

RE



31M045W0044 2.892 STRATHCONA

010

JUN

PROJECTS
SECTION

May 31, 1972

ROYAL MINING CORP. N.P.L.
STRATHCONA TOWNSHIP
DISTRICT OF NIPISSING, ONTARIO

ASSESSMENT WORK 1972

Summary

This report deals with a magnetometer survey done over 18 claims belonging to Royal Mining Corporation in Strathcona Township. The work was done in the period from January to May of 1972.

Previous Work

Previous reports available show that part of the ground included in this survey was subject to investigation in 1955 and 1968-69. The work done in 1955 consisted of E.M., Resistivity and Magnetometer surveys by Geotechnical Development Co. of Toronto over nine claims in the vicinity of Maille Lake. A number of sulphide showings were uncovered in the vicinity of the lake and 5 short diamond drill holes were put down under these. Assays of the sulphides in the test pits and diamond drill cores indicated up to 0.5% copper with minor nickel and zinc. Trenches on the surface showings indicated widths of 5-6 feet of disseminated pyrrhotite with chalcopyrite.

The exploration work done in 1968-69 consisted of a magnetometer survey and geological mapping on a portion of the present claim group. Results of this work are contained in the report by B.W. Checkak for L. Savard and Vinnie Mines.

Present Work

The present magnetometer survey covers 16 claims completely and claims 291340 and 291341 partly. These latter two claims together with claims 298528 and 298529 extend over Lowell Lake. None of the lake was covered by the present magnetometer survey.

The survey, conducted by Scintrex Ltd. of Concord, Ontario indicates the presence of a number of narrow probably short magnetic disturbances on the property. The area south and east of Maille Lake from line 0.0 to line 16E contains a number of these magnetic anomalies, with an occasional anomaly scattered over the rest of the area.

Most of the anomalies appear to be in the area of volcanics exposed between the granite to the west of Maille Lake and the sedimentary formations which

overlie the volcanics to the east.

The amplitude of the magnetic fluctuations becomes smoothed out where the sedimentary formations are thick. The magnetic anomalies which have shown up in the Scintrex survey may be connected with the sulphides present but are more influenced by magnetite in the volcanics. The sulphides are not considered capable of producing such violent fluctuations.

Field work in the coming summer season will consist of attempting to relate these magnetic anomalies to the mineralization in the ground and determining the usefulness of further geophysical work.

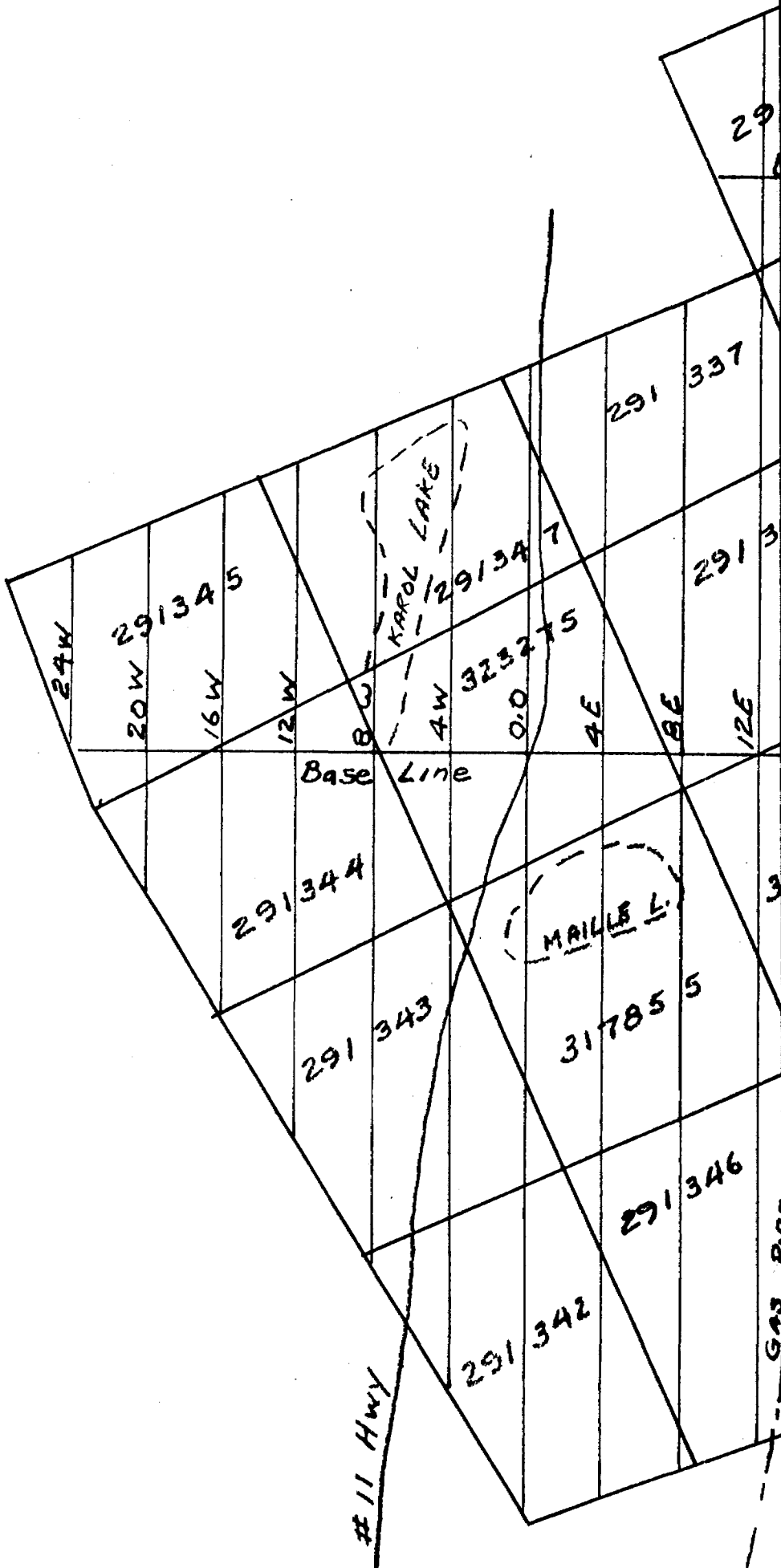
A copy of the magnetometer report by Scintrex is appended.

