

SERVICES EXPLORATION SERVICE



41P11NW0419 2.3584 CONNAUGHT

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84 RUE GATINEAU STREET
NORANDA, QUE., CANADA
J9X 1N1

Division of Exploration
Commissariat de l'Énergie
Énergie Géophysique
Exploration Géophysique
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Claim Studies
Lithology
Geophysical Surveys
Geological Surveys
Exploration Programmes

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DEC - 2 1980

MINING LANDS SECTION

M I N E S P A T I N O (Q U E .) L T E E .

G E O P H Y S I C A L S U R V E Y S

CONNAUGHT TWP. CLAIM GROUP

October, 1980

2. 11. 80

I - INTRODUCTION: Geophysical surveys were undertaken during the month of September, 1980, on the Connaught Twp. property of "MINES PATINO (QUE.) LTEE. as a complement to the geological survey undertaken during the same period.

II - PROPERTY: The property consists of 16 contiguous 40 acre claims numbered as follows:

507821, 507822, 507823, 507824, 507825, 507854, 507855, 507856, 507857, 507859, 507860, 507861, 507862, 507863 & 507864.

III - LOCATION & ACCESSIBILITY:

The said claim group is located in the central area of Connaught Twp., Ontario, west of Connaught lake and east of the north-south hydro transmission line, an approximate distance of 8 miles northwest of the town of Shiningtree, Ont.

The area is accessible via the hydro access road which services the transmission line referred to above - this access road leads northwards from highway 560 at a point 10 miles west of Shiningtree. It must be travelled from there for a distance of 10 miles before it reaches the western extension of the claim boundaries; an old drill road leads eastward from that point and crosses the northern boundaries of the claim group at an approximate distance of 1 mile to the east.

IV - GEOPHYSICAL SURVEYS:

The surveys were carried out on a previously cut grid whose 6,800' long base line strikes in an approximate east-west direction. Cross lines occur at every 400' intervals and extend northwards to a maximum distance of 2,400' and southwards, to 2,600' for a total line mile coverage of 16.5 miles.

Magnetometer Survey:

An Exploranium G 816 proton magnetometer was used for the survey: readings were taken at every 100' intervals and at every 50' intervals over anomalous areas.

The most prominent magnetic features occur in the west sector of the grid where north-south trending anomalies indicate the presence of diabase dykes - these dykes appear to be off-set and discontinuous. Geological information is required to confirm and best locate the inferred faults.

Numerous other small and irregular magnetic anomalies do occur throughout the grid area except in the northeast corner where magnetic anomalies are absent.

Electromagnetic Survey:

Electromagnetic Survey:

A Geonics' E.M. - 16 unit was used for the survey tuned to the NAA,Cutler,Maine station with a frequency of 17.8 KHz. Readings were taken at every 100' intervals and the data processed by the "Fraser Filtering" method.

The strongest anomaly, which is segmented, occurs in the northern sector of the grid, more or less coincident with the stream of the area: a fault system may be inferred.

An east, southeast trending E.M. feature has also been outlined south of the base line, which at times is more or less coincident with a weak magnetic anomaly - it is discontinuous between X1 28W and 20E.

Another E.M. feature has been observed in the extreme southwestern part of the grid.

V - CONCLUSIONS & RECOMMENDATIONS:

A compilation of the geological data is required in order that an appropriate interpretation of the structure may be attempted.

E. Chartré: 

Oct. 15, 1980.

SERVICES EXPLORATION SERVICES Enrg.
Reg'd

TELEPHONE: (819) 762-5498

84 RUE GATINEAU STREET
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J9X 1N1

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In account with: MINES PATINO (QUE.) LTEE.

GEOPHYSICAL SURVEYS - CONNAUGHT TWP., ONT. - SEPTEMBER 1980.

Magnetometer Survey:

Exploranium G-816 proton magnetometer

16 miles at \$100.00/mi.

