



42A11SW0206 2.5329 TISDALE

010

REPORT ON

A GROUND MAGNETOMETER SURVEY

TISDALE CLAIM GROUPS NUMBERS 1, 2, 3, 4, 5 and 6

PORCUPINE MINING DIVISION

**RECEIVED**  
JAN 6 1983  
MINING LANDS SECTION

By: L. Wilson  
Esso Minerals Canada  
120 Adelaide Street West  
Toronto, Ontario



42A11SW0206 2.5329 TISDALE

TABLE OF

010C

	<u>Page No.</u>
Introduction - Purpose of Survey.....	1
Location and Access.....	1
Property.....	1
Location of Tisdale Project - (Figure 1).....	2
Property (Cont'd) - Tisdale Group No. 1 to..... Tisdale Group No. 6.....	3 - 5
Previous Work - Tisdale Group No. 1 to..... Tisdale Group No. 6.....	5 - 6
Geology - Tisdale Group No. 1 to..... Tisdale Group No. 6.....	6 - 8
Interpretation - Ground Magnetometer Survey..... Claim Group 1: Claim Area 1A: Claim Area 1B.. Claim Group 2 to 6	8 - 10
Conclusions and Recommendations.....	10 - 11
Reference.....	12
Appendix I - Magnetometer Survey.....	13
Appendix II - .....	14
Appendix III - Qualifications of Author.....	15

## INTRODUCTION

### PURPOSE OF SURVEY

A ground magnetometer survey was carried out on Tisdale claim groups 1, 2, 3, 4, 5 and 6, Tisdale Township, to assist in defining the bedrock stratigraphy in the area and to possibly outline potentially gold-bearing bedrock structures.

### LOCATION AND ACCESS

All six claim groups are located in the northern half of Tisdale Township about five kilometers north and northeast of Timmins, Ontario. Tisdale Township is centered at approximately  $48^{\circ} 30' N$  and  $81^{\circ} 16.5' W$  and is indexed under NTS 42-A/6, 11.

The Tisdale Claim groups are accessible year-round by means of gravel and paved roads off highway 545 which runs north from Timmins to the Kidd Creek Mine (see Location - Claim map enclosed and Figure 1).

Regularly scheduled air service is provided by Air Canada to Timmins, Ontario.

### PROPERTY

The claims covered in this report are as follows  
(see enclosed claim map):

# LOCATION OF TISDALE PROJECT

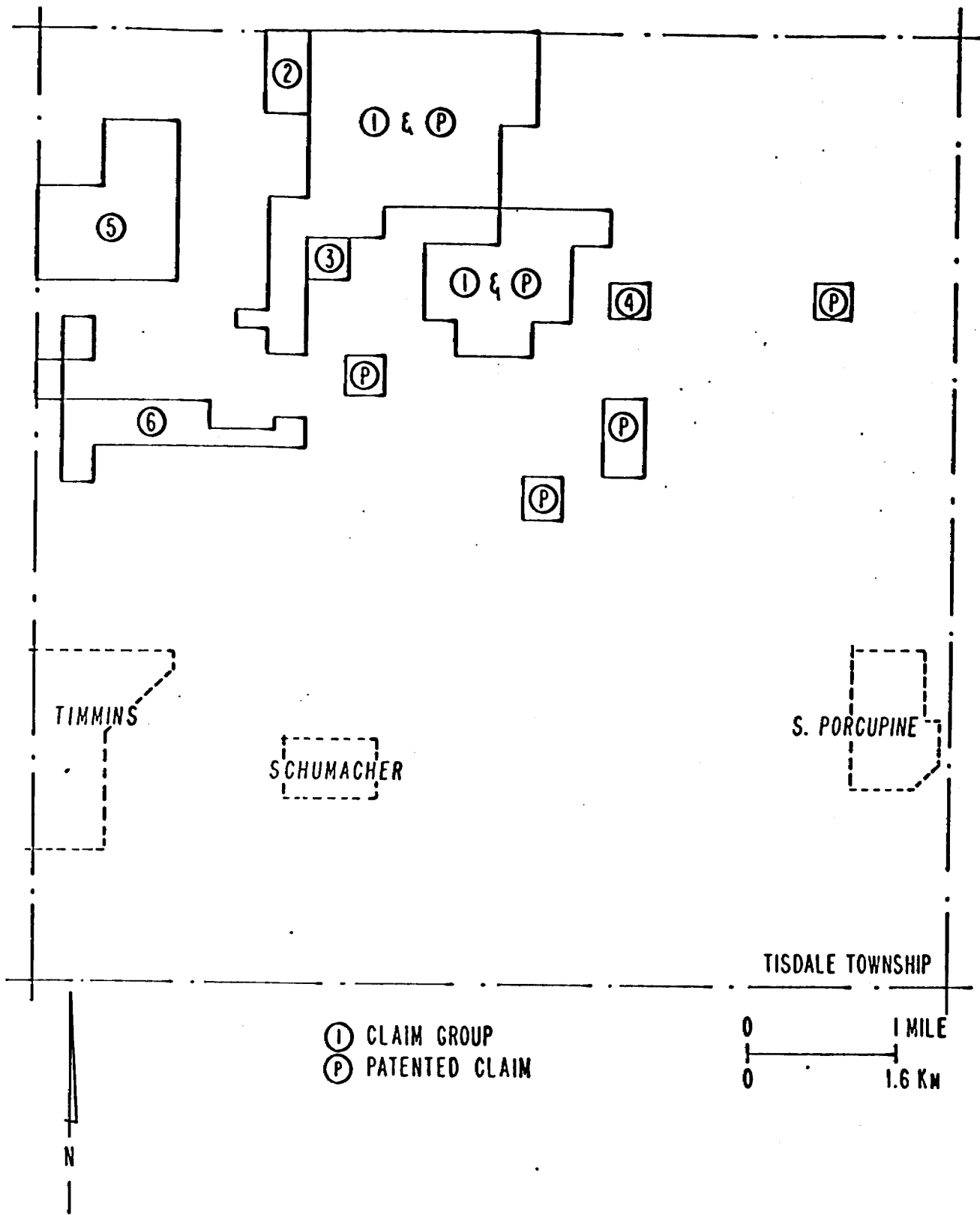


FIGURE 1

PROPERTY (CONTINUED)TISDALE GROUP NO. 1 (32.0 LINE KM)

<u>Claim Number</u>	<u>Description</u>	<u>Lot</u>	<u>Conc.</u>
P. 594781	NW $\frac{1}{4}$ S $\frac{1}{2}$	8	6
P. 594782	SW $\frac{1}{4}$ N $\frac{1}{2}$	8	6
P. 594783	SW $\frac{1}{4}$ N $\frac{1}{2}$	8	6
P. 594784	SW $\frac{1}{4}$ N $\frac{1}{2}$	7	6
P. 594785	NW $\frac{1}{4}$ S $\frac{1}{2}$	7	6
P. 594786	SW $\frac{1}{4}$ S $\frac{1}{2}$	7	6
P. 594787	SE $\frac{1}{4}$ S $\frac{1}{2}$	7	6
P. 594788	NE $\frac{1}{4}$ S $\frac{1}{2}$	7	6
P. 594789	SE $\frac{1}{4}$ N $\frac{1}{2}$	7	6
P. 594790	SW $\frac{1}{4}$ N $\frac{1}{2}$	6	6
P. 594791	NW $\frac{1}{4}$ N $\frac{1}{2}$	6	6
P. 594792	NE $\frac{1}{4}$ N $\frac{1}{2}$	7	6
P. 594793	NW $\frac{1}{4}$ N $\frac{1}{2}$	7	6
P. 595767	SE $\frac{1}{4}$ N $\frac{1}{2}$	7	5
P. 595768	SW $\frac{1}{4}$ N $\frac{1}{2}$	7	5
P. 595769	NW $\frac{1}{4}$ S $\frac{1}{2}$	7	5
P. 595770	NE $\frac{1}{4}$ S $\frac{1}{2}$	7	5
P. 595967	NW $\frac{1}{4}$ S $\frac{1}{2}$	6	5
P. 595968	NE $\frac{1}{4}$ N $\frac{1}{2}$	6	5
P. 595969	NW $\frac{1}{4}$ N $\frac{1}{2}$	5	5

PROPERTY (CONTINUED)

TISDALE GROUP NO. 2) (4.0 LINE KM)

<u>Claim Number</u>	<u>Description</u>	<u>Lot</u>	<u>Conc.</u>
P. 529973	NW $\frac{1}{4}$ N $\frac{1}{2}$	9	6
P. 529974	SW $\frac{1}{4}$ N $\frac{1}{2}$	9	6

TISDALE GROUP NO. 3) (2.0 LINE KM)

<u>Claim Number</u>	<u>Description</u>	<u>Lot</u>	<u>Conc.</u>
P. 529975	SE $\frac{1}{4}$ N $\frac{1}{2}$	9	5

TISDALE GROUP NO. 4) (2.0 LINE KM)

<u>Claim Number</u>	<u>Description</u>	<u>Lot</u>	<u>Conc.</u>
P. 595970	NE $\frac{1}{4}$ S $\frac{1}{2}$	5	5

TISDALE GROUP NO. 5) (14.4 LINE KM)

<u>Claim Number</u>	<u>Description</u>	<u>Lot</u>	<u>Conc.</u>
P. 595755	NE $\frac{1}{4}$ S $\frac{1}{2}$	11	6
P. 595756	SE $\frac{1}{4}$ S $\frac{1}{2}$	11	6
P. 595757	NE $\frac{1}{4}$ N $\frac{1}{2}$	11	5
P. 595758	SE $\frac{1}{4}$ N $\frac{1}{2}$	11	5

PROPERTY (CONTINUED)

TISDALE GROUP NO. 5 (14.4 LINE KM) CONTINUED

<u>Claim Number</u>	<u>Description</u>	<u>Lot</u>	<u>Conc.</u>
P. 595759	SW $\frac{1}{4}$ N $\frac{1}{2}$	11	5
P. 595760	NW $\frac{1}{4}$ N $\frac{1}{2}$	11	5
P. 595761	SW $\frac{1}{4}$ S $\frac{1}{2}$	11	6
P. 595762	NW $\frac{1}{4}$ S $\frac{1}{2}$	11	6

TISDALE GROUP NO. 6 (12.8 LINE KM)

<u>Claim Number</u>	<u>Description</u>	<u>Lot</u>	<u>Conc.</u>
P. 529976	SW $\frac{1}{4}$ N $\frac{1}{2}$	10	4
P. 529977	SE $\frac{1}{4}$ N $\frac{1}{2}$	11	4
P. 529978	SW $\frac{1}{4}$ N $\frac{1}{2}$	11	4
P. 529979	SW $\frac{1}{4}$ N $\frac{1}{2}$	12	4
P. 529980	NE $\frac{1}{4}$ S $\frac{1}{2}$	12	4
P. 529981	NW $\frac{1}{4}$ N $\frac{1}{2}$	12	4
P. 529982	SE $\frac{1}{4}$ S $\frac{1}{2}$	12	5

PREVIOUS WORK

TISDALE CLAIM GROUP NO. 1

1964-1965 Keevil Exploration carried out ground mag. and electromagnetic surveys on claims 594785 to 594788. One diamond drill hole by Inco tested an electromagnetic anomaly on claim 594788 and intersected mafic volcanics with interflow graphitic horizons.

