



42A15SW2005 2.18969 MANN

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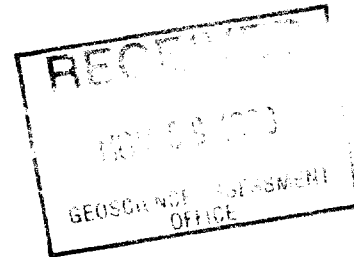
ASSESSMENT REPORT

on the

MAN 96-11 GRID

Mann Township
N ½ Lot 6, Con. II

for



FALCONBRIDGE EXPLORATION LIMITED

Timmins, ON

October 1997

Geoserve Canada Inc.

Richard J Daigle



42A15SW2005 2.18969 MANN

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1.0 SUMMARY

Falconbridge Exploration Ltd., of Timmins, ON, commissioned Geoserve Canada Inc., of South Porcupine, ON to survey their MAN 96-11 Grid. The work comprised of line refurbishing and an 150 m coil spaced HLEM survey covering much of Lot 6, Concession II, Mann Township, District of Cochrane, ON. Falconbridge previously ran a TFM survey in the winter of 1996. The HLEM survey was used in an attempt to better define results of a previous TFM survey. The HLEM survey was successful in delineating multiple bedrock electromagnetic conductors.

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Plans

Plan 1	440Hz,	1:5000 HLEM Survey	Pocket
Plan 2	1760Hz,	1:5000 HLEM Survey	“

(i)

2.0 INTRODUCTION

In September 1997, **Falconbridge Exploration Ltd**, of Timmins, ON, awarded a contract for work on their **Man 96-11 Grid** to **Geoserve Canada Inc.**, of South Porcupine, ON. The work completed by Geoserve Canada Inc., comprises line refurbishing, and a 150m coil spaced HLEM survey over **Man 96-11** which comprises four leased claims numbered 61334-61337, covering the north half of Concession II, Lot 6, Mann Township. Mann Township is accessible by a haulage road which continues westerly from an all season concession road in Newmarket Township. Newmarket Township is approximately 5 km north of Iroquois Falls, ON, along HWY 11. The objective of this exploration is to better define ten anomalies from a previous survey. The property is geologically situated in the Stoughton-Roquemaure Assemblage and is just north of the Bradburn-Coulson shear zone. The general rock types believed to be underlying the property are mainly mafic and felsic volcanics with peridotitic, and/or other basic intrusives. Mann Township has received an abundance of exploration in the past which will be discussed in this report under the heading past exploration. Mr. W. Gilman, consulting geologist from Timmins, ON, assisted the author in preparing this report. Other sources of information used to help assess this property are as follows:

- Erlis Data Set 1004, ODM, 1996
- Geology of Ontario, Special Volume 4, Part 1, 1991
- Assessment Files, Timmins Resident Geologist Office
- P. Map 755, Mann Township, Hunt DS, Richard JA, 1980.

The author had access to the Falconbridge ground TFM survey data to help assess the property.



Scale: 1:600 000

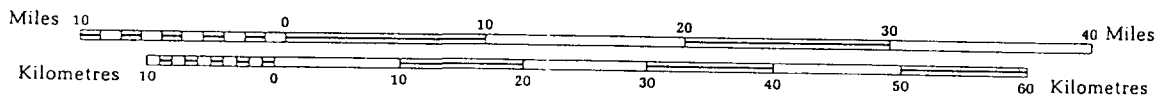


Figure 1

Location Map

3.0 PAST EXPLORATION - MANN TOWNSHIP

In the vicinity of the North ½ Lot 6, Concession II Mann Township, previous work consisted of the following:

Four short (100') holes were drilled at random in Concession II, Lot 5 by L. Berry in 1970. All holes were entirely in gabbro and the brief logs describe very little. It is unclear what criteria were used for drill site selection. A crude print of a geological map shows areas of outcrop but due to the vagaries of the print mechanism it is unclear whether surrounding rock is peridotite or rhyolite.

In the North ½ Lot 5, a Crone VEM was utilized by Amax in conjunction with a ground magnetometer survey after an airborne geophysical survey. These claims were once part of the Jonsmith Property and as such were subjected previously to EM and magnetometer surveys. At least 3 diamond drill holes were drilled previously within the Amax claim group.

