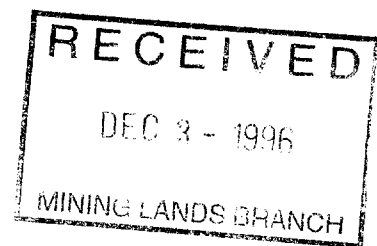


REPORT ON
GEOPHYSICAL WORK
LACARTE OPTION
NORTH WILLIAMS TOWNSHIP
FOR
FALCONBRIDGE LIMITED

NTS:41 P/6

PROJ # 8276

2.16915



Anal. #

JULY 1996

D. LONDY
TIMMINS GEOPHYSICS LTD.



SUMMARY AND RECOMMENDATIONS

Magnetic and induced polarization surveys were carried over the LaCarte Option in North Williams Township for Falconbridge Limited.

The magnetic survey mapped diabase dikes and sills and the IP survey outlined a chargeability anomaly which is on strike with a copper showing on the property.

It is recommended that further stripping is carried out on Lines 3400 to 4600 North to investigate the source of the chargeability anomalies before they are tested by drilling.

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41P06NE0028 2.16915 NORTH WILLIAMS

010C

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2. MAGNETIC RESULTS (CONTOURS)
3. MAGNETIC RESULTS (PROFILES)
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INTRODUCTION

During May and June 1996, magnetic and induced polarization (IP) surveys were carried over the LaCarte Option in North Williams Township for Falconbridge Limited. The purpose of the IP survey was to try and determine the extent of copper mineralization which was found on the property and the purpose of the magnetic survey was to map any diabase which is present.

The property is located in the southwest portion of the township, approximately 25 kilometres southeast of the village of Shining Tree, Larder Lake Mining Division (Figure 1(a)). It was accessed by travelling southwest from Shining Tree along Highway 560 for approximately 7 kilometres, east along the Sandy Lake Road and then south along lumber access roads.

The property consists of nine claims which are comprised of a total of thirty-one 40 acre claim units (Figure 1(b)). A description of the claims is given in Table 1.

CLAIM #	# OF UNITS	DESCRIPTION
L1200377	1	Browning Twp.
L1200378	1	Browning Twp.
L1202767	3	Browning Twp.
L1212028	1	Browning Twp.
L1212029	1	Browning Twp.
L1212030	2	Browning Twp.
L1223244	16	Browning Twp.
L1223266	4	Browning Twp.
L1223267	2	Browning Twp.

Table 1 : Property Description

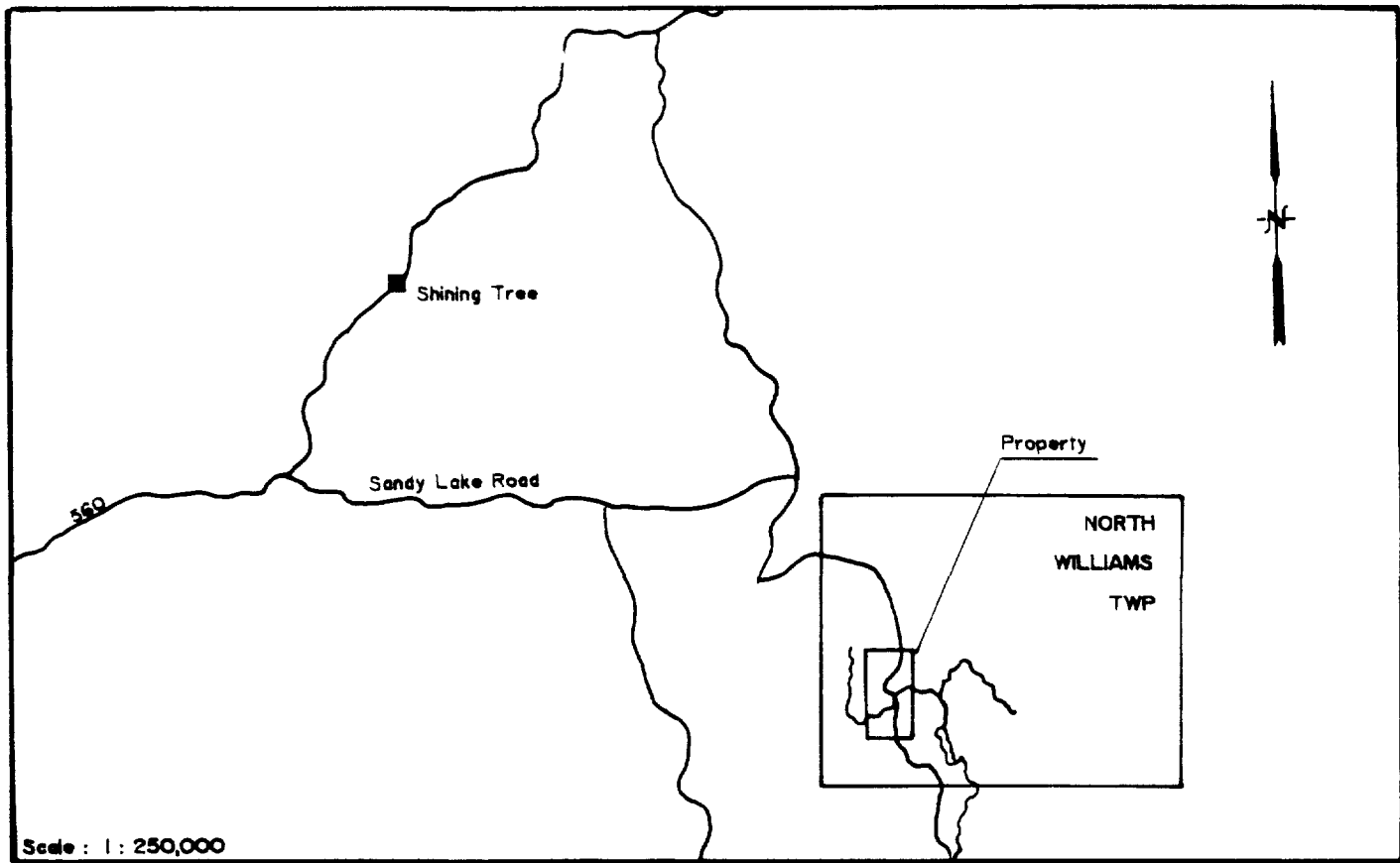


Figure 1(a) : Location Map

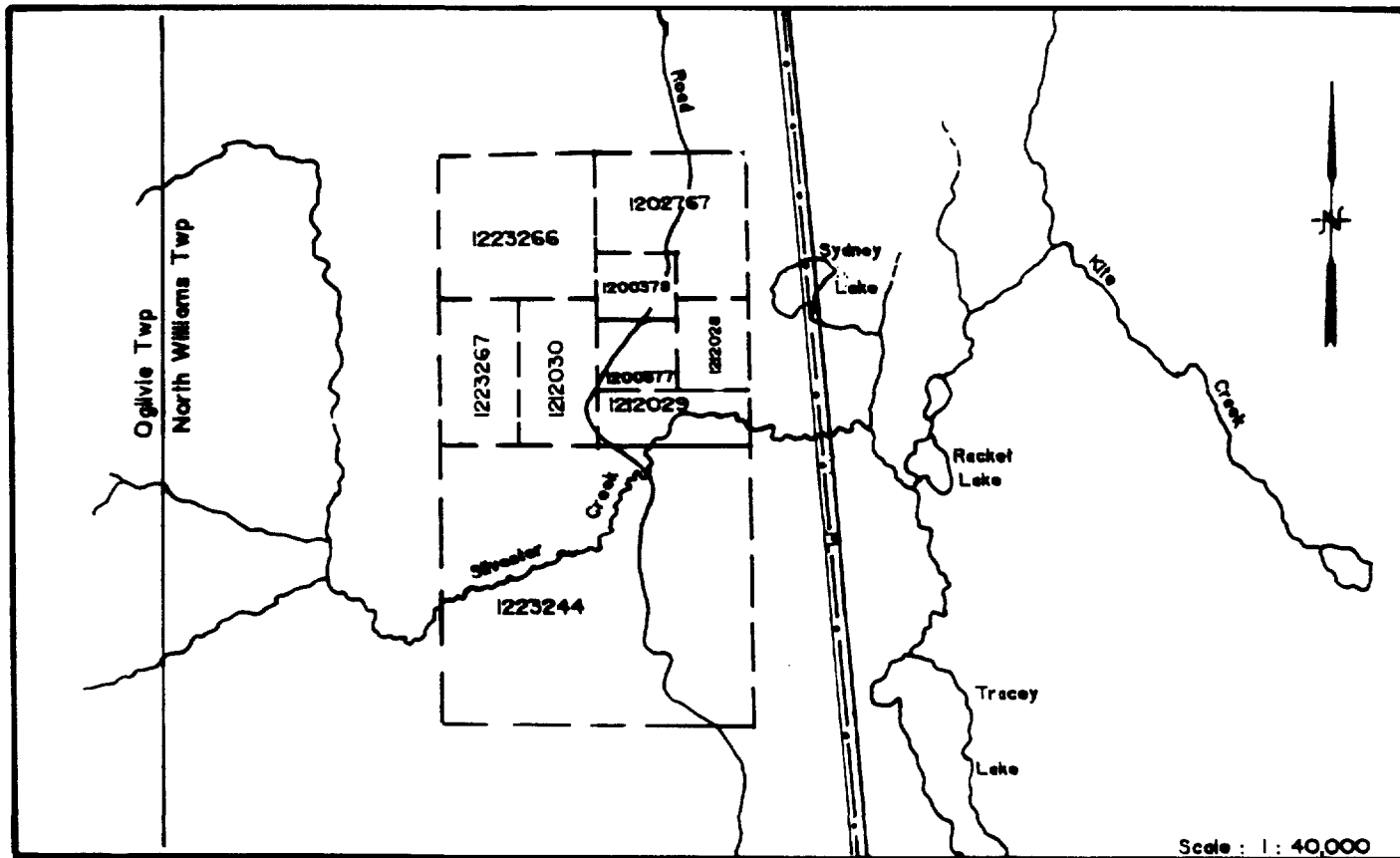


Figure 1(b) : Claim Map

The author of this report carried out the magnetic survey and was assisted by B. LeRoy and M. Gauthier in the IP survey.

GENERAL GEOLOGY

The west half of North Williams Township was mapped by D. Long and A. Colvine (1986) in 1984 and 1985 at a scale of 1:50,000. The map shows the Falconbridge property to be underlain by Huronian sandstone of the Gowganda Formation which have been intruded by Proterozoic diabase dikes and sills.

PREVIOUS WORK

There has been no previous work filed for assessment credits on the property, however, a few companies have carried out work in the area.

