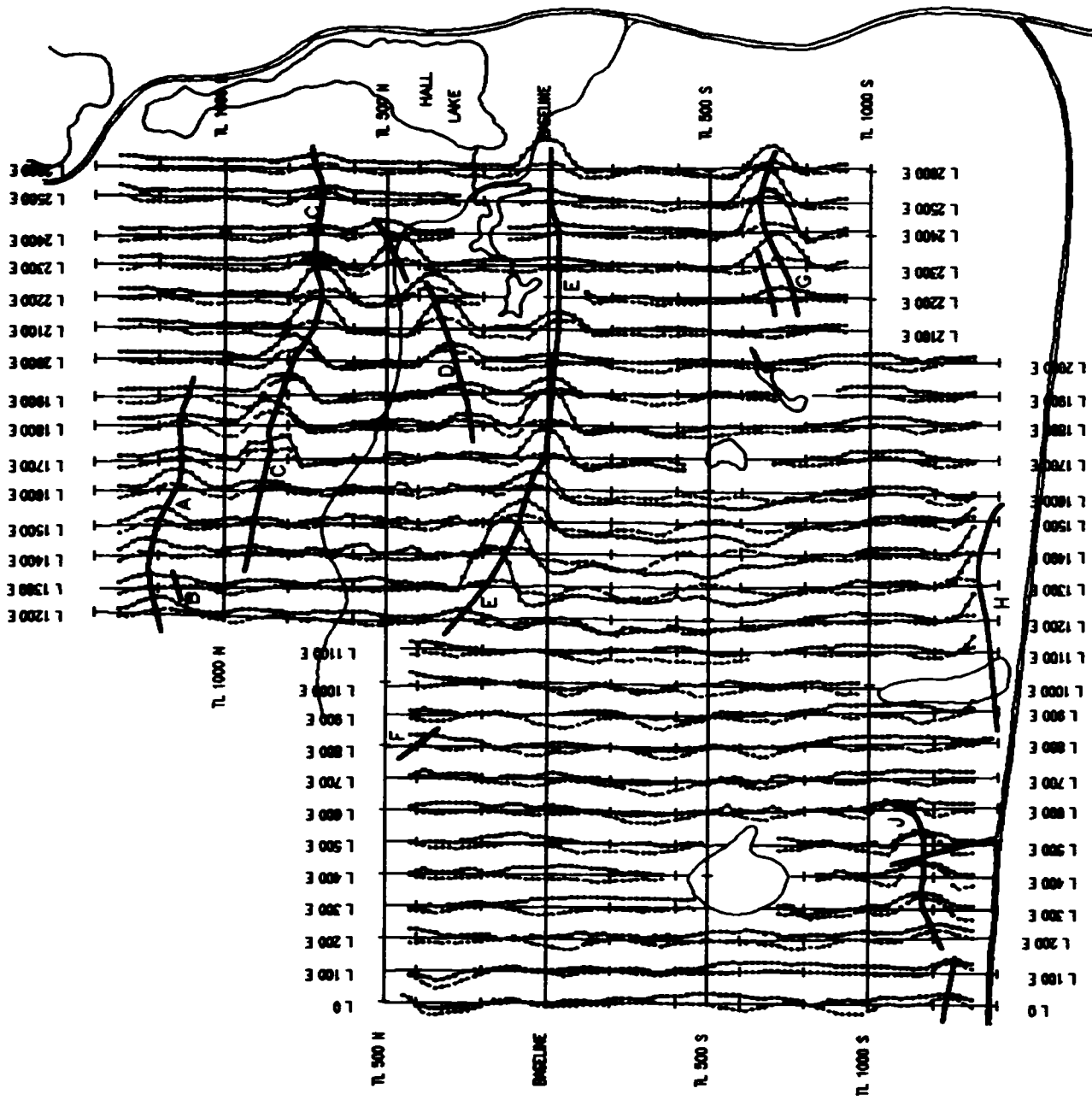
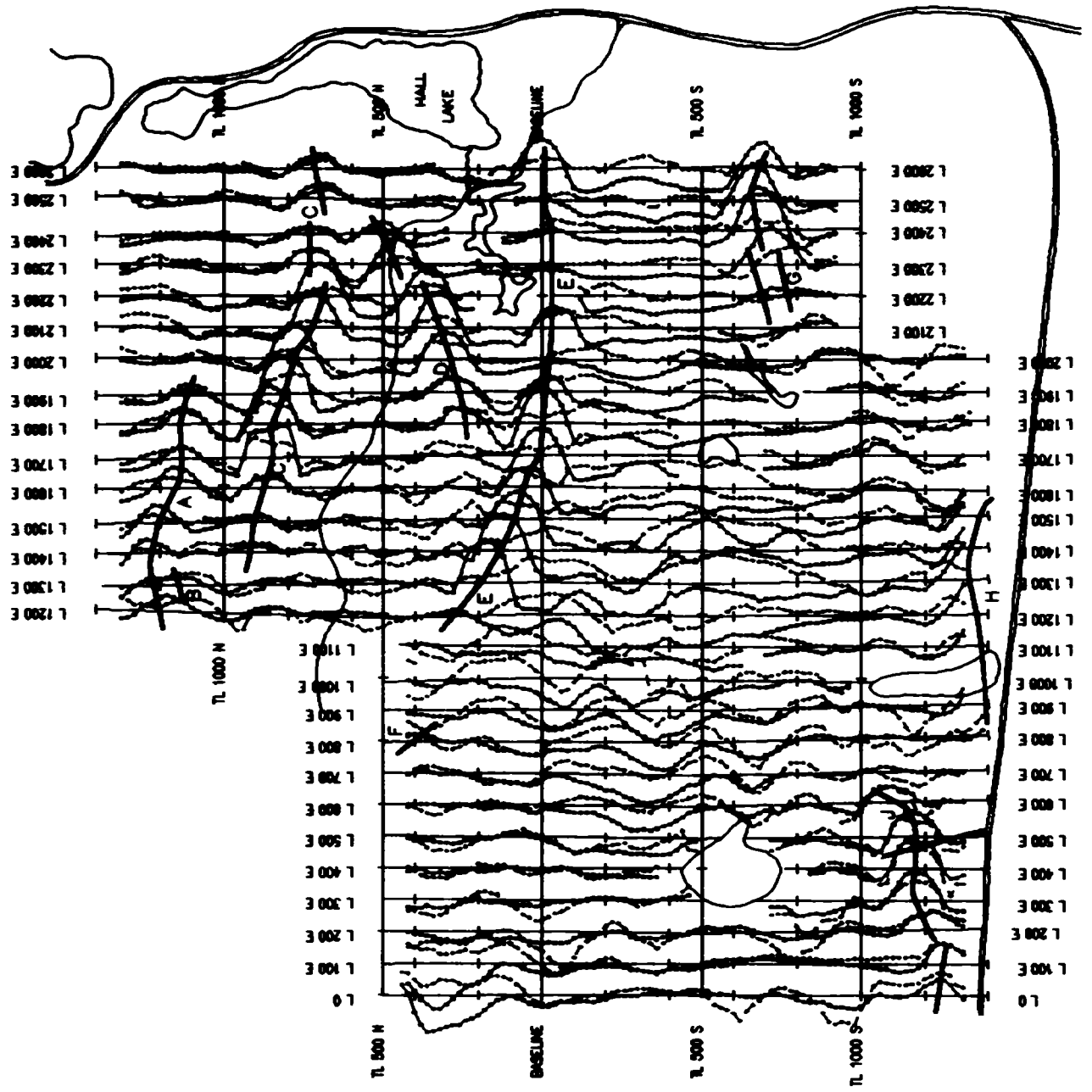


Figure 3 : HLEM Profiles, 444 Hertz



LEGEND

Instrument : Max Min I-5
 Coil Separation : 180 metres
 Frequency : 1777 Hertz
 Profile Scale : 1cm = 60%
 — Conductor Axis

Scale : 1:20,000

Figure 4 : HLEM Profiles, 1777 Hertz

likely due to the magnetite content of these bodies. This inversion is most noticeable on Lines 1200 to 1700 East between the baseline and 1000 South.