PREVIOUS WORK (CONTINUED)

TISDALE CLAIM GROUP NO. 2

No previous work has been filed for this group.

TISDALE CLAIM GROUP NO. 3

No previous work has been filed for this group.

TISDALE CLAIM GROUP NO. 4

No previous work has been filed for this group.

TISDALE CLAIM GROUP NO. 5

No previous work has been filed for this group.

TISDALE CLAIM GROUP NO. 6

No previous work has been filed for this group.

GEOLOGY

TISDALE CLAIM GROUP NO. 1

The most recent mapping and compilation of Tisdale Township has been carried out by Ferguson, 1968 (Geological Report 58 and Map 2075). Based on this work there are only a few isolated outcrops of basalt and serpentinite.



GEOLOGY (CONTINUED)

TISDALE CLAIM GROUP NO. 2

The most recent mapping and compilation of Tisdale Township has been carried out by Ferguson, 1968 (Geological Report 58 and Map 2075). Based on this work there is no exposure on this group and the exact nature of the underlying bedrock is unknown.

TISDALE CLAIM GROUP NO. 3

The most recent mapping and compilation of Tisdale Township has been carried out by Ferguson, 1968 (Geological Report 58 and Map 2075). Based on this work there is no exposure on this claim although the underlying bedrock may be serpentinite and basalt.

TISDALE CLAIM GROUP NO. 4

The most recent mapping and compilation of Tisdale Township has been carried out by Ferguson, 1968 (Geological Report 58 and Map 2075). Based on this work there is an interlayered sequence of massive and variolitic basalt in the northeast corner of the claim.

TISDALE CLAIM GROUP NO. 5

The most recent mapping and compilation of Tisdale Township has been carried out by Ferguson, 1968 (Geological Report 58 and Map 2075). Based on this work there is no exposure on this group although it appears to be underlain by metasediments.

GEOLOGY (CONTINUED)TISDALE CLAIM GROUP NO. 6

The most recent mapping and compilation of Tisdale Township has been carried out by Ferguson, 1968 (Geological Report 58 and Map 2075). Based on this work the claim group appears to be underlain by a folded sequence of interlayered serpentinite and basalt.

INTERPRETATIONGROUND MAGNETOMETER SURVEY

Details concerning equipment, survey procedures and data presentation are contained in Appendix I to this report.

The corrected mag. survey values are contoured and presented in plan form on the enclosed five maps for claim groups 1A & 4, 1B & 2, 3, 5 and 6. An interpretation for each of the claim groups follows.

CLAIM GROUP 1:CLAIM AREA 1A:

The magnetic contour map shows several magnetic features with amplitudes of 500 - 2000 gammas above background. The major magnetic linear strikes NE along the south edge of claims 595967-69 in the NE corner of the claim group. Several smaller strike length features parallel this major magnetic high to the north and south. These magnetic features appear to be related to serpentinites.

INTERPRETATION (CONTINUED)CLAIM GROUP 1:CLAIM AREA 1B:

The magnetics in Claim Area 1B are relatively quiet with background values in the range of 200-300 gammas. Observed variations of 50-100 gammas are attributed to changes in bedrock topography. One strong magnetic feature, with amplitude in excess of 1500 gammas, is observed along the south edge of the claim area on Claim 594787. This magnetic feature is interpreted as serpentinite.

CLAIM GROUP 2:

There are no anomalous magnetic values over Claim Group 2.

CLAIM GROUP 3:

Three (3) anomalous magnetic features of 500-800 gammas intensity were observed. These magnetic features strike E-ENE and appear to be caused by serpentinites which have been mapped to the SW on Claim Group 6 and to the NE on Claim Group 1A.

CLAIM GROUP 4:

No anomalous magnetic features were observed over Claim Group 4.

INTERPRETATION (CONTINUED)CLAIM GROUP 5:

The magnetic responses are relatively quiet in the survey area with one localized, strongly magnetic feature indicated on the S.E. corner of claim 595758. This magnetic feature may be serpentinite-based on field mapping.

CLAIM GROUP 6:

The strong magnetic features located on (1) the north portion of claim 529982, (2) the N.W. corner of claim 529979 and (3) the southern portion of claim 529980 have been mapped as serpentinite. The magnetic features located along the south edge of claims 529977-78 and striking N.E. on claim 529976 are interpreted as being the easterly extension of the serpentinites mapped on claim 529980.

CONCLUSIONS AND RECOMMENDATIONS

The magnetometer survey does not distinguish various units within the volcanic pile and there is no indication of a change from volcanics to sediments in the survey area. Serpentinites in the area are moderately to strongly magnetic and appear to be more continuous than originally suggested by the airborne mag.

CONCLUSIONS AND RECOMMENDATIONS (CONTINUED)

The magnetometer survey, carried out in conjunction with VLF-EM and Horizontal Loop EM surveys, has not defined any probable gold-bearing targets on the six claim groups discussed in this report.

No further geophysical work is recommended at this time.

*Lloyd M. Wilson*

Lloyd M. Wilson  
Geophysicist.

REFERENCE

- 1) Ferguson, S.A., 1968, Geology and Ore Deposits of Tisdale Township; Ontario Department of Mines, Geological Report 58 plus Map 2075.

APPENDIX IMAGNETOMETER SURVEY

A Geometrics G-816 portable proton precession magnetometer was used. This instrument digitally displays the total magnetic field strength by measuring the frequency at which protons (hydrogen nuclei) precess about the prevalent earth's magnetic field. The precession frequency is directly proportional to the total magnetic field strength at the point of measurement. Sensitivities of  $\pm 1.0$  gamma can be achieved with this magnetometer.

Magnetometer readings were taken at 25 metre intervals along lines generally spaced 100 metres apart. The data is presented in plan form at a horizontal scale of 1:2500 and contour interval of 50-100 gammas.

The variations of the magnetic field (diurnal) were obtained by establishing a base station within each of the claim groups 1-6 and tying these to a main base. Further base stations were then established along grid base/tie lines within each of the claim groups. These base line/tie line station values were then fixed and any time variations of the magnetic field along the traverse lines were linearly distributed by tying in to one or more of the base stations at the end of each traverse. These linearly distributed variations in the traverse stations values were then removed from the field data.

APPENDIX II

1. D. LaForest  
Hollinger-Argus Ltd. Operator  
Timmins, Ontario
  
2. G. Tremblay  
Hollinger-Argus Ltd. Operator  
Timmins, Ontario
  
3. L.M. Wilson  
Esso Minerals Canada Geophysicist-author  
120 Adelaide St. W.  
Toronto, Ontario



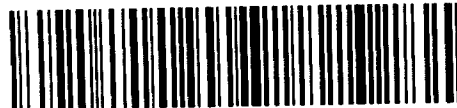
APPENDIX IIIQUALIFICATIONS OF AUTHOR

Lloyd M. Wilson attended Memorial University of Newfoundland between 1966 and 1971, graduating with a B.A. (Honors) degree in Mathematics. From May, 1971 to October, 1973, Mr. Wilson worked in oil and gas exploration for Amoco Canada Petroleum Co. Ltd. in Calgary, Alberta, specializing in potential field (i.e. gravity, magnetics) seismic methods. Since then he has had eight years of experience as a mineral exploration geophysicist - three with Geoterrex Ltd. in Ottawa and five with Esso Minerals Canada in Toronto. For the past three years he has been in charge of project planning, geophysical field activities and training of student personnel for Esso Minerals Canada. He is a member of the Society of Exploration Geophysicists, the Prospectors and Developers Association, CIMM (Toronto Branch) and KEGS.



Ministry of T

GEOPHYSICAL - GEO  
TECHNICAL D



42A11SW0206 2.5329 T1SDALE

900

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) Ground Magnetometer  
Township or Area Tisdale Township M315  
Claim Holder(s) Hollinger-Argus Ltd.  
  
Survey Company Hollinger-Argus Ltd.  
Author of Report Lloyd M. Wilson  
Address of Author 1485 Fieldlight Blvd. Pickering Ont.  
Covering Dates of Survey 15/9/81 to 30/10/81 LIV 2S3  
(linecutting to office)  
Total Miles of Line Cut 42 (67.2 km)

MINING CLAIMS TRAVERSED  
List numerically

(prefix)	(number)
.....	529973
.....	529974
.....	529975
.....	529976
.....	529977
.....	529978
.....	529979
.....	529980
.....	529981
.....	529982
.....	594781
.....	594782
.....	594783
.....	594784
.....	594785
.....	594786
.....	594787
.....	594788
.....	594789
.....	594790
.....	594791
.....	594792

If space insufficient, attach list

SPECIAL PROVISIONS  
CREDITS REQUESTED

DAYS  
per claim

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

ENTER 20 days for each  
additional survey using  
same grid.

Geophysical

-Electromagnetic \_\_\_\_\_

-Magnetometer 20

-Radiometric \_\_\_\_\_

-Other \_\_\_\_\_

Geological \_\_\_\_\_

Geochemical \_\_\_\_\_

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

Magnetometer \_\_\_\_\_ Electromagnetic \_\_\_\_\_ Radiometric \_\_\_\_\_  
(enter days per claim)

DATE: Dec 9, 1982 SIGNATURE: Lloyd M. Wilson  
Author of Report or Agent

Res. Geol. \_\_\_\_\_ Qualifications J. 4488

Previous Surveys

File No.	Type	Date	Claim Holder
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....

TOTAL CLAIMS 39 (see attached)

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 1276 Number of Readings 1276
Station interval 25 meters Line spacing 100 meters
Profile scale Horizontal scale 1:2500
Contour interval 50-100 Gammas

MAGNETIC

Instrument Geometrics G-816
Accuracy - Scale constant + 10 Gammas
Diurnal correction method Time variations of magnetic field linearly distributed along each
Base Station check-in interval (hours) 1-2 hours traverse or survey loop.
Base Station location and value Base stations located along base line for each survey grid -
base stations located at baseline-crossline intersections.

ELECTROMAGNETIC

Instrument
Coil configuration
Coil separation
Accuracy
Method: [ ] Fixed transmitter [ ] Shoot back [ ] In line [ ] Parallel line
Frequency (specify V.L.F. station)
Parameters measured

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

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

SELF POTENTIAL

Instrument \_\_\_\_\_ Range \_\_\_\_\_

Survey Method \_\_\_\_\_

Corrections made \_\_\_\_\_

RADIOMETRIC

Instrument \_\_\_\_\_

Values measured \_\_\_\_\_

Energy windows (levels) \_\_\_\_\_

Height of instrument \_\_\_\_\_ Background Count \_\_\_\_\_

Size of detector \_\_\_\_\_

Overburden \_\_\_\_\_

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey \_\_\_\_\_

Instrument \_\_\_\_\_

Accuracy \_\_\_\_\_

Parameters measured \_\_\_\_\_

Additional information (for understanding results) \_\_\_\_\_

AIRBORNE SURVEYS

Type of survey(s) \_\_\_\_\_

Instrument(s) \_\_\_\_\_

(specify for each type of survey)

Accuracy \_\_\_\_\_

(specify for each type of survey)

Aircraft used \_\_\_\_\_

Sensor altitude \_\_\_\_\_

Navigation and flight path recovery method \_\_\_\_\_

Aircraft altitude \_\_\_\_\_ Line Spacing \_\_\_\_\_

Miles flown over total area \_\_\_\_\_ Over claims only \_\_\_\_\_



594793  
595767  
595768  
595769  
595770  
595967  
595968  
595969  
595970  
595755  
595756  
595757  
595758  
595759  
595760  
595761  
595762



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

E.5329

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.

