



42A06NE8406 2.6788 DELORO

010

R E P O R T
 O N
 PROTON MAGNETOMETER & VLF (RADEM) SURVEYS
 F O R
 PUISSANCE CORPORATION
 DELORO TOWNSHIP
 PORCUPINE MINING DISTRICT
 NORTHEASTERN ONTARIO

Timmins, Ontario
 May, 1984

J.C. Grant
 John C. Grant CEF
 Exsics Exploration Ltd.

RECEIVED
 MAY 26 1984
 MINING DIVISION



42A06NE8406 2.6788 DELORO

010C

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INTRODUCTION

This report will deal with the results of a VLF (Radem) survey and Proton Magnetometer survey completed on 13 claims in Deloro Township, Porcupine Mining District. The surveys were conducted by Exsics Exploration Limited for Puissance Resources Limited.

Survey coverage was completed on the entire 13 claim block, listed below, all of which are located in Deloro township (see grid sketch Figure 3).

P758009	ME54
P758010	ME20
P758011	ME21
P758012	ME22
	ME29
	ME30
	ME31
	ME23

The grid plans showing two directional dip angle and field strength of the VLF and the contoured magnetometer results are presented with this report, in the back pocket.

LOCATION AND ACCESS

The 1 claim block of Puissance Resources is located 6 miles southeast of the city of Timmins, in the northeast section of Deloro township. The closest reference would be the Buffalo Ankerite mine which is 2.5 miles northwest of the grid.

Access to the property was by truck, southeast from the city along the back road to South Porcupine. Travelling approximately 3.5 miles along this back road will bring you to the Buffalo Ankerite mine site. Turning south, into the Buffalo Ankerite property and travelling through the small townsite, for approximately 1.5 miles will bring you to the junction of a second road branching out to the east. Skidoo access, along this easterly route, will bring you to L 1200 feet east 0+00 (see figure 1 and 2).

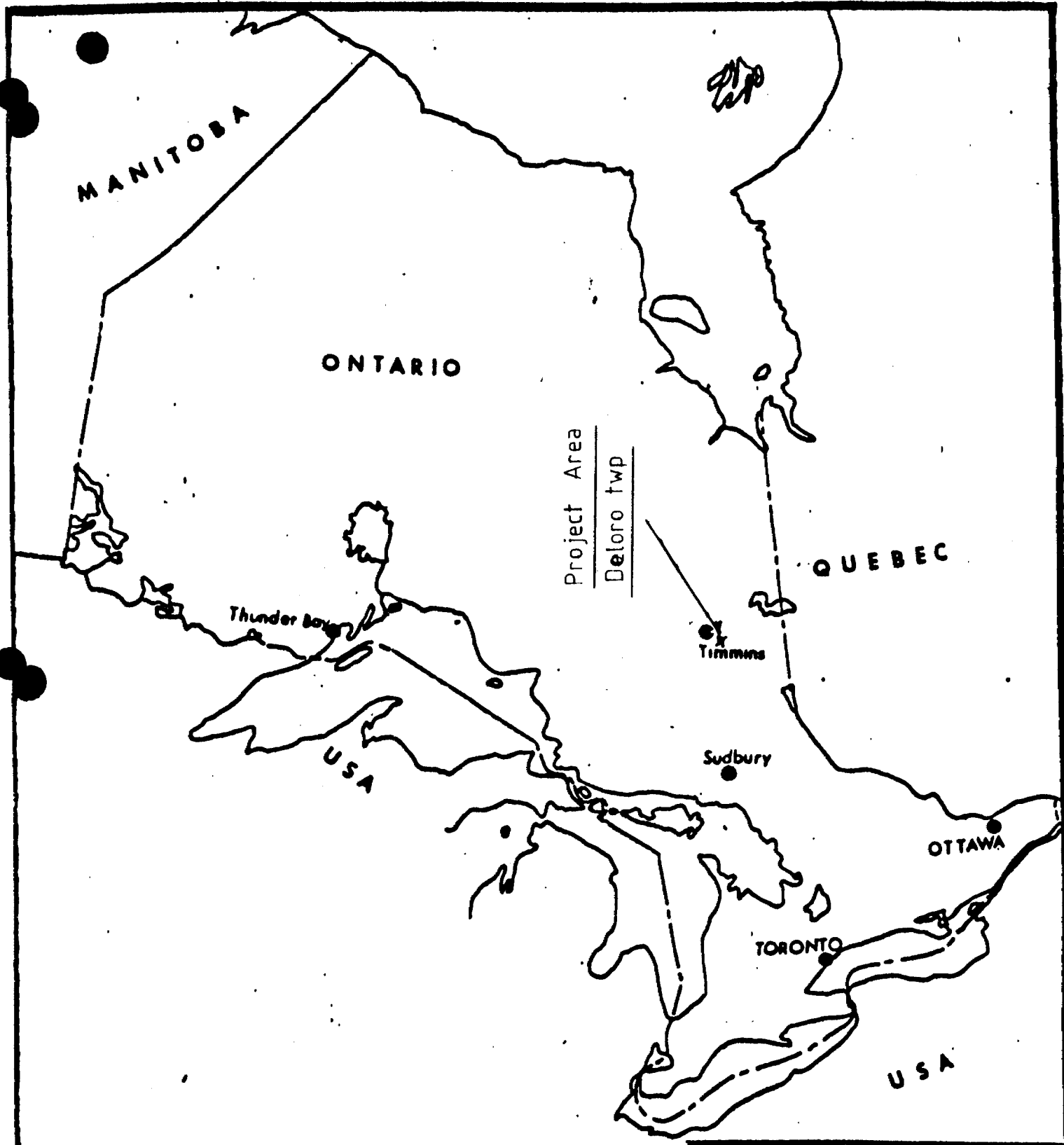
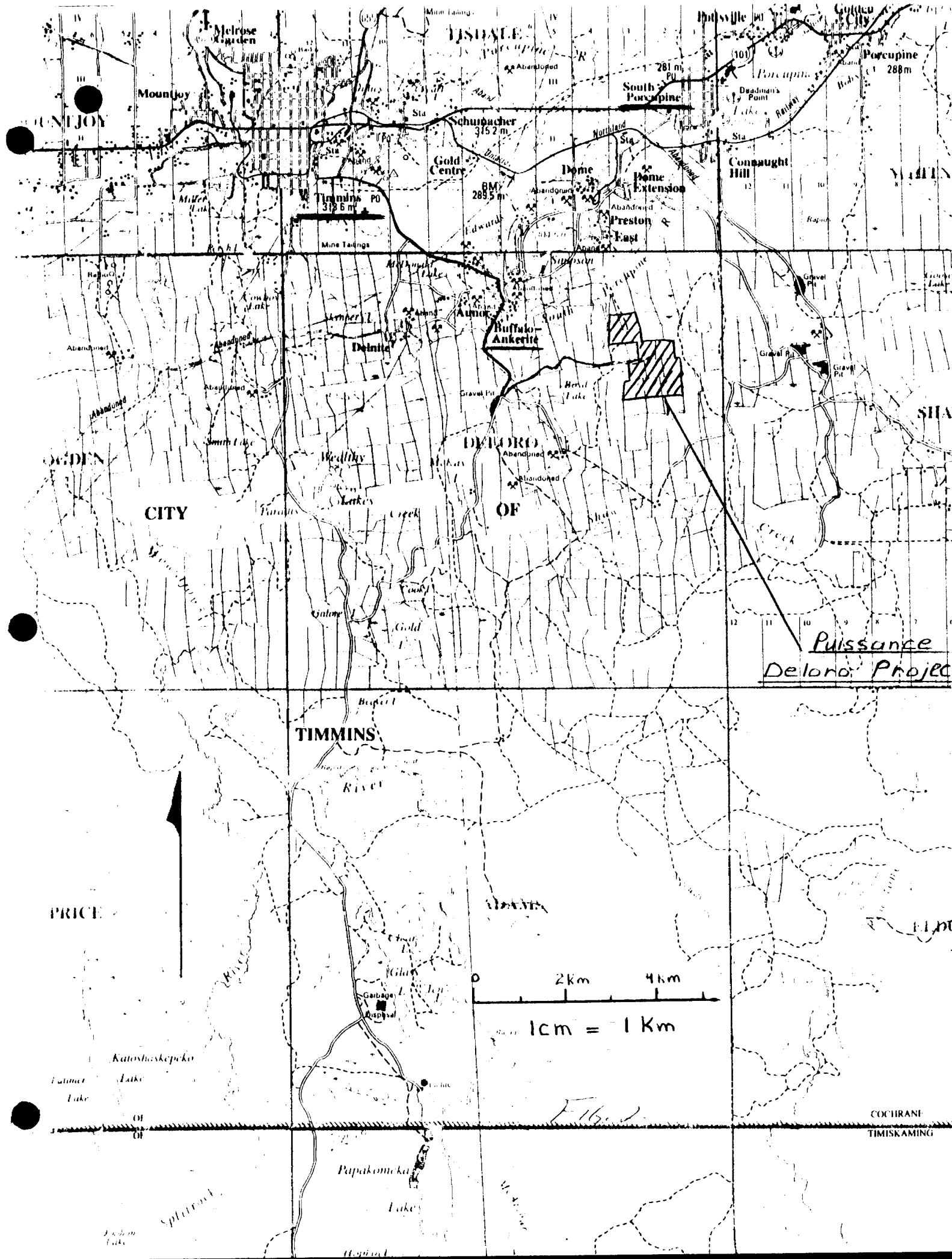


