



42A06SE1001 2.6407 DELORO

010

COMSTATE RESOURCES LTD.

MAGNETIC SURVEY

SOUTHEAST DELORO TOWNSHIP

(CLAIMS - P628544, 628545,  
628546, 628547, 651200,  
651201, 683368, 683369,  
683370, 683371.)

February, 1984

D.R. Pyke, Ph.D.



42A06SE1001 2.6407 DELORO

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COMSTATE RESOURCES LTD.  
MAGNETIC SURVEY  
SOUTHEAST DELORO TOWNSHIP

Introduction

This report covers a geophysical (magnetic) survey carried out during September 8 - September 17, 1983, over a group of ten contiguous mining claims in the south-east part of Deloro Township. The property is located about 7 miles southeast of the Timmins City Centre.

The property is currently held in the name of D.R. Pyke and consists of the following claims: P628544, P628545, P628546, P628547, P651200, P651201, P683368, P683369, P683370, P683371.

Access

Access to the property is reasonably good. A bush road extends south from the Buffalo Ankerite mine near the north boundary of the township to the eastern margin of the claim group. In the summer the final two miles of the road is best navigated with a four wheel drive vehicle.

Previous Work

Deloro Township was first mapped by Burrows (1911, 1912, 1924) and later by Hurst (1939) and Carlson (1967).

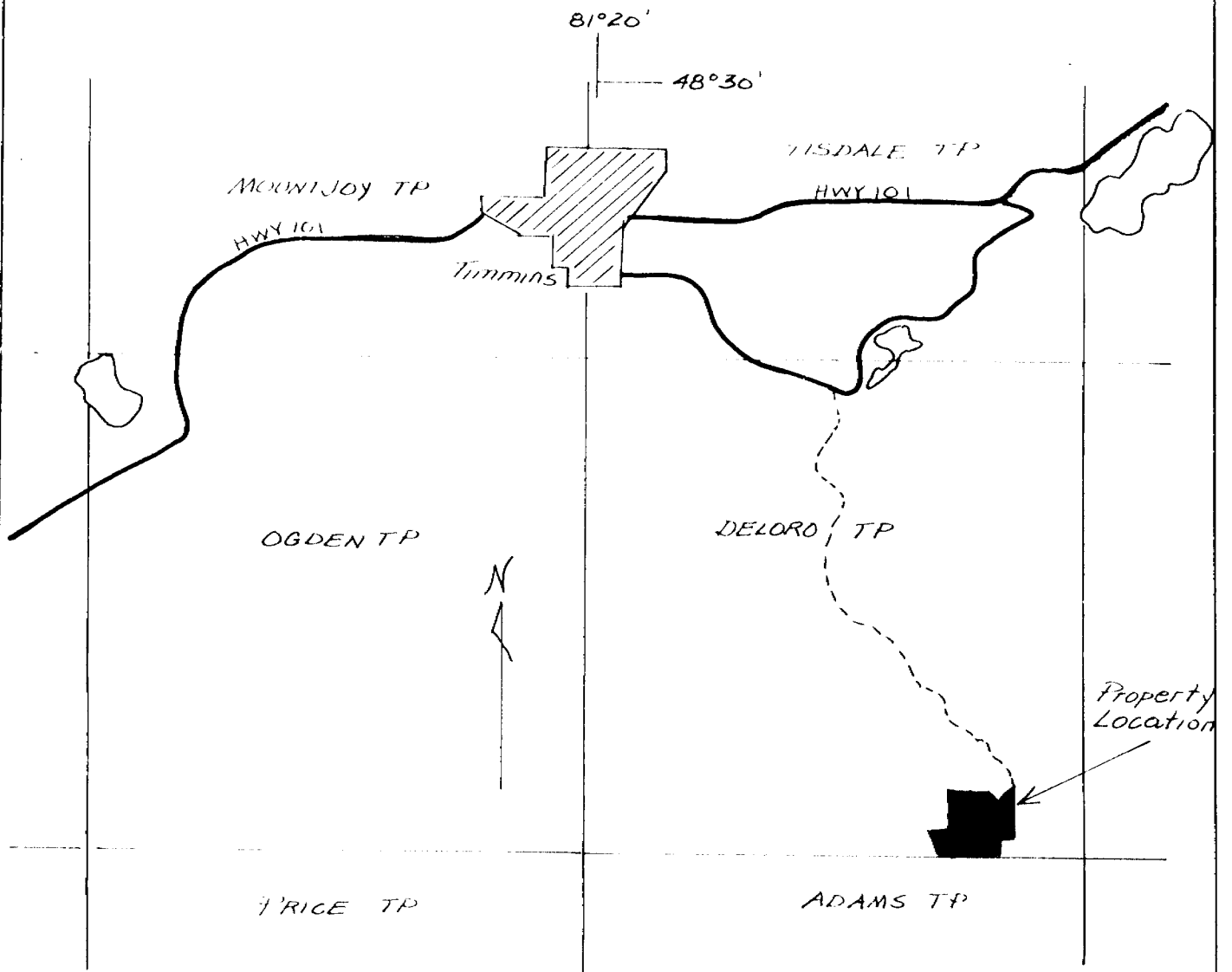
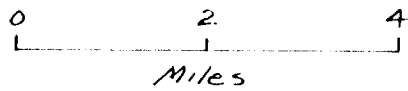


