

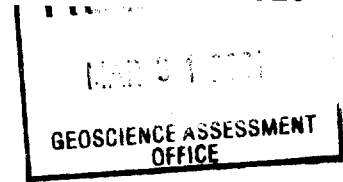


42A11SW2029

2.20936

GODFREY

010



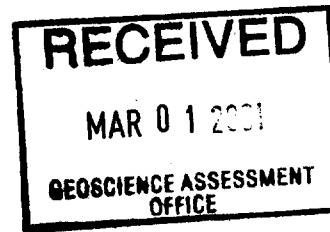
REPORT ON  
GEOPHYSICAL WORK

**GODFREY 45**  
GODFREY TOWNSHIP

NTS: 42-A/5

PROJ # 8034

FOR  
FALCONBRIDGE LIMITED



**2. 20936**

FEBRUARY 2001

D. LONDRY  
TIMMINS GEOPHYSICS LTD

## **SUMMARY AND RECOMMENDATIONS**

Magnetic and HLEM surveys were carried out over the Godfrey 36 and 45 properties for Falconbridge Limited in December 2000 and February 2001.

The magnetic survey mapped a north-south striking diabase dike and the HLEM survey detected five conductors.

It is recommended that grid lines are cut and surveyed at 600 and 700 North on the Godfrey 45 grid to better define EM anomalies 'C' and 'D'. It is also recommended that anomaly 'C', on the Godfrey 45 grid and anomaly 'E', on the Godfrey 36 grid are tested by diamond drilling.



42A11SW2029

2.20936

GODFREY

010C

iii

**TABLE OF CONTENTS**

	page
Summary and Recommendations .....	i
Introduction .....	1
General Geology .....	1
Previous Work .....	3
Survey Descriptions .....	5
Magnetic Results .....	6
HLEM Results .....	8
References .....	13
APPENDIX A	

### LIST OF FIGURES

	page
1.(a) Location Map .....	2
(b) Claim Map .....	2
2. Previous Work, 1960's, 1970's .....	4
3. Previous Work, 1960's, 1970's .....	5
4. Total Magnetic Field.....	7
5. HLEM Results, 120/160 metre Coil Separation, 444 Hertz .....	9

### LIST OF TABLES

	page
1. Summary of Previous Work .....	4
2. Anomaly 'A' Interpretation .....	8
3. Anomaly 'B' Interpretation .....	10
4. Anomaly 'C' Interpretation .....	11
5. Anomaly 'D' Interpretation .....	11
6. Anomaly 'E' Interpretation .....	12

### LIST OF MAPS

1. Magnetic Results (BACK POCKET)
2. HLEM Results, 120/160 m Coil Separation, 444 Hz (BACK POCKET)
3. HLEM Results, 120/160 m Coil Separation, 1777 Hz (BACK POCKET)
4. HLEM Results, 200 m Coil Separation, 444 Hz (BACK POCKET)
5. HLEM Results, 200 m Coil Separation, 1777 Hz (BACK POCKET)

## **INTRODUCTION**

Magnetic and horizontal loop electromagnetic (HLEM) surveys were carried out on the Godfrey 36 and Godfrey 45 properties for Falconbridge Limited. The north half of the Godfrey 45 grid was surveyed in December 2000 and the Godfrey 36 grid and south half of the Godfrey 45 grid were surveyed in February 2001.

The grids are located approximately 12 kilometres west of the city of Timmins (Figure 1(a)) in the east central portion of Godfrey Township, Porcupine Mining Division. Highway 576 runs along the southwest edge of the Godfrey 36 grid and through the middle of the Godfrey 45 grid.

The grids cover parts of a number of patented and unpatented claims in Lots 2, 3 and 4, Concessions II, III and IV (Figure 1(b)). A description of these claims is given in Appendix A.

The magnetic survey was run by the author of this report and the HLEM survey was carried out by R. Daigle and M. Chouinard.

## **GENERAL GEOLOGY**

Godfrey Township is located near the west end of the Abitibi greenstone belt which consists of predominantly east-west striking, steeply dipping Archean sediments and ultramafic to felsic volcanics. These rocks have been intruded by ultramafic to felsic bodies, north-south striking Matachewan diabase dikes and east northeast striking Keweenawan diabase dikes.

The geology of Godfrey Township is presented on map 2205 at a scale of 1 inch to 4 miles (Pyke, 1973) and on map P3379 at a scale of 1:100,000 (Ayer et al, 1998).

Previous drilling in the vicinity of the Godfrey 36 and Godfrey 45 grids suggest that the area is underlain by east-west striking felsic to mafic volcanics. All of the rocks have been intruded by north northwest striking diabase dikes.

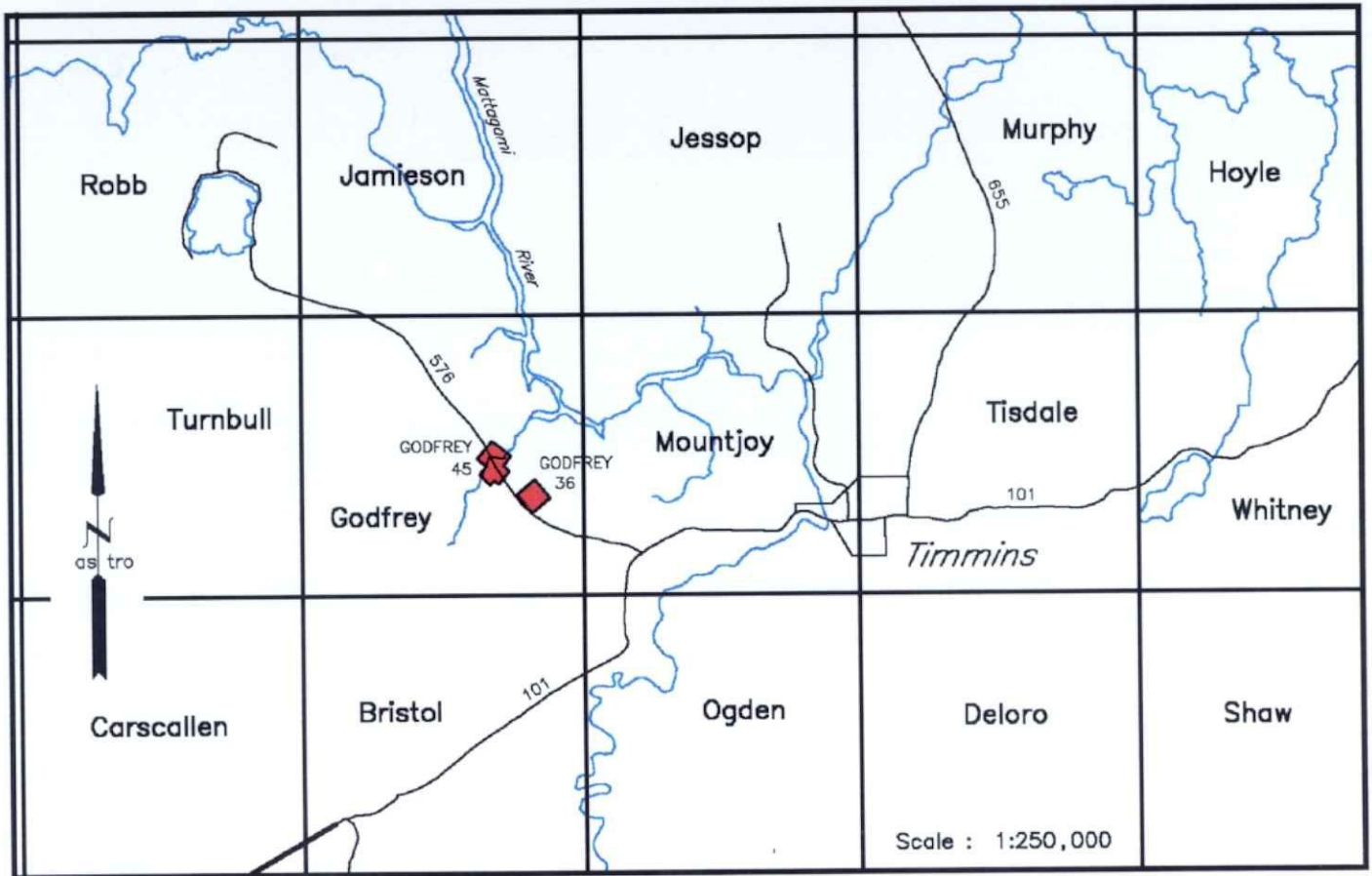


Figure 1(a) : Location Map

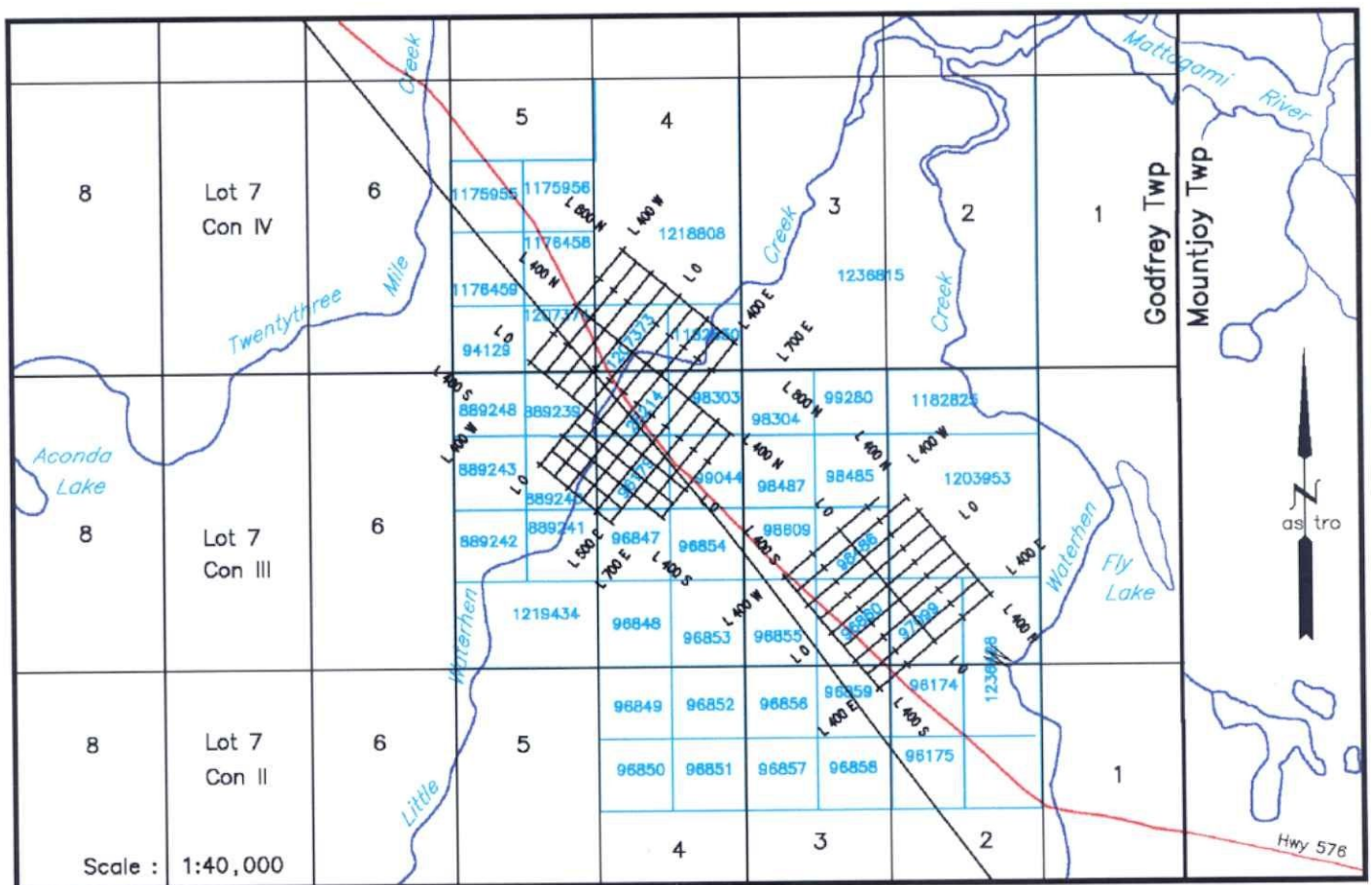


Figure 1(b) : Claim Map

## PREVIOUS WORK

The following is a description of previous exploration work carried out in the vicinity of the Godfrey 36 and Godfrey 45 grids (Table 1).

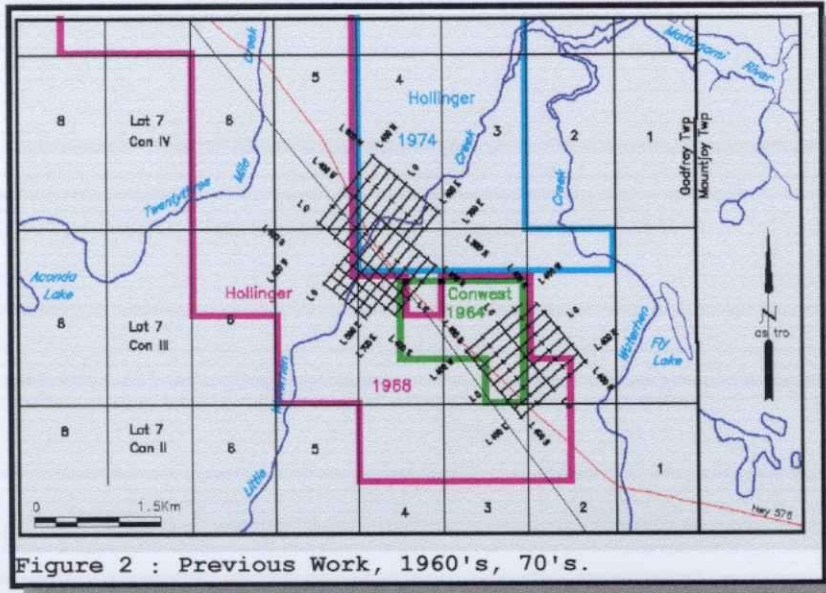
In 1964, **Conwest Exploration Company Limited** ran magnetic and Turam surveys over seven claims which were centered between the two present grids (Figure 2). The surveys were run on east-west grid lines spaced every 300 feet. The magnetic survey was run with a vertical component, torsion wire magnetometer. No conductors were detected in the EM survey.