FIGURE 1
LOCATION MAP

0 125 miles 250
0 100 200 km 400



Puissance
Delora Project

0 2km 4km
1cm = 1km

COCHRANE
TIMISKAMING

Katosheskepeko
Lake
Lake
OF
OF

TIMMINS

DELAORA
OF

CITY

OGDEN

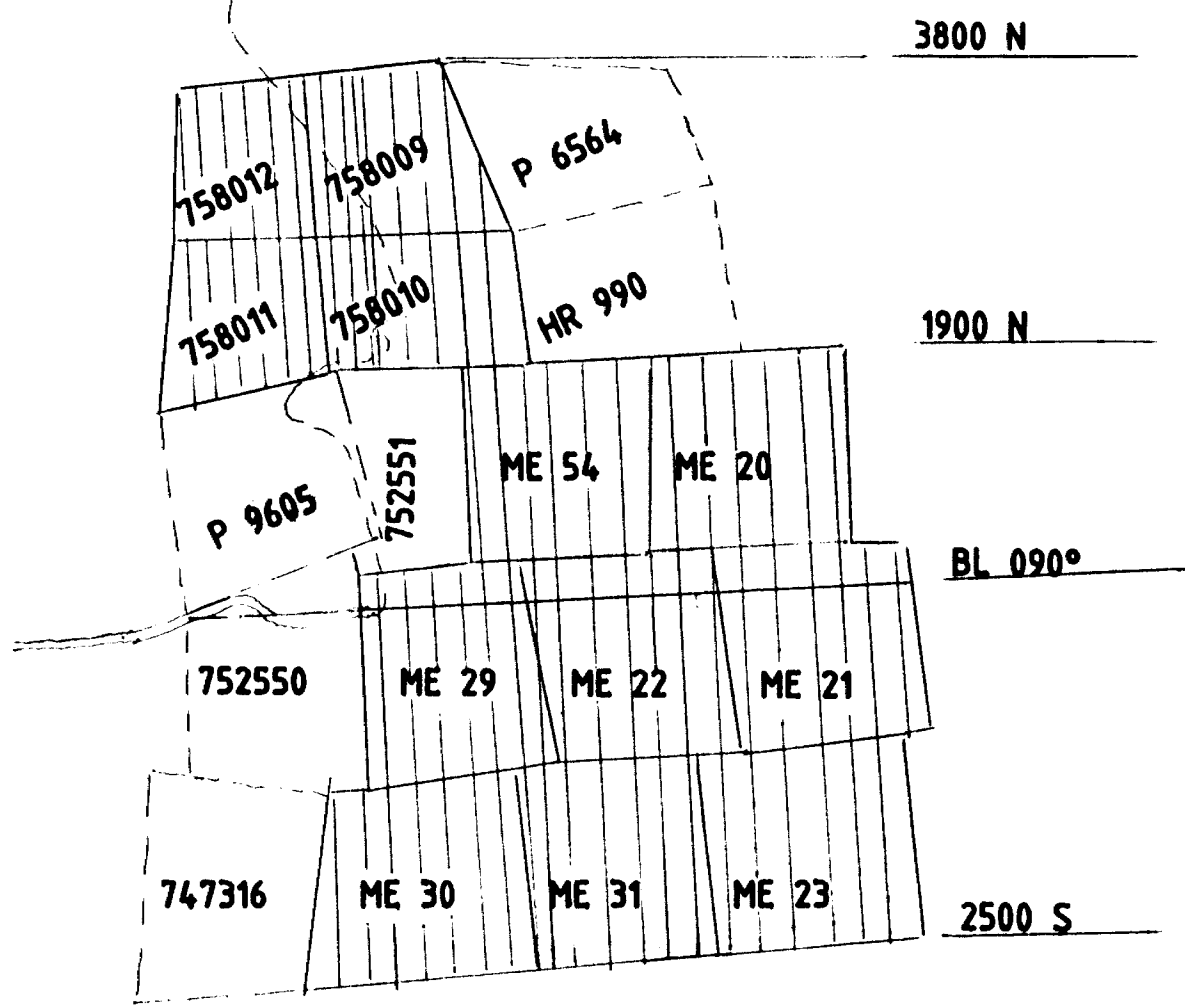
MOUNTJOY

TIMMINS



LINECUTTING

A total of 19.8 miles of grid and baselines were cut. The baseline runs at an azimuth of 090° from L 0+00 to L 4600 feet east. Crosslines were turned off and cut, north, south, at 200 foot intervals along the baseline. All stations along the baselines and crosslines were chained with 100 foot stations. All lines were cut to the north and south boundaries of the claim block (see figure 3).



Grid Map for Linecutting

scale: 1" = 20 chains

FIG. 3

GEOPHYSICAL SURVEYS

1. Proton Magnetometer Survey

An EDA, PPM 350 Omnimag total field magnetometer was used throughout the survey. Corrections for the diurnal variations in the magnetic field was done by establishing a fixed recording base station. This was done using EDA's PPM 400 base station recording Mag. The base station location was Lot 10, Concession 1V, Mountjoy township. Base station readings were taken at 30 second intervals throughout the survey time and stored by the unit.

At the end of each survey day, the PPM 350 and 400 were connected together and to a printer. The corrected data was dumped directly to the printer, as was the field data and base station data. The corrected data was then plotted and contoured and the plans are included in the back pocket of this report.

Technical and operational specifications of the EDA systems are included as Appendix A of this report.

2. VLF Radem Surveys

The EM survey was completed using a VLF, (Radem) receiver, manufactured by Crone Geophysics. The frequency used to measure the two directional dip angles were Cutler, Maine at 24.0 khz and Annapolis, Maryland at 21.4 khz. The field strength survey was completed using Cutler, Maine at 24.0 khz. The survey consisted of readings taken at 50 feet intervals over the entire grid. Each station was read using Cutler, Maine (CM), Annapolis, Maryland (AM) and a field strength. The resultant, northsouth dips, (CM station) and eastwest dips (AM station) measurements were plotted in profiles and are included in the back pocket of this report. The resultant field strength readings were plotted and anomalous areas were contoured. These maps are also included in the back pocket.

Technical and operational specifications of the Crone Radem systems are also included as Appendix B of this report.

3. Survey results

The VLF survey outlined a number of eastwest and northsouth features, scattered across the entire 13 claims. A number of the VLF responses are of short questionable strikelengths. However, there are 7 or 8 relatively strong, legitimate responses noted by the CM station and another 4 or 5 equally strong responses noted by the AM station. Each of these will be discussed seperately and in detail below.

4. Conductor Characteristics (Cont'd)

Zone C (L 4400'E to L 3200'E @ 2100'S to 2500'S)

This zone closely parallels to zone B and B'. The zone lacks the mag correlation of B and B' but it does have moderate correlation along part of the axis. The field strength contour also correlate generally with the strike of the zone. The zone appears to be dipping near vertical to slightly south.

The sharp change in strike directions, as both B,B' and C strike east to west support the theory that either a fault or dike has intruded into the grid, striking northsouth, in the area of lines 3400'S and 2800'E. This is evident in the field strength contours.

Zone D, D' (L 4000'E to L 3200'E @ 650'N to 500'N)

These two zones parallel one another and appear to be dipping near vertical. Both zones have associated mag highs and lows. There is no field strength correlation with either of the zones and the stronger of the two, zone D, stops up against the fault.

4. Conductor Characteristics (Cont'd)

Zone C (L 4400'E to L 3200'E @ 2100'S to 2500'S)

This zone closely parallels to zone B and B'. The zone lacks the mag correlation of B and B' but it does have moderate correlation along part of the axis. The field strength contour also correlate generally with the strike of the zone. The zone appears to be dipping near vertical to slightly south.

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Zone D, D' (L 4000'E to L 3200'E @ 650'N to 500'N)

These two zones parallel one another and appear to be dipping near vertical. Both zones have associated mag highs and lows. There is no field strength correlation with either of the zones and the stronger of the two, zone D, stops up against the fault.

4. Conductor Characteristics (Cont'd)

Zone E (L 2000'E to L 18'E @ 1300'S to 1600'S)

Zone E' (L 1800'E to L 1600'E @ 1950 to 2000'S)

Both of these zones strike south west, are parallel and appear to be dipping north to near vertical. Both zones have associated flanking mag to the south. The zones may be indicative of the same source which has been faulted. This is evident from the Annapolis Maryland survey which shows two parallel northsouth striking features on the west tip of E and E'.

Zone F (L 1600'E to 1200'E @ 1100'S to 1350'S)

This zone strikes southwest and continues off the grid to the west. This zone also appears to be dipping north to near vertical. There is some mag activity in the area but very little direct correlation with the zone. There is field strength correlation with the entire zone.

4. Conductor Characteristics (Cont'd)

Zone G (L 28'E to 20'E @ 700'N)

Zone G' (L 30'E to 24'E @ 500'N)

These zones strike eastwest to northwest, with G' appearing to strike off of G. The two zones are dipping near vertical and both zones have associated mag highs and lows. Zones G, G' may be the extension of zones D, D' which have been disrupted by the fault which is evident in the field strength survey. There is a weak field strength correlation on the west extension of zone G.

As mentioned earlier, there are several other conductive zones of minor interest which could prove out to be of interest if the above zones turn out to be of greater potential after detailed geology and or stripping and trenching.

The Annapolis Maryland survey showed at least 4 major areas of interest.

Zone Z (L 3600'N to L 3200'N @ 100'E)

This zone strikes south to north and off of the grid to the north. It is a very sharp cross-over and coincides with very strong magnetics, probably indicating iron formation.

There is high values in the field strength survey in the area of the axis and the field strength contours tend to strike northsouth.

4. Conductor Characteristics (Cont'd)

Zone W (Cont'd)

There are numerous, other, parallel zones to the west scattered across the remainder of the south section of the survey grid. The central zones striking across claim # ME22 may be representative of the second north south striking fault or dike which can be easily seen in the field strength survey.

The scattering of conductive zones across claim # ME30 may suggest shearing or faulting. This is varified by the magnetics in the area which show small mag pockets which have been distorted and broken up. The field strength also shows some distortion in the general area.

CONCLUSIONS & RECOMMENDATIONS

The survey grid proved to be very active geophysically. Had it not been for the field strength survey, one could only have guessed at the possibilities of a second major, north-south trending dike or fault in the south section. The two directional VLF survey resulted in a clearer picture of the conductive zones and their strikes.

From the magnetics, there are at least 4 major areas which require further work. The field strength survey also correlates to these zones. The VLF conductors follow the mag highs to some extent and also explain the distortions and faulting which has interrupted the mag trends.

Further trenching, stripping and geology is required to define all of the above zones. A more detailed geophysical survey, (ie 100 line spacing) would be helpful in better defining the limit of the conductive zones.

4. Conductor Characteristics (Cont'd)

Zone X (L 3800'N to L 1400'N @ 600'E to 700'E)

This conductor axis is probably representative of the fault or dike like intrusion which was evident in the magnetics and clearly visible in the field strength contour. The axis probably is showing the west shoulder of the dike.