\$ 1,600.00


Electromagnetic Survey:

Geonics E.M - 16

12 miles at \$100.00/mi

\$ 1,200.00

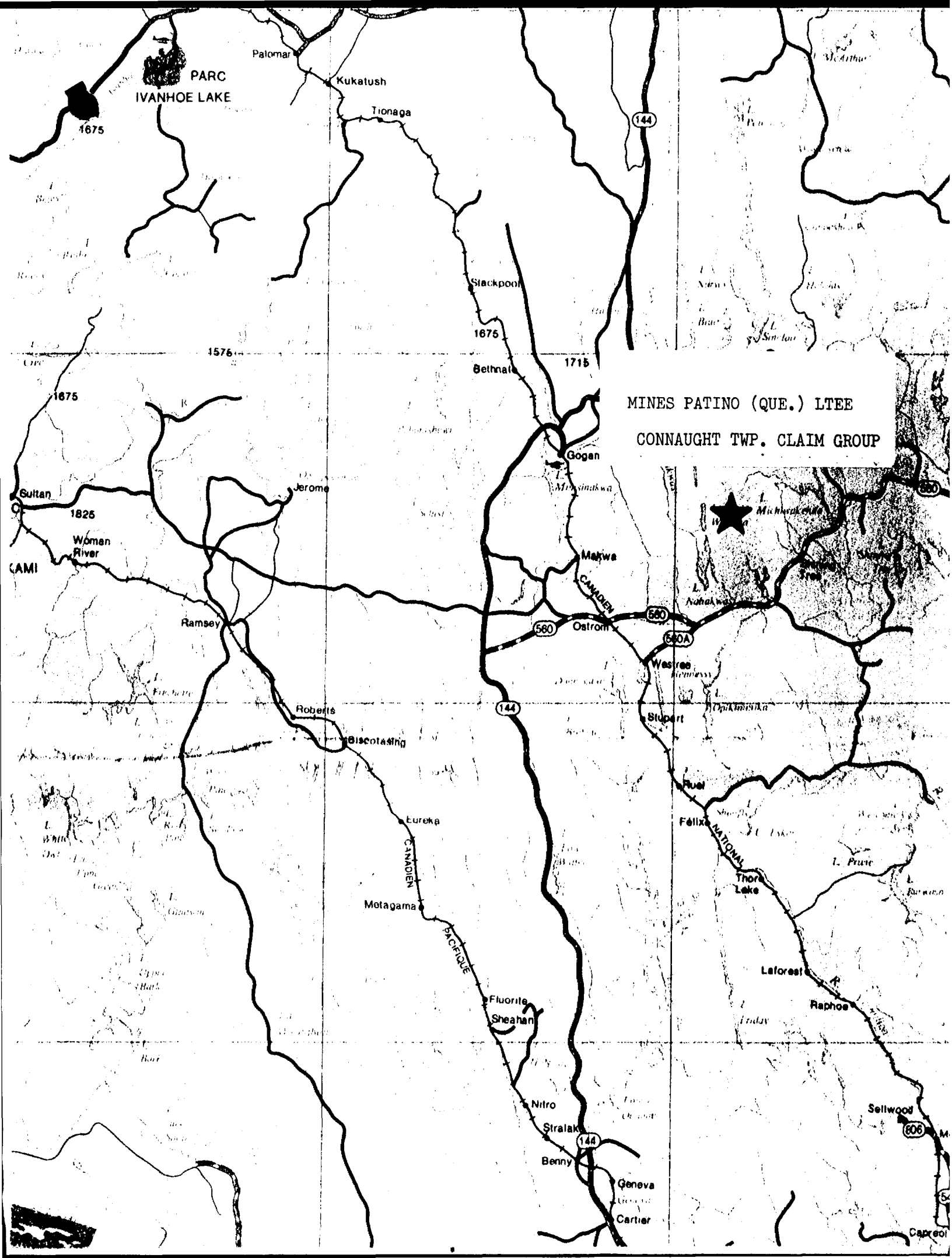
\$ 2,800.00

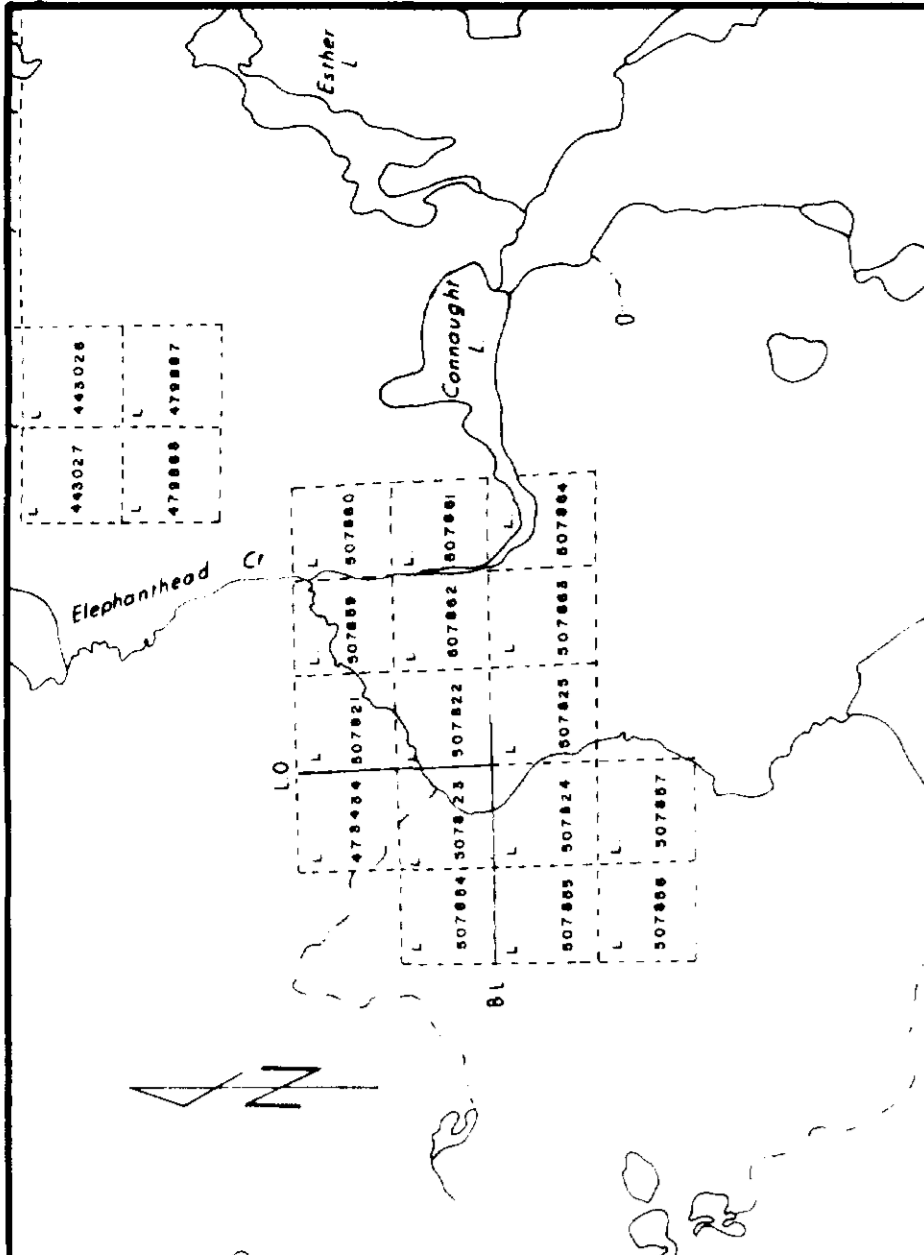
E. Chartré: 

Oct. 27, 1980.