#470  
The Mining Act - 529973

Type of Survey(s) <b>Ground Magnetic</b>	Township or Area <b>Tisdale Township M315</b>
Claim Holder(s) <b>Hollinger Argus Ltd.</b>	Prospector's Licence No. <b>A20822</b>
Address <b>P.O. Box 320 Timmins, Ontario P4N 7E2</b>	
Survey Company <b>Hollinger Argus Ltd.</b>	Date of Survey (from & to) <b>15 9 81   30 10 81</b>
Name and Address of Author (of Geo-Technical report) <b>Lloyd Wilson c/o Esso Minerals Canada - 120 Adelaide St. W. Toronto</b>	

2.5329

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

Mining Claims Traversed (List in numerical sequence)		
Prefix	Mining Claim Number	Expend. Days Cr.
P	529973	
	529974	
	529975	
	529976	
	529977	
	529978	
	529979	
	529980	
	529981	
	529982	
	594781	
	594782	
	594783	
	594784	
	594785	
	594786	
	594787	
	594788	
	594789	
	594790	
	594791	
	594792	

Prefix	Mining Claim Number	Expend. Days Cr.
	594793	
	595767	
	595768	
	595769	
	595770	
	595967	
	595968	
	595969	
	595970	
	595755	
	595756	
	595757	
	595758	
	595759	
	595760	
	595761	
	595762	

**RECEIVED**  
DEC 24 1982

**MINING LANDS SECTION**

**RECEIVED**

**RECORDED**  
DEC 22 1982

Expenditures (excludes power strapping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditures

Total Expenditures \$ + 15 = Total Days Credits

Receipt No. ....

Total number of mining claims covered by this report of work. **39**

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.

For Office Use Only

Total Days Cr. Recorded: 15022/

Date Recorded: Aug 22/

Date Approved as Recorded: Aug 4/83

Mining Reporter: [Signature]

Regional Mining Reporter: [Signature]

Date: DEC 21-82

Recorded Holder or Agent (Signature): W.H. King

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: **Lloyd M. Wilson 1485 Fieldlight Blvd. Pickering, Ontario L1V 2S3**

Date Certified: [Signature]

Certified by (Signature): [Signature]



ESSO MINERALS CANADA  
120 ADELAIDE STREET WEST, P.O. BOX 4029, STATION "A"  
TORONTO, ONTARIO M5W 1K3

S. B. MACEACHERN  
*Regional Exploration Manager*

July 25, 1983

Our File: 16.63.A04

Your File: 2.5329

Mr. E.F. Anderson  
Director  
Land Management Branch  
Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3

Dear Sir:

Re: Geophysical (Magnetometer) survey on mining  
claims P. 529973 et al in the Township of Tisdale

As per your letter of July 15, 1983, enclosed herein are the five magnetometer plans (in duplicate) for the above-mentioned survey. Each of the maps has been signed by the author.

Yours truly,

Lloyd M. Wilson

**RECEIVED**

JUL 28 1983

**MINING LANDS SECTION**

LMW:mab  
Enclosure



16.63.A04

July 15, 1983

2.5329

Esso Minerals Canada  
120 Adelaide Street West  
P.O. Box 4029  
Station "A"  
Toronto, Ontario  
M5W 1K3

Attention: L. Ferguson

Dear Sir:

RE: Geophysical (Magnetometer) survey on mining claims  
P 529973 et al in the Township of Tisdale

---

Returned herein are five magnetometer plans (in duplicate) for the above-mentioned survey. Please have the author of the report sign each map and return them to this office quoting file 2.5329.

For further information, please contact Mr. F.W. Matthews at (416)965-1380.

Yours very truly,

E.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: (416)965-1380

S. Hurst:mc

Encl.

cc: Hollinger Argus  
Timmins, Ontario

cc: Mining Recorder  
Timmins, Ontario



Feb 4/83

Mining Lands Comments

maps not signed

To: Geophysics *Mr Barklow*

Comments

Approved  Wish to see again with corrections

Date *May 11/83* Signature *[Signature]*

To: Geology - Expenditures

Comments

Approved  Wish to see again with corrections

Date Signature

To: Geochemistry

Comments

*[Handwritten mark]*

Approved  Wish to see again with corrections

Date Signature

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

470

1983 02 03

2.5329

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 529973 et al in the Township of Tisdale.

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

Yours very truly,

E.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/965-1380

DW:sc

cc: Hollinger Argus Limited  
Timmins, Ontario  
cc: Lloyd Wilson  
c/o Esso Minerals Canada  
Toronto, Ontario



ESSO MINERALS CANADA  
120 ADELAIDE STREET WEST, P.O. BOX 4029, STATION "A"  
TORONTO, ONTARIO M5W 1K3

FENTON SCOTT  
*Vice President Exploration*  
S. B. MACLACHERN  
*Regional Exploration Manager*

January 3, 1983.  
File: 16.63.A04

Mr. E. F. Anderson,  
Director Lands Management Branch,  
Room 6450,  
Whitney Block,  
Queen's Park, Ontario.  
M7A 1W3.

RECEIVED  
JAN 6 1983  
MINING LANDS SECTION

Attention: Mining Lands Section

Dear Sir:

Please find enclosed a full assessment report and plans in duplicate on a ground magnetometer survey carried out on each of the 39 claims in six groups in Tisdale Township listed on the attached. This work should provide 20 days of assessment work for each of the 39 claims.

Yours sincerely,

LF/kc  
encl.

L. Ferguson,  
Geologist,  
Esso Minerals Canada.

Claim Group 1: 595767 to 595770  
595967 to 595969  
594781 to 594793

Claim Group 2: 529973, 529974

Claim Group 3: 529975

Claim Group 4: 595970

Claim Group 5: 595755 to 595762

Claim Group 6: 529976 to 529982

P 529973	May	793	✓
974	✓	595 767	✓
975	✓	768	✓
976	✓	769	✓
977	✓	770	✓
978	✓	595 967	✓
979	✓	968	✓
980	✓	969	✓
981	✓	970	✓
982	✓	755	✓
594 781	✓	756	✓
782	✓	757	✓
783	✓	758	✓
784	✓	759	✓
785	✓	760	✓
786	✓	761	✓
787	✓	762	✓
788	✓		
789	✓		
790	✓		
791	✓		
792	✓		

Murphy Twp.

THE TOWNSHIP OF  
OF  
**TISDALE**

DISTRICT OF  
COCHRANE  
PORCUPINE  
MINING DIVISION

SCALE: 1-INCH=40 CHAINS

**LEGEND**

- PATENTED LAND (P)
- CROWN LAND SALE (S) or (C.S.)
- LEASES (L)
- LOCATED LAND (Loc.)
- LICENSED OF OCCUPATION (L.O.)
- MINING RIGHTS ONLY (M.R.O.)
- SURFACE RIGHTS ONLY (S.R.O.)
- ROADS (—)
- IMPROVED ROADS (—)
- KINGS HIGHWAYS (—)
- RAILWAYS (—)
- POWER LINES (—)
- MARSH OR MUSKEG (—)
- MINES (—)
- GEODECTIC STATION (—)
- SURFACE RIGHTS ONLY PATENTED (—)

**NOTES**

This township lies within the Municipality of CITY of TIMMINS.

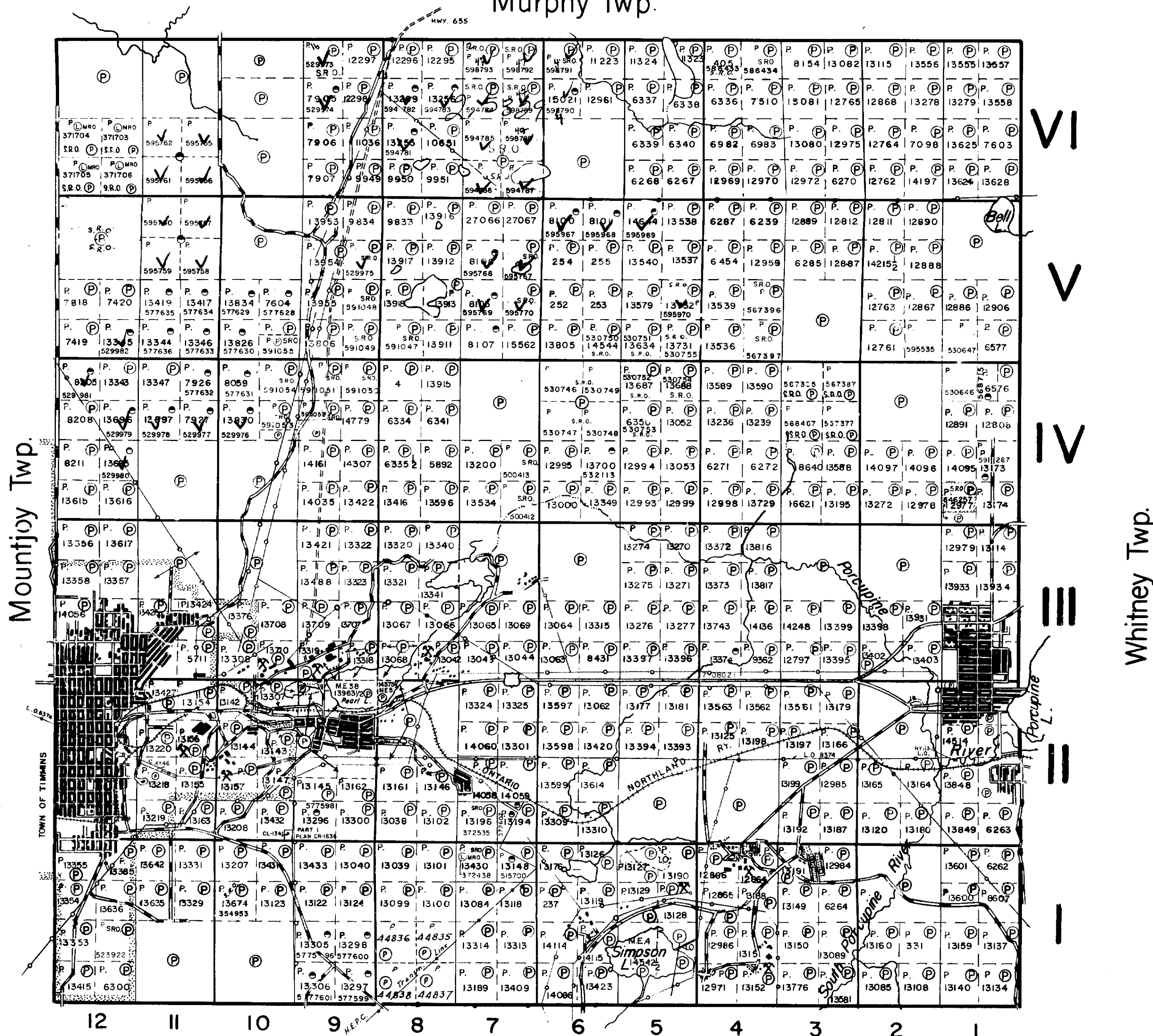
400' Surface rights reservation around all lakes & rivers.

