

Vertical Magnetic Intensity



42A13NE0052 63.1983 LAIDLAW

010

of  
36 claims in Laidlaw and Kirkland Townships  
by  
Tri-J Mineral Surveys Ltd.

INTRODUCTION

A vertical magnetic intensity survey began on February 15, 1966 and was completed on May 28, 1966 on 26 claims located in the townships of Laidlaw and Kirkland. This survey was performed by Tri-J Mineral Surveys Ltd., Box 820, South Porcupine, Ontario under the supervision of A.L. Parres P. Eng., Box 820, South Porcupine, Ontario.

LOCATION AND ACCESSIBILITY

Location:

Ten of the claims covered are located in the north-east portion of Kirkland Township, Porcupine Mining Division and the numbers are: P-75260, P-75766, P-75778, P-75775, P-75772, P-75771, P-75254, P-75255, P-75251, P-75252.

Twenty-six of the claims covered are located in the southeast corner of Laidlaw Township, Porcupine Mining Division and the numbers are: P-75239, P-75241, P-75242, P-75243, P-75244, P-75245, P-75246, P-75248, P-75249, P-75250, P-75253, P-75256, P-75257, P-75259, P-75262, P-75264, P-75265, P-75765, P-75767, P-75768, P-75769, P-75770, P-75773, P-75774, P-75776, P-75777.

Accessibility:

The claims can be reached by travelling south on the Red Pine Lake road which joins Highway 11 at a point 4 miles west of Smooth Rock Falls. The Red Pine Lake road enters the property at the north boundary of claim No. P-75776 at approximately mileage 26 and runs south through claims P-75776, P-75777 and P-75778.

Another method of reaching the claims is to travel by air with float or ski-equipped aircraft from South Porcupine or Remi Lake. Netan Lake, which extends into the north portion of claim P-75764 affords an excellent landing place for aircraft.

OWNERSHIP AND INTERESTS OF CLAIMS

The claims are owned by A.L. Farres, Box 820, South Porcupine, Ontario and are under option to Guggenheim Exploration Company Inc., 120 Broadway, New York City, New York, U.S.A.

PHYSICAL ASPECTS

The claims are underlain by Precambrian formations and the topography is extremely flat. The area is covered mainly with drift and muskeg and has few outcrops. The known rock types which occur in the area are interbedded rhyolites, andesites, with garnetiferous amphibolites and garnetiferous greywackes. It is probable from a study of the magnetic maps of the area that some basic or ultra-basic intrusives are present.

EXPLORATION AND DEVELOPMENT TO DATE

No previous exploration or development work is known to have been carried out on these claims but some previous grids were established over limited sections of the property.

RESULTS OBTAINED AND CONCLUSIONS

The readings in gammas are plotted every 100' on section lines 400' apart. When an anomalous condition was encountered readings were taken every 50'.

The map area has been contoured with 500 and 1000 gamma contour intervals.

Three zones have been indicated which exhibit <sup>Magnetic features</sup> anomalous ~~fractures~~ varying in intensity and shape and have been designated alphabetically on the accompanying map by "1", "2", "3".

Discussion and recommendations of anomalies

Anomaly "1":

Readings on section line 1600 W from 1450' N to 2050' N were above the limit of the 12000 gauss auxiliary magnet and were plotted as off-scale (O.S.). Similar readings were encountered on section line 800 W at station 1150' N and on section line 400 W from 1030' N to 1050' N.

This anomaly is somewhat tadpole in shape with a circular body-like form to the northwest and having a tail-shaped extension to the southeast.

It is recommended that the material causing this anomaly can be detected best by drilling a diamond drill hole on section line 800 W in a south direction at 50° with the collar located at 1350' N to a minimum depth of 350'.

This hole will serve a dual purpose. It will intersect both the magnetic material causing the anomaly and will also intersect the material causing the electrical conductor referred to as conductor "C" on the electromagnetic map.

Anomaly "2":

The highest readings on this anomaly occur on section line 1600' W and 1700' W indicating an anomalous condition with an oblique shape having a length of about 1000' with a lower magnitude extension running off the map area to the east.

By extending diamond drill hole No. 3, designed to intersect the material causing conductor "E" indicated on the electromagnetic map, it would be possible to intersect the material causing anomaly No. "2" but if the reason for conductor "E" was intersected at a shallow depth and the formation beyond this intersection was unfavorable then it would be more economical to drill an additional hole further south on section line 1600 W with the collar at 1700' S. This latter hole should be drilled north at an angle of 50° to a minimum depth of 250'.

Anomaly "3":

This anomaly is believed to be caused by a formation containing a small percentage of magnetite. It exhibits a long linear shape and extends intermittently for a distance of at least 9600'. No further exploration work is recommended on this zone.

TYPE OF INSTRUMENT

The Sharpe A2 magnetometer unit was used with a scale constant sensitivity of 20 gammas per scale division. Traverses were made along section lines 400' apart and readings were taken every 100'.

TOTAL NUMBER OF STATIONS ESTABLISHED

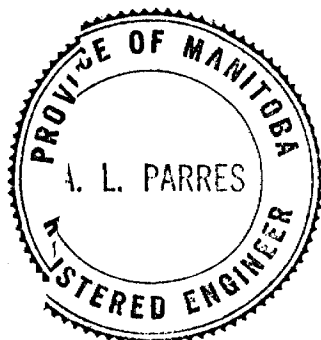
The total number of stations established was 1760.

TOTAL NUMBER OF MILES OF LINE CUT

The total number of miles of line cut was 35.75 miles.

NAMES, ADDRESSES, TYPE OF WORK, DAYS AND DATA

The following personnel were employed during the survey, the preparation of the geophysical plans and reports: (List Attached)



A. L. Parres P. Eng.

Vertical Loop Electr

of



42A13NE0052 63.1983 LAIDLAW

020

36 claims in Laidlaw and Kirkland townships

by

Tri-J Mineral Surveys Ltd.

### INTRODUCTION

A vertical loop electromagnetic survey began on February 15, 1966 and was completed on May 28, 1966 on 36 claims located in the townships of Laidlaw and Kirkland. This survey was performed by Tri-J Mineral Surveys Ltd., Box 820, South Porcupine, Ontario under the supervision of Alfred Lewis Parres P. Eng., Box 820, South Porcupine, Ontario.

### LOCATION AND ACCESSIBILITY

#### Location:

Ten of the claims covered are located in the north-east portion of Kirkland Township, Porcupine Mining Division and the numbers are: P-75260, P-75766, P-75778, P-75775, P-75772, P-75771, P-75254, P-75255, P-75251, P-75252.

Twenty-six of the claims covered are located in the southeast corner of Laidlaw Township, Porcupine Mining Division and the numbers are: P-75239, P-75241, P-75242, P-75243, P-75244, P-75245, P-75246, P-75248, P-75249, P-75250, P-75253, P-75256, P-75257, P-75259, P-75262, P-75264, P-75265, P-75765, P-75767, P-75768, P-75769, P-75770, P-75773, P-75774, P-75776, P-75777.

