



42A10SW0206 2.5429 BOND

010

GEOPHYSICAL REPORT

MACKLEM & BOND TOWNSHIPS PROPERTY  
GOLDEIDT EXPLORATIONS INC.

November 17, 1982

**RECEIVED**

**MAR 11 1983**

**MINING LANDS SECTION**

INTRODUCTION

During the months of July and October 1982, electromagnetic (VLG-EM) and magnetometer surveys were conducted over two claim blocks held by Goldeidt<sup>2</sup> Explorations Inc. Linecutting was performed during July 1982 on the claims by Mid-Canada Explorations Ltd., a Timmins contracting firm. The geophysical surveys were carried out by Goldeidt personnel.

Survey results and claim block locations are shown on maps accompanying this report.

LOCATION & ACCESS

The properties comprise blocks of 30 and contiguous claims, some 22 miles east of Timmins, Ontario in the eastern part of MacKlem Tp. and western part of Bond Township and the central part of MacKlem Tp. Access is easily provided by Highway 101 and the Gibson Lake Road which crosses through the main claim block.

OWNERSHIP

The claim blocks are owned by:

Goldeidt Explorations Inc.  
c/o R. Sibthorpe  
P. O. Box 25  
Toronto-Dominion Centre  
TORONTO, Ontario M5K 1B5

Contracting services employed were:

Mid-Canada Exploration Services Ltd.  
8-251 Third Avenue  
TIMMINS, Ontario

This report has been prepared on behalf of Goldeidt Explorations Inc. by Mr. Robert Sibthorpe. The writer graduated in 1973 with a B.Sc. (4-year, Hons.) in geological sciences from the University of Toronto and has been engaged in the mining industry since that date. The writer also spent one full year in the Timmins area performing and interpreting geophysical sciences from the University of Toronto and has been engaged in the mining industry since that date. The writer also spent one full year in the Timmins area performing and interpreting geophysical surveys for a major Canadian mining company and personally supervised the work outlined in this report.

#### CLAIM NUMBERS

P486658 - P486677	P530615 - P530618
P530623 - P530626	P530631 - P530632
P530652 - P530653	P530660 - P530661
P530668 - P530669	P530676

#### GENERAL GEOLOGY

The grid area is covered by a thick mantle of glacio-fluvial sediments and no outcrop was noted on either grid. ODM Map 2222, Nighthawk Lake Area, indicated that the claim block is underlain by Archean mafic to intermediate volcanics. Airborne magnetic surveys indicate the presence of a diabase dike traversing the northwest corner of the easternmost claim block.

#### PREVIOUS WORK

A survey of the Ontario assessment work files did not disclose any record of previous work on the area covered by the claims.

#### RESULTS & CONCLUSIONS

##### Magnetometer Survey - Eastern Block

The survey confirmed the presence of a northeasterly trending dike in the northwest corner of the claim block and detected the presence of another in the west-central portion. Elsewhere the magnetic relief show relatively minor variation other than a gradual decline in values towards the Southeast. A local magnetic anomaly was found in the south central part of the grid and is attributed to either a change in underlying rock type or a local reduction in the depth of overburden which covers the entire grid.

##### - Western Block

Very little magnetic variation was noted on these claims.

### Electromagnetic Survey

The results of the EM-16 very low frequency survey were negative over both claim blocks in that no definite conductive zones were revealed. Several weak non-persistent conductors were found but these response are likely due to overburden effects since the area is believed to be underlain by 100-200 feet of sand and clay.

### INSTRUMENT & SURVEY DATA

The surveys were carried out over a newly established grid. Lines were cut in a north-south direction every 400 feet with stations every 100 feet. A total of 26.1 miles were cut over the eastern claim block and 5.7 miles on the western block.

The magnetometer survey was carried out using two Geometrics G-816 Magnetometers capable of measuring variations in the vertical component of the earth's magnetic field to  $\pm 1$  gamma. Readings were taken every 50 feet. A daily curve of the diurnal was recorded by repeating control points at convenient intervals during the day. A total of 1,584 readings were taken on the eastern grid and 353 on the western grid.

The electromagnetic survey employed a Geonics EM-16 V.L.F. unit designed to measure in-phase and quadrature components of the anomalous field from electrically conductive zones. A total of 1,367 and 353 readings were taken on the eastern and western grids respectively.

Stations were read at 100 foot intervals reading north. The method uses the radiation from a military radio transmitter at low frequencies. The station used in this survey is located at Cutler, Main. The instrument has two receiving coils measuring the vertical in-phase component (tilt angle) and the vertical out-of-phase component (quadrature). The interpretation of the results uses the relative measurements of these two parameters to outline and define conductors.

