

REPORT OF WORK

on the

FOUR CORNERS PROPERTY

Turnbull Township

NTS: 42-A/S

Project No.: 8284

for

FALCONBRIDGE LIMITED

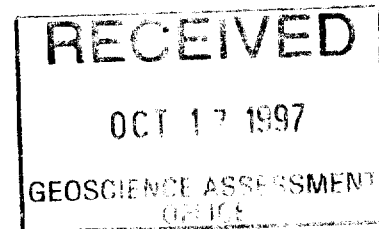
Exploration Division

Timmins, ON

on behalf of

CAMBIOR INC.

Val D'Or, Quebec



2.17089

October 1997

Geoserve Canada Inc.

R. J. Daigle



42A05NE0166 2.17869 TURNBULL

010

1.0 SUMMARY

Falconbridge Limited commissioned Geoserve Canada Inc., of South Porcupine, ON, to do line cutting and geophysical surveys on their Four Corners Property on behalf of Cambior Inc. The work comprised of line cutting, total field magnetics, and HLEM surveys covering much of twenty four claims in Turnbull Township. The work ensues a 1996 program in which Timmins Geophysics, and Exsics Exploration were involved. The HLEM survey confirms a known conductor at depth.

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Figure

Figure 1	Four Corners Property	(2)
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PLANS

Plan 1	1:5000	TFM Survey	(pocket)
Plan 2	1:5000	440Hz HLEM Survey	(pocket)
Plan 3	1:5000	1760Hz HLEM Survey	(pocket)

(i)



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2.0 INTRODUCTION

Falconbridge Limited, awarded a contract to Geoserve Canada Inc., of South Porcupine, ON, to do line cutting and geophysics on the Four Corners Property on behalf of Cambior Inc. The work completed by Geoserve from **September 25 to October 03, 1997**, covers much of twenty four (24) claims located in the southeast corner of **Turnbull Township**. Turnbull Township is roughly twenty kilometers west of Timmins, ON. The Malette Haulage Road, which is an all season road, provides good access to the property. The road runs along the south boundary of Turnbull Township. The purpose of this survey was to determine if there are any bedrock conductors which were undetected in the 1996 survey with 160 m cable, and also to explore the ground to the southwest. The Cambior Option lies in an area where several magmatic nickel-copper occurrences have been reported over the years. A significant occurrence lies approximately 1.5 km northeast of the property in Godfrey Township (Geology of Godfrey Township, ODM, Nelson Hogg, 1955). Previous work by Falconbridge in 1996 comprises line cutting, TFM, and HLEM surveys and can be reviewed in a report written by **Mr. D. Londry, 1996**. The 1997 work being reported on comprises a southwest continuation of the 1996 work, and a 200 m coil spaced HLEM survey on all of the existing survey lines. This report will summarize the results of the 1997 work, and make use of the 1996 geophysical surveys to help evaluate the Cambior Option. Several references were used, and are listed under the heading Past Exploration.

3.0 GENERAL GEOLOGY

The property lies within the Kamiskotia Assemblage, and is in the southwestern part of the Abitibi Sub-province. The Kamiskotia Gabbroic Complex is overlain by, and is in part gradational with, genetically related rhyolites, basalts, and minor andesites of the Kamiskotia Volcanic Complex. Felsic volcanic rocks are rhyolite and high-silica rhyolite. North-northwest-striking Matachewan diabase dike swarms cut all rocks of the area.

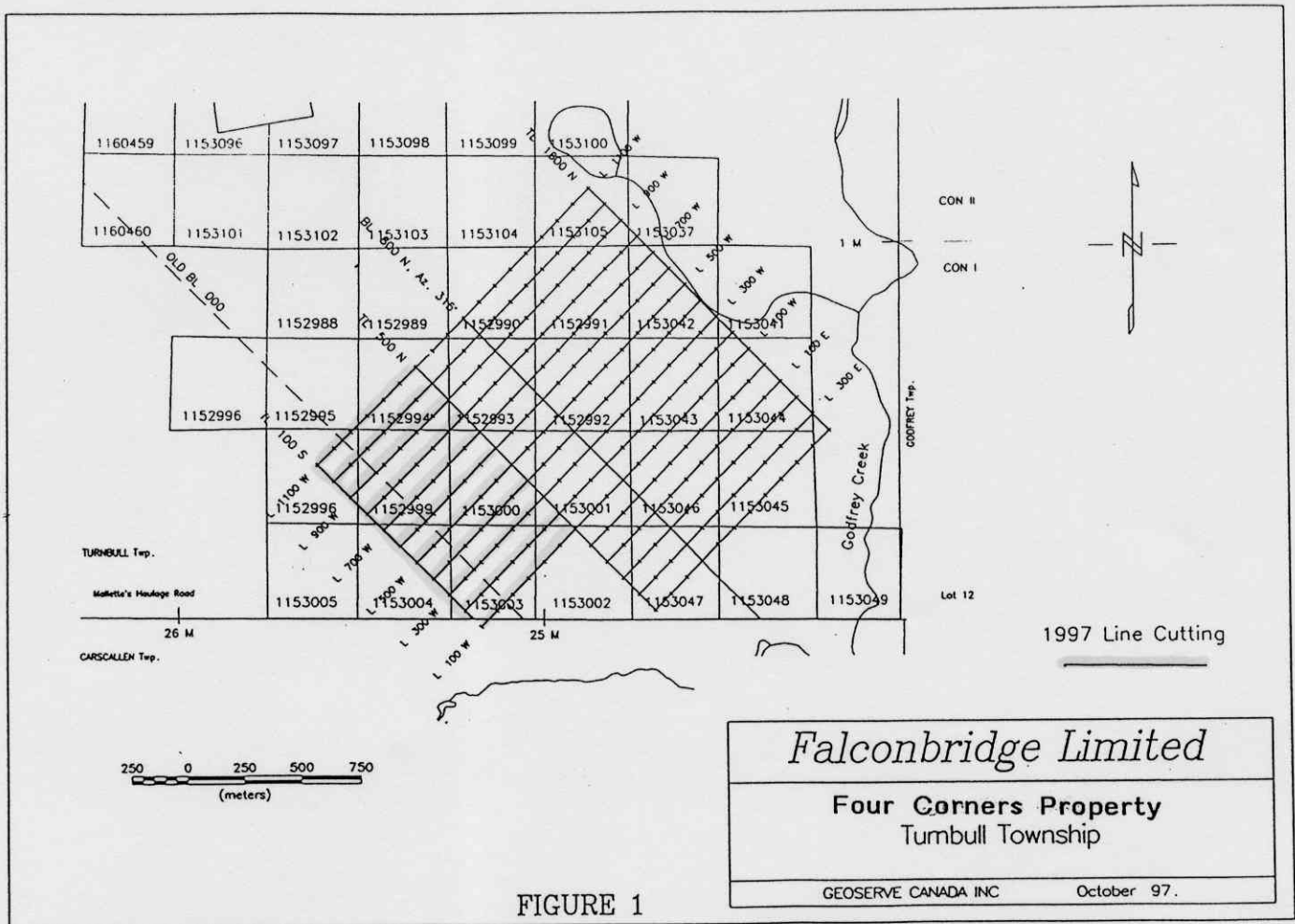


FIGURE 1

4.0 PAST EXPLORATION

The author made use of the report written by Mr. D. Londry, 1996, which describes past work on the claims being reported on.