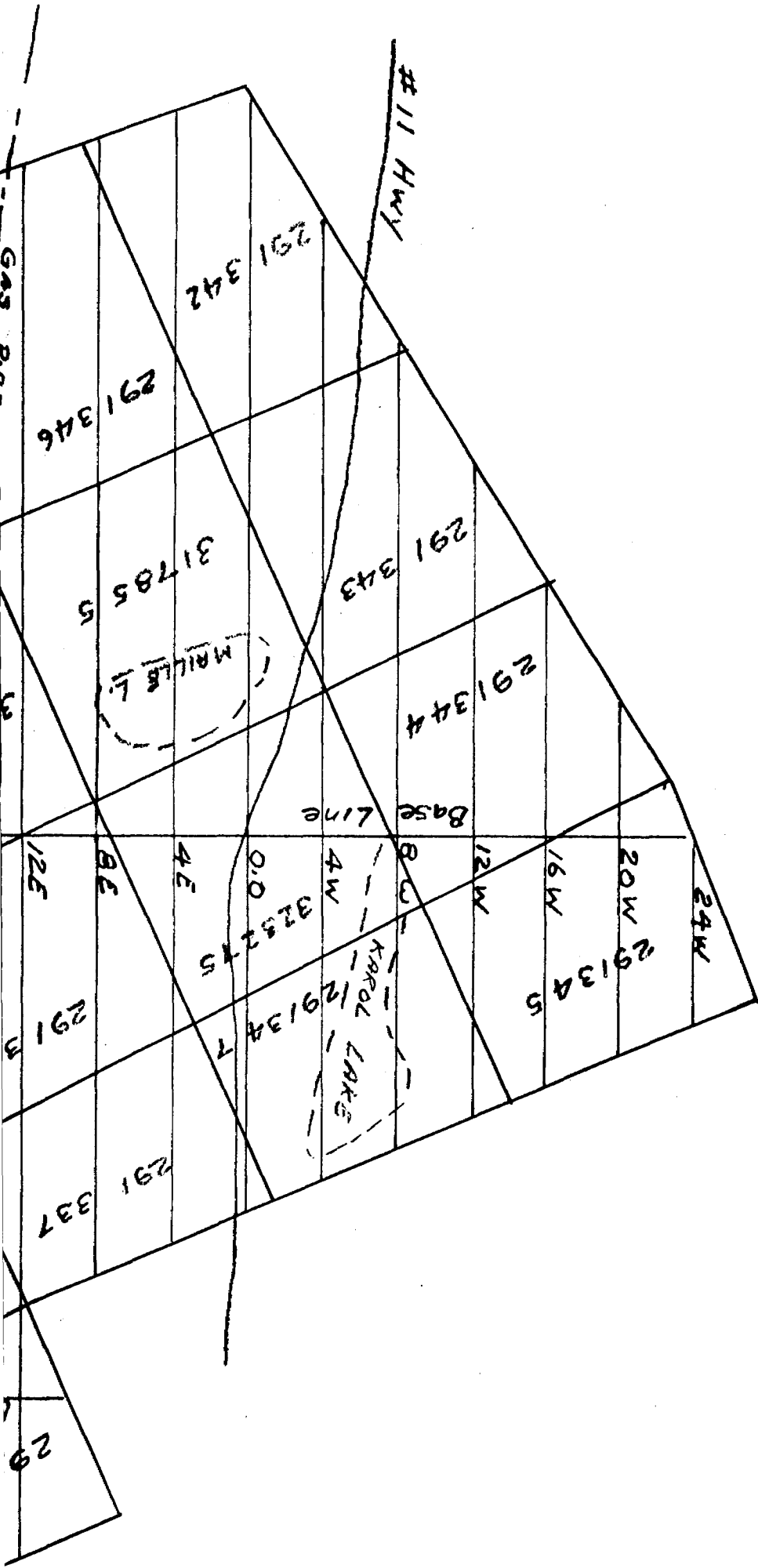
Respectfully Submitted

Trojan Geological Services

T. Heale P. Eng.









31M045W0044 2.892 STRATHCONA

GEOPHYSICAL - GEOLOGIC TECHNICAL DATA STATEMENT

900

RECEIVED

JUN 8 1972

PROJECTS
SECTION

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 Magnetometer
 Township or Area STRATHCONA Township
 Claim holder(s) Thomas C.H. Baldwin
 Author of Report T. Heale P. Eng.
 Address 6 Charles St E. Toronto 5
 Covering Dates of Survey January 13 to May 5th 1972
 (linecutting to office)
 Total Miles of Line cut 15

MINING CLAIMS TRAVERSED List numerically

(prefix)	(number)
L	323275
L	317855
L	317856
L	291336
L	291337
L	291338
L	291339
L	291340
L	291341
L	291342
L	291343
L	291344
L	291345
L	291346
L	291347
L	291348
L	291349
L	291350
L	298528 & 29 not covered
No Credits	
1/2 covered claims / 20 days	
Others 40 days each	
TOTAL CLAIMS <u>18</u>	

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 40
 --Radiometric _____
 --Other _____
 Geological _____
 Geochemical _____

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

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: May 25/72 SIGNATURE: T. Heale
Author of Report

PROJECTS SECTION

Res. Geol. _____ Qualifications 63.2411

Previous Surveys 63.2520 mag different instruments
done in May 1969 63.2830 Geological

Checked by _____ date _____

GEOLOGICAL BRANCH _____

Approved by _____ date _____

GEOLOGICAL BRANCH _____

Approved by _____ date _____

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS

Number of Stations 780 Number of Readings 1400
Station interval 100' with many in between as required.
Line spacing 400'
Profile scale or Contour intervals Logarithmic profile, could not be contoured.
(specify for each type of survey)

MAGNETIC

Instrument Scintrex MF2 Fluxgate Magnetometer
Accuracy - Scale constant Most sensitive scale 200/dia. or 1000 d / full scale
Diurnal correction method linearly for changes obtained at base station every 2 hrs approx
Base station location Base Line 4 West #1 station.

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 _____
Time domain _____ Frequency domain _____
Frequency _____ Range _____
Power _____
Electrode array _____
Electrode spacing _____
Type of electrode _____

M.595
202 M

STRATHCONA TWP.

M.595
202 M

THE TOWNSHIP OF
OF
STRATHCONA
DISTRICT OF
NIPISSING
LARDER LAKE
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' Surface Rights Reservation around all Lakes and Rivers.

Sand and gravel in this Township reserved until further notice.

For status of Island in this Twp. and summer resort locations shown thus: please contact Dept. of Lands & Forests.

