2.3880

SERVICES EXPLORATION SERVICES Enrg. Reg'd

TELEPHONE: (819) 762-5498

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

MINES PATINO (QUE.) LTEE

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

SEAGER LAKE CLAIM GROUP

February 1981

I.P.

I - INTRODUCTION: Geophysical surveys were undertaken on the SEAGER LAKE CLAIM GROUP of Mines Patino Qué. Ltée during the month of December,1980,within the framework of an extensive exploration programme.

II - PROPERTY: The property consists of 6 contiguous claims of approximately 40 acres each numbered as follows:

L 531428,L531429,L531430,L531431,L531432 & L 578737

III - LOCATION & ACCESSIBILITY:

The said claim group is located in the east-central part of ASQUITH TWP.,Ont. bordering Fawcett Twp. at an approximate distance of 3 miles southeast of the town of Shiningtree,Ont.

IV - GEOPHYSICAL SURVEYS:

The surveys were carried out on a previously cut grid whose 3,600' long base line strikes in an east-west direction;cross lines occur at every 400' intervals and extend northwards to a maximum distance of 1,800' and southwards to a maximum distance of 2,500'.Thus, a total of 7.4 line miles have been cut and surveyed.

Magnetometer Survey:

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

Numerous narrow and short magnetic anomalies occur throughout the surveyed area;the alignment of the long axis of the anomalies may infer east-west trending stratigraphic horizons,this pattern appears to be altered by the presence of north-south trending diabase dykes.

Electromagnetic Survey:

A GEONICS E.M. - 16 electromagnetic unit was used for the survey;readings were taken at every 100' intervals and filtered using the "Fraser Method".

A long anomaly stretches across the grid area south of the base line in an east-west direction and is coincident,for the most part,with the local stream;this stream may reflect the presence of a shear zone.

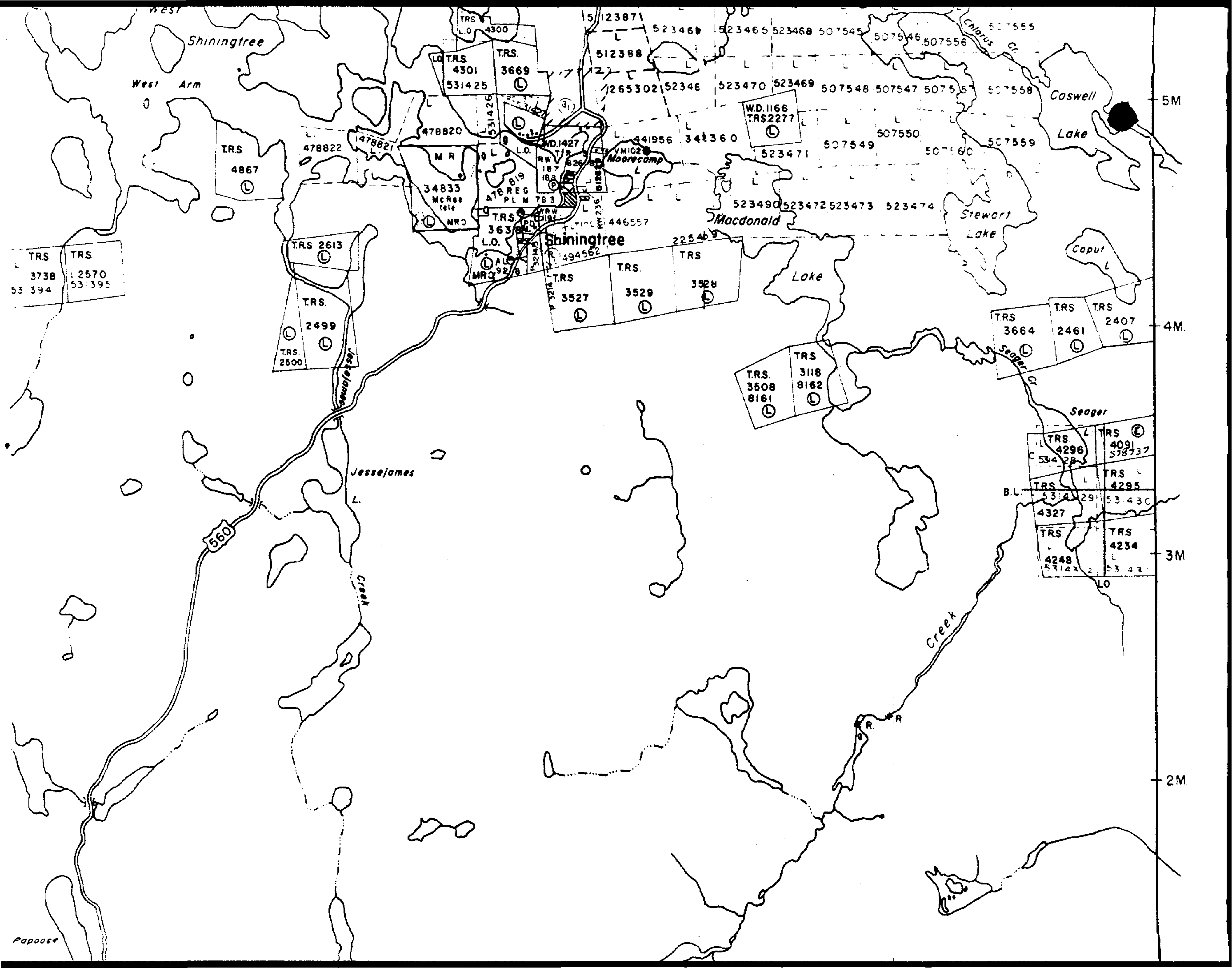
Other anomalies do occur,they may be caused by topography such as the one which is coincident with Seager lake.