- **1996**, Falconbridge Limited extended a hole originally drilled by Chevron in 1985.
- **1996**, Report of Geophysical Work, Mr. D. Londry.
- **1995**, Diamond Drill Hole by Cambior, tested a Melis EM conductor.
- **1994**, line cutting, and Melis EM surveys over parts of the claims being reported on.
- **1988**, two small grids with HLEM coverage, followed by four (4) diamond drill holes (in the vicinity of the 1985 Chevron Holes), with anomalous base metal values reported.
- **1988**, Airborne Survey flown by Geoterrex Ltd for the OGS (Map 81076). Three aero-em anomalies are seen on the northwest part of the property.
- **1988**, two diamond drill holes by Chevron on present claim P-1153104. Anomalous base metal values reported.
- **1985**, two direction airborne survey, line cutting, geological, and lithogeochemical surveys by Chevron. A limited soil geochem survey was also completed.
- **1927**, mapping by the ODM, which commenced in 1912.

5.0 1997 EXPLORATION

5.1.0 Line Cutting

Geoserve Canada Inc., line cutting crews started work on **September 25, 1997** and completed **7.6 km** of lines on **September 27, 1997**. Crews extended the previous 1996 Grid southwesterly. Eleven lines were cut for a length of 600 meters with an Azimuth of N225°T. Crews also cut tie-line 100S for a length of 1 km (Azimuth N315°T) parallel to the original baseline 800N. All of the new lines were chained and picketed at a 20 meter interval.

5.2.0 Total Field Magnetic Survey

5.2.1 Procedure

Geoserve geophysical operator Mr. D. Clement, read the total field magnetics on the new lines on October 03, 1997. Mr. Clement used the Terra Plus GSM-19 magnetometer to read the total field at a 20 meter interval along all lines. A similar GSM-19 magnetometer corrected the data by monitoring the diurnal drift from grid coordinate tie-line 500E/0+00N. The data was leveled with an original reading taken by Exsics Exploration in 1996.

The data was then processed using Geosoft, and is presented on Plan 1 (pocket). Readings are posted with a 57500 nT base subtracted (as archived to file cambmag.xyz).

5.2.2 Results (1996 & 1997 TFM surveys)

Three narrow north-south-striking magnetic features on the east part of the grid infer underlying Matachewan diabase dikes. The source of the magnetic highs near tie-line 500N from line 200W to 700W is uncertain at this time. All magnetic anomalies terminate westerly near and along line 800W. A fault is suspect in this vicinity.

5.3.0 HLEM SURVEY

5.3.1 Procedure

Geoserve geophysical crews, Mr. D. Clement (operator), and Mr. D. Crowley (helper) read the HLEM survey from **September 28 to October 02, 1997**. Crews used the max-min I-9 in conjunction with the MMC data logger to read all of the cross-lines with the selected 200 meter coil spacing. Crews read 440 Hz, and 1760 Hz frequencies, storing both In-Phase and Out-of-Phase elements at a 20 meter interval.

The data was then processed using Geosoft. The 440Hz is presented on Plan 2, and the 1760Hz is presented on Plan 3. Both elements are profiled scale of 1cm=10% on the two plan maps.

5.3.2 Results

Several Out-of-Phase anomalies are seen on both plan maps. The significant amplitudes infer a change in overburden over several areas on the grid. These anomalies are sometimes referred to as geological noise, and generally represent bedrock highs under the positive trough. A bedrock electromagnetic conductor has been repeated on line 900W, centered at 1320E. The strike of the source is believed to be near north-south. The poor coupling gives misleading cross-overs which infers a dip to the body. The anomaly can be traced across line 800W which only partially defines this anomaly. The anomaly has an interpreted width of near 20 meters, depth to top of 64 meters, and a conductivity thickness of 2.1 mhos on the 1760Hz survey. The 440Hz survey shows a 25 meter width, 80 meter depth, and a 11.5 mhos conductivity thickness. The conductor is also weakly defined on line 800W on the 440Hz survey. Another weak In-Phase anomaly can be seen on lines 300E, and 400E near 1200N is of interest.


6.0 CONCLUSION

If additional work proves sources of economic interests, additional electromagnetic surveys should be orientated in a near east-west fashion.

Respectfully submitted for approval,

Oct 16th / 97

DATE



RICHARD DAIGLE


7.0 CERTIFICATION

I **Richard J Daigle** residing at 40 Crawford Street, South Porcupine, ON, certify that;

1. This is my 19th year of practice in mining exploration.
2. I am registered with the Ontario Association of Certified Technologist.
3. I am presently owner operator of Geoserve Canada Inc.
4. I was employed by MC Exploration Services Inc., of Timmins, ON, as geophysical evaluator from 1992 to 1997.
5. Accomplished geophysical contracts (IP, HLEM, TFM, SP) and property assessments in Eastern Canada, 1987 to 1992.
6. Accomplished geophysical contracts in northeastern ON, 1985-87.
7. Geophysicist Assistant/Senior Technician for Kidd Creek Mines under the supervision of Mr. D. Londry, 1981-85.
8. Experienced Max-Min (HLEM) surveys/interpretations under the supervision of Mr. J. Betz, 1979-81.
9. Received Electronic Technologist Certificate in 1979.
10. I have no direct interest in the property reported on, or the company worked for.

DATE:

Oct 17, 97
Timmins, ON


R. J. Daigle

Apex MaxMin I-9

The MaxMin I ground Horizontal Loop ElectroMagnetic (HLEM) systems are designed for mineral & water exploration and for geoenvironmental applications. They expand the highly popular MaxMin II and III EM system concepts. The frequency range (in Hz) is extended to seven octaves from four. The ranges and numbers of coil separations are increased and new operating modes are added. The receiver can also be used independently for measurements with power line sources. The advanced spheric and powerline noise rejection is further improved, resulting in faster and more accurate surveys, particularly at large coil separations. Several receivers may be operated along a single reference scale. Mating plug in data acquisition computer is available for use with MaxMin I for automatic digital acquisition and processing. The computer specifications are in separate data sheets.