Figure 1 - Property Location

The Deloro-Wright Syndicate, and subsequently Delwin Mines Limited, a Company formed in 1937, formerly held 15 claims near the southeast corner of Deloro Township (T-1487)\*. In 1936 a shaft was sunk on the property (near the SW corner of Claim P651201) to a depth of 135 feet (Ferguson et al, 1971). A level was cut at 125 feet and a cross-cut driven 55 feet south. Seven drill holes were put down on the shaft zone and two test pits to a depth of 12 feet were excavated in the vicinity of the shaft. Considerable rock trenching was reportedly done on two other gold bearing zones on the property. The best quoted assays from the property are 0.16 ounces of gold per ton (no widths indicated) and 0.09 ounces of gold per ton over four feet.

In 1980, Amax Minerals Exploration Ltd. conducted an airborne magnetic survey of Deloro Township and many of the surrounding townships (File 2-3367)\*\*.

During the period September 1981 to February 1982, Comstate Resources Ltd. drilled approximately 45 overburden percussion drill holes on the property to obtain samples of the bedrock-glacial sediment interface. The samples were analyzed for gold and arsenic; non returned anomalous values.

In 1981, Comstate Resources Ltd. conducted a geochemical (humus) survey in the vicinity of the former Delwin Shaft area. Two anomalous east-west trending zones of gold arsenic values were outlined.\*

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\* Ontario Geological Survey, Assessment Office, Timmins

\*\*Ontario Geological Survey, Assessment Office, Toronto

In 1983, Comstate Resources Ltd. flew a combined airborne magnetic and INPUT survey of the southern portion of Deloro Township.\*

#### General Geology

The claims are near the southwest margin of the Shaw Dome (Pyke, 1982), and appear to be underlain largely by volcanic rocks of the Deloro Group, striking in a west to WNW direction. Outcrop is limited and appears to consist largely of variably chloritized and carbonatized andesitic and basaltic flows. Minor dikes of quartz porphyry and quartz veins intrude the volcanic rocks. Carlson (1967) indicates a narrow lense of gabbro near the south boundary of the claim group.

#### Present Survey

The present survey was conducted during the period September 8 to September 17, 1983. Field personnel were N. Cozens, G. Dickson, D. McVittie and B. Alexander.

North trending picket lines were cut at 200 foot intervals in all but the extreme southwest corner, where spacing of the lines was extended to 400 feet. Two east-west tie-lines were established; one at approximately 26N, the other at approximately 8N. A total of 17.7 miles of line were cut.

Magnetic readings were taken with a Geometrics portable proton magnetometer, model G-816. The instrument measures the total field directly in gammas (see attached specifications). Readings

were taken every 50 feet along the picket lines. Background magnetics are in the order of 59800 gammas. A total of 1477 readings were taken for the survey.

For the purpose of diurnal correction a base station was established at 16W, 2N, approximately 1.5 miles west of the claim group. Readings at the base station were taken at 30 second intervals, corresponding to times at which readings were taken on the grid. The base station value was 59966.

#### Results and Recommendations

Magnetic relief on the property is approximately 1400 gammas, however the magnetic variation over most of the claim group is within 300-400 gammas.

The magnetic data suggests a east-west strike in the north part of the claim group and a northwest strike across the central part of the property. From limited outcrop, this probably largely reflects the trend of basaltic and andesitic flows. An irregular bounded magnetic high extends into the southwest portion of the claims and probably reflects the eastern margin of an ultramafic intrusion. This would be supported by the airborne data (ODM-GSC, 1970; Assessment file data).

An isolated magnetic high at L82E, 30N may represent a small plug of gabbro.

A possible northerly trending fault zone is interpreted to extend across the western part of the claim group. This is interpreted from the suggested break in the magnetic data in claim P683371, in conjunction with available airborne magnetic data.

It is recommended that detailed mapping of the property be undertaken in conjunction with sampling of the bedrock in areas of previous reported gold mineralization. Further work to be contingent on the geological investigations.

*J. Ryke*



## References

Burrows, A.G.

- 1911: The Porcupine gold area; Ont. Bureau of Mines, Vol. 20, pt. 2.
- 1912: The Porcupine gold area; Second Report; Ont. Bureau of Mines, Vol. 21, pt. 1, p.205-249. Accompanied by Map 21a. Scale 1 inch to 1 mile.
- 1924: The Porcupine gold area, Fourth Report, Ont. Dept. Mines, Vol. 33, pt. 2, 112 p. Accompanied by Map 33a. Scale 1 inch to 2000 feet.

Carlson, H.D.