Submitted by,

*R. Sibthorpe B.Sc.*

R. Sibthorpe, B.Sc.  
Geologist



## Geophysical

P486658	<sup>30</sup> P501616	P530652
486659	530617	530653
486660	530618	530660
486661	530623	530661
486662	530624	530668
486663	530625	530669
486664	530626	530676
486665	<del>530626</del>	
486666	530631	
486667	530632	
486668		
486669		
486670		
486671		
486672		
486673		
486674		
486675		
486676		
486677		

Expenditure Days Credit: 42.7 days per claim



GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 1855 Number of Readings 1720 EM/1937 Mag  
Station interval 100 FT. Line spacing 400 FT  
Profile scale EM 1 INCH = 20°  
Contour interval MAGNETOMETER 25 GAMMAS

MAGNETIC

Instrument GEOMETRICS 6-816 MAGNETOMETER  
Accuracy - Scale constant ± 25 GAMMAS  
Diurnal correction method Periodic Recheck of Base Station  
Base Station check-in interval (hours) 2  
Base Station location and value 0+00, Base Line, 59295 Gammas

ELECTROMAGNETIC

Instrument GEONICS EM-16 VLF UNIT  
Coil configuration VERTICAL  
Coil separation  
Accuracy  
Method:  Fixed transmitter  Shoot back  In line  Parallel line  
Frequency CUTLER MAINE  
(specify V.L.F. station)  
Parameters measured IN-PHASE AND Quadrature Components of  
anomalous field from electrically  
conductive zones

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 \_\_\_\_\_



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 \_\_\_\_\_

BAY

ASARC  
DOME MINES LTD

# CLAIM LOCATION MAP

PAMOUR  
PORCUPINE  
MINES

MINEDEL M.L.

TIMMINS CITY LI

ROUNDELAY  
LAKE

TINCAN  
LAKE

M'GOSHEN  
LAKE

NIGHT

HAWK

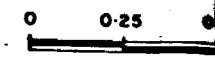
LAKE

### LEGEND

- G<sub>1</sub> Gravel
- G<sub>2</sub> M.T.C.
- G Quarry
- Goldfield
- Note all claim
- ////// Patented option fr
- Drill Ar

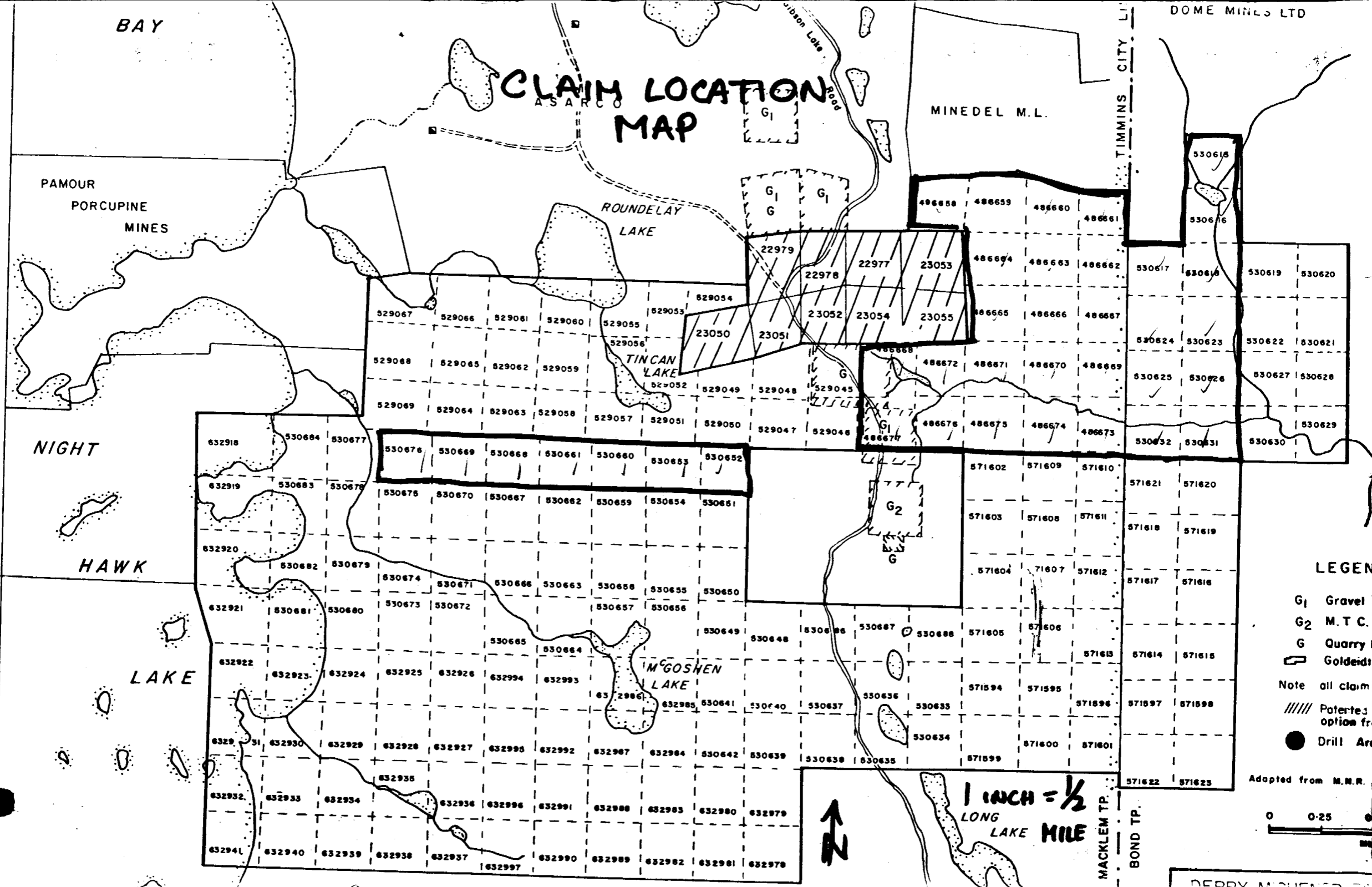
Adapted from M.N.R.

