

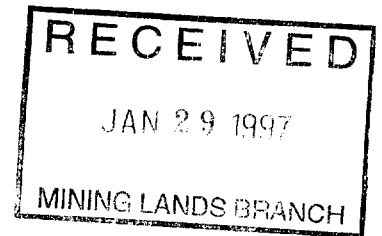


42A11SE0095 2.17015 TISDALE

010

REPORT ON  
GEOPHYSICAL WORK  
NORTHEAST TISDALE PROJECT  
TISDALE TOWNSHIP

**2.17015**



JANUARY 1995

D. LONDROY

*Overl. #*

*2.17015*

## SUMMARY AND RECOMMENDATIONS

Magnetic, VLF, HLEM and IP surveys were carried out over the Northeast Tisdale property in December, 1994.

High magnetic anomalies on the property map east-west striking ultramafic flows or sills. Decreases in the amplitude of these anomalies may represent areas of alteration.

The EM surveys map poor conductivity at the edge of swampy ground which is likely due to current channelling along the bedrock overburden interface.

A high chargeability anomaly, which is located on strike and approximately 800 metres west of the mineralization on the former Beaumont property, was outlined in the IP survey.

It is recommended that the induced polarization survey is completed over the rest of the property.

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## INTRODUCTION

A geophysics program was carried out on the Northeast Tisdale property during December of 1994. Magnetic and very low frequency (VLF) surveys, which were started in 1993, were completed in 1994. A horizontal loop electromagnetic (HLEM) was run on the entire property and an induced polarization (IP) survey was run on selected lines. The purpose of the surveys was to locate zones of alteration and mineralization similar to that found on the adjacent Beaumont claim.

The property is located in the northeast corner of Tisdale Township, approximately 9 kilometres northeast of the city of Timmins, Porcupine Mining Division (Figure 1(a)). It is accessed by travelling north from Timmins along Highway 655 and then east along the Bell Lake Road which passes through the middle of the claims.

The property consists of two separate claim groups in Concession VI, Tisdale Township (Figure 1(b)). A group of four claims, comprised of five 40 acre claim units, is located in Lots 3 and 4. The second group is one claim, comprised of two 40 acre claim units, located in Lot 2 (Table 1).

CLAIM #	# OF UNITS	DESCRIPTION
P1182657	1	NE1/4 N1/2, Lot 3, Con VI, Tisdale Twp
P1182593	1	SW1/4 N1/2, Lot 3, Con VI, Tisdale Twp
P1193767	1	SE1/4 N1/2, Lot 4, Con VI, Tisdale Twp
P1193768	2	NW1/4 NE1/4 S1/2, Lot 4, Con VI, Tisdale Twp
P1193845	2	SE1/4 N1/2 NE1/4 S1/2, Lot 2, Con VI, Tisdale Twp

Table 1 : Claim Description

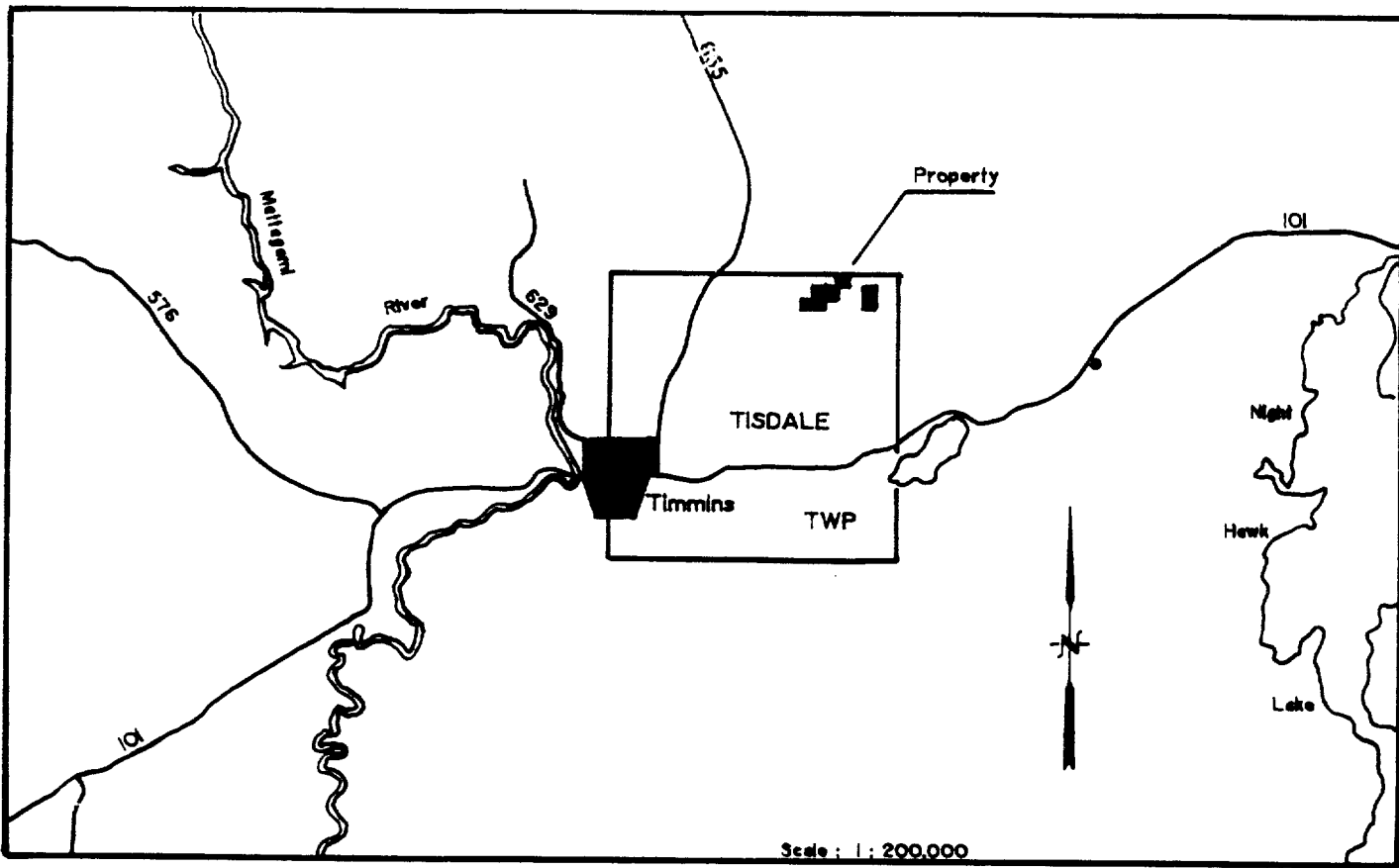


Figure 1 (a): Location Map

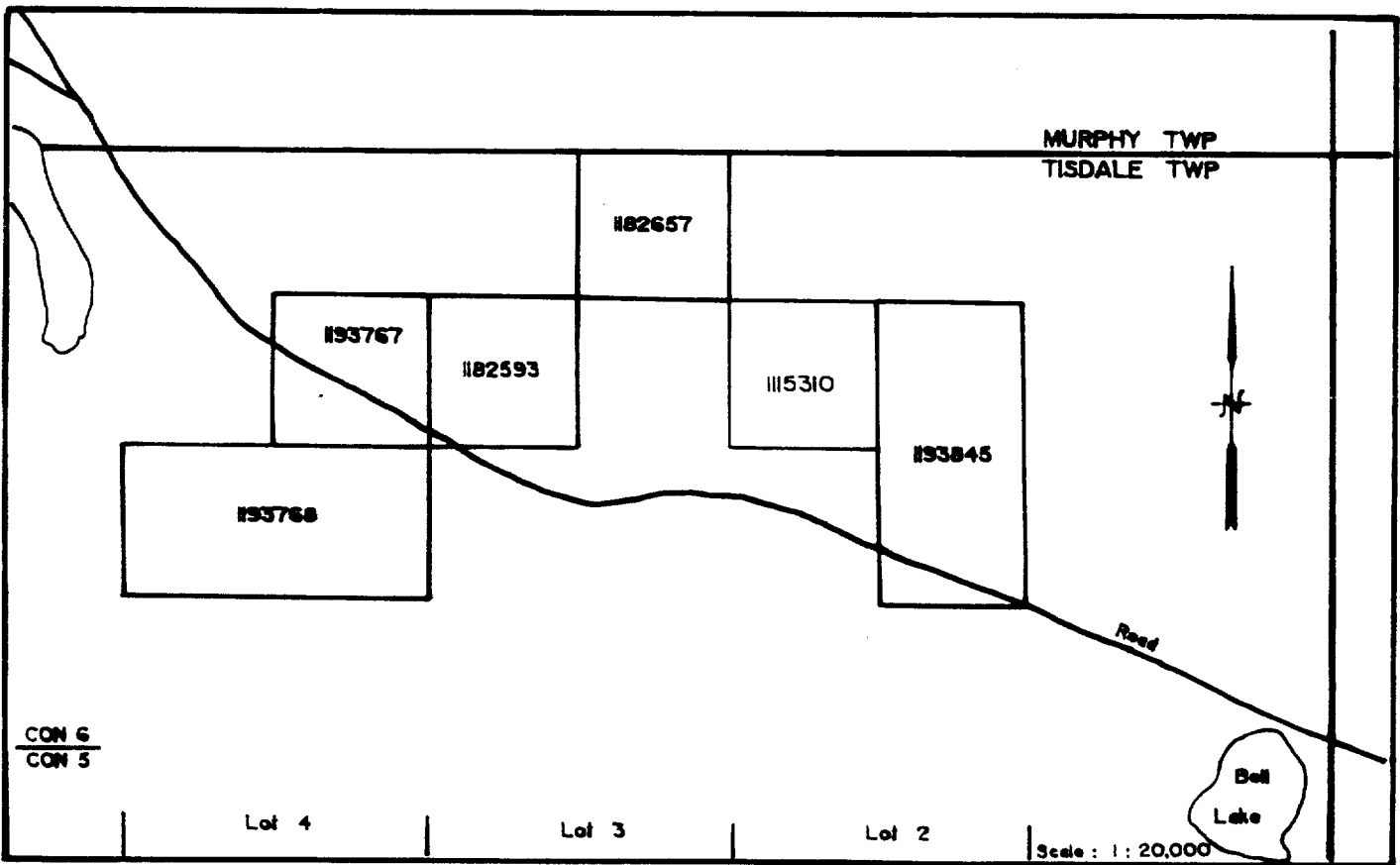


Figure 1 (b): Claim Map

The author of this report carried out the magnetic and VLF surveys. B. Pigeon assisted with the HLEM survey and B. LeRoy, C. Purdy and M. Gauthier helped with the IP survey.

#### GENERAL GEOLOGY

Tisdale Township was first mapped by Burrows (1915,1924) following the discovery of the Timmins gold camp in 1909. Subsequently, Hurst (1939) and Ferguson et al (1968) provided more detailed maps of Tisdale Township and the immediate surrounding area.

The claims are located on the south flank of the North Tisdale anticline (Ferguson, 1968), the axis of which trends east-west through the most northern claims on the property. Work directly to the east, on the former Beaumont claim, and to the south, on the former Kinch property, show that the area is underlain by intermediate volcanic flows which strike east to northeast, face south and dip steep to the south. The Burrows-Benedict fault strikes north northwest along the west edge of the property. The Destor-Porcupine Fault is located approximately 5 kilometres to the south.

Gold mineralization on the former Beaumont claim is associated with quartz carbonate veins within two carbonatized zones. These zones are located in basalt flows and trend east northeast, conformable to the volcanics. The quartz veins are also sparsely mineralized with pyrite, pyrrhotite, chalcopyrite and tourmaline.



## PREVIOUS WORK

The following description of previous work, carried out on and around the Northeast Tisdale property, is taken from assessment files in the office of the resident geologist in Timmins (Table 2).

The Northeast Tisdale Property is part of a 15 claim group which was originally held by North Davidson Mines Limited in the early 1900's. It was later acquired by Beaumont Gold Mines Limited in 1920, Harris Consolidated Mines

YEAR	COMPANY	GEOPHYSICS	DRILL HOLES	ASSESSMENT FILE
1948	GODDEN/GODBEAU PORCUPINE	GEOL	HOLES 1 TO 8	383
1990	ASARCO EXPL CO of CAN LTD	MAG,VLF	8E-90-1 TO 4	3353
1990	MONETA PORCUPINE MINES INC	MAG,VLF		2727
1991	TOTAL ENERGOLD CORPORATION	MAG,VLF,HLEM		3479

**Table 2.** Summary of previous assessment work.

Limited in 1926, Ambassador Mines Limited in 1929, R.J.C. Godden and associates in 1935, Godden Porcupine Gold Mines Limited in 1941 and Godbeau Porcupine Mines Limited in 1953.

Most of the early work carried out by these companies was concentrated on alteration zones on the claim to the east of claim 1182593. In 1917, North

Davidson Mines Limited drilled 1500 feet and in 1922, Beaumont Gold Mines Limited sunk a shaft to 320 feet with some crosscutting on the 150 and 300 foot levels. In 1927, Harris Consolidated Mines Limited drilled four holes totalling 1600 feet. In 1928, they deepened the shaft to 710 feet, established levels at 450 and 600 feet and carried out some underground development work. R.J.C. Godden and associates drilled 8 holes in 1940 totalling 5650 feet; five of the holes were drilled to test alteration zones on the Beaumont claim and three holes were drilled close to the boundary with the former Kinch property to the south. In 1954, Godbeau Porcupine Mines Limited drilled four holes close to the Beaumont shaft.

More recently, geophysical work has been carried out on parts of the Northeast Tisdale Property by Moneta Porcupine Mines Inc. and Asarco Exploration Company of Canada Limited.

In 1990, Moneta Porcupine Mines Inc. carried out magnetic and VLF surveys over a block of claims which includes the present property, except for claim 1182657. The surveys were run along north-south lines spaced every 400 feet. The magnetic readings were taken with a Scintrex MP-2 proton precession magnetometer and the VLF readings were taken with a Geonics EM-16 using Cutler, Maine as the transmitter station.

In 1990, Asarco Exploration Company of Canada Limited ran geophysical surveys over two claim groups in northeast Tisdale Township. One group consisted of 4 claims in the N1/2 of Lot 1, Concession VI and other consisted of 1 claim unit in the NE1/4 N1/2 of Lot 3, Concession VI (claim 1182657). The surveys were run on north-south lines spaced every 100 metres; the magnetic survey was conducted with the Scintrex MP-2 proton precession magnetometer and the VLF survey was run with the Geonics EM-16 using Cutler, Maine as the transmitter station.