#### Accessibility:

The claims can be reached by travelling south on the Red Pine Lake Road which joins Highway 11 at a point 4 miles west of Smooth Rock Falls. The Red Pine Lake road enters the property at the north boundary of claim No. P-75776 at approximately

mileage 26 and runs south through claims P-75776, P-75777 and P-75778.

Another method of reaching the claims is to travel by air with float or ski-equipped aircraft from South Porcupine or Remi Lake. Return Lake, which extends into the north portion of claim P-75764 affords an excellent landing place for aircraft.

NAME AND ADDRESS OF OWNERS

The claims are owned by A.L. Parres, Box 820, South Porcupine, Ontario and are under option to Juggenheim Exploration Company Inc., 120 Broadway, New York City, New York, U.S.A.

GEOLOGICAL DATA

The claims are underlain by precambrian formations and the topography is extremely flat. The area is covered mainly with drift and muskeg, and has few outcrops. The known rock types which occur in the area are interbedded rhyolites, andesites, with garnetiferous amphibolites and garnetiferous greywackes. It is probable from a study of the magnetic maps of the area that some basic or ultra-basic intrusives are present.

MINING AND DEVELOPMENT TO DATE

No previous exploration or development work is known to have been carried out on these claims but some previous grids were established over limited sections of the property.

RESULTS OBTAINED AND CONCLUSIONS

Eight main conductive zones were outlined and designated alphabetically as : "A", "B", "C", "D", "E", "F" "G" and "H".

Discussion and Recommendations of Conductors

Conductor "A":

Conductivity is very poor and unless interesting results are obtained from drilling "C" conductor which lies to the southeast of "A", it is not recommended that any further geophysical work or drilling be carried out on this zone.

Conductor "B":

Conductivity is poor but this conductor is located on the flank of a strong magnetic anomaly and if the results obtained from drilling conductor "C" are favourable it would be worthy of further investigation.

Conductor "C":

Conductivity is fair to good and it is recommended that this conductor be tested with the horizontal loop equipment in order to pinpoint a drill target. The dip angle profile indicates that the material causing the conductor dips to the north and a diamond drill hole should be drilled on section line 8W collared at 1250' N and drilled south at 50° to a minimum depth of 300'.

Conductor "D":

Conductivity is very good and it is recommended that this conductor be tested by the horizontal loop method in order to pinpoint a drill target. The dip angle profile indicates that the material causing the conductor dips to the north and a diamond drill hole should be collared at 50' S on section line 2400 W and drilled south at 50° to a depth of 300'.

Conductor "E":

Conductivity is fair-to good-to very good with the area where section line 1600 W crosses the axis of the conductor at 1325' S, indicating excellent conductivity. It is recommended that this conductor be tested by the horizontal loop method in order to pinpoint a drill target. The dip angle profile indicates that the material causing the conductor dips to the north and a diamond drill hole should be collared at 1175' S on section line 1600 W. and drilled south at 50° to a minimum depth of 300'.

Conductor "F":

Conductivity is poor-to fair-to good with the area where section line 2800 W crosses the axis of the conductor at 2600' S indicating good conductivity. It is recommended that this conductor be tested by the horizontal loop method in order to pinpoint a drill target. The dip angle profile indicates that the material causing the conductor dips to the north and a diamond drill hole should be collared at 2450' S on section line 2800 W and drilled south at 50° to a minimum depth of 300'.

Conductor "G":

Conductivity is fair to good and it is recommended that this conductor be tested by the horizontal loop method in order to pinpoint a drill target. The dip angle profile indicates that the material causing the conductor dips to the north and a diamond drill hole should be collared at 1850' S on section line 6400 W and drilled S. at 50° to a depth of 350'.



Conductor "n":

Conductivity is poor to fair to good and it is recommended that this conductor be tested by the horizontal loop method in order to pinpoint a drill target. The dip angle profile indicates that the material causing the conductor dips to the north and a diamond drill hole should be collared at 1675' S on section line 11200' W and drilled south at 50° to a minimum depth of 350'.

TYPE OF INSTRUMENT

The McPhar vertical loop electromagnetic unit (Model 33-15) was used with a frequency of 100 cycles per second. Traverses were made along section lines 400' apart and readings were taken every 100' from 0 to 1000' on either side of the transmitter. At the end of each traverse line the number of the transmitter station from which the readings were taken, is marked.

TOTAL NUMBER OF STATIONS ESTABLISHED

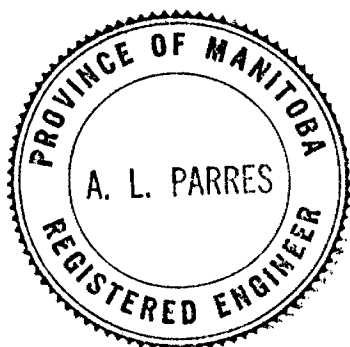
The total number of stations established was 1760.

TOTAL NUMBER OF MILES OF LINE CUT

The total number of miles of line cut was 35.75 miles.

NAMES, ADDRESSES, TYPE OF WORK, DAYS AND DATA

The following personnel were employed during the survey, the preparation of the geophysical plans and reports: (List attached)



*A. L. Parres*  
.....  
A. L. Parres P. Eng.



ONTARIO  
DEPARTMENT OF MINES

63  
159  
PORCUPINE MINING DIVISION

127 THIRD AVENUE  
TIMMINS, ONTARIO

June 30th, 1966



42A13NE0052 63.1983 LAIDLAW

900

Mr. R. V. Scott,  
Director,  
Mining Lands Branch,  
Ontario Department of Mines,  
Parliament Buildings,  
Toronto 2, Ontario

Dear Sir:

Re: Mining Claims P-75239,  
P-75241-46 incl., P-75248-50 incl.

An assessment work credit of 60 days, geophysical,  
was recorded on each of the above mining claims on June  
24th.

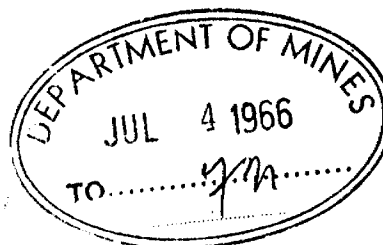
These claims are recorded in the name of Theodore  
Joly, c/o P.O. Box 820, South Porcupine, Ontario.

The reports and maps are being forwarded direct to  
the Department.

Yours very truly,

R. J. Simick,  
Acting Mining Recorder.

/jt





June 30th, 1966

Mr. R. V. Scott,  
Director,  
Mining Lands Branch,  
Ontario Department of Mines,  
Parliament Buildings,  
Toronto 2, Ontario

Dear Sir:

Re: Mining Claims P-75251-57 incl.

An assessment work credit of 60 days, geophysical, was recorded on each of the above mining claims on June 24th.

