

2,3390



42A01SE0032 2.3390 TECK

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Assessment Report

Proton Magnetometer Survey

Group 11 Dymant-Midston Claims

Teck Township, Larder Lake Mining Division

Teck Township

July 3, 1980

L. M. Dymant

SUMMARY

The original 3 claims of the group were staked in Dec. 1977. During the summer of 1978 general prosspecting and sampling was done, also during this period flag and compass lines were put in. A VLF-EM and Magnetometer survey was done and can be found in the Assessment files. Three mor claims were added to the group in 1979 and two in 1980. The entire group is now covered with a proper grid and a radiometrics survey has been handed in for the original three claims.

INTRODUCTION

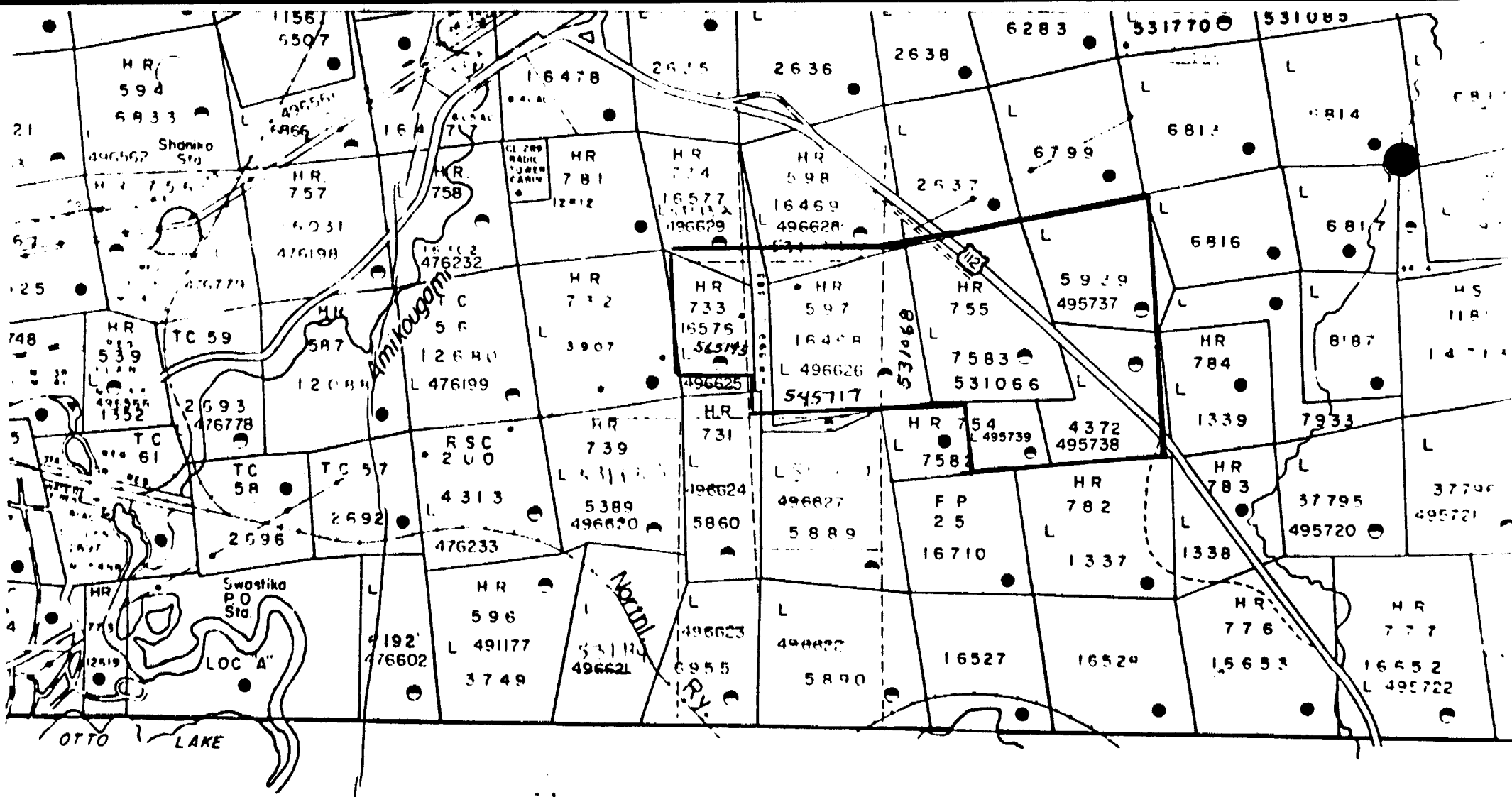
This report is to cover claims 565145, 545717, 531068, and 531066. The original three claims (495737, 738, 739) were redone at the same time to give the survey continuity. It was found necessary to change direction of the grid lines, half way through the survey to best cover geological features found during the survey.