1 INCH = 1/2  
LONG LAKE MILE



MACKLEM TP.  
BOND TP.

DERRY MOUNTAINS



1983 03 21

2.5429

Mining Recorder  
Ministry of Natural Resources  
60 Wilson Avenue  
Timmins, Ontario  
P4N 2S7

*No work  
recorded  
from Mining  
Reg. 12/2/83*

Dear Sir:

We have received reports and maps for a Geophysical (Electromagnetic & Magnetometer) Survey submitted under Special Provisions (Credit for Performance and Coverage) on Mining Claims P 486658 et al in the Townships of Macklem and Bond.

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,

E.F. Anderson  
Director  
Land Management Branch

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

A. Barr:sc

cc: Goldeidt Explorations Inc  
Toronto, Ontario  
Attn: Mr. R. Sibthorpe.

Mining Lands Comments

Mr. Kuska: for expenditures, note on report of work that credits were recorded for line cutting & geophysical survey that are also recorded under Special Provisions. This should not have been recorded under expenditures.  
*CK*

To: Geophysics *Mr. Barlow.*

Comments

Approved  Wish to see again with corrections

Date *July 27/83* Signature *Douglas H. Paterson*

To: Geology - Expenditures *Mr. C. Kuska*

Comments

*Nothing for me here. CK.*

Approved  Wish to see again with corrections

Date \_\_\_\_\_ Signature \_\_\_\_\_

To: Geochemistry

Comments

*LD*

Approved  Wish to see again with corrections

Date \_\_\_\_\_ Signature \_\_\_\_\_

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

GERMAN TWP. (M.283)

THE TOWNSHIP  
OF

**MACKLEM**

DISTRICT OF  
COCHRANE

PORCUPINE  
MINING DIVISION

SCALE: 1-INCH 40 CHAINS

**DISPOSITION OF CROWN LANDS**

- PATENT, SURFACE AND MINING RIGHTS ●
- " , SURFACE RIGHTS ONLY ○
- " , MINING RIGHTS ONLY ◐
- LEASE, SURFACE AND MINING RIGHTS ■
- " , SURFACE RIGHTS ONLY ▨
- " , MINING RIGHTS ONLY ▩
- LICENCE OF OCCUPATION ▼

- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED

**NOTES**

400' surface rights reservation along the shores of all lakes and rivers.

This township lies within the Municipality of the CITY of TIMMINS.

Reserve flooding rights on Night Hawk Lake to Ont. Hydro to elevation 903.5', T.&N.O.R.y. datum.