Specifications

- *Frequencies 110, 220, 440, 880, 1760, 3520, 7040, 14080 Hz plus 50/60Hz powerline frequency (receiver only).
- *Modes MAX1: HL mode, Tx & Rx coil planes horizontal and coplanar.
MAX2: V coplanar loop mode, Tx & Rx coil planes V & coplanar
MAX3: V coaxial loop mode, Tx & Rx coil planes V & coaxial
MIN1: P loop mode 1 (Tx coil plane H & Rx coil plane V.
MIN2: P loop mode 2 (Tx coil plane V & Rx coil plane H.
- *Coil Separation 12.5, 25, 50, 75, 100, 125, 150, 200, 300, 400 meters standard.
10, 20, 40, 60, 80, 100, 120, 160, 200, 240, 320 m, internal option
50, 100, 200, 300, 400, 500, 600, 800, 1000, 1200, 1600ft internal opt
- *Parameters IP and Q components of the secondary magnetic field, in %
Measure of primary (Tx) fld. Fld amplitude and/or tilt of PL fld. *Readouts
Analog direct readouts on edgewise panel meters for IP, Q
and tilt, and for 50/60Hz amplitude. Additional digital
readouts when using the DAC, for which interfacing and
controls are provided for plug-in.
- *Range of Analog IP and Q scales; 0 \pm 20%, 0 \pm 2-%, 0 Readouts \pm 100%,
switch activated. Analogue tilt scale 0 \pm 75% grade
(digital IP & Q 0 \pm 102.4%).
- *Readability Analogue IP and Q 0.05% to 0.5%, analogue tilt 1% grade
(digital IP & Q 0.1%).
- *Repeatability \pm 0.05% to \pm 1% normally, depending on frequency, coil
spacing & conditions.
- *Signal Powerline comb filter, continuous spherics noise clipping,
Filtering autoadjusting time constants and other filtering.
- *Warning Lights Rx signal and reference warning lights to indicate
potential errors.
- *Survey Depth From surface down to 1.5 times coil separation used.
- *Transmitter 110Hz: 220atm 220Hz: 215atm 440Hz: 210atm 880Hz: 200atm
Dipole moments 1760Hz: 160atm 3520Hz: 80atm 7040Hz: 40atm 14080Hz: 20atm
- *Reference Cable Light weight unshielded 4/2 conductor teflon cable for
maximum temperature range and for minimum friction.
- *Intercom Voice communication link via reference cable.
- *Rx Power Supply Four standard 9V batt (0.5Ah, alk). Life 30 hrs continuous
duty, less in cold weather. Rechargeable batt optional.
- *Tx Power Supply Rechargeable sealed gel type lead acid 12V-13Ahr batt (4x
6V-6 $\frac{1}{2}$ Ah) in canvas belt. Opt 12V-8Ahr light duty belt pack.
- *Tx Battery For 110-120/220-240VAC, 50/60/400 Hz and 12-15VDC supply
Charger operation, automatic float charge mode, three charge status
indicator lights. Output 14.4V-1.25A nominal.
- *Operating Temp -40°C to +60°C
- *Rx weight 8 kg *Tx weight 16 kg with standard batt.

IP=In-Phase/ Q=Quadrature/ H= Horizontal/ V= Vertical/ PL= Powerline

HLEM Theory

The MaxMin I is a frequency domain, horizontal loop electromagnetic (HLEM) system, based on measuring the response of conductors to a transmitted, time varying electromagnetic field. The transmitted, or primary EM field is a sinusoidally varying field at any of the eight varying frequencies. This field induces an electromotive force (emf), or voltage, in any conductor through which the field passes (defined by Faraday's Law). The emf causes a secondary current to flow in the conductor in turn generating a secondary electromagnetic field. This changing secondary field induces an emf in the receiver coil (by Faraday's Law) at the same frequency, but which differs from the primary field in magnitude and phase. The difference in phase (phase angle) is a function of the conductance of the conductor(s), both the target and the overburden, and host rock. The magnitude of the secondary field is dependant on the conductance, dimension, depth, geometry as well as on the interference from the overburden and host rock. The two parameters, phase angle and magnitude are measured by measuring the strength of the secondary field in two components; the real field, **In-phase** with the primary field, and the imaginary field, **Quadrature** or 90° out-of-phase from the primary field. The magnitude and phase angle of the response is also a function of the frequency of the primary field. A higher frequency field generates a stronger response to weaker conductors. A low frequency tends to pass through weak conductors and penetrate to a deeper depth. The lower frequency also tends to energize the full thickness of a conductor, and give better measure of it's true conductivity-thickness " α ", in mho's per meter. For these reasons, two or more frequencies are usually used. A lower frequency for better penetration and a higher frequency for stronger response to weaker conductors. The transmitted primary field also creates an emf in the receiver coil, which is much stronger than that of the secondary and must be corrected for by the receiver. This is done by electronically creating an emf in the receiver, whose magnitude is determined by the distance between the transmitter and receiver. The phase is derived from the receiver via an interconnecting cable.

Method

The MaxMin I is a two-man continuously portable EM system. Designed to measure both the vertical and horizontal In-Phase (IP) and Quadrature (QP) components of the anomalous field from electrically conductive zones. The plane of the Transmitter (Tx) was kept parallel to the mean slope between the TX and Receiver (Rx) at all times. This ensures a horizontal loop system measuring perpendicular to the anomalous targets. The grid being surveyed should also be secant chained in order to keep a constant separation (between Tx and Rx) to eliminate anomalous response derived from cable loss over rough terrain. Crews attempted to keep a constant separation for a qualitative survey. Three frequencies; 440Hz, 1760Hz, and 3520Hz were selected to resolve complex conductors if/when encountered. The 200 meter coil spacing, chosen to detect possible deep conductors also ensures a more consistent survey overall (a large spread gives better penetration over areas of conductive layers, eg. clay). The crews read the cross-lines only to cut the geology at a perpendicular angle for better cross-over response.

GEM Systems Advanced Magnetometers V 4.0

GSM-19

GEM Systems Inc
52 West Beaver Creek Road, Unit 14
Richmond Hill, Ontario
Canada, L4B-1L9

Phone; (905) 764- 8008
Fax ; (905) 764- 9329

1.0 Instrument Description

The sensor is a dual coil type designed to reduce noise and improve gradient tolerance. The coils are electrostatically shielded and contain a proton rich liquid in a pyrex bottle, which also acts as an RF resonator. The sensor cable is coaxial, typically RG-58/U, up to 100m long.

The staff is made of strong aluminum tubing sections. This construction allows for a selection of sensor elevations above the ground during surveys. For best precision the full staff length should be used. Recommended sensor separation in gradiometer mode is one staff section, although two or three section separations are sometimes used for maximum sensitivity.

The console contains all the electronic circuitry. It has a sixteen key keyboard, a 4x20 character alphanumeric display, and sensor and power input/output connectors. The keyboard also serves as an ON-OFF switch.

The power input/output connector also serves as a RS232 input/output and optionally as analog output and contact closure triggering input.

The keyboard front panel, and connectors are sealed (can operate under rainy conditions)

The charger has two levels of charging, full and trickle, switching automatically from one to another. Input is normally 110V 50/60Hz. Optionally, 12V DC can be provided.

The all-metal housing of the console guarantees excellent EM protection.