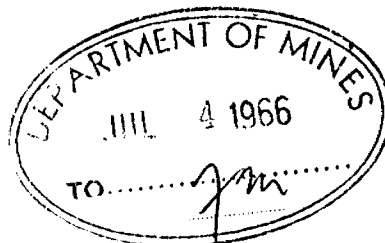
These claims are recorded in the name of Donald Tilden, c/o P.O. Box 820, South Porcupine, Ontario.

The reports and maps are being forwarded direct to the Department.

Yours very truly,

R. J. Simick,  
Acting Mining Recorder.

/jt





ONTARIO  
DEPARTMENT OF MINES

PORCUPINE MINING DIVISION

127 THIRD AVENUE  
TIMMINS, ONTARIO

June 30th, 1966

Mr. R. V. Scott,  
Director,  
Mining Lands Branch,  
Ontario Department of Mines,  
Parliament Buildings,  
Toronto 2, Ontario

Dear Sir:

Re: Mining Claims P-75763, P-75765,  
P-75770-78 incl.

An assessment work credit of 60 days, geophysical,  
was recorded on each of the above mining claims on June  
24th.

These claims are recorded in the name of James H.  
Priest, c/o P.O. Box 820, South Porcupine, Ontario.

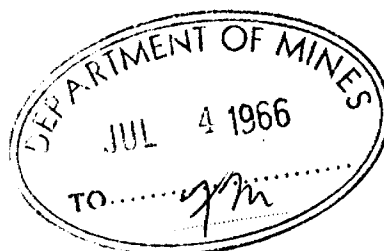
The reports and maps are being forwarded direct to  
the Department.

Yours very truly,

A handwritten signature in cursive script, appearing to read "R. J. Simick".

R. J. Simick,  
Acting Mining Recorder.

/jt





ONTARIO  
DEPARTMENT OF MINES

PORCUPINE MINING DIVISION

127 THIRD AVENUE  
TIMMINS, ONTARIO

June 30th, 1966

Mr. R. V. Scott,  
Director,  
Mining Lands Branch,  
Ontario Department of Mines,  
Parliament Buildings,  
Toronto 2, Ontario

Dear Sir:

Re: Mining Claims P-75259-60,  
P-75262, P-75<sup>7</sup>64, P-75766-69 incl.

An assessment work credit of 60 days, geophysical,  
was recorded on each of the above mining claims on  
June 24th.

These claims are recorded in the name of A. L. Parres,  
P.O. Box 820, South Porcupine, Ontario.

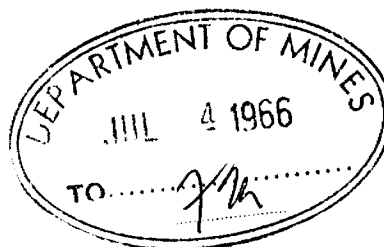
The reports and maps are being forwarded direct to  
the Department.

Yours very truly,

A handwritten signature in cursive script that reads "Simick".

R. J. Simick,  
Acting Mining Recorder.

/jt



W.1261

W.1261

W.1261

W.1261

W.1261

W.1261

TRIM LINE

Sydere Twp.

Carmichael Twp.

Ford Twp.

Mabee Twp.

Kirkland Twp.

# THE TOWNSHIP OF OF LAIDLAW

DISTRICT OF COCHRANE  
PORCUPINE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

### LEGEND

PATENTED LAND	Ⓟ
CROWN LAND SALE	C.S.
LEASES	Ⓛ
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	

### NOTES

400' Reserve around all Lakes & Rivers to Dept. of Lands & Forests:

Subdivision within boundaries shown thus: annulled under Subsection I, Section II, of Public Lands Act. File: 34878.

Mining claims to be accepted as in an unsurveyed township, subject to surveys.

#### DATE OF ISSUE

NOV 17 1966

ONTARIO DEPT. OF MINES

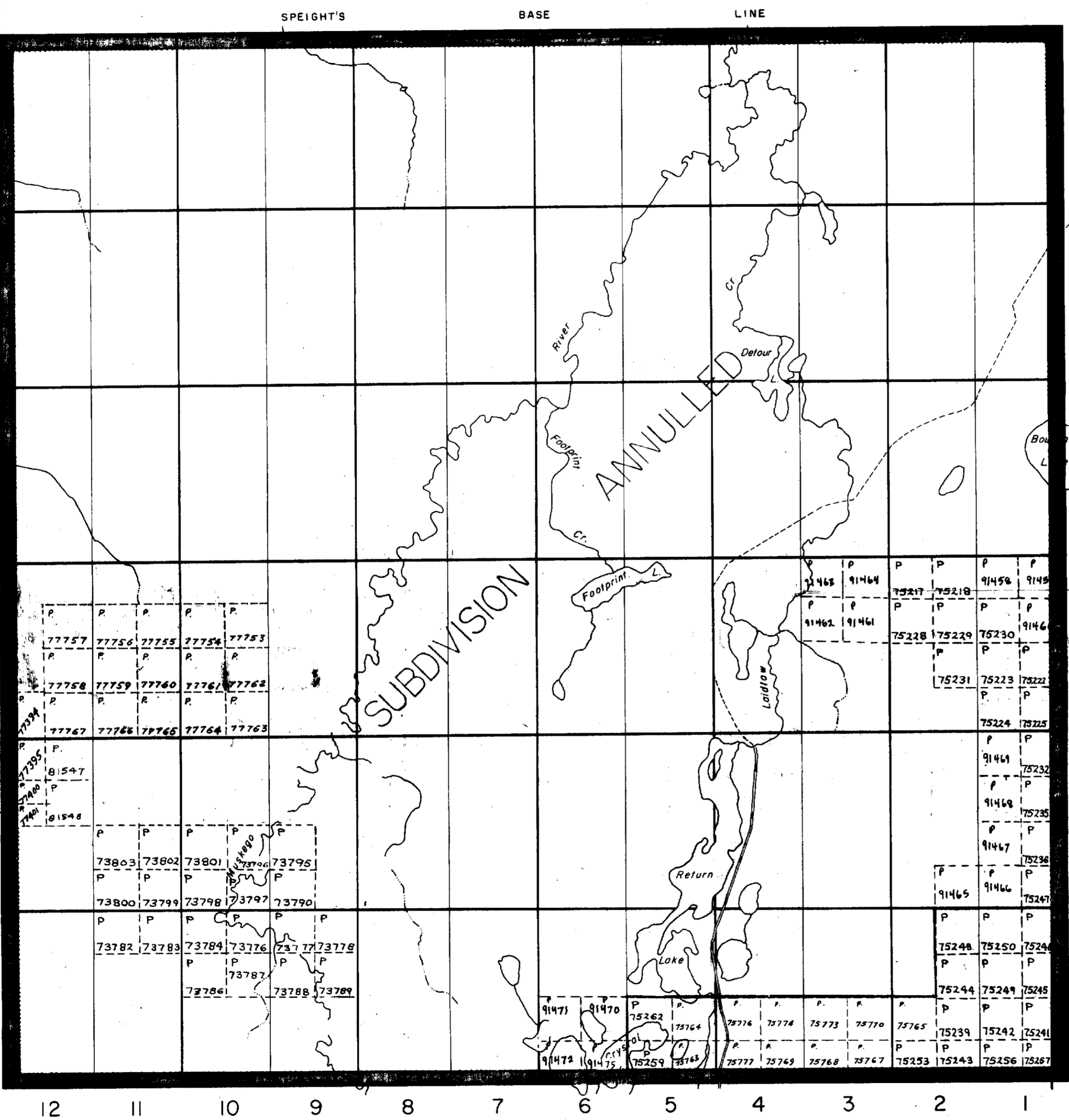
#### ONT. DEPT. OF MINES MINING LANDS BR.