In 1991, Total Energold Corporation carried a geophysics program on claims to the east and north of the present property. The program consisted of magnetic, VLF and HLEM surveys along north-south lines spaced every 100 metres. The magnetic survey was run with a EDA Omni Plus proton precession magnetometer, and the VLF survey was run with a Geonics EM-16 using Cutler Maine as the transmitter. The HLEM survey was run with an Apex Parametrics MaxMin II with a coil separation of 100 metres and frequencies of 444 and 1777 Hertz.

#### **SURVEY DESCRIPTIONS**

In 1993, a grid was established on the west claim group and magnetic and VLF surveys were carried out. In 1994, the grid was extended to cover the east claim group and the magnetic and VLF survey were completed on the new lines. The HLEM survey was run on all of the lines and the IP survey was run on Lines 0 to 500 West, excluding Line 100 West.

The grid on the property consists of north-south survey lines spaced every 100 metres and east-west tie lines spaced every 400 metres. The grid was started on the Tisdale Murphy township line; station 1600 South, 800 East is located at a survey post between Lots 2 and 3, Tisdale Township.

The magnetic readings were taken every 10 metres with a Scintrex IGS-2/MP-4. This instrument is a proton precession magnetometer which measures the earth's total magnetic field to an accuracy of 0.1 nT. Diurnal variations were monitored every 12 seconds with a Scintrex MP-3 base station magnetometer. The readings from the present survey were tied into the readings from the 1993 survey. A total of 537 readings were taken along 5.2 kilometres of line.

The VLF-EM survey was run with a Crone Radem. This instrument measures the dip angle of the horizontal electromagnetic field to an accuracy of 1 degree. The transmitter station used in the survey was Cutler, Maine which operates at a frequency of 24.0 kHz. A total of 208 readings were taken every 20 metres along 4.0 kilometres of line.

The horizontal loop EM survey was carried out with the Apex Parametrics MaxMin I-5. This instrument measures the in-phase and quadrature components of the secondary field as a percentage of the primary field; the depth of penetration is approximately one half of the coil separation. Readings were taken every 20 metres using a coil separation of 120 metres and frequencies of 444 and 1777 Hertz. A total of 554 readings were taken along 13.2 kilometres of line.

The IP survey was conducted with the Scintrex IPR-11 time domain spectral receiver and the Scintrex TSQ-3, 3000 Watt transmitter. The current on-off time is two seconds. Integration takes place during ten time intervals or 'slices' after shut-off; Table 3 lists the delay and integration times for each slice.

SLICE	DELAY TIME (MS)	INTEGRATION TIME (MS)
M0	30	30
M1	60	30
M2	90	30
M3	120	30
M4	150	180
M5	330	180
M6	510	180
M7	690	360
M8	1050	360
M9	1410	360

Table 3: Delay and integration times of the Scintrex IPR-11 IP receiver.

A pole-dipole array was used with an electrode spacing of 40 metres and readings were taken for 'n' values of 1 to 4. The remote electrode was located to the north of the survey area at 200 South, 100 East.

Poor ground contacts were encountered during the IP survey over an esker, which is coincident with the roads on claim 1193767. No readings were taken in this area because it was difficult to get enough current into this very resistive layer.

#### **MAGNETIC RESULTS**

The magnetic results were compiled with the results of the 1993 survey and are presented together on Map 1 at a scale of 1:5000; the contour interval used on this map is 100 nT. A colour image of the total magnetic field is given in Figure 2 at a scale of 1:10,000 and contour interval of 200 nT.

The 1993 survey mapped two east-west striking ultramafic flows or sills on the west claim group, one centered to the north of Tie Line 2000 South and the other to the north of Base Line 2400 South. A 'break' or decrease in the amplitude of the southern anomaly, at Line 100 West and east of 300 West, may be due to alteration.

The 1994 survey outlined the extension of these units on the east claim group. The northern anomaly, along Tie Line 2000 South is only partially outlined. The amplitude of the southern anomaly is much higher on the east claim group compared to the same anomaly on the west claim group.

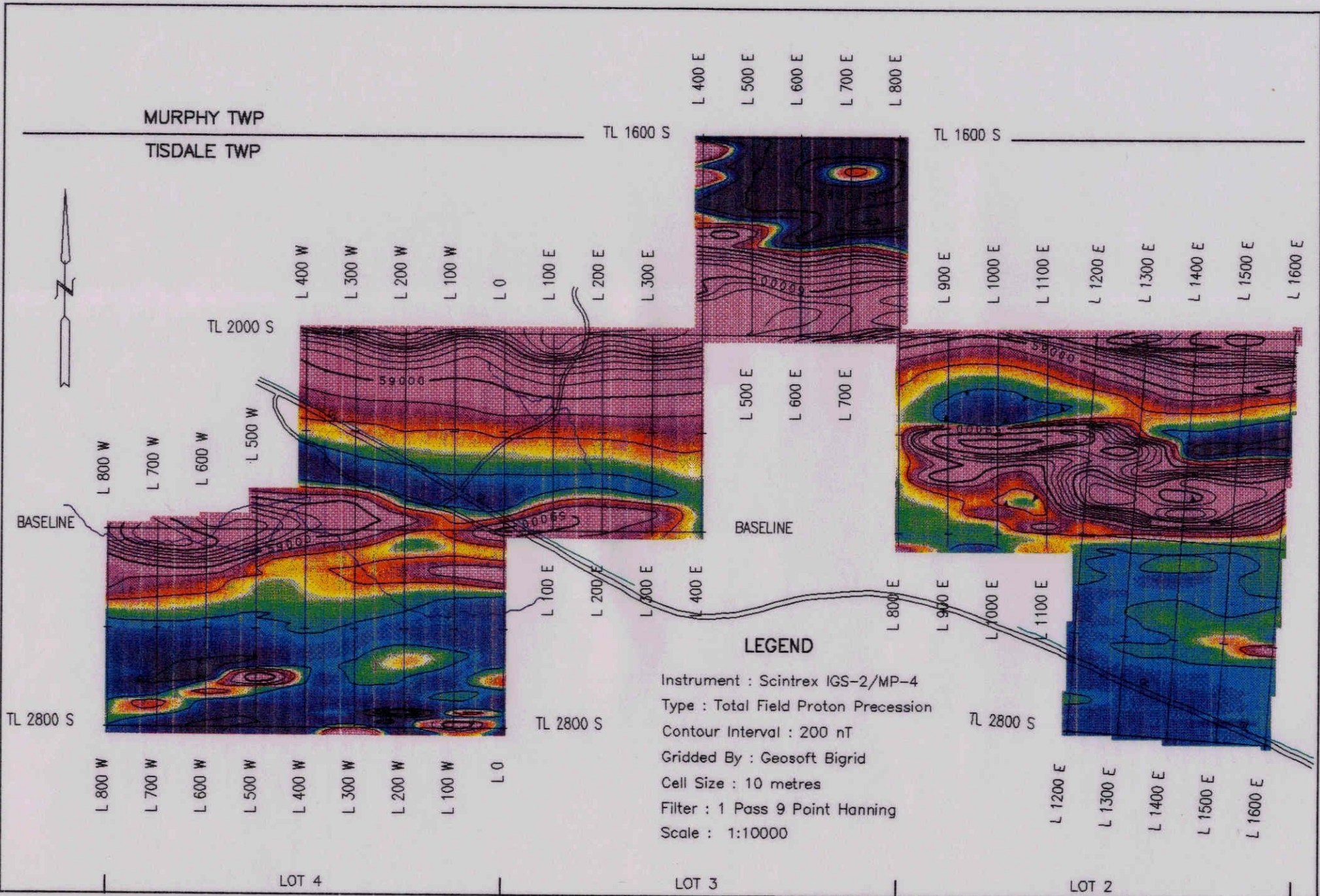


Figure 2 : Colour Image of Total Magnetic Field

## EM RESULTS

The results of the VLF-EM survey are plotted on map 2 at a scale of 1:5000; the data are profiled at a scale of 1 cm = 20 degrees. A colour image of the Fraser filtered data is contoured every 2 degrees in Figure 3 at a scale 1:10000.

The results of the HLEM survey are profiled on maps 3 and 4 at a scale of 1:5000; the profile scale used for both frequencies is 1 cm = 20 %. The HLEM results are also presented at a scale of 1:10000 in Figures 4 and 5; the profile scale used on these diagrams is 1 cm = 40 %.

The strong anomaly, which runs along the north side of the Bell Lake Road in both EM surveys, represents the natural gas pipeline. The VLF survey over the east claim group outlined a number of conductors, similar to the west claim group. Weak HLEM anomalies, which coincide with the VLF anomalies, have a low in-phase/quadrature ratio indicating poor conductivity. There were no zones of good conductivity detected in the HLEM survey.

There is no IP chargeability anomaly associated with the stronger VLF anomalies on the west claim group which suggests that these anomalies are not due to a bedrock source.

## IP RESULTS

The filtered IP chargeability and resistivity results for slice 'M7' are plotted on plan maps 5 and 6; the shape and weight of the filter, which is an average of all four 'n' values, is given on the maps. The IP chargeability, resistivity and metal factor for each line are presented in pseudo-section form