YEAR	COMPANY	GEOPHYSICS	DRILL HOLES	AFRI FILE
1964	Conwest Exploration Company Ltd	Mag, Turam		42A11SW0352
1968 1973 1974 1974	Hollinger Mines Limited	Mag, VLF, Geol Mag, Turam	G2-3-68 to 38-73 GO4-1-74	42A12SE0426 42A06NW0104 42A11SW0350 42A06NW0500
1992	M. Juby	Mag, VLF		42A12SE0027
1995 1995 1996 1997 1997	Moneta Porcupine Mines Inc.	Mag, VLF Mag, HLEM IP Mag	G-95-11	42A11SW0134 42A12SE0005 42A06NW0048 42A06NE0046 42A06NE0047

**Table 1.** Summary of previous assessment work.

In 1968, **Hollinger Mines Limited** carried out geological, magnetic and VLF surveys over a block of 81 claims which straddled Highway 576 from Concession III to Concession VI. The surveys were conducted on lines spaced every 400 feet on two separate grids oriented at 50° Az. and 15° Az. The magnetic survey was run with a torsion wire magnetometer. In 1968 to 1973, at least 38 holes were drilled, many of them in the vicinity of the present survey area (see Figure 4).

In 1974, **Hollinger Mines Limited** carried out magnetic and Turam surveys over 54 claims located between the Mattagami River and Highway 576 in Concessions IV to VI. These surveys were conducted on



two grids oriented in the same direction as the 1968 grids. The magnetic survey was also run with a torsion wire magnetometer. One hole, GO-1-74, was submitted for assessment credits.

In 1992, **M. Juby** carried out magnetic and VLF-EM surveys over a block of six claims in Lot 5, directly to the north of the present Godfrey 45 grid (Figure

3). The grid on these claims consisted of east-west lines spaced every 200 feet. The magnetic survey was conducted with a total field, proton precession magnetometer and Annapolis, Maryland (21.4 kHz) was used as the transmitter station in the VLF survey.

In 1995, **Porcupine Moneta Mines Inc** conducted magnetic and VLF-EM surveys over a claim block which covered the northeast edge of the present Godfrey 45 survey area. The surveys were run on east-west grid lines spaced every 100 metres. The magnetic readings were taken with a proton precession magnetometer. One drill hole, G-95-11, was filed for assessment credits.

In 1996, **Porcupine Moneta Mines Inc** ran magnetic and HLEM surveys over 2 claim units, directly to the southeast of the present Godfrey 36 survey area. The survey was run on north-south lines spaced every 100 metres. The magnetic survey was run with a proton precession magnetometer and the HLEM survey was run with a coil separation of 150 metres at frequencies of 444 and 1777 Hz.

In 1996, **Porcupine Moneta Mines Inc** also carried out magnetic and induced polarization surveys over a block of 26 claim units which covered the southeast corner of the present Godfrey 45 grid and the west half of the Godfrey 36 grid. The surveys were run on grid lines spaced every 200 metres (100 metres in detail



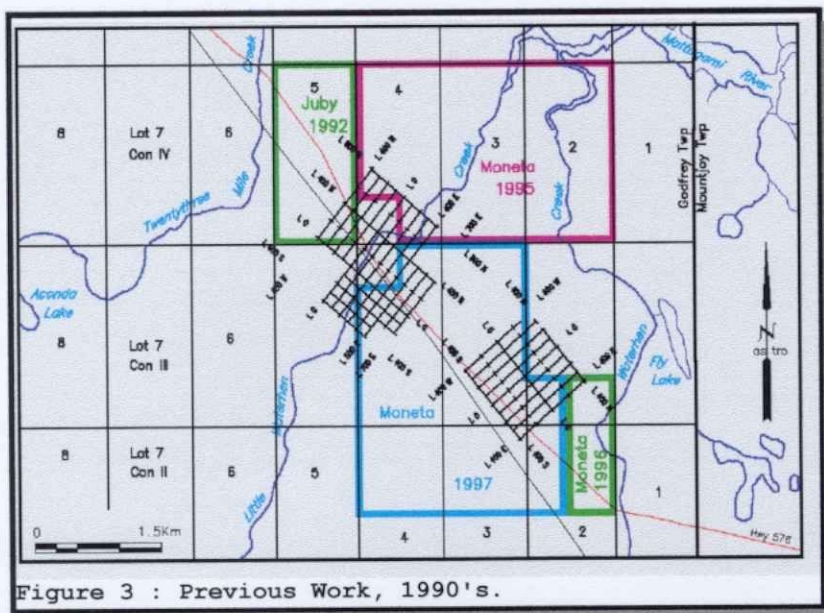


Figure 3 : Previous Work, 1990's.

areas) and oriented

52° Az. The magnetic survey was run with a proton precession magnetometer and IP survey was run using a gradient array.

A number of companies have flown airborne surveys in the Godfrey area. In 1987, the **Ontario Geological Survey** carried out a combined airborne

magnetic and EM survey in the Timmins area which included Godfrey (OGS, 1988). This survey was flown along north-south lines spaced approximately every 200 metres.

## SURVEY DESCRIPTIONS

The grid on the Godfrey 36 property consists of lines spaced every 100 metres and oriented at 50° Az. The lines were cut from a central base line designated 0 North and tie lines were established at the end of the lines, at 400 north and 400 South (Figure 1(b)). The grid on the Godfrey 45 property consists of lines spaced every 100 metres and oriented at 40° Az. Cross lines were cut every 100 metres in the south portion of the area and every 400 metres to the north. All of the lines, on both grids, were picketed every 20 metres.

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, located off the grid at 10200 East, 10360 North; the base station value to which all of the readings were levelled is 59237 nT. A total of 938 readings were taken along 9.3 kilometres of line on the Godfrey 36 grid

and 1663 readings were taken along 16.6 kilometres of line on the Godfrey 45 grid.

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 half of the coil separation. Readings were taken every 20 metres using coil separations of 120, 160 and 200 metres at frequencies of 444 and 1777 Hertz. A total of 320 stations along 8 kilometres of line were read using a coil separation of 160 metres on the Godfrey 36 grid. On the Godfrey 45 grid, 605 stations along 13.66 kilometres of line were read using a coil separation of 120 metres and 193 stations on 5.7 kilometres of line were read with a coil separation of 200 metres..

## **MAGNETIC RESULTS**

The magnetic results are contoured every 20 nT on map 1 at a scale of 1:5000. They are also presented in Figure 4 at a scale of 1:15,000.

A high amplitude magnetic anomaly which strikes north-south to north northwest through the middle of the Godfrey 45 grid is most likely a diabase dike. This anomaly is interrupted at a linear, west northwest striking magnetic low anomaly in the north half of the property, which may represent an alteration or fault zone. Incomplete magnetic high anomalies along the east and west edges of the Godfrey 45 grid also appear to reflect diabase dikes.

A linear magnetic high anomaly strikes east-west through the south half of the Godfrey 45 grid. The source of this anomaly is likely pyrrhotite mineralization. The fact that the central diabase dike changes strike slightly, on either side of this feature, suggests that the source may be located at a geological contact.

The Godfrey 36 grid can be divided into two magnetic domains, separated by a northwest line, coincident with the 59250 nT contour between 0 North on Line 400 East and 200 North on Line 400 West. The domain to the west has a higher magnetic background than the domain to the east. Two high magnetic anomalies within the west domain trend east-west, but do not continue into the east domain, suggesting the boundary is a fault.

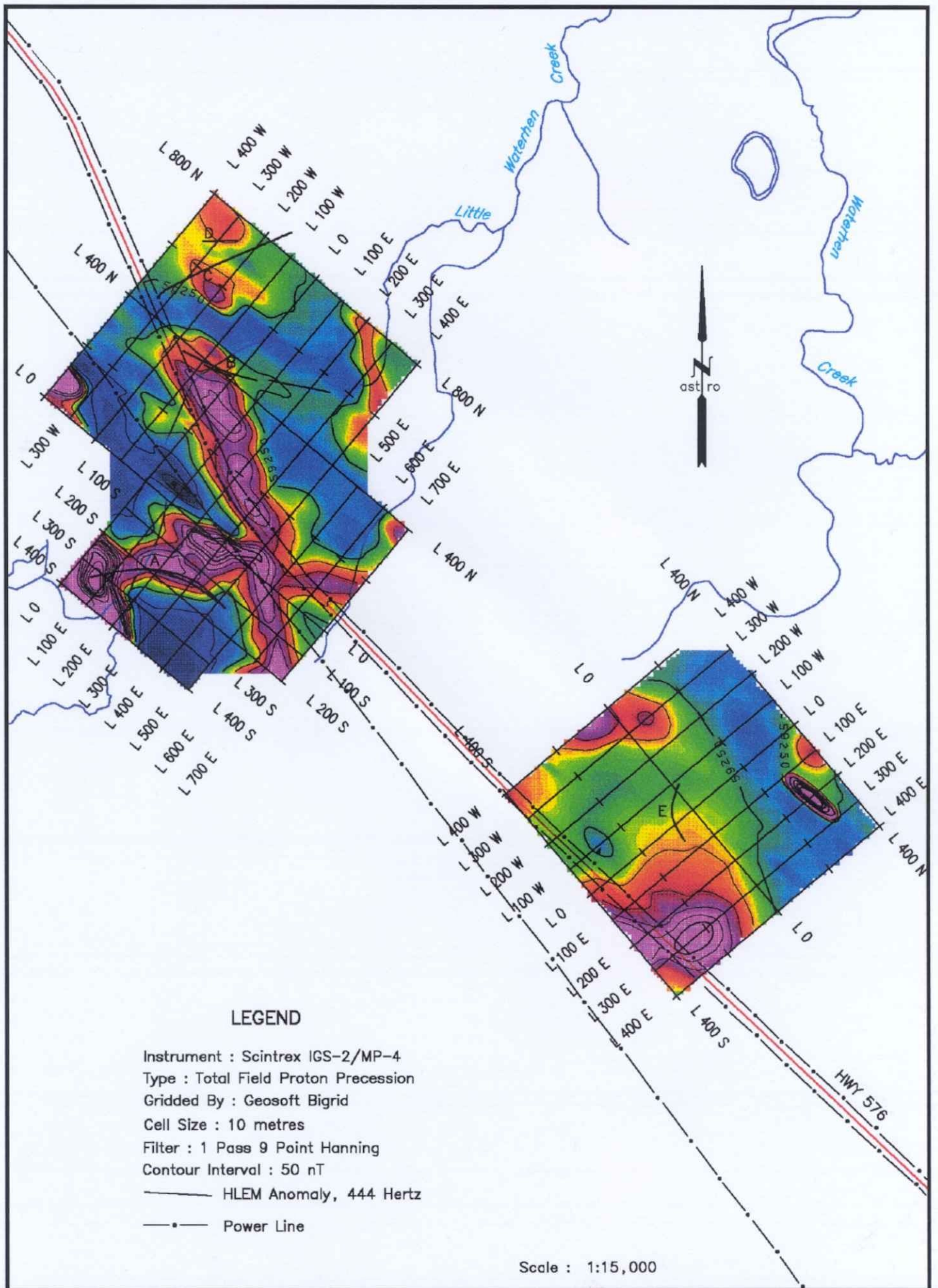


Figure 4 : Total Magnetic Field, Godfrey 36/45

The very high, local magnetic anomaly at 300 North on Line 200 East is a metallic object on surface, possibly an old drill collar; this should be checked in the summer.

## HLEM RESULTS

The results of the HLEM survey are profiled on maps 2, 3 and 4 at a scale of 1:5000; the profile scale used is 1 cm = 20 % for both frequencies. The 444 Hertz results are also presented in Figure 5 at a scale of 1:10,000.

**Anomaly 'A'** strikes approximately east-west between 280 South on Line 100 East and 140 South on Line 400 East. The source of the anomaly on Line 200 East is a narrow zone of good conductivity at a depth of 24 metres (Table 3); the dip is very steep to the north. The conductivity decreases to the east and west

This anomaly was the target of a number of holes which were drilled by Hollinger in 1968 to 1970. Holes G2-5-68 and G2-15-69 intersected graphitic tuff with pyrite and pyrrhotite mineralization. There are no

LINE	ANOMALY CENTER	ANOMALY WIDTH (m)	IP (%)	Q (%)	DEPTH (m)	CONDUCTIVITY THICKNESS (mhos)	COMMENTS
300 S	80 E	?	0	-4	?	?	
100 E	280 S	narrow	0	-3	?	?	
200 S	180 E	narrow	-8	-14	12	7	
200 E	180 S	narrow	-16	-14	24	20	
300 E	145 S	10	-3	-11	<12	4	
400 E	140 S	narrow	0	-2	?	?	

**Table 2:** Anomaly 'A' Interpretation, 444 Hz, 120 metre coil separation.

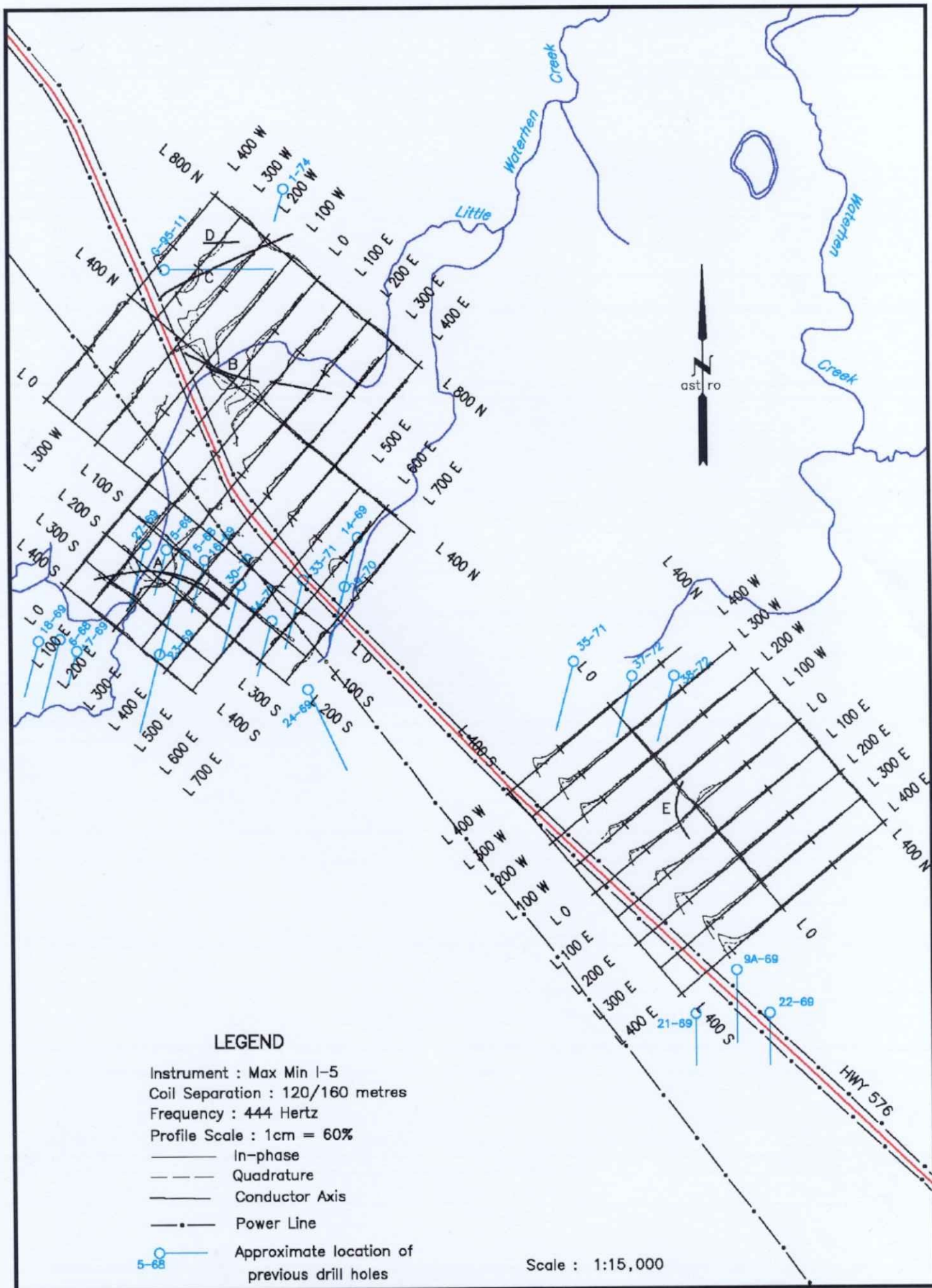


Figure 5 : HLEM Results, Godfrey 36/45

obvious conductors in the logs for holes G2-16-69, G2-27-69 and G2-30-70, however, there may be conductivity associated disseminated pyrite/pyrrhotite in these holes. Minor chalcopyrite and spalerite were noted in most of the holes.