The EM anomalies by the Amax survey were not considered interesting enough to pursue further. To the east of their claim 320274, southeast 1/4 of the North ½ Lot 7, Concession II, Jonsmith in 1964, had a major diamond drill program. Base metal mineralization was encountered in graphitic zones in felsic volcanic rocks.

In the 1945 era, Cunigold Syndicate conducted diligent analysis of a magnetometer and geological survey of the south ½ of Lot 6, Concession II. It appears there may have been 12 drill holes but no logs are available.

The most recent work in the proximate area of south central Mann Township, specifically the North ½ of Lot 6, Concession II is that of Falconbridge. Work in Concession II, III, IV and V in separate areas consisted of total field ground magnetometer (ground magnetic) surveys and max min HLEM after airborne surveys and drilling.

In the North ½ of Lot 6, Concession II, 3 holes were drilled by Falconbridge after the mag and HLEM surveys. They encountered tuffaceous argillite, felsic volcanic rocks and ultramafic intrusions. In the south part of the North ½ of Lot 6, Concession II, a 164 meter hole yielded mafic intrusive, felsic volcanic rocks, tuffaceous sediments, argillite and ultramafics. In the same claim a 161 meter hole intersected graphitic argillite, ultramafic and mafic rocks. In the North ½ Lot 6, Concession II, a 179 meter hole is in mafic rock.

In summary, Mann Township has had a vast quantity of exploratory work most recently by Falconbridge Ltd intermittently over 50 years by various companies.

4.0 1997 WORK

4.1 Line Refurbishing

M. Pilon and crews, from Timmins, ON, refurbished the original survey lines from **September 14 to September 16, 1997**. Crews refurbished a total of 8.8 km of a previously cut grid, which was done in winter 1996, by Falconbridge Ltd. The 1997 lines comprise nine (9), north-south 800 meter lines and two 800 m east- west lines labeled Baseline 0+00, and tie-line 800N on grid Mann 96-11. Crews reestablished the preexisting pickets at 25 meter intervals.

4.2 HLEM Survey Procedure

Mr. T., McAllister, and D. Crowley, of Timmins, ON, read the HLEM survey from **September 24 to September 25, 1997**. Crews used the Max-Min I-9, in conjunction with the MMC data logger to read nine 800 m north-south traverses. The HLEM survey was configured using the 150 m coil spacing, reading both In-Phase, and Out-Of-Phase components on 440Hz and 1760Hz, selected by Falconbridge. Crews read stations at a 25 meter interval.

The data for the 440Hz and 1750 Hz HLEM survey are presented on two Plan Maps, 1 and 2 respectively, found in Appendix A. The 1:5000 plans with a profile scale of 1cm=10%.

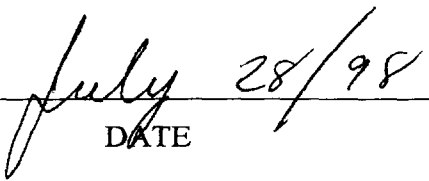
4.3 HLEM Survey Results

Anomaly classification for the two frequencies read can be found on the Plan Maps 1 and 2. The anomalies are interpreted to be legitimate bedrock electromagnetic conductors. Anomaly B is believed to be the most influenced by geological noise. The delineated trend does not have any substantial width; therefore, a possible source to the anomaly is perhaps an underlying fault. The classifications have been taken at the same points for both frequencies. It would appear that the source responds better at the highest frequency. This can perhaps be explained by a source pinching with depth. Both frequencies delineate a trend (anomaly A) which flanks the north side of a previously surveyed magnetic high trend. This suggests that the electromagnetic conductor follows the trend of a geological contact; possibly graphite.

5.0 CONCLUSION

The author recommends location Line 1200E at station 350N as a site for possible future exploration.

Respectfully Submitted;


DATE


RICHARD DAIGLE


6.0 CERTIFICATION

I Richard J Daigle residing at 900 Government Road, 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. I accomplished geophysical contracts (IP, HLEM, TFM, SP) and property assessments in Eastern Canada, 1987 to 1992.
6. I accomplished geophysical contracts in northeastern ON, 1985-87.
7. I was employed as a Geophysicist Assistant/Senior Technician for Kidd Creek Mines under the supervision of Mr. D. Londry, 1981-85.
8. I experienced Max-Min (HLEM) surveys/interpretations under the supervision of Mr. J. Betz, 1979-81.
9. I received an Electronic Technologist Certificate in 1979.
10. I have no direct interest in the property reported on, or the company worked for.