In the 1920's Exploration Syndicate of Ontario held 16 claims to the west of Tracey Lake over a number of silver showings. Metron Exploration Limited held 10 claims to the east of Tracey Lake and in 1971, sank two diamond drill holes. In 1983, Golden Shield Resources Limited carried out a regional mapping program in eight townships including North Williams Township; this work was initiated after a gold occurrence was reported by the O.G.S., in Huronian quartz pebble conglomerate in North Williams Township. In 1973, Extender Minerals of Canada Ltd. staked a barite showing within a Proterozoic intrusive to the east of Tracey Lake and have intermittently carried out work on the property since 1972.

SURVEY DESCRIPTIONS

A north-south base line, designated 2500 East, was established through the east half of the claim block. Orthogonal grid lines were cut every 400 metres and picketed every 20 metres. The grid extends from Line 1800 North to Line 4600 North and from 1500 East to 3100 East.

The magnetic readings were taken every 10 metres along the survey lines and base line with a Scintrex IGS-2/MP-4. This instrument is a proton precession magnetometer which measures the earth's total magnetic field to an accuracy of 0.1 gammas. Diurnal variations were monitored every 10 seconds with a Scintrex MP-3 base station magnetometer. The base station was located to the northwest of the property on the Sandy Lake Road at the same location as that used for the survey on the Asquith option.

The IP survey was carried out with the Scintrex IPR-11 time domain receiver and the Scintrex TSQ-3 3000 Watt transmitter. A gradient array was used with an 'a' spacing of 40 meters and a sample interval of 40 metres except on Lines 3800 and 3400 where readings were taken every 20 metres. The remote electrodes were located by compass and pacing at 0 East and 4600 East, 3200 North.

Line 3800 North was also surveyed using a pole dipole array and 'a' spacing of 40 metres; readings were taken for 'n' values of 1 and 2. The remote electrode used in this survey was located at 0 East, 3200 North.

The current on-off time is two seconds. With the IPR-11, integration takes place during ten time intervals or 'slices', after shut-off; Table 2 lists the delay and integration times for each slice.

SLICE	DELAY TIME (MS)	INTEGRATION TIME (MS)
0	30	30
1	60	30
2	90	30
3	120	30
4	150	180
5	330	180
6	510	180
7	690	360
8	1050	360
9	1410	360

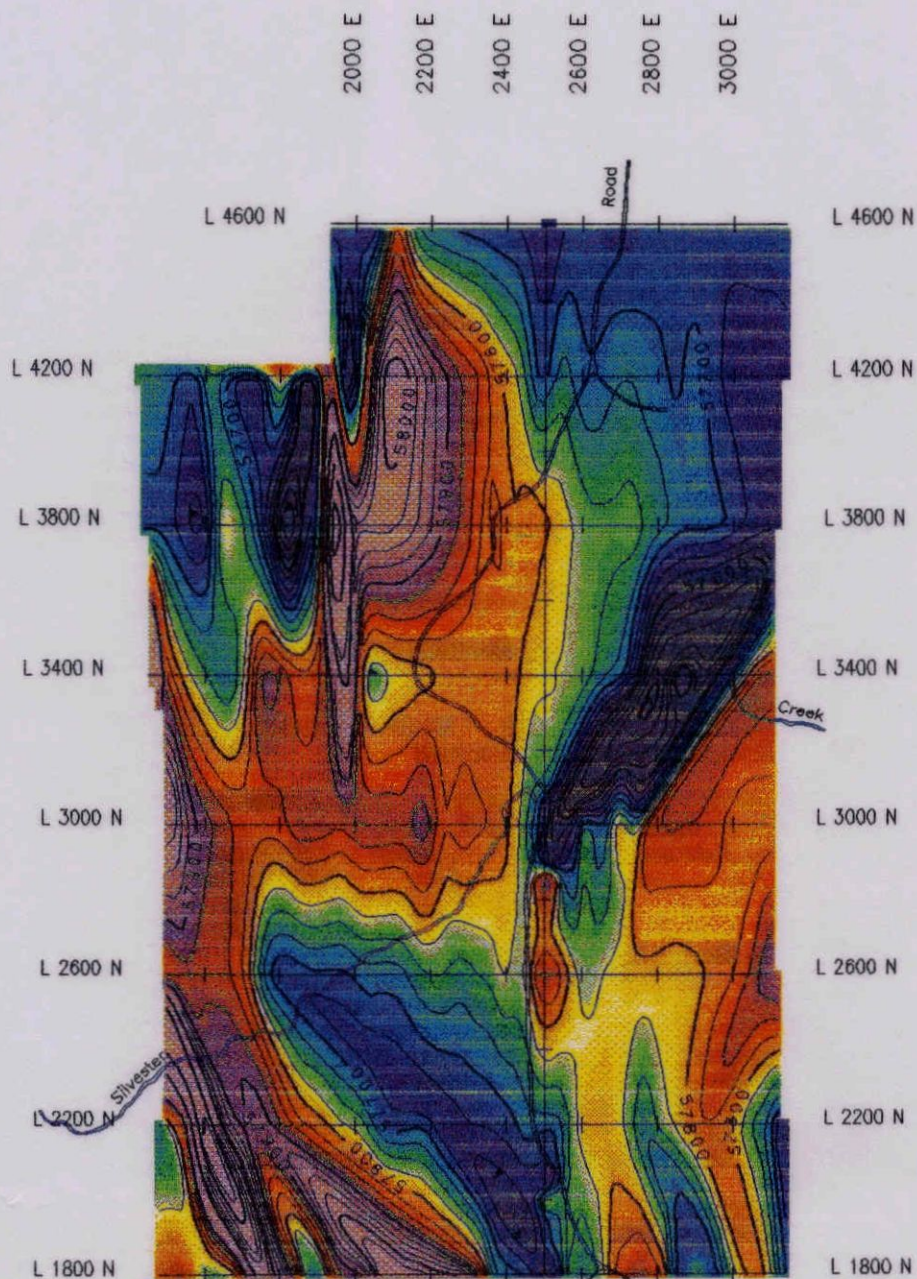
Table 2: Delay and integration times of the Scintrex IPR-11 IP receiver.

MAGNETIC RESULTS

The magnetic results are plotted on three plan maps found in the pockets at the back of this report. The values are posted on Map 1, contoured on Map 2 and profiled on Map 3. A colour image of the total magnetic field is given in Figure 2 at a scale of 1:15000.

A linear north-south striking magnetic high between 1960 East on Line 3400 North and 1920 on Line 4200 North most likely represents a diabase dike. The source of the asymmetrical anomaly directly to the east of the dike may be a diabase sill which dips to the east. If this is the case, then the proximity and extent of these two anomalies supports the idea that the dykes are 'feeders' for the sills.

The small magnetic high along the base line at 2600 North coincides with a hill which has been mapped as diabase by Long (1986). This anomaly can be aligned with weaker anomalies to the south in a south southeast strike.



LEGEND

Instrument : Scintrex IGS-2/MP-4
 Type : Total Field Proton Precession
 Gridded By : Geosoft Bigrid
 Cell Size : 10 metres
 Filter : 2 Pass 9 Point Hanning
 Contour Interval : 50 nT

Scale : 1:15,000

Figure 2 : Colour Image of Total Magnetic Field, Lacarte Option

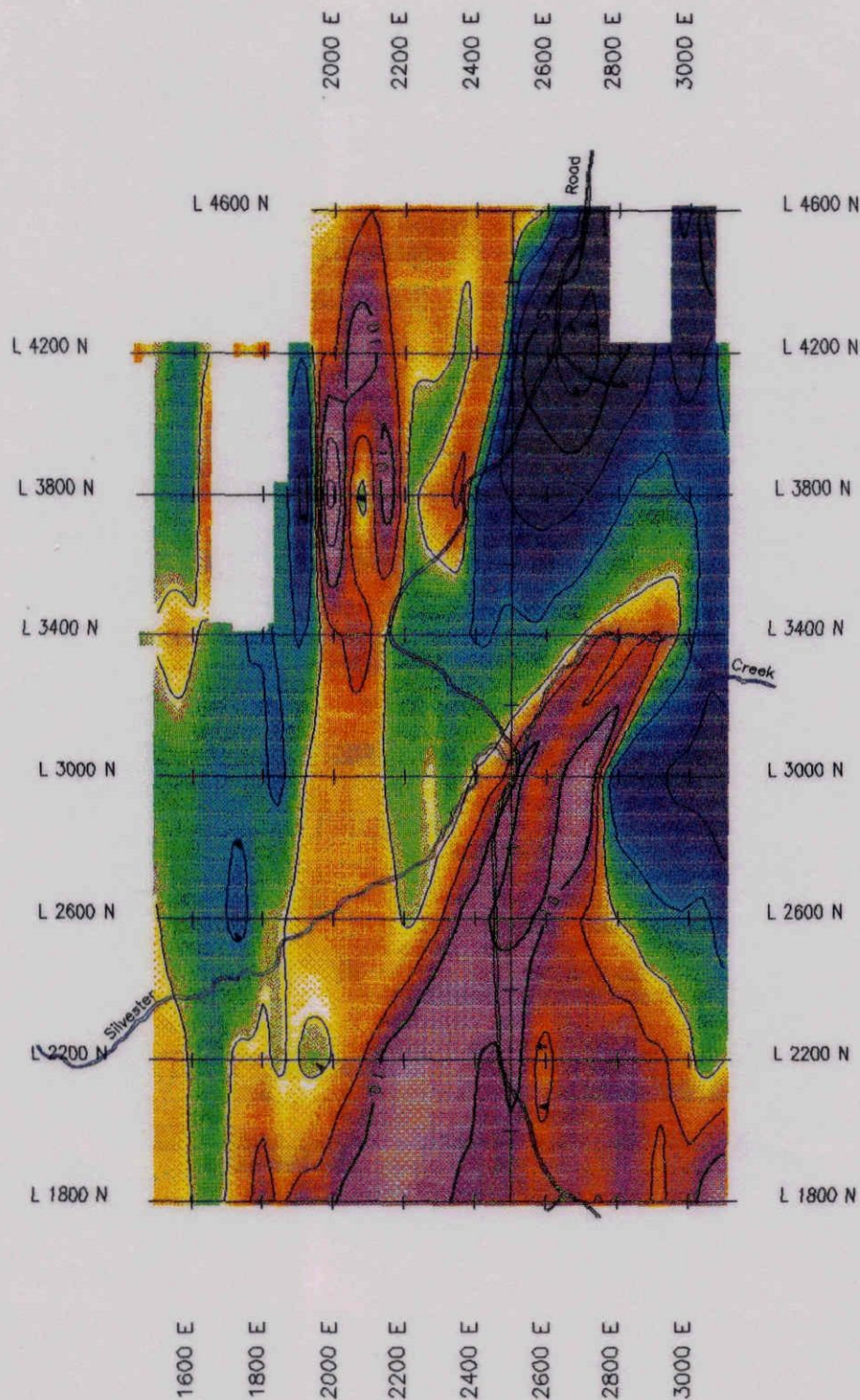
Magnetic high anomalies in the southwest corner and along the western edge of the survey area have been trended in a north northwest direction and anomalies in the southeast corner have been trended in a north northeast direction in Figure 2. Both of these areas are also likely underlain by diabase dikes or sills.