Anomaly 'A' is located to the north of Tie Line 1000 North on Lines 1200 East to 1900 East. The conductivity of the source is poor on Lines 1700 to 1900 East, however, improves to the west (Table 2). The depth of the conductor also increases from east to west; it is less than 16 metres on Lines 1800 and 1900 East and 69 metres on Line 1300 East. The dip of the conductor is difficult to determine because the profiles are incomplete on Lines 1200 to 1500 East and there is interference from anomaly 'C' on Lines 1600 to 1900 East. It is located within an area of uniform low magnetic field.

This conductor was likely the target of Hole 28459, which was drilled by Inco to the west of the present Falconbridge property in 1965. This hole was drilled from south to north and intersected a graphitic horizon within intermediate volcanics.

Anomaly 'B' is a one line anomaly in the low frequency results which is centered at 1140 North on Line 1300 East. The source of the anomaly is a

LINE	ANOMALY CENTRE	ANOMALY WIDTH (M)	IP (%)	Q (%)	DEPTH (M)	CONDUCTIVITY THICKNESS (MHOS)	COMMENTS
1200 E	1200 N	narrow	-9	-8	53	16	
1300 E	1220 N	?	-7	-5	69	21	
1400 E	1225 N	20	-9	-8	53	16	
1500 E	1205 N	10	-10	-10	43	12	
1600 E	1150 N	10	-13	-12	38	14	
1700 E	1130 N	20	-4	-9	16	4	
1800 E	1135 N	10	-3	-11	<16	2	
1900 E	1110 N	narrow	-1	-6	<16	2	

Table 2: Anomaly 'A' Interpretation, 444 Hz, 160 metre coil separation.

LINE	ANOMALY CENTRE	ANOMALY WIDTH (M)	IP (%)	Q (%)	DEPTH (M)	CONDUCTIVITY THICKNESS (MHOS)	COMMENTS
1300 E	1140 N	?	-4	-5	53	7	

Table 3: Anomaly 'B' Interpretation, 444 Hz, 160 metre coil separation.

moderate conductor at a depth of 53 metres (Table 3); the width and dip can not be determined because it is located too close to anomaly 'A'. This anomaly is also located in a uniform low magnetic field.

Anomaly 'C' strikes east-west between Lines 2600 East and 2100 East at approximately 700 North and west northwest between Lines 2100 East and 1500 East. The conductivity of the source is poor to fair except on Lines 2000 East to 2200

LINE	ANOMALY CENTRE	ANOMALY WIDTH (M)	IP (%)	Q (%)	DEPTH (M)	CONDUCTIVITY THICKNESS (MHOS)	COMMENTS
1400 E	920 N	narrow	-3	-3	66	9	
1500 E	905 N	narrow	-2	-5	16	2	
1600 E	885 N	10	-3	-6	26	3	
1700 E	863 N	15	-16	-14	32	16	
1800 E	863 N	15	-18	-18	21	12	
1900 E	823 N	15	-14	-20	<16	7	S Dip
2000 E	785 N	10	-18	-14	32	18	S Dip
2100 E	725 N	30	-25	-11	34	53	S Dip
2200 E	705 N	15	-23	-11	35	48	
2300 E	720 N	?	-4	-10	16	4	interference from anomaly D
2400 E	700 N	?	-1	-6	<16	2	interference from anomaly D
2500 E	700 N	narrow	-4	-8	24	4	
2600 E	720 N	narrow	-5	-7	43	5	

Table 4: Anomaly 'C' Interpretation, 444 Hz, 160 metre coil separation.

East where it is very good (Table 4). The depth ranges from less than 16 metres to 66 metres, the width is up to 30 metres on Line 2100 East and the dip is to the south. The conductor is folded or offset between Lines 1700 and 18800 East, and between Lines 2000 and 2100 East. It is located on the north flank of a linear high magnetic anomaly and dips to the south.

Anomaly 'D' strikes east northeast from 240 North on Line 1800 East to 510 North on Line 2400 East. The source of this anomaly is a 20 metre wide conductor with fair to good conductivity (Table 5). It is either folded or offset in a sinistral sense between Lines 2200 and 2300 East.

The HLEM results suggest that the dip is to the north on Lines 2000 and 2100 East, where there is no interference from other conductors. Hole 29200, however, was drilled from south to north and intersected graphitic shears at the contact between intermediate volcanics to the south and ultramafics to the north.

Anomaly 'E' strikes east-west close to the baseline from Line 2600 to 1700 East and west northwest between Lines 1700 and 1200 East. The conductivity of

LINE	ANOMALY CENTRE	ANOMALY WIDTH (M)	IP (°)	Q (°)	DEPTH (M)	CONDUCTIVITY THICKNESS (MHOS)	COMMENTS
1800 E	240 N	?	-7	-9	24	7	
1900 E	260 N	20	-6	-9	32	5	
2000 E	290 N	20	-13	-15	27	11	
2100 E	325 N	20	-22	-15	27	22	
2200 E	370 N	20	-18	-14	32	18	
2300 E	460 N	15	-21	-8	43	68	
2400 E	510 N	20	-9	-6	64	22	

Table 5: Anomaly 'D' Interpretation, 444 Hz, 160 metre coil separation.

the source is very good except between Lines 2000 to 2500 East where it is moderate to poor (Table 6). The average depth to the source is 35 to 40 metres although it is as great as 85 metres on Line 1200 East. The width of the conductor is 10 to 25 metres and the dip is to the south.

This zone may have been tested by Hole 28467 which was drilled by Inco to the east of the present survey area; it intersected a graphite zone.

LINE	ANOMALY CENTRE	ANOMALY WIDTH (M)	IP (S)	Q (S)	DEPTH (M)	CONDUCTIVITY THICKNESS (MIDS)	COMMENTS
1200 E	275 N	10	-6	-3	85	43	
1300 E	190 N	10	-33	-7	32	124	
1400 E	130 N	20	-33	-8	30	110	
1500 E	0+85 N	25	-19	-8	45	59	
1600 E	0+55 N	20	-13	-6	59	52	
1700 E	0+10 N	15	-24	-7	40	92	
1800 E	0+00	15	-29	-8	35	98	
1900 E	0+10 S	15	-10	-7	40	22	
2000 E	0+20 S	20	-3	-4	48	5	
2100 E	0+30 S	20	-12	-12	37	13	
2200 E	0+30 S	?	?	?	?	?	beaver pond
2300 E	0+30 S	narrow	-2	-3	64	9	
2400 E	0+30 S	?	-3	-5	32	4	
2500 E	0+00	?	-6	-6	56	11	
2600 E	0+07 S	25	-24	-11	35	50	

Table 6: Anomaly 'E' Interpretation, 444 Hz, 160 metre coil separation.

Anomaly 'F' is a one line, questionable anomaly centered at 400 North on Line 800 East. The source of the anomaly is a poor conductor at a depth of 48 metres (Table 7). The width and dip can not be determined because the anomaly is incomplete to the north.

Anomaly 'G' reflects a very good conductor in the southeast corner of the

LINE	ANOMALY CENTRE	ANOMALY WIDTH (M)	IP (%)	Q (%)	DEPTH (M)	CONDUCTIVITY THICKNESS (MHOS)	COMMENTS
800 E	380 N	?	-3	-4	48	5	

Table 7: Anomaly 'F' Interpretation, 444 Hz, 160 metre coil separation.

property on Lines 2200 to 2600 East. The depth of the zone is 20 metres on Line 2400 East, however, it increases to the west and east (Table 8). The large widths indicated by this anomaly are likely due to multiple conductors.

