



32D04SE0051 2.2071 MCVITTIE

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MAR 30 1976

PROJECTS UNIT.

REPORT
ON
GEOPHYSICAL SURVEY
ON
KASNER CLAIM
McVITTIE TOWNSHIP
LARDER LAKE MINING DIVISION
ONTARIO

KIRKLAND LAKE, ONTARIO

MARCH 20, 1976

GLENN C. KASNER

MINING TECHNOLOGIST

REPORT
ON
GEOPHYSICAL SURVEY
ON
KASNER CLAIM
McVITTIE TOWNSHIP
LARDER LAKE MINING DIVISION
ONTARIO

INTRODUCTION:

During the month of January an Electromagnetic and Magnetometer Survey was carried out over the one claim Kasner property in McVittie Township in the Larder Lake Mining Division, Ontario.

The following report and maps describe the results of the survey.

PROPERTY:

The Kasner property consists of one unpatented mining claim covering approximately 90 acres in the southeastern part of McVittie Township in the Larder Lake Mining Division. The claim is registered as Claim No. L419096 and is part of the former producing Omega Gold Mine Claims.

LOCATION AND ACCESS:

The claim is located in McVittie Township approximately 2 miles east of the town of Larder Lake.

The property is readily accessible by Highway No. 66 which passes to the north of the property.

GENERAL GEOLOGY:

The regional geology of the area is shown by O.D.M. map 50B. The main rock types found on the property are Timiskaming sediments and Algoman Dolomite underlain by Keewatin Greenstone.

Several pits and a shaft are located on the northeast corner of the property.

METHOD OF SURVEY:

A grid consisting of north-south Picket Lines was cut over the property at 400 foot intervals. Chainage Pickets were set up along the Picket Lines at 100 foot spacings. Line cut and chained was 1.2 miles. Lines 4+00W and 16+00E were paced and compassed. Magnetic and Electromagnetic readings were taken along the lines at 100 foot intervals and the results plotted on the accompanying maps.

A Scintrex Fluxgate Magnetometer and a Ronka EM-16 were used for the survey.

MAGNETOMETER SURVEY:

The results of the Magnetometer Survey conducted on the property are shown on the accompanying map. This map has a scale of 1 inch to 200 feet. A total of 111 readings were recorded using a Scintrex Fluxgate Magnetometer.

Readings obtained on the property ranged from a low of 200 to a high of 850 gammas. An anomalous area was defined on line 8E, 3+00S.

ELECTROMAGNETIC SURVEY:

The results of the Electromagnetic Survey conducted on the claim are shown on the map accompanying this report. The map has a scale of 1 inch to 200 feet.

The E.M. Survey was conducted over the same lines cut and chained for the magnetometer survey. A total of 96 readings were recorded using a Ronka EM-16 Electromagnetic unit.

A crossover on line 8E, 1+50S was detected and can be correlated with the magnetometer results.

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MINING LANDS SECTION

ELECTROMAGNETIC SURVEY: PROJECTS UNIT

The results of the Electromagnetic Survey conducted on the property are shown on the map accompanying this report. This map has a scale of 1 inch to 200 feet.

The E.M. Survey was conducted over the same lines cut and chained for the Magnetometer Survey. A total of 90 readings were recorded using a Ronka EM-16 electromagnetic unit.

A northwesterly trending EM Conductor was located on the north-central part of Claim L313770. (Lines 0, 1+50E; 4S, 6+00E; 8S, 9+00E). The trend of this anomaly can be correlated with the magnetic anomalous area.

The cause of this EM anomaly is not known but probably represents a mineralized shear zone. Shear zones are important gold bearing structures in the Larder Lake area and any indications of possible sulphides in such shear zones could be of significant economic importance.

CONCLUSIONS:

The Electromagnetic Survey outlined a strong conducting zone and when correlated with the magnetic results indicates a mineralized shear zone which warrants more detailed investigation.

Glenn Kasner
Mining Technologist

Glenn Kasner

2.2071

A good crossover was obtained on line 8E 10+00S; the reasons for this crossover is not known but was probably due to the contact between two rock formations.

CONCLUSIONS:

The Magnetometer and Electromagnetic results depicted an anomalous area in the region of the test pits and shaft area.

Allen Kasner

L419096



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PROJECTS UNIT.

REPORT
ON
GEOPHYSICAL SURVEY
ON
KASNER CLAIMS
McVITTIE AND HEARST TOWNSHIPS
LARDER LAKE MINING DIVISION
ONTARIO

KIRKLAND LAKE, ONTARIO

MARCH 15, 1976.

GLENN C. KASNER

MINING TECHNOLOGIST

REPORT
ON
GEOPHYSICAL SURVEY
ON
KASNER CLAIMS
McVITTIE AND HEARST TOWNSHIPS
LARDER LAKE MINING DIVISION
ONTARIO

INTRODUCTION:

During the month of January an Electromagnetic and Magnetometer Survey was carried out over the 2 claim Kasner Property in McVittie and Hearst Townships in the Larder Lake Mining Division, Ontario.

The following report and accompanying maps describe the results of the survey.

PROPERTY:

The Kasner Property herewith reported on consists of two unpatented mining claims covering approximately 75 acres in the south central part of McVittie Township and the north central part of Hearst Township, in the Larder Lake Mining Division.

The claim group is as follows

Claim No.:

L313769 Hearst and McVittie Twp.

L313770 McVittie Twp.

LOCATION AND ACCESS:

The claim group is located in Hearst and McVittie Townships with claim L313770 being to the north of the town of Larder Lake and claim L313769 being to the north and covering the northeastern part of the town.

The property is readily accessible by Highway No. 66 which traverses the property.