THIS MAP FOR CHECKING  
PURPOSES ONLY - MUST  
NOT BE SOLD.

PLAN NO.- M.1967

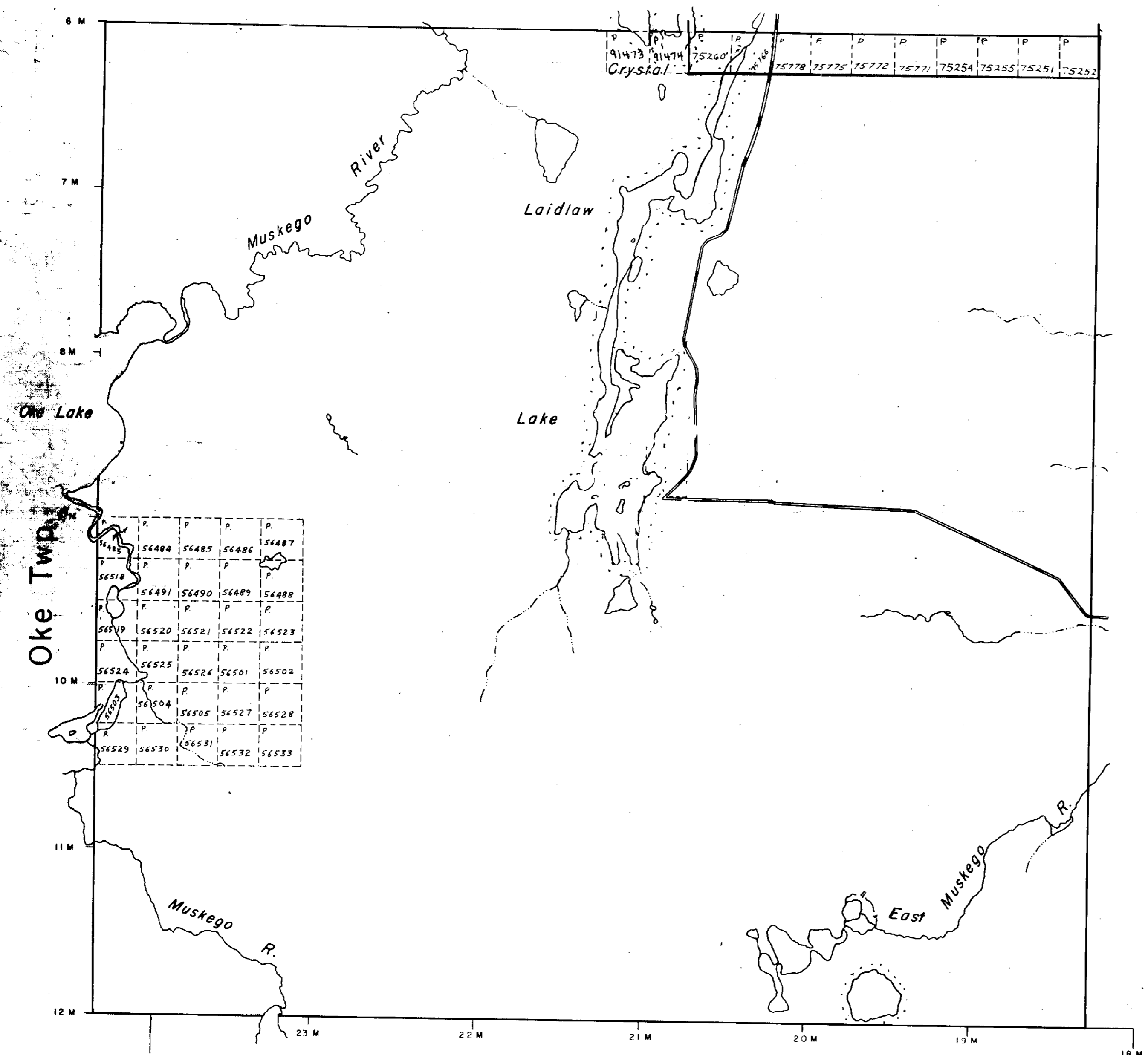
DEPARTMENT OF MINES

— ONTARIO —



Laidlaw Twp.

THE TOWNSHIP OF  
OF  
**KIRKLAND**  
DISTRICT OF COCHRANE  
PORCUPINE MINING DIVISION  
SCALE: 1-INCH=40 CHAINS



56483	56484	56485	56486	56487
56518	56491	56490	56489	56488
56519	56520	56521	56522	56523
56524	56525	56526	56501	56502
56503	56504	56505	56527	56528
56529	56530	56531	56532	56533

91473	91474	75260	75778	75775	75772	75771	75254	75255	75251	75253
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

LEGEND

- PATENTED LAND Ⓟ
- CROWN LAND SALE C.S.
- LEASES Ⓛ
- LOCATED LAND Loc.
- LICENSE OF OCCUPATION L.O.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- ROADS —
- IMPROVED ROADS —
- KING'S HIGHWAYS —
- RAILWAYS —
- POWER LINES —
- MARSH OR MUSKEG —
- MINES Ⓜ
- CANCELLED C.

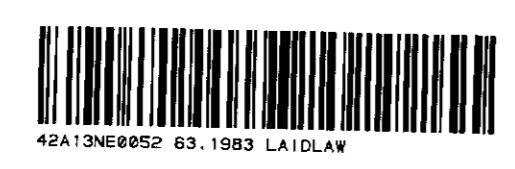
NOTES

400' Surface Rights Reservation around all Lakes and Rivers.

**DATE OF ISSUE**  
NOV 17 1966  
ONTARIO DEPT. OF MINES

ONT. DEPT. OF MINES  
MINING LANDS BR.  
THIS MAP FOR CHECKING  
PURPOSES ONLY - MUST  
NOT BE SOLD.