PARC
IVANHOE LAKE

MINES PATINO (QUE.) LTEE
CONNAUGHT TWP. CLAIM GROUP



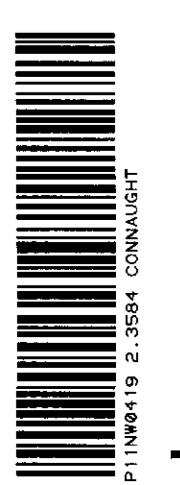
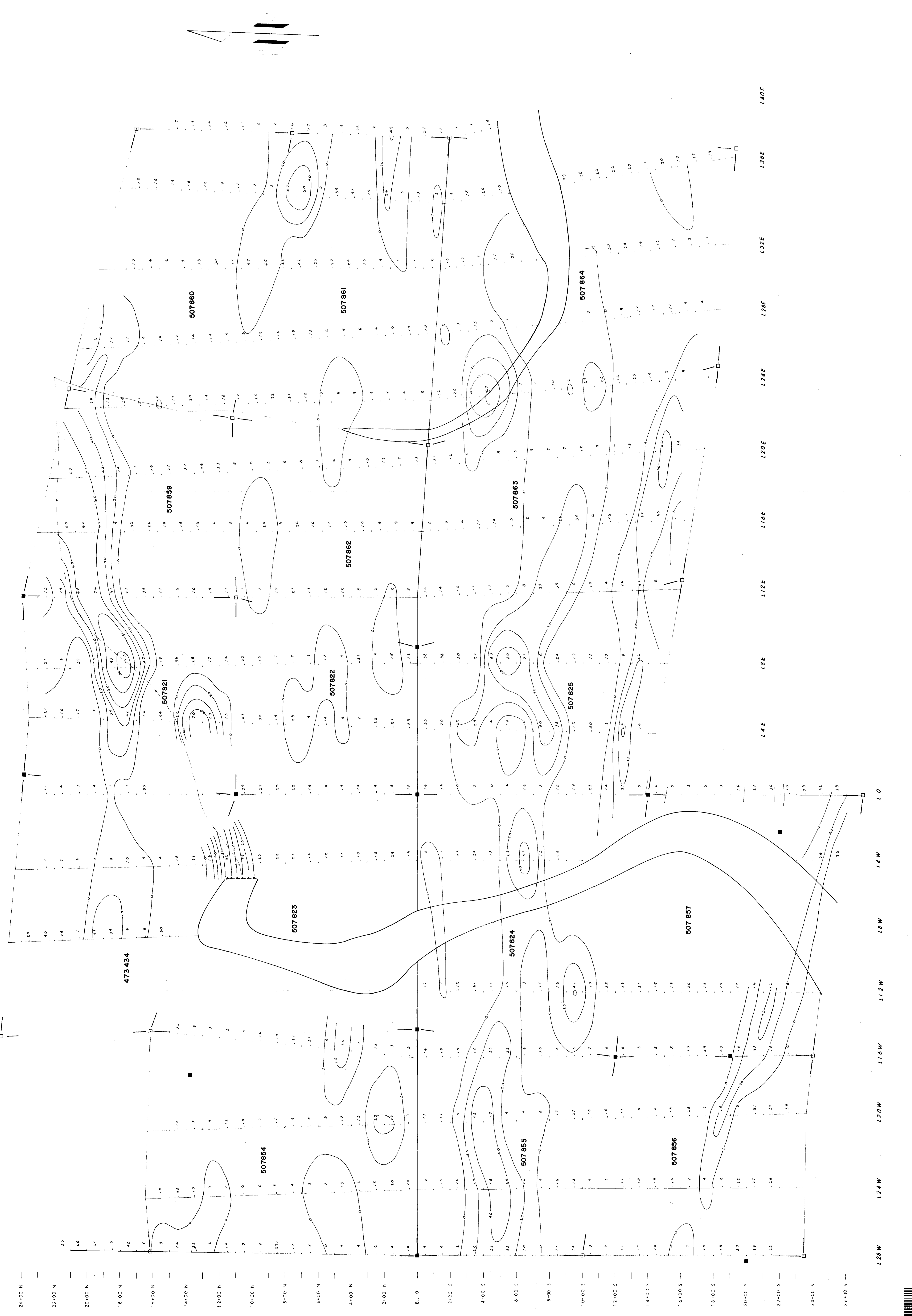


LOCATION PLAN
OF
CONNAUGHT TWP PROPERTY

ELECTROMAGNETIC SURVEY
FOR
MINES PATINO (QUE.) LTEE.