GENERAL GEOLOGY:

The regional geology of the area encompassing the property is shown by O.D.M. Map 508. The main rock types on the group consist of Keewatin Greenstone and sediments of the Timiskaming series.

METHOD OF SURVEY:

A grid consisting of East-West Picket Lines was cut over the property at 400 foot intervals. Chainage Pickets were set up along the Picket Lines at 100 foot spacings. Line cut and chained was 2.2 miles including the baseline. Magnetic and Electromagnetic readings were taken along the lines at the chainage pickets and the results plotted on the accompanying maps.

A Scintrex Fluxgate Magnetometer and a Ronka EM-16 were used for the survey.

MAGNETOMETER SURVEY:

The results of the Magnetometer Survey conducted on the property are shown on the map accompanying this report. This map has a scale of 1 inch to 200 feet. A total of 110 readings were recorded using a Scintrex Fluxgate Magnetometer.

Readings obtained on the property ranged from a low of 200 to a high of 2350 gammas. Overall magnetic intensity, therefore varied through a high-low range of approximately 2150 gammas.

High Magnetic values were obtained on the north-central part of Claim L313770. The Magnetic Definition in this area is very good with the values being 3 to 4 times above background. The anomaly is relatively strong and indicates magnetite and/or sulphides.

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations EM 201 MAR 221 Number of Readings EM 201 MAR 221
Station interval 100' Line spacing 400'
Profile scale 1 INCH = 90 DEGREES
Contour interval 50 GAMMAS

MAGNETIC

Instrument SCOUTER FLUX GATE MAGNETOMETER
Accuracy - Scale constant 20 GAMMAS
Diurnal correction method TIME METHOD
Base Station check-in interval (hours) 2
Base Station location and value LO 01005 720 GAMMAS CLAIM 419096
LO 01006 470 GAMMAS CLAIM 313770

ELECTROMAGNETIC

Instrument ROVER EM-16
Coil configuration
Coil separation
Accuracy
Method: [] Fixed transmitter [] Shoot back [] In line [] Parallel line
Frequency POWER PLANE (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

McVITTIE TWP. M-370

THE TOWNSHIP OF

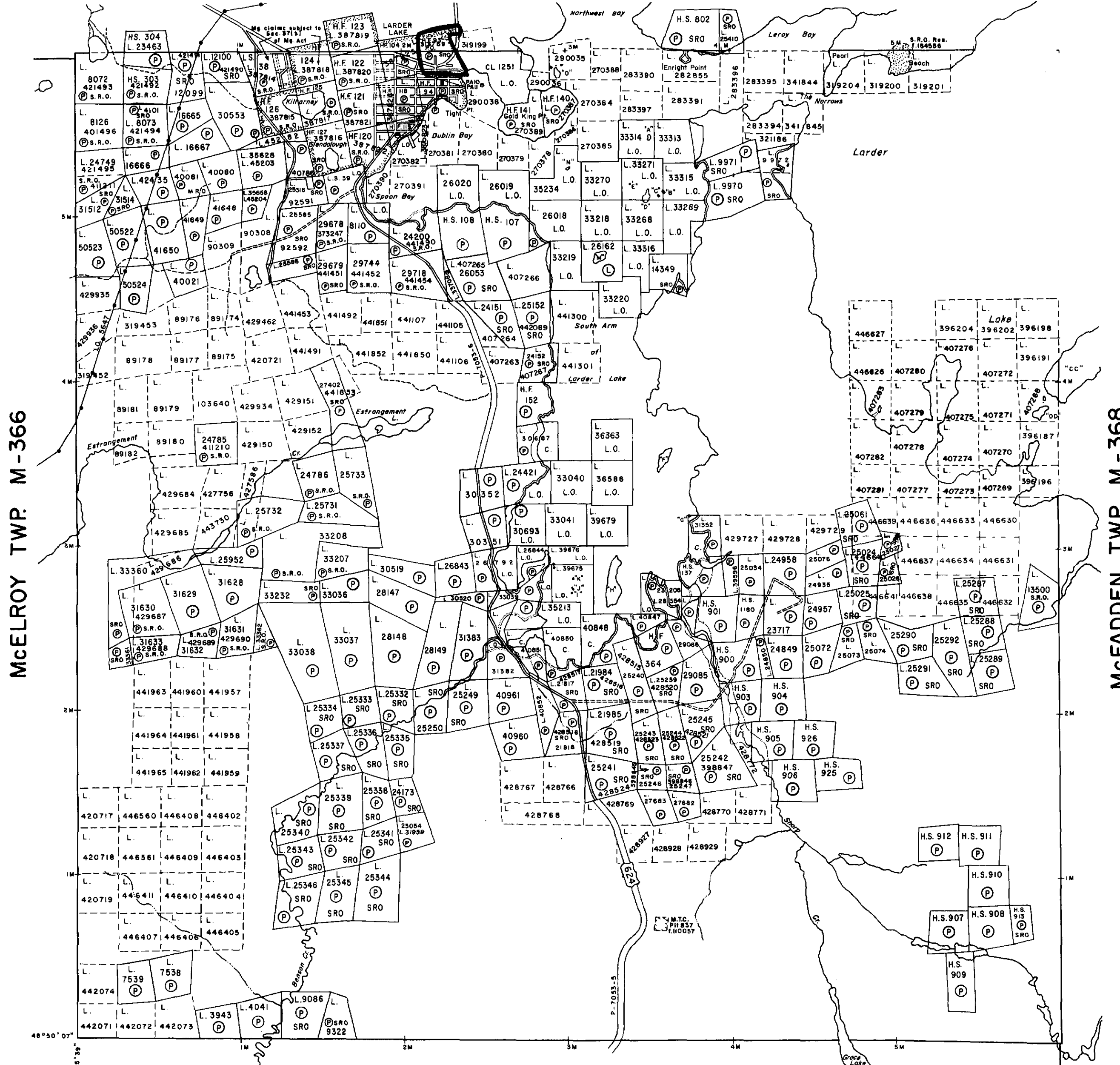
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HEARST

DISTRICT OF TIMISKAMING

LARDER LAKE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS



LEGEND

- PATENTED LAND ● or (P)
- CROWN LAND SALE C.S.
- LEASES (L)
- 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
- PATENTED S.R.O.