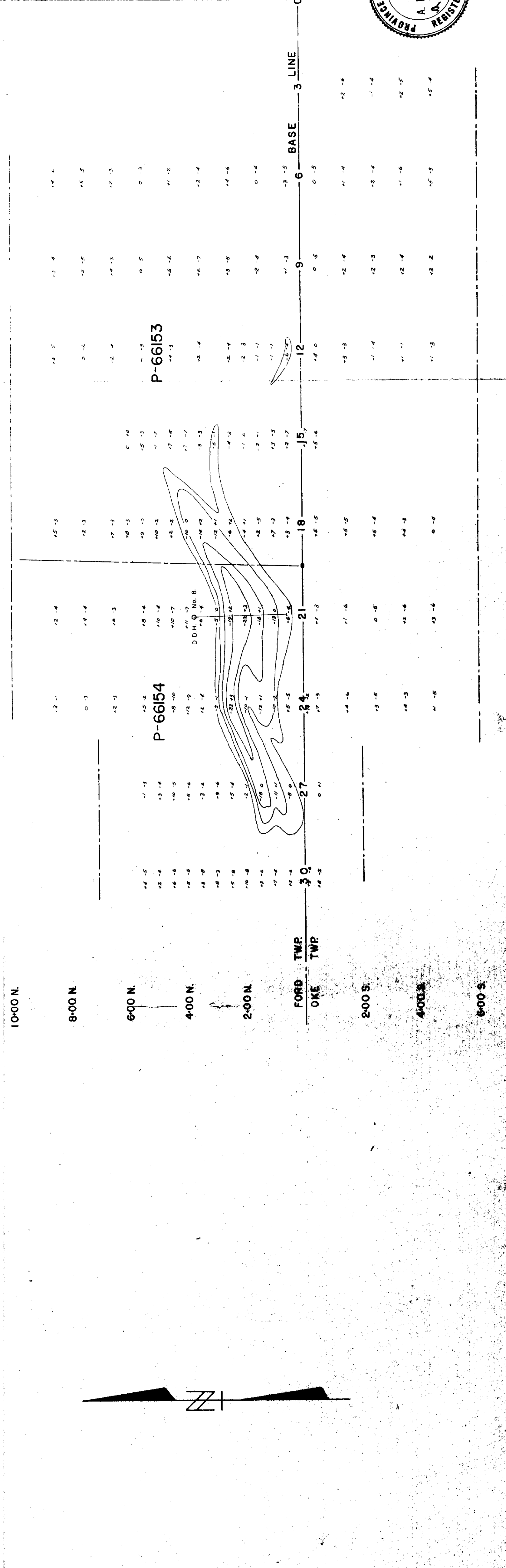
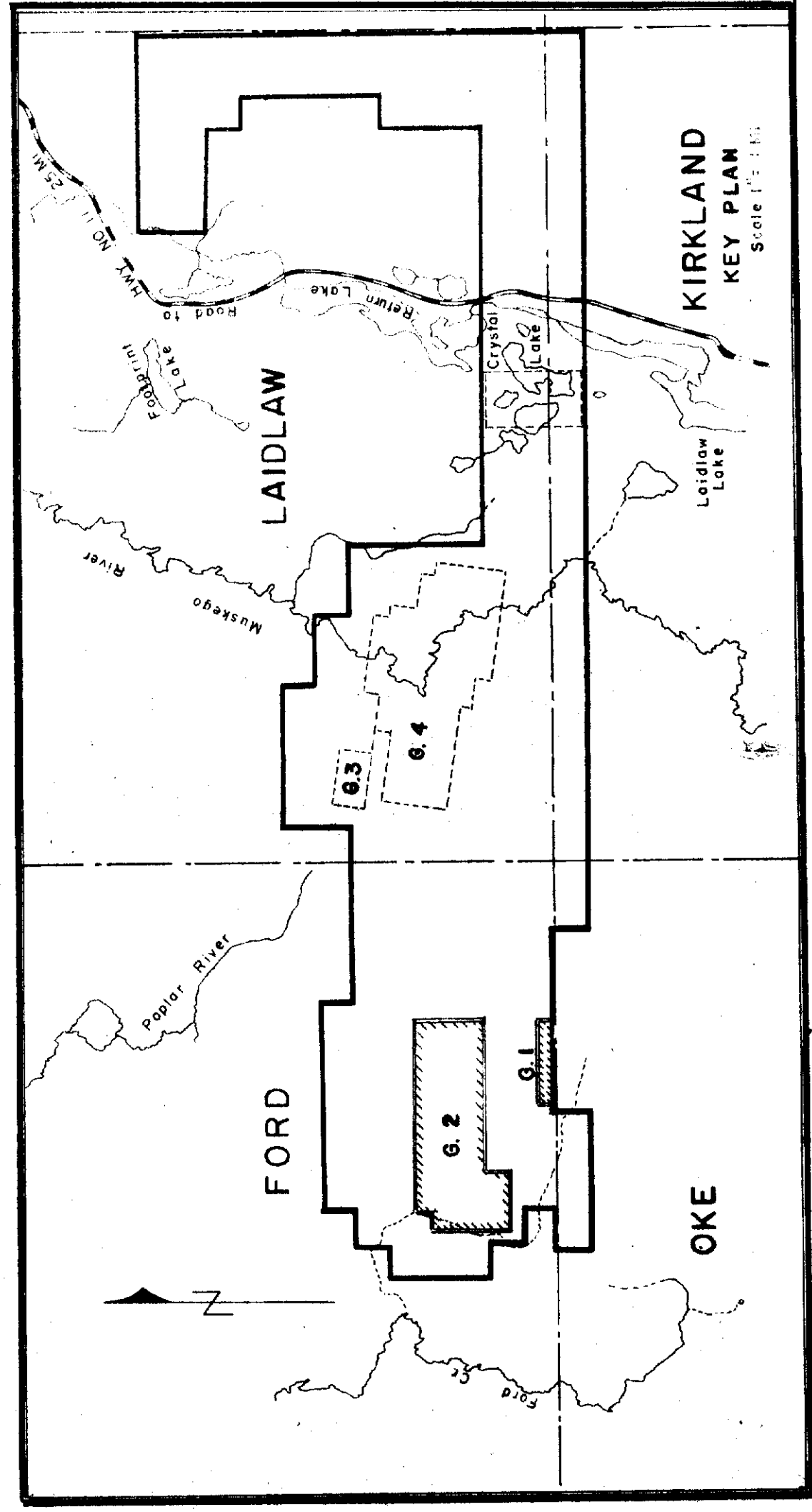