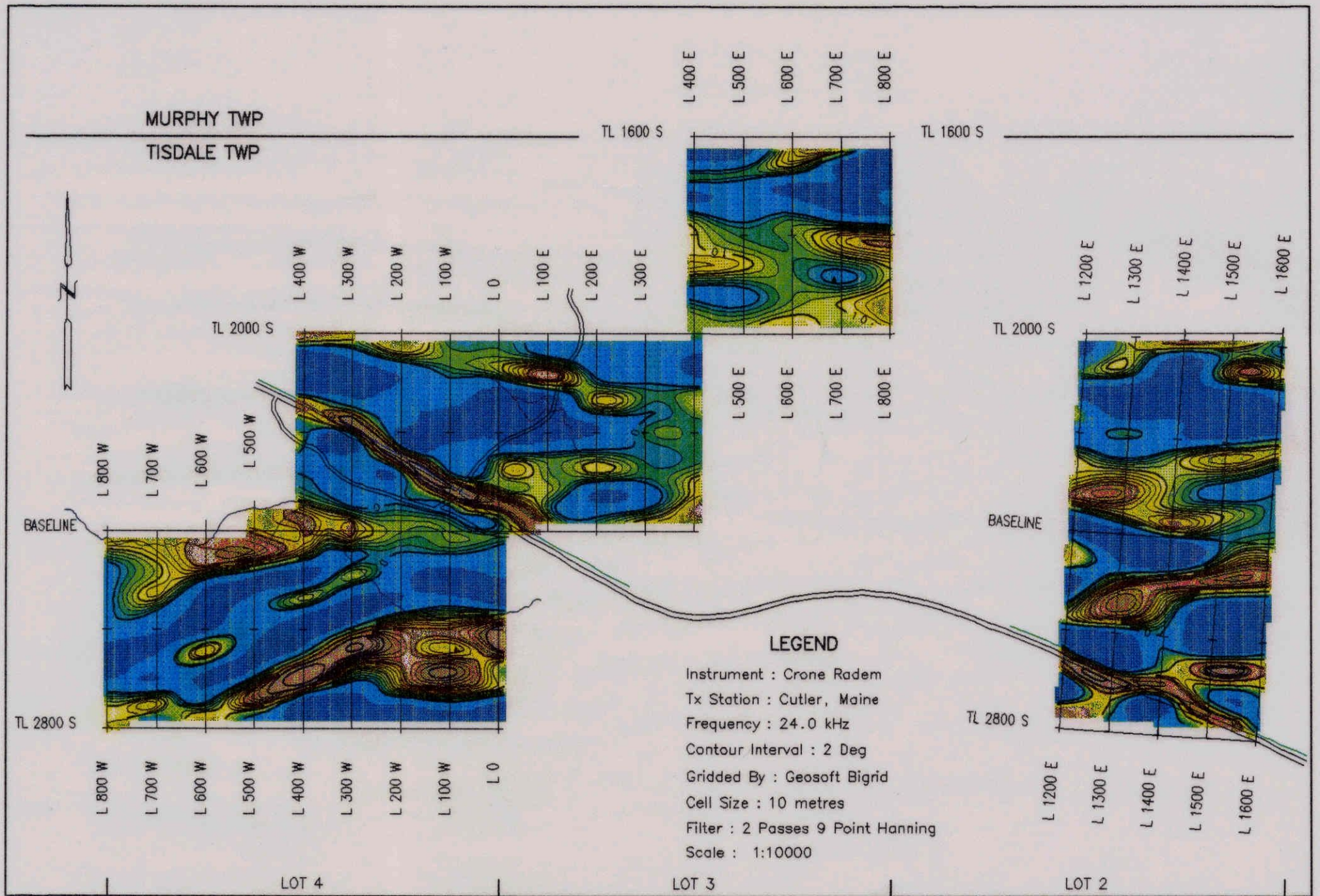


Figure 3 : Colour Image of Fraser Filtered VLF Data



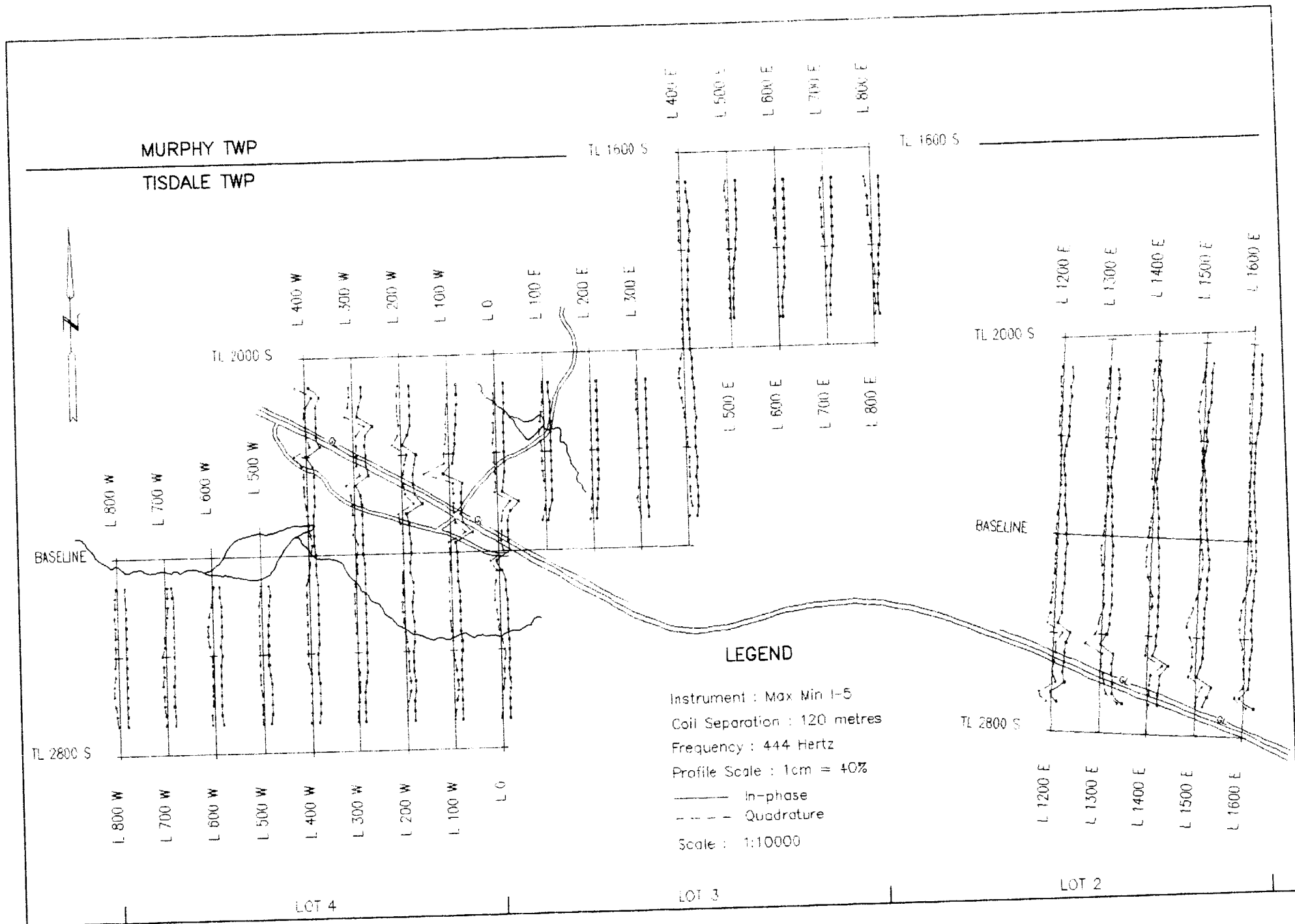


Figure 4 : HLEM Survey, 444 Hz

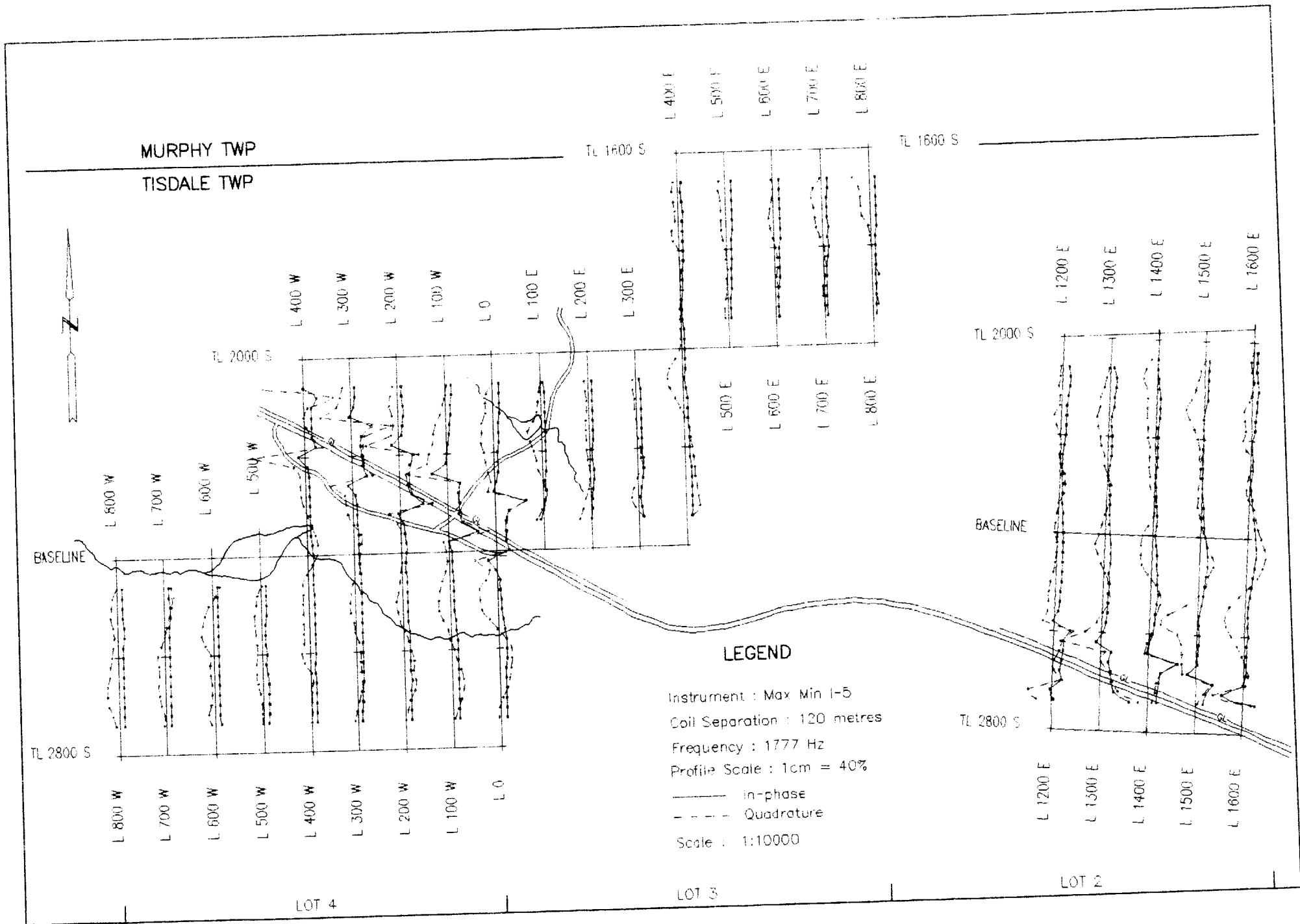


Figure 5 : HIFM Survey, 1777 Hz

on maps 7 to 11. A colour image of the 'n'=1 chargeability and resistivity is presented in Figures 6 and 7 respectively.

The resistivity data maps overburden depths on the property; the high resistivity values along the southern edge of the property coincides with an area of outcrop or very shallow overburden.

A chargeability anomaly, which is approximately 8 times higher than background, strikes slightly north of east between 2560 South on Line 500 West and 2520 South on Line 300 West. The anomaly is present on Line 200 West, however, the readings are only twice the amplitude of the background. The high chargeability has a coincident high resistivity on Lines 400 and 500 West and a low resistivity on Line 300 West; the resistivity data likely reflects the overburden depth over the zone rather than the zone itself.

Three weak, poorly defined chargeability anomalies are located on Line 0. One is centered at 2040 South and coincides with an east southeast striking VLF anomaly. The second is centered at 2340 South in an area of low magnetic field and the third is a slight increase in chargeability at the south end of the line. Further IP work is required to the east of Line 0 to realize the significance of these anomalies.

June 12/96  
DATE

D. LONDRI  
D. LONDRI

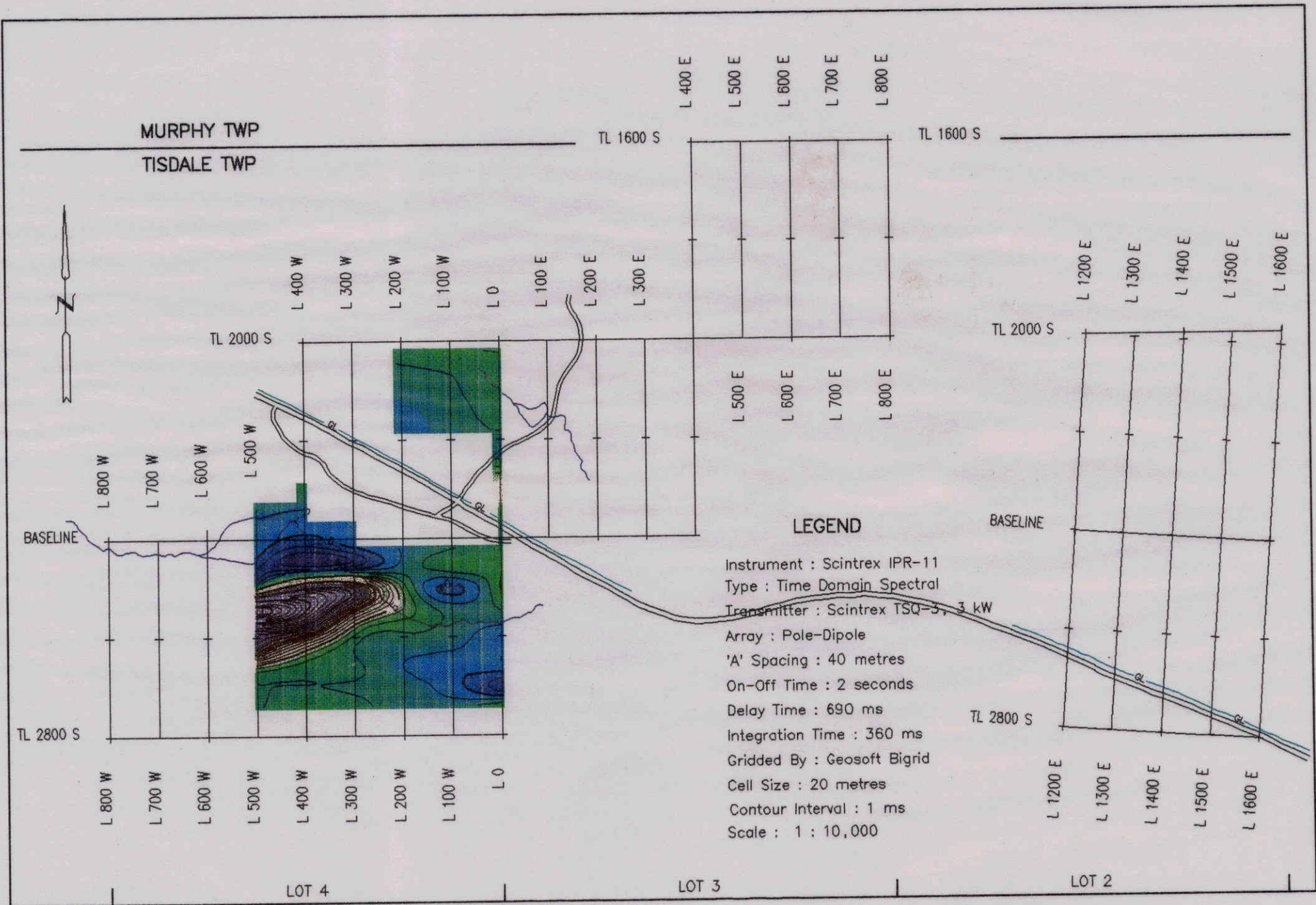


Figure 6 : Colour Image of IP Chargeability, 'n'=1

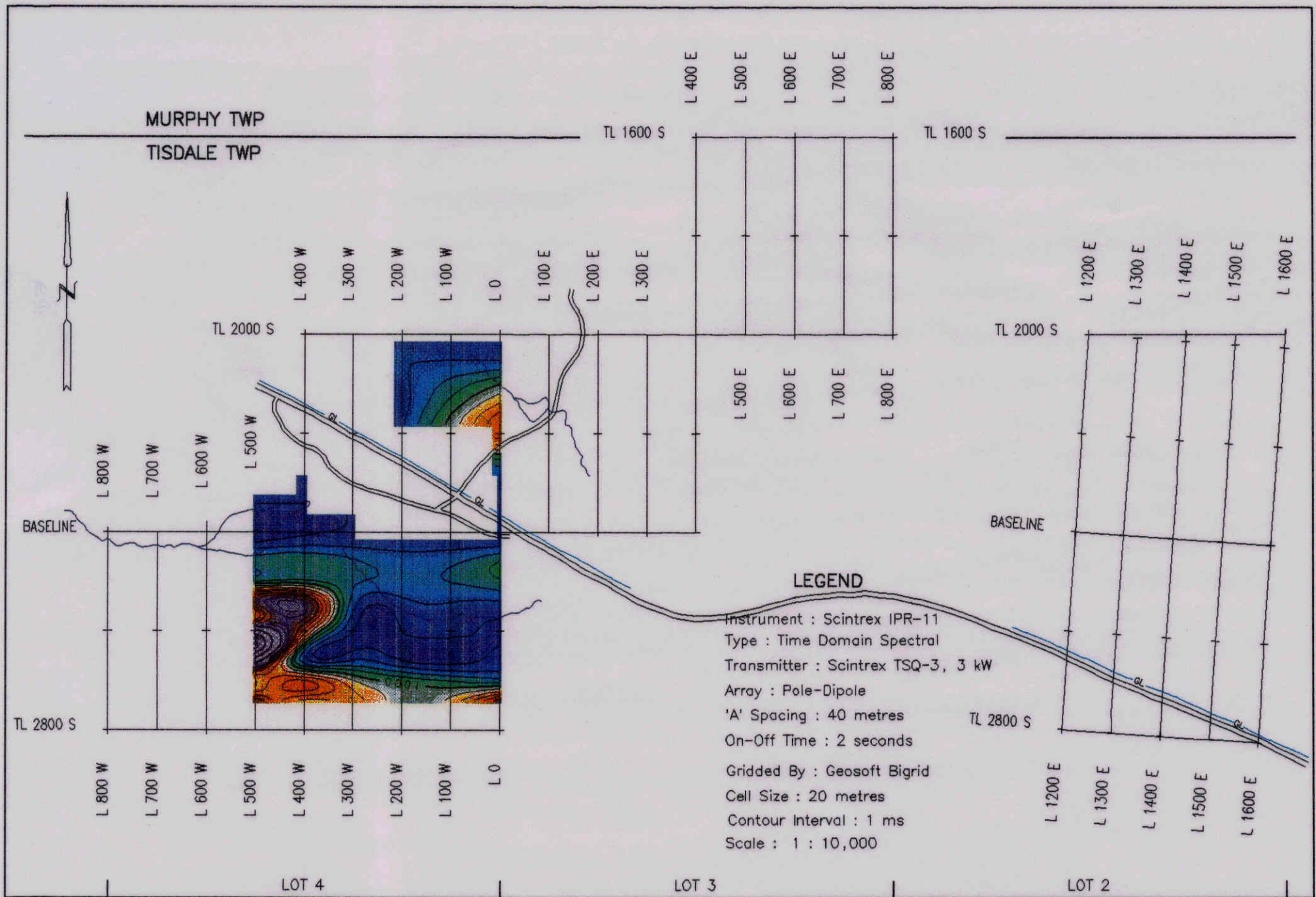


Figure 7 : Colour Image of IP Resistivity, 'n'=1

## REFERENCES

**BURROWS, A.G.**

1915: The Porcupine Gold Area, Ontario Bureau of Mines, Vol 24, Part 3, p. 1-57. Accompanied by Map 21a, scale 1 inch to 2000 feet.