This anomaly was likely the target of Hole PP4-6 which intersected a graphite zone at the contact between ultramafics to the north and mafic volcanics to the south.

LINE	ANOMALY CENTRE	ANOMALY WIDTH (M)	IP (%)	Q (%)	DEPTH (M)	CONDUCTIVITY THICKNESS (MHOS)	COMMENTS
2200 E	720 S	70	-7	-3	51	94	
2300 E	690 S	65	-27	-12	29	53	
2400 E	675 S	20	-36	-12	22	78	
2500 E	655 S	30	-28	-9	35	82	
2600 E	680 S	narrow	-17	-10	43	25	

Table 8: Anomaly 'G' Interpretation, 444 Hz, 160 metre coil separation.

Anomaly 'H' is located along the south end of Lines 900 to 1600 East on the south flank of linear magnetic high. The only parameter which can be interpreted from this partially defined anomaly is the location of the north edge of the conductor (Table 8). The in-phase/quadrature ratio does, however, suggest that the conductivity of the source is very good.

This anomaly was the target of Holes 28471 and 28478 which were drilled by Inco in 1965. The holes intersected a graphitic horizon at the contact between intermediate volcanics to the south and a gabbro to the north.

LINE	ANOMALY CENTRE	ANOMALY WIDTH (M)	IP (%)	Q (%)	DEPTH (M)	CONDUCTIVITY THICKNESS (MMS)	COMMENTS
900 E	1390 S	?	?	?	?	?	
1000 E	?	?	?	?	?	?	
1100 E	1375 S	?	?	?	?	?	
1200 E	1360 S	?	?	?	?	?	
1300 E	1340 S	?	?	?	?	?	
1400 E	1345 S	?	?	?	?	?	
1500 E	1370 S	?	?	?	?	?	

Table 9: Anomaly 'H' Interpretation, 444 Hz, 160 metre coil separation.

Anomaly 'J' is located at the south end of Lines 0 to 600 East. The source of the anomaly is a poor conductor at a shallow depth; the width of the source is up to 25 metres (Table 10). The anomaly swings to the northeast on Line 600 East along the southeast flank of a high magnetic anomaly.

Anomaly 'K' strikes west northwest between 0 North on Line 1400 East and

LINE	ANOMALY CENTRE	ANOMALY WIDTH (M)	IP (%)	Q (%)	DEPTH (M)	CONDUCTIVITY THICKNESS (MHOS)	COMMENTS
0 E	1240 S	narrow	-3	-8	16	3	
100 E	1260 S	?	-7	-11	29	5	
200 E	1210 S	20	-7	-10	34	7	
300 E	1170 S	20	-9	-16	<16	5	
400 E	1170 S	20	-6	-15	<16	4	
500 E	1170 S	25	-6	-13	<16	5	
600 E	1090 S	15	-2	-11	<16	2	

Table 10: Anomaly 'J' Interpretation, 444 Hz, 160 metre coil separation.

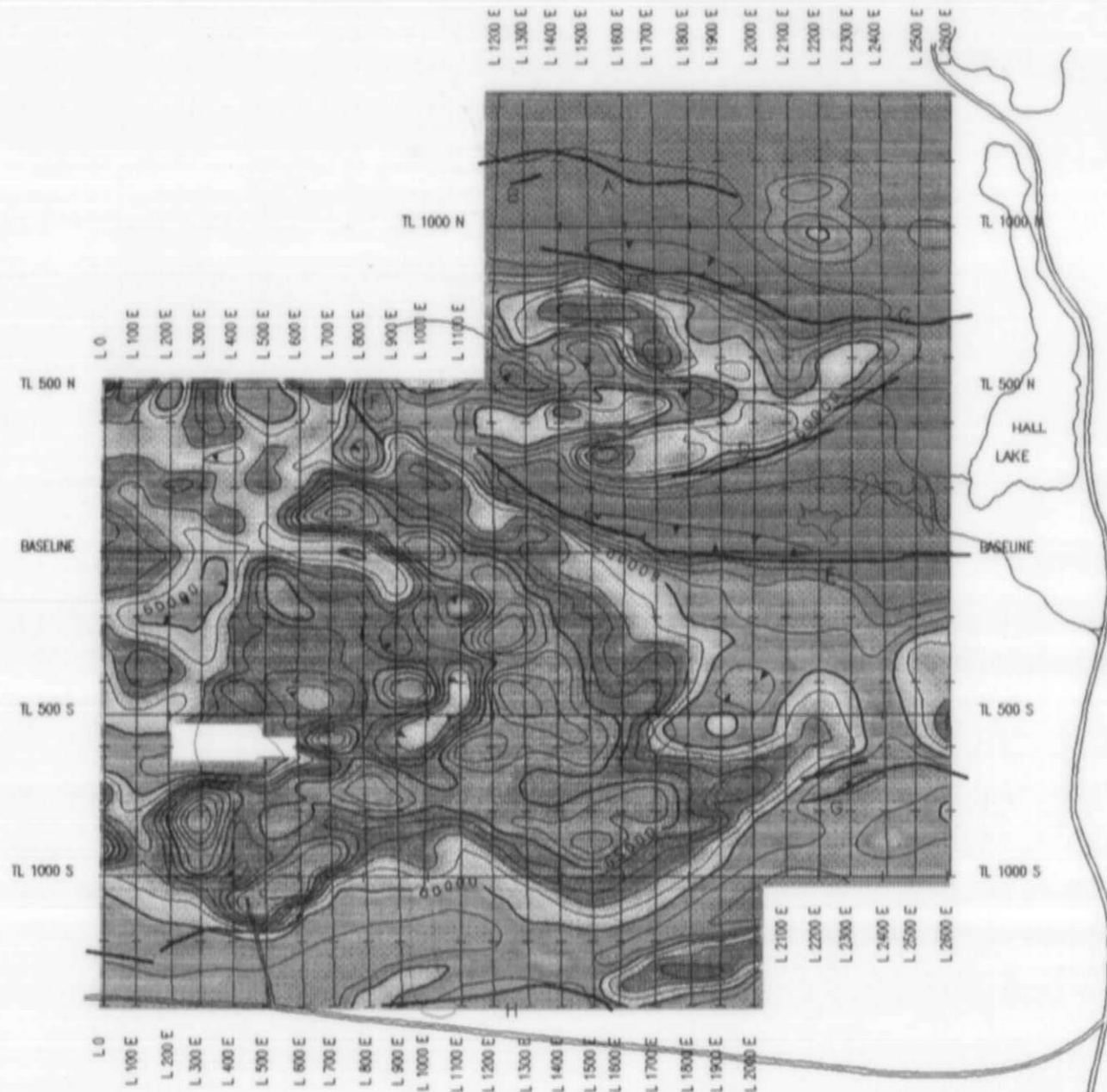
220 North on Line 1000 East. It is a quadrature anomaly in the high frequency results, which indicates very poor conductivity. It does, however, coincide with a high magnetic anomaly.

MAGNETIC RESULTS

The magnetic results are contoured every 500 nT on Map 3 at a scale of 1:5000. A colour image of the results is given in Figure 5 at a scale of 1:20,000; the contour interval on this map is 1000 nT.

Linear high magnetic anomalies on the property map ultramafic flows or sills. The amplitude of these anomalies is up to 10,000 nT above background; the strongest anomaly is centered at 580 South on Line 700 East.