**Anomaly 'B'** strikes east-west on the Godfrey 45 grid between 420 North on Line 0 West and 390 North on Line 100 West. The source of the anomaly is good conductivity at a depth of 26 metres on Line 0 and 19 metres on Line 100 West (Table 3). The anomaly is only partially defined because of interference from the power line along the east side of Highway 576. The width and dip of the source can not be determined accurately, however the profile on Line 0 suggests a width of greater than 20 metres. The profiles, from both cable lengths, also suggest the presence of more than one conductor. A very low amplitude anomaly between 480 North on Line 100 East and 540 North on Line 200 East may represent the east extension of conductor 'B'.

LINE	ANOMALY CENTER	ANOMALY WIDTH (m)	IP (%)	Q (%)	DEPTH (m)	CONDUCTIVITY THICKNESS (mhos)	COMMENTS
100 W	390 N	?	-12	-15	19	12	
400 N	30 W	?	?	?	?	?	
0 S	420 N	?	-24	-11	26	66	
100 E	480 N	?	?	?	?	?	
200 E	540 N	?	?	?	?	?	

**Table 3:** Anomaly 'B' Interpretation, 444 Hz, 120 metre coil separation.

**Anomalies 'C'** and **'D'** are located in the northwest corner of the Godfrey 45 grid on Line 300 West. The source of anomaly 'C' is very good conductivity at a depth of 49 metres (Table 4) and the source of

anomaly 'D' is poor conductivity at a depth of less than 12 metres (Table 5). Either of these anomalies can be joined to an anomaly centered at 180 West on Tie Line 800 North, although the slightly higher background along Line 200 West suggests that this anomaly is part of 'C'. The source of the anomaly on the tie line is a narrow zone of fair conductivity at a depth of 32 metres (Table 5); the dip is to the south. Surveys along Lines at 600 and 700 North would help determine the true orientation of these conductors.

LINE	ANOMALY CENTER	ANOMALY WIDTH (m)	IP (%)	Q (%)	DEPTH (m)	CONDUCTIVITY THICKNESS (mhos)	COMMENTS
300 W	540 N	?	-12	-5	49	78	
200 W	750 N	?	?	?	?	?	
800 N	180 W	narrow	-5	-7	32	8	

**Table 4:** Anomaly 'C' Interpretation, 444 Hz, 120 metre coil separation.

Two diamond drill holes have been previously sunk in this area. Hole G-95-11, drilled by Moneta in 1995, intersected graphite within a shear/fault zone in mafic volcanics. Hole GO4-1-74, drilled by Hollinger in 1974, intersected a narrow graphitic zone in andesite tuffs. An attempt should be made to locate these holes relative to the present grid.

LINE	ANOMALY CENTER	ANOMALY WIDTH (m)	IP (%)	Q (%)	DEPTH (m)	CONDUCTIVITY THICKNESS (mhos)	COMMENTS
300 W	750 N	?	-1	-5	<12	2	

**Table 5:** Anomaly 'D' Interpretation, 444 Hz, 120 metre coil separation.

**Anomaly 'E'** is located on Lines 0 North and 0 East on the Godfrey 36 grid. This anomaly represents a narrow zone of poor conductivity at a depth of 24 metres (Table 6).

It likely has the same source as IP anomaly 'C', which was outlined in the 1997 Moneta survey.

LINE	ANOMALY CENTER	ANOMALY WIDTH (m)	IP (%)	Q (%)	DEPTH (m)	CONDUCTIVITY THICKNESS (mhos)	COMMENTS
0 N	80 W	narrow	-2	-4	24	5	
0 E	70 S	narrow	-2	-4	24	5	

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

Date

*February 28, 2000*

*D. Lordry*  
D. Lordry  
Timmins Geophysics Limited



## REFERENCES

**Ayer, J.A. and Trowell, N.F.**

1998: Geological Compilation of the Timmins Area, Abitibi Greenstone Belt; Ontario Geological Survey, Preliminary **Map P.3379**, scale 1:100,000.

**Ontario Geological Survey**

1988: Airborne Electromagnetic and Total Intensity Survey, Timmins Area, Macdiarmid Township, Districts of Cochrane and Timiskaming Ontario; by Geoterrex Limited, for Ontario Geological Survey. Geophysical/Geochemical Series **Map 81061**. Scale 1:20,000. Survey and compilation from March 1987 to October 1987.

**Pyke, D.R., Ayres, L.D. and Innes, D.**

1973: Timmins-Kirkland Lake Sheet; Ontario Division of Mines, Geological Compilation Series, **Map 2205**, scale 1" = 4 miles.

**APPENDIX A**

CLAIM #	# of UNITS	RECORDING DATE	RECORDED HOLDER	DESCRIPTION	TOWNSHIP
96174	1	leased		NW1/4 N1/2 Lot 2 Con II	Godfrey
96855	1	leased		SW1/4 S1/2 Lot 3 Con III	Godfrey
96859	1	leased		NE1/4 N1/2 Lot 3 Con II	Godfrey
96860	1	leased		SE1/4 S1/2 Lot 3 Con III	Godfrey
97099	1	leased		SW1/4 S1/2 Lot 2 Con III	Godfrey
98609	1	leased		NW1/4 S1/2 Lot 3 Con III	Godfrey
98486		leased		NE1/4 S1/2 Lot 3 Con III	Godfrey
1203953	4	June 30, 1995	Moneta Porcupine Mines	N1/2 of S1/2 Lot 2 Con III S1/2 of N1/2 Lot 2 Con III	Godfrey
1236428	2	Aug 19, 1999	Moneta Porcupine Mines	SE1/4 S1/2 Lot 2 Con III NE1/4 N1/2 Lot 2 Con II	Godfrey

**Table A1: Godfrey 36 Claims**

CLAIM #	# of UNITS	RECORDING DATE	RECORDED HOLDER	DESCRIPTION	TOWNSHIP
28214	1	leased		NW1/4 N1/2 Lot 4 Con III	Godfrey
96179	1	leased		SW1/4 N1/2 Lot 4 Con III	Godfrey
96847	1	leased		NW1/4 S1/2 Lot 4 Con III	Godfrey
98303	1	leased		NE1/4 N1/2 Lot 4 Con III	Godfrey
99044		leased		SE1/4 N1/2 Lot 4 Con III	Godfrey
889239	1	April 02, 1986	Falconbridge Limited	NE1/4 N1/2 Lot 5 Con III	Godfrey
889240	1	April 02, 1986	Falconbridge Limited	SE1/4 N1/2 Lot 5 Con III	Godfrey
1176458	1	Mar 06, 1991	Moneta Porcupine Mines	NE1/4 S1/2 Lot 5 Con IV	Godfrey
1182830	1	Sept 16, 1991	Moneta Porcupine Mines	SE1/4 S1/2 Lot 4 Con IV	Godfrey
1207373	1	April 11, 1996	Moneta Porcupine Mines	SW1/4 S1/2 Lot 4 Con V	Godfrey
1207374	1	April 11, 1996	Moneta Porcupine Mines	SE1/4 S1/2 Lot 5 Con V	Godfrey
1218808	6	May 30, 1996	Moneta Porcupine Mines	N1/2 Lot 4 ConIV N1/2 of S1/2 Lot 4 ConIV	Godfrey

**Table A2: Godfrey 45 Claims**

\* Revised \*



Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Crown Lands

Mining Act, Subsection 69(2), R.S.O. 1990

Transaction Number (Office Use)
W01C0.00042
Assessment File Research Imaging



42A11SW2029 2.20936 GODFREY 900

section 69(2) of the Mining Act. Under section 8 of the Mining Act, this work must correspond with the mining land holder. Questions about this Declaration and Maps, 3rd Floor, 655 Ramsey Lake Road, Sudbury.

2.20936

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

Name <b>FALCONBRIDGE LIMITED</b>	Client Number 130876
Address <b>KIDD CREEK MINESITE HWY 656 NORTH, BOX 1140</b>	Telephone Number (705) 887-1188
<b>TIMMINS ONTARIO, P4N 7H9</b>	Fax Number (705) 267-8874
Name <b>MONETA PORCUPINE</b>	Client Number 220936
Address <b>104-85 Pine St. South P.O. BOX 808,</b>	Telephone Number (705) 267-7400
<b>TIMMINS, ONTARIO P4N 2K1</b>	Fax Number (705) 264-2200

2. Type of work performed. Only regional surveys and prospecting work are allowed on Crown Lands before recording. For work performed after recording a claim or on other mining lands, use form 0241.

Work Type <b>GEOTECHNICAL</b>	Office Use Commodity
	Total \$ Value of Work Claimed <b>15,958</b>
Date Work Performed From _____ To _____	NTS Reference
Clear Positioning System Data (if available)	Mining Division <b>Porcupine</b>
Transmitter <b>GODFREY</b>	Resident Geologist <b>Jimmins</b>
MicroPSN Number <b>(0-9881)</b>	

- Please remember to:
- 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;
  - provide proper notice to surface rights holders before starting work.

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

Name <b>GREG COLLINS</b>	Telephone Number 1 (705) 264-8200 EXT 2045
Address <b>BOX 1140, KIDD CREEK MINESITE, TIMMINS ON P4N 7H9</b>	Fax Number 1 (705) 267-8874
Name <b>DOLIC LEROY</b>	Telephone Number (705) 228-6478
Address <b>347 Leath's Road, Sudbury Ont., P8E 2R8</b>	Fax Number (705) 223-6478
Name	Telephone Number
Address	FAX NUMBER

4. Certification by Recorded Holder or Agent

I, GREG COLLINS, 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: *Greg Collins* Date: *Feb 26, 2001*

Agent's Address: *Kidd Creek Minesite Timmins* Telephone Number: *264-8200*

**RECEIVED**

FEB 27 2001

GEOSCIENCE ASSESSMENT OFFICE

MAR 02 2001

GEOSCIENCE ASSESSMENT OFFICE

Additional Stakeholder:

2  
W0160.00042

Name COMAPLEX MINERALS CORP.	Client Number 302304
Address 1015-4 <sup>th</sup> ST SOUTHWEST, SUITE 901	Telephone Number (403) 265-2848
CALGARY, ALBERTA T2R 1J4	Fax Number (403) 232-1421

I am on record as an agent for both Explorers Alliance Corporation and Comaplex Minerals Corporation

2. 209 36

**RECEIVED**  
 FEB 27 2001  
 GEOSCIENCE ASSESSMENT  
 OFFICE

*dm*

3



Ministry of Northern Development and Mines

Schedule for Declaration of Assessment Work on Mining Land

Transaction Number (office use) W0160.00042

\* Revised \*

Mining Claims 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.
✓ P98488	1	\$1,272 /		\$672	\$600
✓ P98609	1	\$318 /		\$318	\$0
✓ P98855	1	\$318 /		\$318	\$0
✓ P98860	1	\$1,272 /		\$672	\$600
✓ P97099	1	\$1,272 /		\$672	\$600
P123642B	2	\$318 /		\$0	\$318
✓ P98174	1	\$318 /		\$318	\$0
✓ P98859	1	\$318 /		\$318	\$0
P1203953	4	\$1,272 /		\$0	\$1,272
✓ P98847	1	\$127 /		\$127	\$0
P889240	1	\$636 /		\$0	\$636
✓ P96179	1	\$2,543 /		\$78	\$2,467
✓ P99044	1	\$509 /		\$509	\$0
P889239	1	\$381 /		\$0	\$381
✓ <del>PARCEL 28214</del> (see G6000422) 14933	1	\$1,272 /		\$0	\$1,272
✓ P98303	1	\$763 /		\$0	\$763
P1207374	1	\$381 /		\$0	\$381
✓ G6000421 PARCEL 12862	1	\$1,272		\$0	\$1,272
P1182830	1	\$888 /		\$0	\$888
P1218808	6	\$508 /		\$0	\$508
P1175953	1		\$400		
P1175954	1		\$400		
P1175955	1		\$400		
P1175956	1		\$400		
P1178458	1		\$400		
P1178459	1		\$400		
P1219645	4		\$1,600		
Column Totals		\$15,958	\$4,000	\$4,000	

G6000422

G6000421

20036

RECEIVED MAR 02 2001 GEOSCIENCE ASSESSMENT OFFICE

0290 (02/99)

✓ G6000239



Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use) W0160.00042

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, 833 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Table with 4 columns: Work Type, Units of work, Cost Per Unit of work, Total Cost. Rows include LINECUTTING, GEOPHYSICS (HLEM 222,444,1777), GEOPHYSICS (MAG), GEOPHYSICS REPORT, SUPERVISION, Associated Costs, Transportation Costs, TRUCK AND FUEL, Food and Lodging Costs, and Total Value of Assessment Work (\$15,958).

Handwritten number 2.00936

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.