- 1967: Geology of Ogden, Deloro and Shaw Townships; Ont. Dept. of Mines, Open File Report 5012, 117 p. Accompanied by Maps P. 341, P. 342, P. 343, Scale 1 inch to  $\frac{1}{4}$  mile.

Ferguson, S.A., Groen, H.A. and Haynes, R.

- 1971: Gold deposits of Ontario; Ont. Dept. of Mines and Northern Affairs, Mineral Resources Circular No. 13, pt. 1, 315 p.

Hurst, M.E.

- 1939: Porcupine area, District of Cochrane; Ont. Dept. of Mines, Map 47a, Scale 1 inch to 2000 feet.

O.D.M. - G.S.C.

- 1970: Timmins Sheet, Cochrane and Timiskaming Districts, Ontario; Ont. Dept. of Mines - Can. Geol. Survey, Aeromagnetic Series Map 293G (Rev.), Scale 1 inch to 1 mile.

Pyke, D.R.

- 1982: Geology of the Timmins area, District of Cochrane; Ont. Geol. Survey, Report 219, 141 p. Accompanied by Map 2455, Scale 1:50,000.

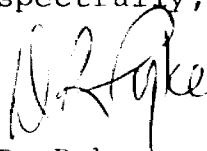
Certificate

I, D.R. Pyke, submit this document to certify that the following statements are, to the best of my knowledge, true and correct.

1. That I supervised the geophysical survey conducted on the Deloro property in September, 1983.
2. That I am the author of the corresponding assessment report entitled "Comstate Resources Ltd., Magnetic Survey, Southeast Deloro Township.
3. That I have received the following university degrees in geology:

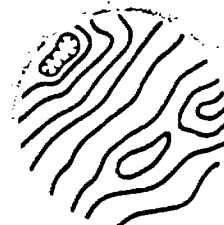
B.A.	University of Saskatchewan	1959
M.A.	University of Saskatchewan	1961
Ph.D.	McGill University, Quebec	1967
4. That I have been working as a geologist in the general Timmins-Kirkland Lake area for 15 years, and I am familiar with the geology of the area under consideration.

Respectfully,



D.R. Pyke

# geoMetrics



Instrument Division

## PORTABLE PROTON MAGNETOMETER MODEL G-816 *1826*

Data Sheet  
August 1974



- ★ 1 gamma sensitivity and repeatability
- ★ Very small size and weight: less than 12 lbs complete with batteries and sensor
- ★ Over 10,000 readings per set of alkaline "D" cell (flashlight) batteries
- ★ Provision to attach sensor to carrying harness for use without staff
- ★ Pushbutton operation—numeric display directly in gammas
- ★ Total field measurements— independent of orientation—no calibration—no leveling

The Model G-816 is a complete portable magnetometer for all man-carry field applications. As an accurate yet simple to operate instrument, it features an outstanding combination of one gamma sensitivity and repeatability, compact size and weight, operation on standard universally available flashlight batteries, ruggedized packaging and very low price.

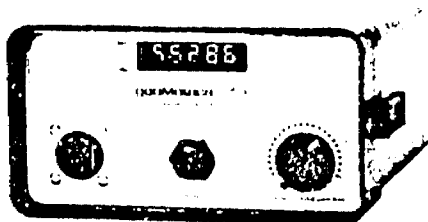
The G-816 magnetometer allows precise mapping of very small or large amplitude anomalies for ground geophysical surveys, or for detail follow-up to aeromagnetic reconnaissance surveys. It is a rugged, light-weight, and versatile instrument, equally well suited for field studies in geophysics, research programs or other magnetic mapping application where low cost, dependable operation and accurate measurements are required.

For marine, airborne or ground recording systems consider GeoMetrics Models G-801, G-803, and G-826.



### "Hands-free" Back Pack Sensor

Based upon the principle of nuclear precession (proton) the G-816 offers absolute drift-free measurements of the total field directly in gammas. (The proton precession method is the officially recognized standard for measurement of the earth's magnetic field.) Operation is worldwide with one gamma sensitivity and repeatability maintained throughout the range. There is no temperature drift, no set-up or leveling required, and no adjustment for orientation, field polarity, or arbitrary reference levels. Operation is very simple with no prior training required. Only 6 seconds are required to obtain a measurement which is always correct to one gamma, regardless of operator experience. Only the Proton Magnetometer offers such repeatability—an important consideration even for 10 gamma survey resolution.



### Complete Field Portable System

The Model G-816 comes complete, ready for portable field operation and consists of:

1. Electronics console with internally mounted and easily replaced "D" cell battery pack.
2. Proton sensor and signal cable for attachment to carrying harness or staff.
3. Adjustable carrying harness.
4. 8 foot collapsible aluminum staff.
5. Instruction manual, complete set of spare batteries, applications manual, and rugged field suitcase.

Price and lease rates on the G-816 magnetometer are available upon request.