The ultramafics in the center of the property appear to be folded about an axis which strikes west northwest. The strike of the magnetic anomalies on Lines 1200 and 1300 East is north south. Anomalies in the north half of the property



LEGEND

- Instrument : Scintrex IGS-2/MP-4
- Type : Total Field Proton Precession
- Gridded By : Geosoft Bigrid
- Cell Size : 20 metres
- Filter : 2 Pass 9 Point Hanning
- Contour Interval : 1000 nT
- HLEM Anomaly, 444 Hz

Scale : 1:20,000

Figure 5 : Colour Image of Total Magnetic Field

are folded about an east west trending axis at approximately 500 North.

The magnetic pattern in the center of the property is truncated at a structure which strikes north northeast between the north end of Line 800 East and the south end of Line 0 East; the amplitude of anomalies to the west of this feature is lower than the anomalies to the east. Offsets in the EM conductors also suggest the presence of north northeast striking faults.

The circular anomalies between 900 and 1200 North on Lines 2100 and 2200 East are likely due to an intrusive.

Oct. 14/94
DATE

D. Londry
D. LONDY
TIMMINS GEOPHYSICS LTD.

REFERENCES

BRIGHT, E.G. and HUNT, D.S.

1972: Reaume Township, District of Cochrane; Ontario Geological Survey
Prelim. Map p.767, Timmins Data Series. Scale 1:15840 or 1 inch
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GIBSON, T.W.

1914: Statistical Review of the Mineral Industry of Ontario for 1913,
Ontario Bureau of Mines, Vol XXIII, Part 1, 1914.

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1980: Reaume Township, District of Cochrane; Ontario Geological Survey
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1 inch to 1/4 mile. Data compiled 1979.

PYKE, D.R., AYRES, L.D. and INNES, D.G.

1973: Timmins-Kirkland Lake Sheet, Districts of Cochrane, Sudbury and
Timiskaming; Ontario Div. Mines, Map 2205, Geol. Comp. Ser., Scale
1 inch to 4 miles.



Personal information collected on this form is obtained under the authority of the collection should be directed to the Provincial Manager, Mining Lands, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.



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- Instructions: - Please type or print and submit in duplicate - Refer to the Mining Act and Regulations for Recorder. - A separate copy of this form must be completed for each Work Group. - Technical reports and maps must accompany this form in duplicate. - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) FALCONBRIDGE LIMITED
Address P.O. Box 1140, 571 Moneta Ave. Timmins, Ont P4N 7H4
Mining Division PORCUPINE Township/Area REAME
Dates Work Performed From: JUNE 30, 1994 To: DECEMBER 30, 1994
Client No. 130 679 Telephone No. (705) 267-1183 M or G Plan No.

Work Performed (Check One Work Group Only)

Table with 2 columns: Work Group, Type. Row 1: Geotechnical Survey, LINCUTTING, GEOPHYSICS, (MAG. HELM)

Total Assessment Work Claimed on the Attached Statement of Costs \$ 30,750

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Table with 2 columns: Name, Address. Row 1: DAVE LONDON, TIMMINS GEOPHYSICS, 571 LONCH'S ROAD, SUDBURY, ONTARIO P3E 2R3. Row 2: EXSIS EXPLORATION, (LINCUTTING) P.O. Box 1880, TIMMINS, ONT. P4N 7X1

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder. Date OCT 21, 1994 Recorded Holder or Agent (Signature) Dave McL

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true. Name and Address of Person Certifying DAVE MCLAUCHLIN, 169 SASKATON ST N, TIMMINS, ONT P4N 6G8 Telephone No. (705) 267-8105 Date OCT 21, 1994 Certified By (Signature) Dave McL

For Office Use Only

Total Value Cr. Recorded \$30,750 Date Recorded Mining Recorder Dave White Date Approved JAN. 19, 1995 RECEIVED OCT 21 1994



Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des mines

Statement of Costs
for Assessment Credit

État des coûts aux fins
du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction

W9460.00214

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type Linecutting	18,550	
	Geop Hysico	12,200	
			30,750
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			30,750

2. Indirect Costs/Coûts indirects

Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excedant pas 20 % des coûts directs)			
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)			
Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

- Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
x 0.50 =	

Remises pour dépôt

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
x 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

That as ROBERT SPOWIST I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature	Date
	21 21, 1994

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Geoscience Approvals Section
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

January 3, 1995

Our File: 2.15754
Transaction #: W9460.00214

Mining Recorder
Ministry of Northern
Development & Mines
60 Wilson Avenue
1st floor
Timmins, Ontario
P4N 2S7

Dear Sir/Madam:

**Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS
P1189969 et al. IN REAUME TOWNSHIP**

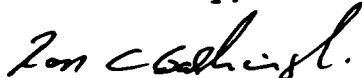
Assessment work credits have been approved as outlined on the report of work form for the submission. The credits have been approved under Section 14 (Geophysical) of the Mining Act Regulations.

The approval date is December 20, 1994.

If you have any questions regarding this correspondence, please contact Steven Beneteau at (705) 670-5855.

ORIGINAL SIGNED BY:

Yours sincerely,



Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

lbb SBB/dl

cc: Resident Geologist
Porcupine, Ontario

Assessment Files Library ✓
Sudbury, Ontario

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

Subdivision of this township into lots and concessions was annulled July 9, 1962.

SAND AND GRAVEL

- ① GRAVEL RESERVE FILE: 144670 EXPIRED NOTICE RECEIVED 93-JAN-06
- ② GRAVEL RESERVE FILE: 144665
- ③ GRAVEL RESERVE FILE: 173975
- ④ QUARRY PERMIT

* PROPOSED SILVICULTURE PLANTING CAMPS RECEIVED JANUARY 12, 1989

① THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1992/93. FURTHER INFORMATION AVAILABLE ON FILE.

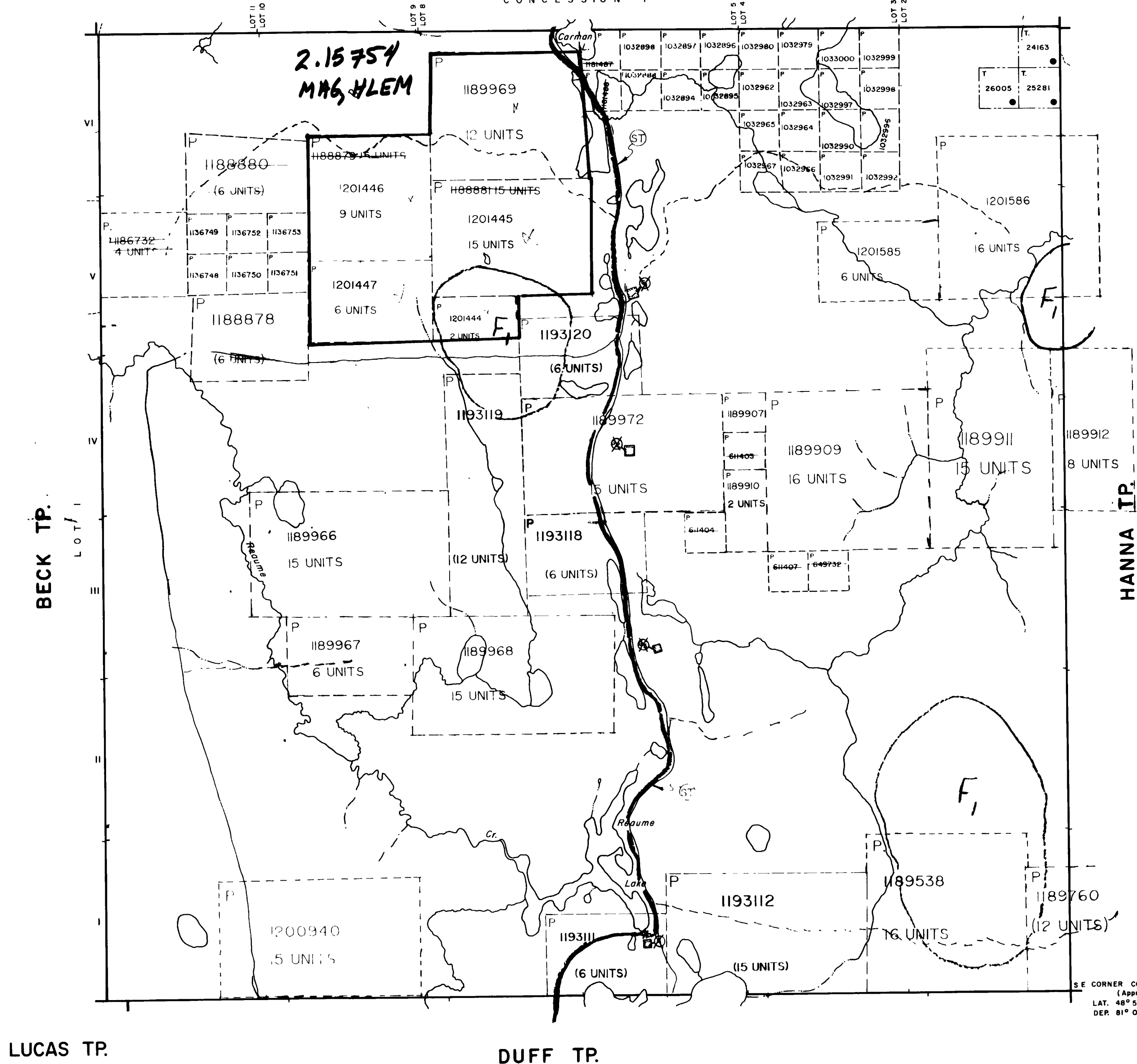
⑤ SNOWMOBILE TRAIL NOTICE RECEIVED 92-DEC-09

② THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1993/94. FURTHER INFORMATION ON FILE.

③ THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1993/94. (CHEM. SPRAY, JULY 22, 1993)

FOURNIER TP.

CONCESSION I



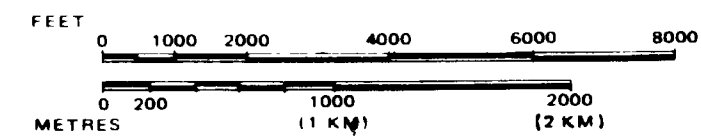
LEGEND

- 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	⊙
CANCELLED	⊗
SAND & GRAVEL	⊕

SCALE: 1 INCH = 40 CHAINS



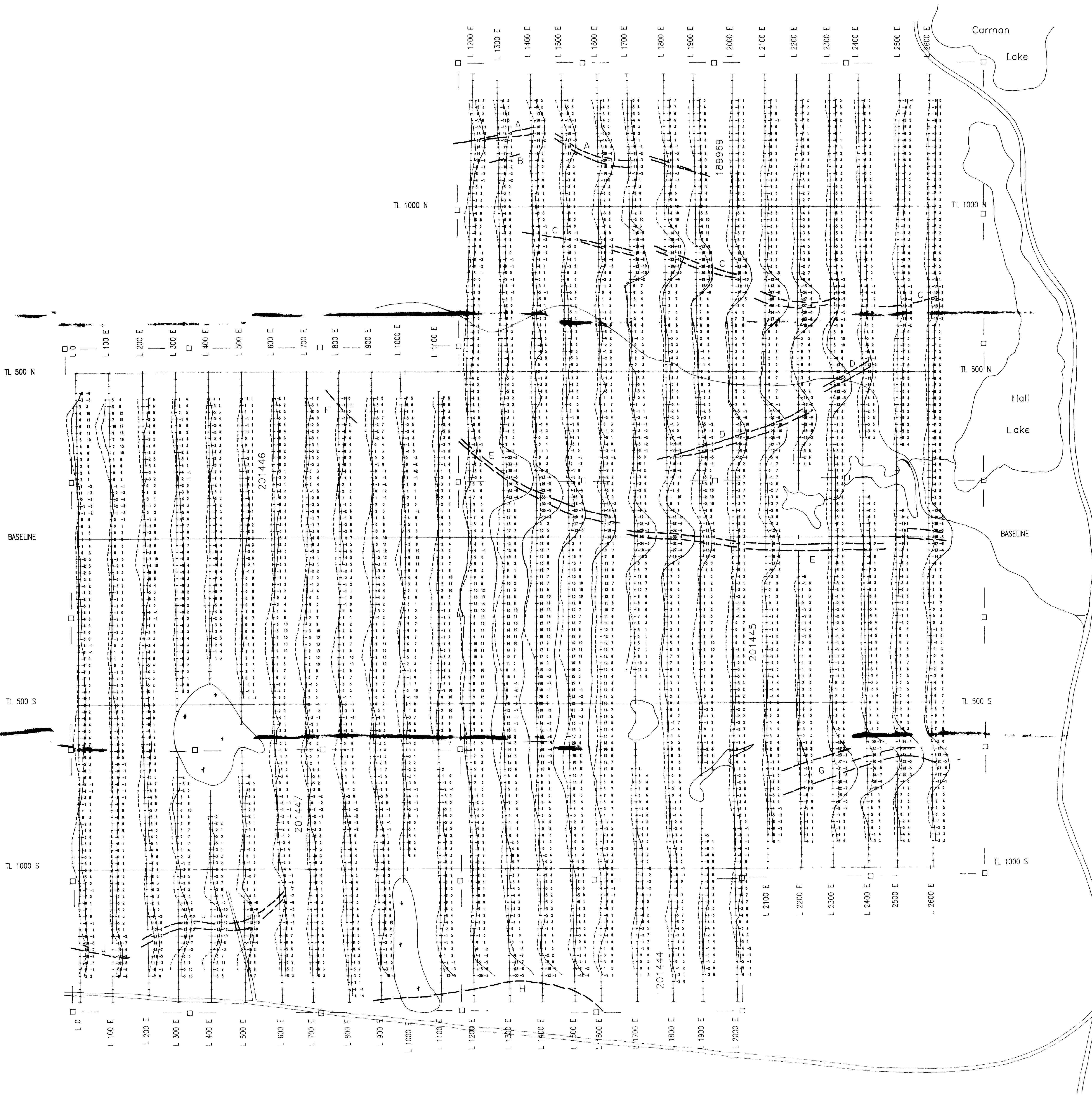
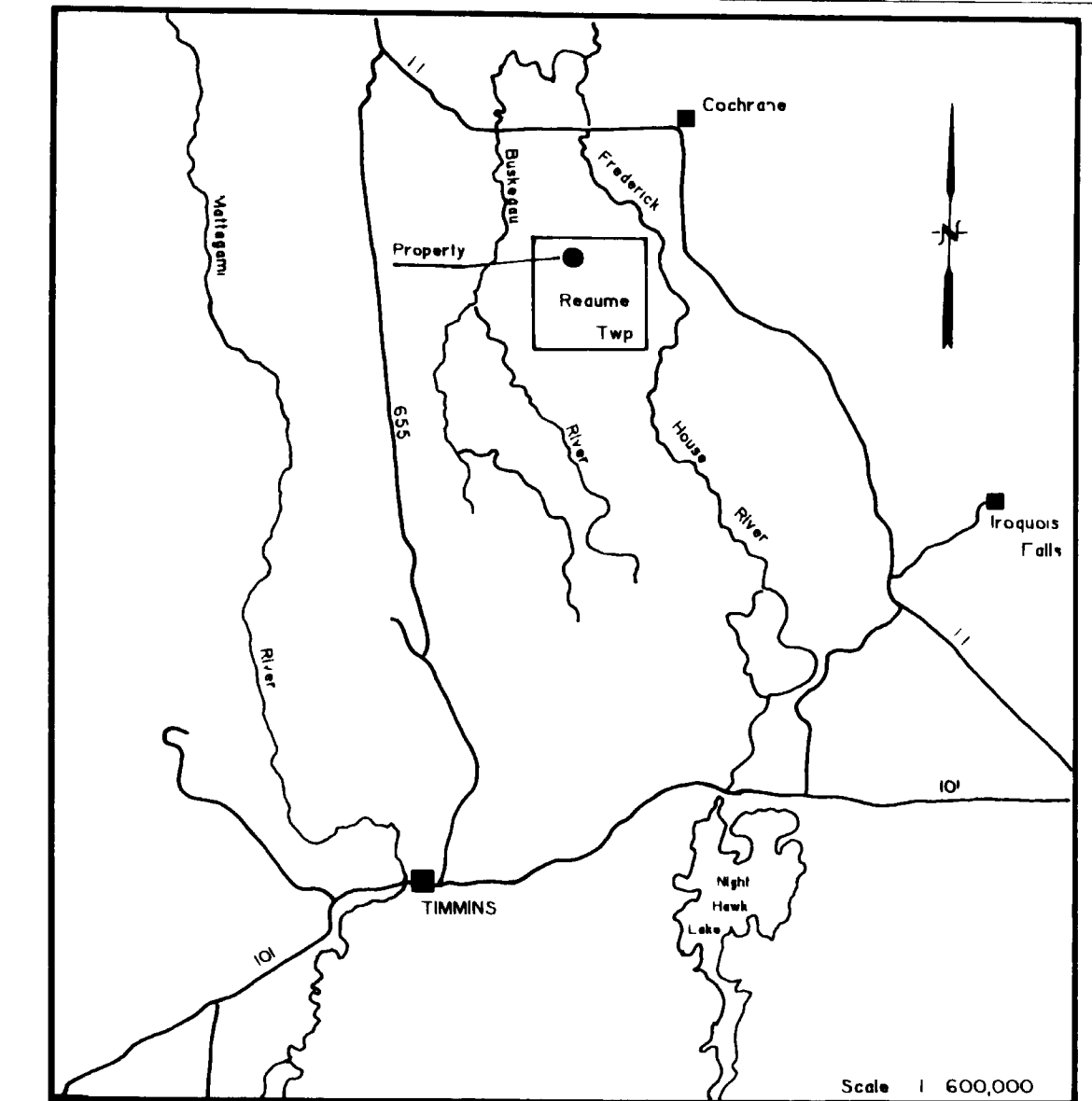
TOWNSHIP
REAUME