NOTES

400' Surface Rights reservation along the shores of all lakes and rivers.

Township of Hearst lies entirely within the CORPORATION of the TOWNSHIP of LARDER LAKE. File: 129282.

Staking of mining claims within the Town of Larder Lake shown thus subject to Sec. 37(b) of the Mining Act (R.S.O. 1970).

DATE OF ISSUE
MAR 31 1976
SURVEYS AND MAPPING
BRANCH

PLAN NO. M-354

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

SKEAD TWP. M-387



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Katrine Tp. (M. 357)

THE TOWNSHIP

OF 2.2071

McVITTIE

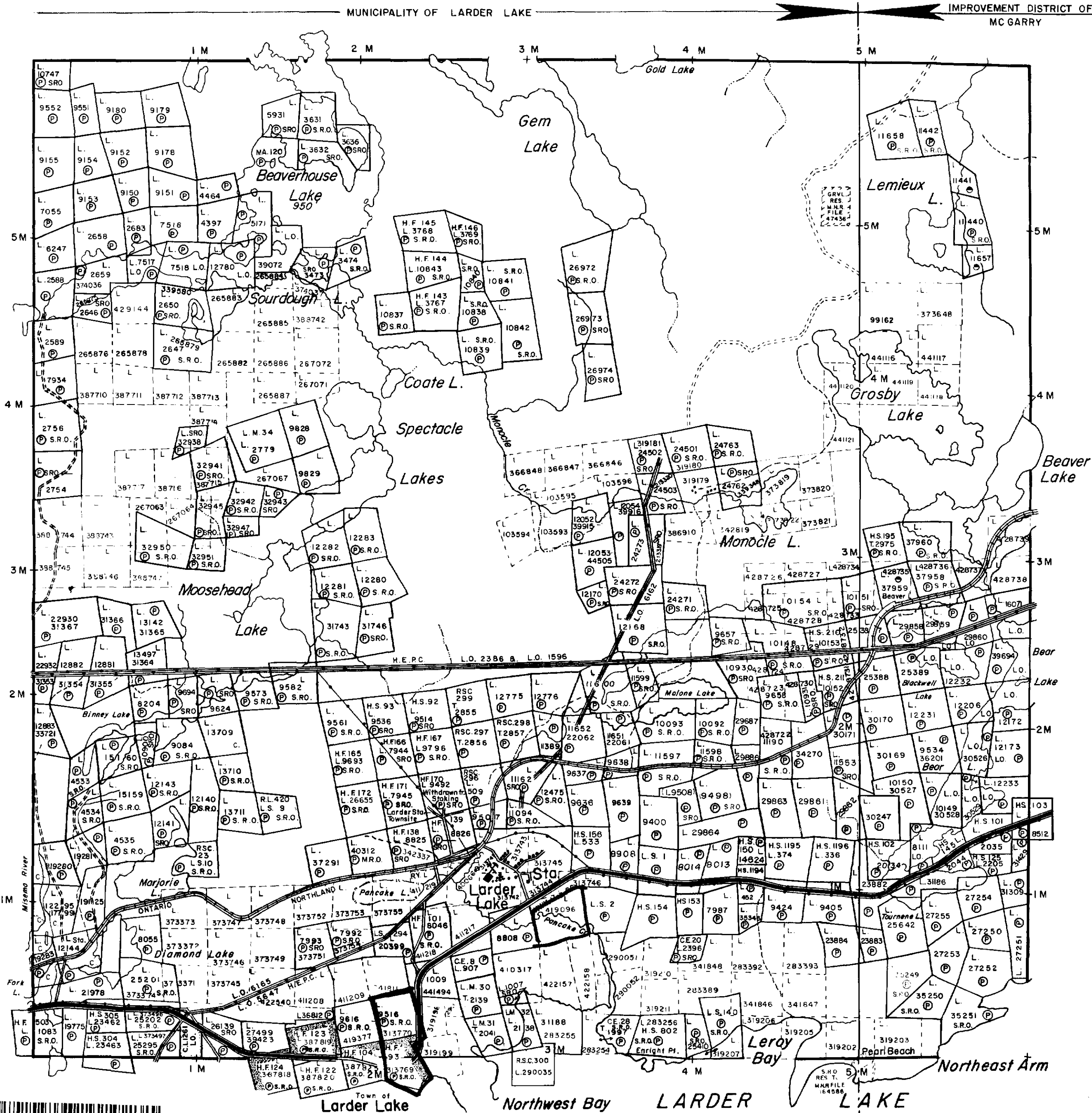
DISTRICT OF TIMISKAMING

LARDER LAKE MINING DIVISION

SCALE: 1-INCH 40 CHAINS

Gauthier Tp. (M. 350)

McGarry Tp. (M. 369)



LEGEND

PATENTED LAND	● or ⊕
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	—
PATENTED S.R.O.	—

NOTES

400' SURFACE RIGHTS RESERVATION ALONG THE SHORES OF ALL LAKES AND RIVERS.