## SPECIFICATIONS

<b>Sensitivity:</b>	±1 gamma throughout range
<b>Range:</b>	20,000 to 90,000 gammas (worldwide)
<b>Tuning:</b>	Multi-position switch with signal amplitude indicator light on display
<b>Gradient Tolerance:</b>	Exceeds 300 <del>gammas/ft</del> <del>(increased gradient tolerance to 800 gammas/ft upon request)</del>
<b>Sampling Rate:</b>	Manual push-button, one reading each 6 seconds
<b>Output:</b>	5 digit numeric display with readout directly in gammas
<b>Power Requirements:</b>	Twelve self-contained 1.5 volt "D" cell, universally available flashlight-type batteries. Charge state or replacement signified by flashing indicator light on display.

Battery Type	Number of Readings over
Alkaline	10,000
Premium Carbon Zinc	4,000
Standard Flashlight	1,500

*NOTE: Battery life decreases with low temperature operation.*

<b>Temperature Range:</b>	Console and sensor: -40° to +85°C
	Battery Pack: 0° to +50°C (limited use to -15°C, lower temperature battery belt operation—optional)
<b>Accuracy (Total Field):</b>	±1 gamma through 0° to +50°C temperature range

**Sensor:** High signal, noise cancelling, interchangeably mounted on separate staff or attached to carrying harness

**Size:** Console: 3.5 x 7 x 10.5 inches (9 x 18 x 27 cm)  
Sensor: 4.5 x 6 inches (11 x 15 cm)  
Staff: 1 inch diameter x 8 ft length (3 cm x 2.44 m)

Weight:	Lbs.	Kgs.
Console (w/batteries):	5.5	2.4
Sensor & signal cable:	4	1.8
Aluminum staff:	2	0.9
<b>Total:</b>	<b>11.5</b>	<b>5.1</b>

*All magnetometers and parts are covered by a one year warranty beginning with the date of receipt but not to exceed fifteen months from the shipping date.*

**geoMetrics**

706 JAVA DRIVE  
SUNNYVALE, CA 94086 U.S.A.  
(408) 734-4818  
CABLE "GEOMETRICS" SUNNYVALE  
TELEX NO 387-435

**GEOMETRICS  
INTERNATIONAL CORP**  
80 ALFRED ST. MILSON'S POINT  
SYDNEY NSW 2061 PHONE 929-0842

**Exploranium**

436 LIVESTONE CRESCENT,  
DOWNSVIEW (TORONTO),  
ONTARIO CANADA  
TELEPHONE (416) 661-1966  
TELEX NO 06-22694

**WORLD-WIDE  
AGENTS:**

EUROPE • SCANDINAVIA • AUSTRALIA • UNITED KINGDOM • JAPAN • SO. AFRICA • SO. AMERICA

# 40'



The Ministry of Natural Resources - Do not use shaded areas below.

Type of Survey(s) **Geophysical** Township or Area **DELORO**

Claim Holder(s) **D. R. PYKE** Prospector's Licence No. **K19126**

Address **31 DELAIR CRES, Thornhill ONT L3T2M3**

Survey Company **COMSTATE RESOURCES LTD** Date of Survey (from & to) **8 09 83 17 09 83** Total Miles of line Cut **3.2**

Name and Address of Author (of Geo-Technical report)  
**D. R. PYKE 31 DELAIR CRES THORNHILL ONT L3T2M3**

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	20
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
P	628544				
	628545				
	628546				
	628547				

RECEIVED  
FEB 14 1984  
MINING LANDS S.

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys	

RECEIVED  
DEC 28 1983  
20

Expenditures (excludes power stripping)	P.M.
Type of Work Performed	7 8 9 10 11 12 1 2 3 4 5 6

Performed on Claim(s)
-----------------------

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

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

Date **Dec 23/83** Recorded Holder or Agent (Signature) **D.R. Pyke**

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Reporter
80	Dec 28/83	<i>[Signature]</i>
	Date Approved as Recorded	Chief Director
	84.6.17	<i>[Signature]</i>

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  
**D. R. PYKE 31 DELAIR CRES THORNHILL ONT L3T2M3**

Date Certified **Dec 23/83** Certified by (Signature) **D.R. Pyke**

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



Ministry of  
Natural  
Resources

Report of Work

(Geophysical, Geological,  
Geochemical and Expenditure)

The Mining Act

# 87184

26407

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.

Type of Survey(s) <b>GEOPHYSICAL</b>		Township or Area <b>DELAIR</b>	
Claim Holder(s) <b>D. R. PYKE</b>		Prospector's Licence No. <b>K19126</b>	
Address <b>31 DELAIR CRES THORNHILL, ONTARIO L3T 2M3</b>			
Survey Company <b>COMSTATE RESOURCES LTD</b>	Date of Survey (from & to) Day Mo. Yr. Day Mo. Yr. <b>8 09 83 17 09 83</b>		Total Miles of Line Cut <b>13.7</b>
Name and Address of Author (of Geo-Technical report) <b>D. R. PYKE, 31 DELAIR CRES, THORNHILL ONT L3T 2M3</b>			

Credits Requested per Each Claim in Columns at right

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
P	651200				
	651201				
	683368				
	683369				
	683370				
	683371				

RECEIVED  
FEB 20 1984  
RECEIVED  
APR 11 1984  
M. J. ...