DATE:

July 28/98
Timmins, ON


R. J. Daigle

Equipment Specifications & Survey Theory

Apex MaxMin I-9 Description

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-6½Ah) 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.



Declaration of Assessment Work Performed on Mining Land

Transaction Number (office use)

12980-02340
Assessment Files Research Imaging

tion 65(2) and 66(3), R.S.O. 1990



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900

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

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

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

Table with 2 columns: Name, Address, Client Number, Telephone Number, Fax Number. Entry for FALCONBRIDGE LIMITED.

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

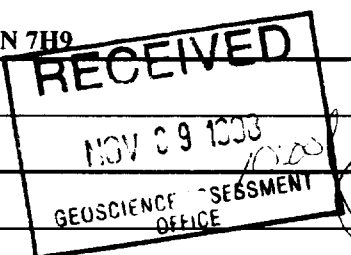
Geotechnical: prospecting, surveys, assays and work under section 18 (regs) [X] Physical: drilling stripping, trenching and associated assays [] Rehabilitation []

Work Type: Horizontal Loop EM Survey; Line Cutting; 8.8km. Office Use: [] Commodity: [] Total \$ Value of Work Claimed: 3500. Dates Work Performed: 14/09/1997 to 25/09/1997. Mining Division: Timmins. 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)

Table with 2 columns: Name, Address, Telephone Number, Fax Number. Entry for Robert Foy.



... Declaration by Recorded Holder or Agent

I, Robert Foy, 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: [Signature] Date: November 2, 1998. Agent's Address: PO Box 1140, Timmins, Ontario, P4N 7H9. Telephone Number: (705) 267-1188 ext. 243. Fax Number: (705) 267-6080.

Decided Feb. 07/1999

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.

W 9560 00840

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
1 61334	16 ha	\$950		\$950	\$0
2 61335	16 ha	\$950		\$950	\$0
3 61336	16 ha	\$950		\$950	\$0
4 61337	16 ha	\$950		\$950	\$0
5 1201902	8		\$266		
6 1200938	8		\$3534		
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
Column Totals	16	\$3800	\$3800	\$3800	\$0

I, Robert Foy, 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

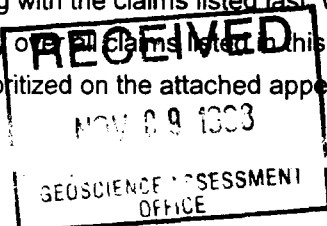
R. Foy

Date **November 2, 1998**

6. **Instruction for cutting back credits that are not approved.**

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

- 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 on all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):



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

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)		



W9860 00840

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Table with 4 columns: Work Type, Units of work, Cost Per Unit of work, Total Cost. Rows include Line Cutting, Horizontal Loop EM Survey, sub-total, Associated Costs, Geophysicist Interpretation, Geologist Survey Planning, Supervision, Transportation Costs, Food and Lodging Costs, and Total Value of Assessment Work.

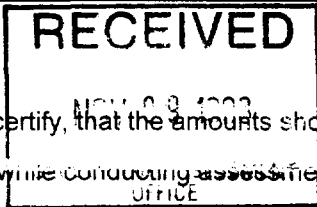
Calculations of Filing Discounts:

- 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, Robert Foy, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as Agent (Project Geologist, Falconbridge Limited) I am authorized to make this certification.

Signature: [Handwritten Signature] Date: November 2, 1998

December 30, 1998

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

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

Telephone: (888) 415-9846
Fax: (877) 670-1555

Dear Sir or Madam:

Submission Number: 2.18969

Status

Subject: Transaction Number(s): W9860.00840 Deemed Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at lucille.jerome@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,



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

Work Report Assessment Results

Submission Number: 2.18969

Date Correspondence Sent: December 30, 1998

Assessor: Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9860.00840	6000086	MANN	Deemed Approval	December 30, 1998