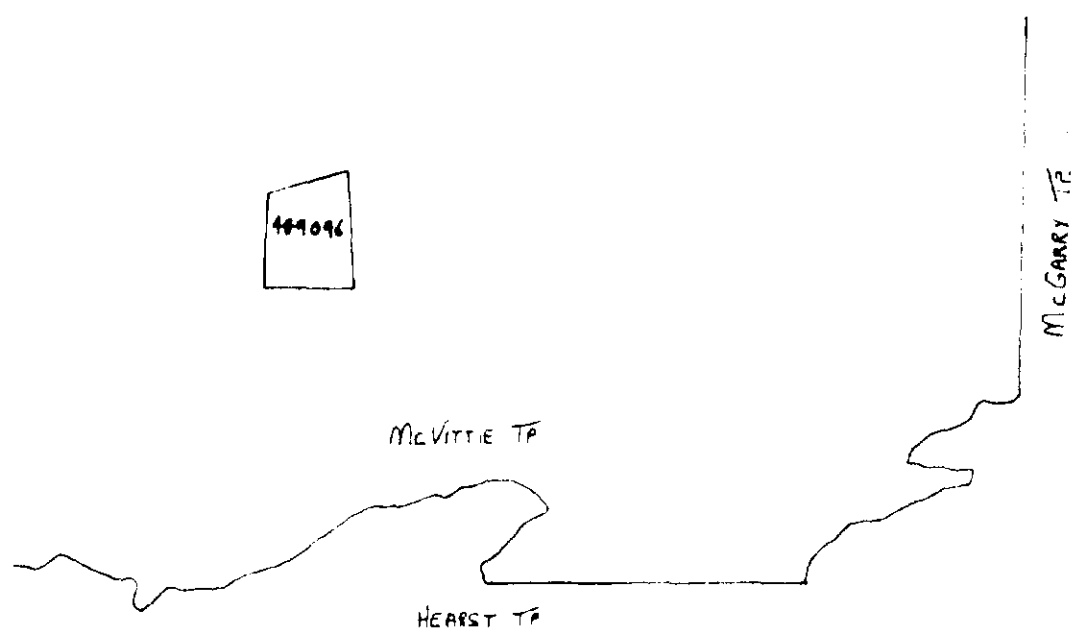
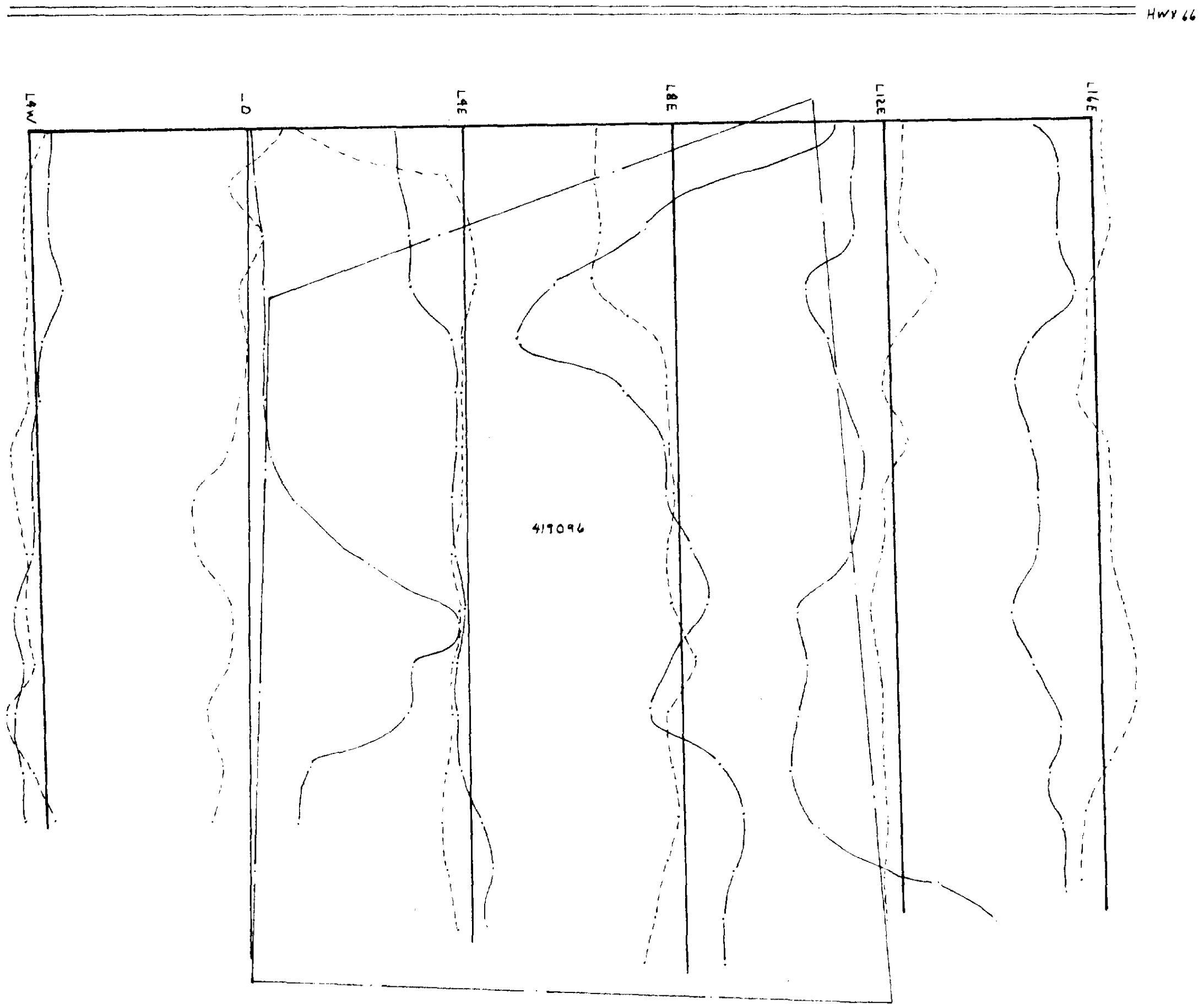
Staking of mg. claims within the area shown thus Town of Larder Lake - Subject to Sec.37(b) of the Mining Act(R.S.O. 1970)