Expenditures (excludes power stripping)

Type of Work Performed  
**CGT**

Performed on Claim(s)  
**651200, 651201, 683368, 683369, 683370, 683371**

Calculation of Expenditure Days Credits

Total Expenditures **\$** ÷ **15** =  Total Days Credits

Total number of mining claims covered by this report of work. **6**

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 <b>120</b>	Date Recorded <b>FEB 20/84</b>	Mining Recorder <i>[Signature]</i>
	Date Approved as Recorded <b>84.6.17</b>	Branching Recorder <i>[Signature]</i>

Date **FEB 13/84** Recorder (Holder or Agent) (Signature) *D.R. Pyke*

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  
**D. R. PYKE, 31 DELAIR CRES, THORNHILL ONTARIO L3T 2M3**

Date Certified **FEB 13/84** Certified by (Signature) *D.R. Pyke*



GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL  
TECHNICAL DATA STATEMENT

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

Type of Survey(s) Geophysical (Magnetometer)

Township or Area DILLON

Claim Holder(s) D. R. PYKE

Survey Company CONSTANT RESOURCES LTD

Author of Report D. R. PYKE

Address of Author 31 DETAIR CREW THORNHILL ONT

Covering Dates of Surveys Sept 8/83 - Feb 15/84  
(linecutting to office)

Total Miles of Line Cut 11.7

MINING CLAIMS TRAVERSED  
List numerically

- P 628544  
(prefix) (number)
- P 628545
- P 628546
- P 628547
- P 651200
- P 651201
- P 683368
- P 683369
- P 683370
- P 683371

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 \_\_\_\_\_
  - Radiometric \_\_\_\_\_
  - Other \_\_\_\_\_
- Geological \_\_\_\_\_
- Geochemical \_\_\_\_\_

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

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

DATE: Feb 15/84 SIGNATURE: D. R. Pyke  
Author of Report or Agent

Res. Geol. \_\_\_\_\_ Qualifications \_\_\_\_\_

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 10

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 1477 Number of Readings 1477
Station interval 50 FT Line spacing 200 FT
Profile scale
Contour interval 100 GAMMA

MAGNETIC

Instrument COINTEGRIC, MODEL C-816
Accuracy - Scale constant 1 GAMMA
Diurnal correction method BASE STATION ESTABLISHED NEAR PROPERTY
Base Station check-in interval (hours) BASE STN READ EVERY 30 SECONDS
Base Station location and value 110 W, 2N ; 59966 GAMMAS

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 VTE 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 \_\_\_\_\_

GEOCHEMICAL SURVEY - PROCEDURE RECORD



Numbers of claims from which samples taken \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Total Number of Samples \_\_\_\_\_

Type of Sample \_\_\_\_\_  
(Nature of Material)

Average Sample Weight \_\_\_\_\_

Method of Collection \_\_\_\_\_  
\_\_\_\_\_

Soil Horizon Sampled \_\_\_\_\_

Horizon Development \_\_\_\_\_

Sample Depth \_\_\_\_\_

Terrain \_\_\_\_\_  
\_\_\_\_\_

Drainage Development \_\_\_\_\_

Estimated Range of Overburden Thickness \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SAMPLE PREPARATION  
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

General \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ANALYTICAL METHODS

Values expressed in: per cent   
p. p. m.   
p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, (circle)

Others \_\_\_\_\_

Field Analysis (\_\_\_\_\_ tests)

Extraction Method \_\_\_\_\_

Analytical Method \_\_\_\_\_

Reagents Used \_\_\_\_\_

Field Laboratory Analysis

No. (\_\_\_\_\_ tests)

Extraction Method \_\_\_\_\_

Analytical Method \_\_\_\_\_

Reagents Used \_\_\_\_\_

Commercial Laboratory (\_\_\_\_\_ tests)

Name of Laboratory \_\_\_\_\_

Extraction Method \_\_\_\_\_

Analytical Method \_\_\_\_\_

Reagents Used \_\_\_\_\_

General \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Your File: #404  
Our File: 2.6407

February 28, 1984

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

Dear Sir:

We have received reports and maps for a Geophysical  
(Magnetometer) survey submitted under Special Provisions  
(credit for Performance and Coverage) on mining claims  
P 628544 et al in the Township of Deloro.

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

We do not have a copy of the report of work which is  
normally filed with you prior to the submission of this  
technical data. Please forward a copy as soon as possible.