1924: The Porcupine Gold Area, Fourth Report; Ontario Department of Mines, Vol 33, Part 2, 112p. Accompanied by Map 33a, scale 1 inch to 2000 feet.

**HURST, M.E.**

1939: Porcupine Area; Ontario Department of Mines, Map 47a, scale 1 inch to 2000 feet.

**FERGUSON, S.A. et al.**

1968: Geology and Ore Deposits of Tisdale Township; Ontario Department of Mines, Geological Report 58, 117p. Accompanied by Map 2075, scale 1 inch to 1000 feet.



Personal information collected c Mining Act, the information is a f Questions about this collector 933 Ramsey Lake Road, Sudbu



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he Mining Act. Under section 8 of the correspond with the mining land holder. Development and Mines, 6th Floor,

900

Form 0240.

2.17015

Instructions: - For work - Please type or print in ink.

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

Form with fields for Name, Address, Client Number, Telephone Number, Fax Number. Handwritten entries: Douglas Londry / D. Pyke, 547 LOACH'S ROAD, Sudbury, Ontario P3E 2R3, Client Number 160829 / 184975, Telephone Number 705-523-5479.

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) [checked] Physical: drilling, stripping, trenching and associated assays [checked] Rehabilitation [unchecked]

Work Type: Linecutting, Magnetic survey, VLF survey, ALEM survey. Dates Work Performed: From 01/08/94 To 30/12/94. Township/Area: TISDALE, M or G-Plan Number: G-3976. Mining Division: Porcupine, Resident Geologist District: Timmins. Total \$ Value of Work Claimed: 3500.

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)

Form with fields for Name, Address, Telephone Number, Fax Number. Handwritten entries: Douglas Londry, 547 LOACH'S ROAD, SUDBURY ONT, Telephone Number 705-523-5479. Includes a RECEIVED stamp dated JAN 29 1997 from MINING LANDS BRANCH.

4. Certification by Recorded Holder or Agent

I, DALE Pyke, 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: Dale Pyke, Date: Nov 18/96, Agent's Address: 31 Delair Cres Thornhill Ont, Telephone Number: 905-731-1913, Fax Number: 905-731-1913.

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous to the mining land where work was performed, at the time work was performed. A map showing the contiguous must accompany this form.

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892 <i>WP</i>	\$4,000 <i>WP</i>	0	\$4,892
1 1193845	2	<del>\$3500</del> <del>\$280</del>	<del>\$3500</del> <del>\$280</del>	0	0
2			\$300 <i>WP</i>	\$500 <i>WP</i>	
3 1182657			\$500 <i>WP</i>		
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		\$8500	\$3500	\$500	0

2-17015

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 JAN 29 1997  
 MINING LANDS BRANCH

I, DALE PYKE (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: *D. Pyke* Date: Nov 18/96

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):

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 <b>RECEIVED</b> (c) NOV 18 1996	Deemed Approved Date <u>FEB. 16/97</u>	Date Notification Sent
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature) <u><i>Acting</i></u>		





Mining Act

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

2.17015

- Instructions:**
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
  - A separate copy of this form must be completed for each Work Group.
  - Technical reports and maps must accompany this form in duplicate.
  - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) <b>DR. D. R. PYKE</b>		Client No. <b>184975</b>
Address <b>31 DELAIR CRES., THORNHILL, ONTARIO, L3T 2H3</b>		Telephone No. <b>(905) 731-1913</b>
Mining Division <b>PORCUPINE</b>	Township/Area <b>TISDALE TOWNSHIP</b>	M or G Plan No.
Dates Work Performed From: <b>AUG. 1/94</b>		To: <b>DEC. 30/94</b>

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	<b>HLEM, IP.</b>
Physical Work, Including Drilling	
Rehabilitation	
Other Authorized Work	<b>SECTION 18 ONLY</b>
Assays	
Assignment from Reserve	

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Total Assessment Work Claimed on the Attached Statement of Costs \$ 7520

**Note:** The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
<b>DOUGLAS LONDRY</b>	<b>547 LOACH'S ROAD, SUDBURY, ONT, P3E 2R3</b>

(attach a schedule if necessary)

Certification of Beneficial Interest \* See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date <b>JUNE 12/96</b>	Recorded Holder or Agent (Signature) <i>Douglas Londry</i>
--	---------------------------	---

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying <b>DOUGLAS LONDRY, 547 LOACH'S ROAD, SUDBURY, ONTARIO, P3E 2R3</b>		
Telephone No. <b>(705) 523-5479</b>	Date <b>JUNE 12/96</b>	Certified By (Signature) <i>Douglas Londry</i>

For Office Use Only

Total Value Cr. Recorded <b>\$ 7520.</b>	Date Recorded	Mining Recorder <i>[Signature]</i>	Received Stamp <b>(c) NOV 18 1996</b>
	Deemed Approval Date <b>FEB 16 1997</b>	Date Approved <i>[Signature]</i>	
	Date Notice for Amendments Sent		

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
1	1182657	1
1	1193767	1
1	1193768	2
<del>1</del> <sup>WP</sup>	<del>1193845</del> <sup>WP</sup>	<del>2</del> <sup>WP</sup>
# Number <u>3WP</u>		

Value of Assessment Work Done on this Claim	Value Applied to this Claim
700	<del>1200</del> <sup>4700 WP</sup>
1900	<del>1200</del> <sup>4200 WP</sup>
4920	<del>2200</del> <sup>44820 WP</sup>
	<del>2400</del> <sup>WP</sup>
Total Value Work Done	Total Value Work Applied
7520	7520

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
<del>700</del> <sup>WP</sup>	
<del>1000</del> <sup>WP</sup>	
<del>2200</del> <sup>WP</sup>	
Total Assigned From	Total Reserve
<del>2900</del> <sup>WP</sup>	

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Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

1.  Credits are to be cut back starting with the claim listed last, working backwards.
2.  Credits are to be cut back equally over all claims contained in this report of work.
3.  Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature <i>D. J. ...</i>	Date June 12/96
---	-------------------------------	--------------------



January 31, 1997

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

Gary White  
Mining Recorder  
60 Wilson Avenue, 1st Floor  
Timmins, ON  
P4N 2S7

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

Dear Sir or Madam:

Submission Number: 2.17015

		<b>Status</b>
<b>Subject:</b>	<b>Transaction Number(s):</b>	
	W9660.00612	Approval
	W9660.00613	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 Bruce Gates by e-mail at gates\_b@torv05.ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,



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

## Work Report Assessment Results

**Submission Number:** 2.17015

**Date Correspondence Sent:** January 31, 1997

**Assessor:** Bruce Gates

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<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9660.00612	1193845	TISDALE	Approval	January 31, 1997

**Section:**

14 Geophysical MAG

14 Geophysical VLF

14 Geophysical EM

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9660.00613	1182657	TISDALE	Approval	January 31, 1997

**Section:**

14 Geophysical IP

14 Geophysical EM

## Work Report Assessment Results

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**Submission Number:** 2.17015

**Correspondence to:**

Mining Recorder  
Timmins, ON

Resident Geologist  
Timmins, ON

Assessment Files Library  
Sudbury, ON

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

DOUGLAS JAMES LONDRY  
Sudbury, Ontario

Douglas Londry  
SUDBURY, ONTARIO, CANADA

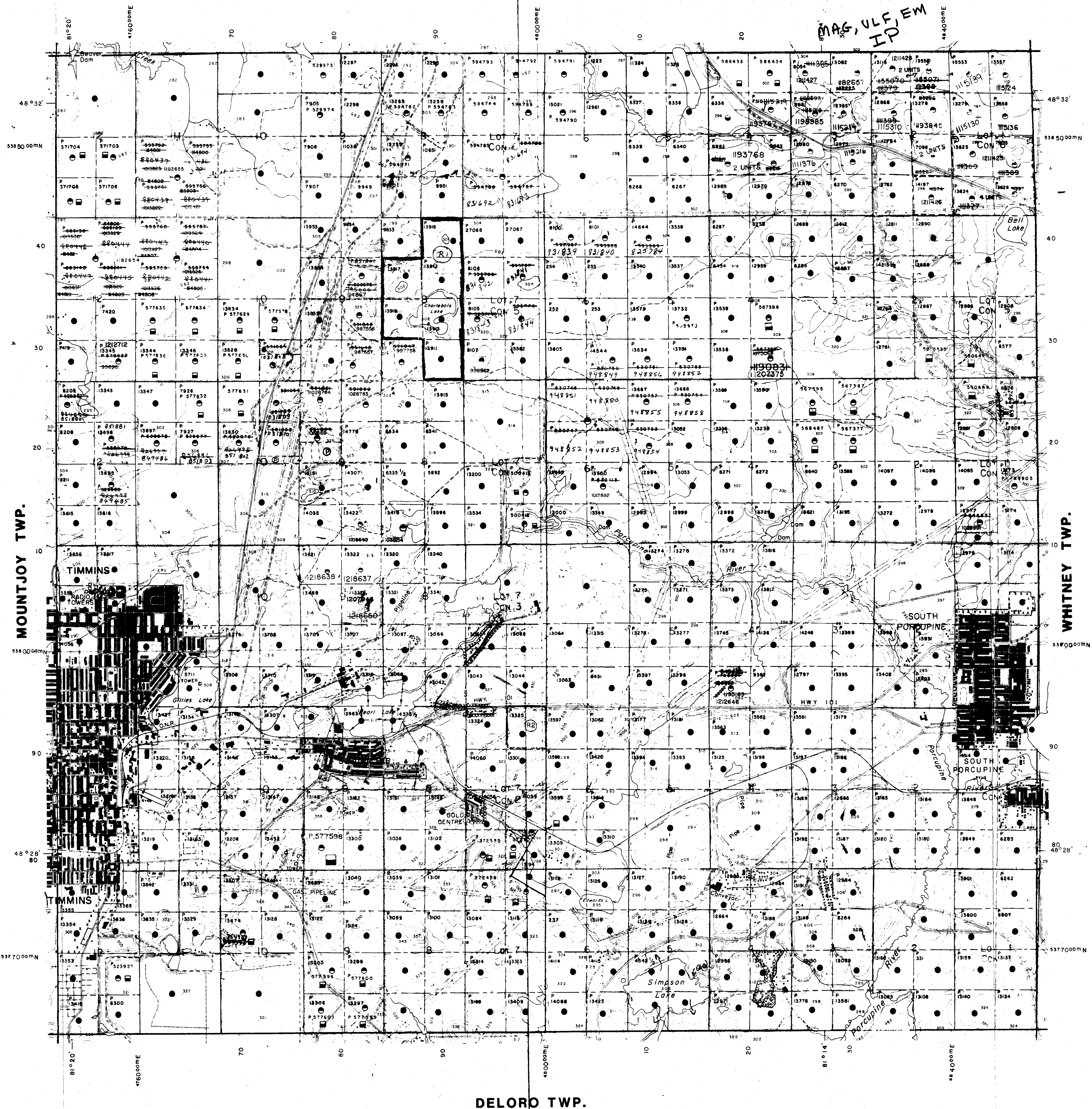
DALE RANDOLPH PYKE  
THORNHILL, Ontario

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**MAP SYMBOLOLOGY**

Aerial Cableway	Pipeline (above ground)
Boundary	Railroad
International	Single Track
Intrastate	Double Track
District, Township	Abandoned
Indian Reserve	Turntable
Approximate	Road
Lot, Concession	Highway, County
Approximate	Township
Park Boundary	Access (road of doubtful maintenance or significant driveway)
Bridge	Trail, Bush Road (average slope)
Road, Railroad	Rapids
Building	Double line river with multiple rapids
Cliff, Pit, Pile	Double line river with multiple rapids
Contours	Reservoir
Intermittent	River, Stream, Canal
Approximate	Approximate
Dashed line	Control Points
Control Points	Horizontal
Vertical	Vertical
Culvert	Culvert
Falls	Falls
Double line river	Fence, Hedge, Wall
Feature Outline	Well
(Construction features)	Transmission Line
Flooded Land	Pole
Lock	Pylon
Marsh or Swamp	Tunnel
Mast	Utility Poles
Mine Head Frame	Wharf, Dock, Pier
Outcrop	Wooded Area

**MURPHY TWP.**

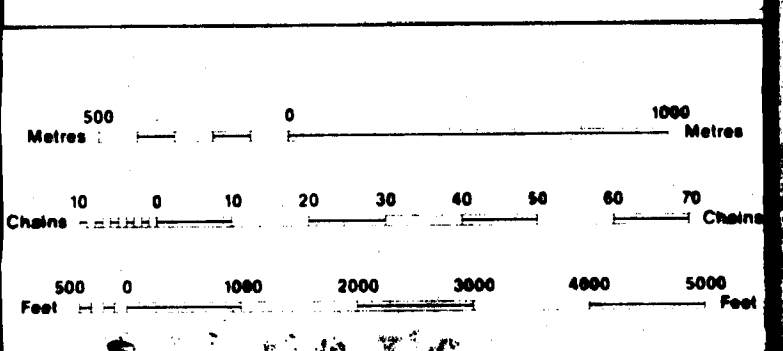


**LEGEND**

HIGHWAY AND ROUTE No.	
OTHER ROADS	
TRAILS	
SURVEYED LINES	
TOWNSHIPS, BASE LINES, ETC.	
LOTS, MINING CLAIMS, PARCELS, ETC.	
UNSURVEYED LINES	
LOT LINES	
PARCEL BOUNDARIES	
MINING CLAIMS, ETC.	
RAILWAY AND RIGHT OF WAY	
UTILITY LINES	
NON-PERENNIAL STREAM	
FLOODING OR FLOODING RIGHTS	
SUBDIVISION OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SHORELINE	
MARSH OR MUSKEG	
MINES	
TRaverse Monument	

**DISPOSITION OF CROWN LANDS**

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER IN COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	



SCALE 1:20 000  
GRID ZONE 17

**NOTES**

REGISTERED PLAN OF SUBDIVISION  
12

**2.17015**

**AREAS WITHDRAWN FROM DISPOSITION**

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

Disposition	Order No.	Date	Disposition	File
(M)				

THE SURFACE AND MINING RIGHTS ARE WITHDRAWN FROM PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 25 OF THE MINING ACT R.S.O. 1990, DATED MAY 23, 1996 AT 10:40 AM. ORDER NO. W-P-23/96 NR.