DATE OF ISSUE
MAR 31 1976
SURVEYS AND MAPPING
BRANCH

PLAN NO. M.370

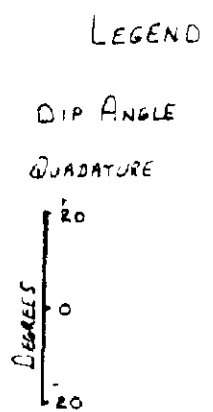
ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH





LOCATION PLAN
SCALE: 1 INCH = 40 CHAINS

KASNER CLAIM
McVITTIE TOWNSHIP
LARDER LAKE MINING DIVISION ONTARIO
MAP SCALE 1"=200'
BY
GLENN KASNER
ELECTROMAGNETIC SURVEY
Glenn Kasner

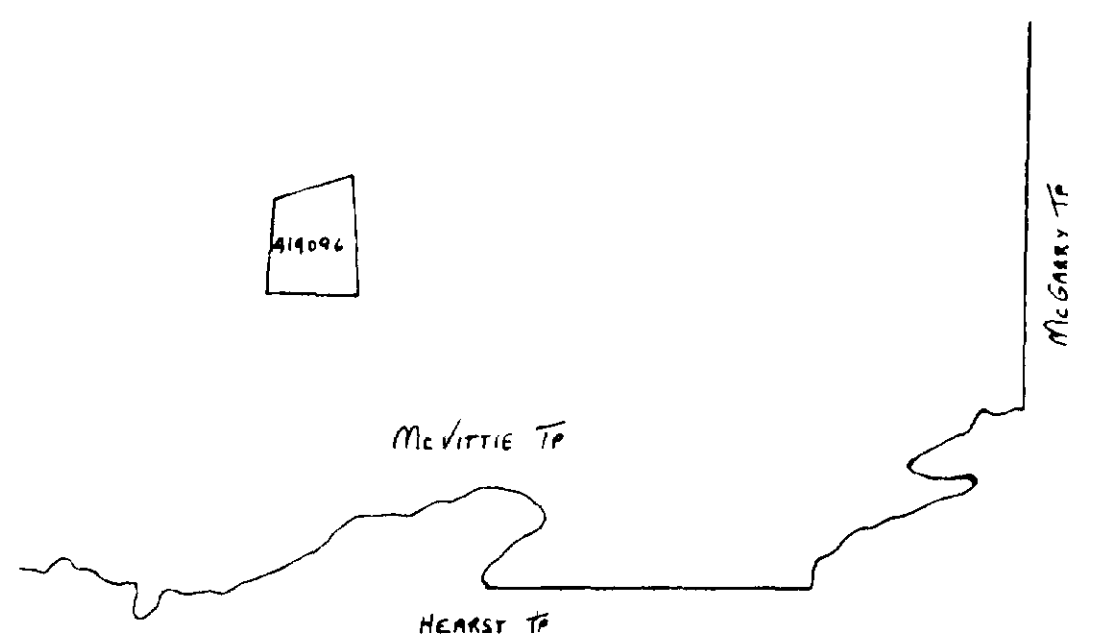
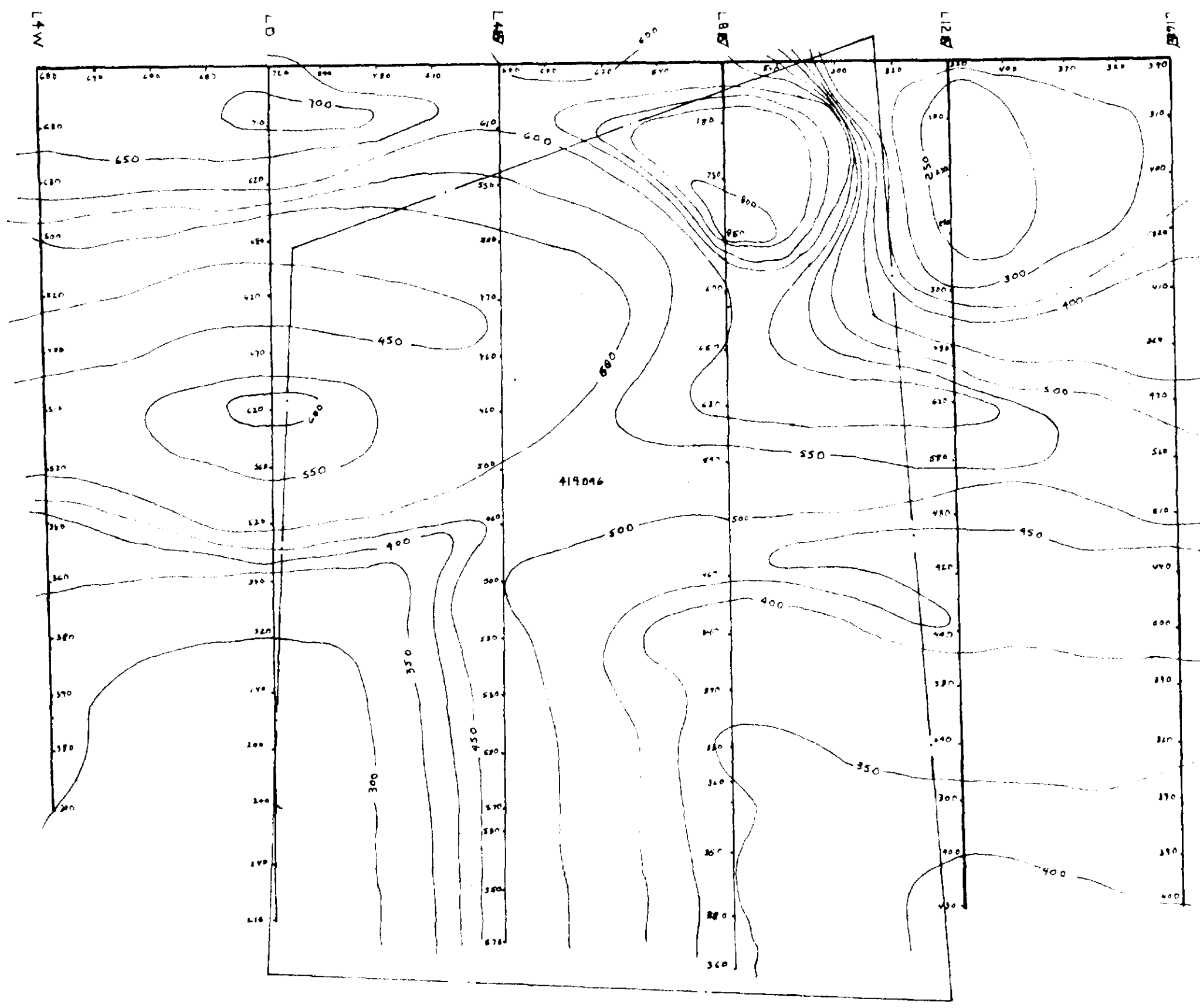