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

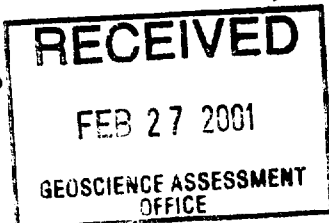
Note:

- 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.

Certification verifying costs:

I, Greg Collins, 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 Project Geologist I am authorized to make this certification.

Declaration of Work form as Project Geologist I am authorized to make this certification.



Signature: Greg Collins Date: Feb 26, 2001

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

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

April 4, 2001

FALCONBRIDGE LIMITED  
SUITE 1200, 95 WELLINGTON STREET WEST  
TORONTO, ONTARIO  
M5J-2V4

Visit our website at:  
[www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm](http://www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm)

Dear Sir or Madam:

**Submission Number:** 2.20936

**Status**

**Subject: Transaction Number(s):** W0160.00042 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 LUCILLE JEROME by e-mail at [lucille.jerome@ndm.gov.on.ca](mailto:lucille.jerome@ndm.gov.on.ca) or by telephone at (705) 670-5858.

Yours sincerely,



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



# Work Report Assessment Results

---

**Submission Number:** 2.20936

**Date Correspondence Sent:** April 04, 2001

**Assessor:** LUCILLE JEROME

---

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W0160.00042	98486	GODFREY	Approval	March 30, 2001

**Section:**

14 Geophysical EM  
14 Geophysical MAG

**Correspondence to:**

Resident Geologist  
South Porcupine, ON

Assessment Files Library  
Sudbury, ON

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

Greg Collins  
TIMMINS, ON, CAN

FALCONBRIDGE LIMITED  
TORONTO, ONTARIO

MONETA PORCUPINE MINES INC.  
TIMMINS, Ontario

---

**MAP SYMBOLOLOGY**

<b>Aerial Cowlway</b>	<b>Pipeline</b>
<b>Boundary</b>	<b>Railroad</b>
<b>Intermittent</b>	<b>Single Track</b>
<b>District Boundary</b>	<b>Double Track</b>
<b>Intermittent</b>	<b>Abandonment</b>
<b>Approximate</b>	<b>Turbidity</b>
<b>Let Consensus</b>	<b>Road</b>
<b>Appraisal</b>	<b>Highway County</b>
<b>Part Boundary</b>	<b>Thoroughfare</b>
<b>Bridge</b>	<b>Access Road (if essential)</b>
<b>Wooded Area</b>	<b>Wooded Area (if essential)</b>
<b>Building</b>	<b>Tree Bank Road</b>
<b>Chimney</b>	<b>Roads</b>
<b>Cliff, Pit, Pile</b>	<b>Double line clear</b>
<b>Contours</b>	<b>with multiple roads</b>
<b>Intermittent</b>	<b>Double line river</b>
<b>Approximate</b>	<b>with multiple roads</b>
<b>Depression</b>	<b>Railroad</b>
<b>Control Points</b>	<b>River, Stream, Canal</b>
<b>Vertical</b>	<b>Approximate</b>
<b>Horizontal</b>	<b>Approximate</b>
<b>Culvert</b>	<b>Approximate</b>
<b>Falls</b>	<b>Approximate</b>
<b>Double line river</b>	<b>Spot Elevation</b>
<b>Fence, Hedge, Wall</b>	<b>(like elevations)</b>
<b>Feature Outline</b>	<b>Tower</b>
<b>Flooded Land</b>	<b>Transmission Line</b>
<b>Lock</b>	<b>Power</b>
<b>Marsh or Swamp</b>	<b>Pegs</b>
<b>Mast</b>	<b>Utility Poles</b>
<b>Mine Head Frame</b>	<b>Wharf, Dock, Pier</b>
<b>Outcrop</b>	<b>Wooded Area</b>

**AREAS WITHDRAWN FROM DISPOSITION**

<b>M R O - MINING RIGHTS ONLY</b>				
<b>S R O - SURFACE RIGHTS ONLY</b>				
<b>M + S - MINING AND SURFACE RIGHTS</b>				
<b>Description</b>	<b>Order No.</b>	<b>Date</b>	<b>Disposition</b>	<b>File</b>
① - S R O UNDER APPLICATION FOR AGRICULTURAL PURPOSES				
② - CERTIFIED AGRICULTURAL LAND - 28/8/89 SUBJECT TO SEC 4(1) OF THE MINING ACT				
③ - BONA FIDE APPLICATION				
④ - PENDING S R DISPOSITION UNDER P.C.A.				
⑤ - FILED ONLY M.A.S. 85-35628				
⑥ - SEC. 35 W.P. 35199 M+S 1999/12/24 195150				

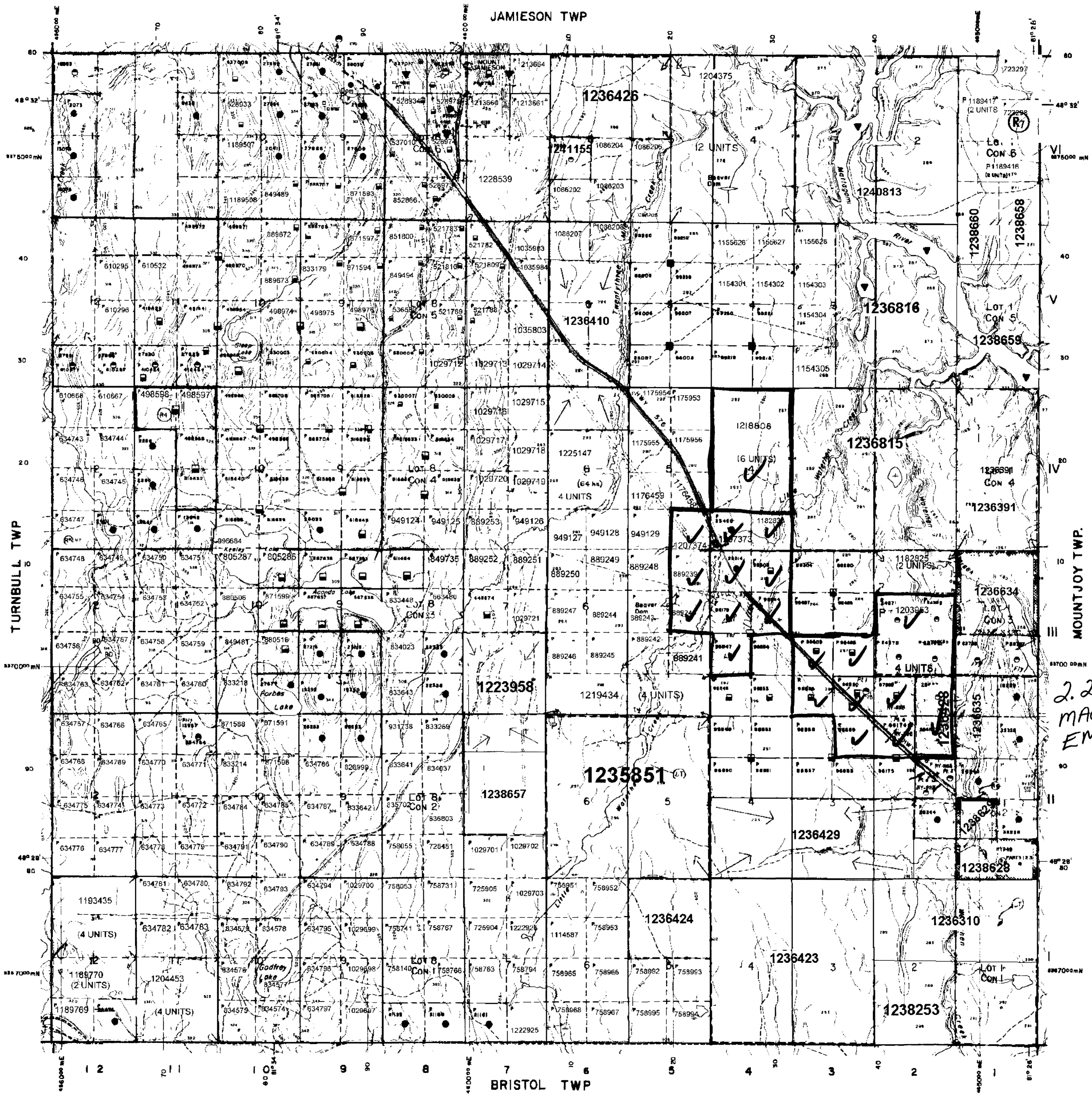
**MINING AND SURFACE RIGHTS REOPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT (R.S.O. 1990 CHAPTER 247) ON AUGUST 11, 1999, AT 7:00 AM EAST (TIME IN C.P.A. TIME ZONE) FOR THE FOLLOWING:**

① - MINING AND SURFACE RIGHTS REOPENED FOR PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT (R.S.O. 1990 CHAPTER 247) ON AUGUST 11, 1999, AT 7:00 AM EAST (TIME IN C.P.A. TIME ZONE) FOR THE FOLLOWING:

② - MINING AND SURFACE RIGHTS REOPENED FOR PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT (R.S.O. 1990 CHAPTER 247) ON AUGUST 11, 1999, AT 7:00 AM EAST (TIME IN C.P.A. TIME ZONE) FOR THE FOLLOWING:

42A115M209 2.20936 GODFREY 200

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



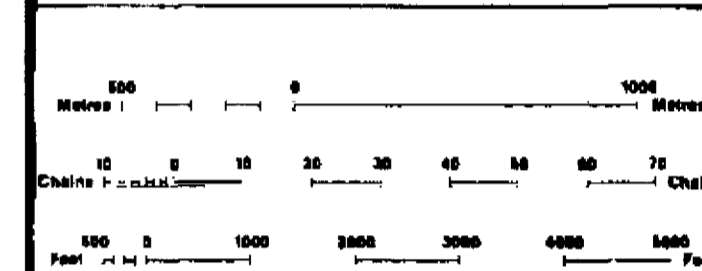
**LEGEND**

<b>HIGHWAY AND ROUTE No.</b>	
<b>OTHER ROADS</b>	
<b>TRAILS</b>	
<b>SURVEYED LINES</b>	
<b>TOWNSHIPS, BASE LINES, ETC.</b>	
<b>LOTS, MINING CLAIMS, PARCELS, ETC.</b>	
<b>UNSURVEYED LINES</b>	
<b>LOT LINES</b>	
<b>PARCEL BOUNDARY</b>	
<b>MINING CLAIMS ETC.</b>	
<b>RAILWAY AND RIGHT OF WAY</b>	
<b>UTILITY LINES</b>	
<b>NON PERENNIAL STREAM</b>	
<b>FLOODING OR FLOODING RIGHTS</b>	
<b>SUBDIVISION OR COMPOSITE PLAN</b>	
<b>RESERVATIONS</b>	
<b>ORIGINAL SHORELINE</b>	
<b>MARSH OR MUSKEG</b>	
<b>MINES</b>	
<b>TRAVERSE MONUMENT</b>	

**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	○
RESERVATION	○
CANCELLED	○
SAND & GRAVEL	○

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8, 1915, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 286, SEC. 35, SUBSEC. 1.



SCALE 1:20,000  
GRID ZONE 17

**NOTES**

FLOODING RIGHTS ON EITHER SIDE OF THE MATTAGAMI RIVER TO HEPC

LICENCE OF OCCUPATION LOCATED WITHIN LOTS 7 & 8 IN CONVEYANCE T-1187 PARTS 2 AND 3 ON A PLAN OF LOCATION CL 485, ISSUED JUNE 11, 1995 FOR SURFACE RIGHTS ONLY TO MONTGOMERY MINE REVISOR LIMITED (SEE DOCUMENT AND PLAN OF SURVEY AVAILABLE IN LAND ROLL FILE)