LOCATION AND ACCESS

The claim group is located near the southeast corner of Teck Twp. (NTS 42 A/1), approximately 2 miles due south of the town of Kirkland Lake. Access to the claim group is excellent as Hwy. 1112 passes through the group.

PREVIOUS WORK

A search of the Kirkland Lake District Geologists's assessment files failed to locate any work filed on these claims.



Ötto Twp. M.379



Grenfell Twp

Lebel Twp

1977

Belmore Twp

Ohio Twp

Greenup #1

SURVEY METHOD

A Barringer GM-122 Proton Magnetometer was the instrument used on the survey. A base station was established as shown on the map accompanying this report. A check was made at this station of no longer than two hour intervals for diurnal drift variations and also the loop system was used as a double check between lines.

SURVEY RESULTS

The contoured field data are plotted on the map accompanying this report. Two interesting features were noted from the survey.

- (1) The high magnetic noted on the North Central part of claim 531066 although drift covered is suspected to be amphibolite or pyroxenite along the contact of the syenite and volcanics.
- (2) The North-South magnetic trend found on lines 6W and 8W is a high grade Iron Formation averaging 10 feet across with areas up to 25 feet, were it as been feasible to uncover by hand. It is a continuation of the Iron formation found previously that was trending East-West across the property and now contains the three facie of Oxide, Sulphide and Carbonate.

It should be noted here that the Proton Mag. as a mapping tool has its limitations when faced with a high grade Iron formation. Although it certainly delineated the structure, a more conventional magnetometer will be required to accurately pinpoint it.

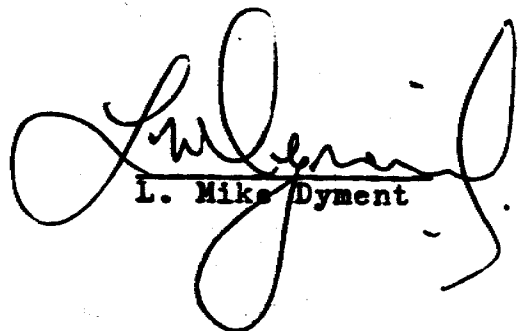
CONCLUSIONS AND RECOMMENDATIONS

The Iron Formation trending across the property as mapped by the Magnetometer survey, will be of great assistance as a marker horizon in the Geological mapping phase of the work which will come next.

The area of magnetic interest on Claim 531066 will be further prospected to determine the cause of the magnetic high.

Further VLF-EM will be done on the parts of the property not already done.