Section:
14 Geophysical EM

Correspondence to:
Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

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

FALCONBRIDGE LIMITED
TORONTO, ONTARIO

C-3531

AREAS WITHDRAWN FROM DISPOSITION

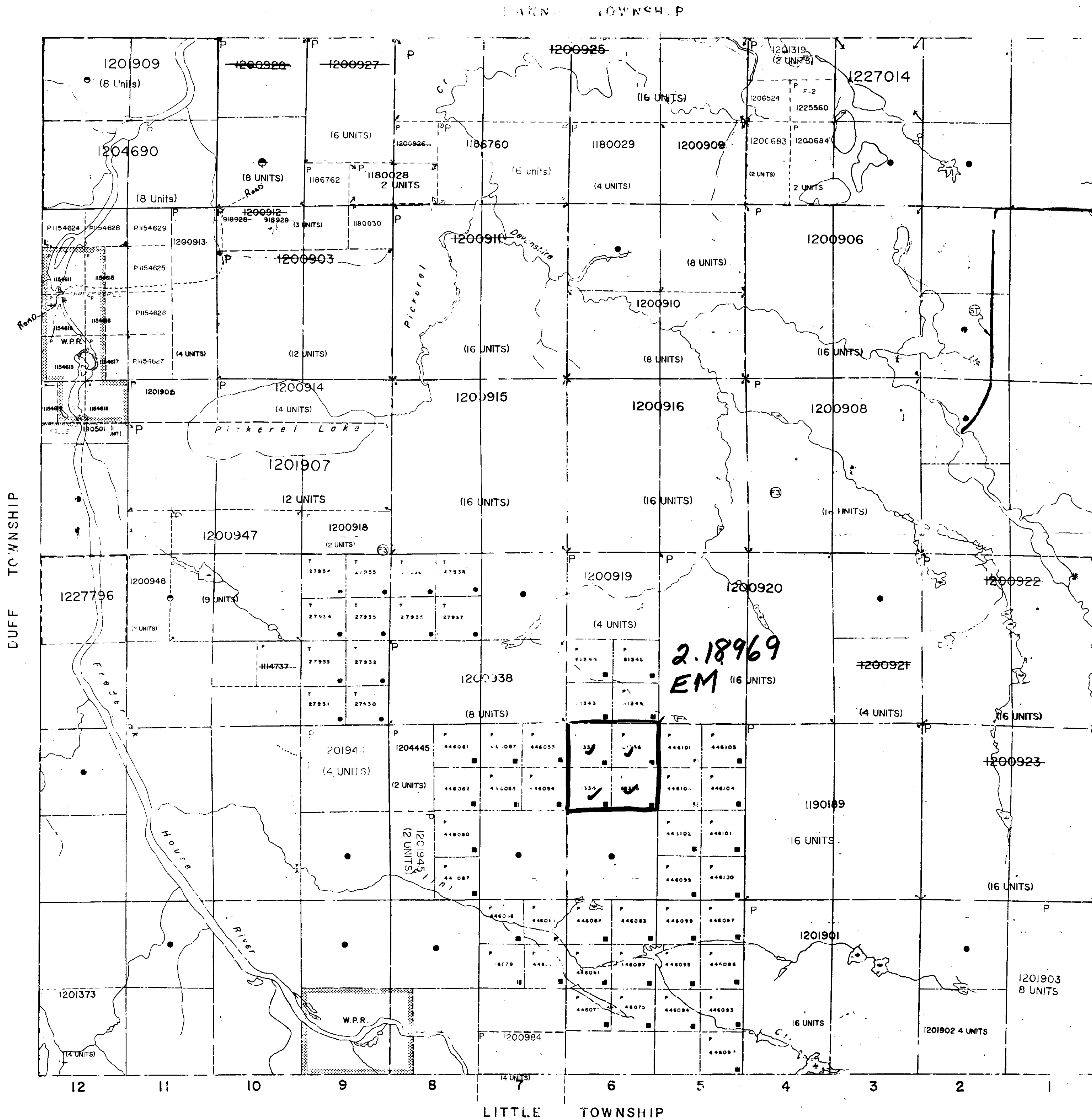
M.R.O. - MINING RIGHTS ONLY
S.R.O. - SURFACE RIGHTS ONLY
M.S. - MINING AND SURFACE RIGHTS
Order No. Date Disposition File

W.P.R. Water Power Reserve

W.D. 87/87

SURFACE AND MINING RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 36 OF THE MINING ACT, R.S.O. 1980, EFFECTIVE 30-SEP-88 AT 7AM E.S.T. ORDER NO. C-3/90 IN DATED 30-AUG-22.

NOTE: P1125837 PLOTTED IN ERROR, S/B P114737.