Yours very truly,

J.R. Morton  
Acting Director  
Land Management Branch

Whitney Block, Room 6643  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/965-1380

A. Barr:dg

cc: Dr. D.R. Pyke  
31 Delair Cres.  
Thornhill, Ontario  
L3T 2M3

<b>RECEIVED</b>	
Land Management Branch	
CIRCULATE	<input type="checkbox"/>
COMMENTS PLEASE	<input type="checkbox"/>
BY	
FEB 21 1984	
E. F. ANDERSON	
J. R. MORTON	
J. C. SMITH	
W. L. GOOD	
RETURN TO R. 6643	

31 DELAIR CRES.  
THORNHILL, ONT.  
L3T 2M3.

FEBRUARY 17/84

LANDS MANAGEMENT BRANCH  
MINISTRY NATURAL RESOURCES  
ROOM 6610  
Whitney Block  
Queen's PARK  
TORONTO M7A 1N3

**RECEIVED**  
FEB 21 1984  
MINING LABEL

RE: Assessment Report SE DELORO TOWNSHIP;  
CLAIMS - F628544, 628545, 628546, 628547,  
651200, 651201, 683368, 683369, 683370,  
683371

Enclosed is a geophysical report and  
map in duplicate, for the above claims.

Sincerely  
D R Lyke.

Mining Lands Section

File No 2.6407

Control Sheet

TYPE OF SURVEY

GEOPHYSICAL  
 GEOLOGICAL  
 GEOCHEMICAL  
 EXPENDITURE

MINING LANDS COMMENTS:

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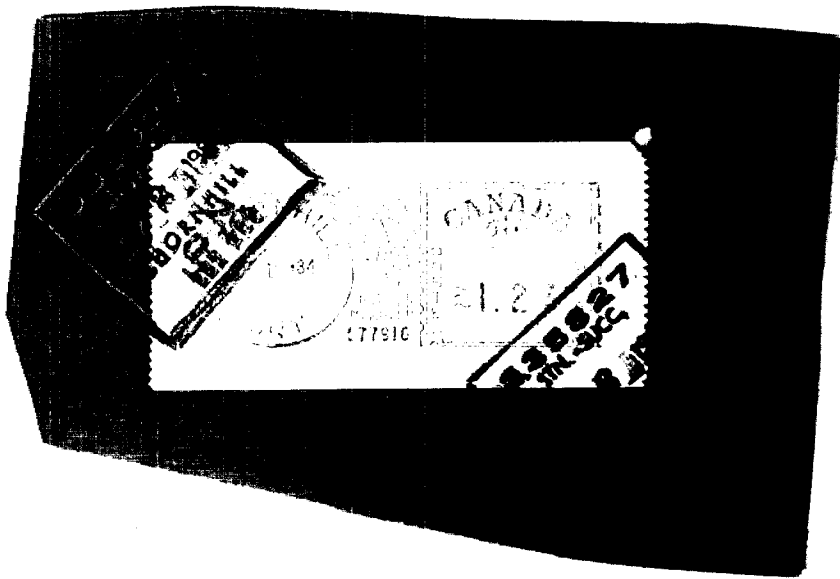
---

L.D.

Demiskinis  
Signature of Assessor

June 15/84  
Date

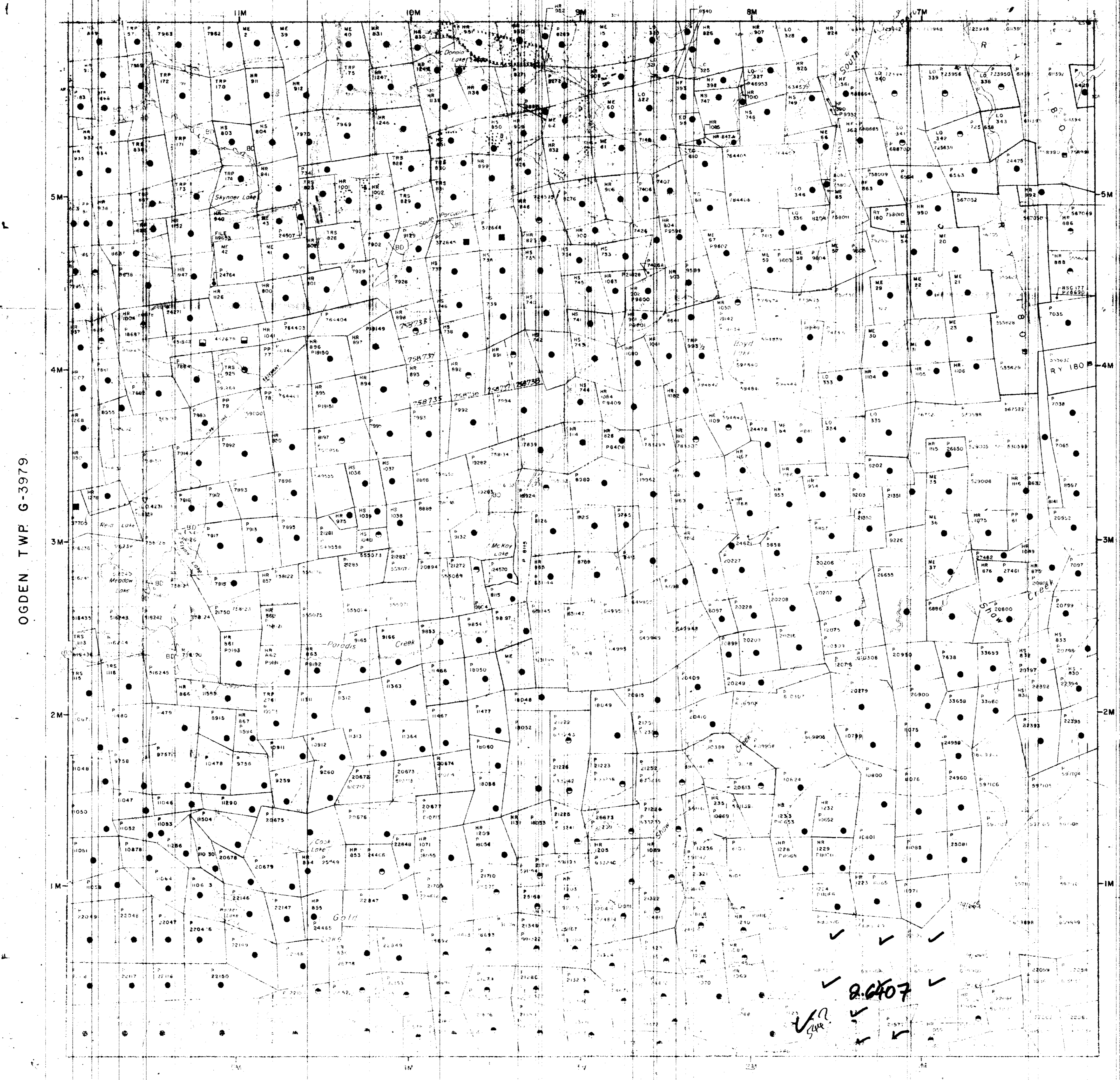
	<u>Qty.</u>		<u>Mat.</u>	
P-622544	>1/4	651200	✓	<u>2.6407</u>
45	✓	651201	✓	
46	1/4	683468	✓	
622544	✓	69	✓	
		70	✓	
		683468	✓	
				D.K.