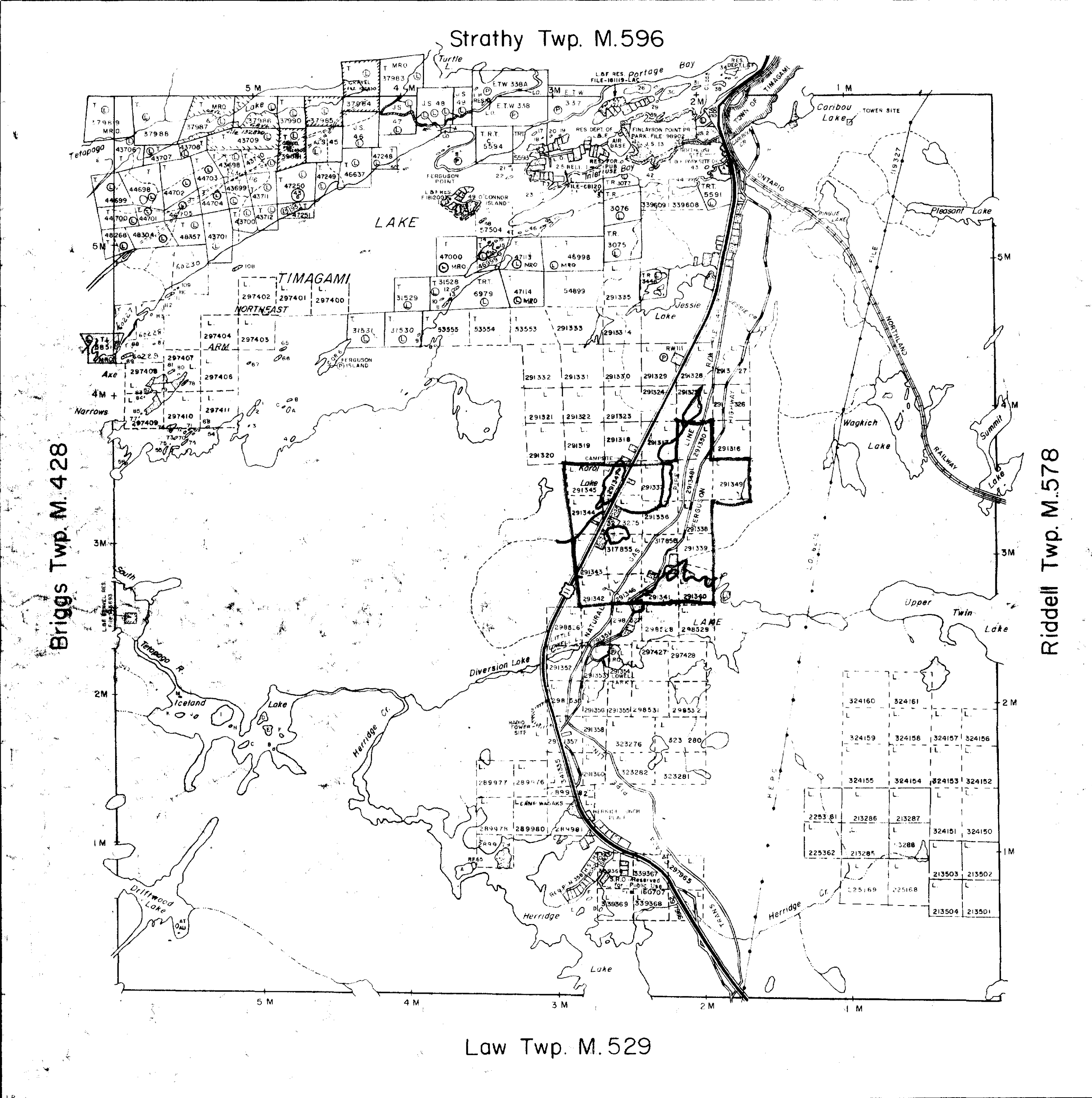
Islands in Lake Timagami Not Open for Staking.

Areas withdrawn from staking under Section 43 of the Mining Act.