IP RESULTS

The M5 chargeability and IP resistivity from the gradient survey are plotted on maps 4 and 5 respectively, at a scale of 1:5000; the chargeability data are contoured every 1 ms and the resistivity data are contoured every 500 ohm-m. A colour image of the data is presented in Figures 3 and 4. The results from the pole dipole survey are plotted in pseudo-section form on map 6.

Two areas of anomalous chargeability were outlined in the IP survey. One is located in the southeast corner of the property and has a north-south to north northeast strike. This area corresponds with an area mapped as Proterozoic diabase by Long (1986), however, it has a negative correlation with the magnetic results.

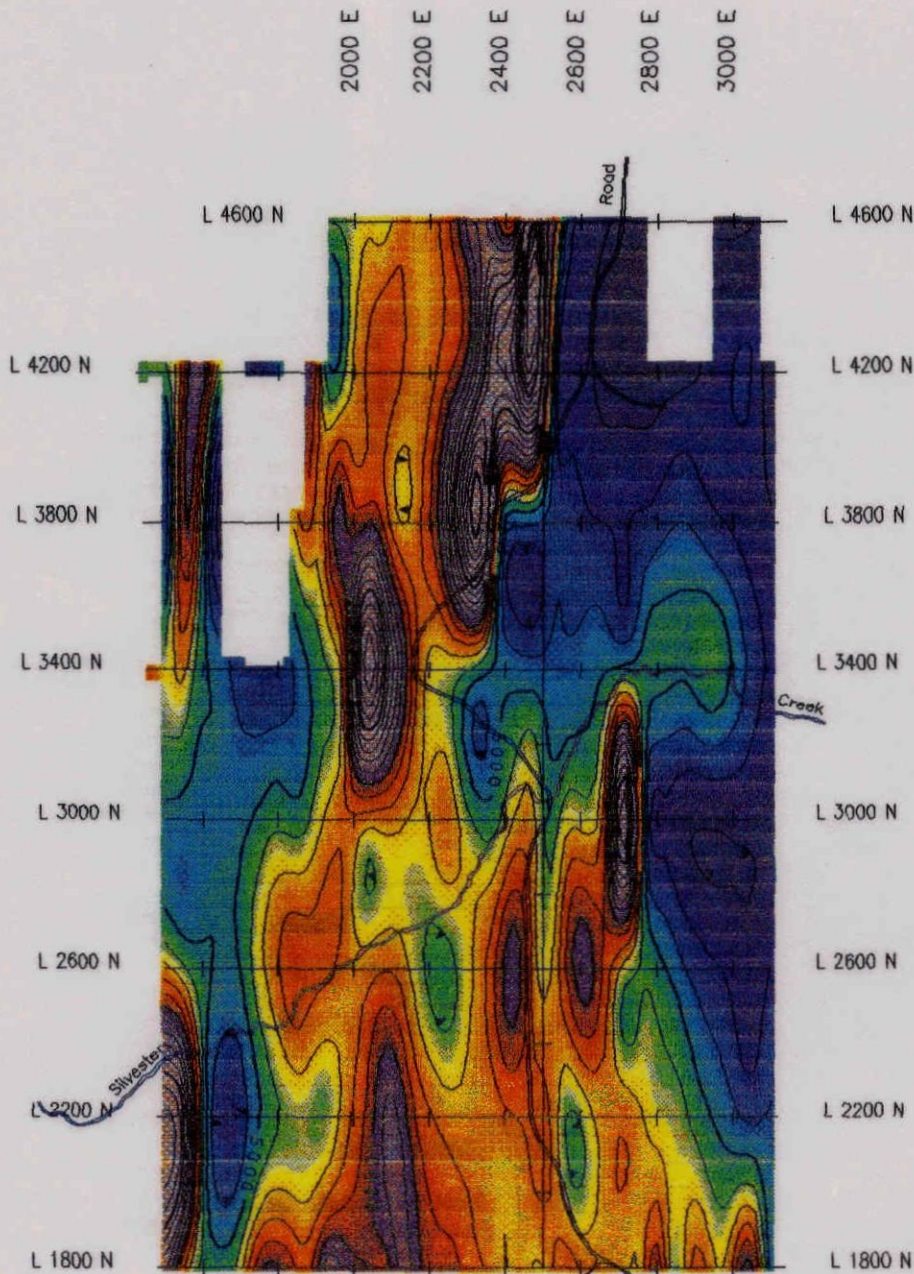
The second anomalous area strikes north-south through the west half of the property. On Line 3800 North, it is located between 1980 and 2360 East and consists of three separate chargeability highs (Figure 5). The magnetic results suggest that it is related to a diabase sill or to the rocks overlying a sill. It also has a coincident resistivity high which is, no doubt, partly due to the shallower overburden. The copper showing, which is located between Lines 3400 and 3800 North, is on strike with the most easterly chargeability high. To the



LEGEND

Instrument : Scintrex IPR-11
 Type : Time Domain Spectral
 Transmitter : Scintrex TSQ-3
 Array : Gradient
 'A' Spacing : 40 metres
 On-Off Time : 2 seconds
 Delay Time : 330 ms
 Integration Time : 180 ms
 Gridded By : Geosoft Bigrid
 Cell Size : 20 metres
 Contour Interval : 1 ms
 Scale : 1:20,000

Figure 3 : Colour Image of M5 Chargeability, Lacarte Option



LEGEND

Instrument : Scintrex IPR-11
 Type : Time Domain Spectral
 Transmitter : Scintrex TSQ-3
 Array : Gradient
 'A' Spacing : 40 metres
 On-Off Time : 2 seconds
 Gridded By : Geosoft Bigrid
 Cell Size : 20 metres
 Contour Interval : 1000 ohm-m
 Scale : 1:20,000

Figure 4 : Colour Image of IP Resistivity, Lacarte Option

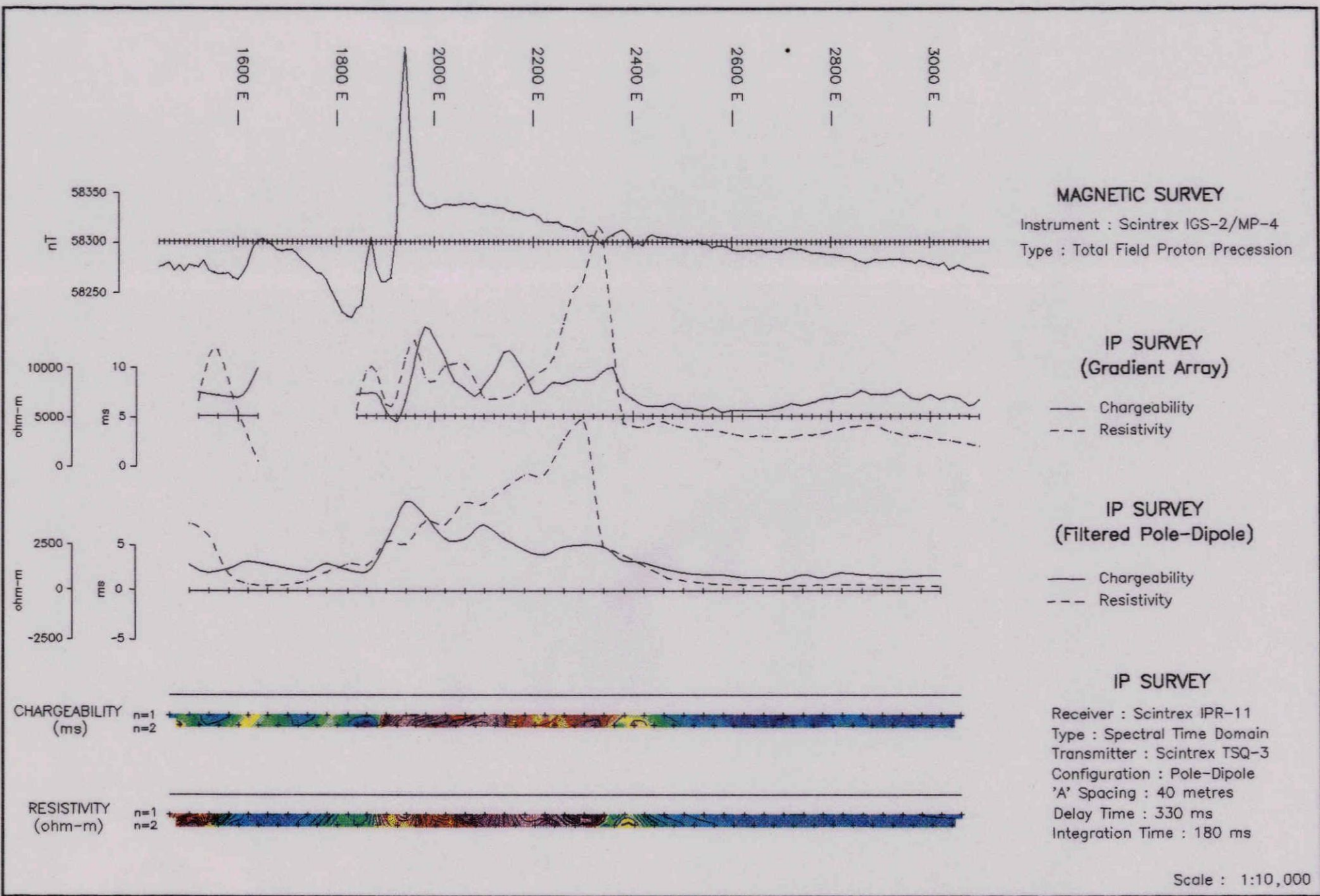


Figure 5 : Geophysics Compilation, Line 3800 North

south of Line 3400 North, over deeper overburden, there is only one chargeability anomaly. The amplitude of the anomaly is lower and there is no magnetic anomaly associated with it.

The results of the pole dipole survey along Line 3800 North are plotted with the results from the gradient survey in Figure 5. The signature from both IP surveys are very similar, however the anomalies in the pole dipole profile are 40 metres to the west of those in the gradient profile; the plotting point used in the pole dipole survey is half way between the moving current electrode and the nearest potential electrode.

August 13/96
DATE

D. Londonky
D. LONDONKY
TIMMINS GEOPHYSICS LTD.

REFERENCES**LONG, D.G.F. and COLVINE, A.C.**

1986: Geology of the Huronian Strata in Part of the Northwestern Cobalt Plain, Including Sheard, Ogilvie, Amyot, Browning, Hodggets, Unwin, Lampman and Leask Townships and Parts of North Williams, Dufferin, Stull, Valin and Marshay Townships, Districts of Timiskaming and Sudbury; Ontario Geological Survey, Map P.3048. Geological Series Preliminary Map, scale 1:50,000. Geology 1984 and 1985.