MAP SYMBOLOLOGY

<b>Aerial Cableway</b>	<b>Pipeline</b> (see symbol)
<b>Boundary</b>	<b>Railroad</b>
International	Single Track
Interprovincial	Double Track
Classified, Unclassified	Abandoned
Industrial, Business	Artificial
Appurtenant	<b>Road</b>
Lot, Concession	Highway, County
Appurtenant	Township
<b>Bridge</b>	Access (road or right-of-way)
Arch	Abandoned
Beam	Trail, Bush Road
Building	Temporary
Chimney	<b>Rapids</b>
Cliff, Pit, Pile	Double line river with multiple rapids
Contours	Double line river with multiple rapids
Contour	Double line river with multiple rapids
Contour	Double line river with multiple rapids
Control Points	<b>Reservoir</b>
Horizontal	River, Stream, Canal
Vertical	Appurtenant
Culvert	Access
Falls	Section of line
Double line river	<b>Spot Elevation</b>
Fence, Hedge, Wall	(see elevation)
Feature Outline	Tower
Field Land	Transmissio Line
Loam	Power
Marsh or Swamp	Tunnel
Mud	<b>Unity Pole</b>
Mine Head Frame	Wharf, Dock, Pier
Outcrop	Wooded Area

TISDALE TWP. G-3976



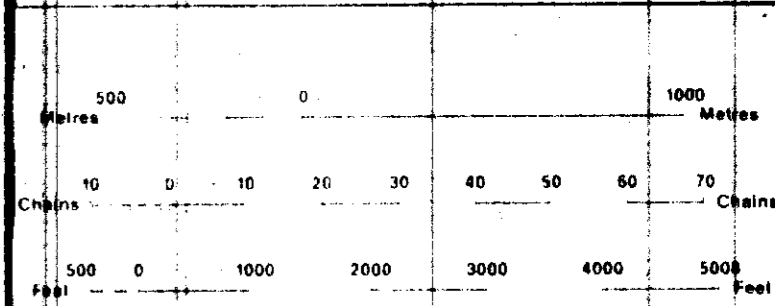
LEGEND

HIGHWAY AND ROUTE No.	
OTHER ROADS	
TRAILS	
SURVEYED LINES	
TOWNSHIP, BASE LINES, ETC.	
LOTS, MINING CLAIMS, PARCELS, ETC.	
UNSURVEYED LINES	
LOT LINES	
PARCEL BOUNDARY	
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 MUSKELG	
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	
EVIDENCE OF OCCUPATION	
ORDER IN COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1912 VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT R.S.O. 1910 CHAP 280 SEC 43. BY SEC 1