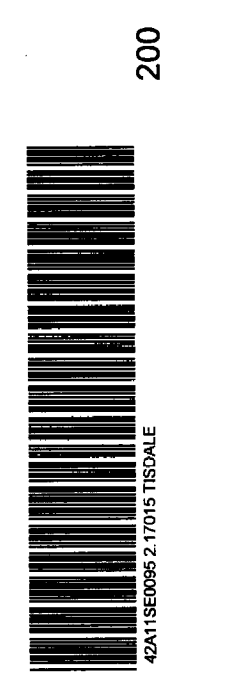
MINING RIGHTS ONLY WITHDRAWN FROM PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 25 OF THE MINING ACT R.S.O. 1990, DATED MAY 27 AT 10:20 A.M. ORDER NO. W-P-28/96 NR.

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.

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

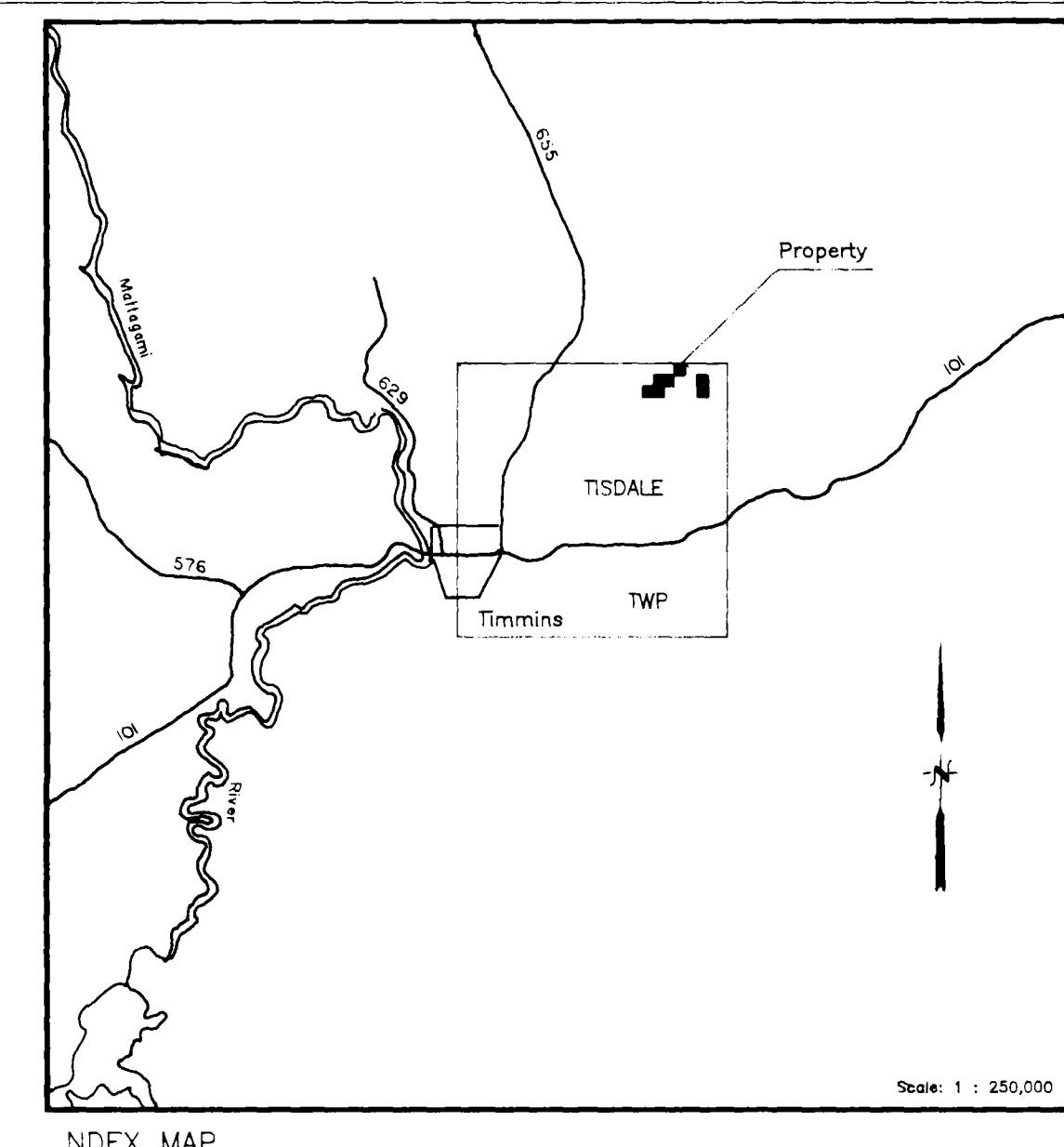
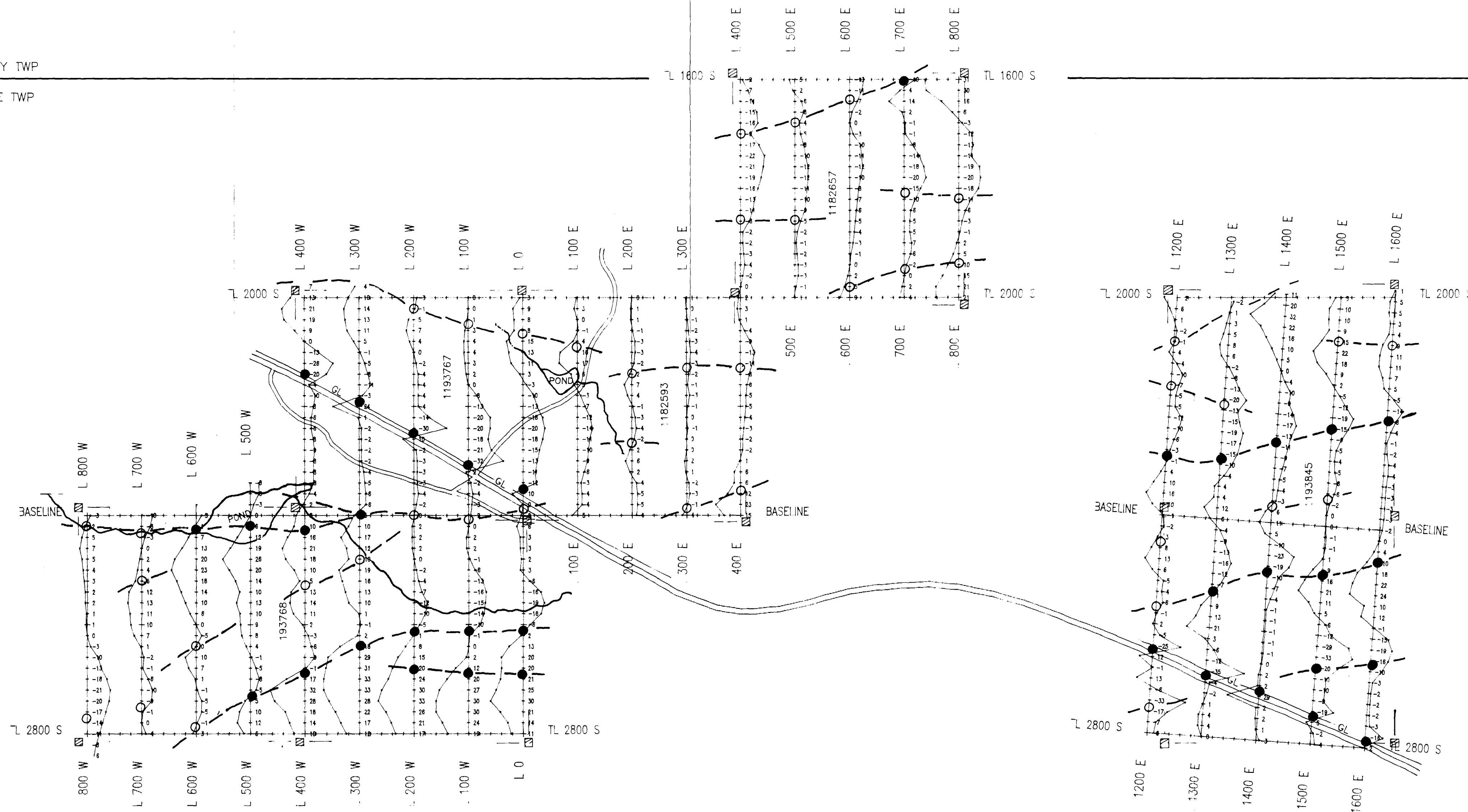
Ministry of Natural Resources  
Land Management Branch  
Ontario

ORIGINAL COMPILATION JULY 1984  
REVISED  
Number: **G-3976**





MURPHY TWP  
TISDALE TWP

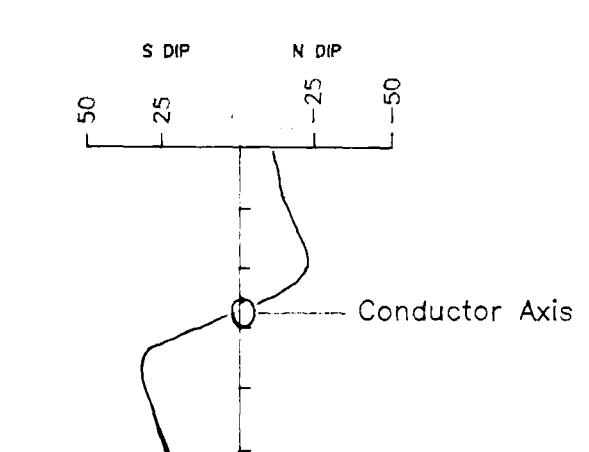


0.17015 LEGEND

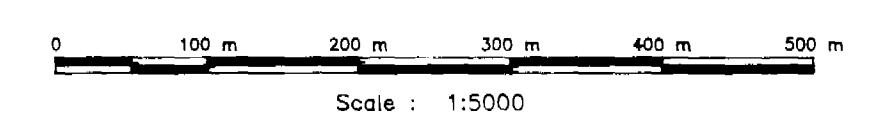
Instrument : Crone Radem  
Transmitter : Cutler, Maine  
Frequency : 24.0 kHz