2.0 Instrument Specifications

Resolution	0.01 nT, magnetic field and gradient	
Accuracy	0.20 nT over operating range	
Range	20,000 to 120,000 nT automatic tuning, requiring initial	setup
Gradient Tolerance	over 10,000 nT/m	
Operating Interval	3 seconds minimum, faster optional. Reading initiated	from keyboard,
external trigger, or	carriage return via RS-232	
Input/Output	6 pin weatherproof connectors	
Power Requirements	12V, 200mA peak, 30mA standby, 300mA peak with Gradiometer	
Power Source	Internal 12V, 1.9Ah sealed lead-acid battery standard,	external source
	optional.	
Battery Charger	Input; 110/ 220VAC, 50/60Hz and/or 12VDC	
	Output; 12V dual level charging	
Operating Ranges	Temperatures; -40°C to +60°C	
	Battery Voltages; 10.0 V min to 15.0V max	
	Humidity; up to 90% relative, non condensing	
Storage Temperature	-50°C to +65°C	
Dimensions	Console; 223 X 69 X 240 cm	
	Sensor Staff; 4 x 450mm sections	
	Sensor; 170 x 71 mm diameter	
	Weight; Console 2.1Kg Staff 0.9Kg Sensors; 1.1Kg	

Magnetic Survey

Theory;

The magnetic method is based on measuring alteration in the shape and magnitude of the earth's naturally occurring magnetic field caused by changes in the magnetization of the rocks in the earth. These changes in magnetization are due mainly to the presence of the magnetic minerals, of which the most common is magnetite, and to a lesser extent ilmenite, pyrrhotite, and some less common minerals. Magnetic anomalies in the earth's field are caused by changes in two types of magnetization; (1) Induced, caused by the magnetic field being altered and enhanced by increases in the magnetic susceptibility of the rocks, which is a function of the concentration of the magnetic minerals. (2) Remanent magnetism is independent of the earth's magnetic field, and is the permanent magnetization of the magnetic particles (magnetite, etc..) in the rocks. This is created when these particles orient themselves parallel to the ambient field when cooling. This magnetization may not be in the same direction as the present earth's field, due to changes in the orientation of the rock or the field. The **unit** of measurement (variations in intensity) is commonly known as the Gamma which is equivalent to the nanotesla (nT).

Method;

The magnetometer, **GSM-19** with an Overhauser sensor measures the **Total Magnetic Field (TFM)** perpendicular to the earth's field (horizontal position in the polar region). The unit has no moving parts, produces an absolute and relatively high resolution measurement of the field and displays the measurement on a digital lighted display and is recorded (to memory). Initially, the tuning of the instrument should agree with the nominal value of the magnetic field for each particular area. The Overhauser procession magnetometer collected the data with a **0.2 nanoTesla accuracy**. The operator read each and every line at a **12.5 m interval** with the sensor attached to the top of three (56cm) aluminum tubing sections. The readings were corrected for changes in the earth's magnetic field (diurnal drift) with a similar GSM-19 magnetometer, >>base station<< which automatically read and stored the readings at every 30 seconds. The data from both units was then downloaded to PC and base corrected values were computed.



Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use) 69760.00453 Assessment Files Research Imaging

Personal information collected on this form is obtained under the authority of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, the information is a ... Questions about this collectic 933 Ramsey Lake Road, Sudb



900 'm 0240.

Instructions: - For worl - Please l

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

Name: CAMBOR INC. Client Number: 114783 Address: 1075 3e AVENUE Telephone Number: (819) 825-0211 VAL D'OR QUEBEC J9P 6M1 Fax Number: (819) 825-0342 RECEIVED OCT 17 1997 GEOSCIENCE ASSESSMENT OFFICE

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

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

Work Type: GEOPHYSICAL SURVEYS (HLEM, MAG) Office Use: Total \$ Value of Work Claimed: 5,250 Dates Work Performed: From 25/09/97 To 03/10/97 Mining Division: Porcupine Resident Geologist District: Timmins

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: RICHARD DAIGLE - GEOSERVE CANADA INC. Telephone Number: (705) 235-8661 Address: P.O. Box 1525, S. PORCUPINE, ONT. P0N1H0 Fax Number: (705) 235-8038 RECEIVED OCT 16 1997 3:15 PM PORCUPINE MINING DIVISION

4. Certification by Recorded Holder or Agent

I, CHRISTINE PETZEL, 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: C. Petzel Date: Oct. 16, 1997 Agent's Address: P.O. Box 1140, 571 MONETA AVE Telephone Number: (705) 267-1188 Fax Number: (705) 264-6080

Named Jan. 24/98

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.

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.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
1 1153105	1	240 ✓	-	0	240
2 1152990	1	240 ✓	-	0	240
3 1152991	1	240 ✓	-	0	240
4 1153042	1	240 ✓	-	0	240
5 1152994	1	355 ✓	-	0	355
6 1152993	1	240 ✓	-	0	240
7 1152992	1	240 ✓	-	0	240
8 1153043	1	240 ✓	-	0	240
9 1153044	1	240	-	240 ✓	-
10 115-299B	1	355 ✓	-	355	-
11 1152999	1	355 ✓	-	355	-
12 1153000	1	355 ✓	-	355	-
13 1153001	1	240	-	240 ✓	-
14 1153045	1	240	-	240 ✓	-
15 1153046	1	240	-	240 ✓	-
Column Totals		see next sheet		355	

RECEIVED
OCT 17 1997
GEOSCIENCE ASSESSMENT
OFFICE

I, CHRISTINE PETCH (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.

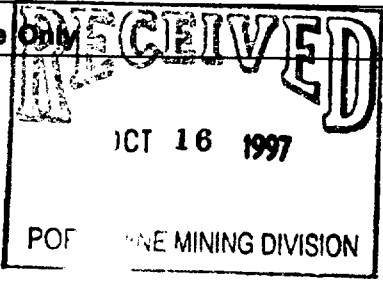
Signature of Recorded Holder or Agent Authorized in Writing: C. Petch Date: OCT. 16, 1997

6. Instructions for cutting back credits that are not approved.

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

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):
P1153048, 1153042, 1152992

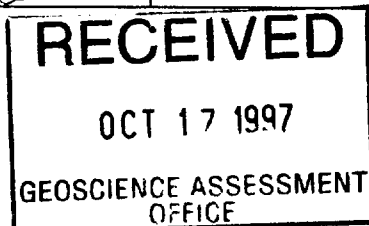
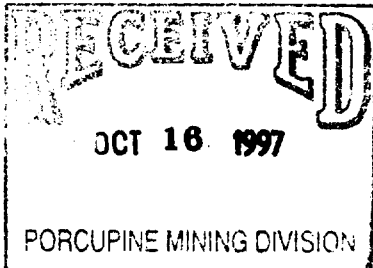
Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

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)	

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.