File	Date	S.R.O.
43	94351 vol 3	MAR 13, 72

PLAN NO. **M.595**

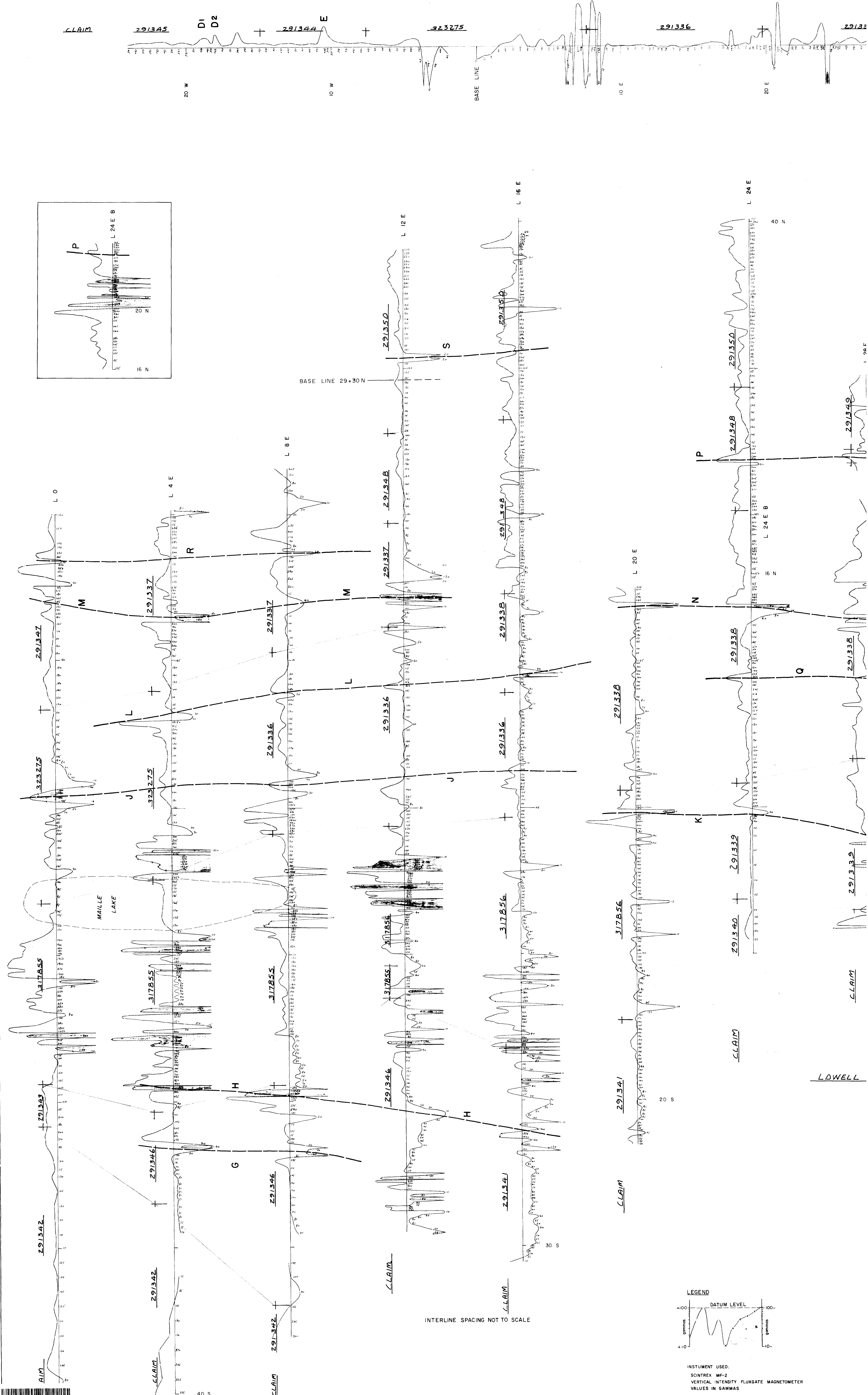
**ONTARIO
DEPARTMENT OF MINES
AND NORTHERN AFFAIRS**