VLF STATION CUTLAR MAINE





HWY 66

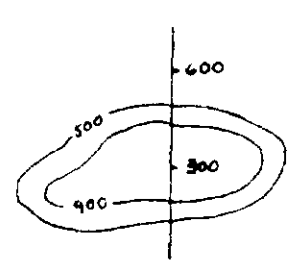


LOCATION PLAN
SCALE: 1 INCH = 40 CHAINS

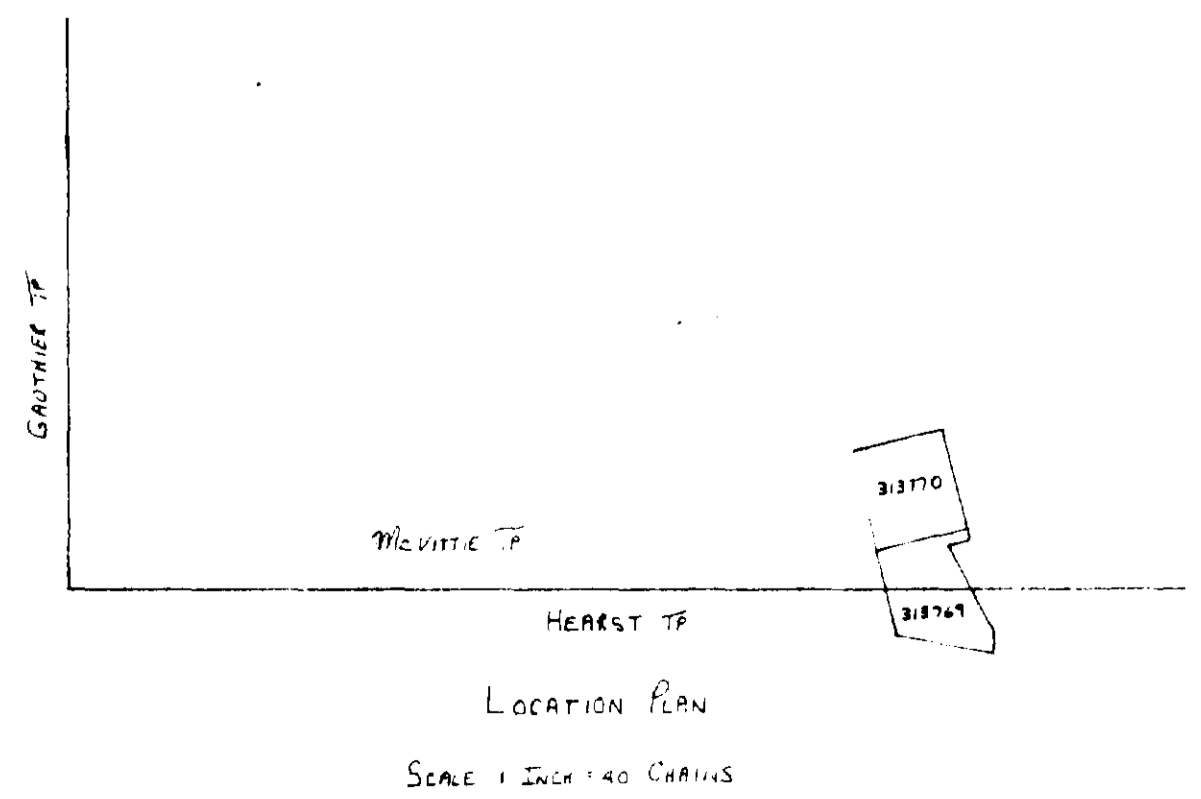
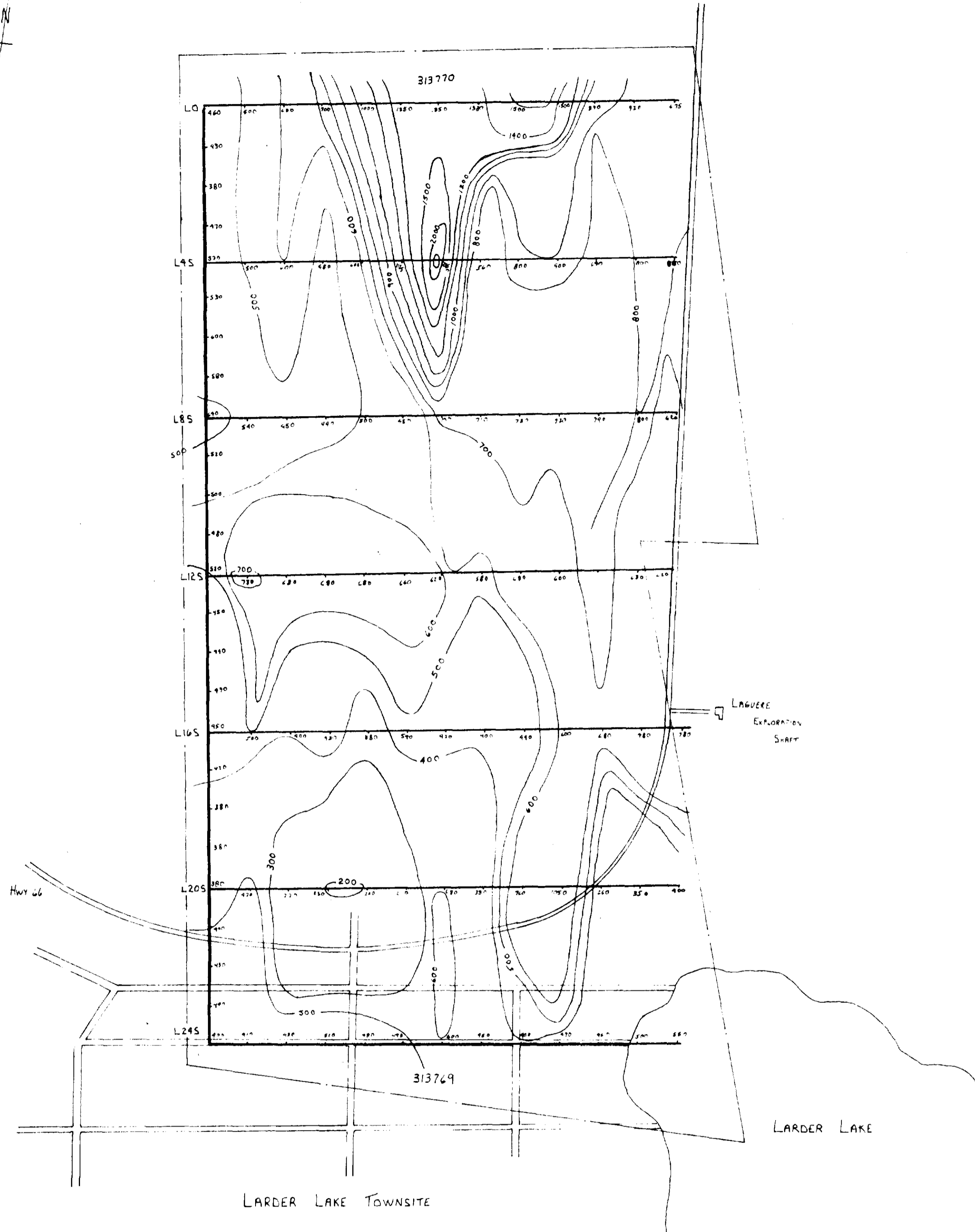
KASNER CLAIM
McVITTIE TOWNSHIP
LARDER LAKE MINING DIVISION ONTARIO
MAP SCALE 1" = 200'
BY
GLENN KASNER
MAGNETOMETER SURVEY
Glenn Kasner