W9760.00463

	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.
eg	TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg	1234567	12	0	\$24,000	0	0
eg	1234568	2	\$8,892	\$4,000	0	\$4,892
1	1153004	1	355 +	-	355 ✓	-
2	1153003	1	355 +	-	355 ✓	-
3	1153047	1	240	-	240 ✓	-
4	1153002	1	240	-	240 ✓	-
5	1153050	1	0	415 ✓	-	-
6	1153053	1	0	400 ✓	-	-
7	1160470	1	0	400 ✓	-	-
8	1160471	1	0	400 ✓	-	-
9	1160427	1	0	400 ✓	-	-
10	1160428	1	0	400 ✓	-	-
11	1153051	1	0	400 ✓	-	-
12	1153054	1	0	400 ✓	-	-
13						
14						
15						
Column Totals			5250	3215	3215	2035



January 15, 1998

CAMBIOR INC.
1075 THIRD AVENUE EAST
P. O. BOX 9999
VAL D'OR, QUEBEC
J9P-6M1

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

Telephone: (888) 415-9846
Fax: (705) 670-5881

Dear Sir or Madam:

Submission Number: 2.17869

Status

Subject: Transaction Number(s): W9760.00453 **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.

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

Work Report Assessment Results

Submission Number: 2.17869

Date Correspondence Sent: January 15, 1998

Assessor: Bruce Gates

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9760.00453	1153105	TURNBULL	Deemed Approval	January 14, 1998

Section:

14 Geophysical MAG

14 Geophysical EM

Correspondence to:

Resident Geologist
South Porcupine, ON

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

Christine Petch
TIMMINS, ONTARIO

Assessment Files Library
Sudbury, ON

CAMBIOR INC.
VAL D'OR, QUEBEC

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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

Description Order No. Date Disposition File

(R1) THIS TWP SUBJECT TO FOREST ACTIVITY IN 1994/95
FURTHER INFORMATION AVAILABLE ON FILE.

(R2) MINING RIGHTS ONLY WITHDRAWN FROM PROSPECTING
STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE
MINING ACT, R.S.O. 1990 DATED 92-MAY-27 AT 12:03 P.M.
E.S.T. ORDER NO. W-26/92 NEF

(R3) AGGREGATE PERMIT - NOTICE RECEIVED JUNE 16, 1993

(R3) THE MINING AND SURFACE RIGHTS ARE WITHDRAWN
FROM PROSPECTING, STAKING OUT, SALE OR LEASE
UNDER SECTION 35 OF THE MINING ACT, R.S.O. 1990 DATED
JAN. 11, 1996 AT 1016 A.M. ORDER NO. W-P-1/96 NEF.

NOTES

THIS TOWNSHIP LIES WITHIN THE MUNICIPALITY
OF THE CITY OF TIMMINS

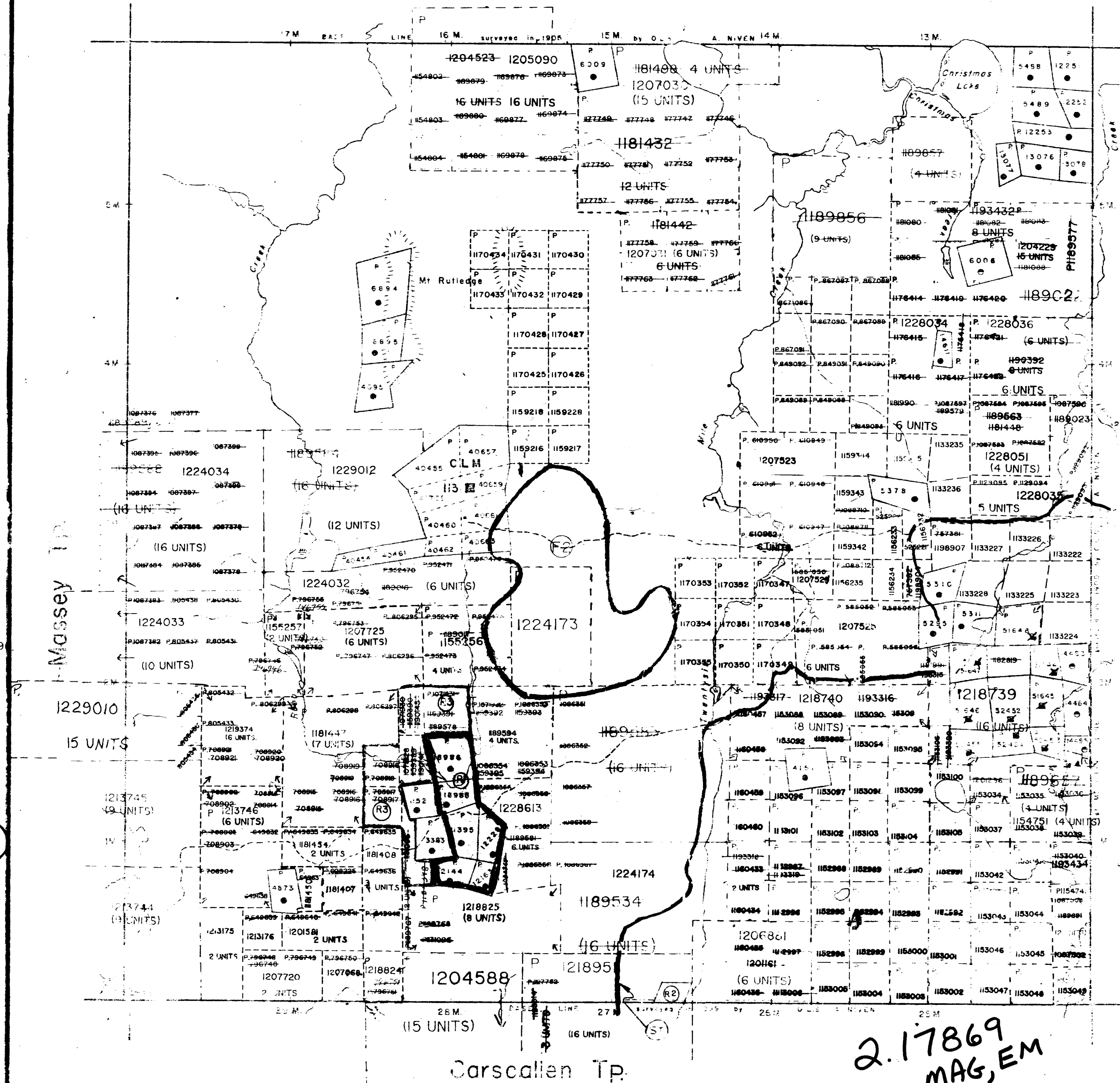
(ST) PROPOSED SNOWMOBILE TRAIL
NOTICE REC'D 93-MAY-20

(R2) THIS TWP SUBJECT TO FOREST ACTIVITY IN 1995-9
FURTHER INFORMATION AVAILABLE ON FILE.

□ - open
June 1/97.
(see Ont. Gazette)

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 CON-
SULT WITH THE MINING RECORDER, MINISTRY OF
NORTHERN DEVELOPMENT AND MINES, FOR AD-
DITIONAL INFORMATION ON THE STATUS OF THE
LANDS SHOWN HEREON

Robb Twp.