ONTARIO GEOLOGICAL SURVEY

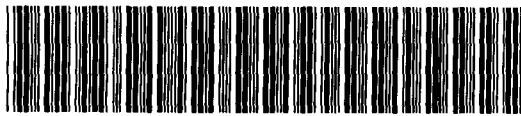
1991: North Williams Township, Geological Data Inventory Folio 570; compiled by the staff of the Resident Geologist's Office, Cobalt.

Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use) W9680.00593
Assessment Files Research Imaging

Personal Information Mining Act, the inform Questions about this 933 Ramsey Lake Rc



66(3) of the Mining Act. Under section 8 of the work and correspond with the mining land holder. Northern Development and Mines, 6th Floor.

900

2.16915

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)

Name FALCONBRIDGE LIMITED	Client Number 130679
Address P.O. BOX 1140, 571 MOWETA AVE	Telephone Number (705) 267-1188
TIMMINS, ONTARIO P4N 7H9	Fax Number (705) 264-6080
Name	Client Number
Address	Telephone Number
	Fax Number

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 LINECUTTING, MAG & IP SURVEYS	Office Use
	Commodity
	Total \$ Value of Work Claimed 1350
Dates Work Performed From 15 MAY 96 To 15 July 96	NTS Reference
Global Positioning System Data (if available)	Mining Division Under Sale
Township/Area NORTH WILLIAMS	Resident Geologist District KURT MINING LANDS BRANCH
M or G-Plan Number	

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 Doug Lowdry - Timmins Geophysics	Telephone Number (705) 523-5479
Address 547 Loch's Road, Sudbury, P3E 2R3	Fax Number
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

Certification by Recorded Holder or Agent

MIKE COLLISON (Print Name), 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 and after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>[Signature]</i>	Date 28 Nov 96
Name's Address P.O. BOX 1140, 571 MOWETA AVE Timmins, ON P4N 7H9	Telephone Number (705) 267-1188
	Fax Number (705) 264-6080

an only be assigned to claims that are contiguous (adjoy
 ime work was performed. A map showing the contiguous

Number. C
 one on other e
 and, show in the
 the location number
 ated on the claim map.
 TP
 89

Value of work ed on this other and.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of w to be distributed at a future date.
825	N/A	\$24,000	\$2,825
0	\$24,000	0	0
892	\$ 4,000	0	\$4,892
36			236
6			236
8			708
6			236
36			236
72			472
30			3830
44			944
72			472
70			7370

do hereby certify that the above work credits are eligible under
 3/96 for assignment to contiguous claims or for application to

attached Date

ot approved.

e cut back. Please check (✓) in the boxes below to show how

- Bank first, followed by option 2 or 3 or 4 as indicated.
- with the claims listed last, working backwards; or
- over all claims listed in this declaration; or
- tized on the attached appendix or as follows (describe):

o be deleted, credits will be cut back from the Bank first,

Deemed Approved Date 9 Feb 27.	Date Notification Sent
Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature) <i>[Signature]</i>	

eg	Number, Or If none on other eligible and, show in this the location number listed 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	\$28,825	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 ✓	1200377	1	236			236
2 ✓	1200378	1	236			236
3 ✓	1202767	3	708			708
4 ✓	1212028	1	236			236
5 ✓	1212029	1	236			236
6 ✓	1212030	2	472			472
7 ✓	1223244	16	3830			3830
8 ✓	1223266	4	944			944
9 ✓	1223267	2	472			472
10						
11						
12						
13						
14						
15						
Column Totals			7370			7370

9 Claims
31 Units

2.16915

I, MIKE COLWSON (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/86 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: [Signature] Date: 28 Nov 96

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):

RECEIVED
 DEC 3 - 1996
 MINING LANDS BRANCH

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
NOV 28 1996		
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)		

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, the 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 the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
LINE CUTTING	16 km	\$240/km	3840
MAG SURVEY	16 km	\$80/km	1280
I.P. SURVEY	3 DAYS	\$600/DAY	1800
FIELD SUPERVISION	3 DAYS	\$150/DAY	450
Associated Costs (e.g. supplies, mobilization and demobilization).			
			2.16915
Transportation Costs			
Food and Lodging Costs			
Total Value of Assessment Work			7370

RECEIVED
 DEC 3 - 1996
 MINING LANDS BRANCH

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. If this situation applies to your claims, use the calculation below:

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. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, MIKE COLLISON (please print full name), 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 FIELD GEOLOGIST I am authorized (recorded holder, agent, or state company position with signing authority) to make this certification.

Signature	Date
<i>Mike Collison</i>	28 Nov 96

February 4, 1997

Roy Spooner
Mining Recorder
4 Government Road East
Kirkland Lake, ON
P2N 1A2

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

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

Dear Sir or Madam:

Submission Number: 2.16915

Status

Subject: Transaction Number(s): W9680.00593 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.

NOTE: This correspondence may affect the status of your mining lands. Please contact the Mining Recorder to determine the available options and the status of your claims.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at jerome_l@torv05.ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,



ORIGINAL SIGNED BY
Ron C. Gashinski
Senior Manager, Mining Lands Section
Mines and Minerals Division

Work Report Assessment Results

Submission Number: 2.16915

Date Correspondence Sent: February 04, 1997

Assessor: Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9680.00593	1200377	NORTH WILLIAMS	Approval	February 03, 1997

Section:

14 Geophysical IP
14 Geophysical MAG

Correspondence to:

Mining Recorder
Kirkland Lake, ON

Resident Geologist
Kirkland Lake, ON

Assessment Files Library
Sudbury, ON

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

Mike Collison
FALCONBRIDGE LIMITED
Timmins, ONTARIO

INDEX TO LAND DISPOSITION

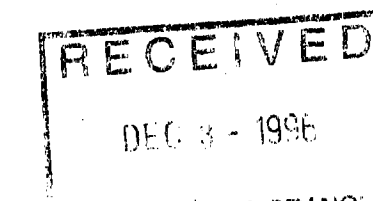
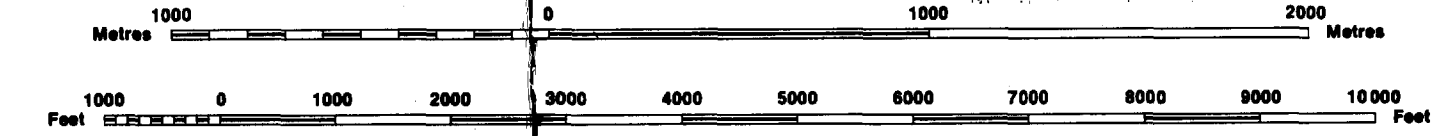
PLAN
G-3694
 TOWNSHIP

M.N.R. ADMINISTRATIVE DISTRICT
KIRKLAND LAKE
 MINING DIVISION
LARDER LAKE
 LAND TITLES/REGISTRY DIVISION
TIMISKAMING

NORTH WILLIAMS

2.16915

Scale 1:20 000



200
SYMBOLS

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
 SRO - Surface Rights Only
 M+S - Mining and Surface Rights

Description Order No. Date Disposition File

Boundary	.....
Township, Meridian, Baseline	.....
Road allowance; surveyed	.....
shoreline	.....
Lot/Concession; surveyed	.....
unsurveyed	.....
Parcel; surveyed	.....
unsurveyed	.....
Right-of-way; road	.....
railway	.....
utility	.....
Reservation	.....
Cliff, Pit, Pile	.....
Contour	.....
Interpolated	.....
Approximate	.....
Depression	.....
Control point (horizontal)	.....
Flooded land	.....
Mine head frame	.....
Pipeline (above ground)	.....
Railway; single track	.....
double track	.....
abandoned	.....
Road; highway, county, township	.....
access	.....
trail, bush	.....
Shoreline (original)	.....
Transmission line	.....
Wooded area	.....

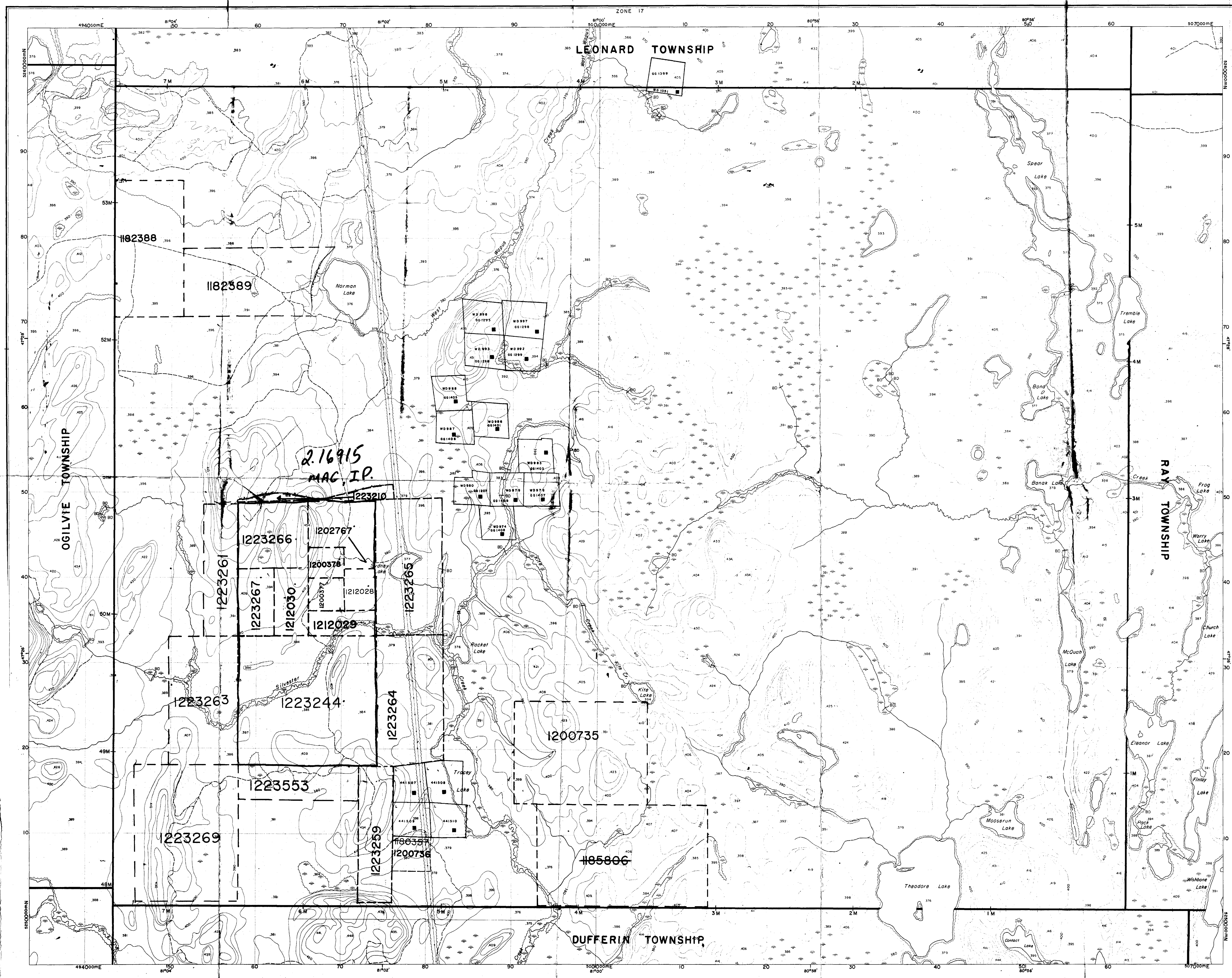
DISPOSITION OF CROWN LANDS

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	.....
Cancelled	.....
Reservation	.....
Sand & Gravel	.....