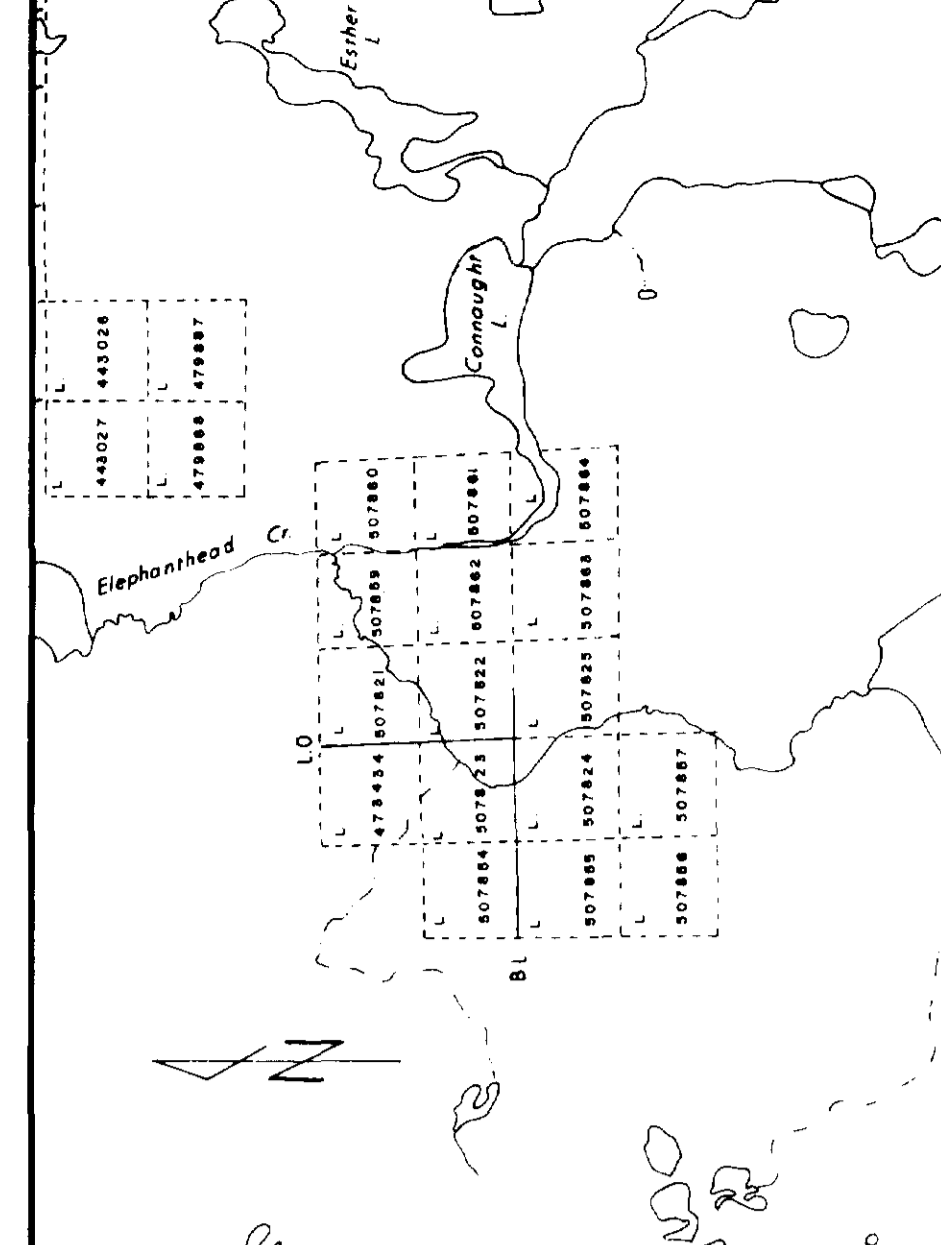
PROJECT:
SURVEYED BY: E.C.
DRAWN BY: R.C.
INSTRUMENT:
E.M. 16
TWP. CONNAUGHT

DATE: SEPT. 80
SCALE: 1"=200'
ENGR.
SERVICES EXPLORATION SERVICES
REGD.