Town boundary of TIMMINS shown thus: ———  
NOW WITHIN THE CITY OF TIMMINS.

DATE OF ISSUE  
AUG - 3 1983  
Ministry of Natural Resources  
TORONTO

PLAN NO.- M. 315

ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH



Moutjoy Twp.

Whitney Twp.

Deloro Twp.



42A115W0206 2-5329 TISDALE

Murphy Twp.

THE TOWNSHIP  
OF  
**TISDALE**

DISTRICT OF  
COCHRANE  
PORCUPINE  
MINING DIVISION

SCALE: 1-INCH=40 CHAINS

**LEGEND**

- PATENTED LAND (P)
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- LEASES (L)
- LOCATED LAND (Loc.)
- LICENSE OF OCCUPATION (L.O.)
- MINING RIGHTS ONLY (M.R.O.)
- SURFACE RIGHTS ONLY (S.R.O.)
- ROADS (—)
- IMPROVED ROADS (—)
- KINGS HIGHWAYS (—)
- RAILWAYS (—)
- POWER LINES (—)
- MARSH OR MUSKEG (—)
- MINES (—)
- GEODECTIC STATION (—)
- SURFACE RIGHTS ONLY PATENTED (—)

**NOTES**

This township lies within the Municipality of CITY of TIMMINS.

400' Surface rights reservation around all lakes & rivers.

Town boundary of TIMMINS shown thus  NOW WITHIN THE CITY OF TIMMINS.

DATE OF ISSUE  
DEC - 7 1982  
Ministry of Natural Resources  
TORONTO

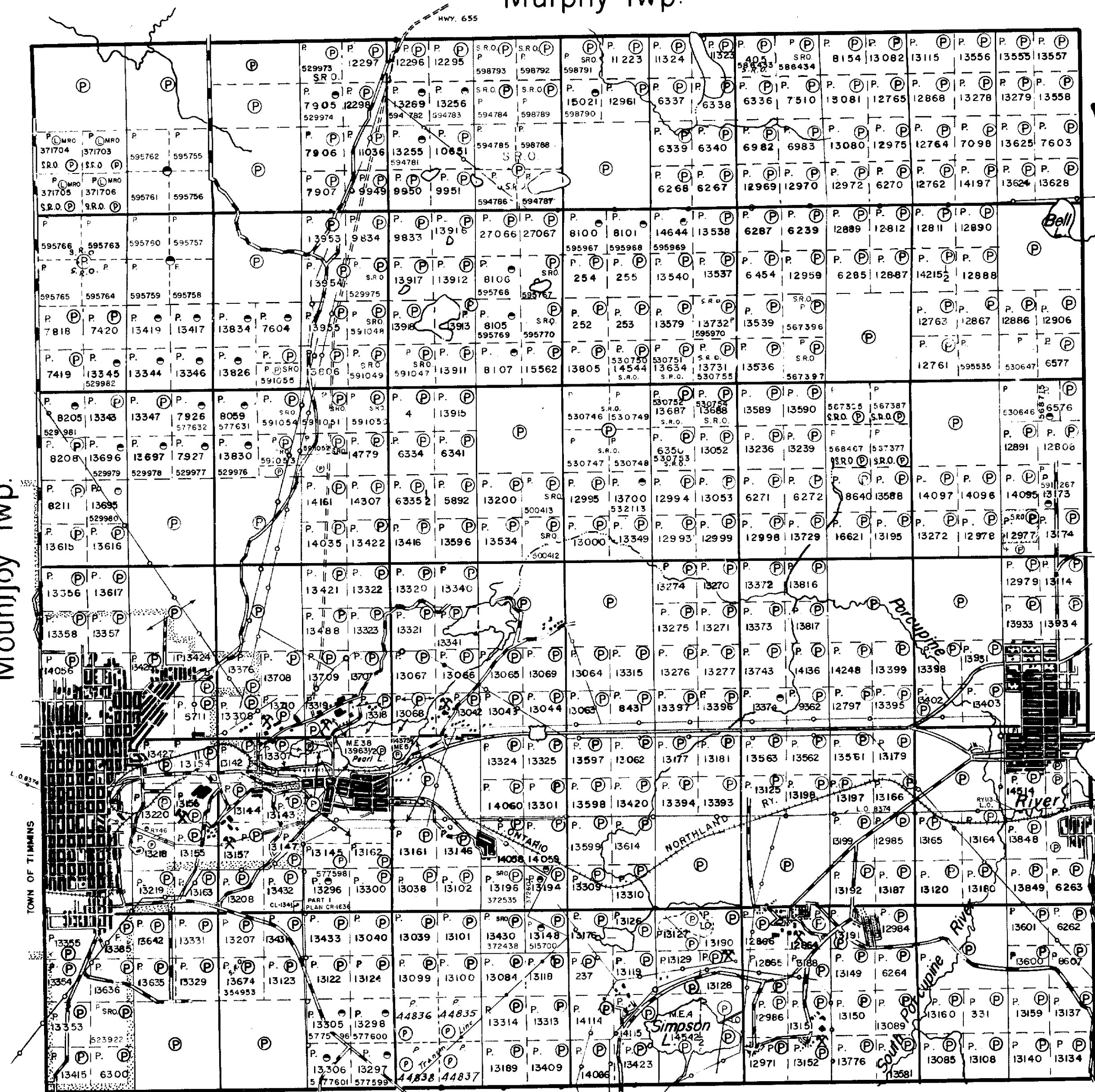
PLAN NO. - M. 315

ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH

Mountjoy Twp.

Whitney Twp.

VI  
V  
IV  
III  
II  
I



Deloro Twp.



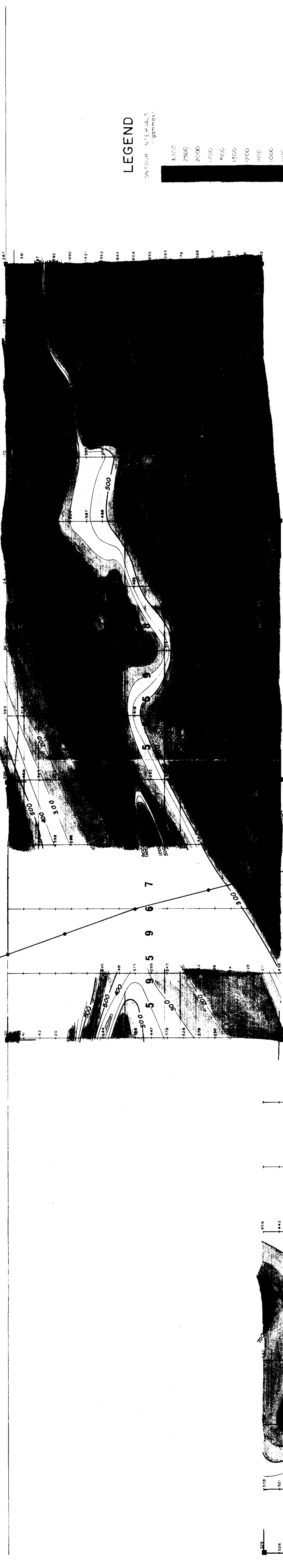
42A115W6206 2.5329 TISDALE

2.5329



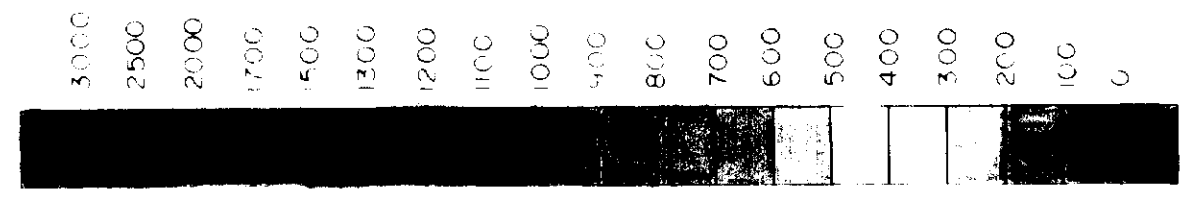
CON. VI  
CON. V

L-36+00E L-35+00E L-34+00E L-33+00E L-32+00E L-31+00E L-30+00E L-29+00E L-28+00E L-27+00E L-26+00E L-25+00E L-24+00E L-23+00E L-22+00E L-21+00E L-20+00E L-19+00E L-18+00E L-17+00E L-16+00E L-15+00E L-14+00E L-13+00E L-12+00E



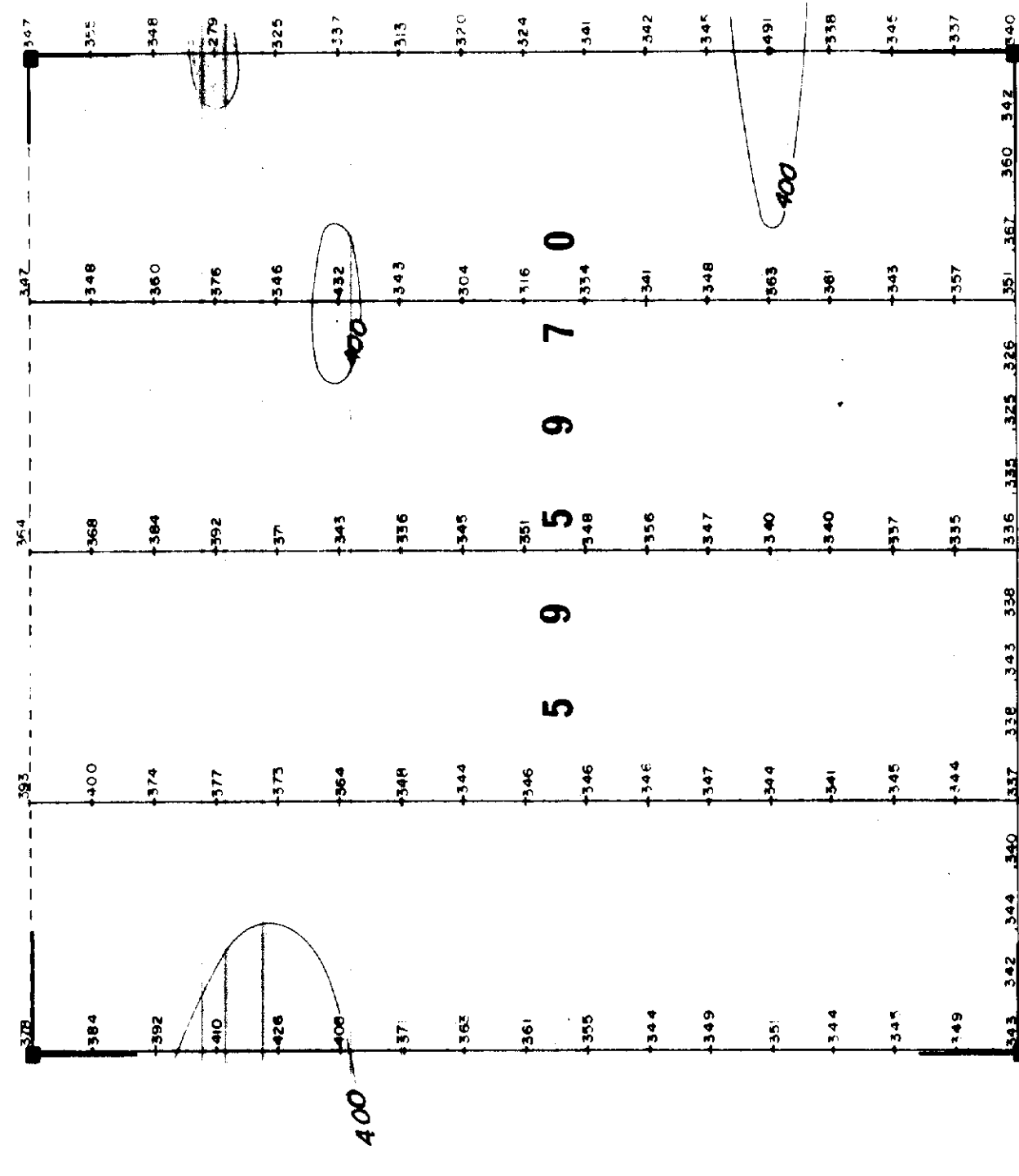
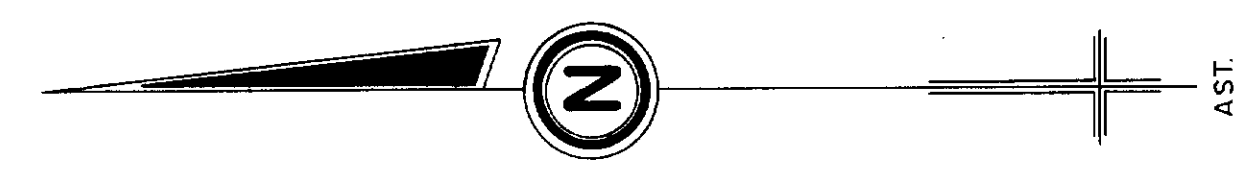
LEGEND