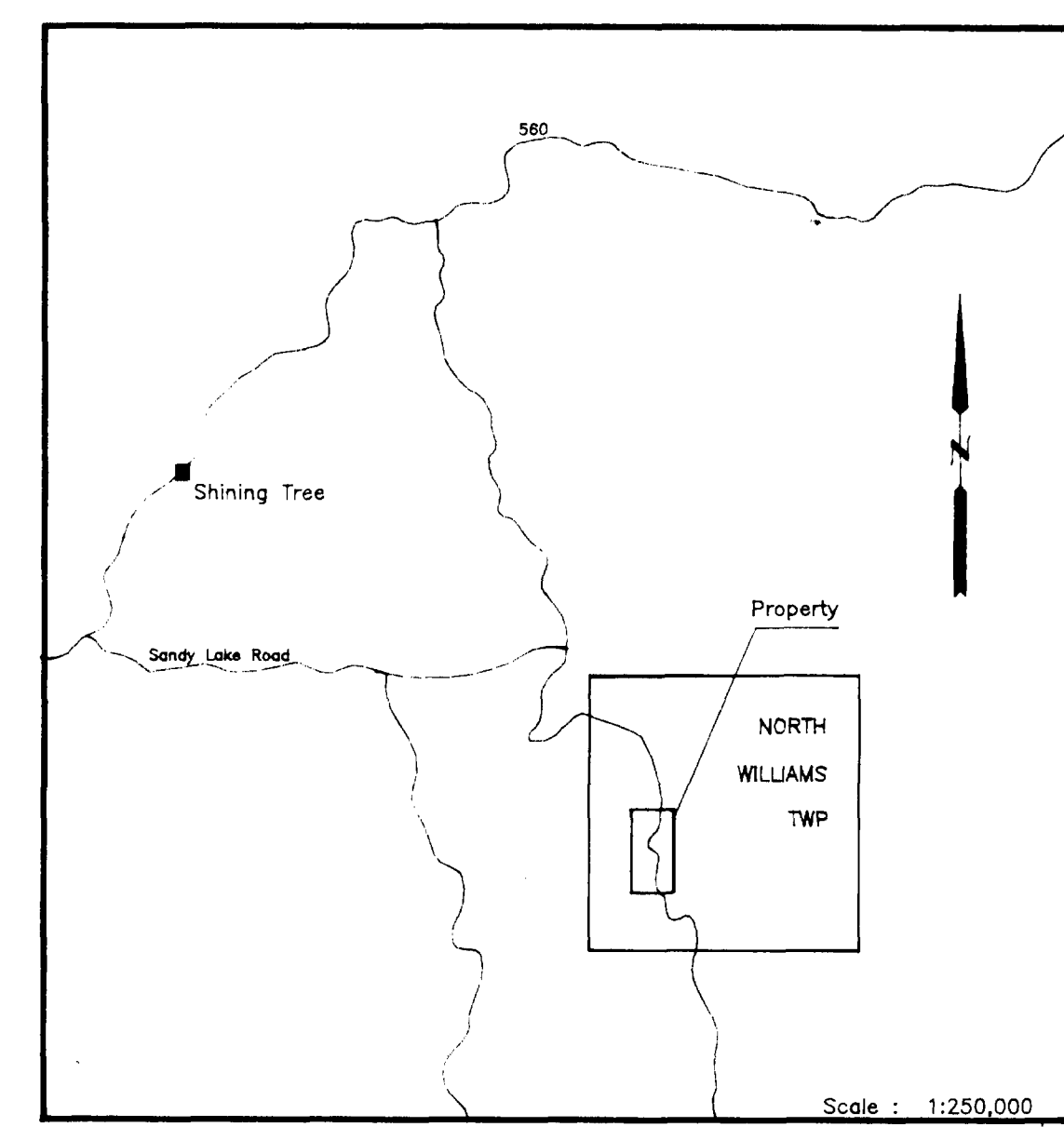
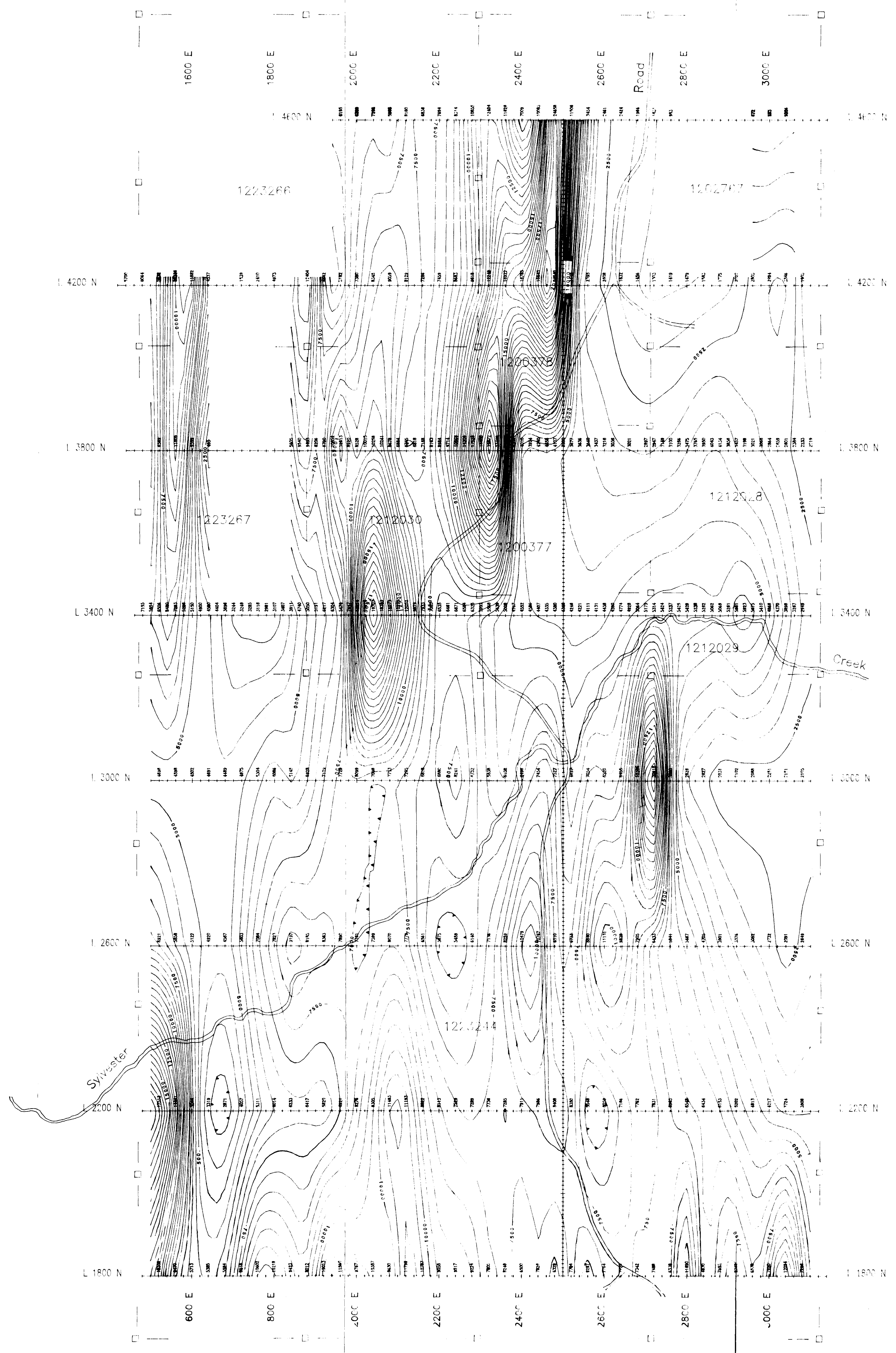
"THIS MAP SHOWS THE APPROXIMATE LOCATION OF THE BOUNDARIES OF THE AREA WHICH IS THE SUBJECT OF CURRENT LITIGATION. THE EXACT LOCATION WILL BE SHOWN FOLLOWING CONFIRMATION BY THE PARTIES TO THE ACTION."

ARCHIVED SEP 19, 1996
 ARCHIVED FEB 22, 1995
 CIRCULATED AUG. 19, 1992 B.R.B.

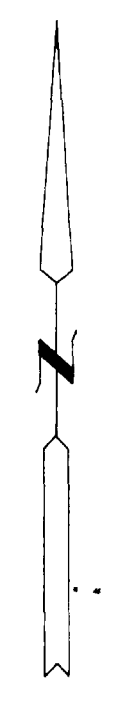
THE INFORMATION APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND IS NOT GUARANTEED. THE USER ASSUMES ALL LIABILITY FOR ANY DAMAGE RESULTING FROM THE USE OF THIS INFORMATION. THE INFORMATION IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PROVIDED.