☐ Claim Post  
—GL— Natural Gas Pipe Line

Profile Scale : 1cm = 25



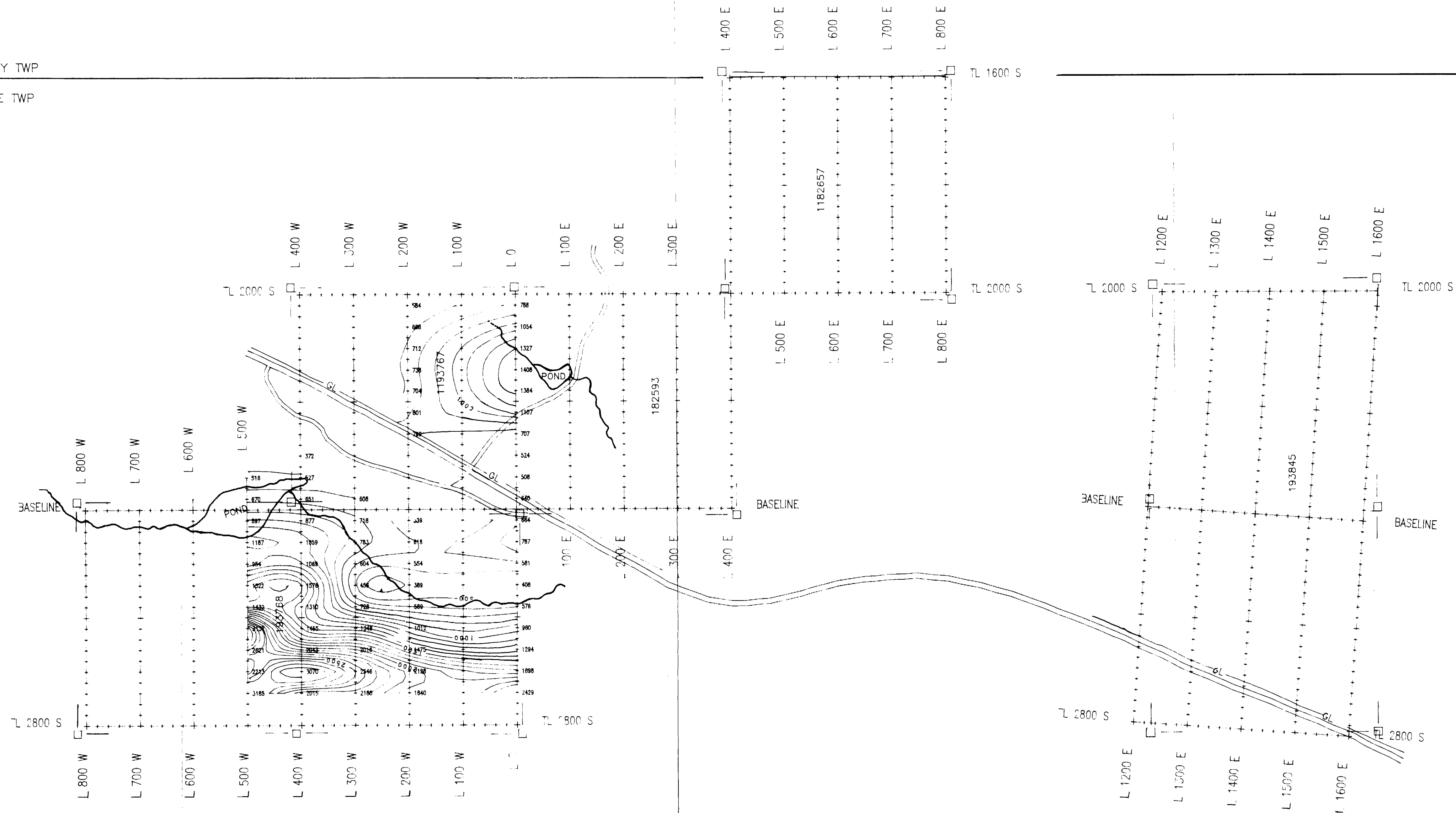
Dip Angle



**NORTHEAST TISDALE PROJECT**  
VLF SURVEY  
TISDALE TOWNSHIP

FILE : TIS.VLF DATE : December, 1994  
WORK BY : D. Londry

MURPHY TWP  
TISDALE TWP

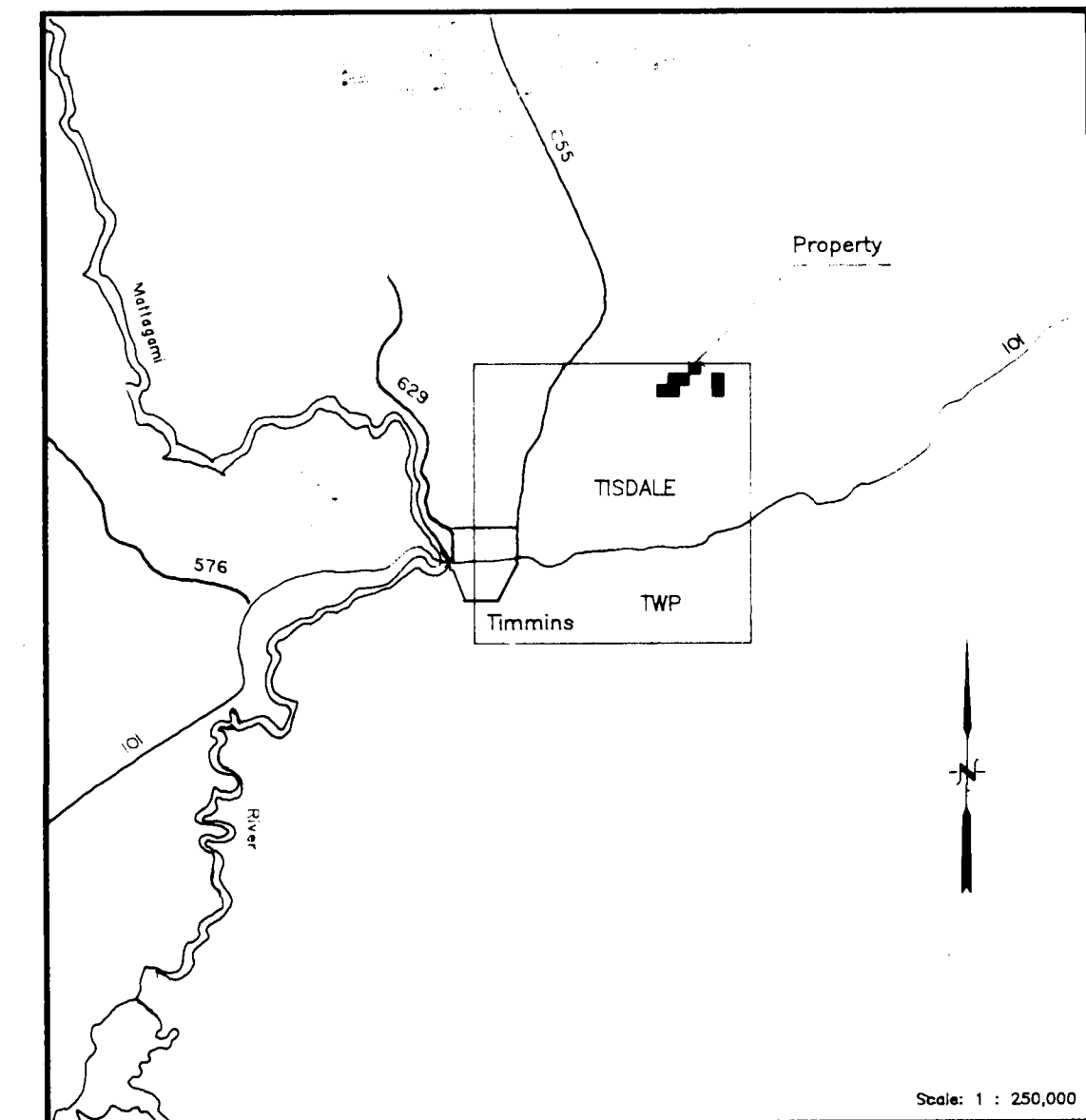


Lot 4

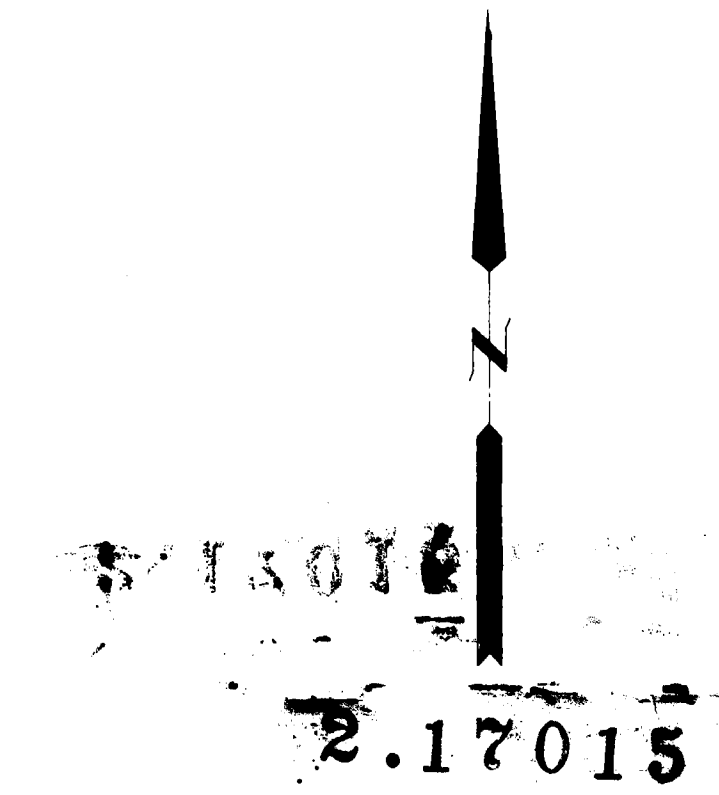
Lot 3

Lot 2

1/4  
1/8 1/8  
1/12 1/12 1/12  
1/16 1/16 1/16 1/16  
Filter



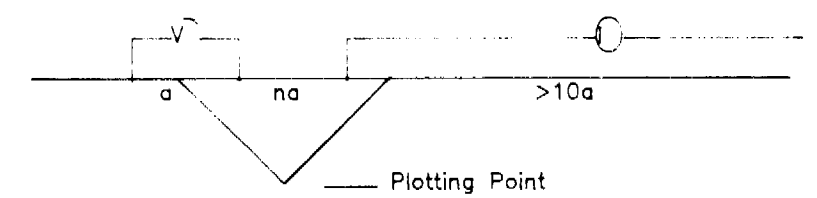
INDEX MAP



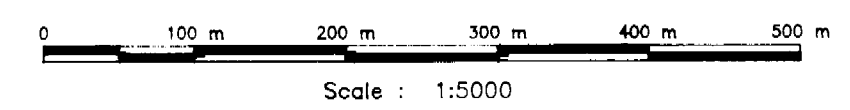
LEGEND

Receiver : Scintex iPR-11  
Type : Time Domain Spectral  
Transmitter : Scintex TSQ-3, 3 KW  
Array : Pole-Dipole  
'A' Spacing : 40 metres  
On-Off Time : 2 Seconds

Gridded by : Geosoft Bigrid  
Cell Size : 20 metres  
Contour Interval : 100 ohm-m

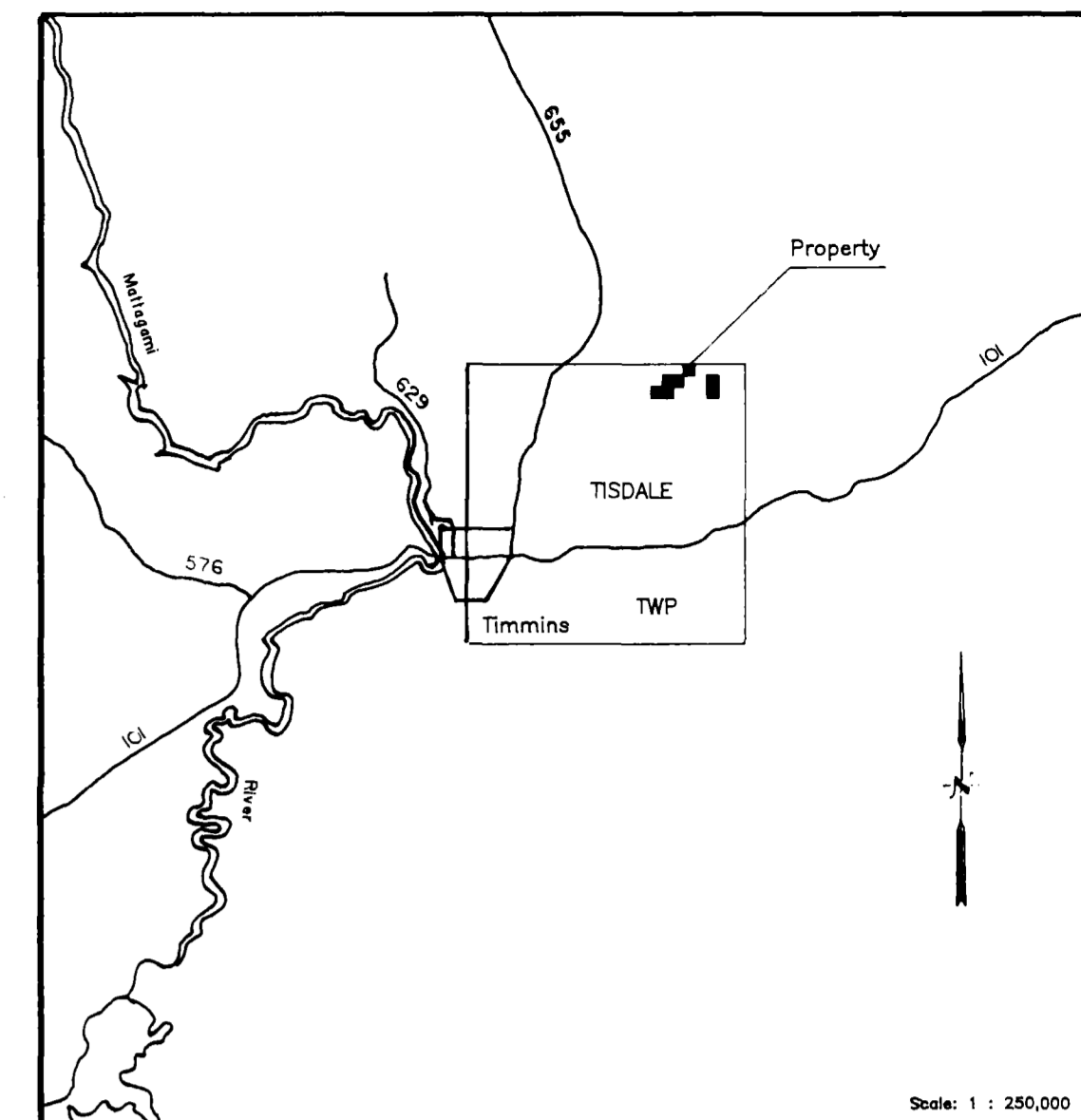
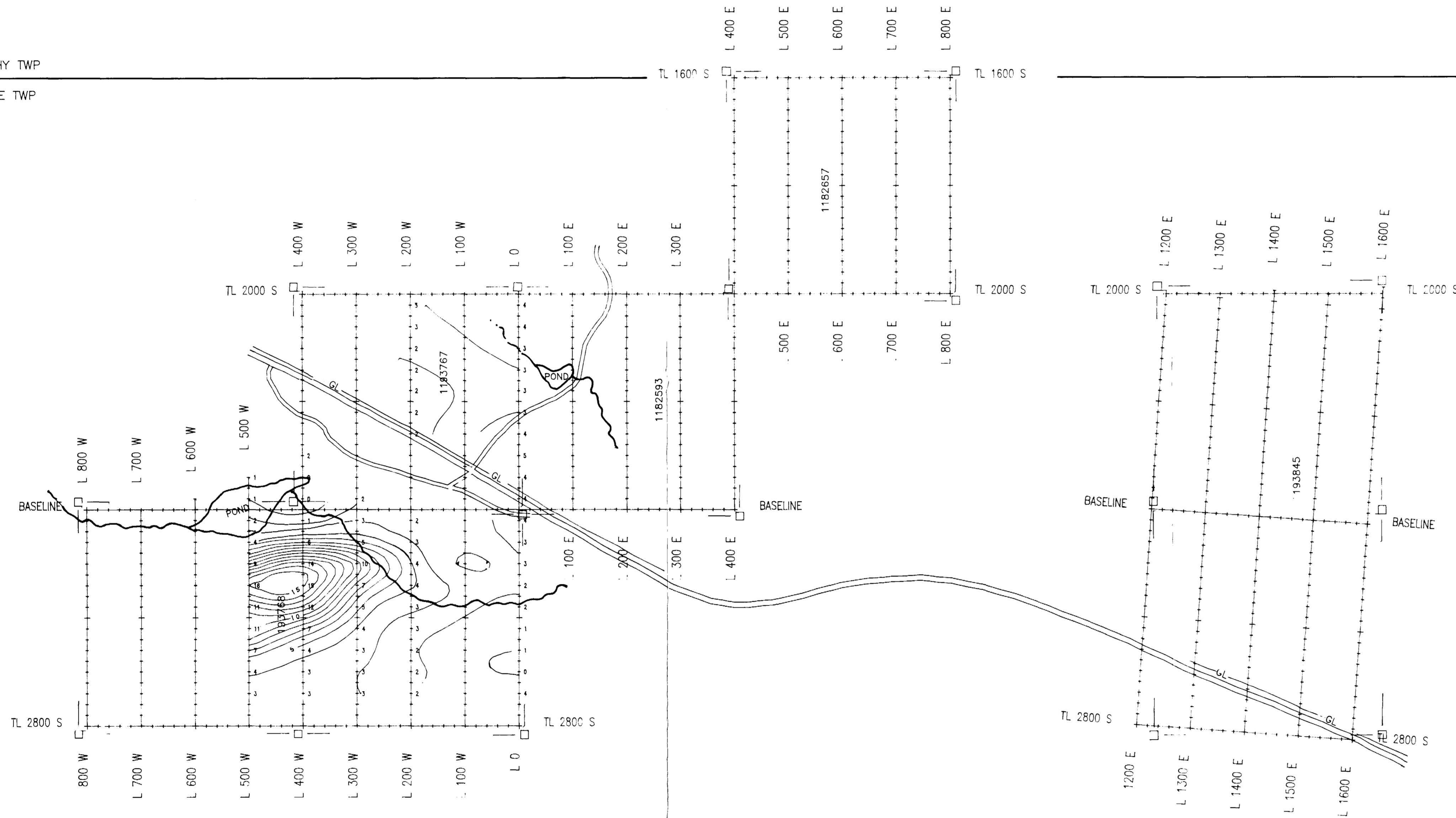


220



NORTHEAST TISDALE PROJECT	
IP RESISTIVITY (Filtered)	
TISDALE TOWNSHIP	
FILE : TIS.IP	DATE : December, 1994
WRK BY : D. Londry	<i>D. Londry</i>

MURPHY TWP  
TISDALE TWP

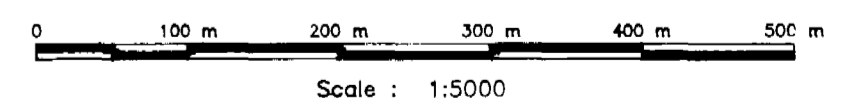
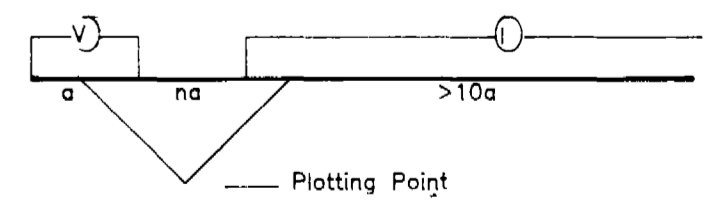