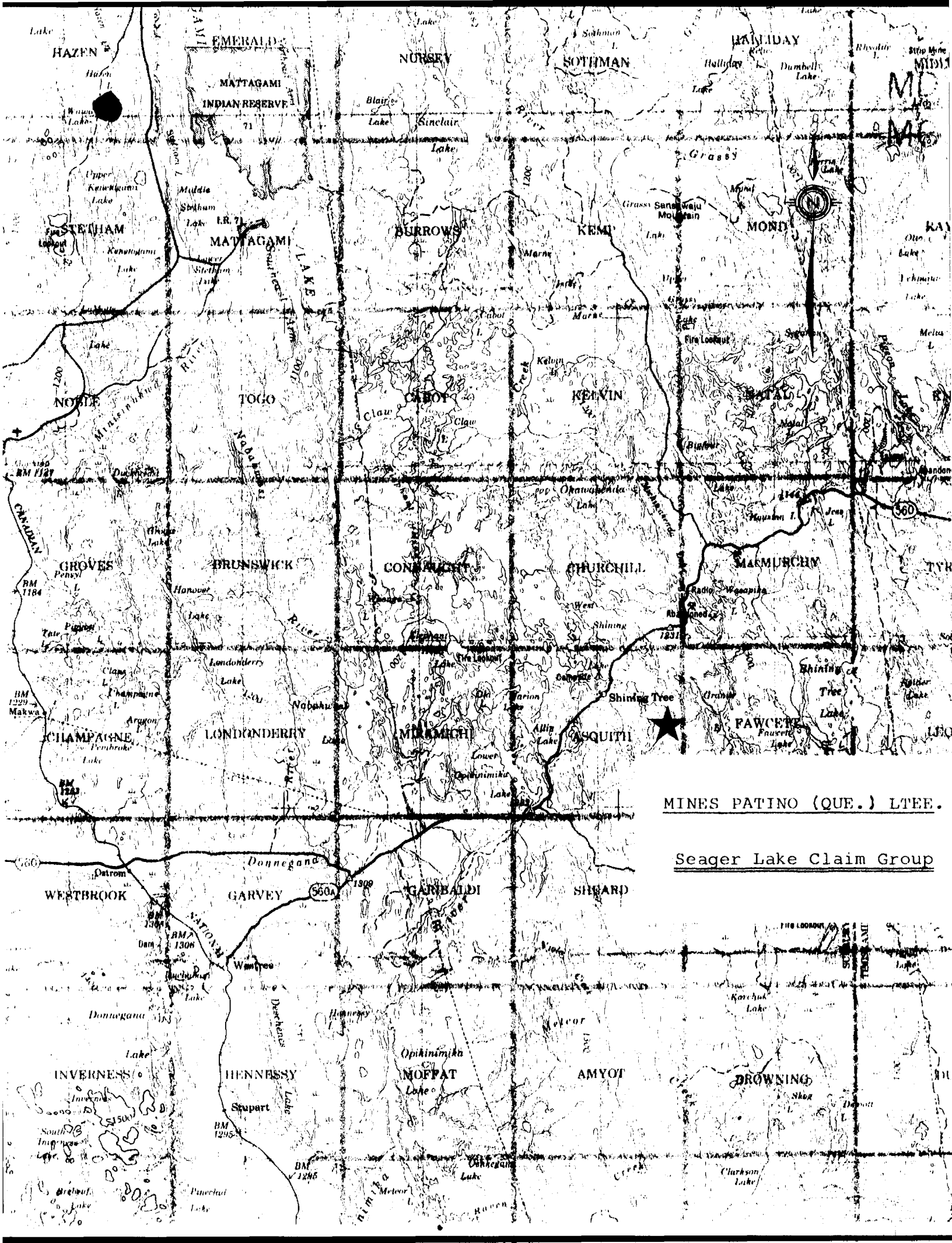
V - CONCLUSIONS & RECOMMENDATIONS:

The geophysical data obtained may be used as a guide to the interpretation of the local structure;however a geological survey is a prerequisite to any valid interpretation of the stratigraphy and structure.

Respectfully submitted:

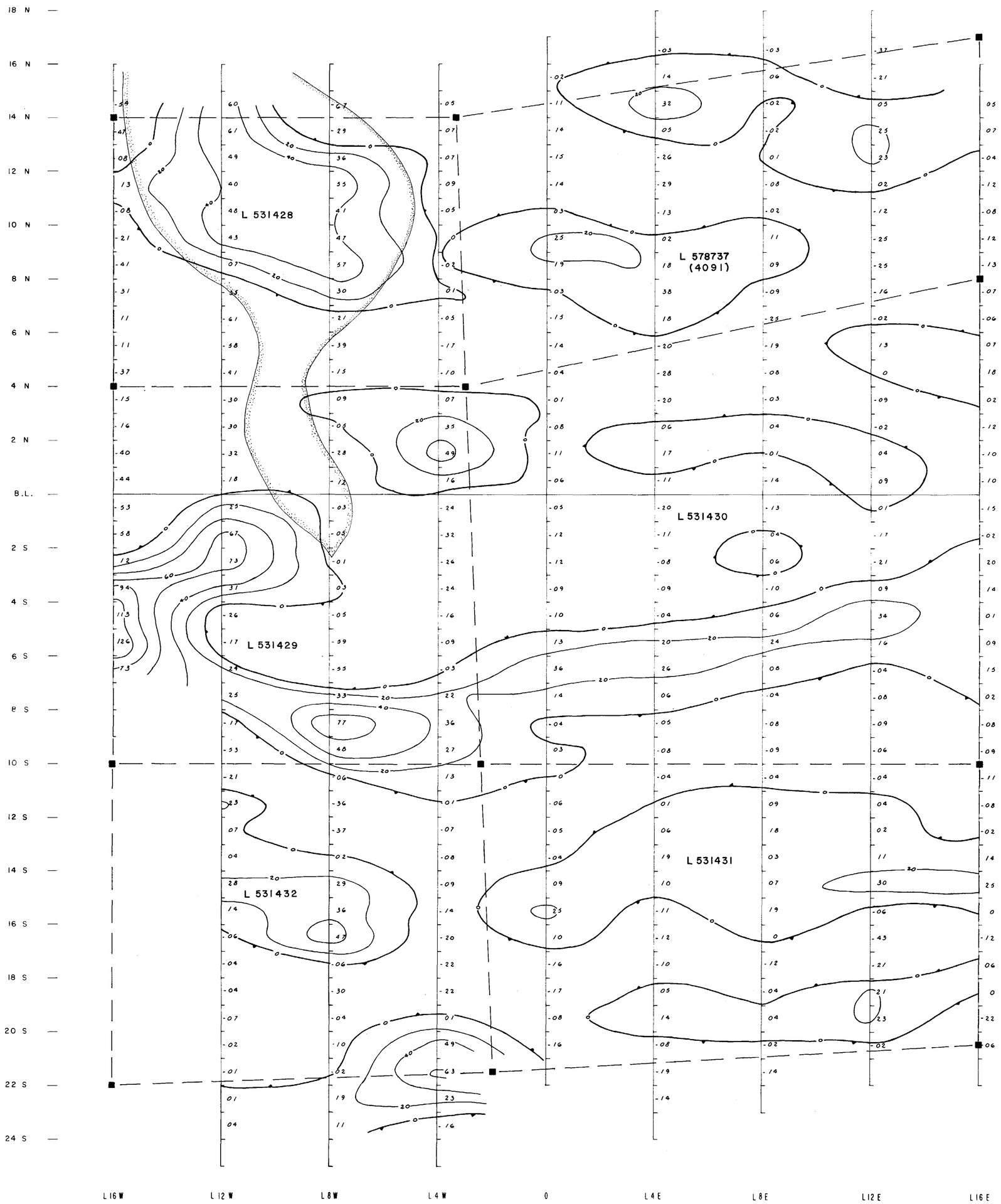
E. Chartr.: _____ February 15,1981.