There is another short zone at 1100'E which parallels zone X. This may be indicative of the east shoulder of the same dike.

Zone Y (L 3000'N to L 1600'N @ 1400'E to 1800'E)

This zone probably continues further north from L 3000N as the short parallel zone paralleling zone X. The north section of zone Y has been faulted by another conductive zone, noted by the Cutler Maine survey. The Cutler Maine zone strikes eastwest between zone Y and its continuation to the northwest.

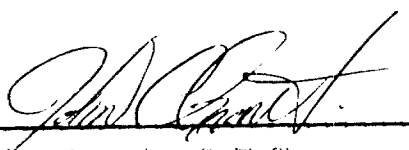
Zone W (L 1700'N to 300'S @ 2200'E)

This zone strikes northsouth and appears to be dipping near vertical. The zone cuts across zones G and G' and another minor eastwest striking zone. It faults off a third zone striking into it from the west. There is no apparent mag or field strength correlation with the zone as these two surveys correlate to the eastwest striking zones in the area.

CERTIFICATE

I, John C. Grant, hereby certify that:

- 1) I am a 1975, graduate geophysist, of the three year program in Geological Technology at Cambrian College of Applied Arts and Technology and I have worked subsequently as Chief Geophysical Operator for Teck Exploration Limited (5 years), North Bay office and for Exsics Exploration Limited, Timmins office, as Geophysist since 1980.
- 2) I am a member of the Certified Engineering Technologist Association.
- 3) I have no specific or special interest in the described property and the field work described in the attached report was carried out under my supervision. The interpretations and conclusions contained therein are based on my training and professional experience.



John C. Grant C.E.T.
Exsics Exploration Limited



GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) VLF (RADAR) AND PROTON MAGNETOMETER.

Township or Area DELORO TOWNSHIP

Claim Holder(s) PUISSANCE CORPORATION.

Survey Company EXSIS EXPLORATION LTD.

Author of Report JOHN C. GRANT.

Address of Author P.O. Box 1880, Timmins, Ont.

Covering Dates of Survey MAR 20/84 to MAY 02/84
(linecutting to office)

Total Miles of Line Cut 19.8 Miles.

MINING CLAIMS TRAVERSED
List numerically

- P - 758009 (prefix) (number)
- P - 758010
- P - 758011
- P - 758012
- ME 54
- ME 20
- ME 21
- ME 22
- ME 23
- ME 29
- ME 30
- ME 31

SPECIAL PROVISIONS
CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
-Electromagnetic	<u>30</u>
-Magnetometer	<u>40</u>
-Radiometric	_____
-Other	_____
Geological	_____
Geochemical	_____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: 27 Aug 22/84 SIGNATURE: J. Grant C.E.T.
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 12

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

DIRECTIONAL VLF = 3450
FIELD STRENGTH = 1725
MAGNETOMETER = 1725
Number of Stations 6900 Number of Readings 6900

Station interval 50 FOOT STATIONS Line spacing 200 FEET

Profile scale 1" = 20'

Contour interval 50, 100, 500 GAMMA

MAGNETIC

Instrument EDA PPM 350 FIELD MAGNETOMETER

Accuracy - Scale constant ± 0.1 GAMMA

Diurnal correction method FIXED RECORDING BASE STATION (EDA PPM 400)

Base Station check-in interval (hours) READING TAKEN & RECORDED EVERY 30 SEC.

Base Station location and value BASE STATION LOCATED AT LOT 10
COAL. IV MOUNTAIN TOWNSHIP, TIMMINS. (59500)

ELECTROMAGNETIC

Instrument CRONE VLF (RADEN) RECEIVER

Coil configuration

Coil separation

Accuracy DIP ANGLE TO 1/2°, FIELD STRENGTH TO ± 2%

Method: Fixed transmitter Shoot back In line Parallel line

Frequency CUTEER, MAINE (24.0 KHZ), ANNAPOLIS, MARYLAND, (21.4 KHZ)
(specify V.L.F. station)

Parameters measured DIP ANGLE IN DEGREES FROM THE HORIZONTAL OF THE
MAGNETIC COMPONENT OF THE VLF FIELD, FIELD STRENGTH, TOTAL OF
THE HORIZONTAL COMPONENTS OF THE MAG. COMPONENT OF THE VLF FIELD,
Instrument MEASURED AS A % OF NORMAL FIELD STRENGTH.

GRAVITY

Scale constant

Corrections made

Base station value and location

Elevation accuracy

Instrument

Method Time Domain Frequency Domain

Parameters - On time Frequency

- Off time Range

- Delay time

- Integration time

Power

Electrode array

Electrode spacing

Type of electrode

RESISTIVITY

PROTON MAG SPECIFICATIONS (APPENDIX A)

EDA PPM 300 OMNIMAG, TOTAL FIELD MAGNETOMETER

The unit measures total field magnitude, stores time and grid coordinates (line and position) and the type of survey grid; and computes the statistical reading error. The memory can store up to 770 data blocks, eliminating the need to record manually. Accumalated data can be dumped to printers, to magnetic cassette recorders or to the PPM-400 base station mag.

THE TECHNICAL SUMMARY OF THE PPM 300

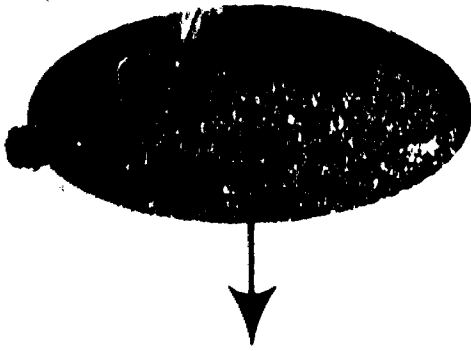
Operating temperature range: -35°C to $+50^{\circ}\text{C}$

Relative Humidity: 95% (rain proof)

Absolute accuracy of: $\pm 0-1$ gamma

Range of: 181000 to 93,000 gammas

Light weight for easy portability



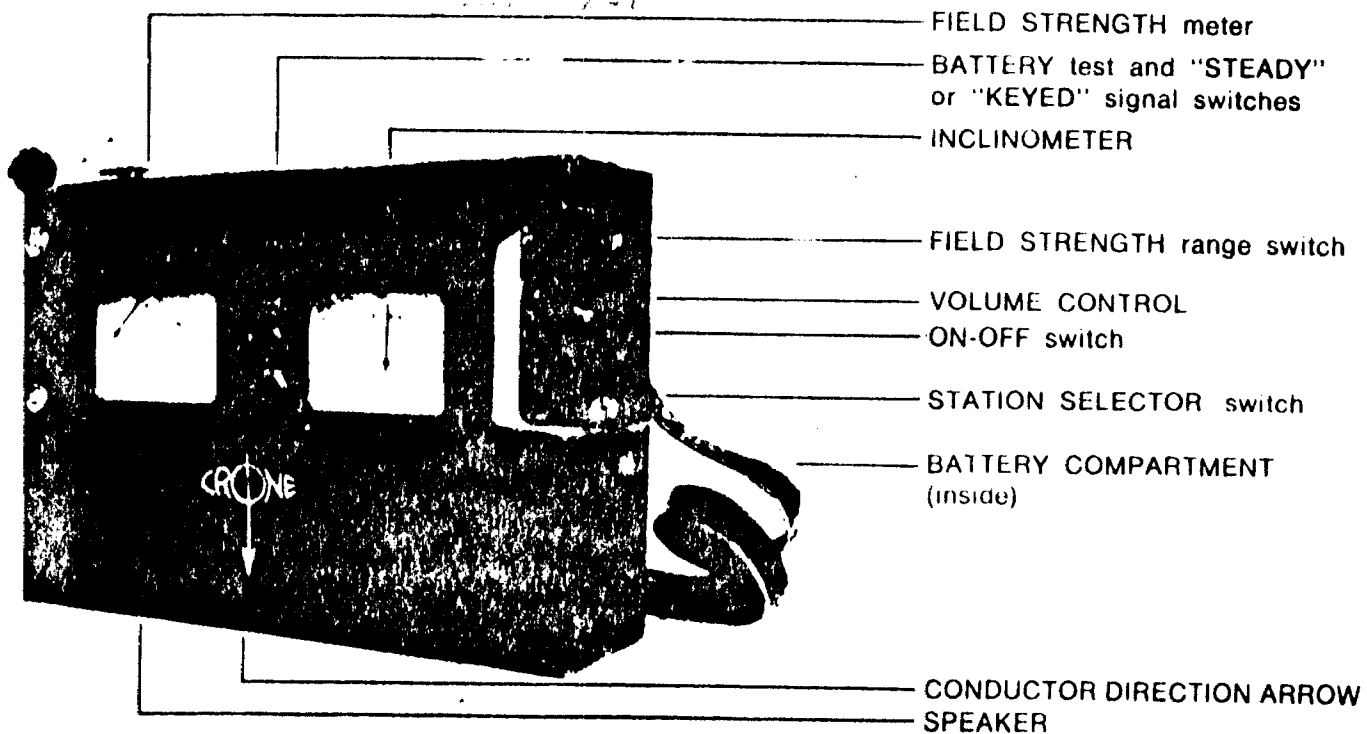
CRONE GEOPHYSICS LIMITED

3607 WOLFEDALE ROAD,
MISSISSAUGA, ONTARIO,
CANADA.

Phone: (416) 270-0096

RADEM

AN EM RECEIVER MEASURING
THE FIELD STRENGTH, DIP ANGLE
AND QUADRATURE COMPONENTS
OF THE VLF COMMUNICATION STATIONS



This is a rugged, simple to operate, ONE MAN EM unit. It can be used without line cutting and is thus ideally suited for GROUND LOCATION OF AIRBORNE CONDUCTORS and the CHECKING OUT OF MINERAL SHOWINGS. This instrument utilizes higher than normal EM frequencies and is capable of detecting DISSEMINATED SULPHIDE DEPOSITS and SMALL SULPHIDE BODIES. It accurately isolates BANDED CONDUCTORS and operates through areas of HIGH HYDRO NOISE. The method is capable of deep penetration but due to the high frequency used its penetration is limited in areas of clay and conductive overburden.