2.20 936  
MAG EM  
X  
⑤ - PROPOSED SNOWMOBILE TRAIL NOT RECD 93-MAY-20

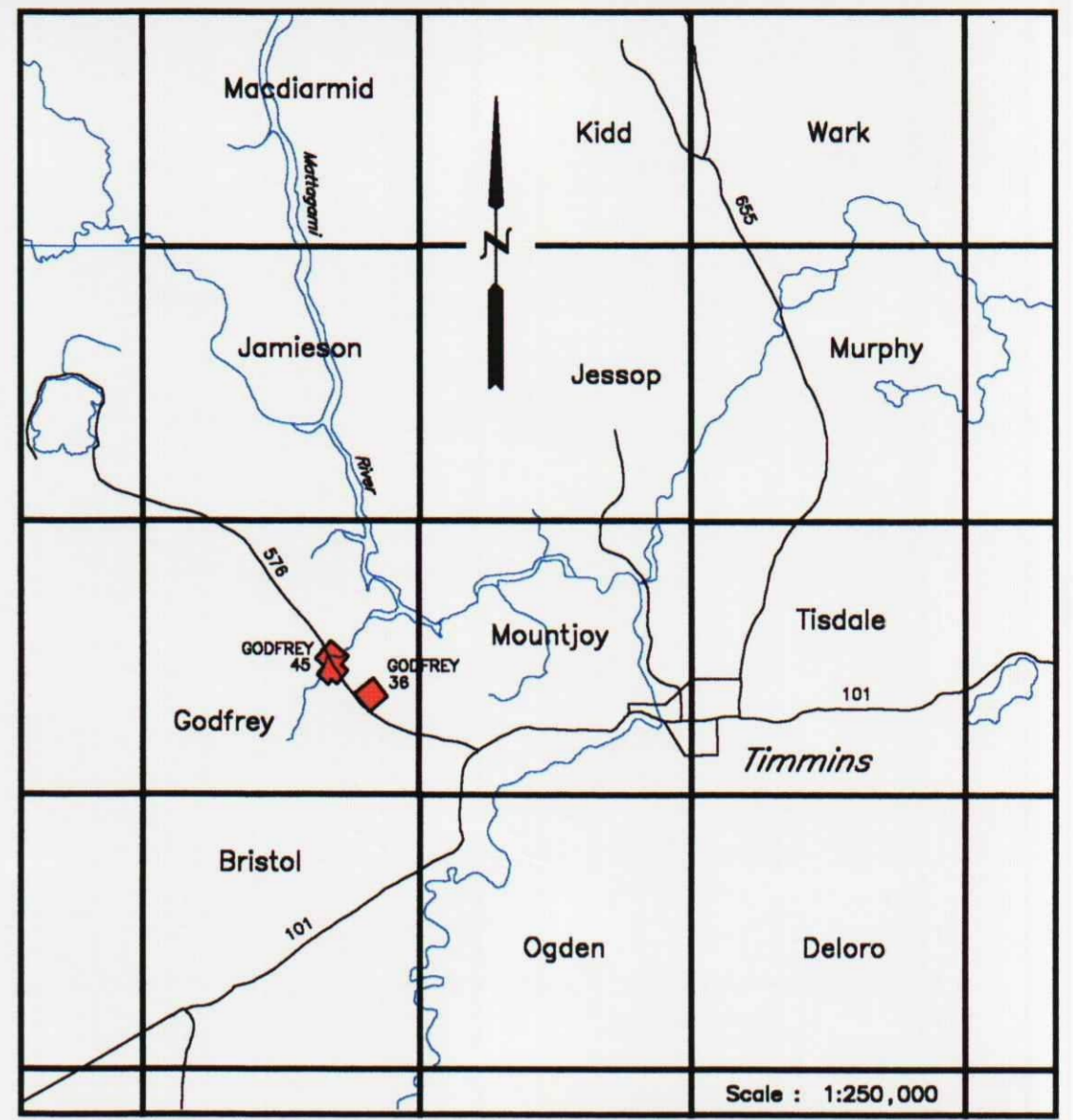
**TOWNSHIP**  
**GODFREY**

**MNR ADMINISTRATIVE DISTRICT**  
**TIMMINS**  
**MINING DIVISION**

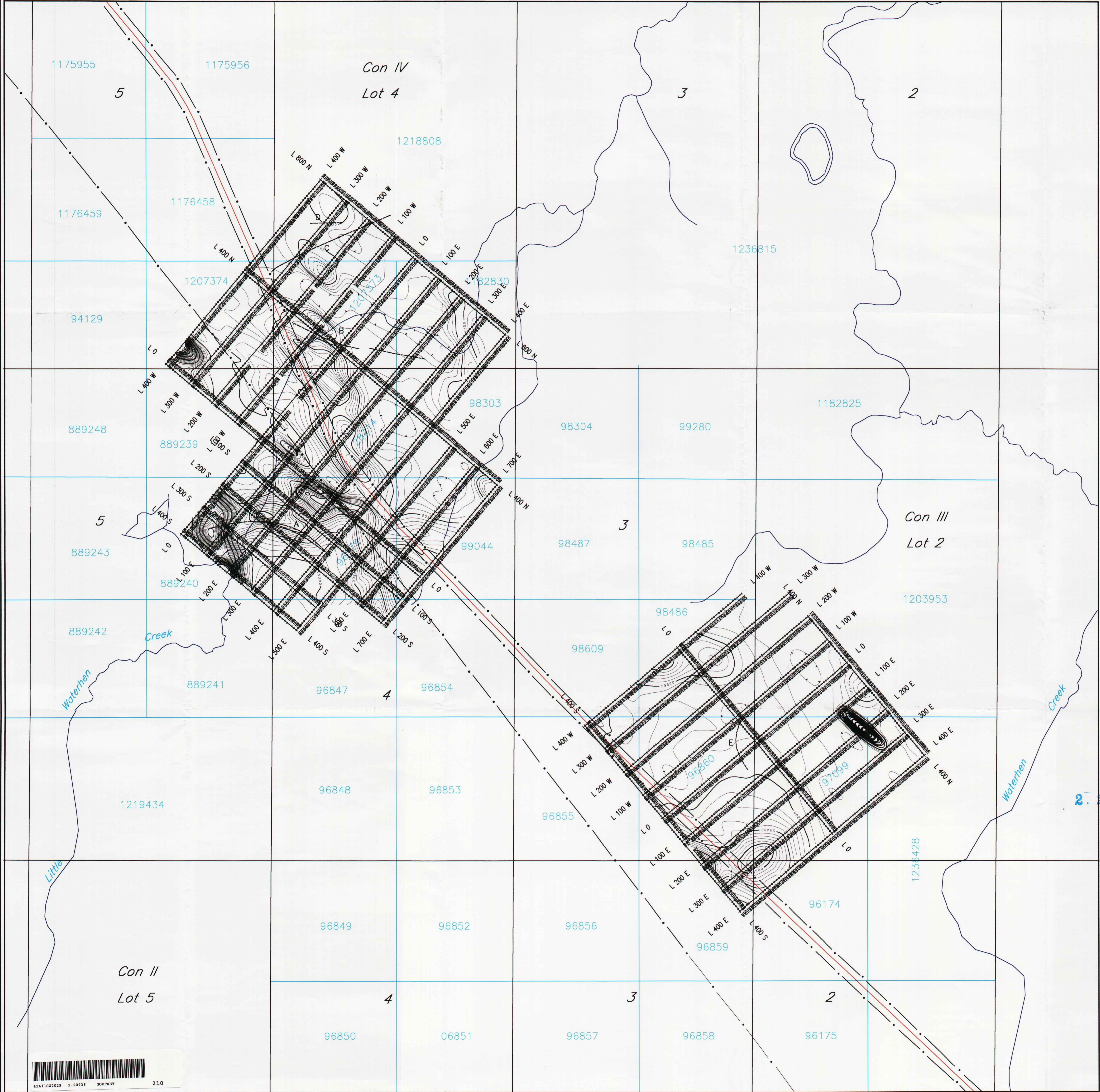
**PORCUPINE**  
**LAND TITLES / REGISTRY DIVISION**  
**COCHRANE**

Ministry of Natural Resources  
Land Management Branch  
Ontario

ORIGINAL COMPILATION JULY 1984  
REVISED  
Number  
**G-3991**

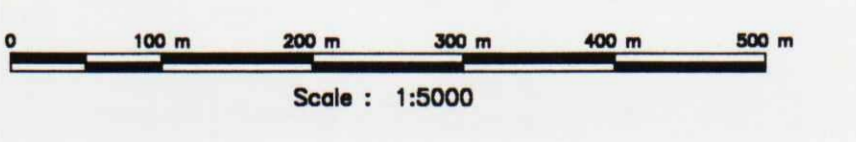


INDEX MAP



LEGEND

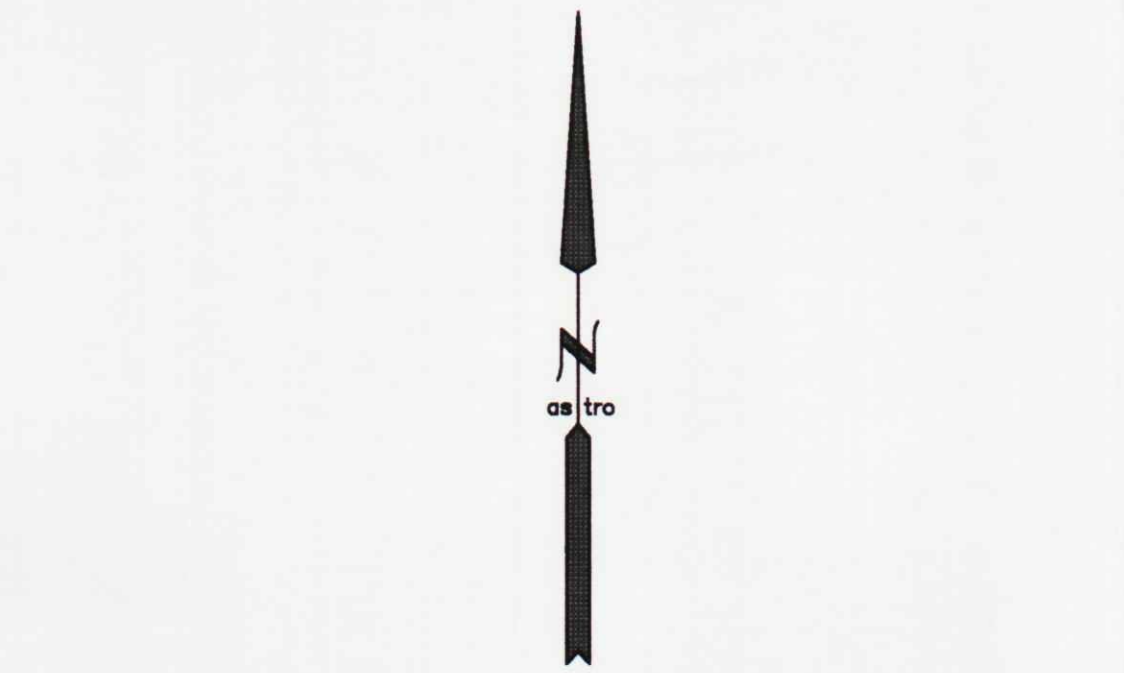
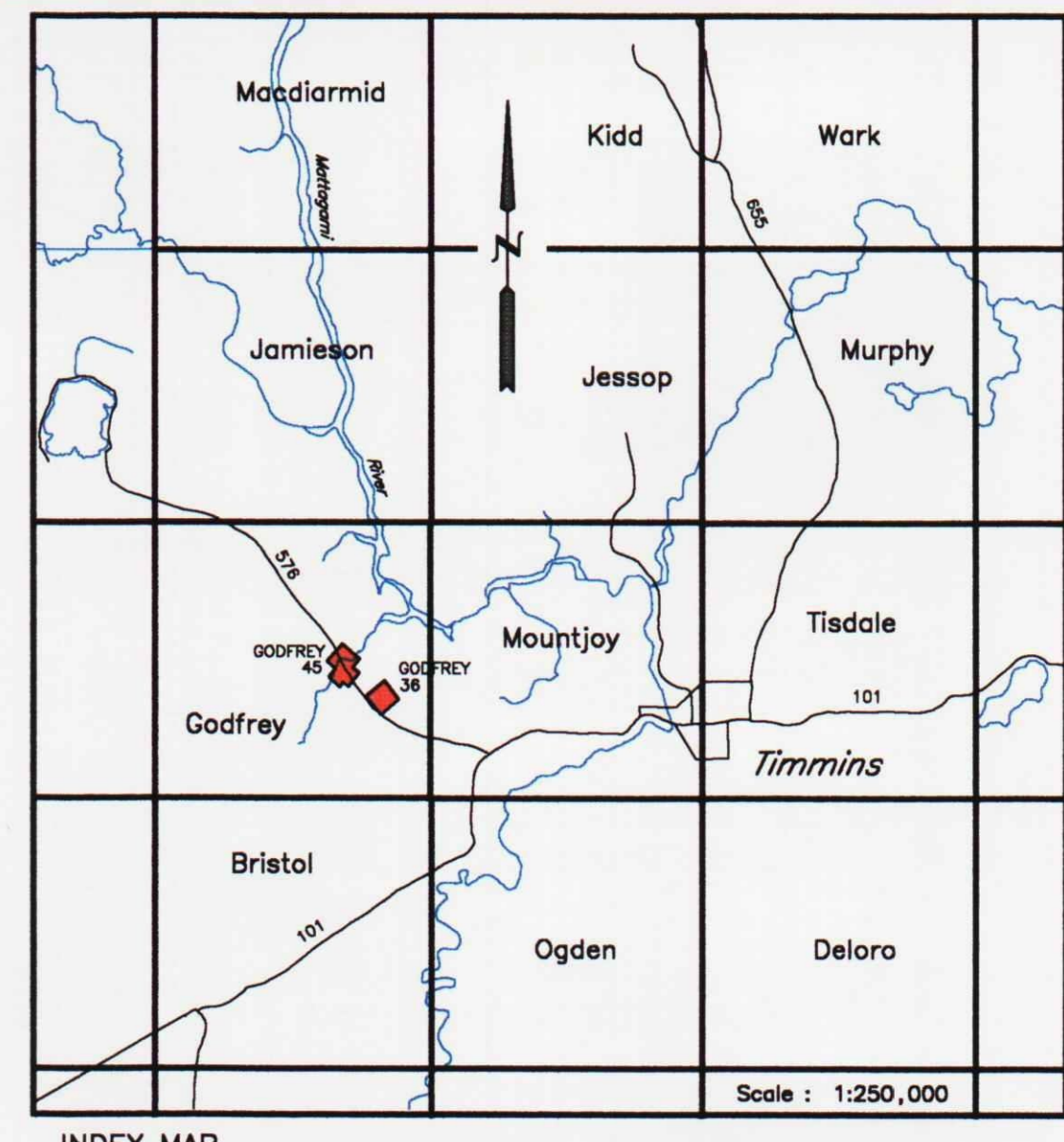
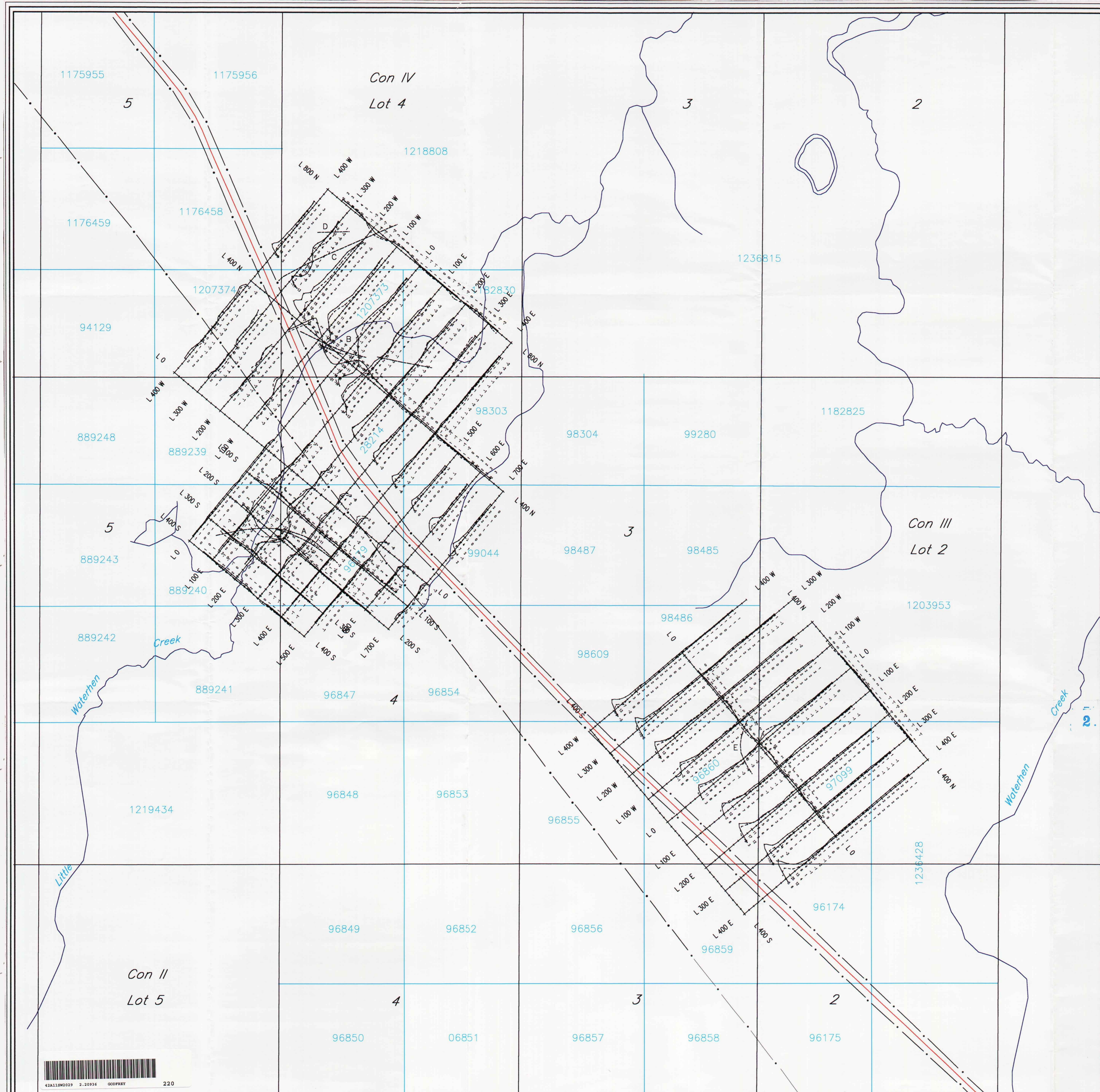
Instrument : Scintrex IGS-2/MP-4  
 Type : Total Field Proton Precession  
 Datum Level : 59000 nT  
 Contour Interval : 20 nT  
 Gridded By : Geosoft Blgrid  
 Cell Size : 10.0 metres  
 Filter : 1 Pass 9 Point Hanning  
 --- EM Anomaly, 444 Hertz