LEGEND

MEASUREMENT STATIONS ALONG GRID LINES
RELATIVE VALUE OF THE VERTICAL COMPONENT
FORCE OF THE EARTH'S MAGNETIC FIELD (IN GAUSS)

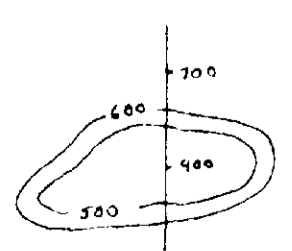


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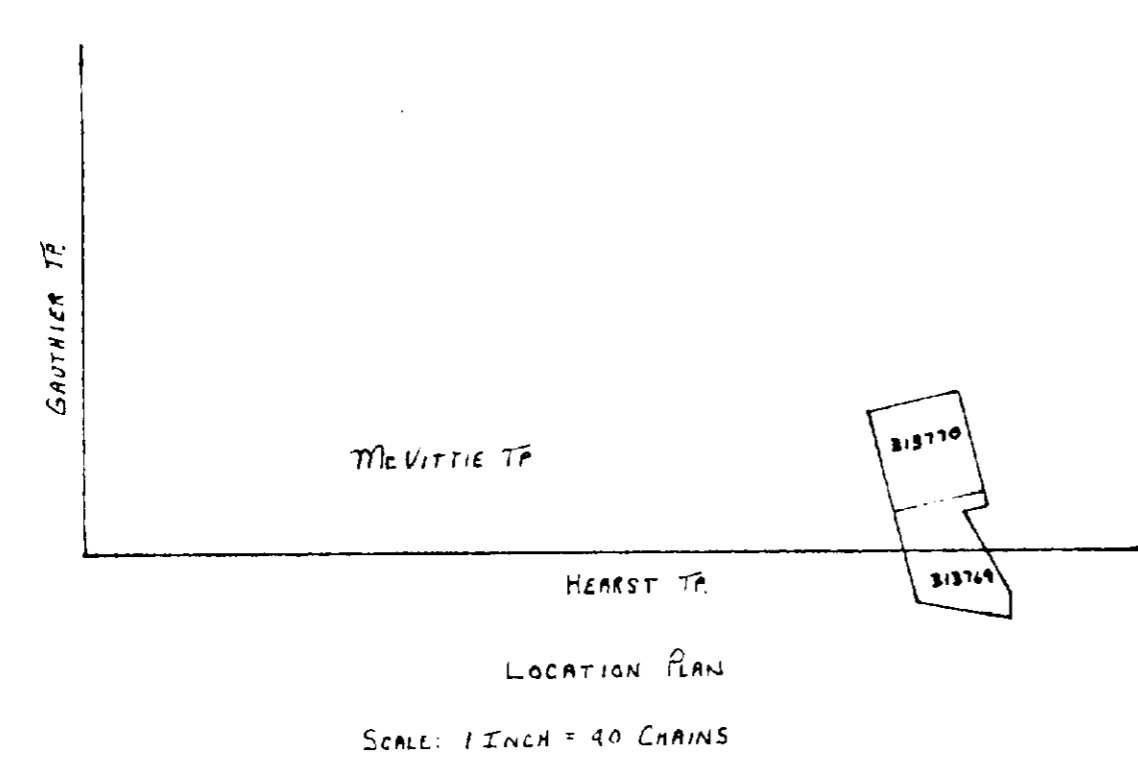
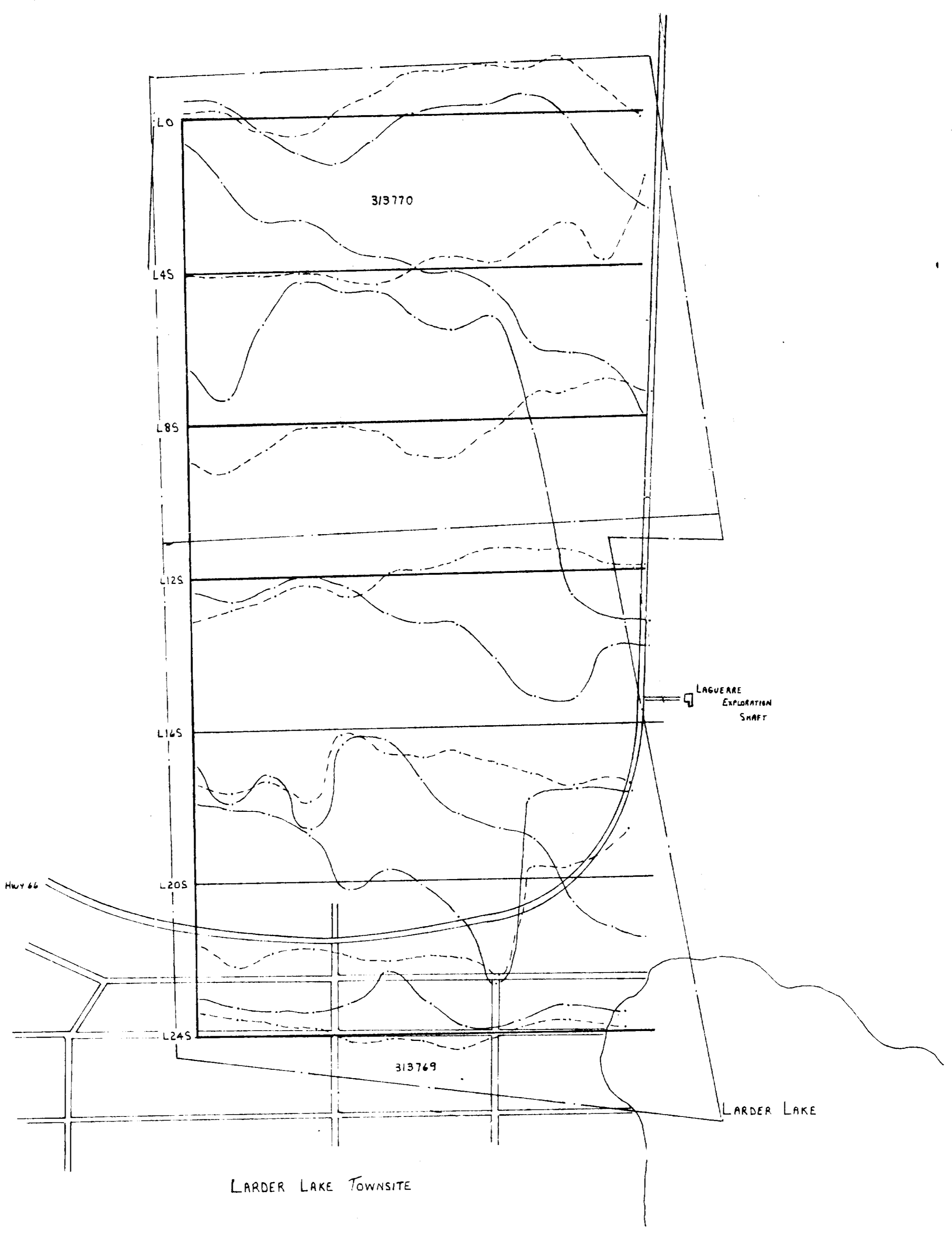


KASNER CLAIMS
 MCVITTIE TOWNSHIP
 LARGER LAKE MINING DIVISION ONTARIO
 MAP SCALE 1" = 200'
 BY
 GLENN KASNER
 MAGNETOMETER SURVEY
Glenn Kasner

LEGEND
 MEASUREMENT STATIONS ALONG GRID LINES
 RELATIVE VALUE OF THE VERTICAL COMPONENT
 FORCE OF THE EARTH'S MAGNETIC FIELD (IN GAMMAS)



320845E8851 2.2071 MCVITTIE



KASNER CLAIMS
McVITTIE TOWNSHIP
LARDER LAKE MINING DIVISION ONTARIO
MAP SCALE 1" = 200'
By
GLENN KASNER
ELECTROMAGNETIC SURVEY
Glenn Kasner