The DIP ANGLE measurement detects a conductor from a considerable distance and is used primarily for locating conductors. The FIELD STRENGTH measurement is used to define the shape and attitude of the conductor.

SPECIFICATIONS

Source of Primary Field: VLF Communication Stations 12 to 24 KHz

Number of Stations: 7 switch selectable

Stations Available: The seven standard stations are Cutler, Maine, 17.8; Seattle, Washington, 18.6; Collins, Colorado, 20.0; Annapolis, Md., 21.4; Panama, 24.0; Hawaii, 23.4; England, 16.0. Alternative stations which may be substituted are: Gorki, Russia, 17.1; Japan, 17.4; England, 19.6; Australia, NWC, 22.3 KHz.

Check that Station is Transmitting: Audible signal from speaker.

Parameters Measured and Means:

(1) DIP ANGLE in degrees, from the horizontal of the magnetic component of the VLF field. Detected by minimum on the field strength meter and read from an inclinometer with a range of $\pm 80^\circ$ and an accuracy of $\pm 1/2^\circ$.

(2) Field Strength (total or horizontal component) of the magnetic component of the VLF field. Measured as a per cent of normal field strength established at a base station. Accuracy $\pm 2\%$ dependent on signal. Meter has two ranges: 0 -- 300% and 0 -- 600%. Switch for "keyed" or "F.S." (steady) signal.

(3) Out of Phase component of the magnetic field, perpendicular in direction to the resultant field, measured without sign, as a per cent of normal field strength. This is the minimum reading of the Field Strength meter obtained when measuring the dip angle. Accuracy $\pm 2\%$.

Operating Temperature Range: -20° to $+110^\circ$ F.

Dimensions and Weight: 3.5" \times 7.5" \times 10.5" --- 6 lb.

Shipping: Foam lined wooden case --- shipping wt. --- 15 lb.

Batteries: 2 of 9 volt: Eveready 216, Burgess 2U6, Mallory M-1604
Average life expectancy --- 3 weeks to 3 months dependent on amount of usage.

Units Available on a Rental or Purchase Basis.

Contract Services Available for Field Surveys.



42A06NE8406 2.6788 DELORO

900

Mining Lands Section

File No 2.6788

Control Sheet

TYPE OF SURVEY

GEOPHYSICAL

GEOLOGICAL

GEOCHEMICAL

EXPENDITURE

MINING LANDS COMMENTS:

previously logged

LD

Dancy

Signature of Assessor

12/01/84

Date



Ministry of Natural Resources

Report of Work

(Geophysical, Geological, Geochemical, or Expenditures)

#228/85

- Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
- Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Re: your file 2.6788

Mining Act

Geophysical
 Puisseuse Corporation
 of Gledhill Consultants Inc.
 10 21 Sandalwood Place, Don Mills, Ont. M3B1L5
 EXSICS Exploration Ltd.
 John C. Grant

Township of Deloro
 Deloro Loop
 Prospector's Licence No. J 1653

Date of Survey (from Section)
 20 03 84 22 05 84
 Day Mo. Yr. Day Mo. Yr.

Total Miles of line Cut 19.8

Name and Address of Author (of Geotechnical report)
 John C. Grant

Provision	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Electromagnetic VLF 2divs Magnetometer	20 40
For each additional survey using the same grid: Enter 20 days (for each)	Radiometric Other	
Main Days: Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	
Autopne Credits: Note: Specific provisions credits do not apply to Airborne Surveys.	Geophysical	Days per Claim
	Electromagnetic	
	Magnetometer	

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Number	Number		Number	Number	
P	758009				
	758010				
	758011				
	758012				

Note: This work was included in report 2-6788 (W.R. 115/84) and was included in error. ref. Doug Ishuwood. MNR. Tor.

RECEIVED
 JUL 09 1985
 MINING LANDS SECTION

RECEIVED
 JUN 28 1985
 PORCUPINE MINING DIVISION

RECORDED
 JUN 28 1985
 Receipt No. cf.

Expenditures (excludes power) performed on Claim(s):

Calculation of Expenditure Days Credits:
 Total Expenditures \$ 8 ÷ 15 = Total Days Credits

Instructions:
 Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Date: June 25/85
 Reported Holder or Author Signature: Tom Gledhill

For Office Use Only
 Total Days Credits Recorded: 160
 Approved as Recorded: June 28/85
 85.7.15

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying:
 Tom Gledhill - 21 Sandalwood Place, Don Mills, Ont. M3B1L5

Total number of mining claims covered by this report of work: 4



Ministry of
Natural
Resources
Ontario

Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

W. R. 2-6788
175/84

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

June 1984

The Mining Act

June 18/84

Type of Survey(s) **ELECTROMAGNETIC (WLF) AND PROTON MAG.** Township or Area **DELORE TWP.**
 Claim Holder(s) **PUISSANCE CORPORATION** Director's Licence No. **T-1653**
 Address **BOX 80 SUITE 6300, 1ST CANADIAN PLACE, TORONTO, ONT.**
 Survey Company **EXSIS EXPLORATION LTD.** Date of Survey (from & to) **01 04 84 13 04 84** Total Miles of line Cut **5.0 Miles.**
 Name and Address of Author (of Geo Technical report) **JOHN C. GRANT P.O. Box 1880, Timmins Ont.**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	40
	- Magnetometer	
	- Radiometric	
	- Other	
For each additional survey: using the same grid. Enter 20 days (for each)	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne surveys.	- Electromagnetic	
	- Magnetometer	
	- Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
P	758009				
	758010				
	758011				
	758012				

RECORDED
APR 19 1984
30

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditures

Total Expenditures \$ **7,890.11** Total Days Credits **15**

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Date **April 19 1984** Recorded Holder or Agent (Signature) **John Grant**

For Office Use Only
Total Days Cr. Recorded **160** Date Recorded **April 19, 1984** Mining Party for Recorded **Stanley**
Date Approved or Recorded **89.7.24** Mining Party for Approved or Recorded **John Grant**

Certification Verifying Report of Work
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying **John C. Grant P.O. Box 1880 Timmins Ont.**
Date Certified **April 19 1984** Certified by (Signature) **John Grant**

Total number of mining claims covered by this report of work. **4**

1984 05 05

Your File: 175
Our File: 2.6788

Mr. Bruce Hanley
Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

We have received reports and maps for a Geophysical (Magnetometer) Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims P 758009 et al in the Township of Deloro.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

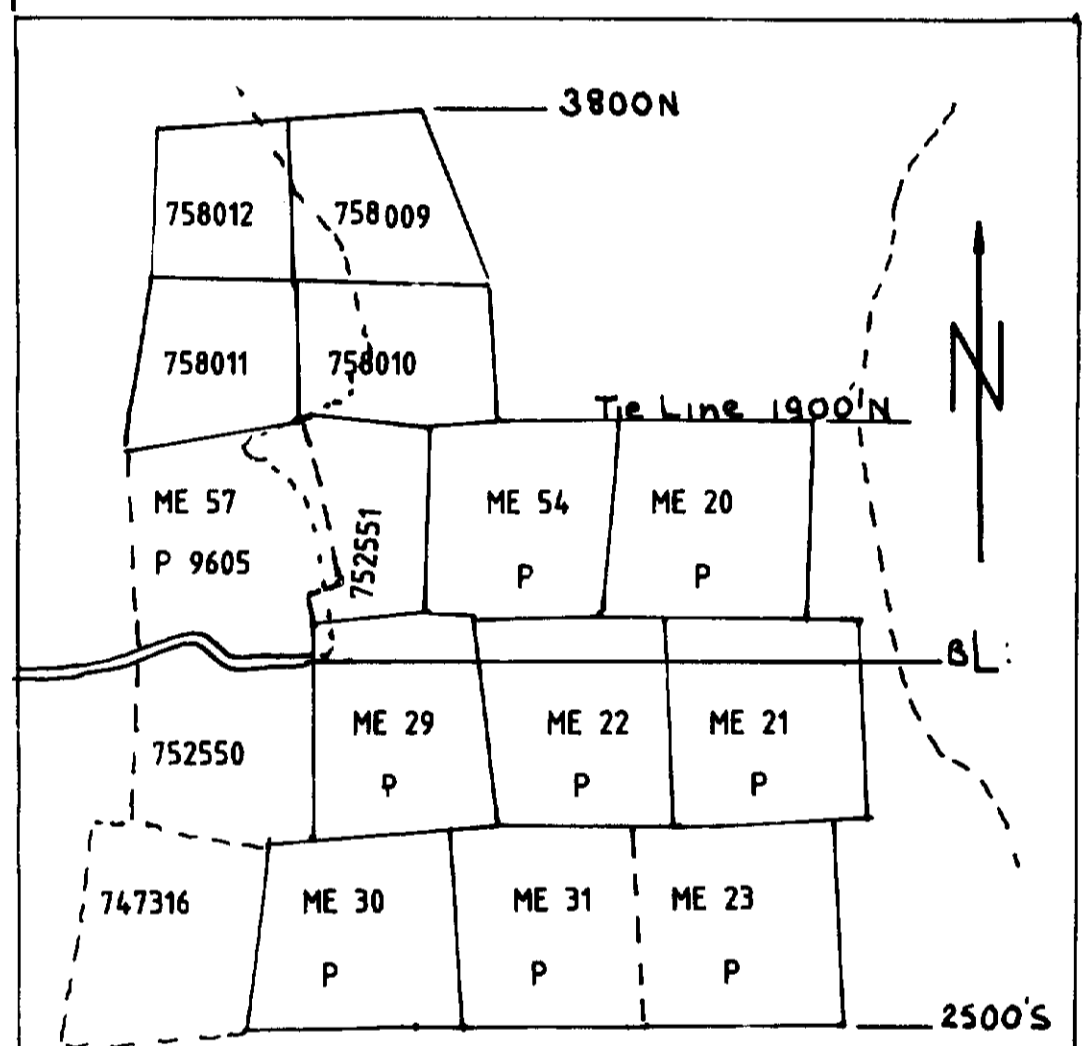
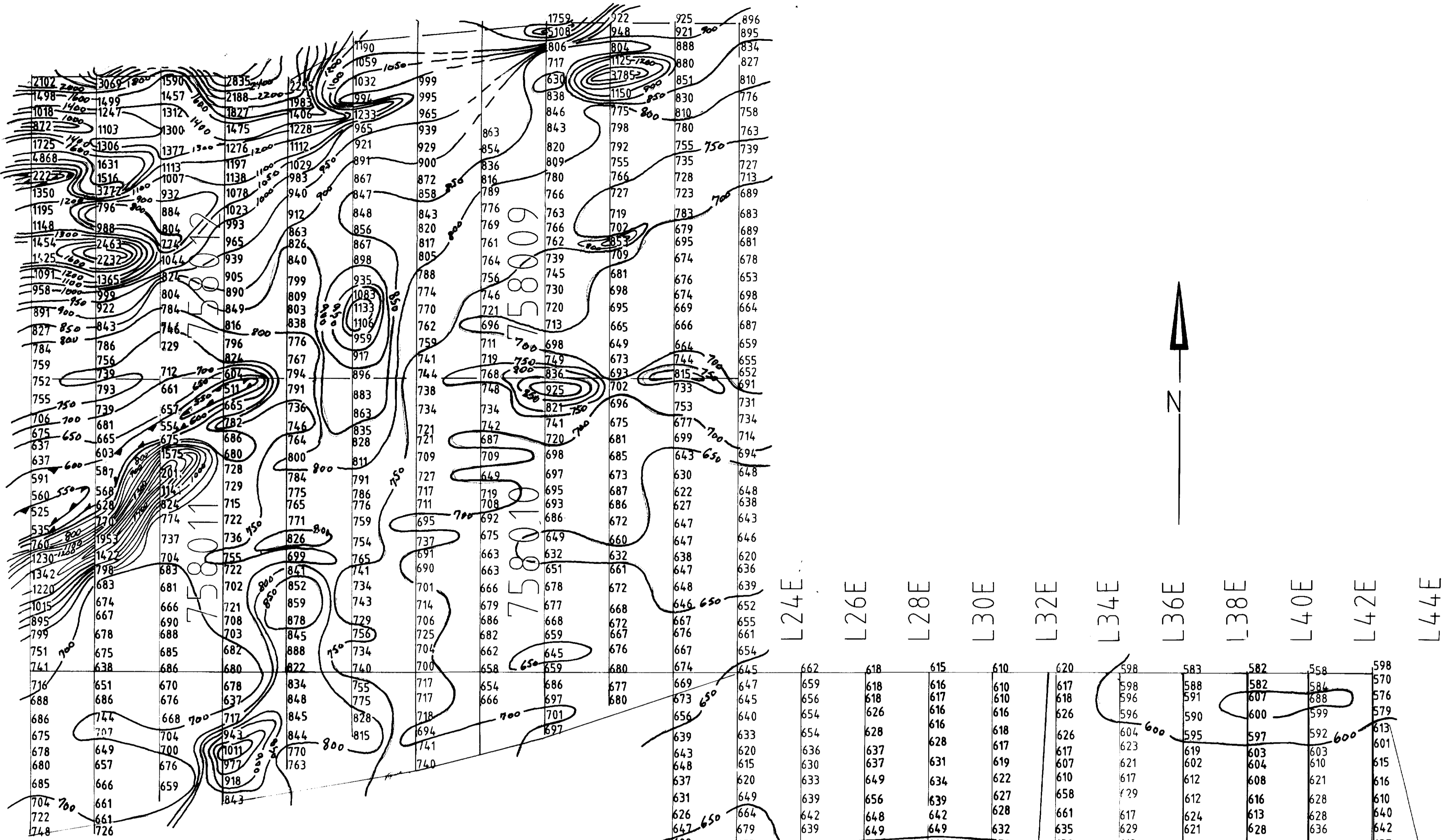
Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416) 965-6918