2.892

TRIM LINE





CLAIM

291345

D1
D2

291344

E

223275

291336

29133

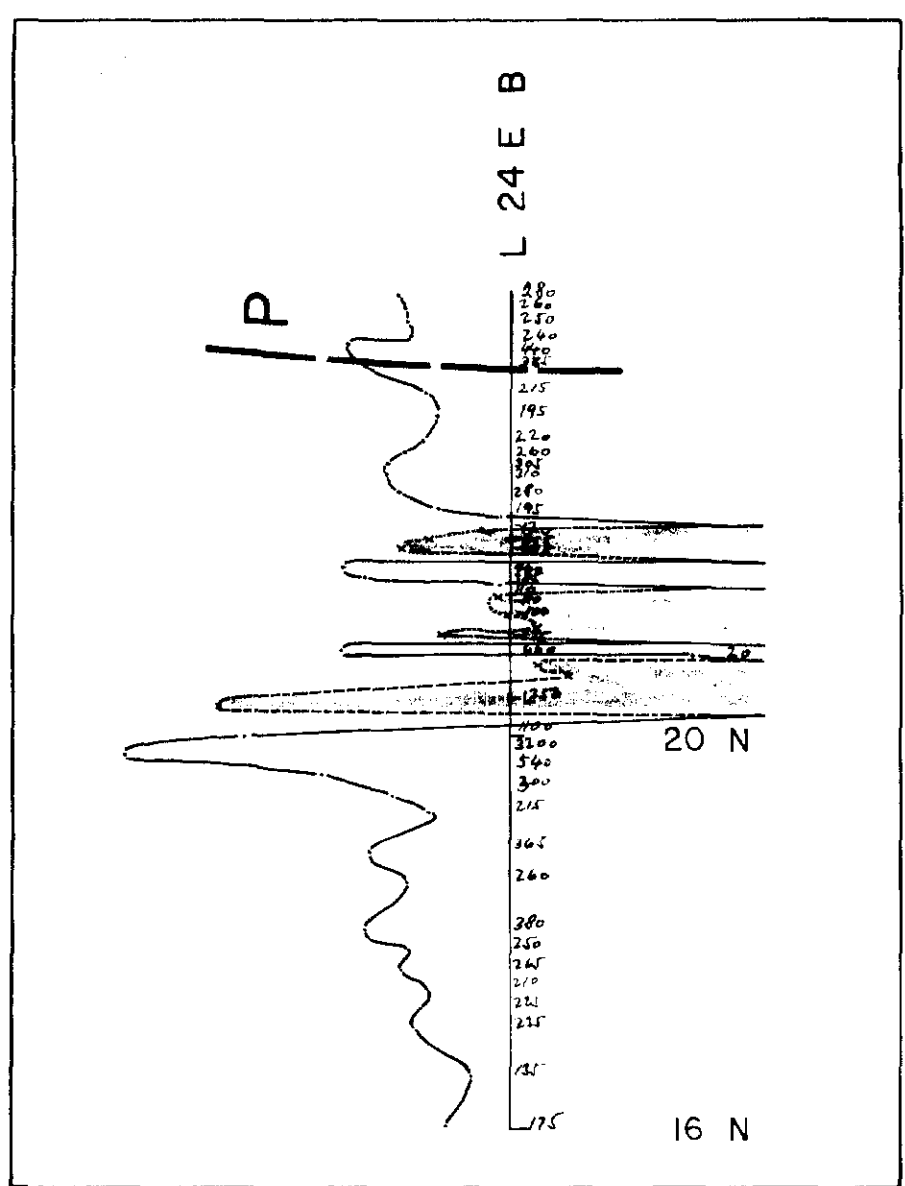
20 W

10 W

BASE LINE

10 E

20 E



BASE LINE 29+30 N

L 12 E

291350

S

291350

L 16 E

P

291348

291350

L 24 E

40 N

291349

29 F

291347

L 0

M

291337

L 4 E

R

291337

L 8 E

M

291348

291337

L 12 E

291348

291338

L 16 E

L 20 E

N

291338

L 24 E B

16 N

291338

223275

L 0

J

223275

L 4 E

R

291336

L 8 E

M

291348

291337

L 12 E

291348

291336

L 16 E