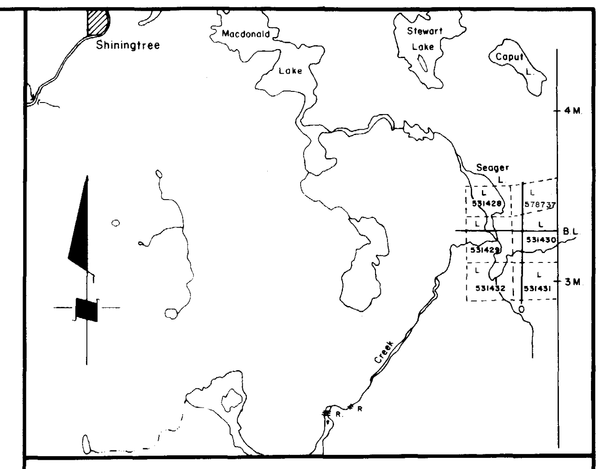

West
Shiningtree
West Arm
T.R.S. 4867
478822
478821
478820
M R
34833
McRae Isle
MRO
T.R.S. 4301
531425
T.R.S. 3669
TRS L.O 4300
531426
W.D. 1427
L.O.
RW 187 188
478 819 REG PL M 783
T.R.S. 3638
Shiningtree
494562
446557
VM102
Moorecamp L.
441956
341360
512387
512388
523461
523465
523468
507545
507546
507556
507555
Chlorus Cr.
512653
02
52346
523470
523469
507548
507547
507558
Caswell Lake
W.D. 1166 TRS 2277
507549
507550
507560
507559
523471
523490
523472
523473
523474
Macdonald
Lake
Stewart Lake
Caput L.
22546
T.R.S 3527
T.R.S. 3529
T.R.S 3528
TRS 3738
53 394
TRS 2570
53 395
T.R.S 2613
T.R.S. 2499
T.R.S. 2500
Jessejames
Jessejames L.
Creek
560
T.R.S. 3508 8161
T.R.S 3118 8162
T.R.S 3664
T.R.S 2461
T.R.S 2407
Seager Cr.
Seager
T.R.S. 4296
TRS 4091
578737
T.R.S 4295
B.L.
TRS 4327
T.R.S 4248
T.R.S 4234
LO
Creek
R.
R
5M
4M.
3M
2M.
Papoose



MINES PATINO (QUE.) LTEE.

Seager Lake Claim Group





INDEX MAP

Scale 1" = 2640'