A. Barr:sc

cc: Puissance Corporation
Box 80
1 First Canadian Place
Toronto, Ontario
M5X 1B1


L0 L2E L4E L6E L8E L10E L12E L14E L16E L18E L20E L22E

38N
34N
30N
26N
22N
18N
14N





Location Map
1 inch = 20 chains

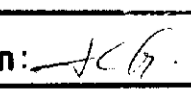
LEGEND

Total Magnetic Field, in gammas added to 59000 each reading
 Base Station Location, Lot 10, Conc. 4 Mountjoy Township
 Contour Interval, 50, 100, 500 gamma
 Magnetic Depression, 
 Instruments, Field Magnetometer, EDA PPM 350
 Base Station Mag, EDA PPM 400
 Survey By, Exsics Exploration Limited

KEY

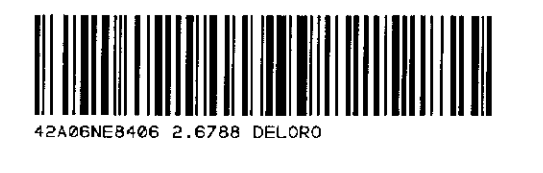
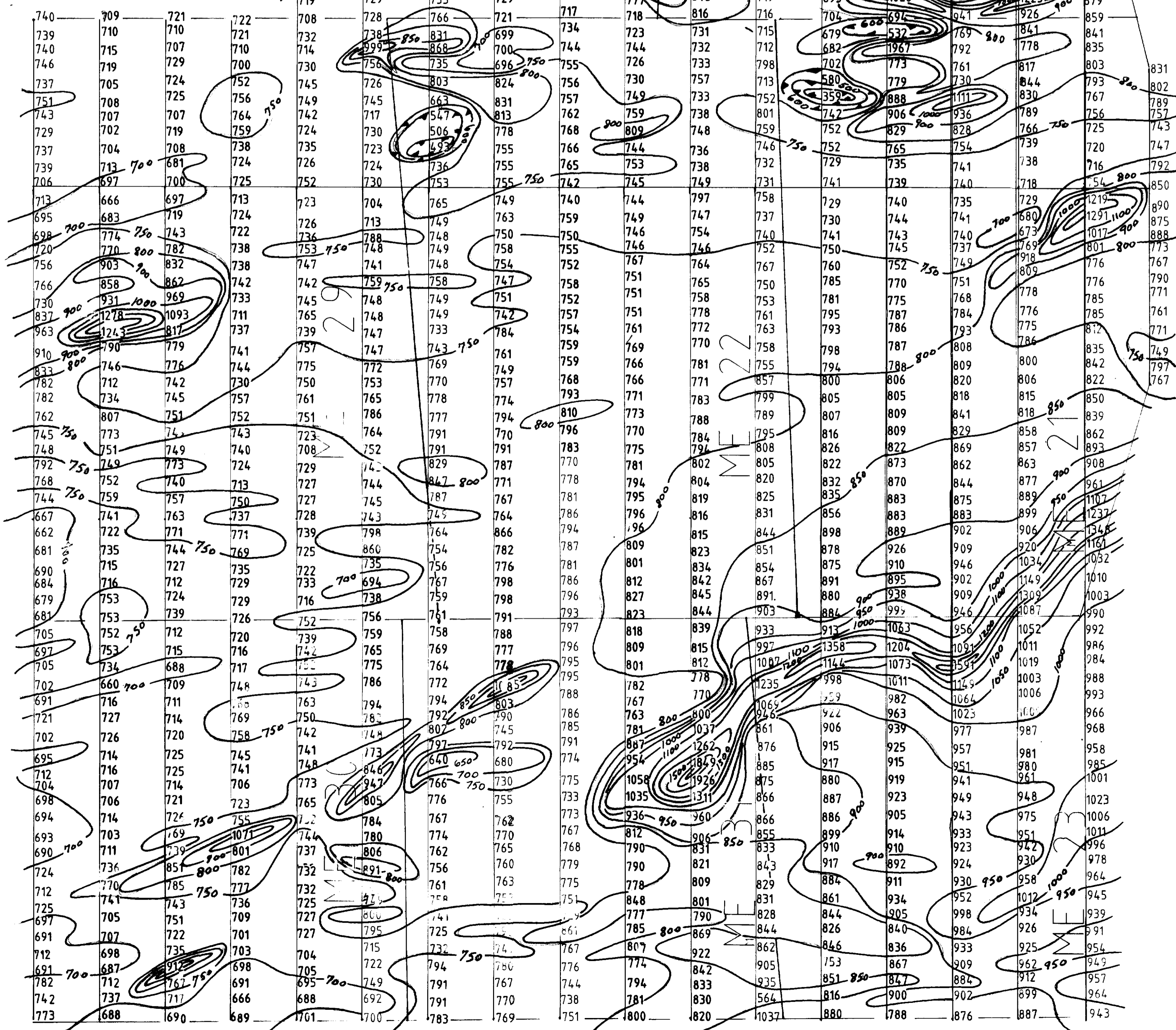
Claim Lines 
 Claim Posts 
 Claim Numbers, 758011
 Claim Numbers, Pat, ME 30