M.N.R. ADMINISTRATIVE DISTRICT
COCHRANE
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE

Ministry of Natural Resources Ontario
Ministry of Northern Development and Mines

Date: OCT 1975
Number: G-3560
ACTIVATED JULY 20, 1992 BY DC
CHECKED BY G.W.



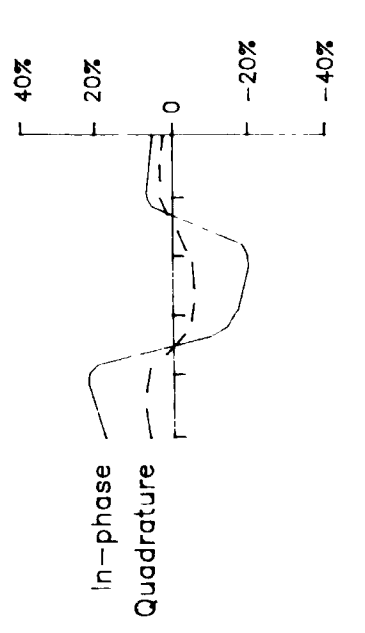


CLAIM POSTS

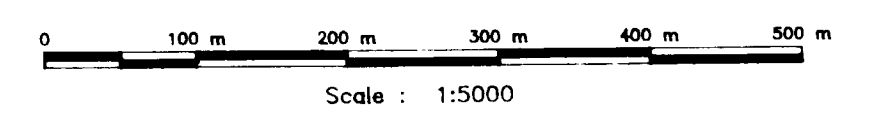
- Located
- Unlocated

LEGEND

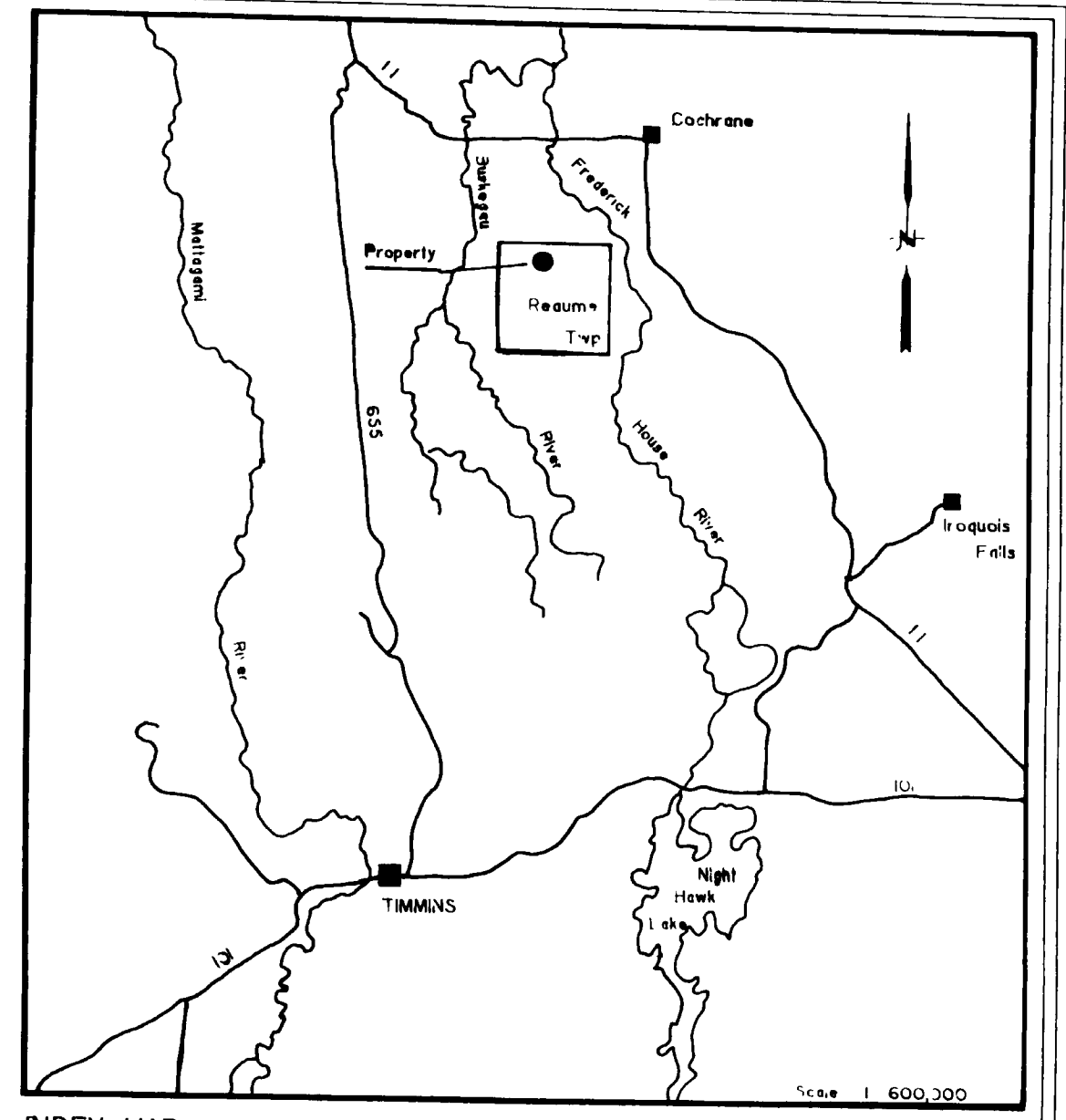
INSTRUMENT : Apex Parametrics Max Min 1-5
 COIL SEPARATION : 160 metres
 FREQUENCY : 444 Hz
 PROFILE SCALE : 1cm = 20%