2.16915
 MAC, I.P.



INDEX MAP



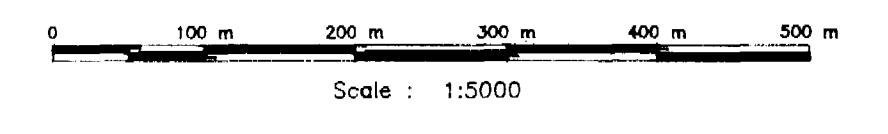
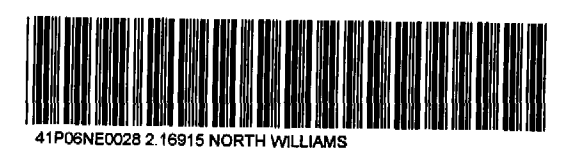
LEGEND

Receiver : Sointrex IPR-11
 Type : Time Domain Spectral
 Transmitter : Sointrex TSG-3, 3 KW
 Array : Gradient
 'A' Spacing : 40 metres
 On-Off Time : 2 Seconds
 Delay Time : 330 ms
 Integration Time : 180 ms

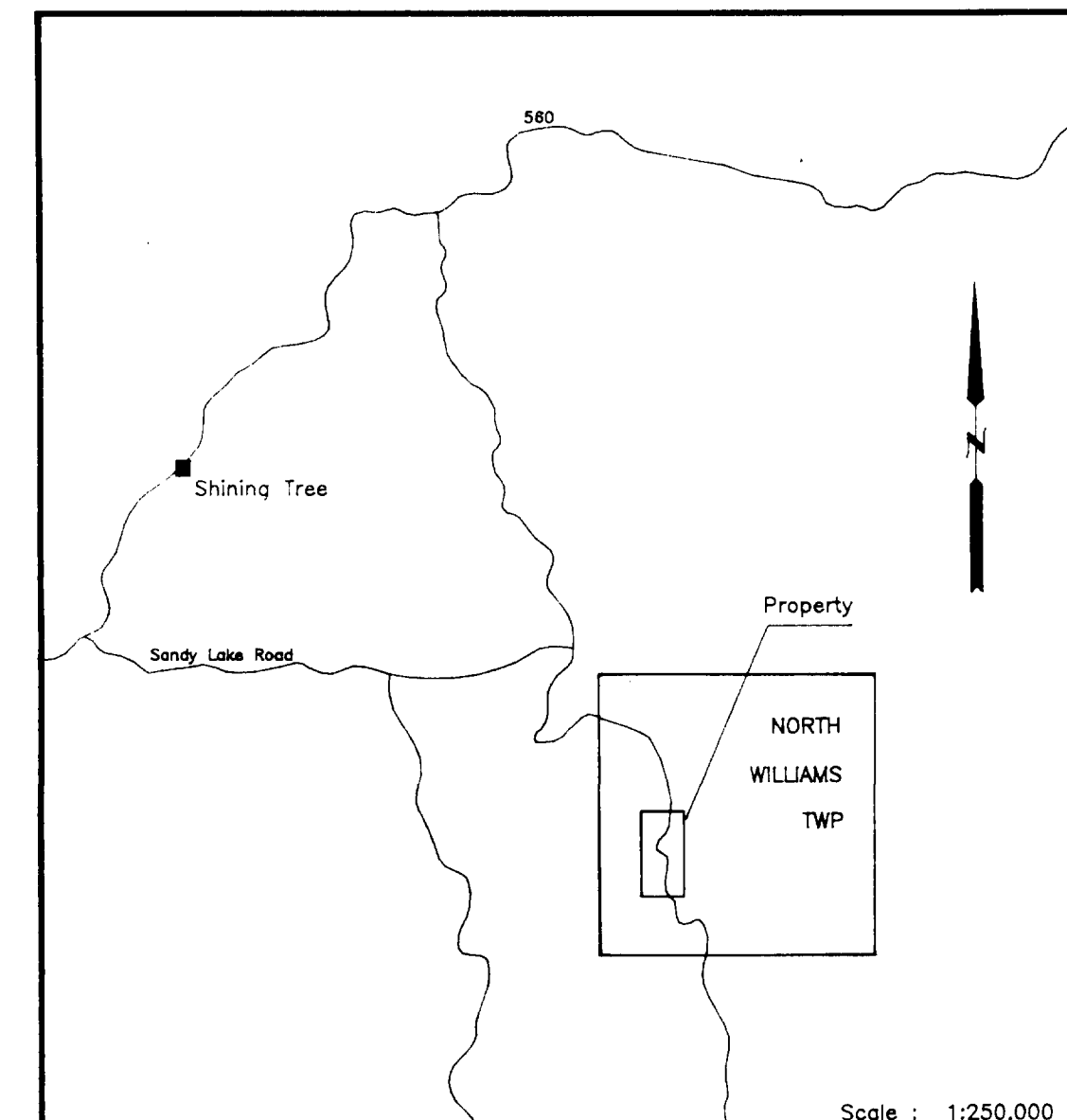
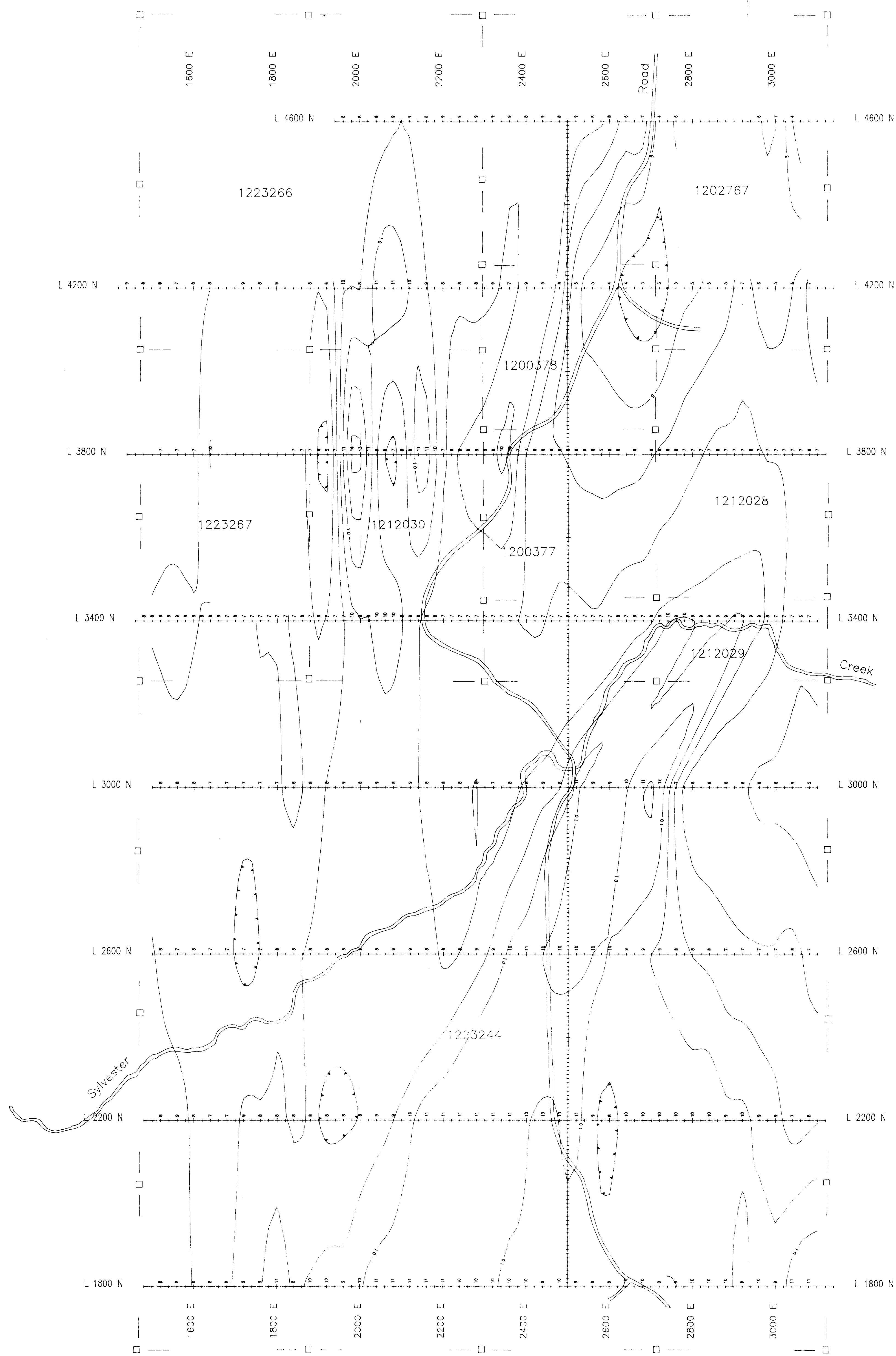
Gridded by : Geosoft Bigrid
 Cell Size : 40 metres
 Filter : 2 Passes 9 Point Hanning
 Contour Interval : 500 ohm-m

- AM POSTS
- Located
- Unlocated

2.16915



FALCONBRIDGE LIMITED	
IP RESISTIVITY	
LACARTE OPTION	
NORTH WILLIAMS TOWNSHIP	
PROJ # 8274	NTS : 41 P/6
File : WLP.Y2Z	Date : June, 1996
WORK BY :	Timmins Geophysics Ltd.



INDEX MAP



LEGEND

Receiver : Scintrex IPR-11
 Type : Time Domain Spectral
 Transmitter : Scintrex TSQ-3, 3 KW
 Array : Gradient
 'A' Spacing : 40 metres
 On-Off Time : 2 Seconds
 Delay Time : 330 ms
 Integration Time : 180 ms
 Gridded by : Geosoft Bgrid
 Cell Size : 40 metres
 Filter : 2 Passes 9 Point Hanning
 Contour Interval : 1 ms

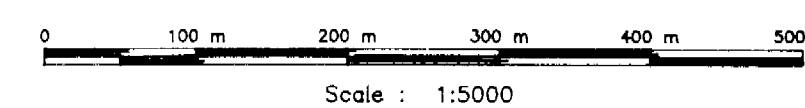
CLAIM POSTS

- Located
- Unlocated

2.16915



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FALCONBRIDGE LIMITED

M5 CHARGEABILITY
 LACARTE OPTION
 NORTH WILLIAMS TOWNSHIP

PROJ # 8274

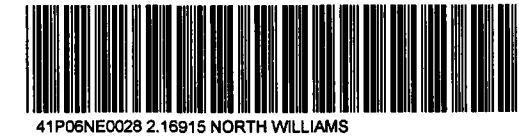
NTS : 41 P/6

File : WILP.XYZ

Date : June, 1996

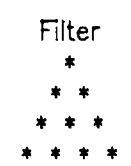
WORK BY :

Timmins Geophysics Ltd.

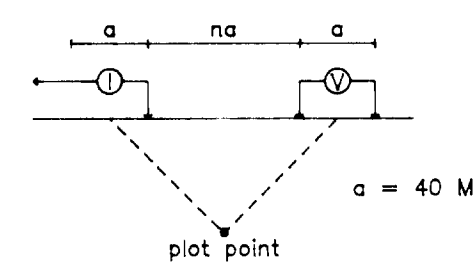


Line 3800 N

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Pole-Dipole Array



Receiver: Scintrex IPR-11
Type: Spectral Time Domain
Transmitter: Scintrex TSQ-3, 3kW
Delay Time: 150 ms
Integration Time: 180 ms

CONTOUR INTERVALS

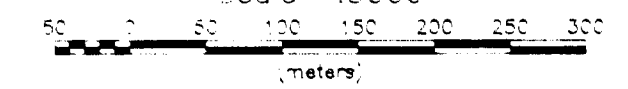
Resistivity: log
Chargeability: 1 ms
Metal Factor: log

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ..

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▽ Low resistivity feature.