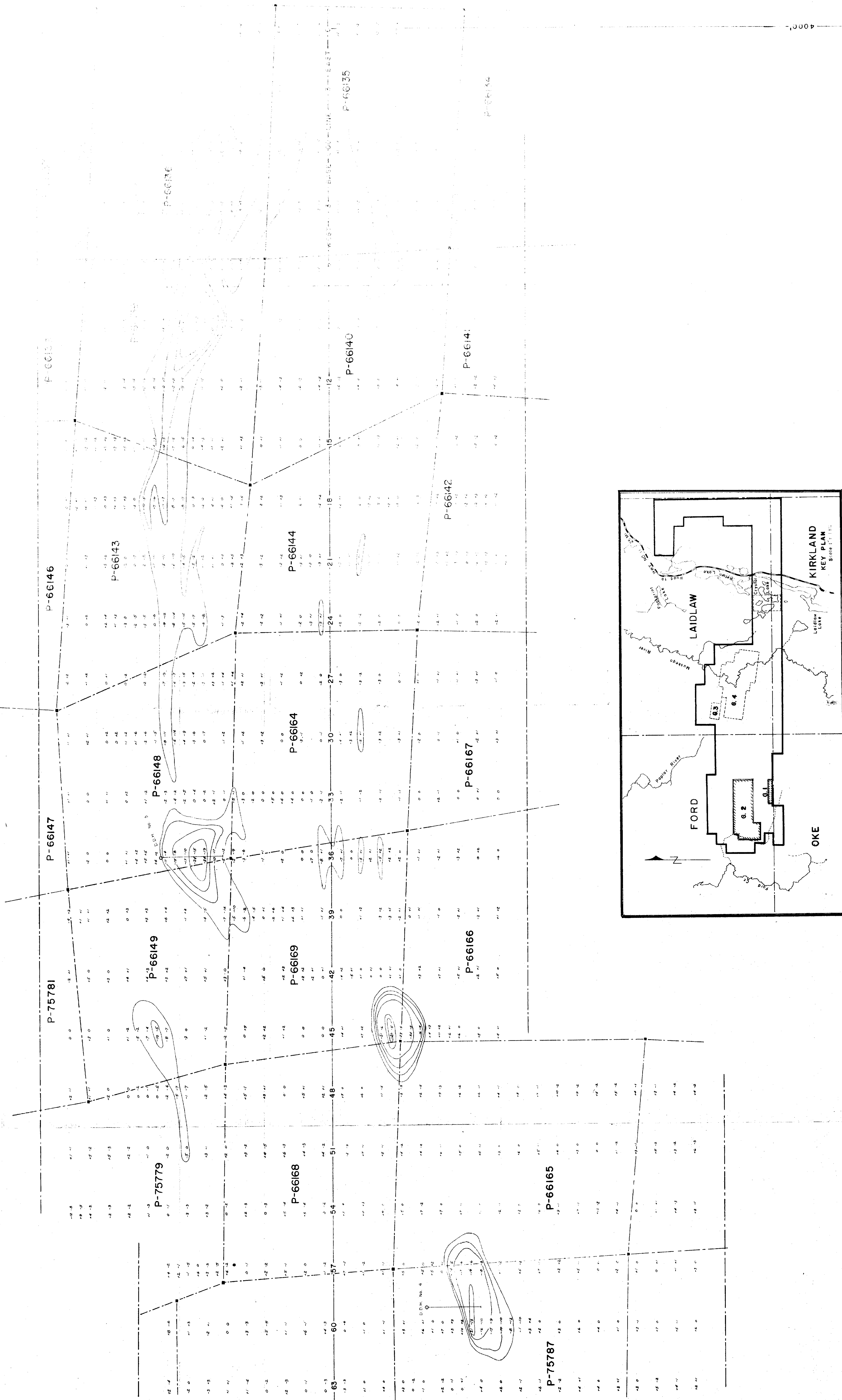
PLAN NO.- M-523  
DEPARTMENT OF MINES  
— ONTARIO —