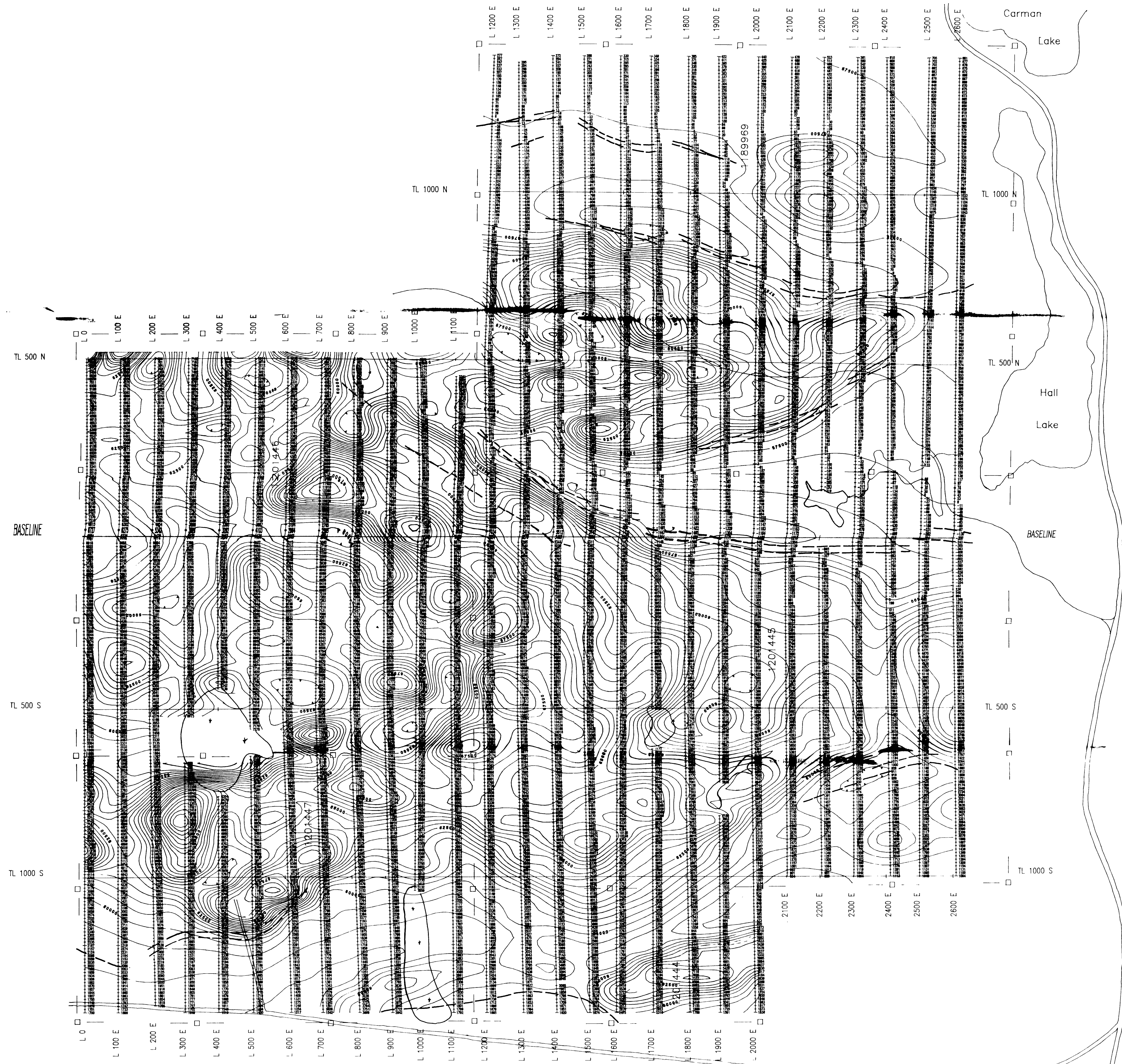
2.15754



FALCONBRIDGE LIMITED	
HLEM SURVEY	
REAU-MANNA PROJECT	
REAU TOWNSHIP	
NTS: 42 A/14	PROJ #: 8232
FILE: REAU.HL	DATE: August 1999
WORK BY: Timmins Geophysics Ltd.	