L 20 E

N

291338

L 24 E B

16 N

291338

317855

L 0

J

317855

L 4 E

R

317855

L 8 E

M

291348

291337

L 12 E

291348

317856

L 16 E

L 20 E

N

291338

L 24 E B

16 N

291338

291343

L 0

J

291346

L 4 E

R

291346

L 8 E

M

291348

291337

L 12 E

291348

317856

L 16 E

L 20 E

N

291338

L 24 E B

16 N

291338

291342

L 0

J

291342

L 4 E

R

291342

L 8 E

M

291348

291337

L 12 E

291348

291341

L 16 E

L 20 E

N

291338

L 24 E B

16 N

291338

AIM

CLAIM

40 S

CLAIM

CLAIM

CLAIM

CLAIM

20 S

CLAIM

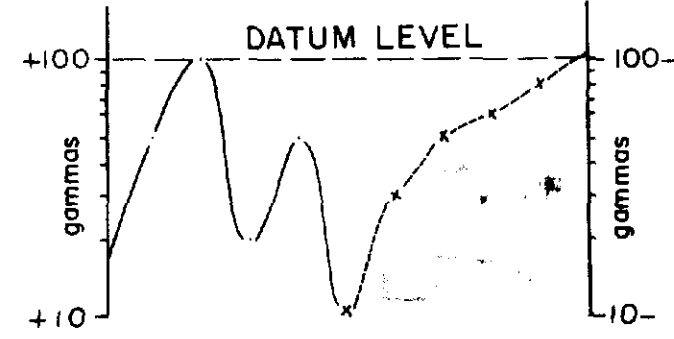
291340

291339

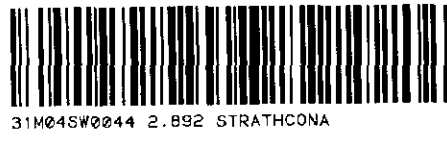
CLAIM

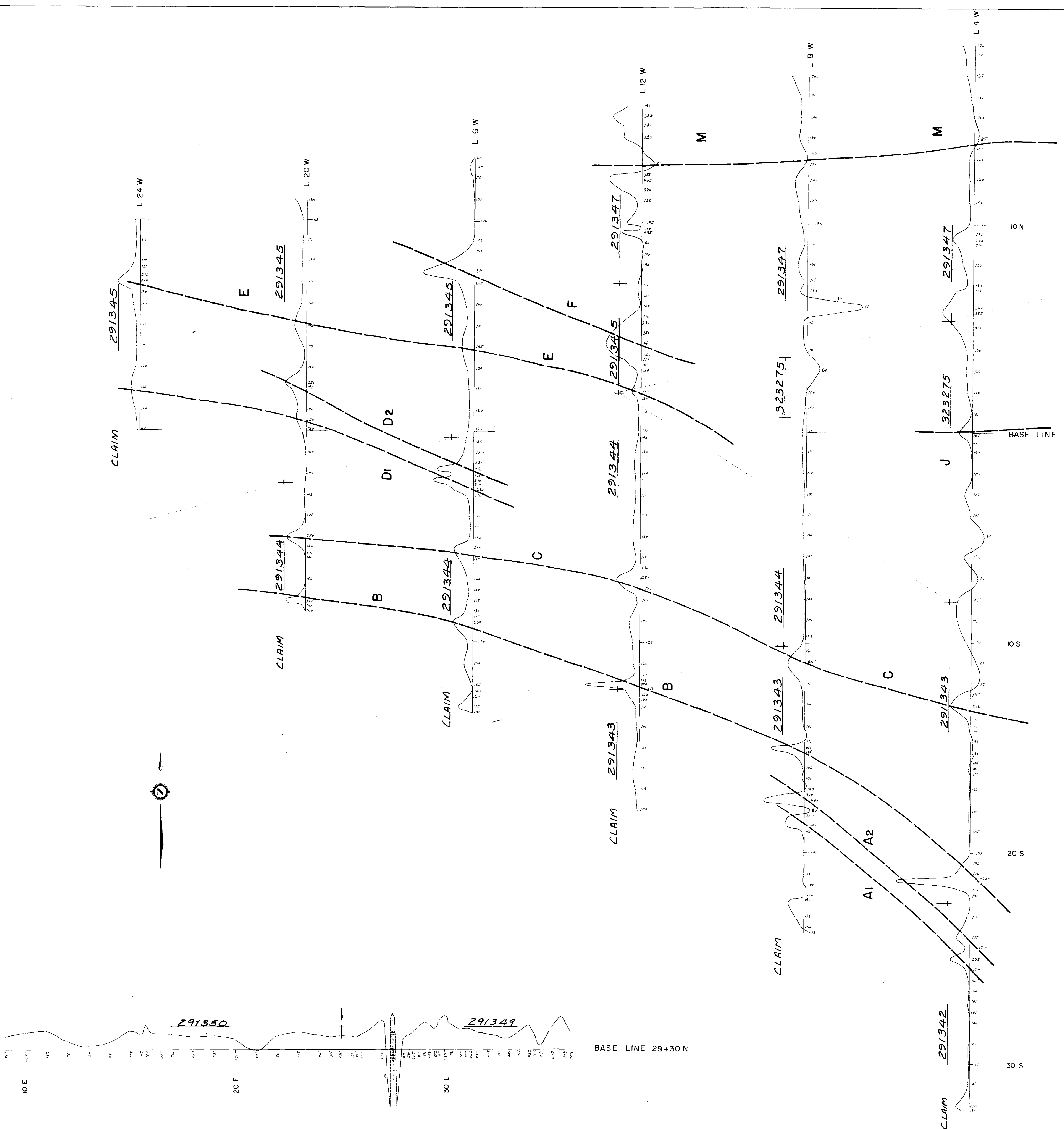
LOWELL

LEGEND

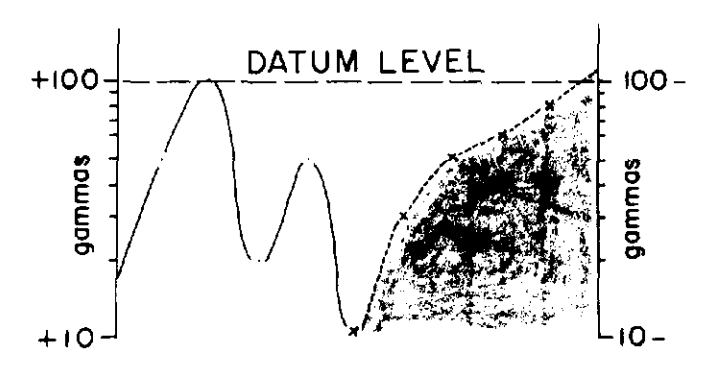


INSTRUMENT USED:
SCINTREX MF-2
VERTICAL INTENSITY FLUXGATE MAGNETOMETER
VALUES IN GAMMAS





LEGEND

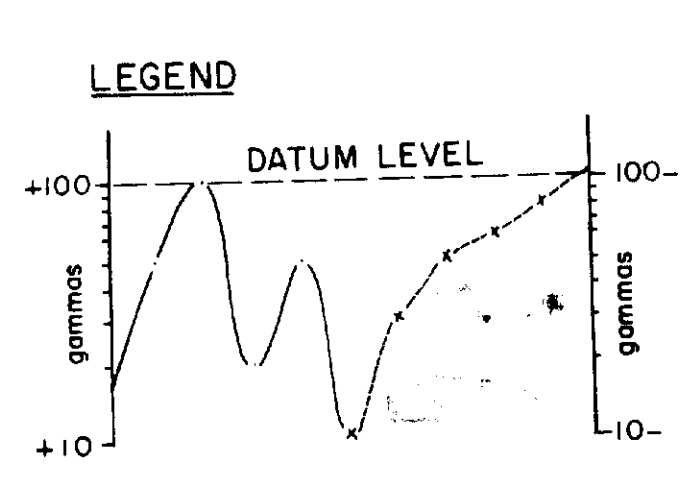
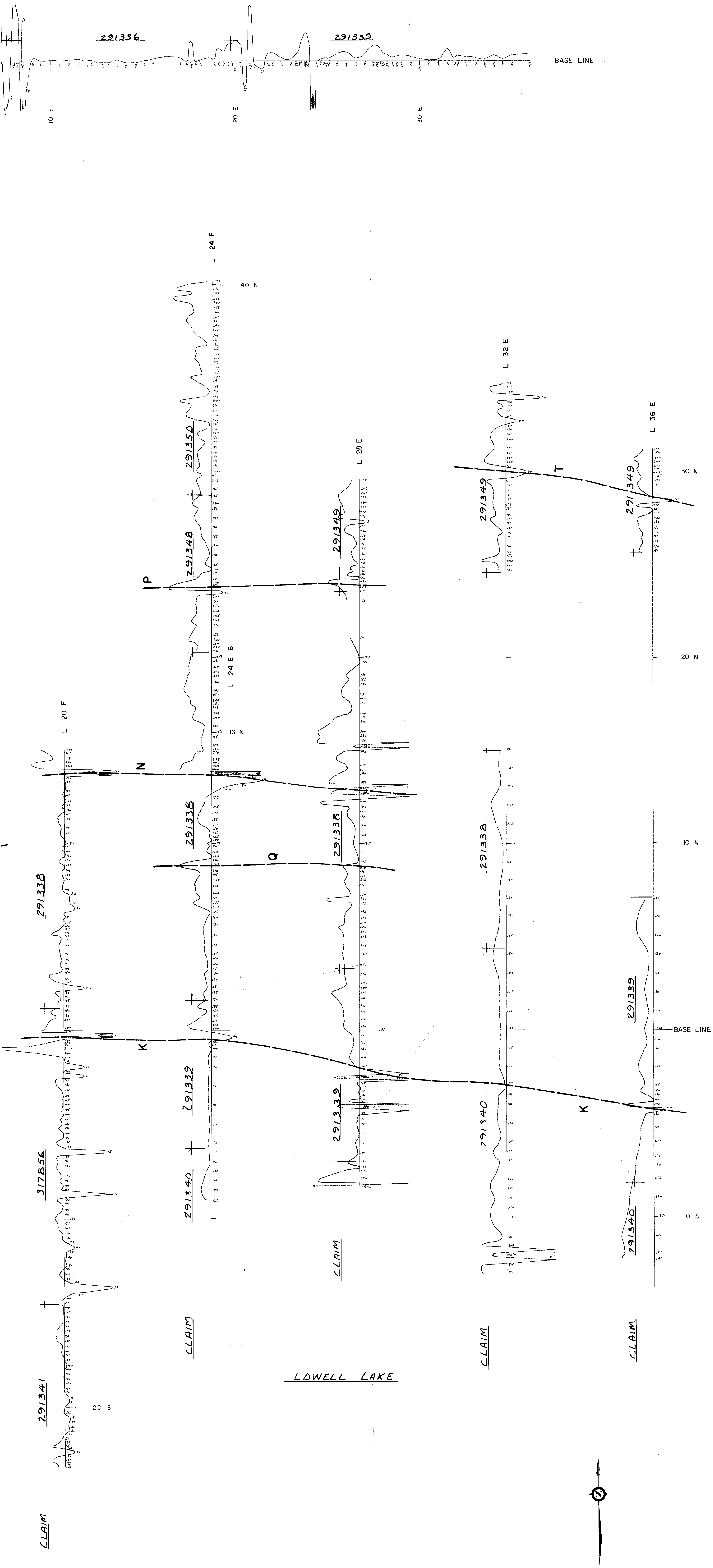


INTERLINE SPACING NOT TO SCALE

INSTUMENT USED:
SCINTREX MF-2
VERTICAL INTENSITY FLUXGATE MAGNETOMETER
VALUES IN GAMMAS

ROYAL MINING CORPORATION	
STRATHCONA TWP, TEMAGAMI, ONTARIO	
GROUND MAGNETOMETER SURVEY	
SCALE 200 0 200 400 600 800 FEET	
SURVEY BY: SEIGEL ASSOCIATES LIMITED APRIL, 1972	PLATE 2





INSTRUMENT USED:
 SCINTREX MF-2
 VERTICAL INTENSITY FLUXGATE MAGNETOMETER
 VALUES IN GAMMAS

ROYAL MINING CORPORATION	
STRATHCONA TWP, TEMAGAMI, ONTARIO	
GROUND MAGNETOMETER SURVEY	
SCALE 0 200 400 600 800 FEET	
SURVEY BY: SEIGEL ASSOCIATES LIMITED APRIL, 1972	PLATE I

2.892