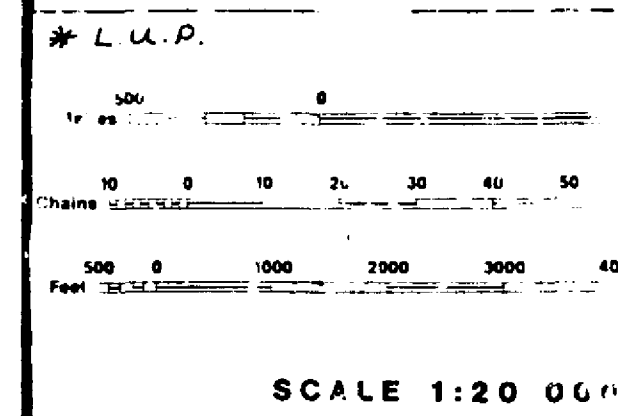


LEGEND

- HIGHWAY ROUTE No.
- TRAIL
- UNIMPROVED LINES
- TOVNSHIP, BASE LINE, ETC.
- MINING CLAIMS, ETC.
- MINING RIGHTS
- PARCEL RIGHTS
- MINING CLAIMS, ETC.
- RAILWAY RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL CHANNEL
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR CONVEYANCE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- REVERSE MONUMENT

DISPOSITION OF CROWN LANDS

- TYPE OF DOCUMENT
 - 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
 - LAND USE PERMIT
- NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO 1913, VESTED IN ORIGINAL PATENTEE BY THE MINING ACT, R.S.O. 1970, CHAP. 360, SEC. 6(1) & (2).



SNOWMOBILE TRAIL (LAND USE PERMIT) NOTICE RECEIVED 92-DEC-09

DATE OF ISSUE
JAN 12 1998
PROVINCIAL RECORDING OFFICE - SUDBURY

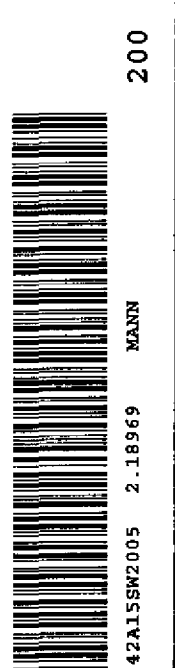
Received Sept 24/86
TOWNSHIP
MANN
M.N.R. ADMINISTRATIVE DISTRICT
COCHRANE
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE

Ministry of Natural Resources Ontario
Ministry of Northern Development and Mines

Date: SEPTEMBER, 1996
Sheet: G-3537

MANN M.S.

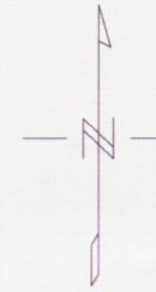
MANN M.S.



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.