**SAND and GRAVEL**

- ① Gravel File 105381
- ② M.T.C. Pit 1121
- ③ QUARRY PERMIT

DATE OF ISSUE

AUG 11 1983

Ministry of Natural Resources  
TORONTO

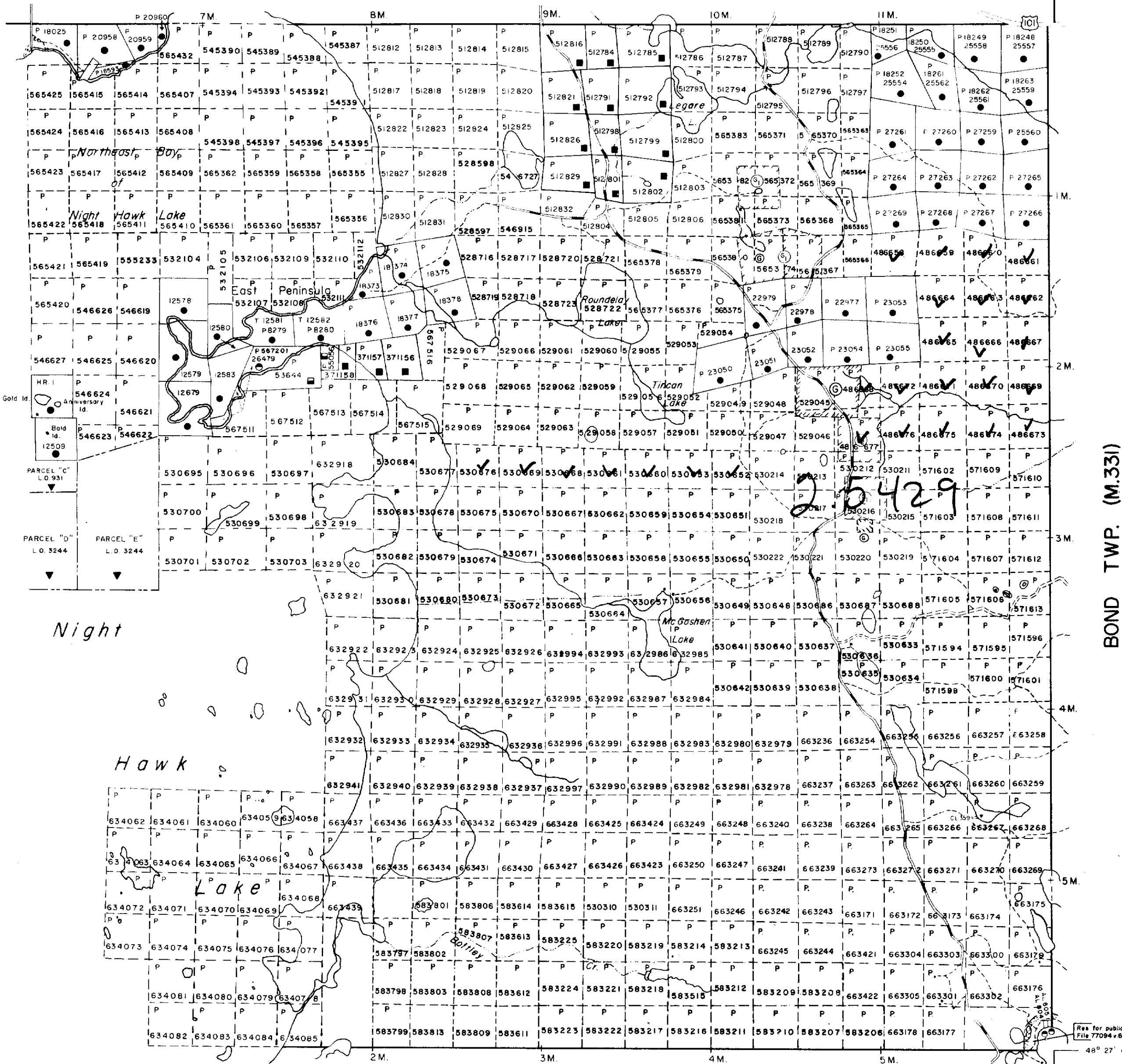
PLAN NO. **M.295**

ONTARIO  
MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH

CODY TWP. (M.270)

BOND TWP. (M.331)



THOMAS TWP. (M.312)