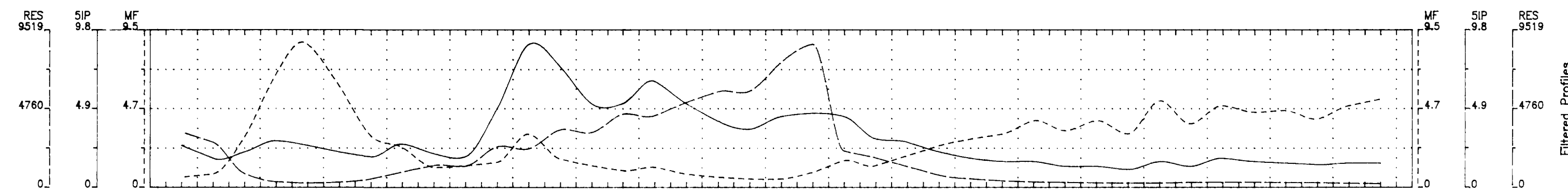
Scale 1:5000



FALCONBRIDGE LIMITED
INDUCED POLARIZATION SURVEY
LACARTE OPTION
NORTH WILLIAMS TOWNSHIP

Date: 06/96
Interpretation: D. Londry

Timmins Geophysicists Ltd.



RESISTIVITY (ohm-m)

	15+20 E	16+00 E	16+80 E	17+60 E	18+40 E	19+20 E	20+00 E	20+80 E	21+60 E	22+40 E	23+20 E	24+00 E	24+80 E	25+60 E	26+40 E	27+20 E	28+00 E	28+80 E	29+60 E	30+40 E																					
n=1	3345	2727	835	333	250	302	504	928	1325	1276	2480	2336	3483	3313	4429	4336	5134	5768	5817	7578	8654	2186	1774	1257	730	511	301	320	288	287	250	253	289	298	298	275	287	232	218		
n=2	2779	2855	3036	1098	334	184	234	363	748	1370	1052	2682	1934	3619	3010	5256	4360	5136	6005	6174	8998	13K	2833	1860	928	515	383	301	248	227	209	193	185	223	224	244	217	218	183	183	183

filter

RESISTIVITY (ohm-m)

CHARGEABILITY (ms)

	15+20 E	16+00 E	16+80 E	17+60 E	18+40 E	19+20 E	20+00 E	20+80 E	21+60 E	22+40 E	23+20 E	24+00 E	24+80 E	25+60 E	26+40 E	27+20 E	28+00 E	28+80 E	29+60 E	30+40 E																					
n=1	2.6	1.8	2.2	2.9	2.6	2.2	1.9	2.7	2.1	1.9	4.9	8.9	7.5	5.2	5.2	6.6	5.2	4.1	3.6	4.4	4.6	4.4	3	2.8	2.2	1.8	1.6	1.6	1.3	1.3	1.1	1.6	1.3	1.8	1.8	1.5	1.4	1.5	1.5		
n=2	1.4	2.5	1.5	1.8	3	2.6	2.1	1.5	2.7	2.4	2.3	3.8	9.7	9.9	5.5	3.5	6.2	5.2	4.1	3	4.8	4.3	4.7	3	2.7	2	1.7	1.3	1.5	1.1	1.4	.70	1.5	1.1	1.7	1.5	1.5	1.2	1.3	1.2	1.2

filter

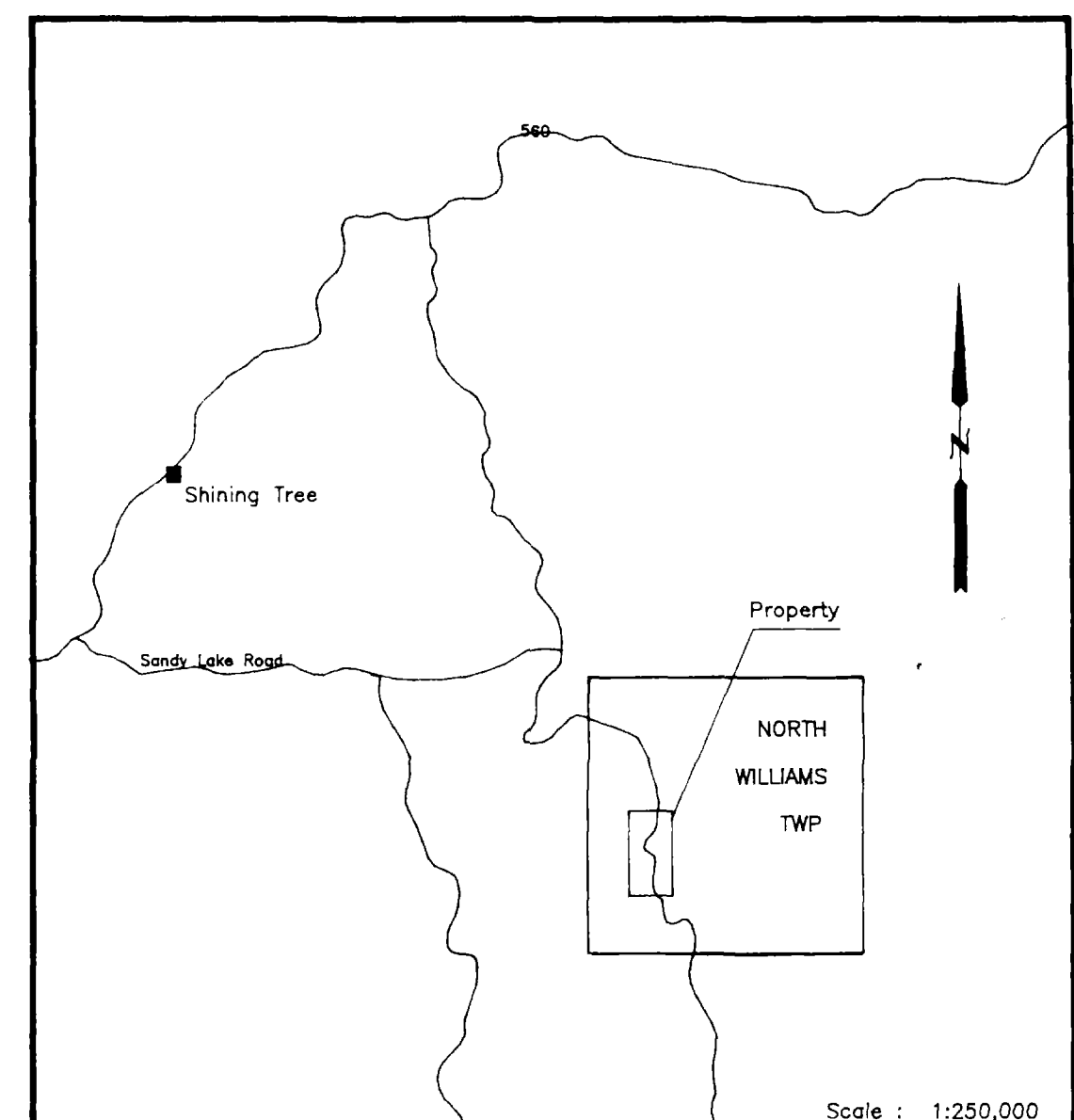
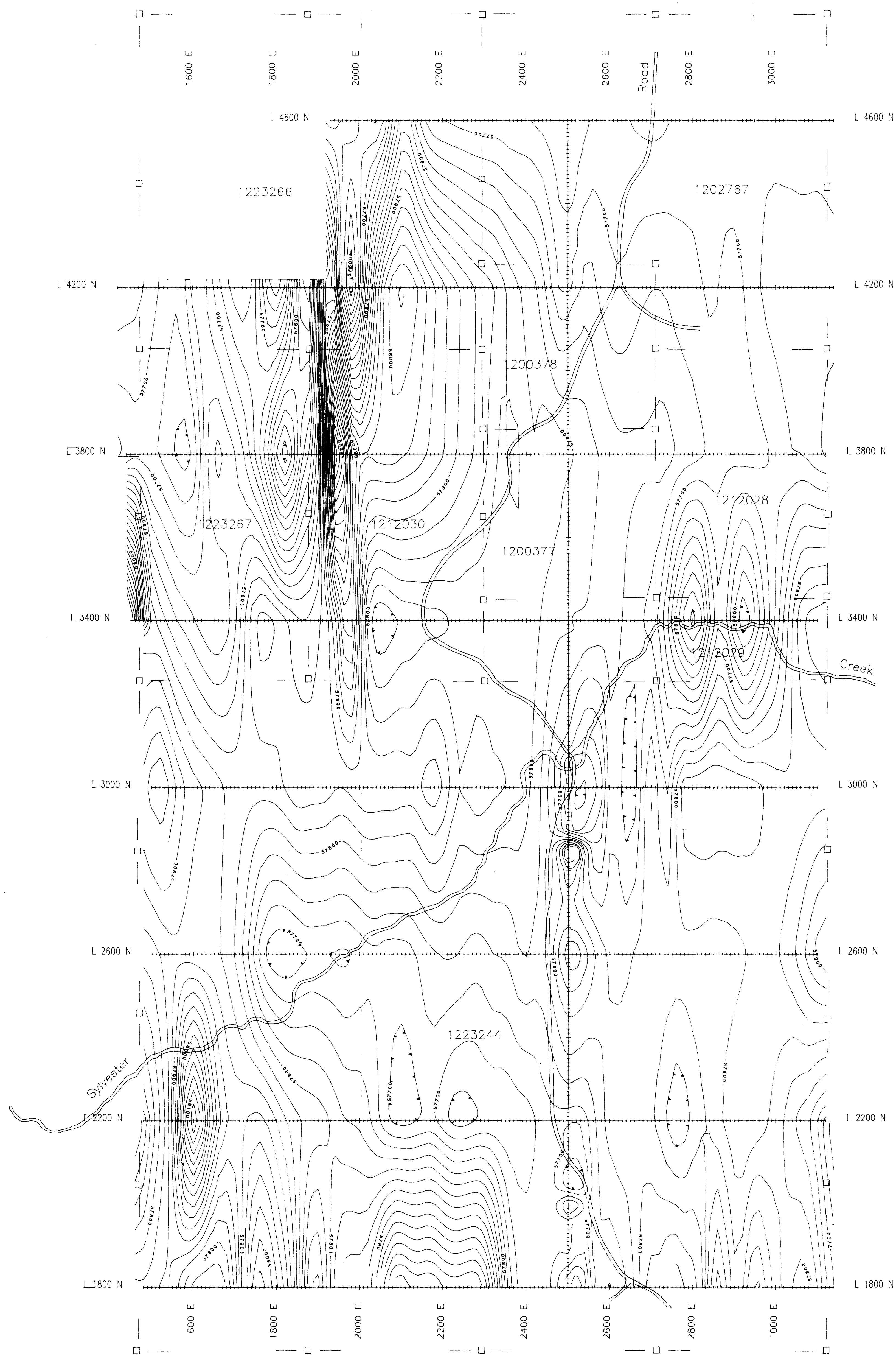
CHARGEABILITY (ms)