E200

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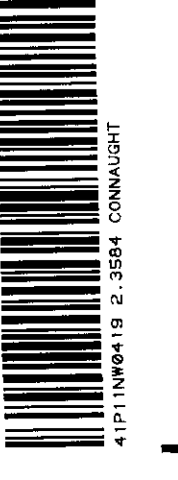
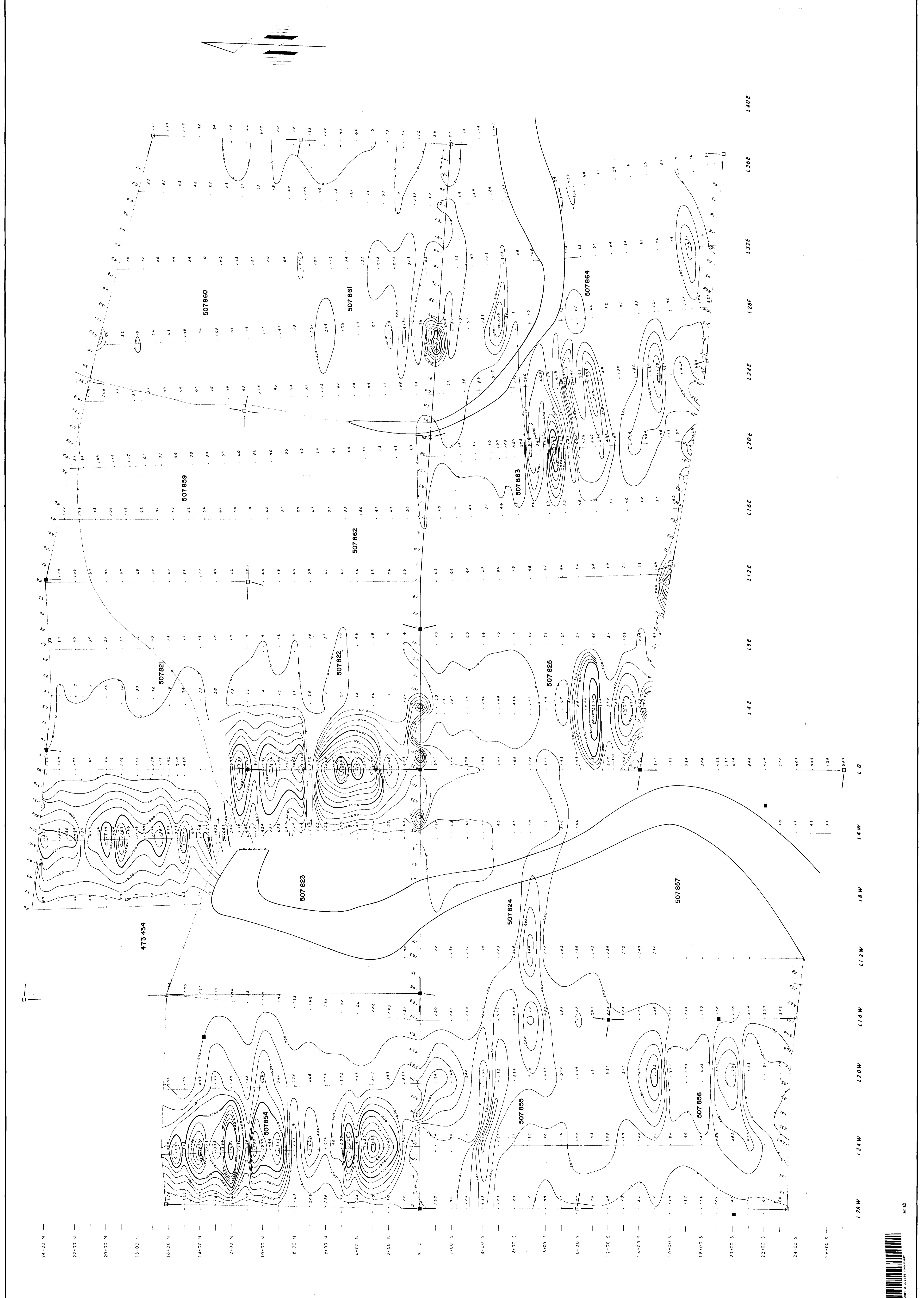


LOCATION PLAN
OF
CONNAUGHT TWP PROPERTY

MAGNETOMETER SURVEY
FOR
MINES PATINO (QUE.) LTEE

PROJECT:
SURVEYED BY: G. LAMOTHE
DRAWN BY: R.C.
INSTRUMENT:
Geometrics G-816
TWP. CONNAUGHT

DATE: SEPT. 80
SCALE: 1"=200'
ENGINEERING REGD.



P10