42A105W206 2.5429 BOND

# BOND TOWNSHIP

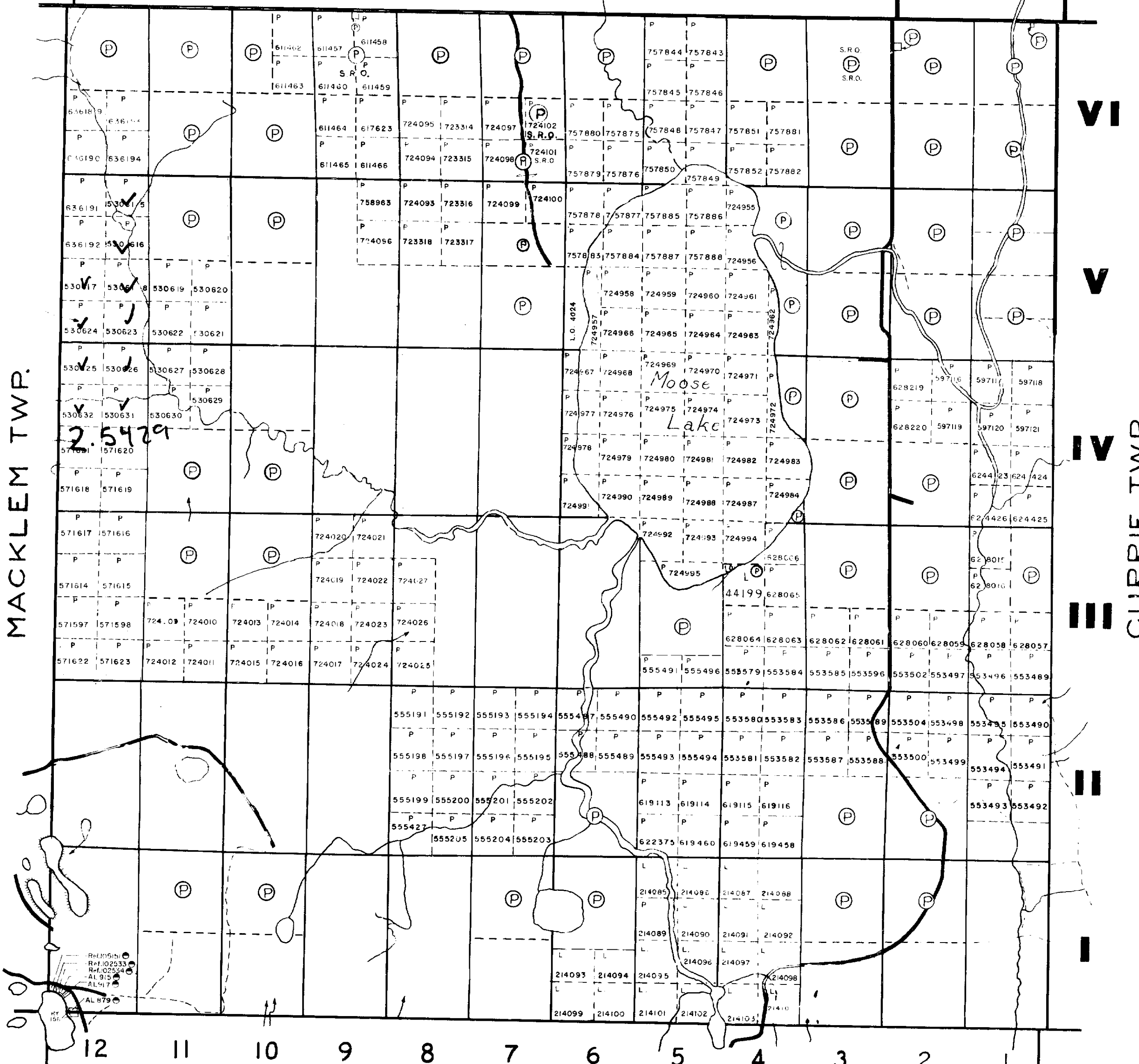
ONTARIO  
 MINISTRY OF NATURAL RESOURCES  
 SURVEYS AND MAPPING BRANCH

PORCUPINE MINING DIVISION

DISTRICT OF COCHRANE

SCALE 40 CHAINS TO ONE INCH  
 STOCK TWP.

DATE OF ISSUE  
 AUG 11 1983  
 Ministry of Natural Resources  
 TORONTO  
 M. 331



MACKLEM TWP.

CURRIE TWP.