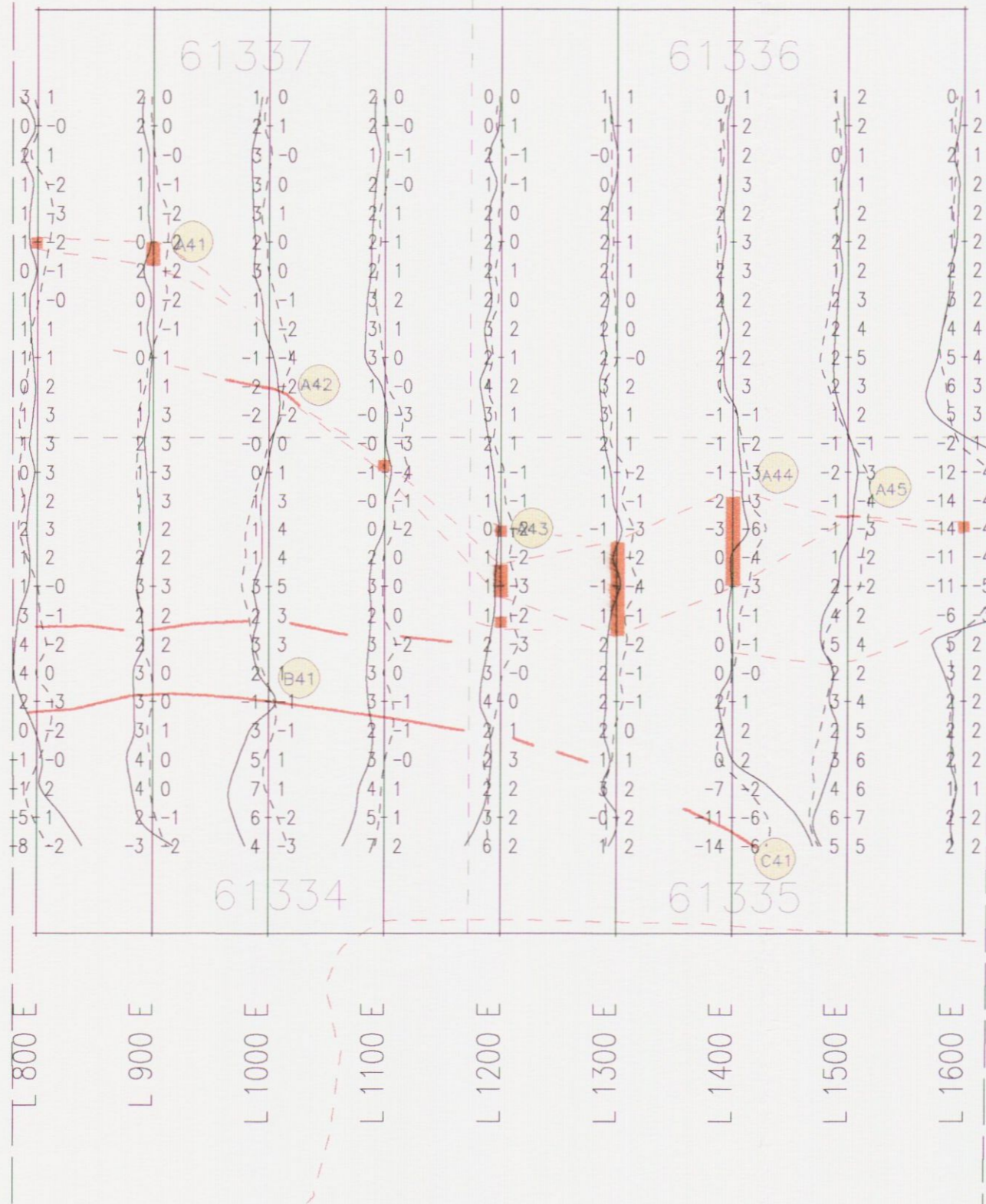
CON III

LOT 6



CON II

TL 800 N



MAX-MIN HORIZONTAL LOOP LEGEND
 1cm = 10%
 FREQUENCY 440 Hz
 COIL SEPARATION 150m

IN PHASE (solid line)
 OUT PHASE (dashed line)

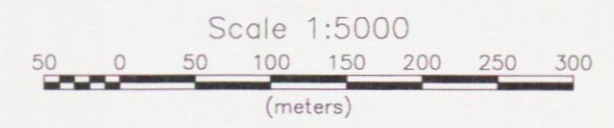
POSTING
 IN PHASE | OUT PHASE

Data: 243 plot points
 Average In-Phase 1.12%, Out-of-Phase +0.38%

2.18969

ANOMALY CLASSIFICATION

ANOMALY	CONDUCTIVITY	DEPTH
A41	36mho's	96m
A42	46mho's	90m
A43	76mho's	96m
A44	15mho's	75m
A45	3mho's	82m
A46	6mho's	12m
B41	10mho's	60m
C41	6mho's	12m



PLAN 1

Falconbridge Limited

HLEM Survey
 Mann96-11 Project

Mann Township Porcupine Mining Division
 OBM: 49005400, 49005410, 50005400, 50005410

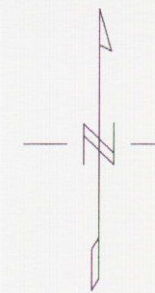
GEOSERVE CANADA INC September 97.