ONTARIO MINERALS  
SPRINGS



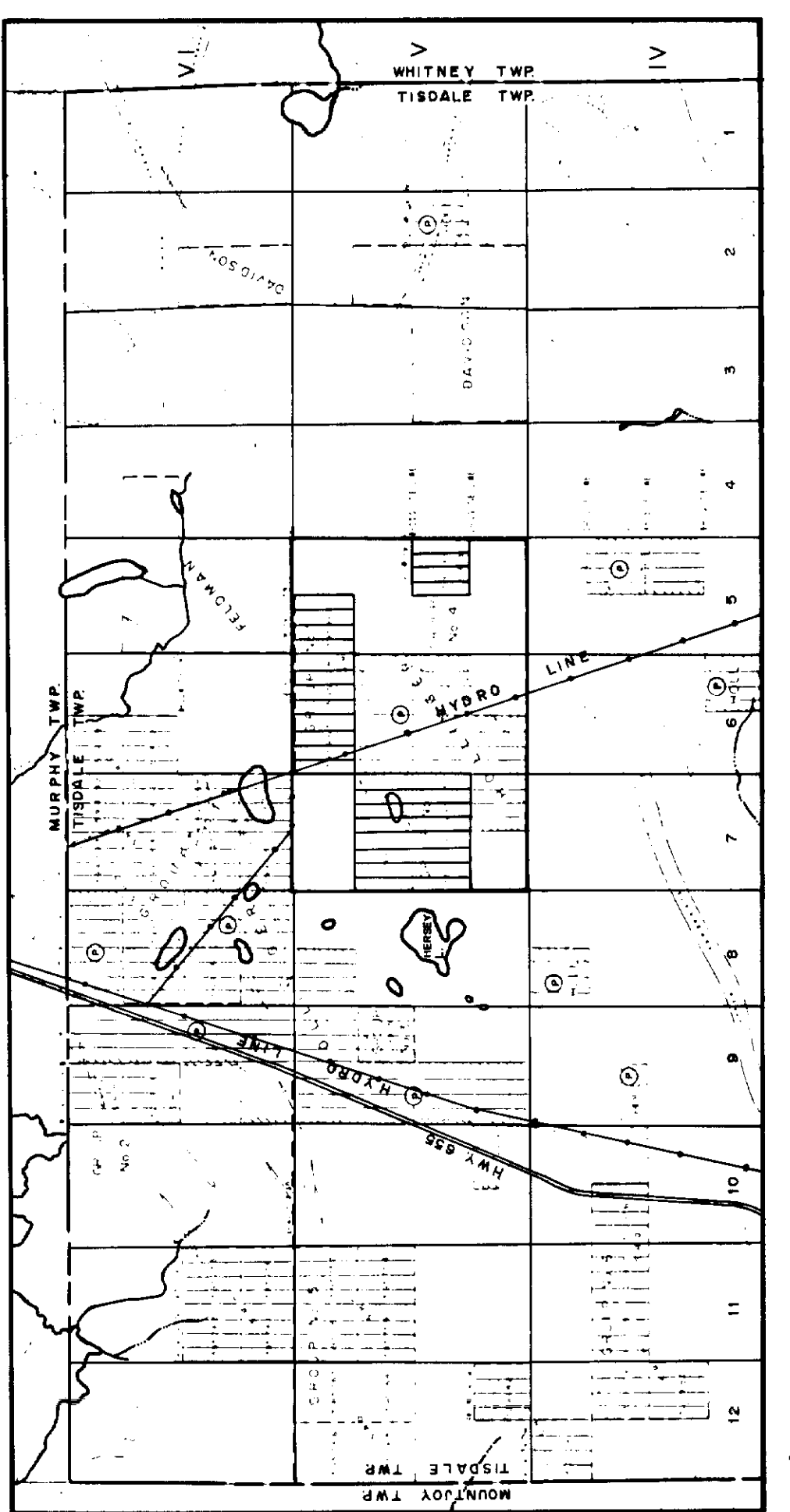
Lot 5 Lot 4

Lot 6 Lot 5



Lot 7 Lot 6

Lot 8 Lot 7



HOLLINGER ARGUS LTD.  
&  
ESSO MINERALS CANADA

MAGNETIC SURVEY

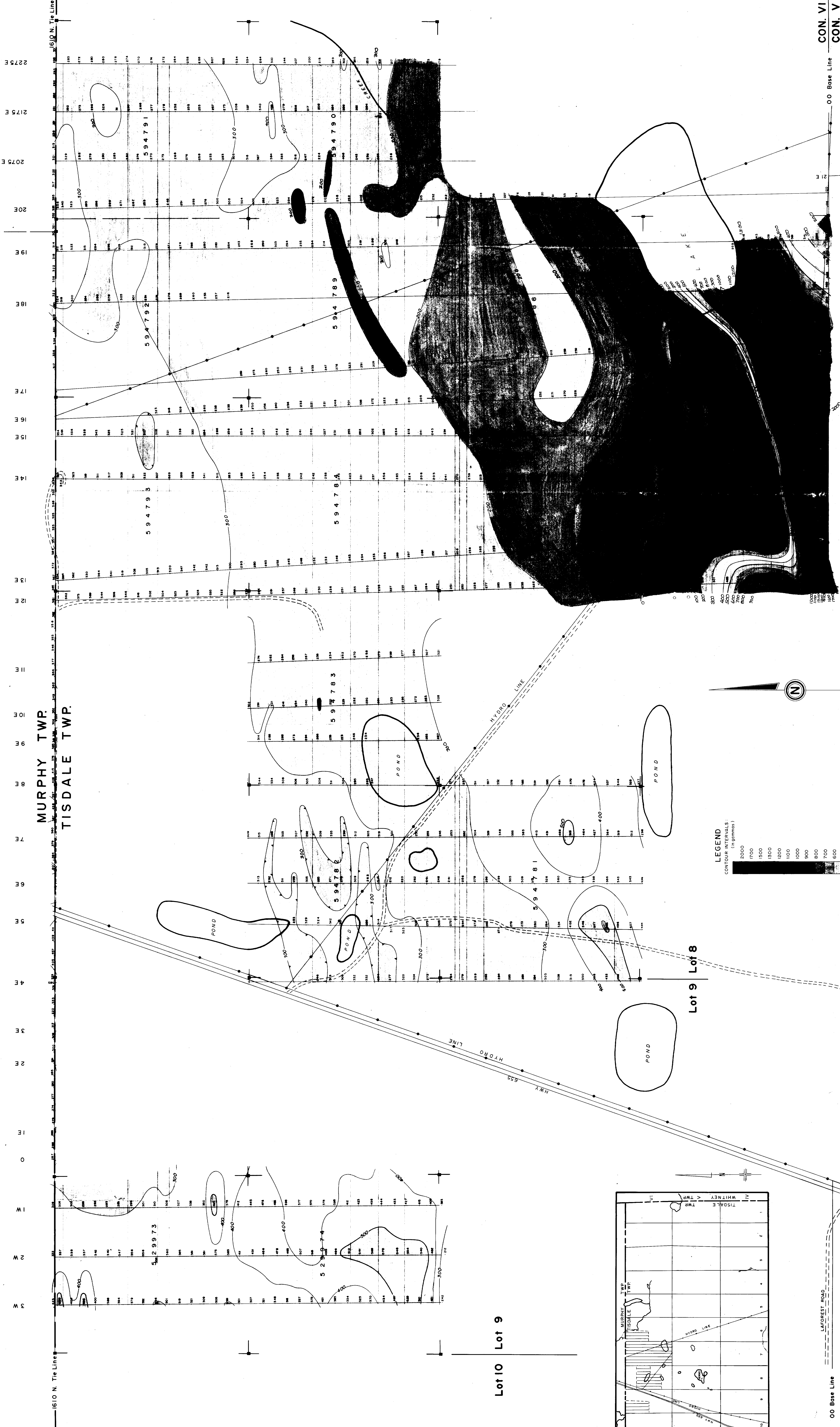
TISDALE NO. 1A & 4  
TISDALE TWP. ONT.  
SCALE 1:2500



Joseph M. Wilson  
2-5529



MURPHY TWP.  
TISDALE TWP.