LEGEND

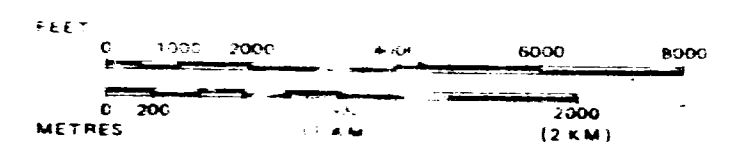
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION 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	⊗

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8
1913 VESTED IN ORIGINAL PATENTEE BY THE PUBLIC
LANDS ACT, R.S.O. 1970 CHAP. 380 SEC. 63 SUBSEC. 1

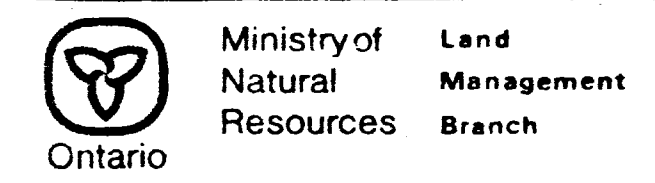
SCALE: 1 INCH = 40 CHAINS



DATE OF ISSUE

JAN 13 1998

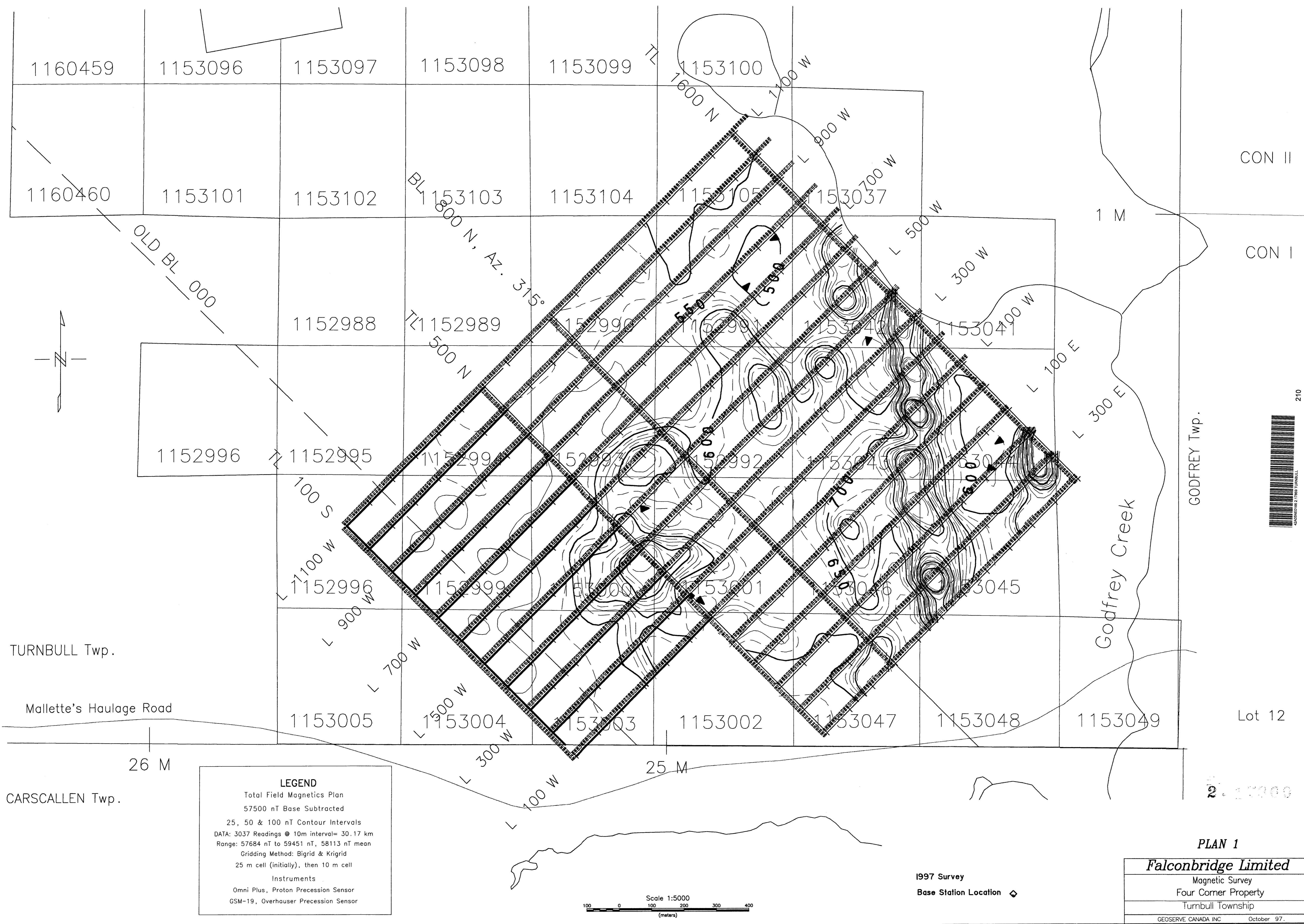
TOWNSHIP
TURNBULL
M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE



Date MARCH, 1985
Number G-3250
ACTIVATED JANUARY 15, 1990

2.17869
MAG, EM

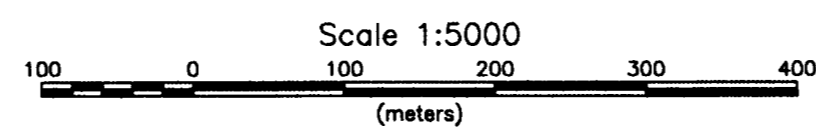




LEGEND

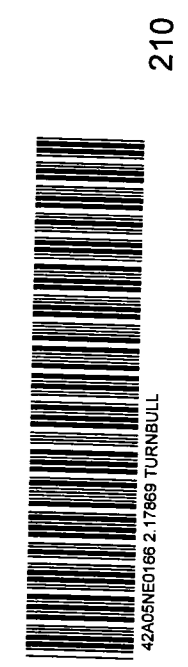
Total Field Magnetism Plan
 57500 nT Base Subtracted
 25, 50 & 100 nT Contour Intervals
 DATA: 3037 Readings @ 10m interval= 30.17 km
 Range: 57684 nT to 59451 nT, 58113 nT mean
 Gridding Method: Bigrid & Krigrd
 25 m cell (initially), then 10 m cell

Instruments
 Omni Plus, Proton Precession Sensor
 GSM-19, Overhauser Precession Sensor



1997 Survey
 Base Station Location \diamond

PLAN 1	
Falconbridge Limited	
Magnetic Survey	
Four Corner Property	
Turnbull Township	
<small>GEOSERVE CANADA INC</small>	<small>October 97.</small>



CON II

CON I

GODFREY Twp.

Lot 12

TURNBULL Twp.

CARSCALLEN Twp.