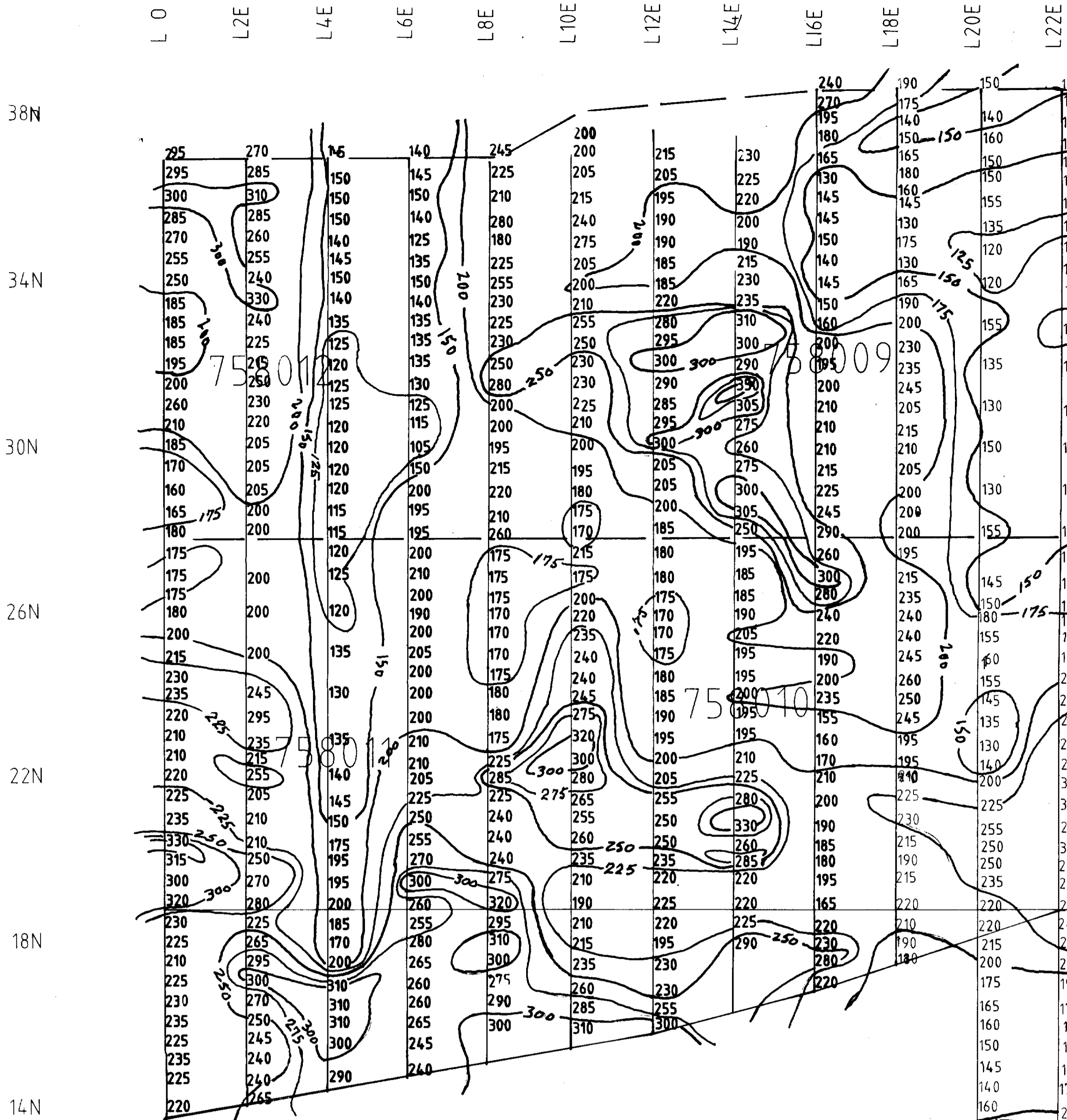
CLIENT: Puissance
 GRID: Deloro Twp.
 SURVEY: Magnetometer

Date: April / 84 Plotting: Y. Collin
 Scale: 1 inch = 200 feet Interpretation: 

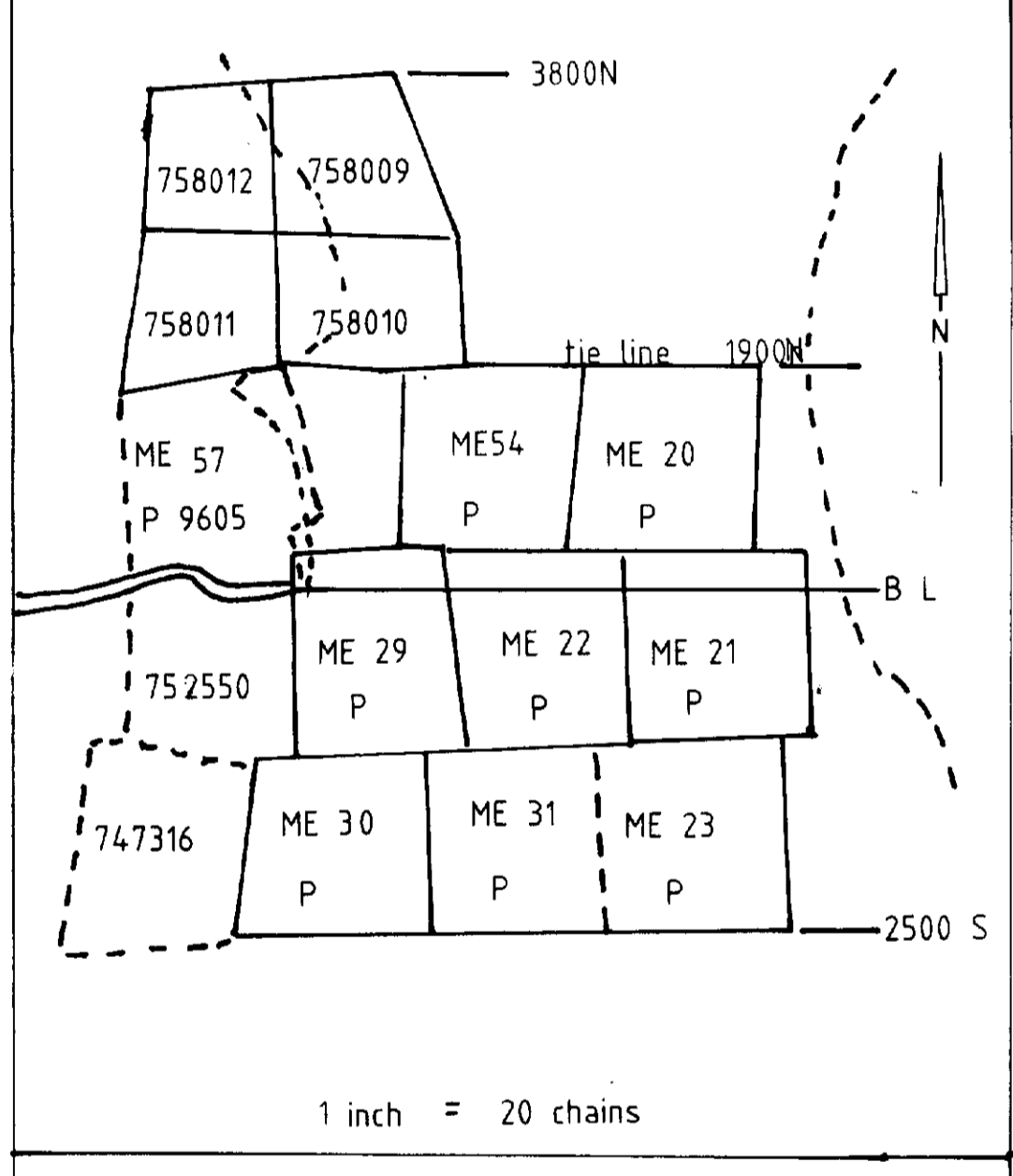
Exsics Exploration Limited
 (705) 267 4151

4N
0+00
4S
8S
12S
16S
20S
24S





L24E L26E L28E L30E L32E L34E L36E L38E L40E L42E L44E



1 inch = 20 chains

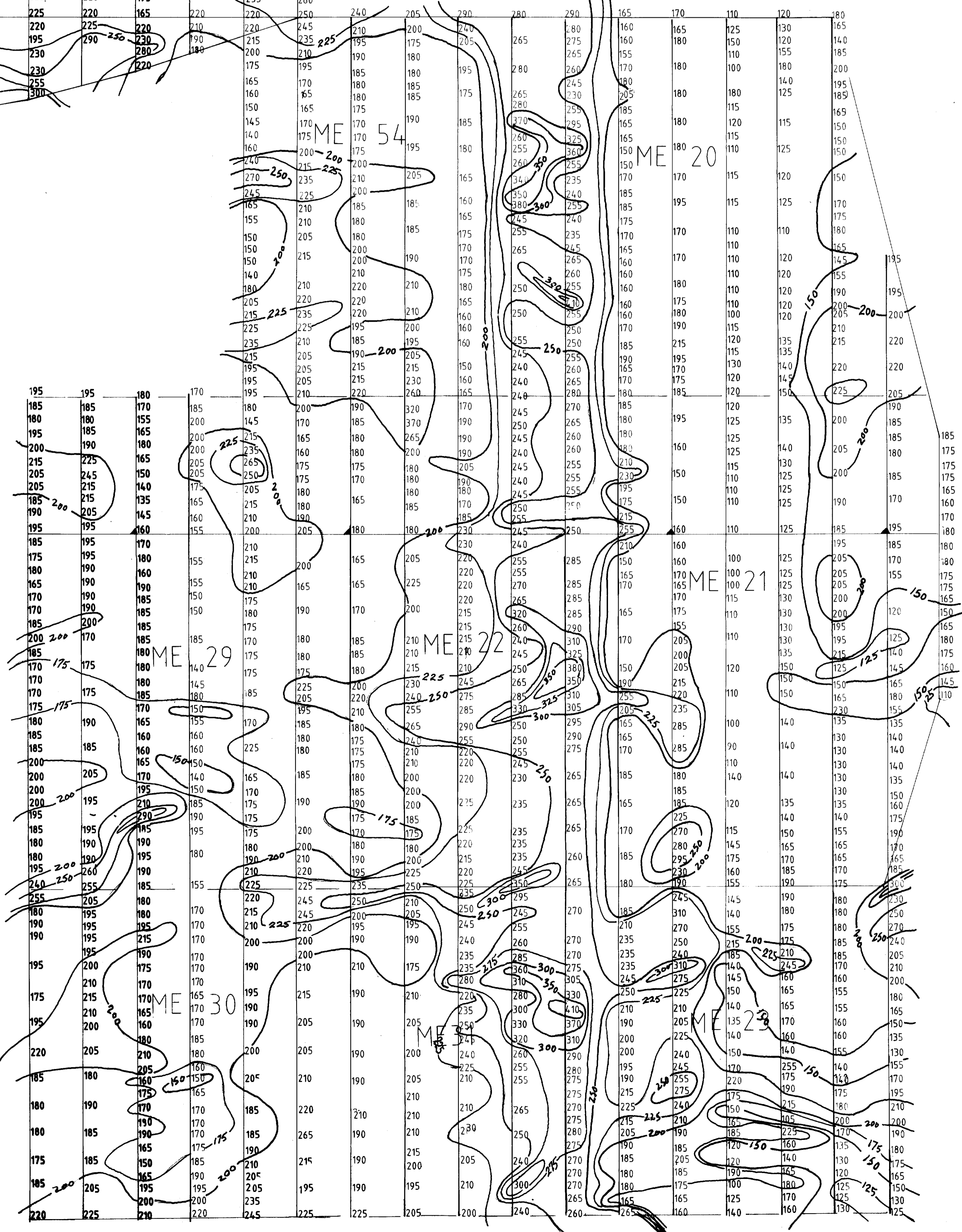
LEGEND

- FIELD STRENGTH (in %) 250%
- CONTOUR INTERVAL: 25, 50, 100 (%)
- CLAIM NUMBERS: ME 54
- CLAIM POSTS: ■
- CLAIM LINES: —
- INSTRUMENT: CRONE (VLF RADEM)
- STATION: CUTLER, MAINE
- FREQUENCY: 24.0 Hz.
- OPERATOR: EXSICS EXPLORATION LIMITED
- BASE STATIONS: ▲