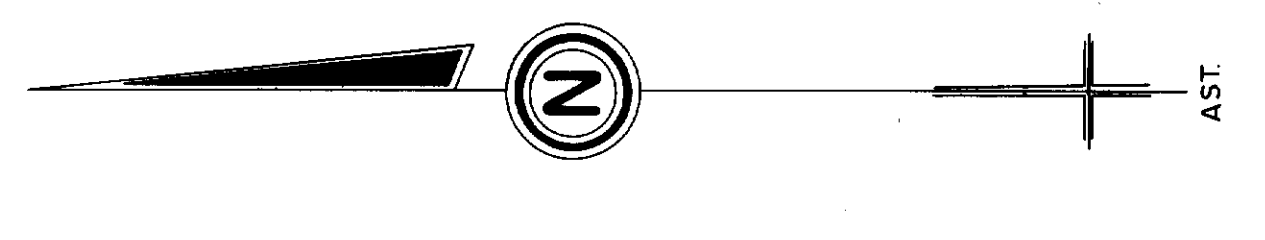


Lot 10 Lot 9  
Lot 9 Lot 8  
Lot 8 Lot 7  
Lot 7 Lot 6

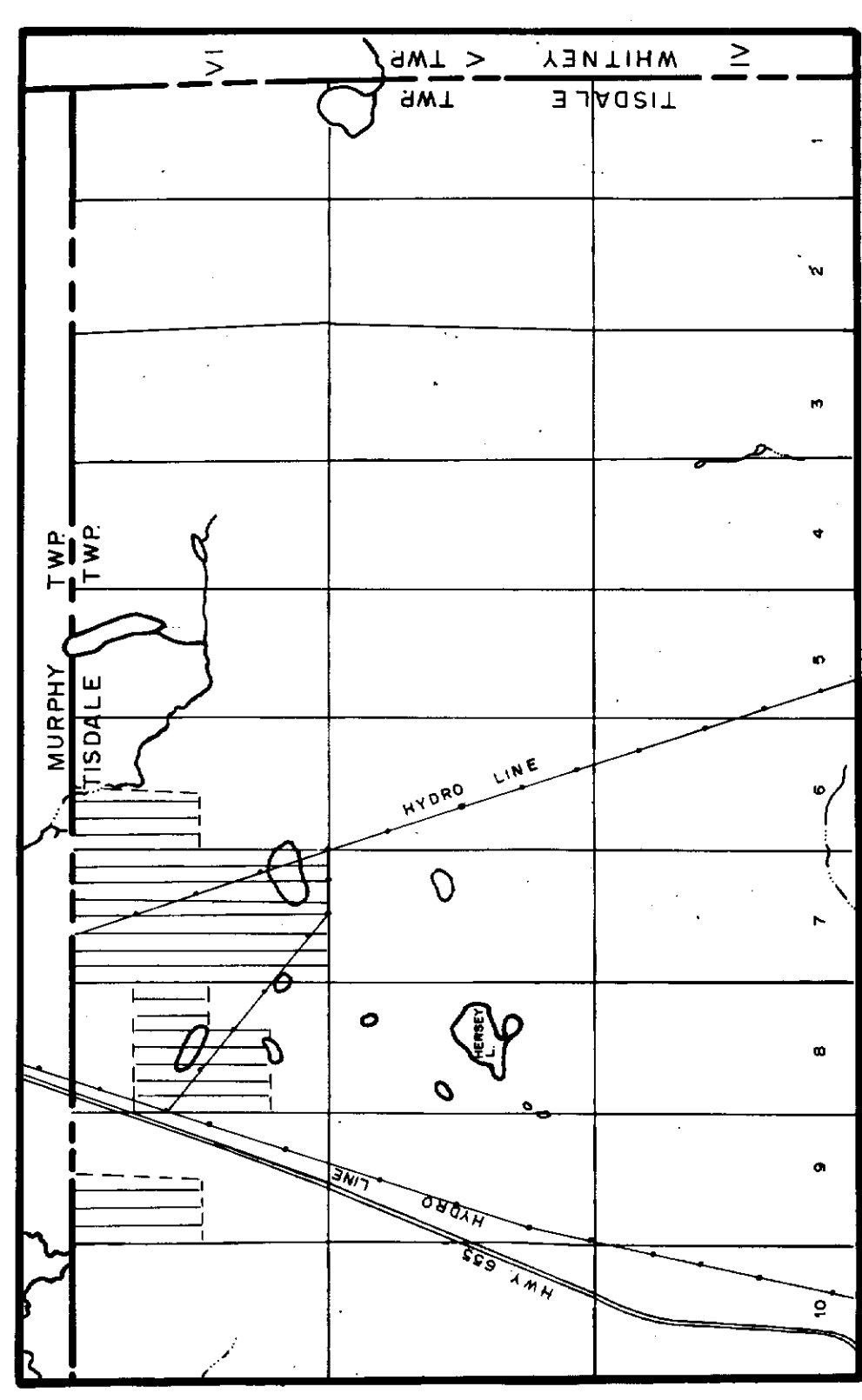
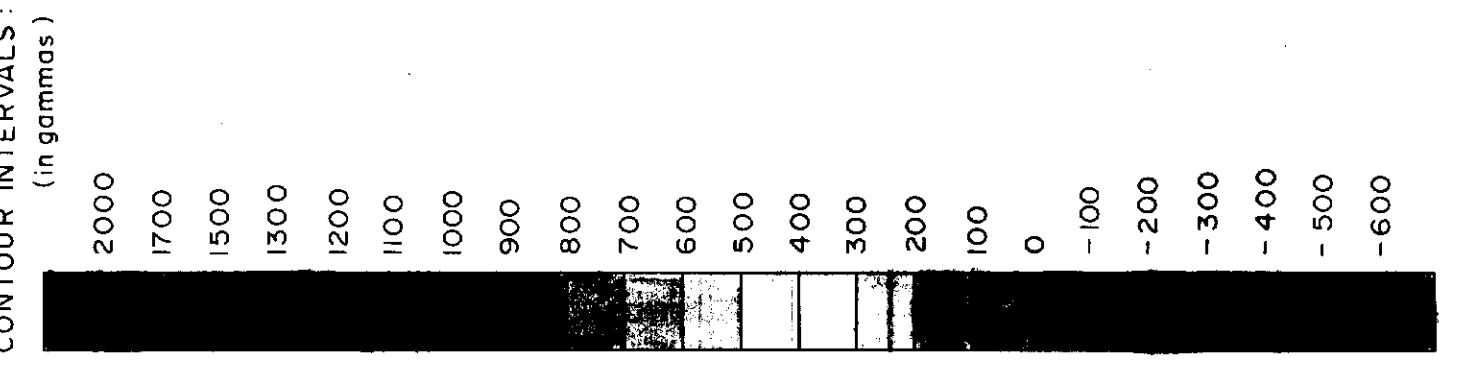
CON. VI  
CON. V

HOLLINGER ARGUS LTD.  
8  
ESSO MINERALS CANADA  
MAGNETIC SURVEY  
TISDALE Nos. 1-B8.2  
TISDALE TWP. ONT.

Scale 1:2500  
DRAWN BY: J.S. GIBSON



LEGEND  
CONTOUR INTERVALS:  
(in gammas)