2. 20936

<b>FALCONBRIDGE LIMITED</b>	
<b>MAGNETIC SURVEY</b>	
<b>GODFREY 36/45</b>	
<b>GODFREY TOWNSHIP</b>	
File : G38.XYZ	Date : December, 2000
NTS : 42-A/05/06	Proj # : 8034
WORK BY : <i>Timmins Geophysics Ltd</i>	





LEGEND

Instrument : Apex Parametrics MaxMin I-5  
 Coil Separation : 120/160 metres  
 Frequency : 444 Hertz  
 Profile Scale : 1cm = 20%

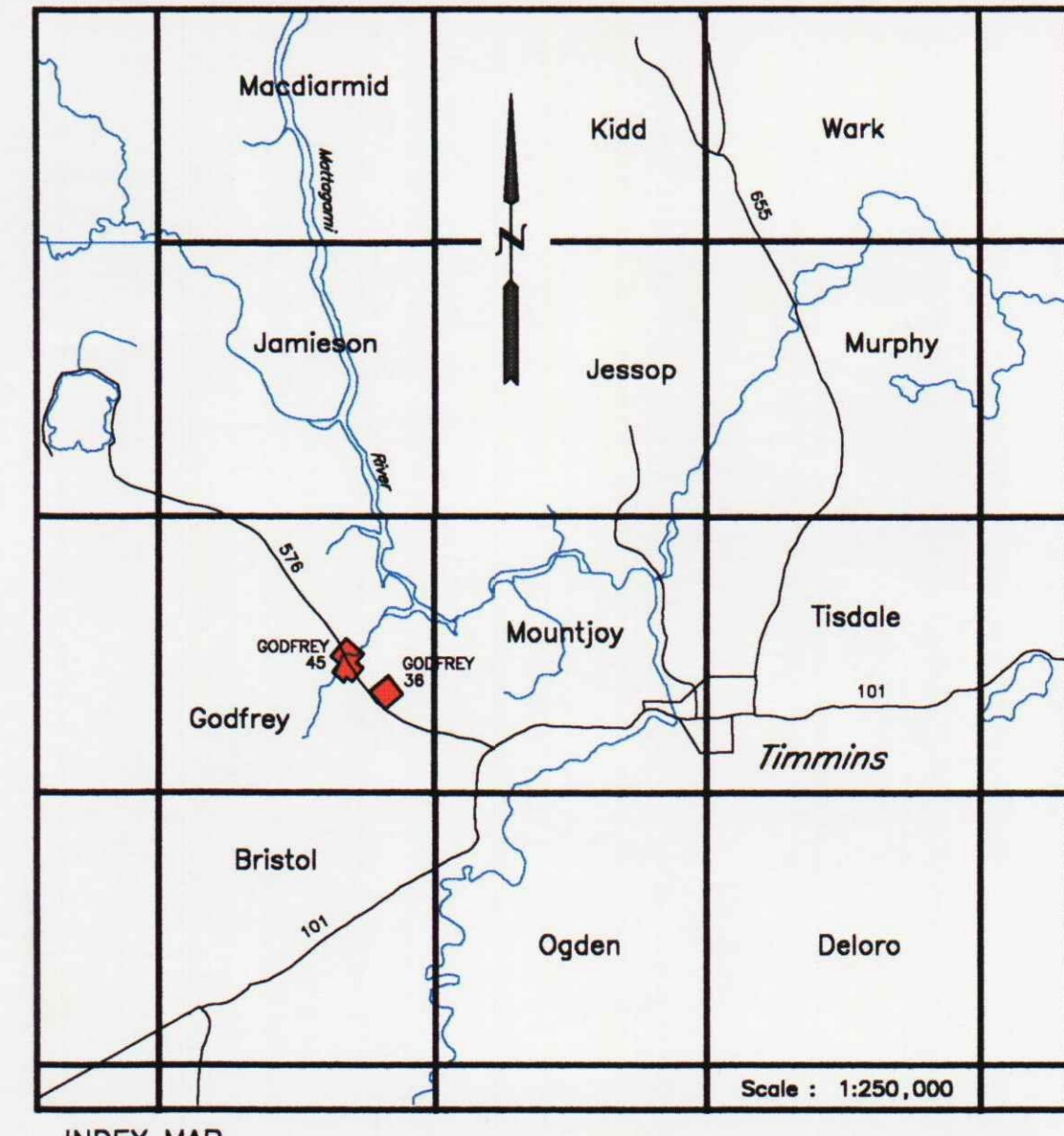
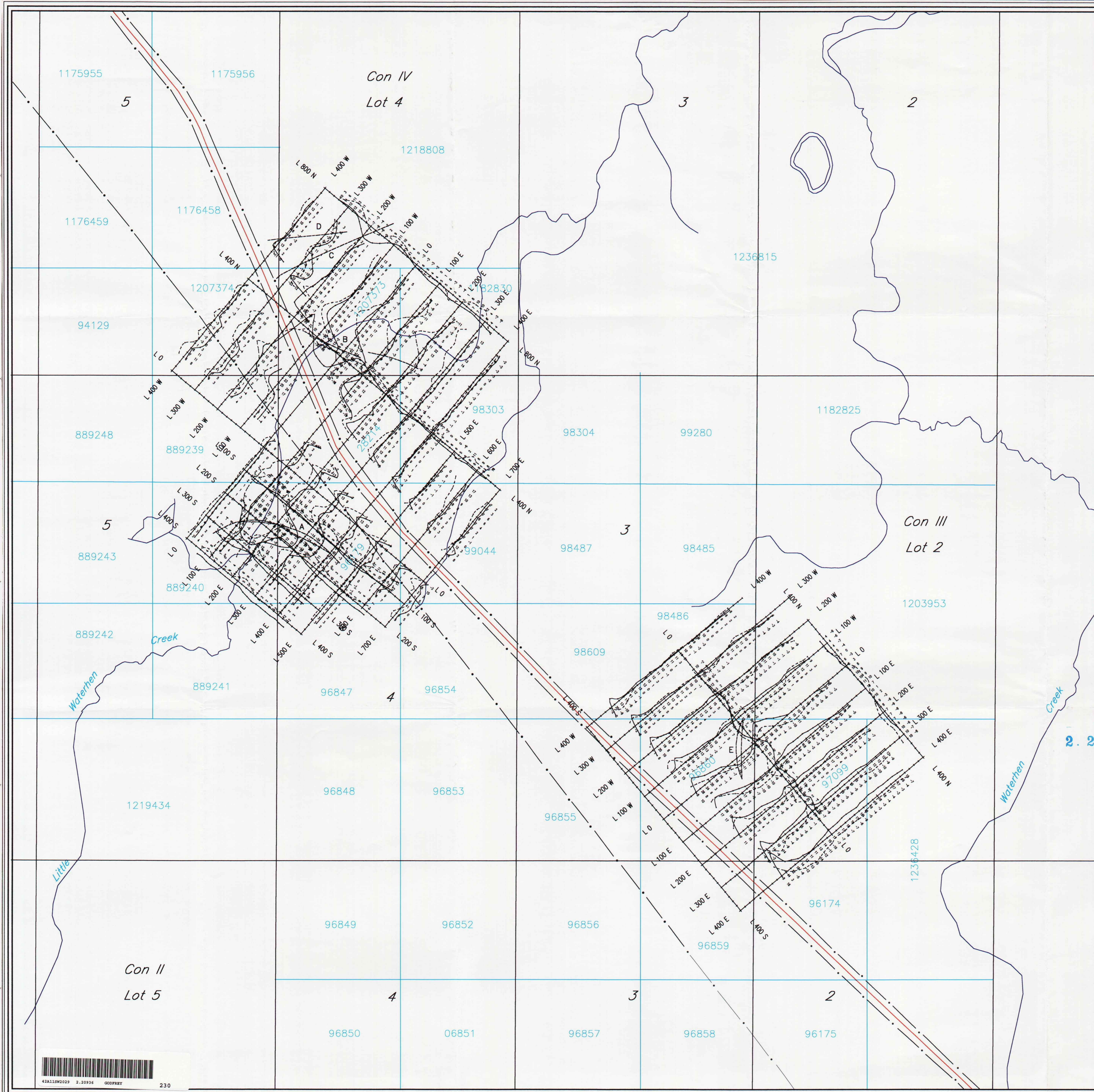
In-phase

Quadrature

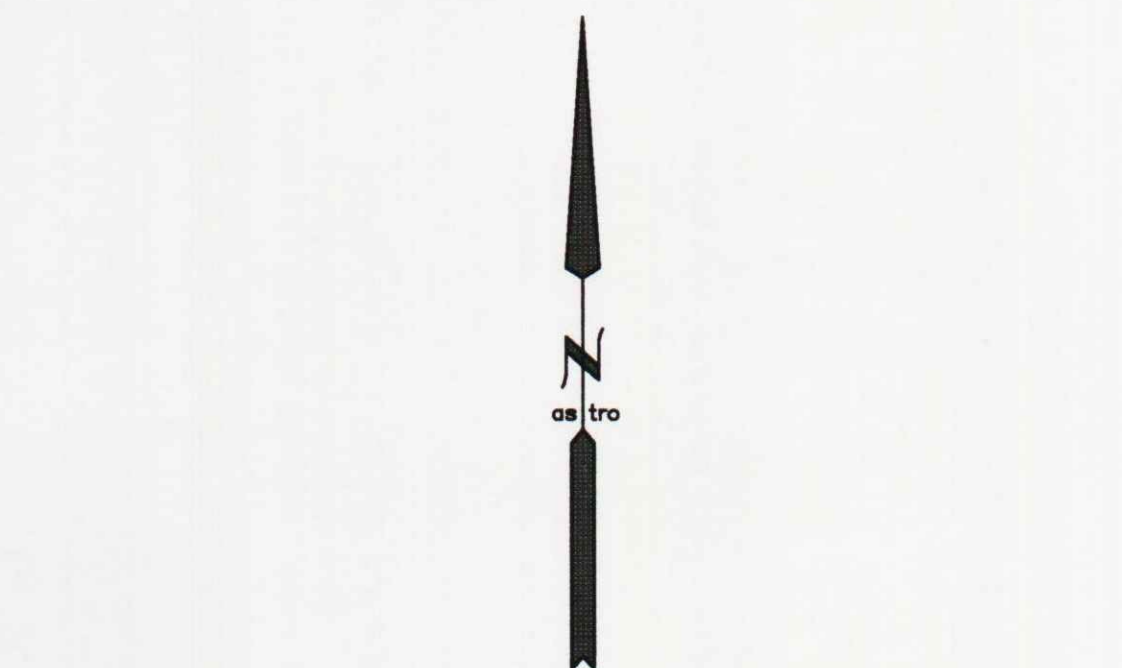
Scale : 1:5000

<b>FALCONBRIDGE LIMITED</b>	
HLEM SURVEY (444 Hz)	
GODFREY 36/45	
GODFREY TOWNSHIP	
File : G36HL.XYZ	Date : December, 2000
NTS : 42-A/05/06	Proj # : 8034
WORK BY : <i>Timmins Geophysics Ltd</i>	

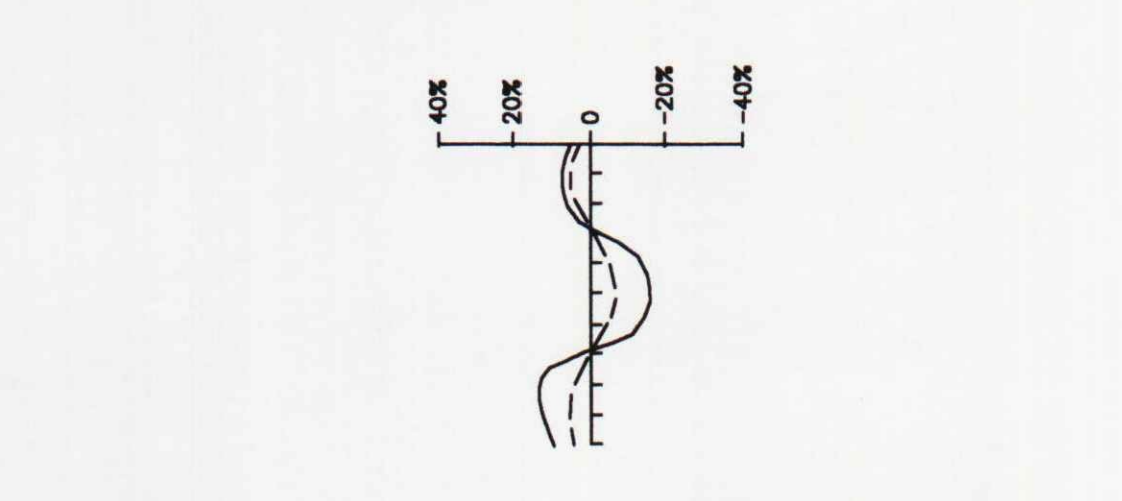




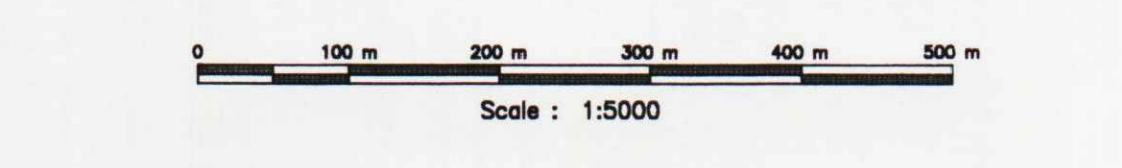
INDEX MAP



LEGEND  
 Instrument : Apex Parametrics MaxMin I-5  
 Coil Separation : 120/160 metres  
 Frequency : 1777 Hertz  
 Profile Scale : 1cm = 20%