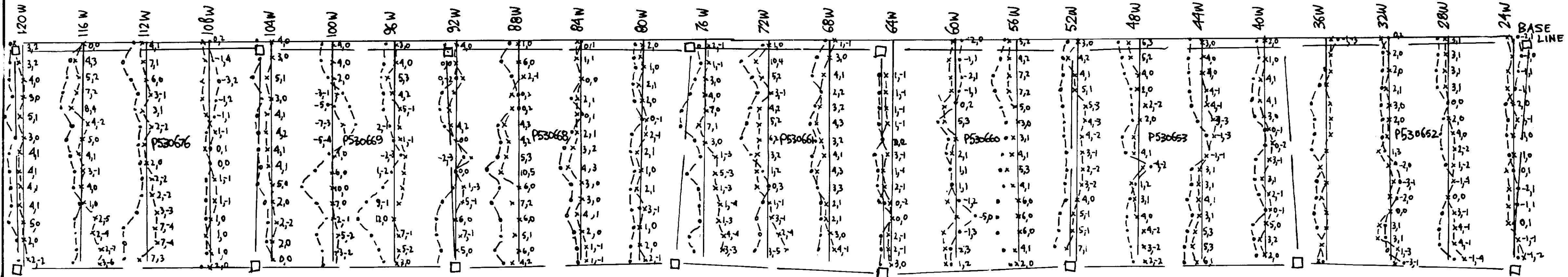
SHERATON TWP.

NOTE

LEGEND

- IMPROVED ROADS
- PATENTED LANDS (P)
- CROWN LAND SALES (S or C S)
- LOCATED LANDS (L or L oc)
- LICENSE OF OCCUPATION (L.O.)
- LEASES (L)
- rivers.





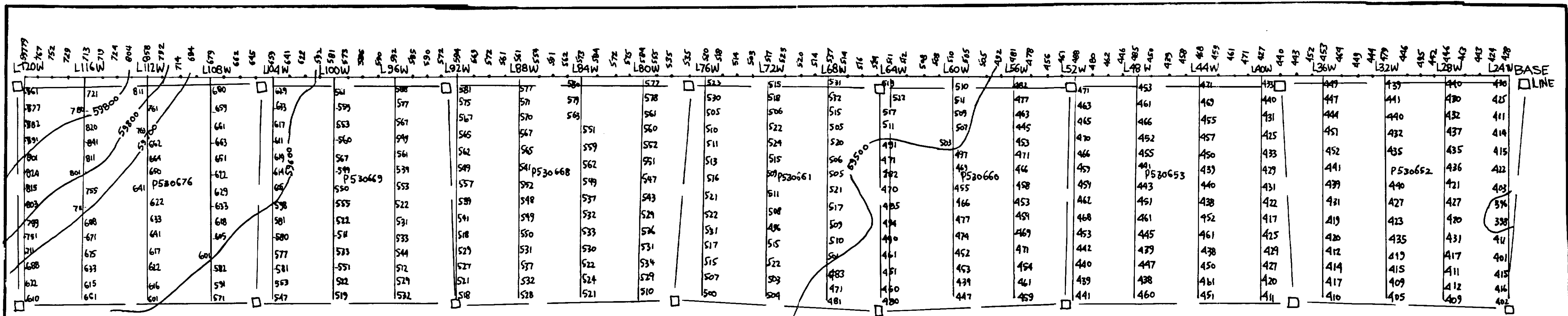
GOLDEIDT EXPLORATION INC.  
 TINCAN PROJECT - MACKLEM TP  
 ELECTROMAGNETIC SURVEY

INSTRUMENT: GEONICS E.M. - 16  
 STATION : CUTLER, MAINE  
 SURVEYED BY: R. SIBTHORPE OCT - 82  
 DRAWN BY : R. SIBTHORPE DEC - 82  
 VERT. SCALE : 1 INCH = 20'  
 HORIZ. SCALE : 1 INCH = 400 FEET