CLIENT Puissance
 GRID "Deloro Twp
 Survey Field Strength

DATE: MAY/84 PLOTTING: Y. COLLIN
 SCALE: 1 inch = 200 feet INTERPRETATION: J. C. GRANT

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76788



2200

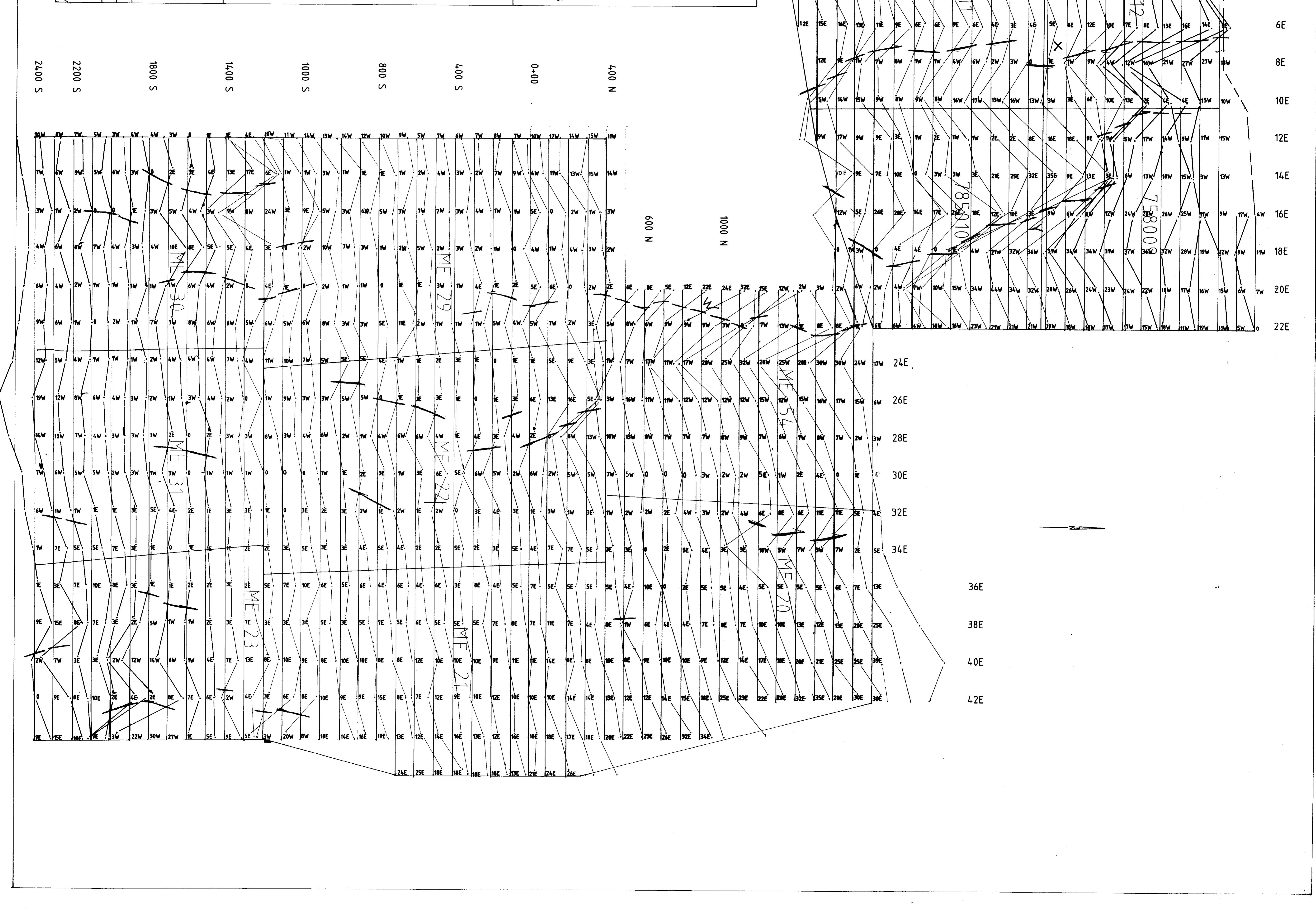
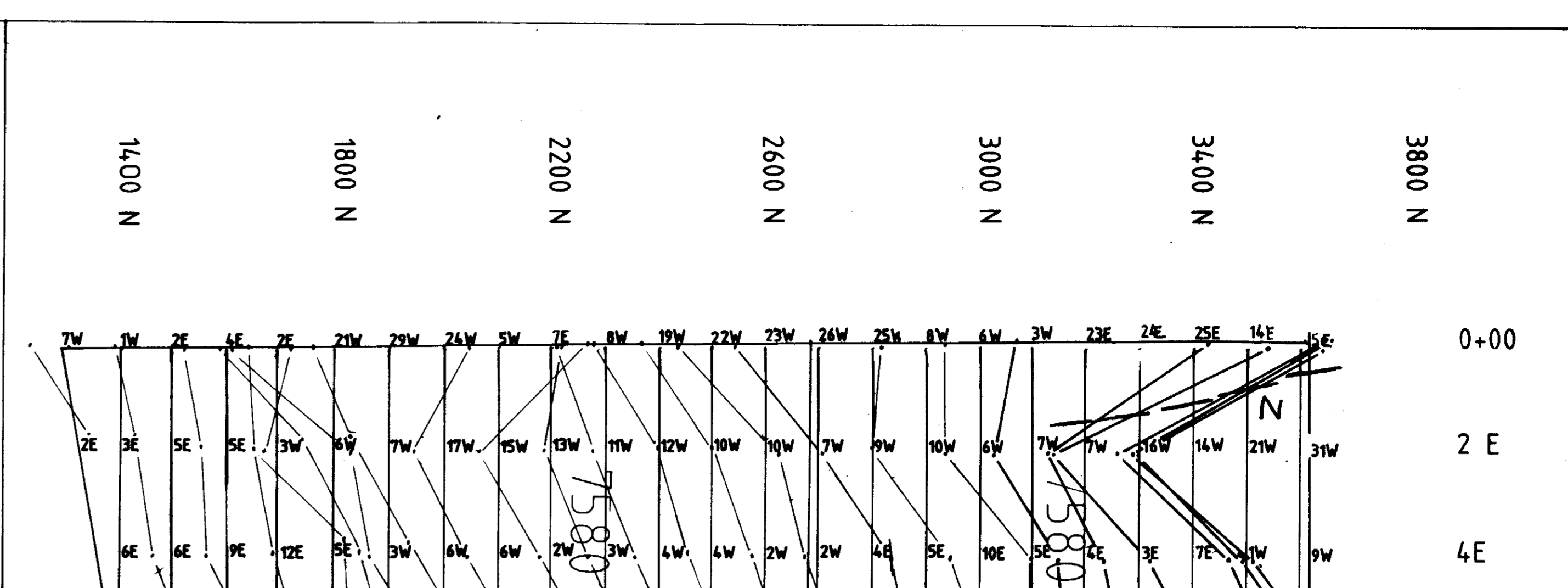
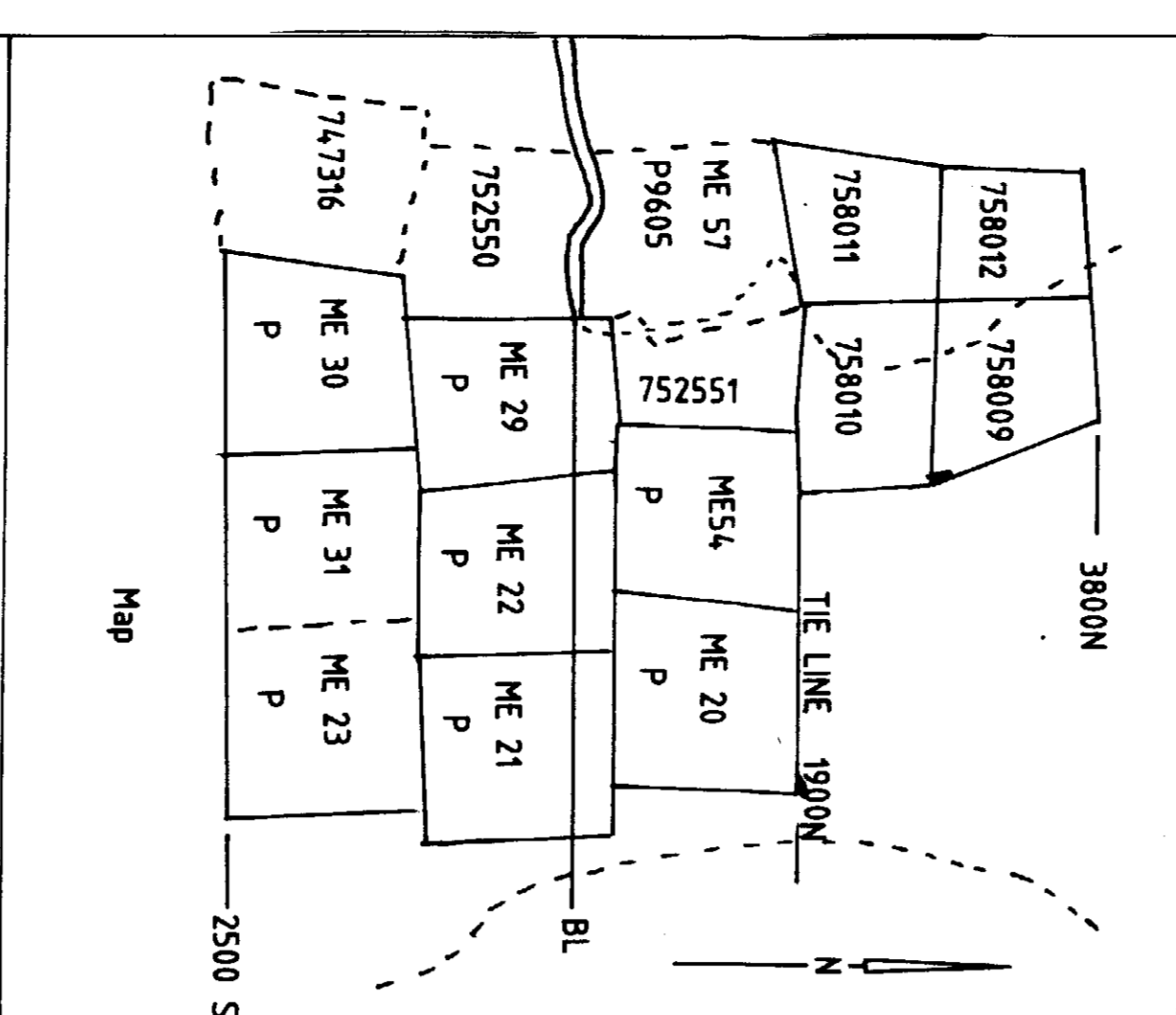
Client: Puissance
 Grid: Deloro Township
 Survey: VLF, RADEM