SCALE 1:20 000

NOTES

REGISTERED PLAN OF SUBDIVISION

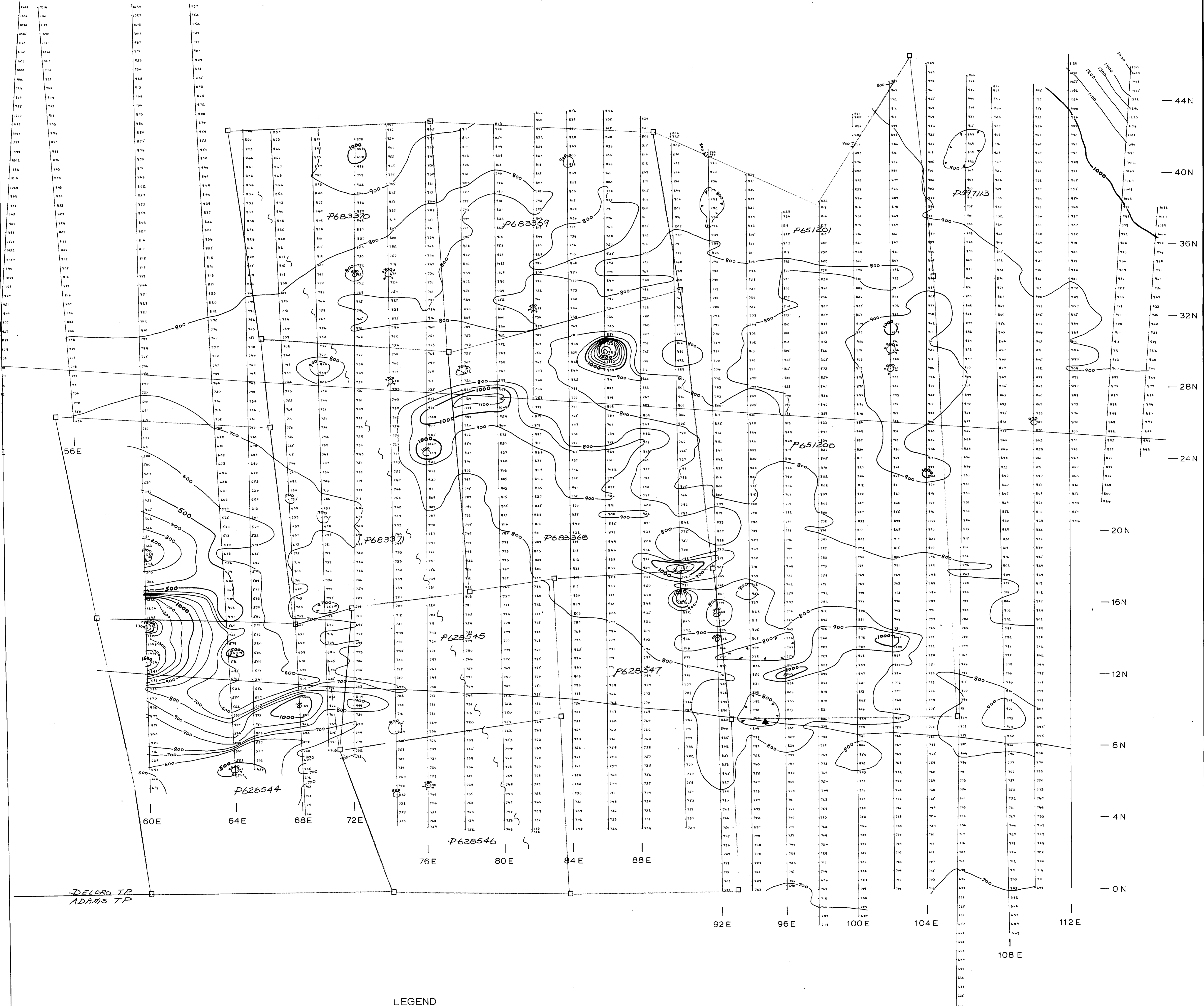
TOWNSHIP  
**DELORO**

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

DATE OF ISSUE  
**JUN 7 1984**  
Ministry of Natural Resources  
TORONTO

G-3993





LEGEND

(50/221) TOTAL MAGNETIC FIELD IN GAMMAS  
 MAGNETIC CONTOUR:  
 --- 100 GAMMAS  
 --- 500 GAMMAS

□ CLAIM POST  
 CLAIM LINE  
 MAGNETIC DIURNAL WAS CORRECTED BY MEANS  
 OF A BASE STATION LOCATED AT 16W, 2N  
 READINGS WERE ADJUSTED TO TIE-IN WITH  
 GOV'T. BASE STATION M-71-56, KENLWORTH MINE.

▲ SURVEY PIN

~ possible fault.

SURVEY CONDUCTED FOR:	
COMSTATE RESOURCES LTD.	
SURVEY TYPE:	
PROTON MAGNETOMETER	
LOCATION:	AREA REFERENCE:
DELOORO TWP, ONTARIO	42A/6
PROPERTY: P628544, 545, 546, 547, P651200, 201, P683368, 369, 370, 371.	DATE:
	SEPT, 1983
PROJECT NO:	MAP SHEET:
6-114	3 of 3
SCALE	
0 100 200 400 feet	
SURVEY CONDUCTED BY:	
WOLLEX EXPLORATION	