IN-PHASE x-x-x  
 QUADRATURE o-o-o

R. Sibthorpe B.Sc.

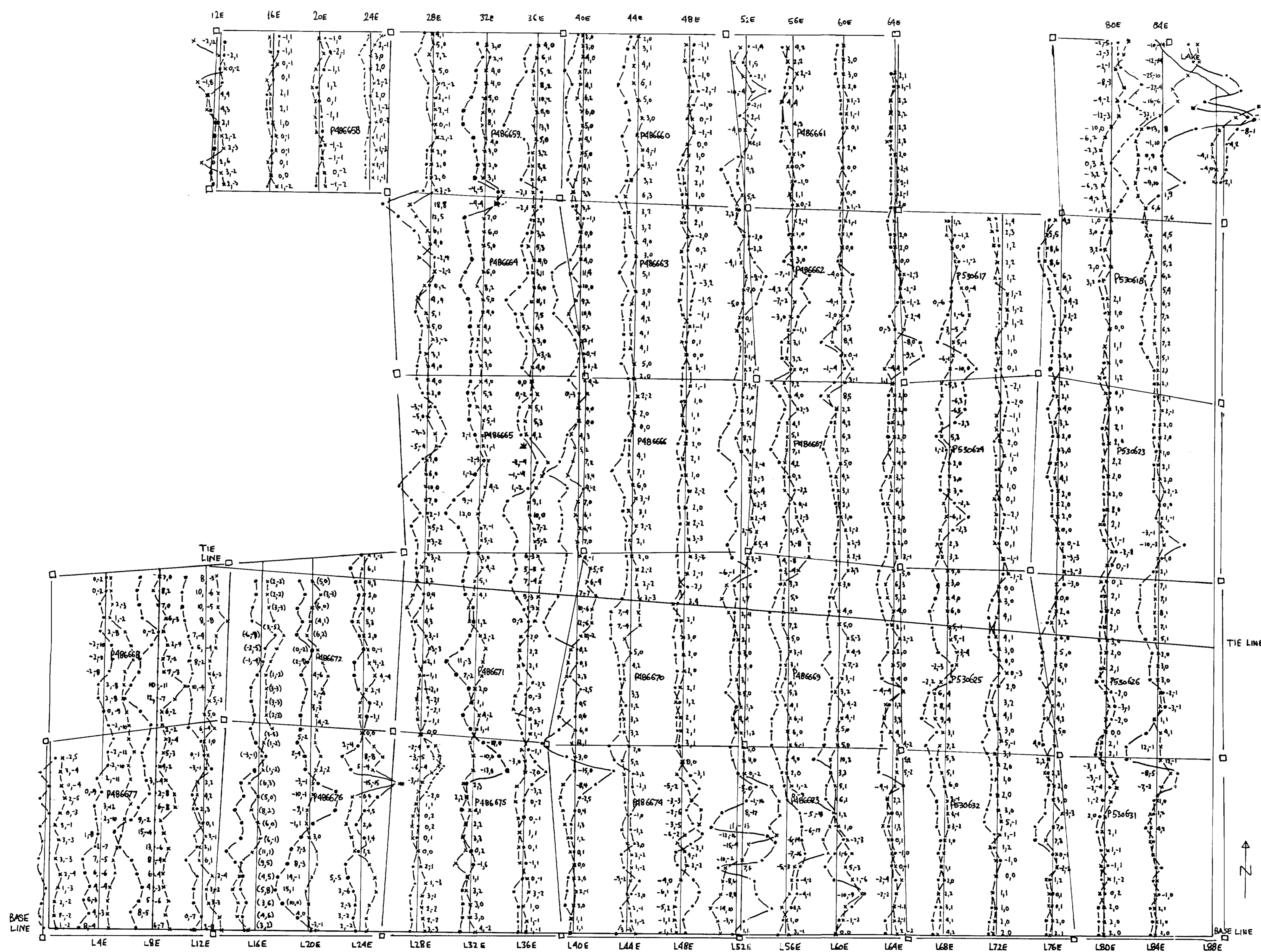




GOLDEIDT EXPLORATION INC.  
 TINCAN PROJECT - MACKLEM TP.  
 MAGNETOMETER SURVEY  
 INSTRUMENT: GEONICS G-816  
 CONTOUR: EVERY 100 X (GAMMA)  
 RANGE: 61000 X  
 SURVEYED BY: R. SIBTHORPE OCT. 1982  
 DRAWN BY: R. SIBTHORPE DEC. 1982  
 SCALE: 1 INCH = 400 FEET  
 R. Sibthorpe B.S.