Tarzwell, Ontario
July 12, 1980



L. Mike Dymant

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 214 Number of Readings 214
Station interval 100' Line spacing 200' and 400'
Profile scale _____
Contour interval 1000 Gammas

MAGNETIC

Instrument BARRINGER GM-102
Accuracy - Scale constant ± 1 gamma
Diurnal correction method Averaging drift over all Readings
Base Station check-in interval (hours) 1 hour
Base Station location and value 125 E Sta 13N Line 12E

ELECTROMAGNETIC

Instrument BARRINGER GM-102
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 _____
Method Time Domain Frequency Domain
Parameters - On time _____ Frequency _____
- Off time _____ Range _____
- Delay time _____
- Integration time _____
Power _____
Electrode array _____
Electrode spacing _____
Type of electrode _____

Bernhardt Twp. M.327

THE TOWNSHIP
OF 2.3390

TECK

DISTRICT OF
TIMISKAMING

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH = 20 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

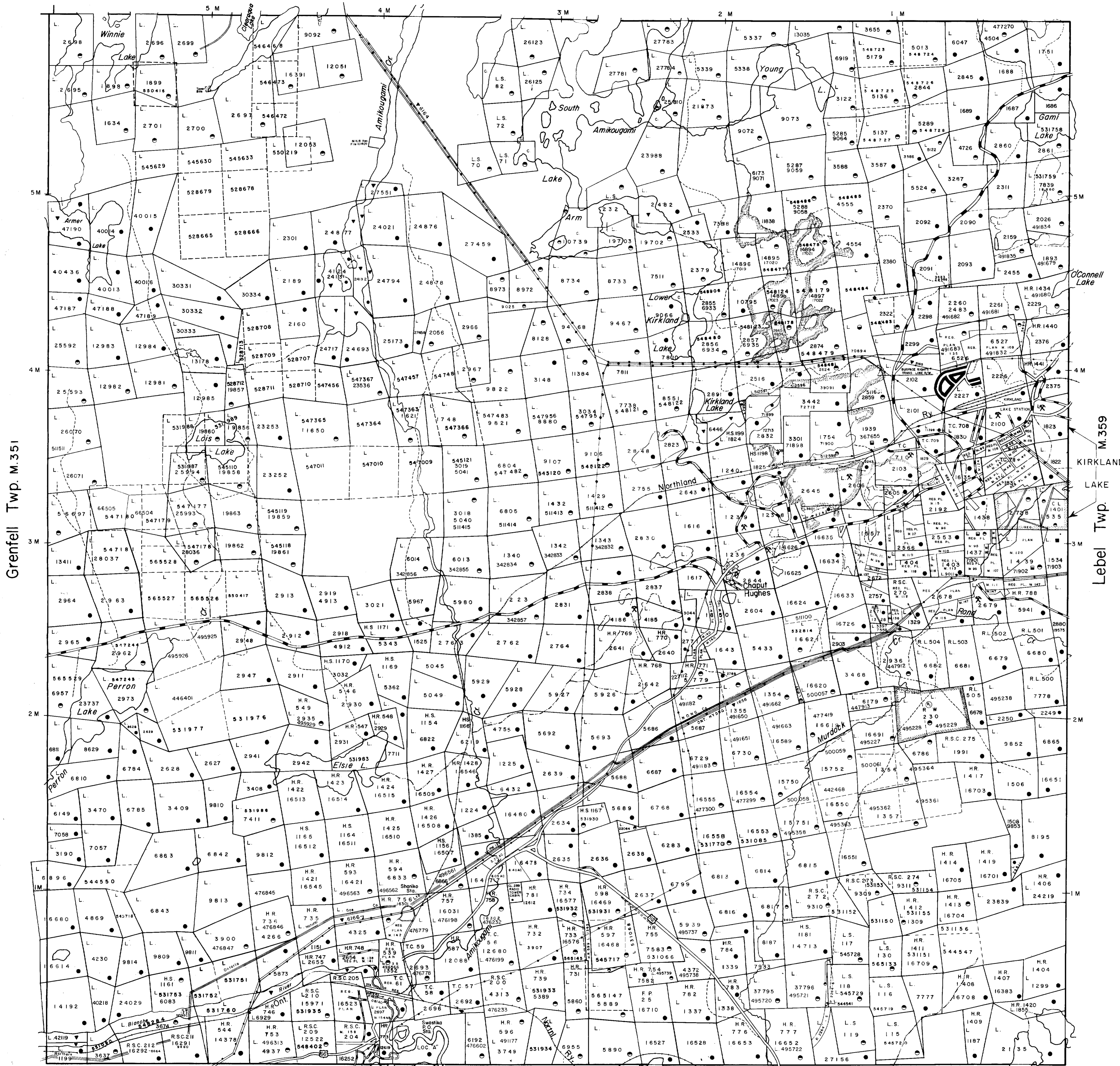
NOTES

400' surface rights reservation along the shores of all lakes and rivers.
Areas shown thus for slime disposal.