INDEX MAP



Receiver : Scintrex IPR-11  
Type : Time Domain Spectral  
Transmitter : Scintrex TSQ-3, 3 KW  
Array : Pole-Dipole  
'A' Spacing : 40 metres  
On-Off Time : 2 Seconds  
Delay Time : 690 ms  
Integration Time : 360 ms

Gridded by : Geosoft Bigrid  
Cell Size : 20 metres  
Contour Interval : 1 ms



1/4  
1/8 1/8  
1/12 1/12 1/12  
1/16 1/16 1/16 1/16

Filter

ot 4

Lot 3

Lot 2

NORTHEAST TISDALE PROJECT

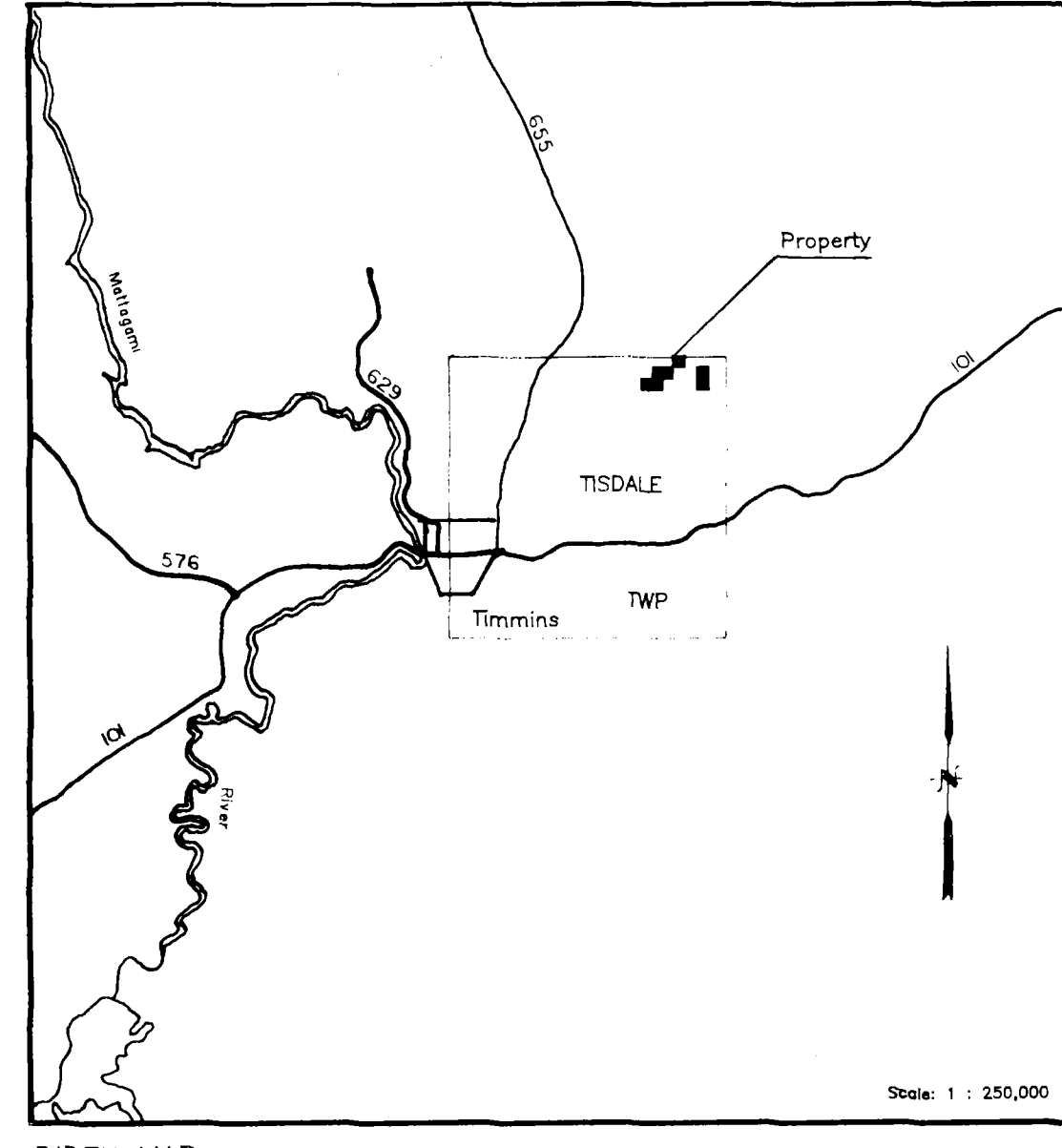
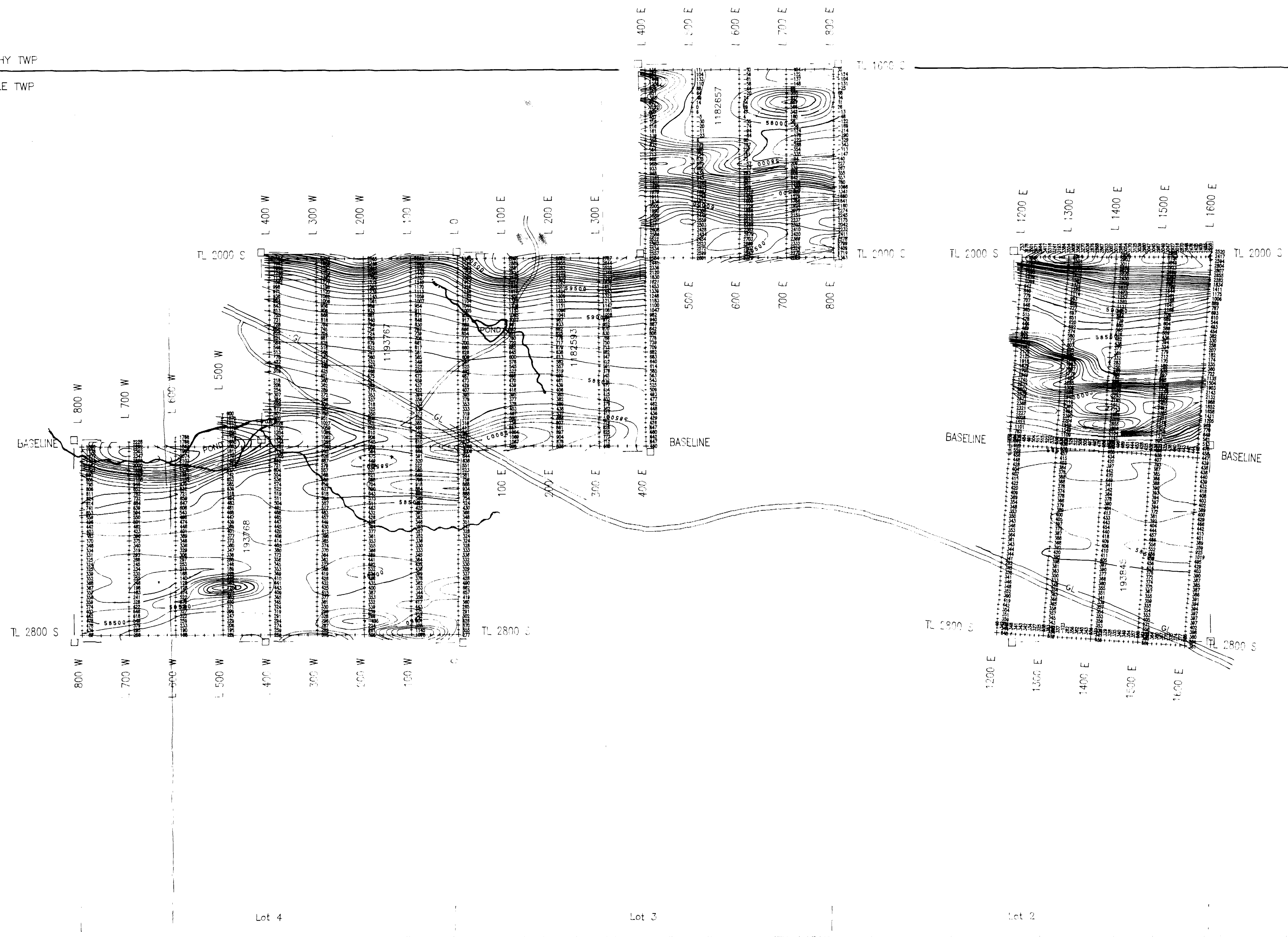
IP CHARGEABILITY  
(Filtered)  
TISDALE TOWNSHIP

FILE : TIS.IP DATE : December, 1994

WORK BY : D. Londry

12/15/94

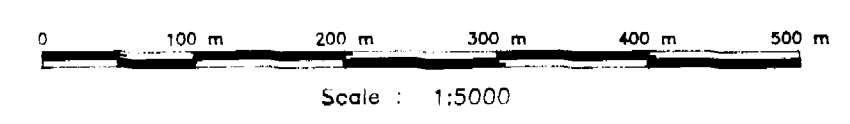
MURPHY TWP  
TISDALE TWP



INDEX MAP

LEGEND

- Instrument : Scintrex IGS-2/MP-4
- Type : Total Field Proton Precession
- Datum Level : 58000 nT
- Contour Interval : 100 nT
- Gridded By : Geosoft Bigrid
- Cell Size : 10 metres
- Filter : 1 Pass 9 Point Hanning
- Claim Post
- - - Natural Gas Pipe Line



NORTHEAST TISDALE PROJECT  
MAGNETIC SURVEY  
TISDALE TOWNSHIP

FILE : TIS.MAG DATE : December, 1994  
WORK BY : J. Landry

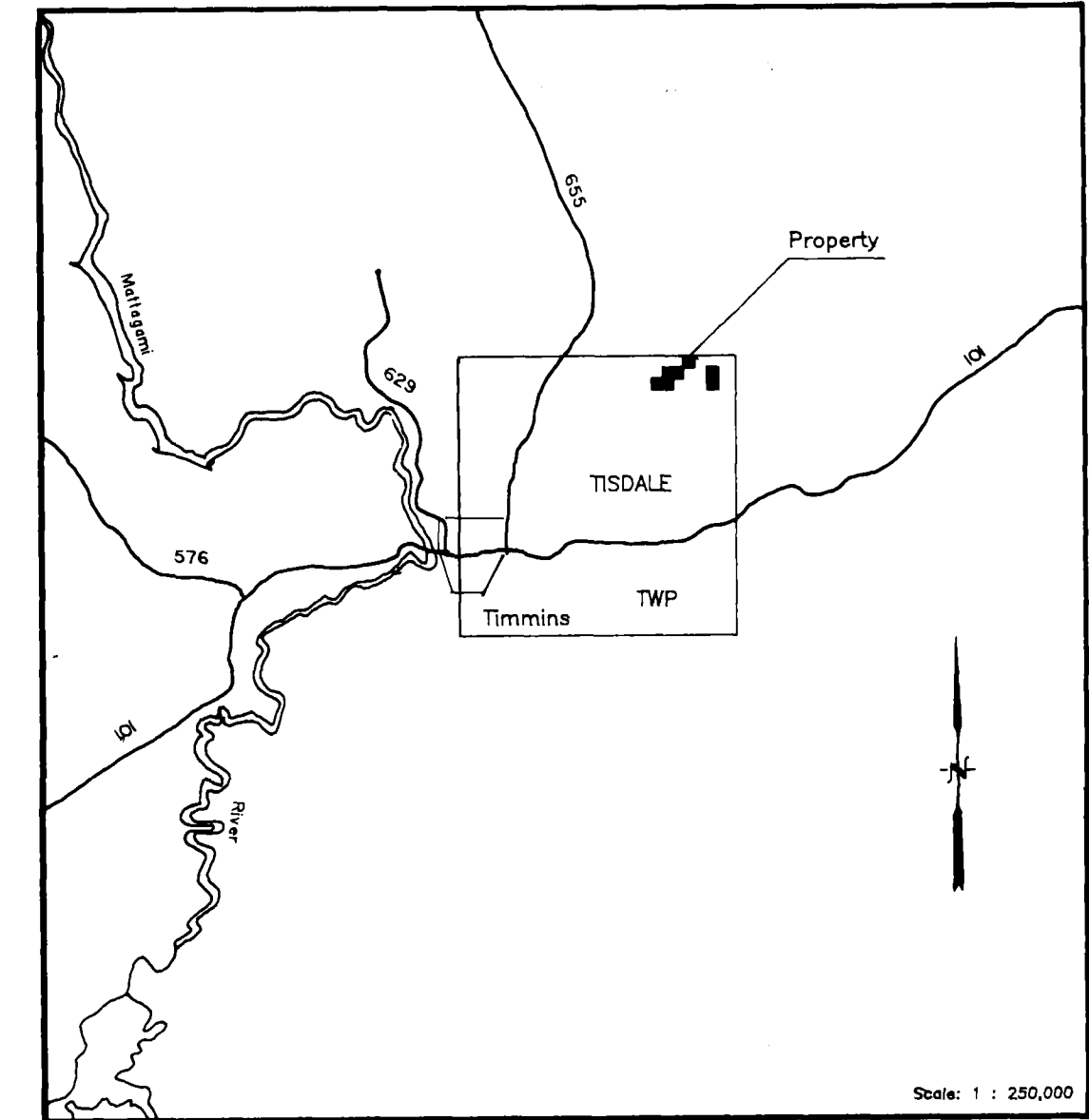
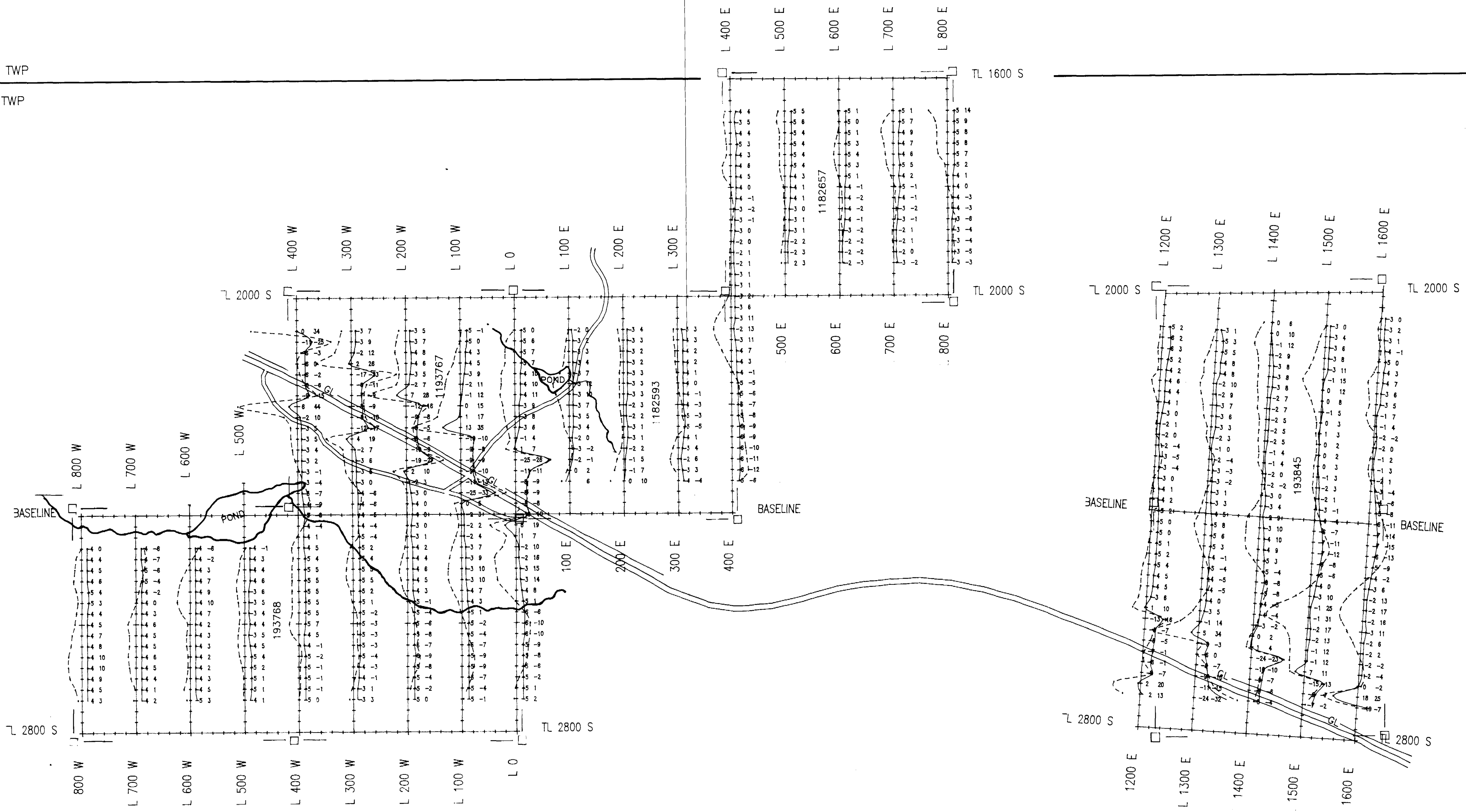
6.17015