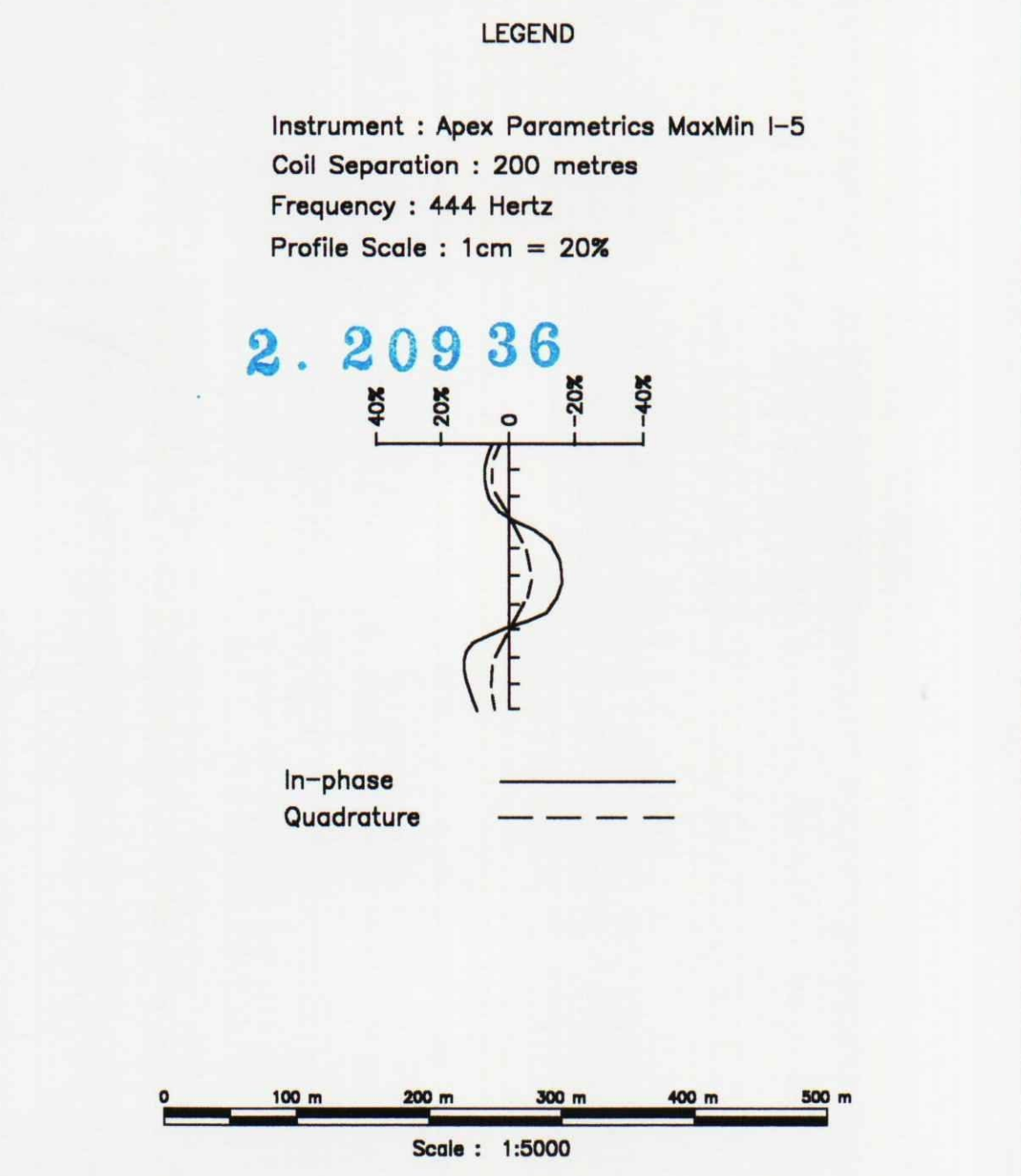
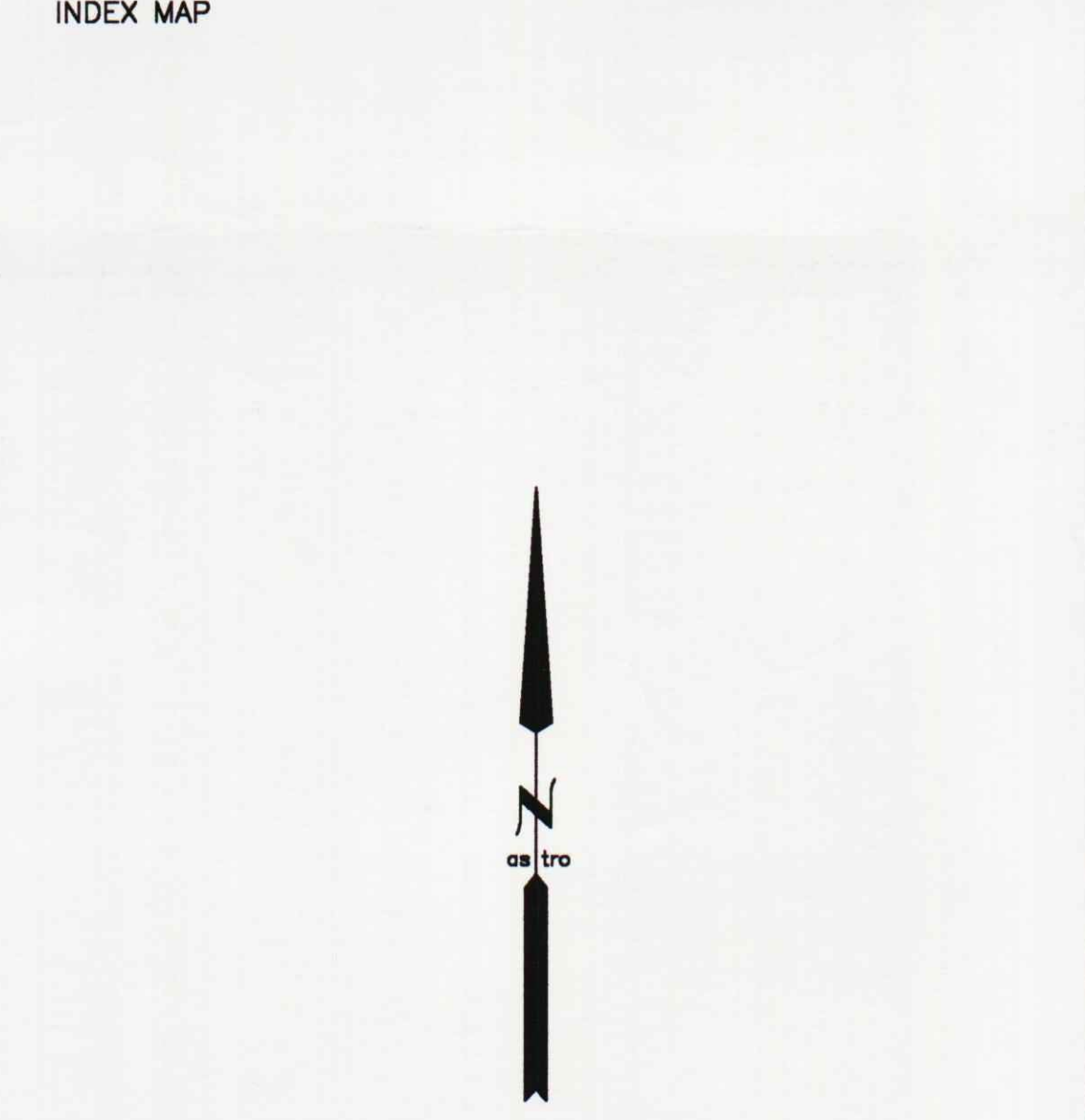
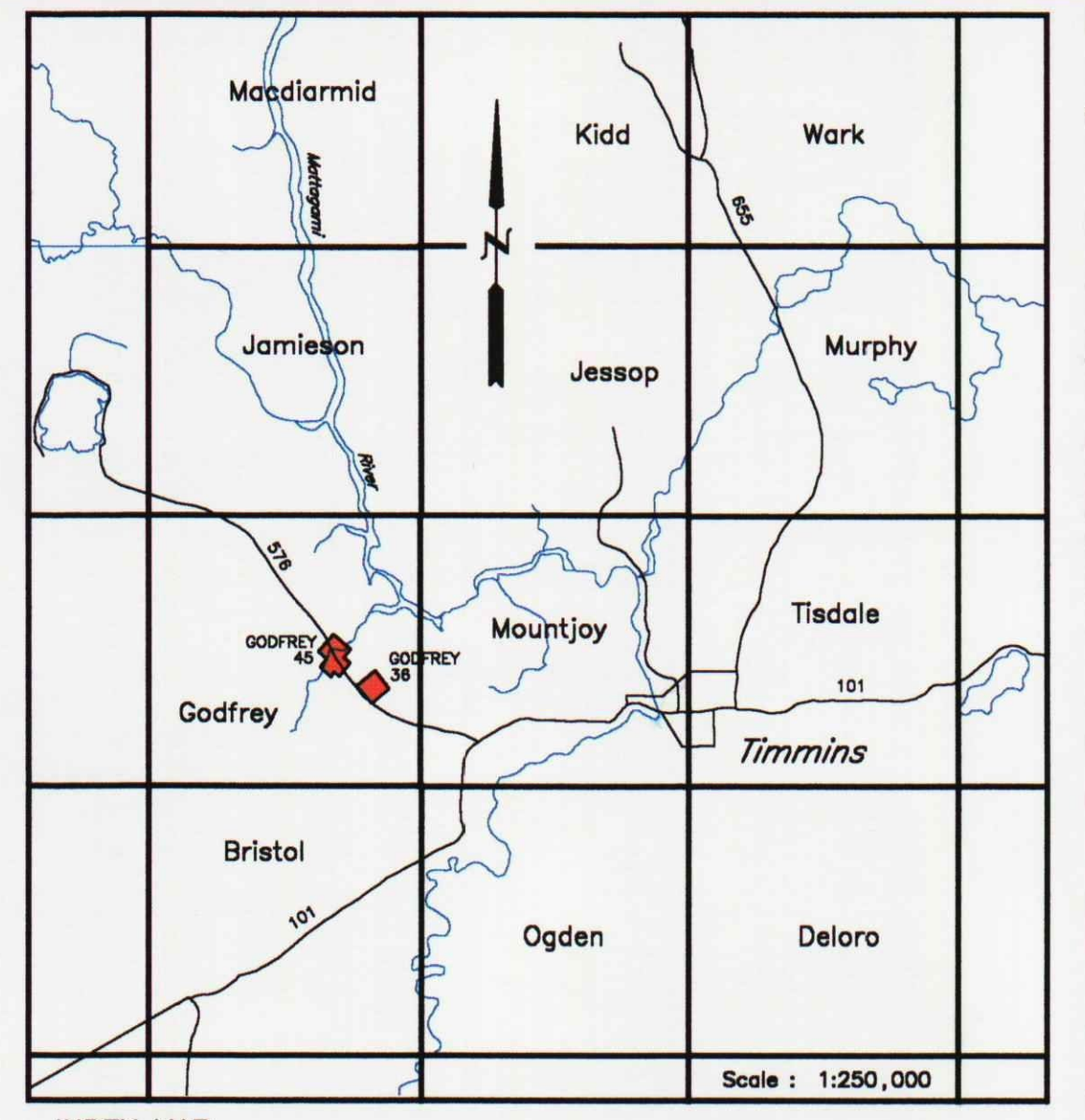
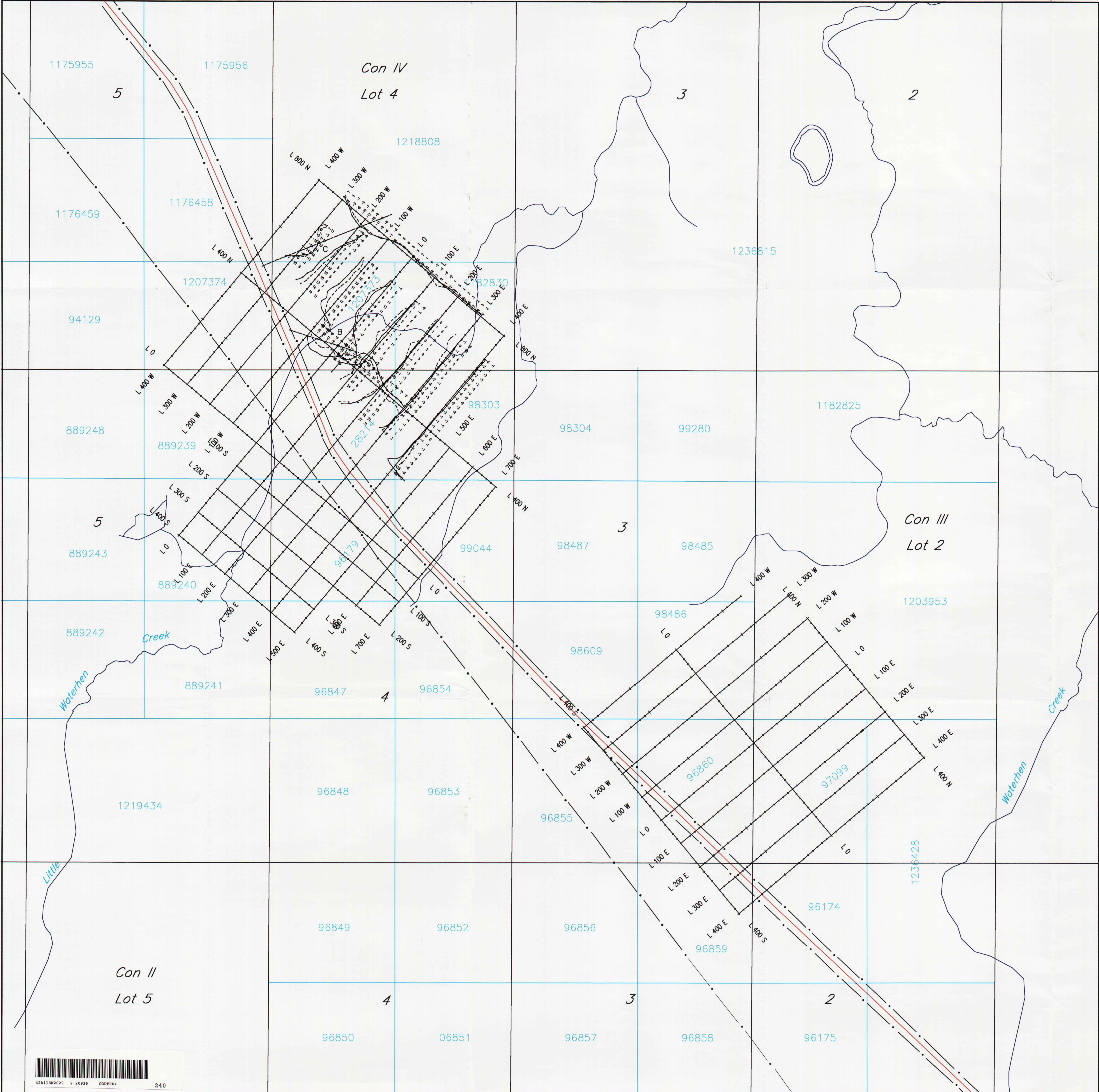
In-phase  
 Quadrature