INDEX MAP



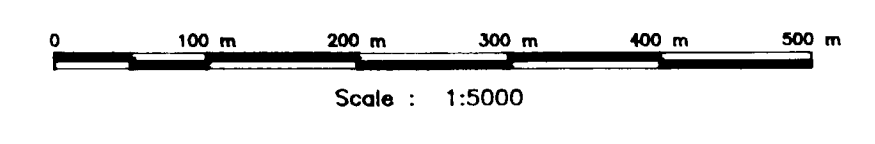
CLAIM POSTS
 ■ Located
 □ Unlocated

--- HLEM Anomaly, 444 Hz

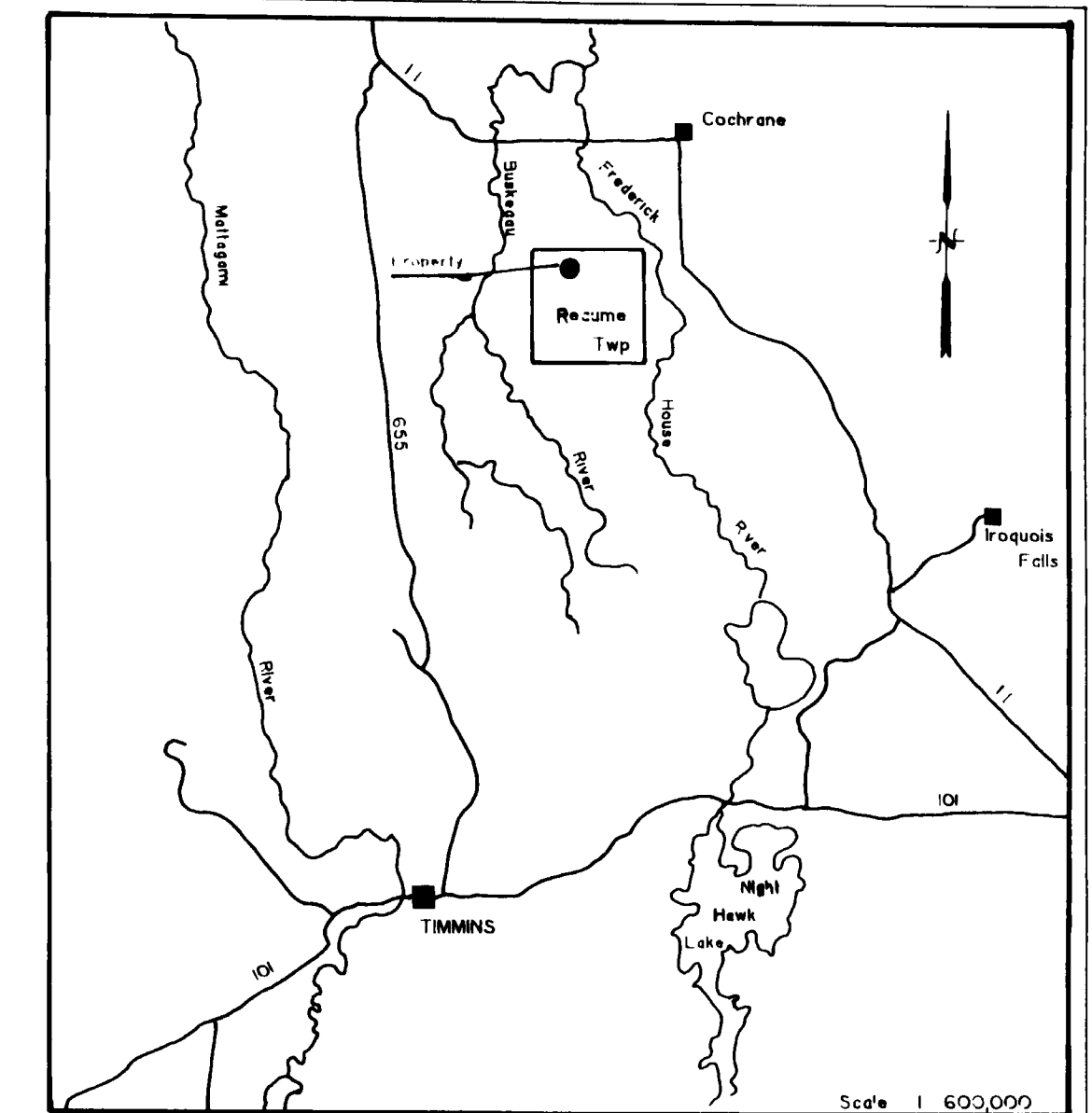
LEGEND

Instrument 1 Scintrex ICS-2/MP-4
 Type : Total Field Proton Precession
 Datum Level : 57000 nT
 Contour Interval : 500 nT
 Gridded By : Geosoft Bigrid
 Cell Size : 20 metres
 Filters : 2 Passes 9 Point Hanning

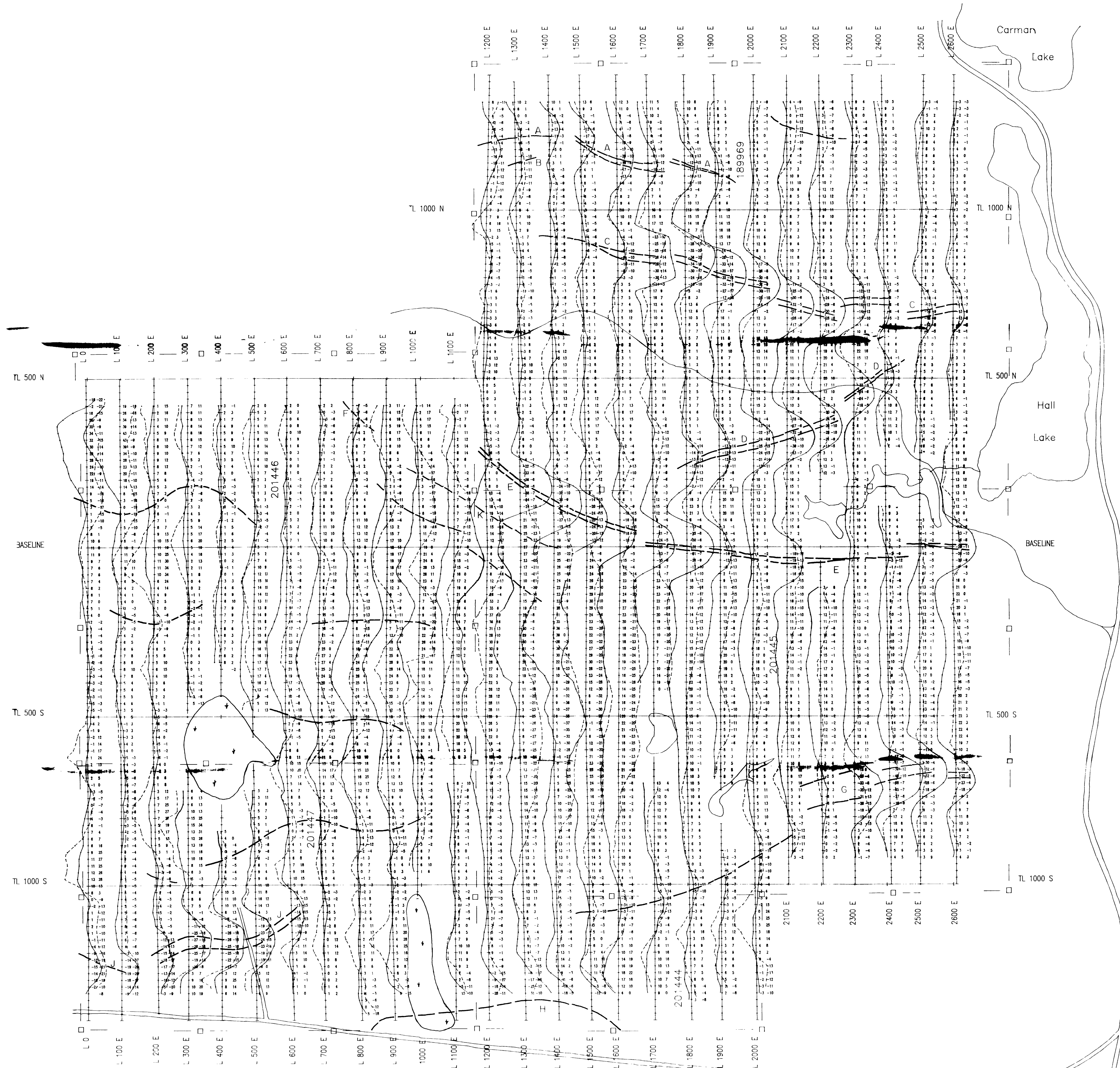
2.15 4



FALCONBRIDGE LIMITED	
MAGNETIC SURVEY	
REAUME-HANNA PROJECT	
REAUME TOWNSHIP	
NTS: 42 A/14	PROJ #: 8232
FILE : REAU.MAG	DATE : August, 1994
WORK BY : Timmins Geophysics Ltd.	



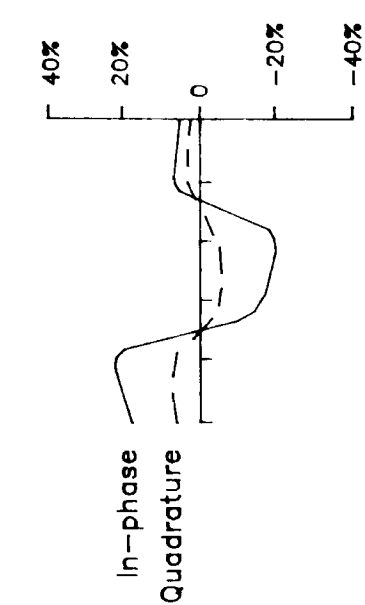
INDEX MAP



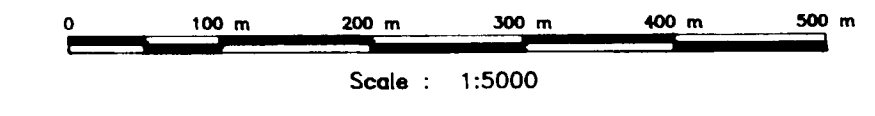
CLAIM POSTS
 ■ Located
 □ Unlocated

EGEND

INSTRUMENT : Apex Parametrics Max Min 1-5
 COIL SEPARATION : 160 metres
 FREQUENCY : 1777 Hz
 PROFILE SCALE : 1cm = 20%



2.1575



FALCONBRIDGE LIMITED
 HLEM SURVEY
 REAUME-HANNA PROJECT
 REAUME TOWNSHIP
 VTS: 42 A/14 PROJ #: 8232
 FILE : REAU.HL DATE : August, 1994
 WORK BY : Timmins Geophysics Ltd. *[Signature]*