Lot 4

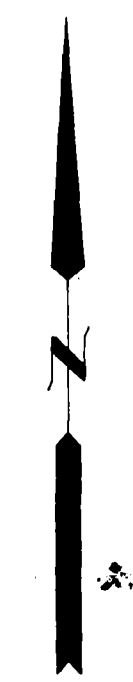
Lot 3

Lot 2

MURPHY TWP  
TISDALE TWP



INDEX MAP

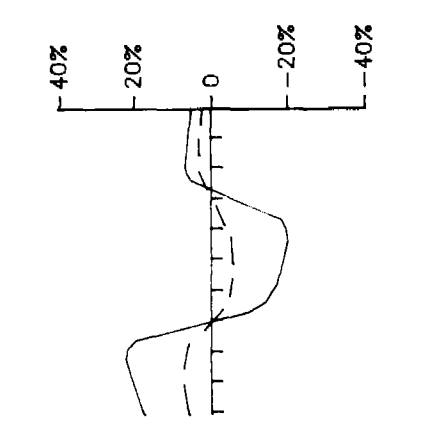


2.1.15

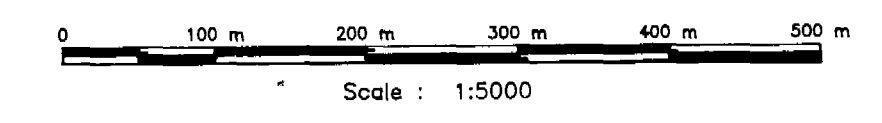
LEGEND

- Instrument : Apex Parametrics MaxMin I-5
- Coil Separation : 120 metres
- Frequency : 1777 Hz
- Claim Post
- GL — Natural Gas Pipe Line

Profile Scale : 1cm = 20%



In-phase  
Quadrature

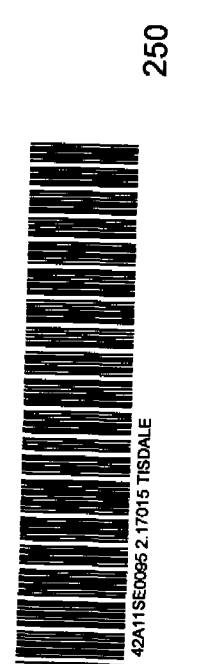


NORTHEAST TISDALE PROJECT	
HLEM SURVEY TISDALE TOWNSHIP	
FILE : TIS.HL	DATE : December, 1994
WORK BY : D. Londry	<i>D/L</i>

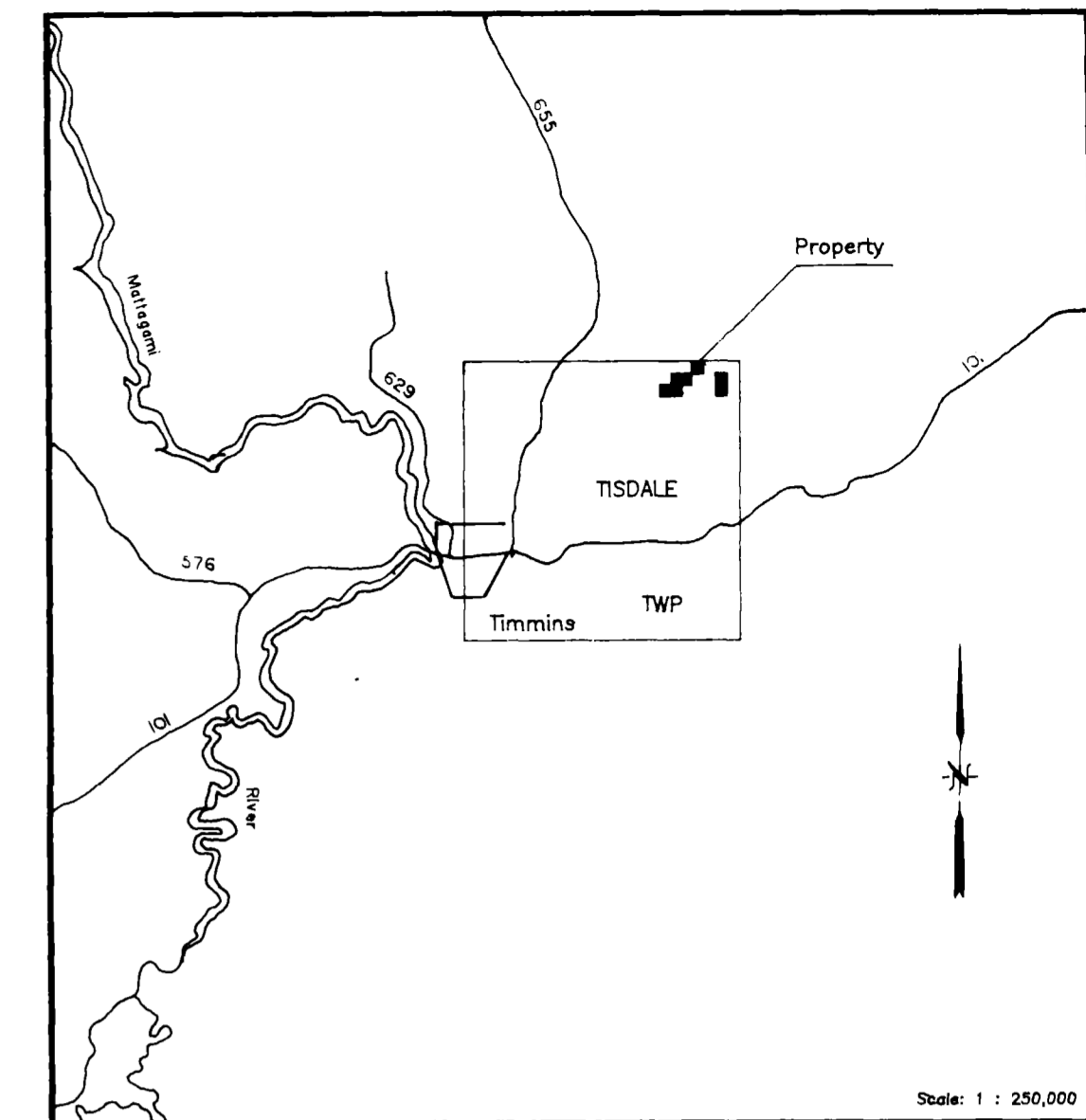
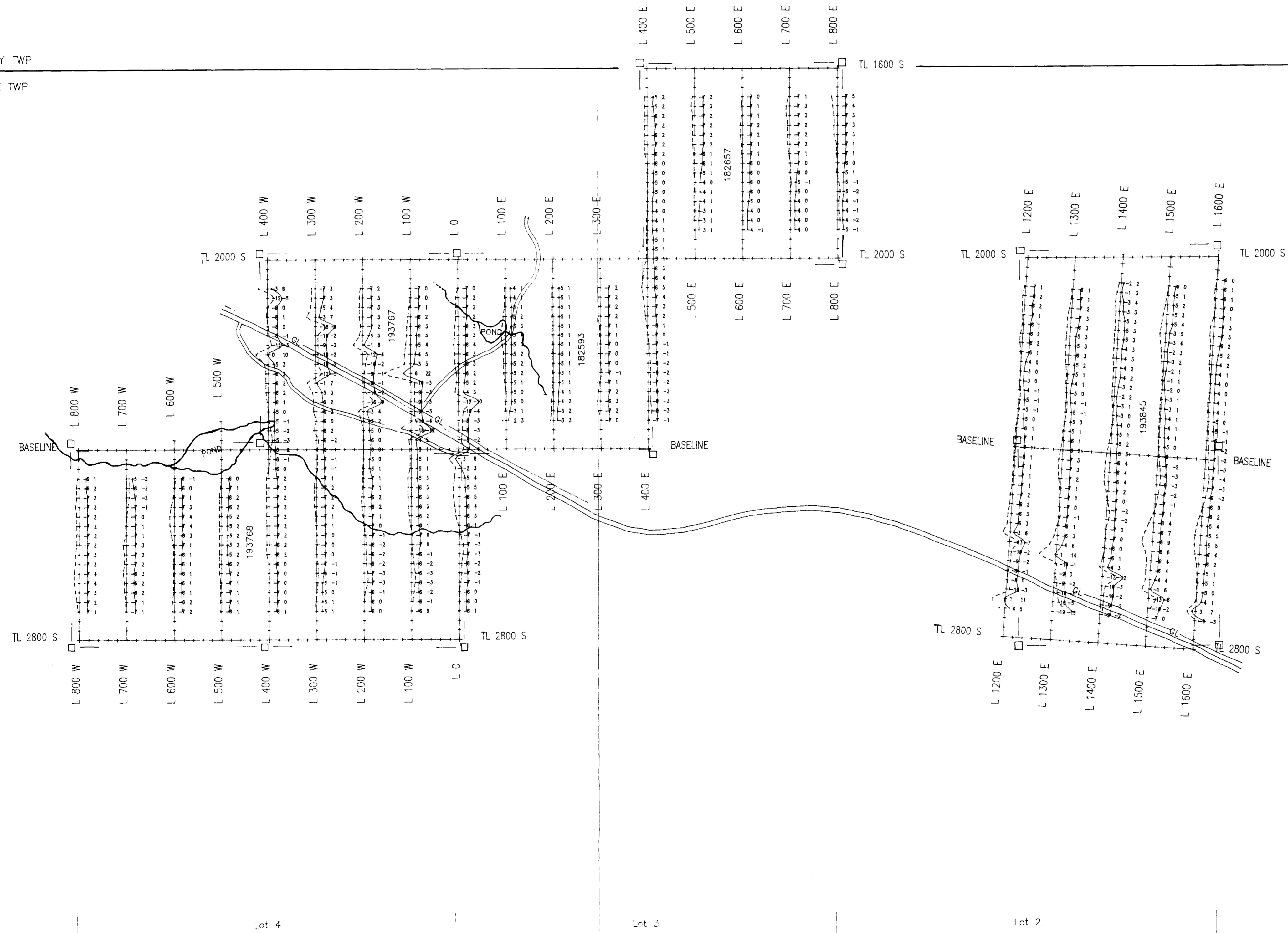
Lot 4

Lot 3

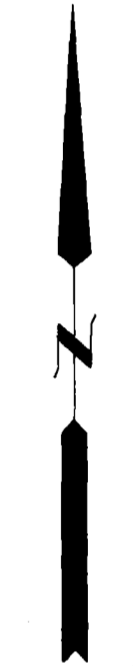
Lot 2



MURPHY TWP  
TISDALE TWP



INDEX MAP



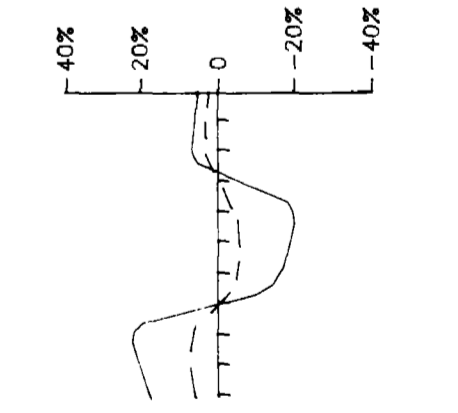
2.17015

LEGEND:

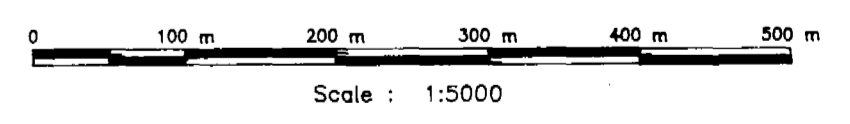
Instrument : Apex Parametrics MaxMin 1-5  
Coil Separation : 120 metres  
Frequency : 444 Hz

□ Claim Post  
— GL — Natural Gas Pipe Line

Profile Scale : 1cm = 20%



In-phase  
Quadrature



<b>NORTHEAST TISDALE PROJECT</b>	
HLEM SURVEY TISDALE TOWNSHIP	
FILE : TIS.HL	DATE : December, 1994
WORK BY : D. Londry	<i>D. Londry</i>