26 M

25 M

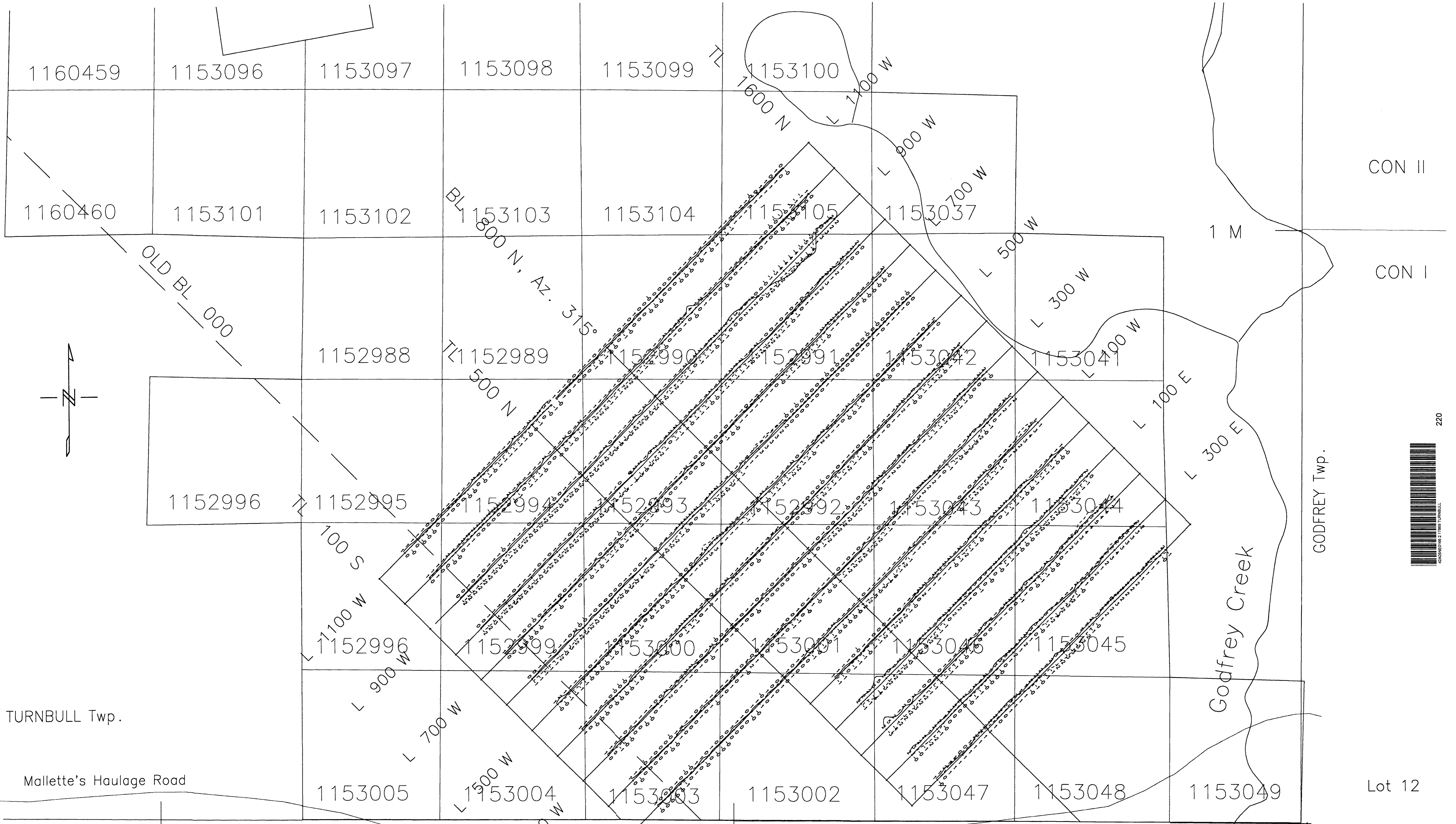
OLD BL 000

BL 1800 N, Az. 315°

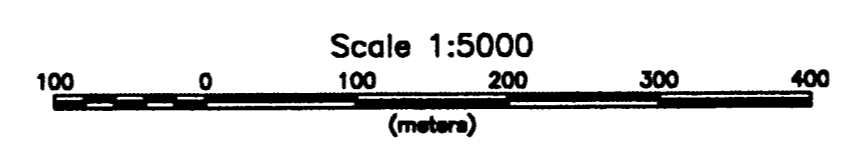
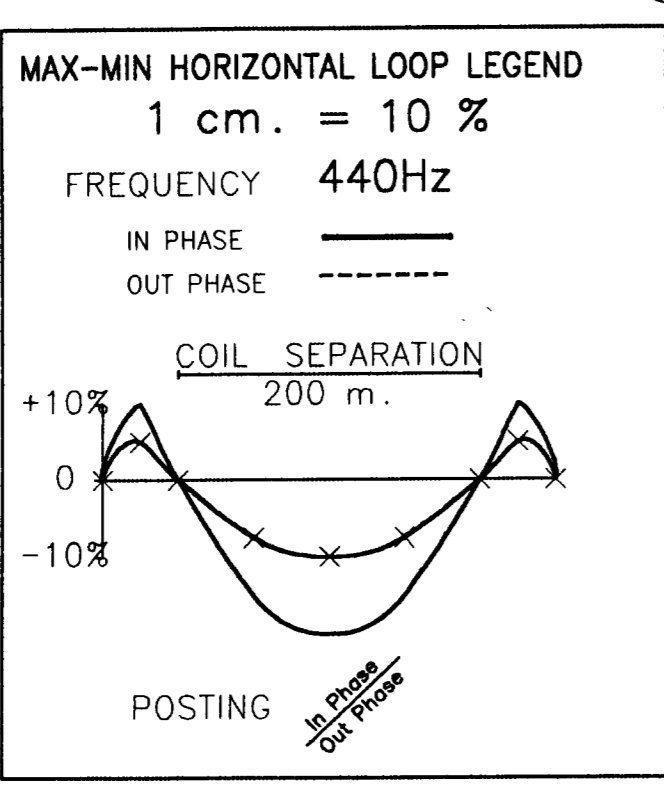
1 M

Godfrey Creek

210



TURNBULL Twp.
 Mallette's Haulage Road
 26 M
 CARSCALLEN Twp.