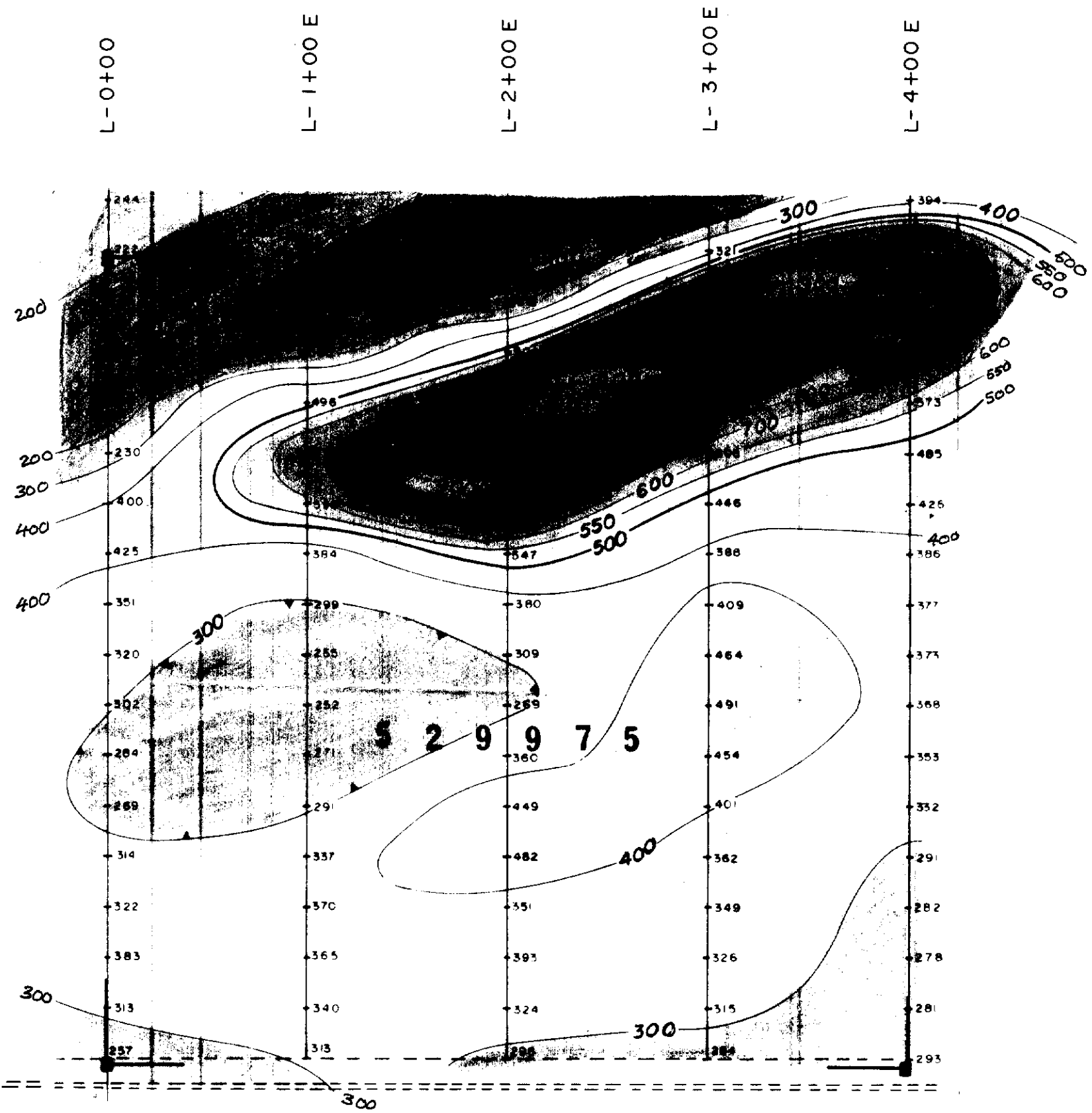


Lot 10 Lot 9

Lot 9 Lot 8

00 Base Line

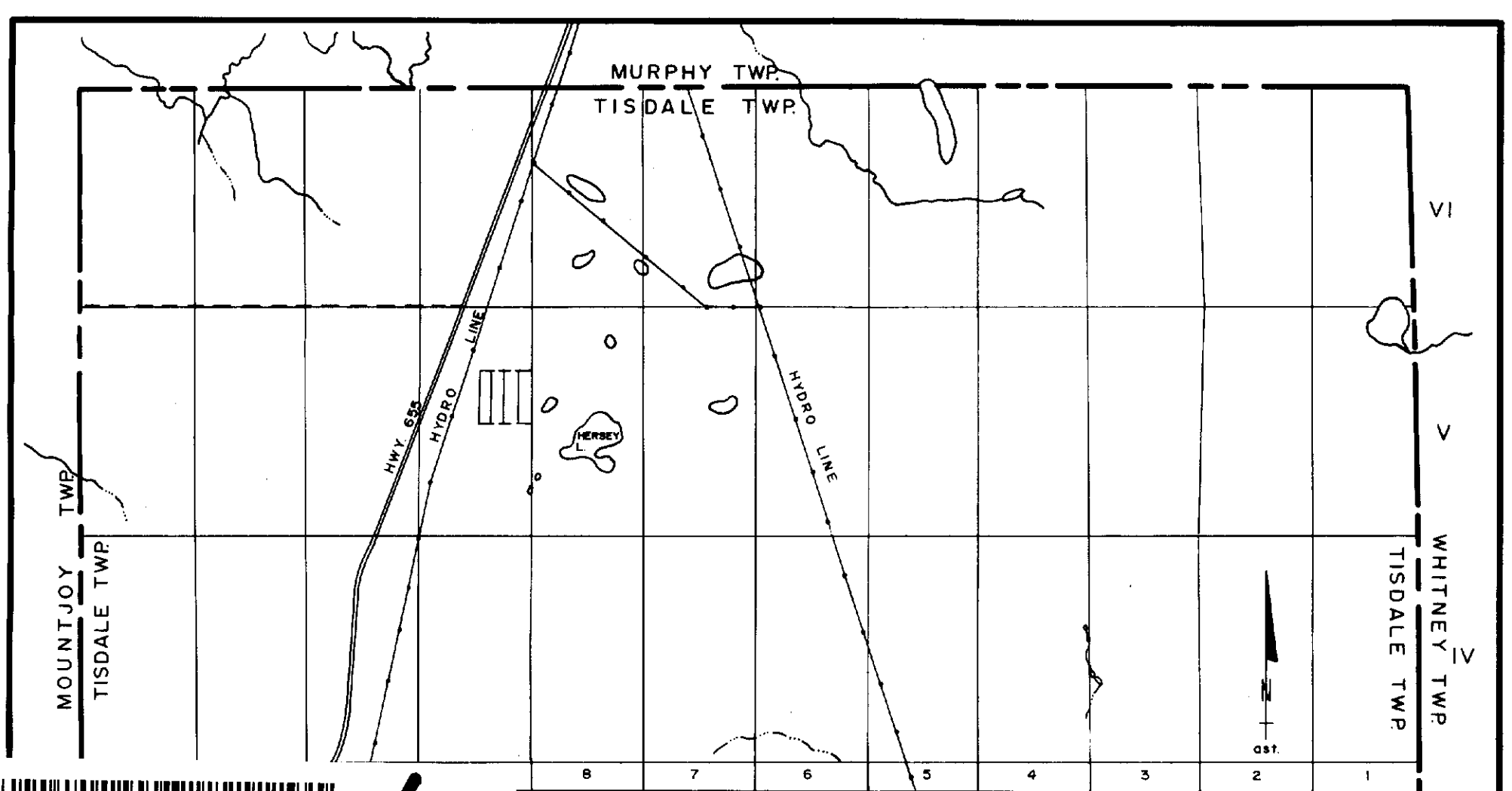
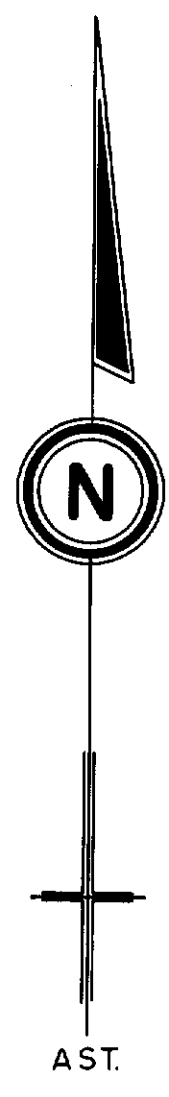
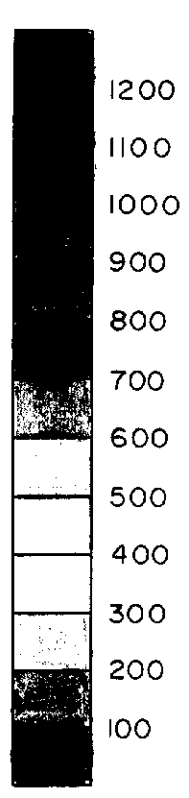




Lot 9 Lot 8

**LEGEND**

CONTOUR INTERVALS:  
(in gammas)



**HOLLINGER ARGUS LTD.**  
**&**  
**ESSO MINERALS CANADA**  
**MAGNETIC SURVEY**  
 TISDALE No. 3  
 TISDALE TWP. ONT.  
 Scale 1: 2500



*Lloyd M. Wilson* 2.5329.



Lot 12 Lot 11

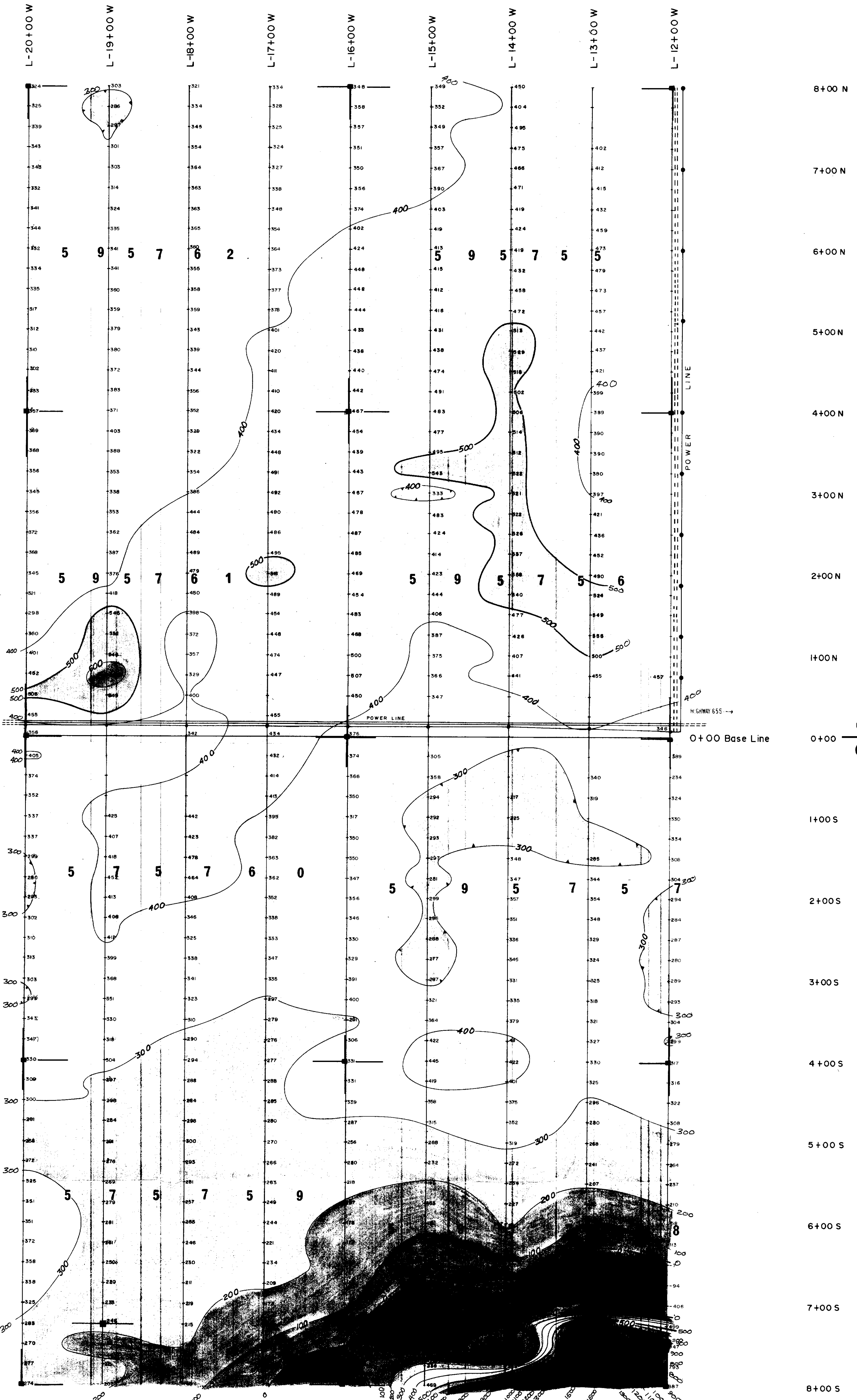
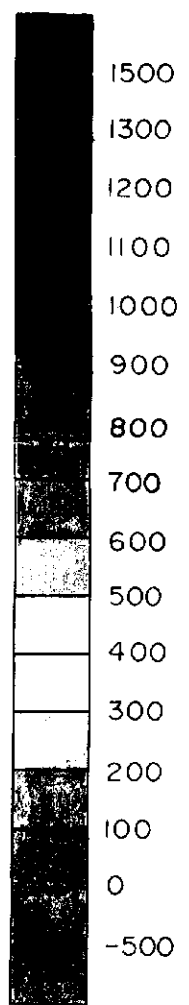
Lot 11 Lot 10



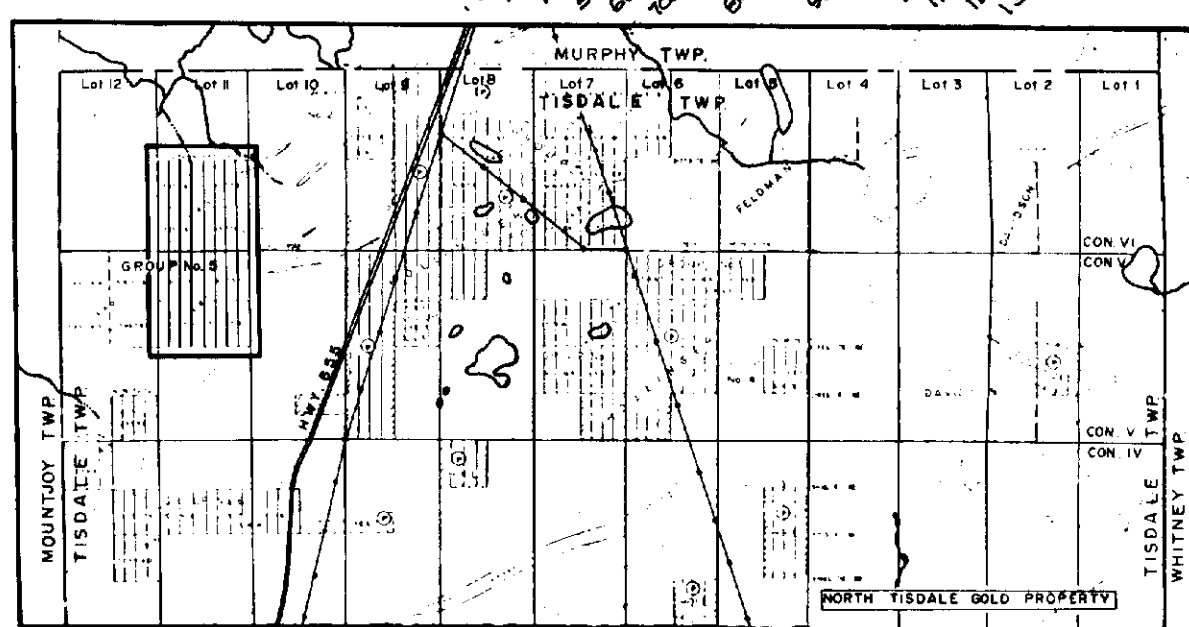
LAFORREST ROAD

LEGEND

CONTOUR INTERVALS:  
(in gammas)



CON. VI  
CON. V



HOLLINGER ARGUS LTD.  
&  
ESSO MINERALS CANADA  
MAGNETIC SURVEY

TISDALE No. 5  
TISDALE TWP. ONT.