Wilhelmina Twp.

15:00 N  
14:00 N  
12:00 N  
10:00 N  
8:00 N  
6:00 N  
4:00 N  
2:00 N  
0:00  
2:00 S  
4:00 S  
6:00 S  
8:00 S  
10:00 S  
12:00 S  
14:00 S  
16:00 S  
18:00 S  
20:00 S

10:00 N  
8:00 N  
6:00 N  
4:00 N  
2:00 N  
0:00  
2:00 S  
4:00 S  
6:00 S



**FORD-LAIDLAW PROJECT**  
HORIZONTAL ELECTROMAGNETIC SURVEY

300' COIL SPACING 876 C.P.S.

IN PHASE LEFT OUT OF PHASE RIGHT  
SCALE: 1" = 200'  
APRIL 1969

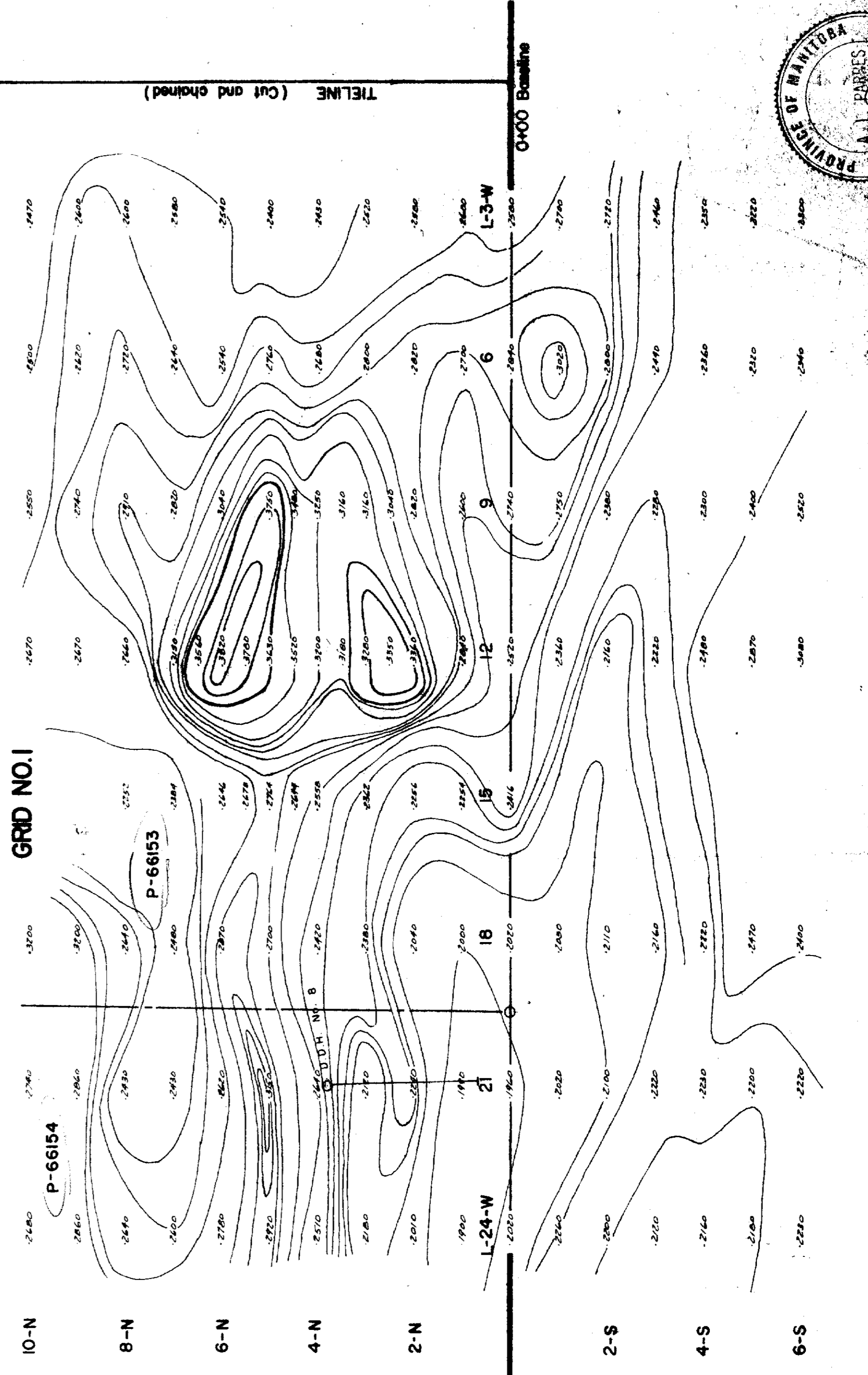
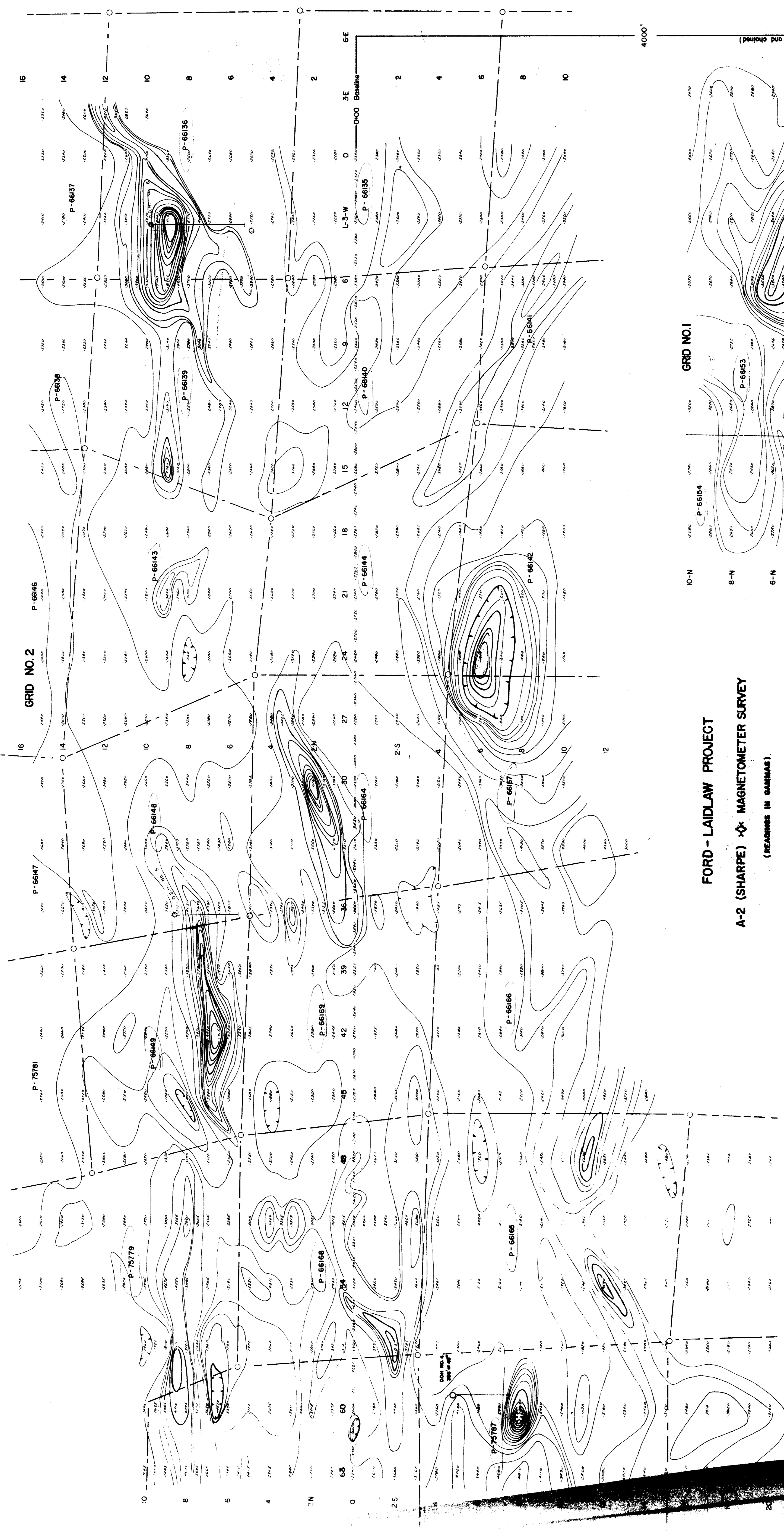
by: TRI-J MINERAL SURVEY LTD.