Mining claim L5779 - Mining Rights subject to Sec. 36 of the Mining Act (R.S.O. 1950)

AREAS WITHDRAWN FROM STAKING

S.R.	SECTION	ORDER NO.	DATE	DISPOSITION	M.R.	MINING RIGHTS	FILE
431	150	1970	7/6/80	7/2/80	S.R.		17760



Grenfell Twp. M.351

M.359
KIRKLAND LAKE
Label Twp.

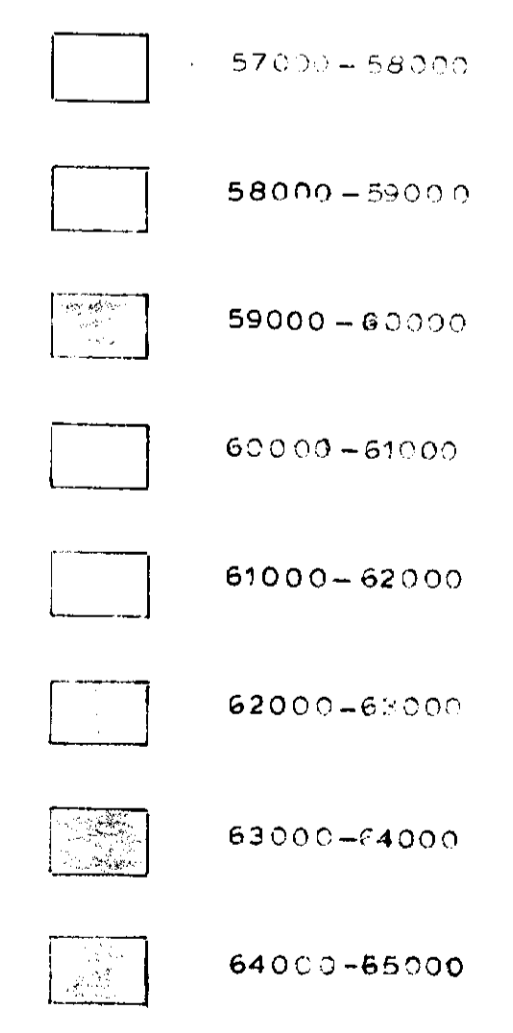
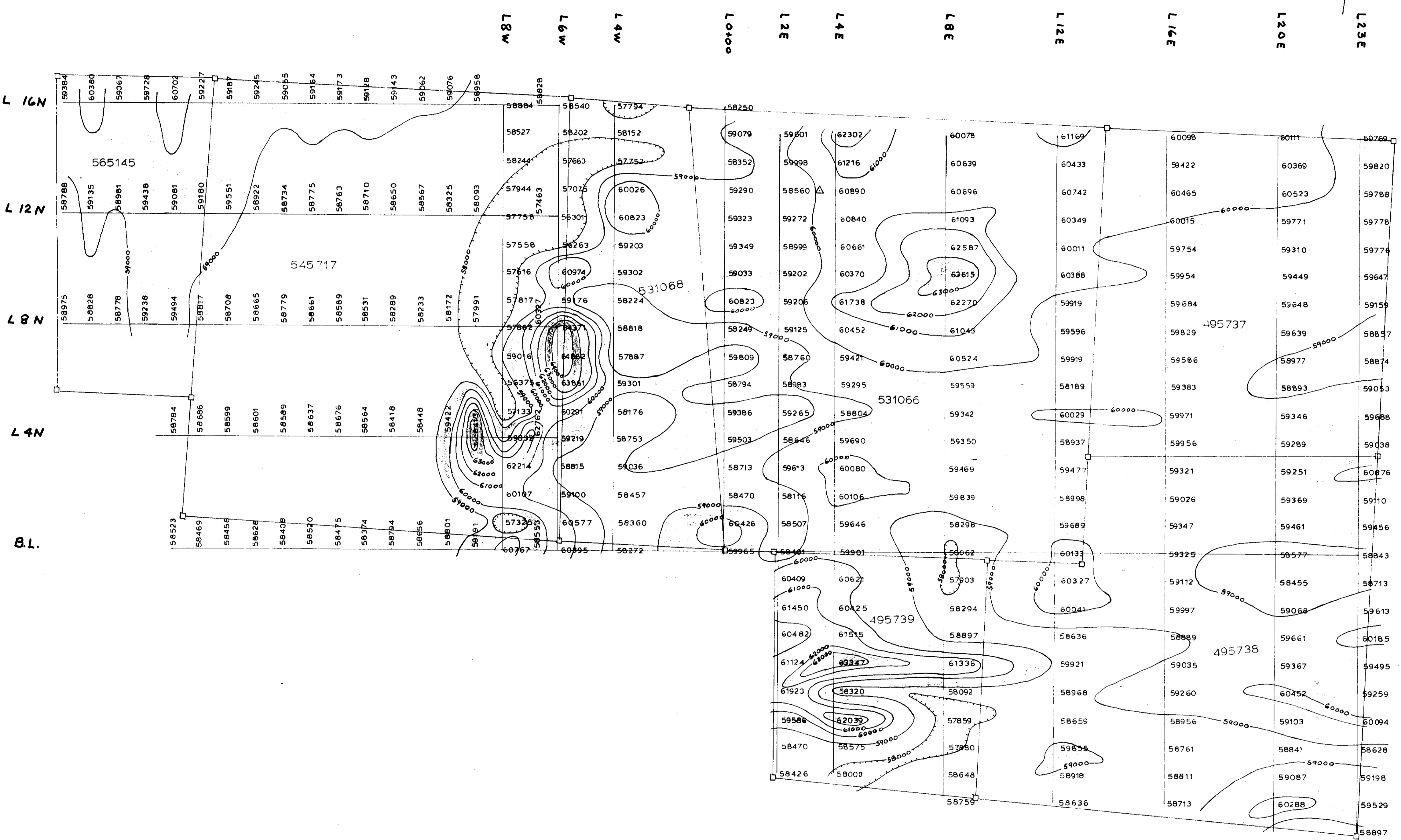
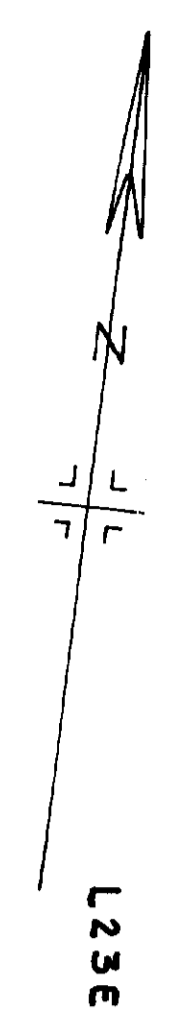
Otto Twp. M.379

DATE OF ISSUE
JUL 29 1980
SURVEYS AND MAPPING
BRANCH

PLAN NO.-M. 392

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH





MAGNETIC SURVEY
 DYMENT-KIDSTON CLAIMS
 Teck twp.
 Larder Lake Mining Division
 DISTRICT OF TIMISKAMING

SCALE 1 inch = 200 ft.

LEGEND
 Magnetic station and total field value: 60995
 instrument: Barringer's proton magnetometer - Model GM-122
 Base Station: Δ
 Survey by: Jomi Minerals & Expediting Limited



42AR15EM032 2.3398 TECK