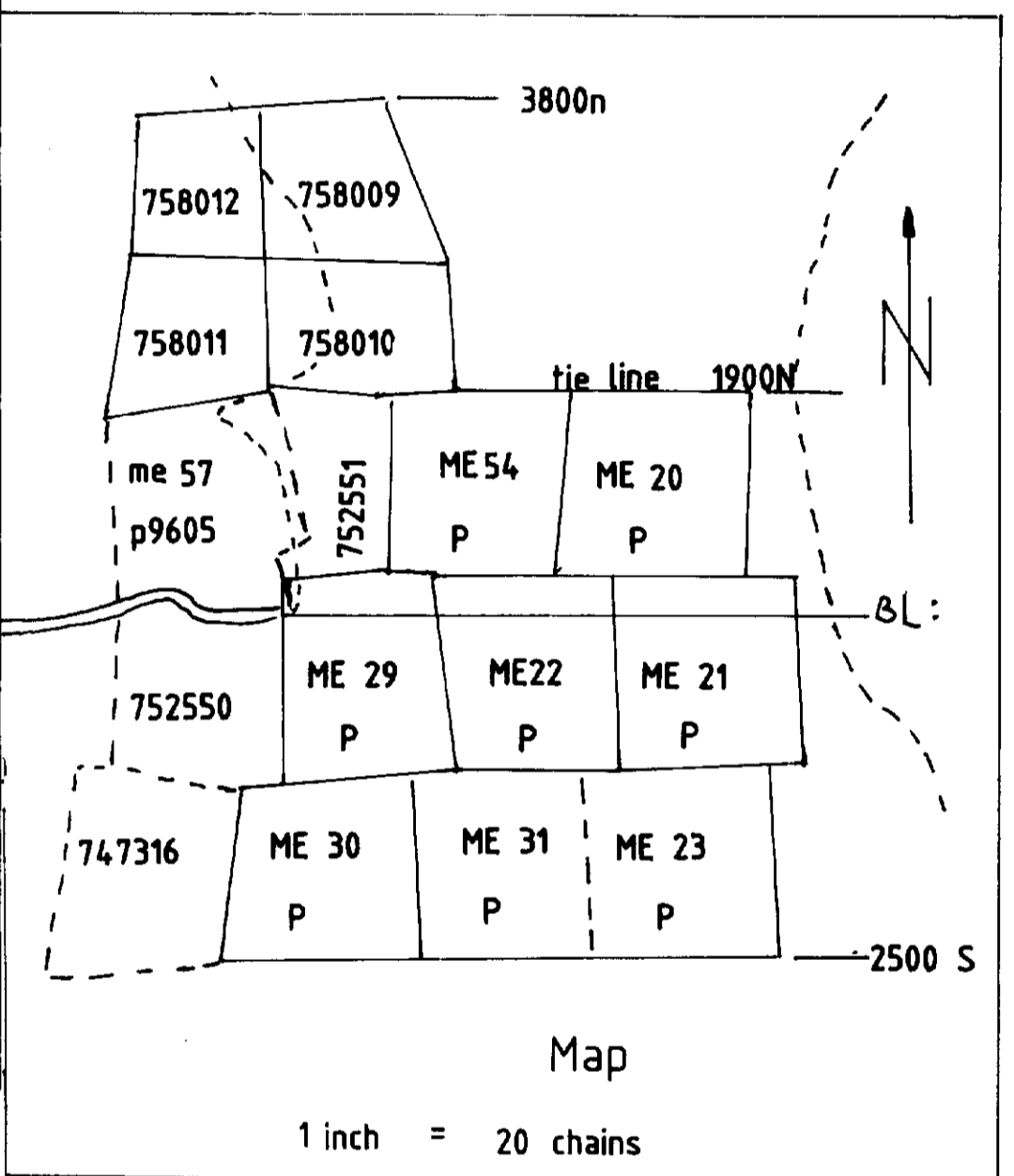
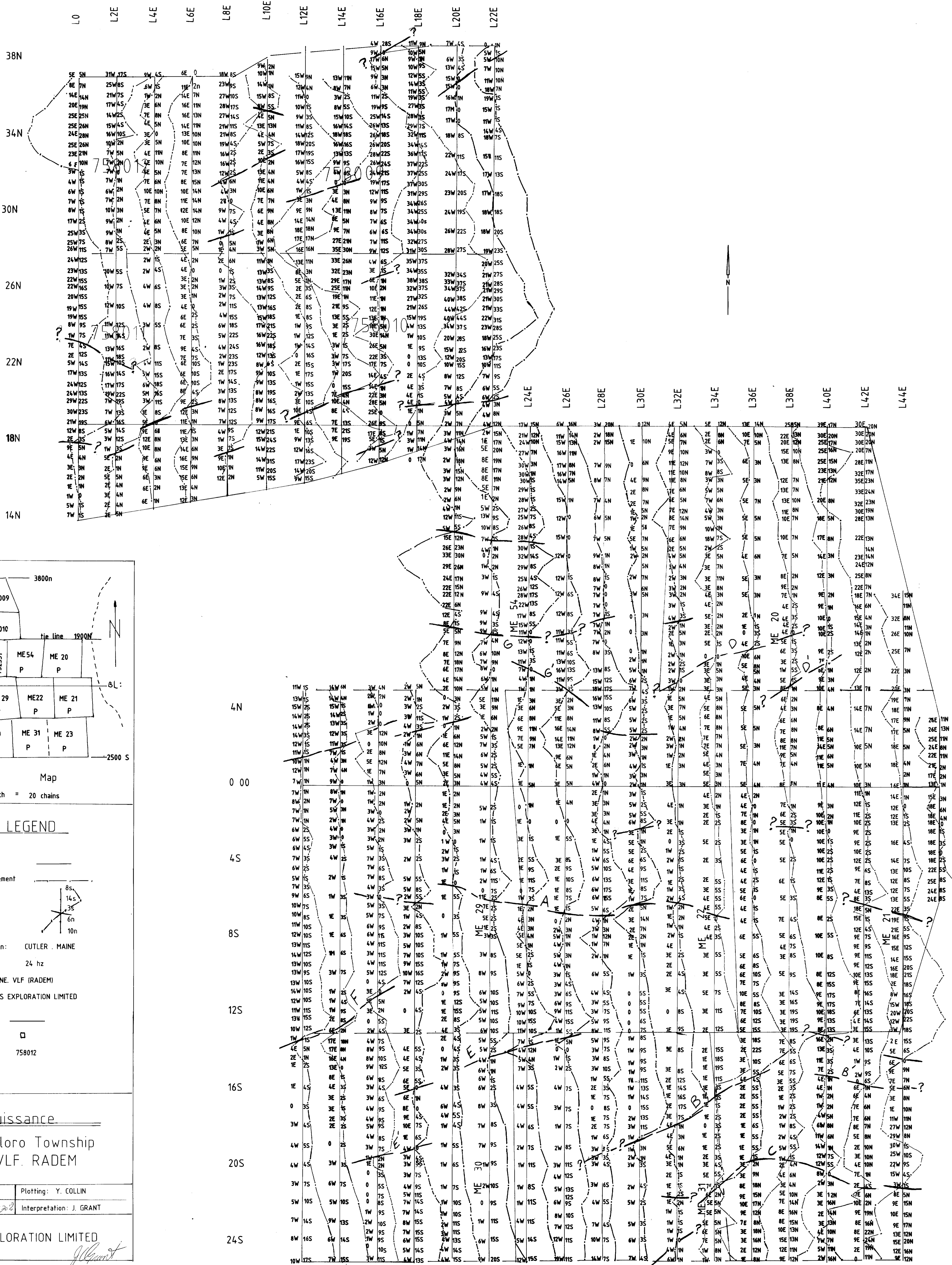
Date: May / 84 Plotting: Y. COLLIN
 Scale: 1" = 200feet Interpretation: J. GRANT

EXSICS EXPLORATION LIMITED

Transmitter Station: ANNAPOLIS, MARYLAND
 Frequency: 214 hz
 Instrument: CRONE VLF (RADEM)
 Claim Lines: _____
 Claim Posts:
 Claim Numbers: 758012

Conductor Axis: _____
 Dip Angle Measurement: _____
 True Cross-over: 6w 9w 17w 6E 14E





LEGEND

Conductor Axis

Dip Angle Measurement

True Cross-over

Transmitter Station: CUTLER, MAINE

Frequency: 24 Hz

Instrument: CRONE, VLF (RADEM)

Operator: EXSICS EXPLORATION LIMITED

Claim Lines:

Claim Posts:

Claim Numbers: 758012

Client: Puissance

Grid: Deloro Township

Survey: VLF, RADEM

Date: May /84

Plotting: Y. COLLIN

Scale: 1" = 200feet

Interpretation: J. GRANT

FXSICS EXPLORATION LIMITED