220



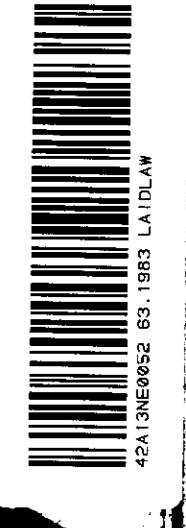
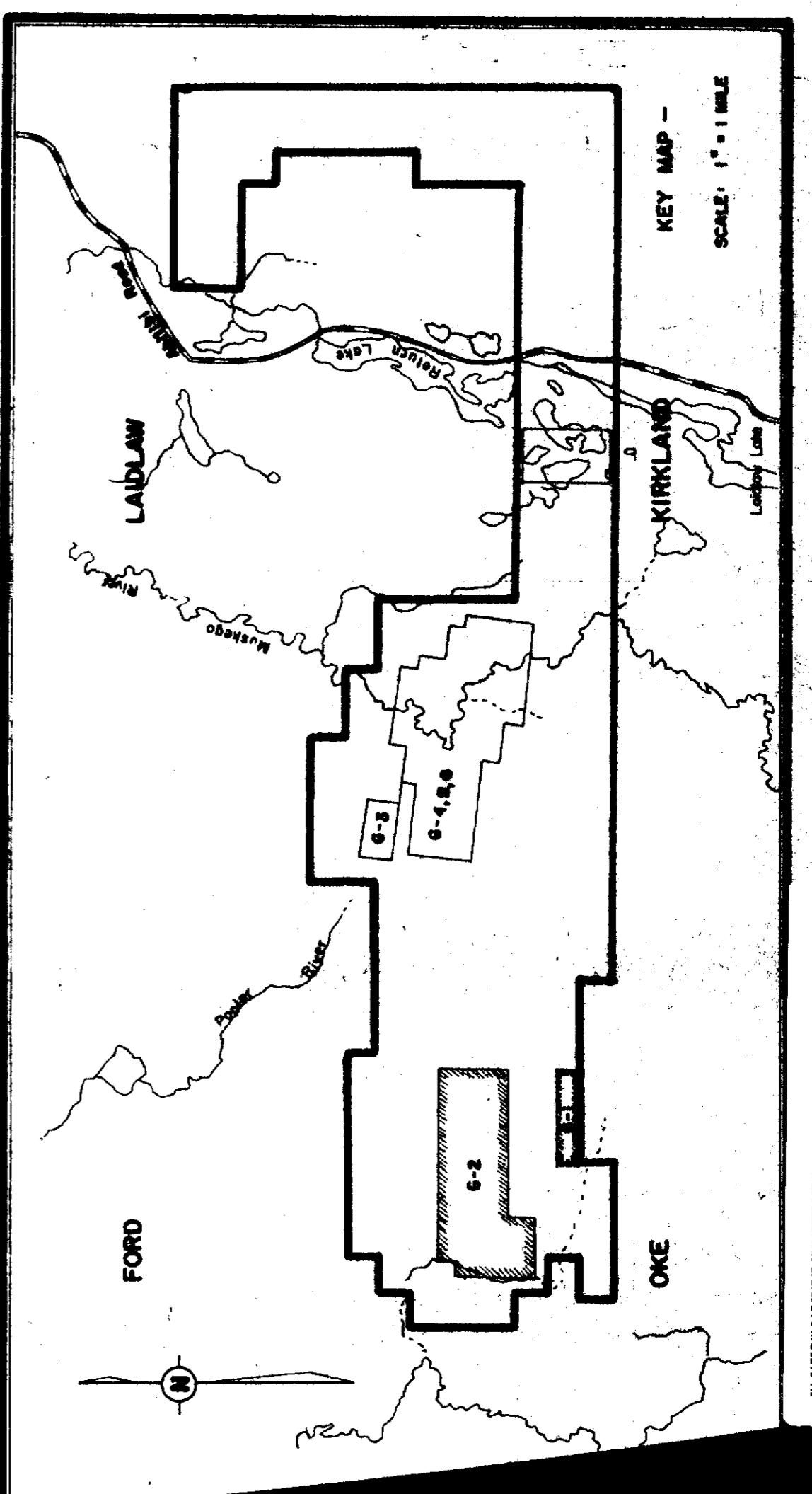




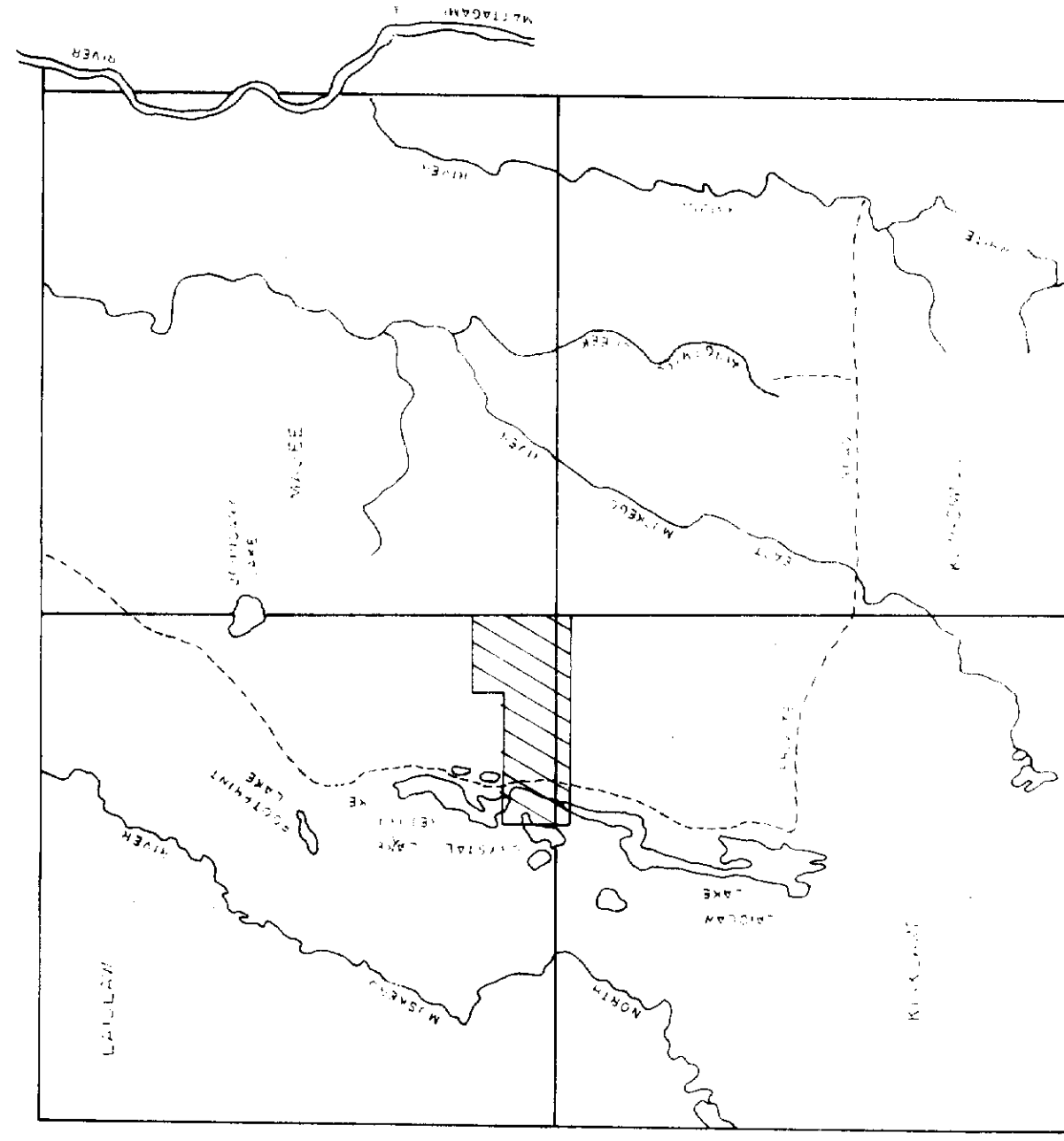
FORD - LAIDLAW PROJECT  
 A-2 (SHARPE) ✧ MAGNETOMETER SURVEY  
 (READINGS IN GANSMAS)

THE SCALE 1" = 200'

MARCH 1985



68189



VERTICAL LOOP  
ELECTROMAGNETIC SURVEY  
of 36 CLAIMS  
LADLAW and KIRKLAND TOWNSHIP  
GUGGENHEIM EXPLORATION Co INC  
TRI-J MINERAL SURVEYS LIMITED  
MAY 1966 MAP SCALE 1" = 200'  
PROFILE SCALE 1" = 20'  
INSTRUMENT USED: MIPHAS UNIT MODEL 5515  
FREQUENCY 1000 C.F.S.

**LEGEND**  
 Conductivity Area  
 Boundary Location  
 Dip Anomaly (See Unit Method Legend, Boundary)  
 North-South Profile  
 Profile Line

66-101