Scale 1:2500

DRAFTED BY: M. Wong & W.B. Coughlin

Lloyd M. Wilson

2.5329



42A1159286 2.5329 TISDALE

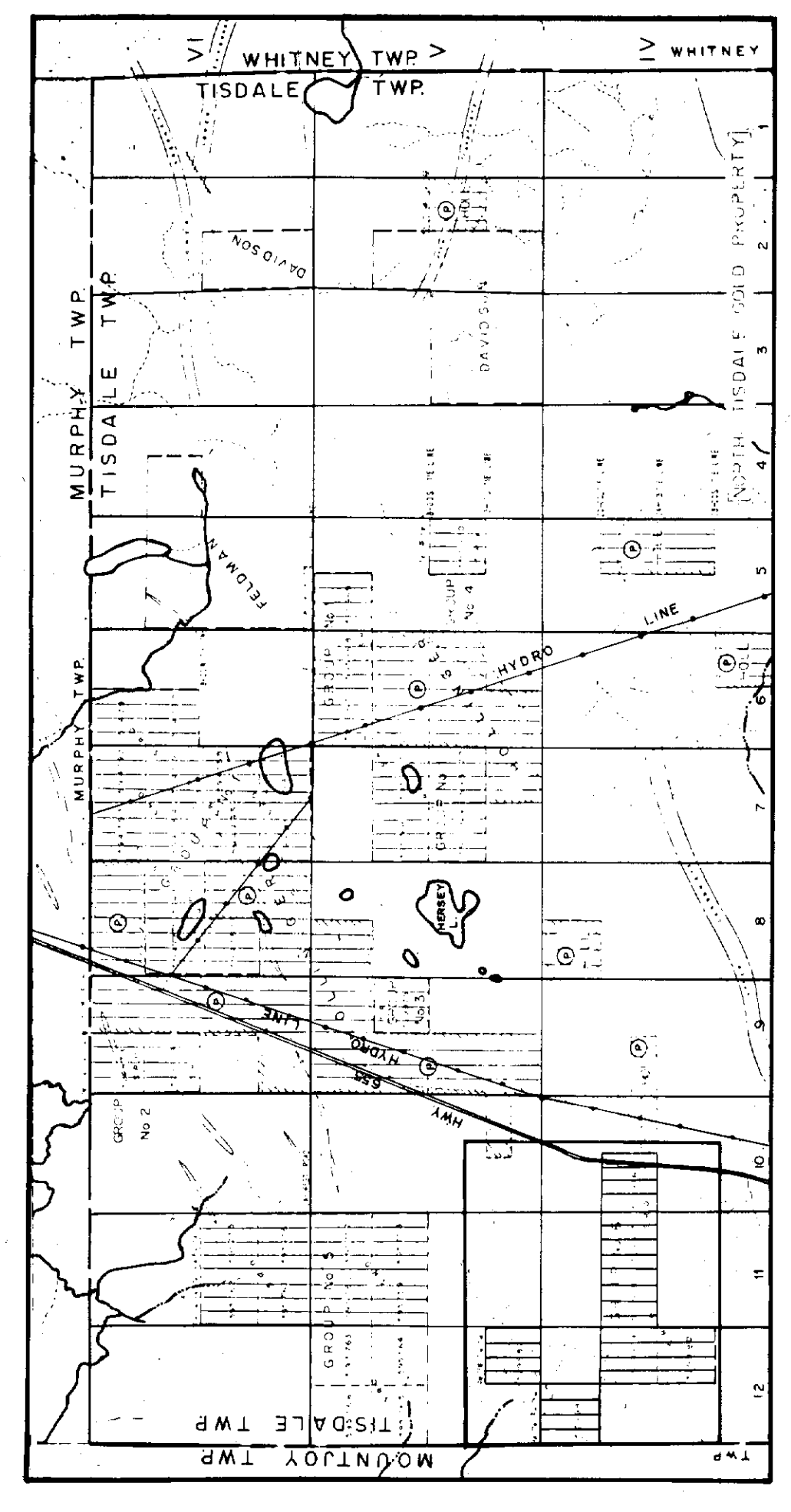
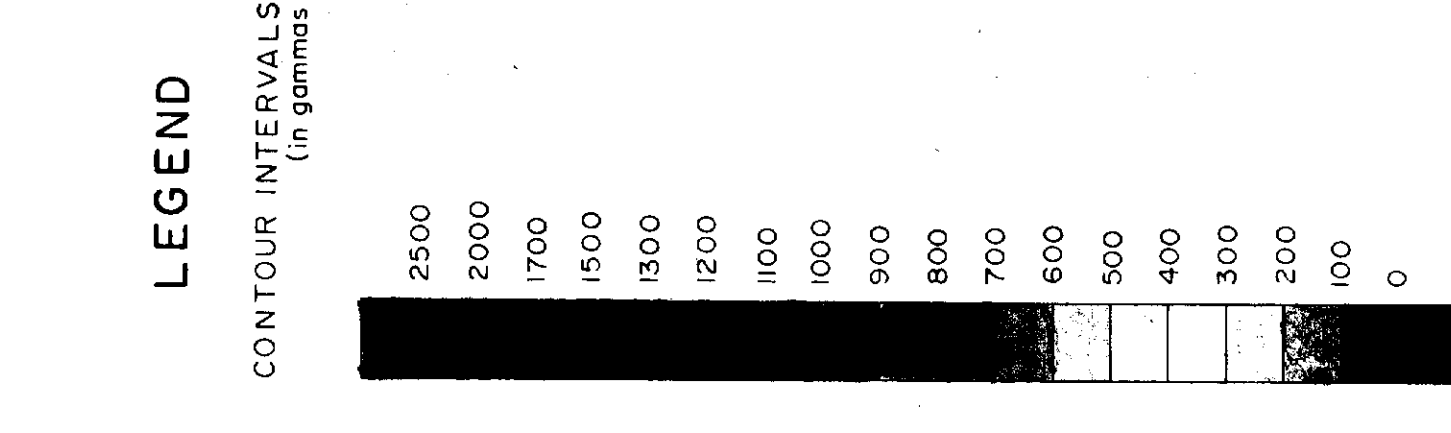
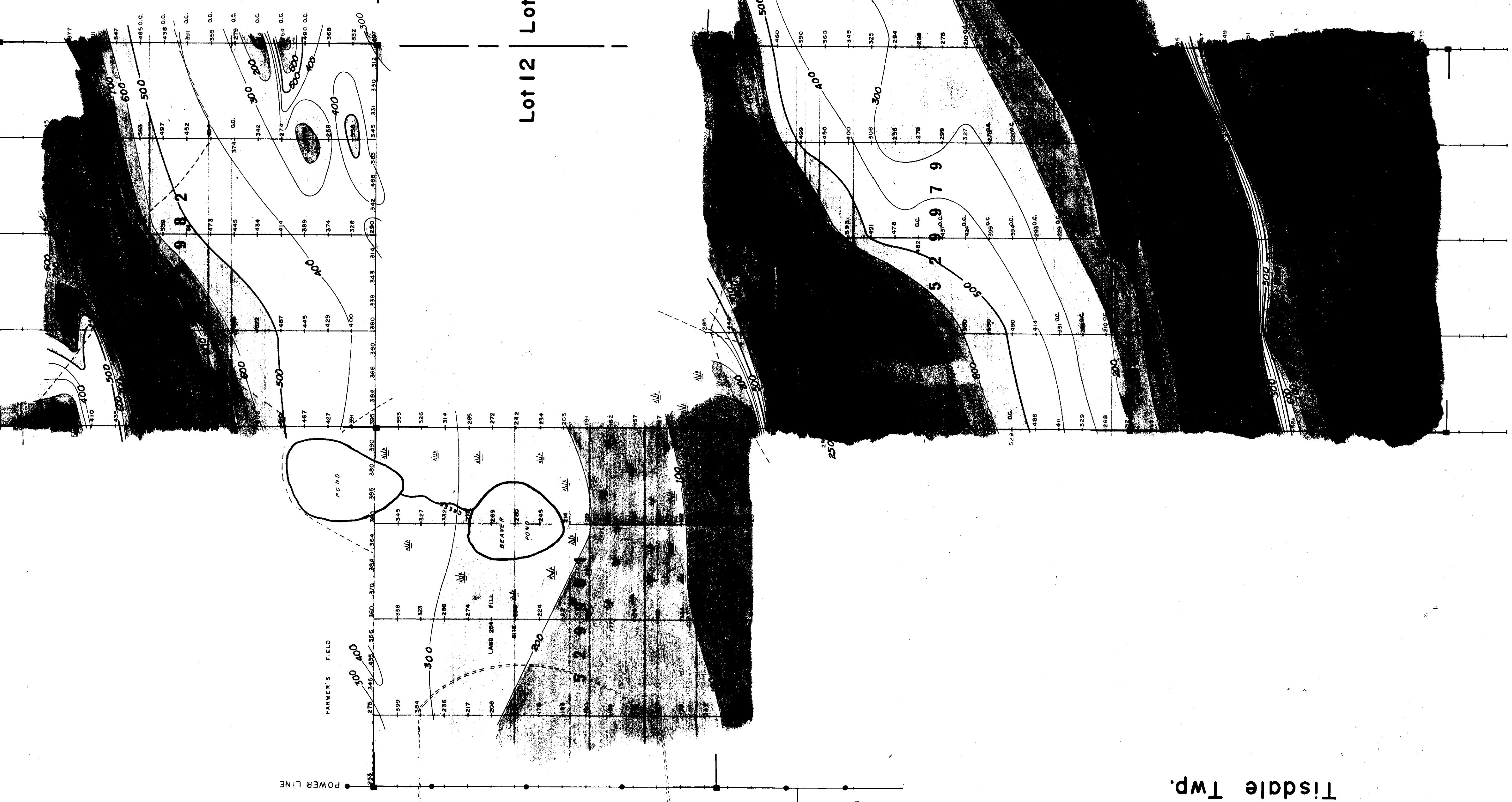
L-27+75W L-27+00W L-26+00W L-25+00W L-24+00W L-23+00W L-22+00W L-21+00W L-20+00W L-19+00W L-18+00W L-17+00W L-16+00W L-15+00W L-14+00W L-13+00W L-12+00W L-11+00W L-10+00W L-9+00W L-8+00W

12+00 S 13+00 S 14+00 S 15+00 S 16+00 S 17+00 S 18+00 S 19+00 S 20+00 S 21+00 S 22+00 S 23+00 S 24+00 S 25+00 S 26+00 S 27+00 S 28+00 S

McLEAN ROAD POWER LINE MOUNTJOY TWP TISDALE TWP

CON. V  
CON. IV

Lot II Lot 10  
Lot II Lot 12



HOLLINGER ARGUS LTD.  
8  
ESSO MINERALS CANADA  
MAGNETIC SURVEY  
TISDALE No. 6  
TISDALE TWP. ONT.  
Scale 1:2500  
Drawn by: M. Wong, S. W. S. Cooper  
Checked by: M. Wong