METAL FACTOR (ip/res * 100)

	15+20 E	16+00 E	16+80 E	17+60 E	18+40 E	19+20 E	20+00 E	20+80 E	21+60 E	22+40 E	23+20 E	24+00 E	24+80 E	25+60 E	26+40 E	27+20 E	28+00 E	28+80 E	29+60 E	30+40 E																						
n=1	.80	.80	3	6.8	8.6	6.1	3.1	2.4	1.2	1.3	1.5	3.2	1.7	1.3	1	1.2	.80	.80	.50	.50	.40	.40	.30	1.4	1.4	2.3	3.1	3.5	3.3	4.7	3.8	5.2	2.9	6.4	4.1	5.9	5	5.5	4.4	5.4	5.2	5.1
n=2	.70	.40	.40	2.2	7.1	6.1	6.8	3.4	2.5	1.4	.70	.80	.80	.80	.80	.50	2.6	1.2	1.3	1.8	2.3	2.4	3.8	3.1	3.2	2.6	4.8	3.3	3.8	4	3.9	3.4	4	5	5.8							

filter

METAL FACTOR (ip/res * 100)



INDEX MAP



LEGEND

Instrument : Scintrex IGS-2/MP-4
 Type : Total Field Proton Precession
 Datum Level : 57,000 nT
 Contour Interval : 25 nT
 Gridded By : Geosoft Bigrid
 Cell Size : 20 metres
 Filter : 2 Passes 9 Point Hanning

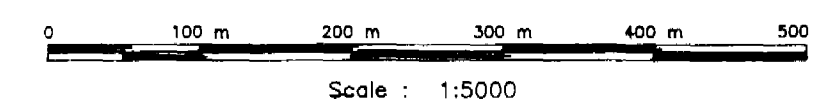
CLAIM POSTS

- Located
- Unlocated

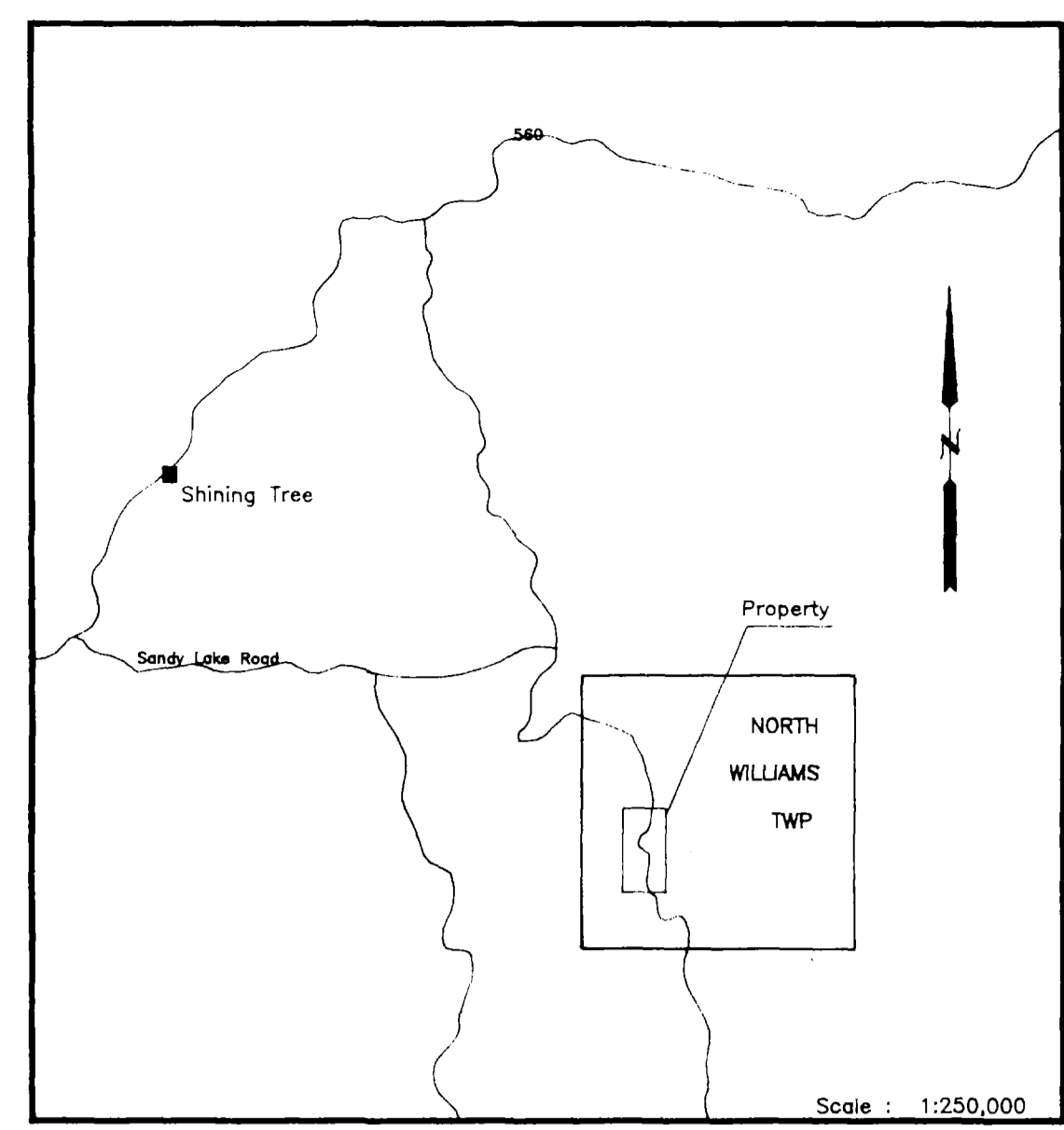
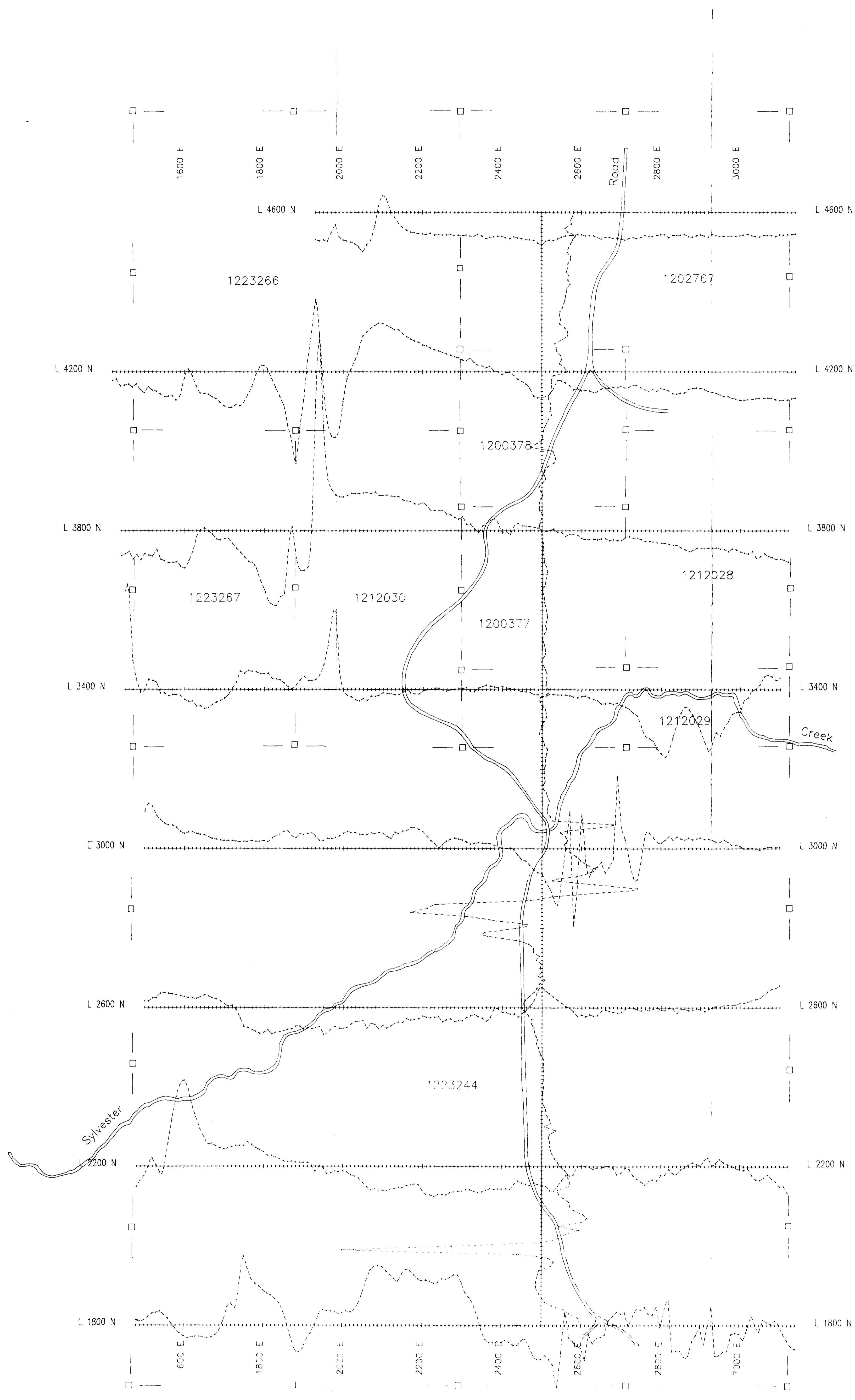
2. 10915



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FALCONBRIDGE LIMITED	
MAGNETIC SURVEY	
LACARTE OPTION	
NORTH WILLIAMS TOWNSHIP	
PROJ # 8274	NTS : 41 P/6
File : WILLM.XYZ	Date : June, 1996
12/2/96	
WORK BY : Timmins Geophysics Ltd.	



INDEX MAP



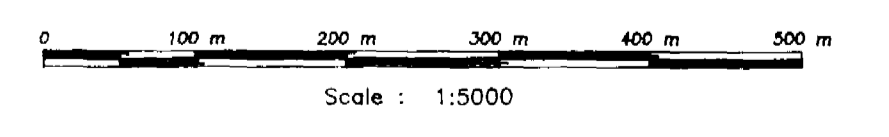
LEGEND

Instrument : Scintrex IGS-2/MP-4
 Type : Total Field Proton Precession
 Datum Level : 57,800 nT
 Profile Scale : 1cm = 100nT

CLAIM POSTS

- Located
- Unlocated

2.16915



FALCONBRIDGE LIMITED	
MAGNETIC SURVEY	
LACARTE OPTION	
NORTH WILLIAMS TOWNSHIP	
PROJ # 8274	NTS : 41 P/6
File : WILLM.XYZ	Date : June, 1998
WORK BY :	<i>D. Taylor</i>
Timmins Geophysics Ltd.	