ELECTROMAGNETIC SURVEY

FOR

MINES PATINO (QUE) LTEE

FRASER FILTER

PROJECT SEAGER LAKE

SURVEYED BY L.D. DATE DEC. 80

Instrument: EM 16 178 KHz

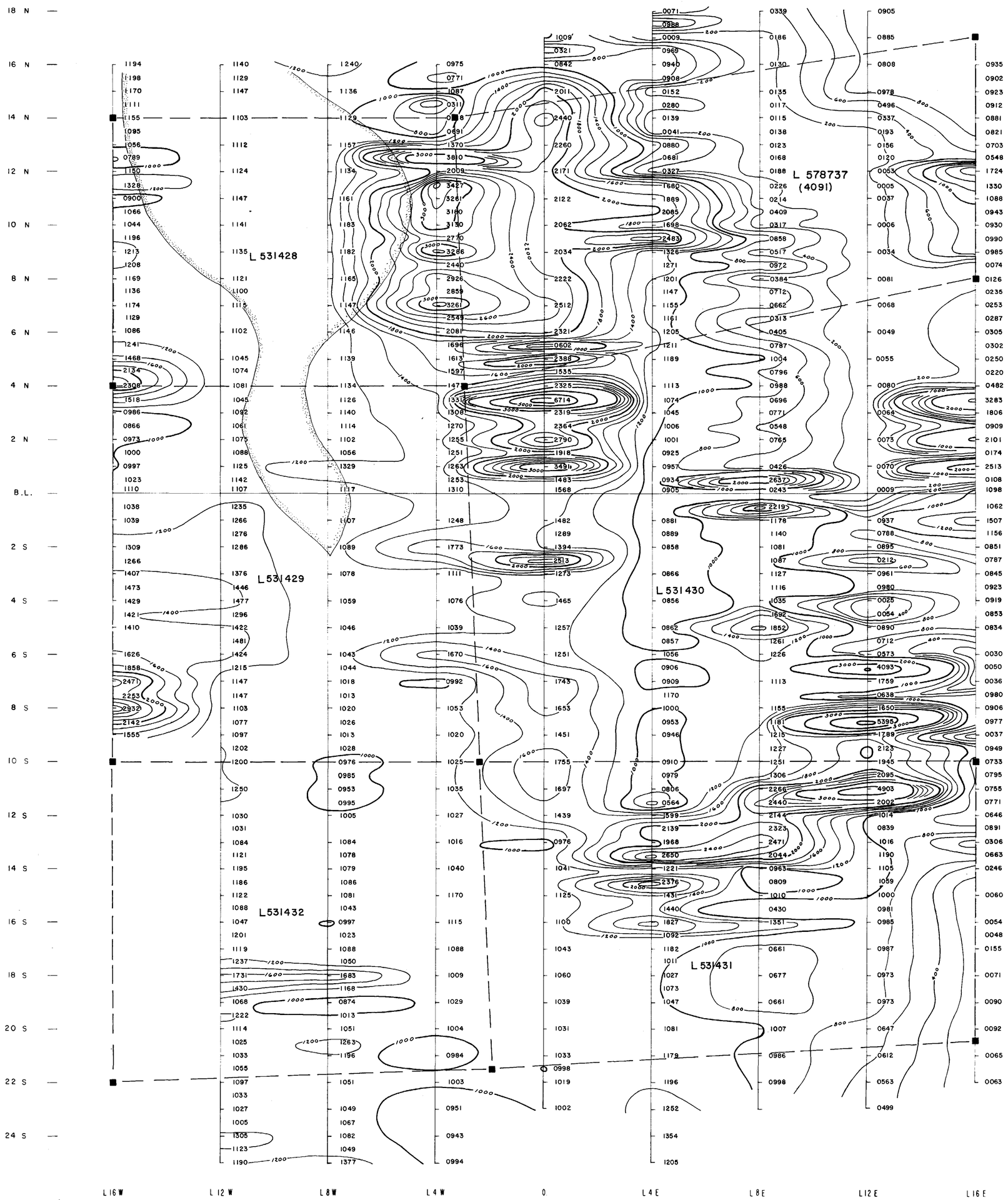
DRAWN BY R.C. SCALE 1"=200'

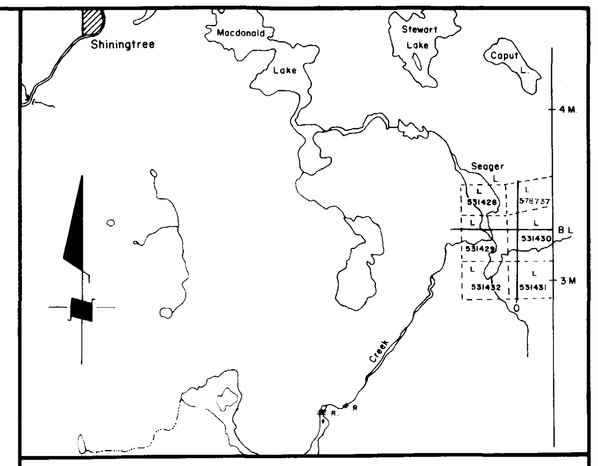
TWP Asquith

SERVICES EXPLORATION SERVICES ENRG REGD

2 3880

200





INDEX MAP

Scale 1" = 2640'

All readings in range of 58 000 gammas

MAGNETOMETER SURVEY

FOR

MINES PATINO (QUE) LTEE.

PROJECT SEAGER LAKE

SURVEYED BY L.C. DATE DEC. 80

Instrument: Geometrics G 816

DRAWN BY R.C. SCALE 1"=200

SERVICES EXPLORATION SERVICES ENRG REGD

TWP ASQUITH

L-578737

2 3880