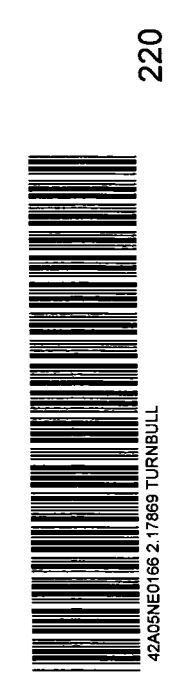


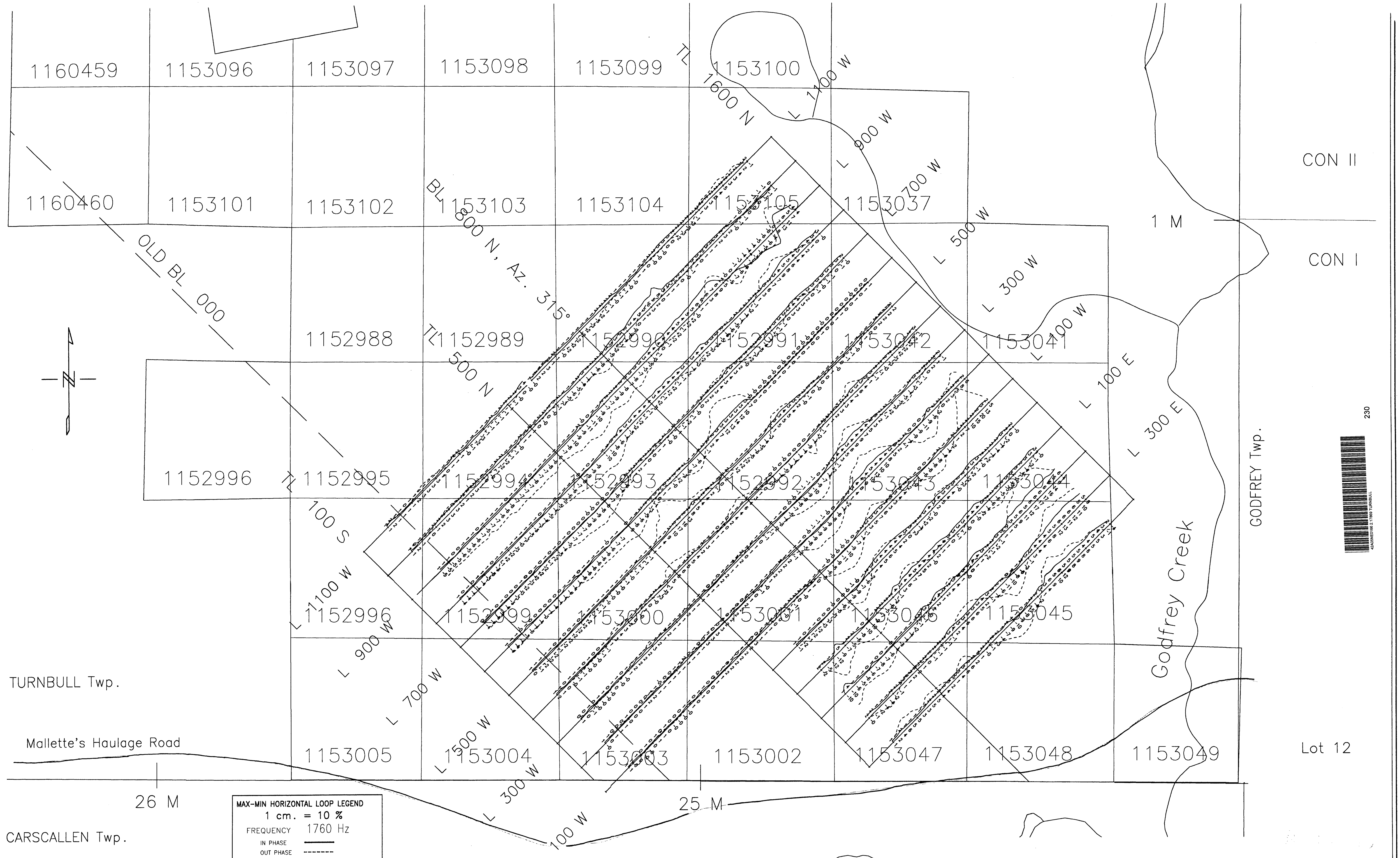
PLAN 2

Falconbridge Limited

HLEM Survey
 Four Corners Property **Turnbull TWP**

GEOSERVE CANADA INC October 97.





1160459

1153096

1153097

1153098

1153099

1153100

1160460

1153101

1153102

BL 1153103

1153104

1153105

1153037

1152988

TK 1152989

1152990

1152991

1153042

1153041

1152996

1152995

1152994

1152993

1152992

1153043

1153044

TURNBULL Twp.

Mallette's Haulage Road

26 M

CARSCALLEN Twp.

25 M

1153005

1153004

1153003

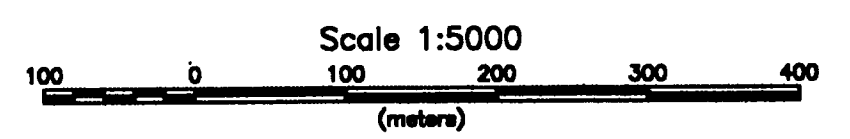
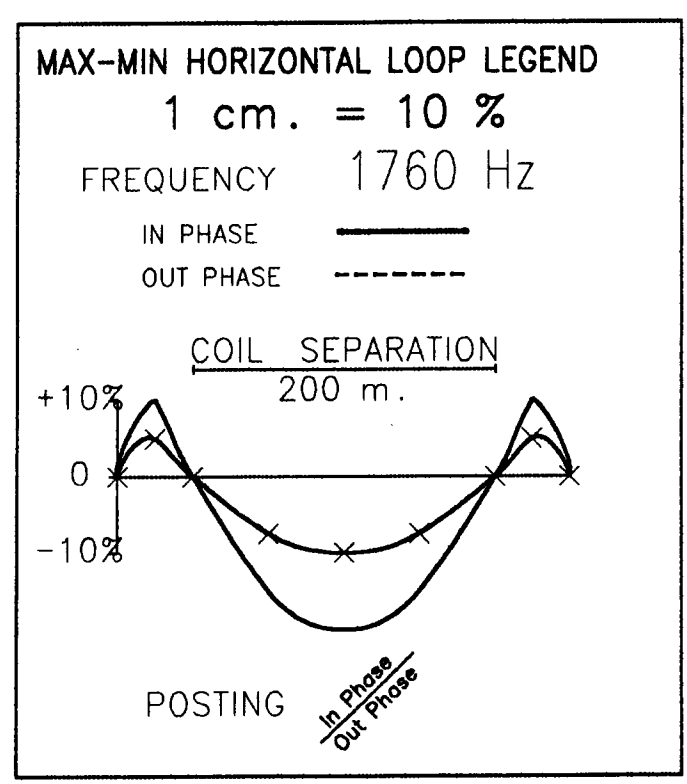
1153002

1153047

1153048

1153049

Lot 12



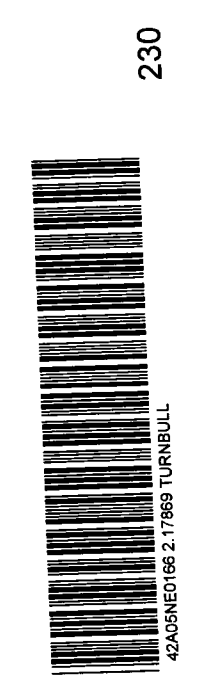
CON II

CON I

1 M

Godfrey Creek

GODFREY Twp.



PLAN 3

Falconbridge Limited
 HLEM Survey
 Four Corners Property Turnbull TWP
 GEOSERVE CANADA INC October 97.