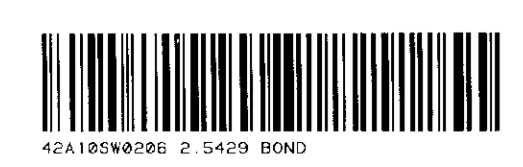


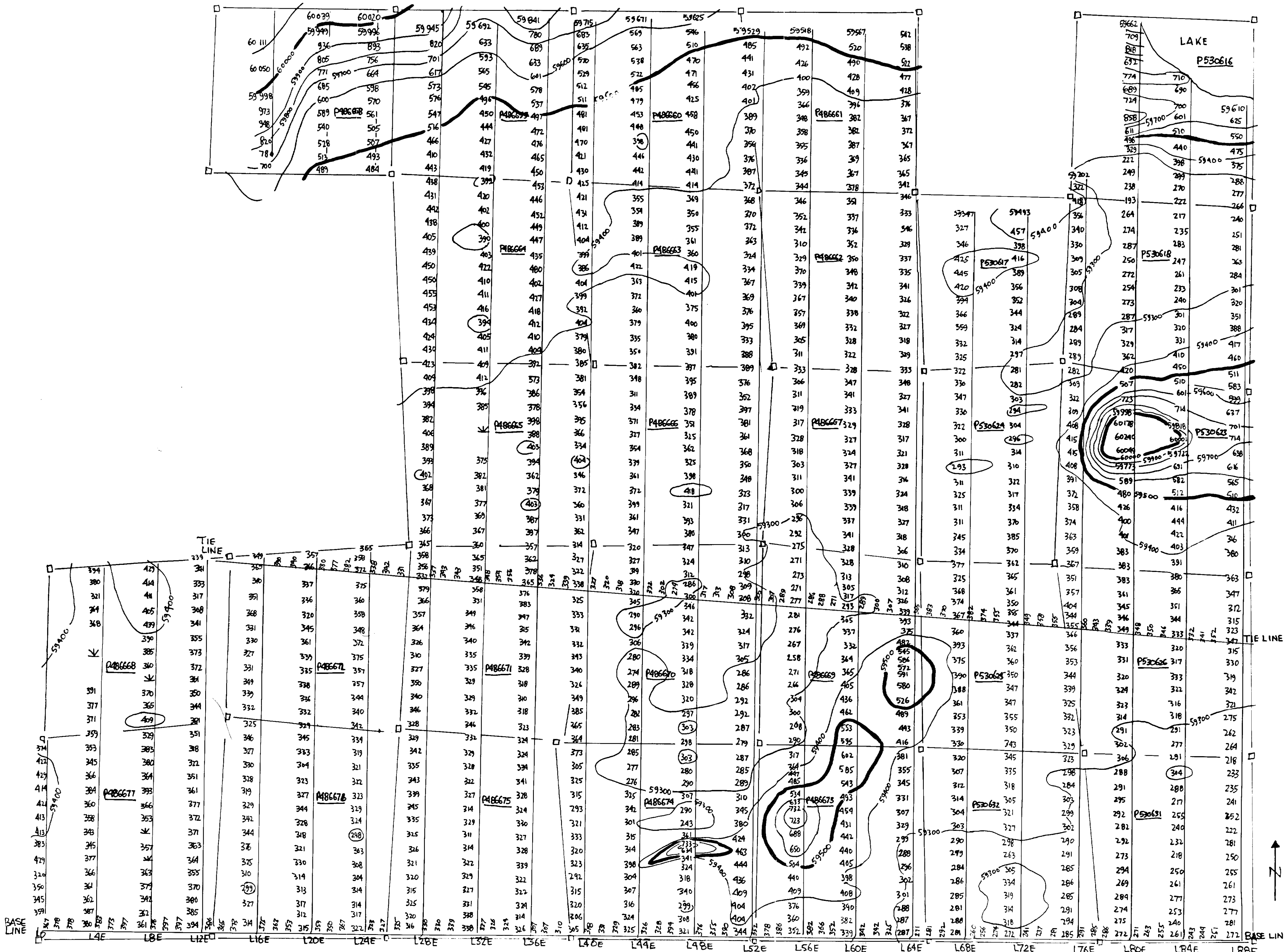
GOLDEIDT EXPLORATION INC.  
 TINCAN PROJECT  
 MACKLEM & BOND TFS.  
 ELECTROMAGNETIC SURVEY

INSTRUMENT: GEONICS EM-16  
 STATION: CUTLER, MAINE

SURVEYED BY: R. SIBTHORPE 7-10-82  
 DRAWN BY: R. SIBTHORPE 12-82  
 SCALE (VERT): 1 INCH = 0  
 SCALE (HORIZ): 1 INCH = 400 FEET  
 PROFILE: IN-PHASE \* \* \* \* \*  
 QUADRATURE o o o o o

R. Sibthorpe B.Sc.





GOLDEIDT EXPLORATION INC.  
 TINCAN PROJECT  
 MACKLEM & BOND TFS.  
 1 MAGNETOMETER SURVEY

INSTRUMENT: GEONICS G-816  
 CONTOUR : 100 GAMMA  
 RANGE : 61000 GAMMAS  
 SURVEYED BY: J. EIDT 7-82  
 R. DOLEGOWSKI  
 DRAWN BY: R. SIBTHORPE 9-82  
 SCALE : 1 INCH = 400 FEET  
 R. Sibthorpe B.Sc.