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42A15SW2005 2.18969 MANN

LOT 6

CON III

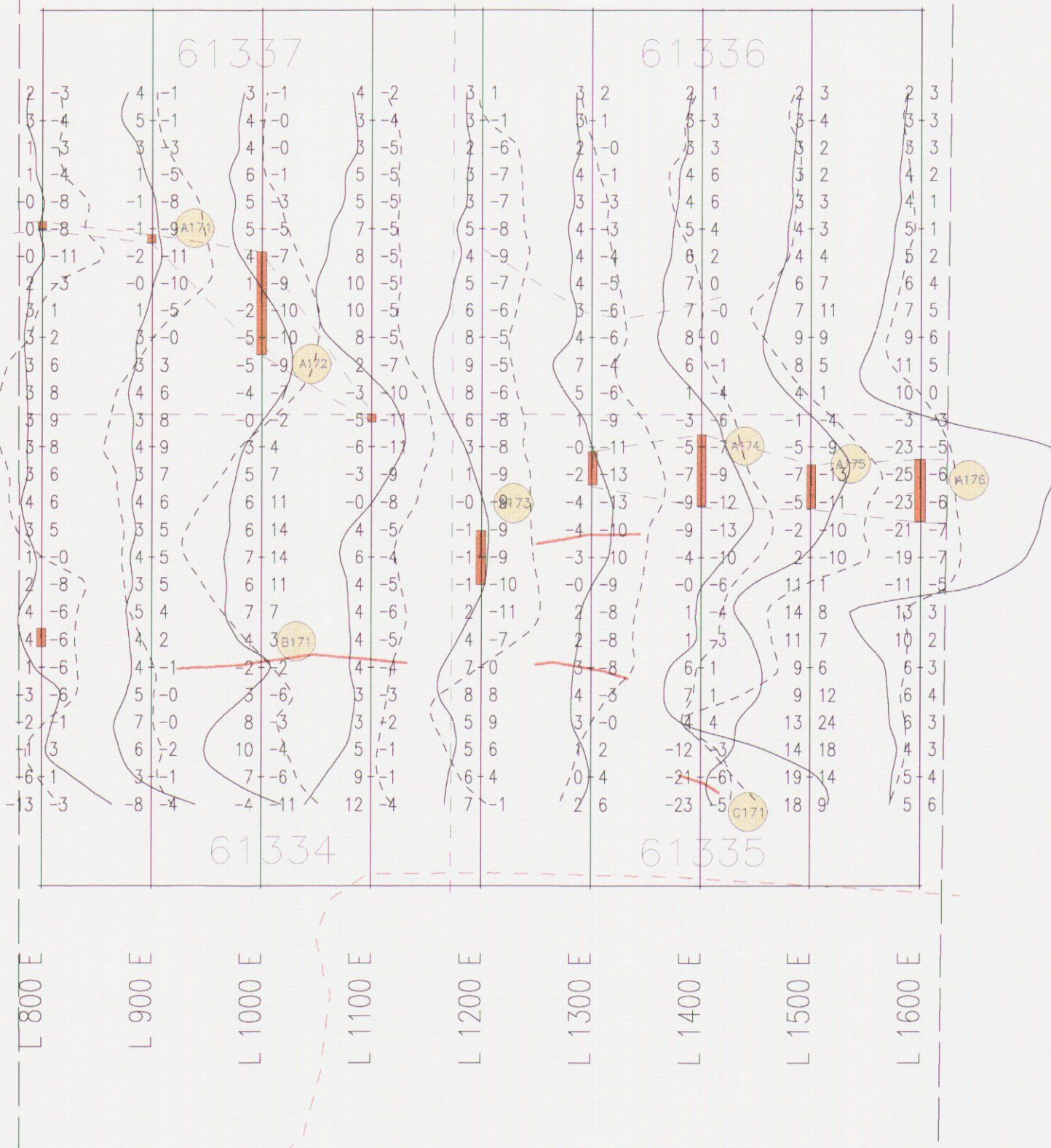


CON II

TL 800 N

400N

BASELINE

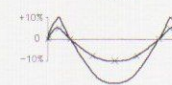


MAX-MIN HORIZONTAL LOOP LEGEND

1cm = 10%

FREQUENCY 1760Hz

COIL SEPARATION 150m



IN PHASE

OUT PHASE

POSTING

IN PHASE | OUT PHASE

Data: 243 plot points

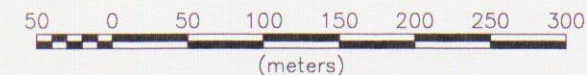
Average In-Phase +2.4%, Out-of-Phase -1.6%

2.18969

ANOMALY CLASSIFICATION

ANOMALY	CONDUCTIVITY	DEPTH
A171	9.6mho's	57m
A172	4.7mho's	46m
A173	9.6mho's	57m
A174	7.2mho's	46m
A175	3.8mho's	36m
A176	1.4mho's	12m
B171	2.3mho's	57m
C171	1.4mhos's	9m

Scale 1:5000



PLAN 2

Falconbridge Limited

HLEM Survey
Mann96-11 Project

Mann Township Porcupine Mining Division
OBM: 49005400, 49005410, 50005400, 50005410

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MANN

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