**FALCONBRIDGE LIMITED**  
 HLEM SURVEY (1777 Hz)  
 GODFREY 36/45  
 GODFREY TOWNSHIP

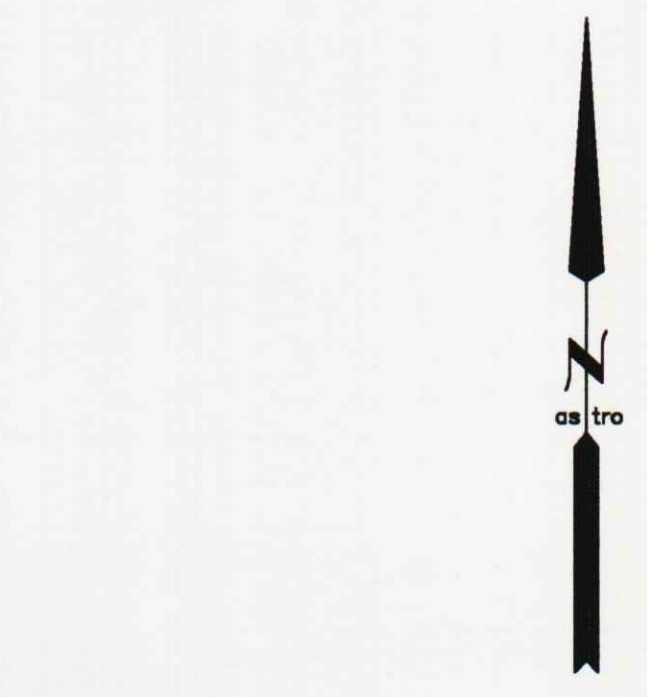
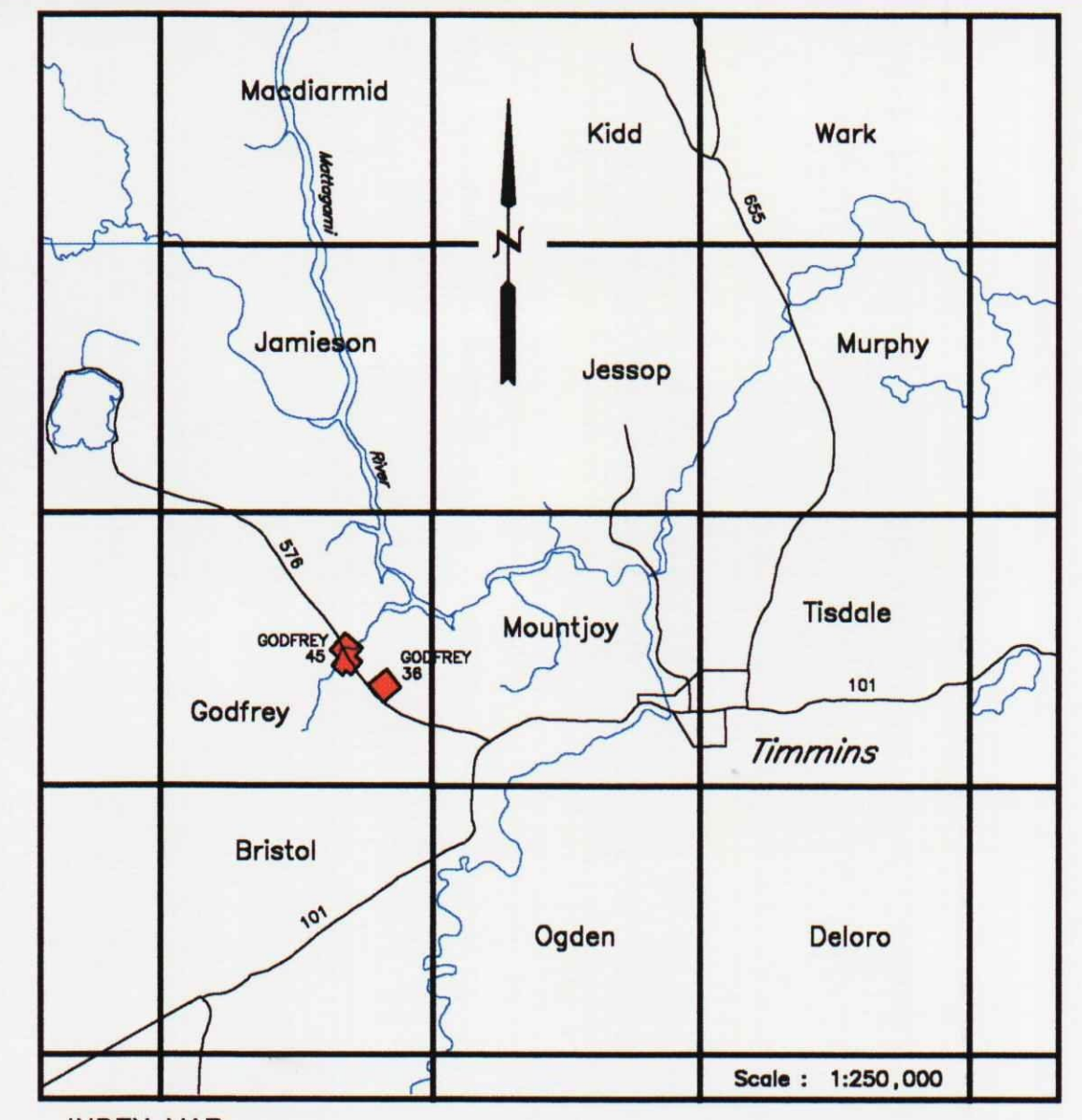
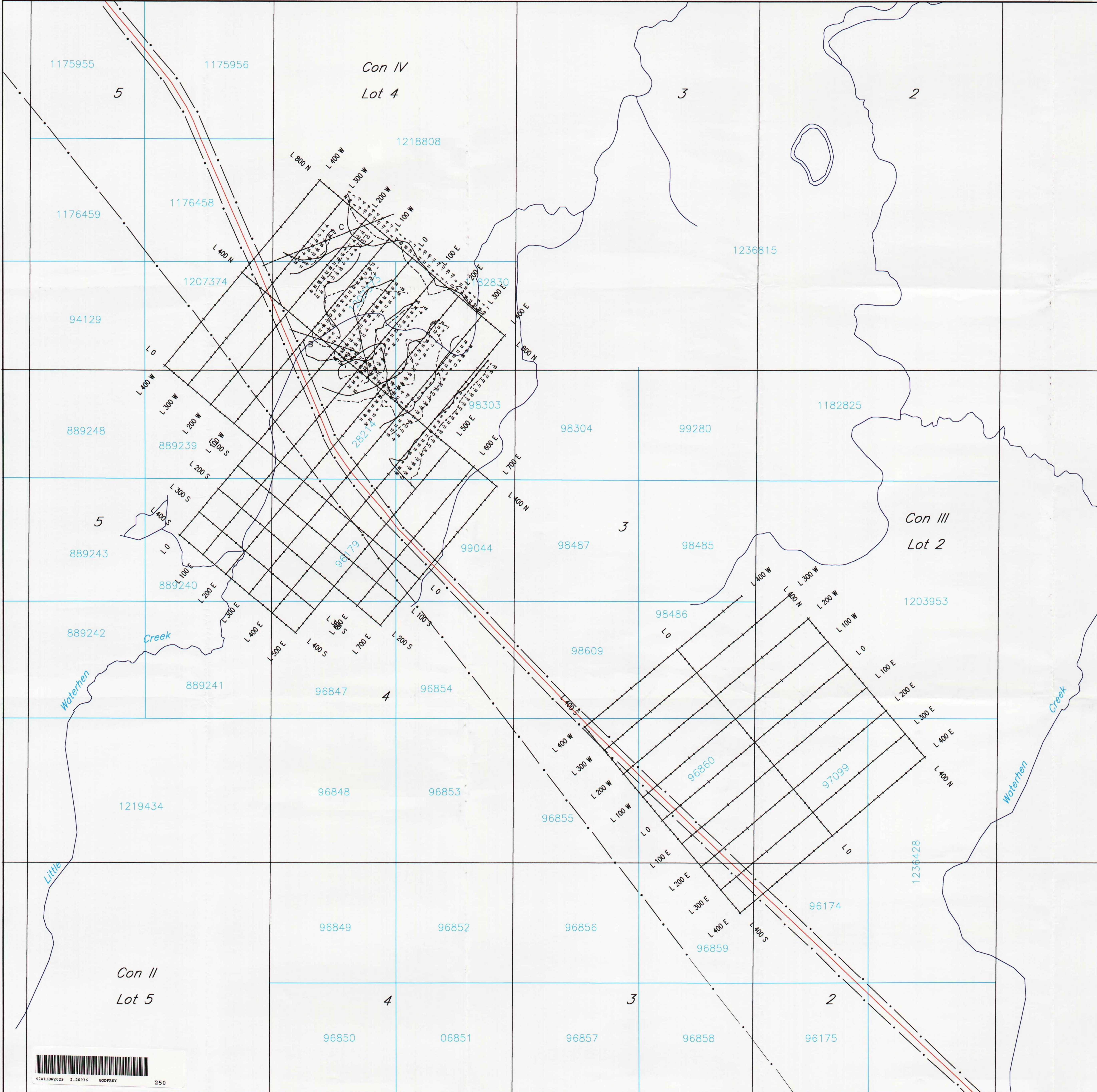
File : G36HL.XYZ Date : December, 2000  
 NTS : 42-A/05/06 Proj # : 8034  
 WORK BY : Timmins Geophysics Ltd



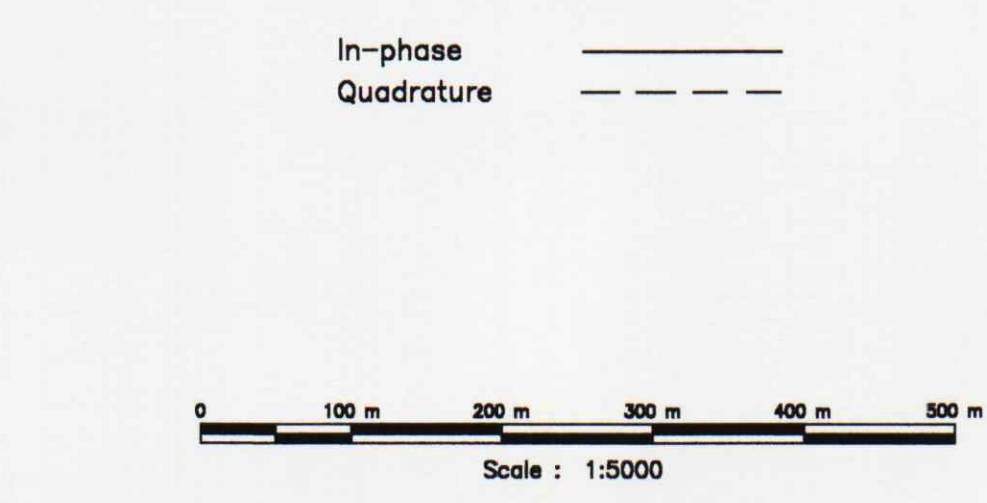
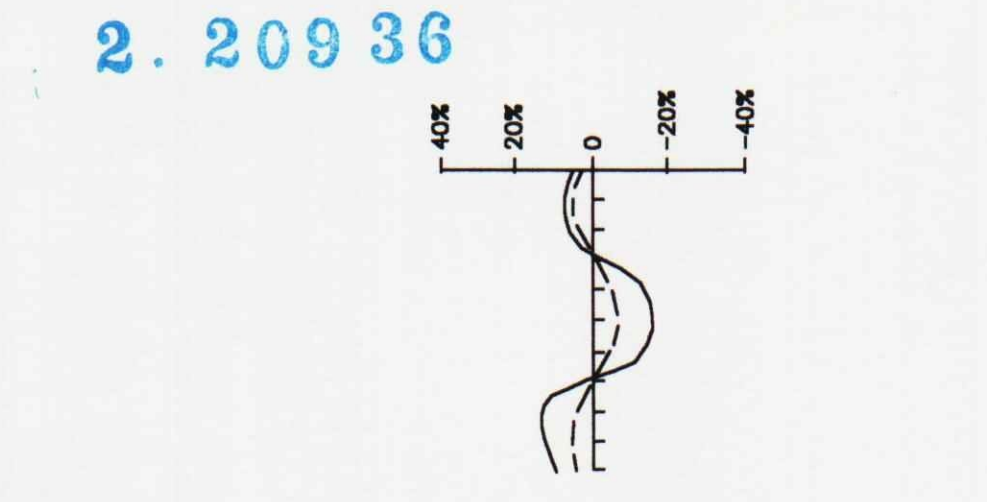


<b>FALCONBRIDGE LIMITED</b>	
HLEM SURVEY (444 Hz)	
GODFREY 36/45	
GODFREY TOWNSHIP	
File : G36HL.XYZ	Date : December, 2000
NTS : 42-A/05/06	Proj # : 8034
WORK BY : <i>Timmins Geophysics Ltd</i>	





LEGEND  
 Instrument : Apex Parametrics MaxMin I-5  
 Coil Separation : 200 metres  
 Frequency : 1777 Hertz  
 Profile Scale : 1cm = 20%



<b>FALCONBRIDGE LIMITED</b>	
HLEM SURVEY (1777 Hz)	
GODFREY 36/45	
GODFREY TOWNSHIP	
File : G36HL.XYZ	Date : December, 2000
NTS : 42-A/05/06	Proj # : 8034
WORK BY : <i>Timmins Geophysics Ltd</i>	

