REPORT

ON

GEOPHYSICAL SURVEY

ON

KASNER - HURD CLAIMS

MCVITTIE TOWNSHIP

LARDER LAKE MINING DIVISION

ONTARIO.

INTRODUCTION:

A magnetometer survey was completed over the 6 claim Kasner - Hurd property in McVittie Township in the Larder Lake Mining Division, Ontario. The program was carried out in January, February, March, April, May and June of 1973.

The following report and accompanying map describes the results of the survey.

CONCLUSIONS AND RECOMMENDATIONS:

The magnetometer survey detected a weak but well defined anomaly close to the west boundary of the property. The possibility that this anomaly is caused by magnetite developed in a

talc-serpentine shear zone warrants investigation since shear zones are important gold bearing structures in the Larder Lake Area.

PROPERTY AND LOCATION:

The property consists of 6 contiguous unpatented claims covering approximately 200 acres. These are registered with the Ontario Department of Mines as follows and are shown on the accompanying map:-

Claim No.

L 313741
L 313742
L 313743
L 313744
L 313745
L 313746

The claim group is situated in the south-central portion of McVittie Township in the Larder Lake Mining Division of Ontario.

GEOLOGY:

The group consists of a portion of the former producing Omega Gold Mine claims. The underlying rock types consist of Keewatin Greenstone and Timiskaming sediments. The "Larder" Lake Break" is believed to traverse the property.

SURVEY METHOD:

Survey readings were taken at 100 feet intervals along north-south grid lines established at 400 feet spacings.

The magnetic readings were taken with a McPhar M700 Fluxgate magnetometer measuring the variations of the vertical component of the earth's magnetic field. The magnetic responses as plotted on the accompanying map, are corrected for diurnal variation and instrument drift, and are contoured at 50 foot intervals. A magnetic base station was set up on the base line on line zero. For the purpose of diurnal correction the base station reading was used as a reference reading at least once every hour during the survey.

The magnetic results are plotted on the map at a scale of 200 feet to the inch.

INTERPRETATION OF RESULTS OF MAGNETOMETER SURVEY:-

The magnetometer survey detected a weak but well defined anomaly close to the West boundary of the property. This anomaly possibly represents a talc-serpentine shear zone.

A highly anomalous reading (5000 gammas) was recorded at one station near the west end of the base line, however, this is within the old mine plant area and is possibly due to a buried pipe line.

REGISTERED PROFESSIONAL ENGINEER
MINING
E. W. BAZINET
PROVINCE OF ONTARIO

Respectfully submitted

E. W. Bazinet, P. Eng.

Timmins, Ontario.
June 13, 1973.

GEOPHYSI 900

TECHNICAL DATA STATEMENT

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 Geophysical

Township or Area Mc Vittie Township.

Claim holder(s) _____

_____

Author of Report E.W. BAZINET P.ENG

Address 456 Brousseau Ave Timmins.

Covering Dates of Survey January 3, 1973 To June 13/73
(linecutting to office)

Total Miles of Line cut 4.87

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
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: June 17/73 SIGNATURE: E.W. Bazinet
Author of Report or Agent

PROJECTS SECTION

Res. Geol. _____ Qualifications 63.2086

Previous Surveys LD

_____

Checked by _____ date _____

GEOLOGICAL BRANCH _____

_____

Approved by _____ date _____

GEOLOGICAL BRANCH _____

_____

Approved by _____ date _____

OFFICE USE ONLY

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
L	313741
L	313742
L	313743
L	313744
L	313745
L	313746

If space insufficient, attach list

TOTAL CLAIMS 6

Show instrument technical data in each space for type of survey submitted or indicate "not applicable"

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS

Number of Stations 264 Number of Readings 265

Station interval 100 feet

Line spacing 400 feet

Profile scale or Contour intervals 50 gamma contour interval
(specify for each type of survey)

MAGNETIC

Instrument McPhar M700 Fluxgate Magnetometer

Accuracy - Scale constant 5 Gammas.

Diurnal correction method Base Station as a reference reading maximum time one hour

Base station location On the base line at Line 0

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

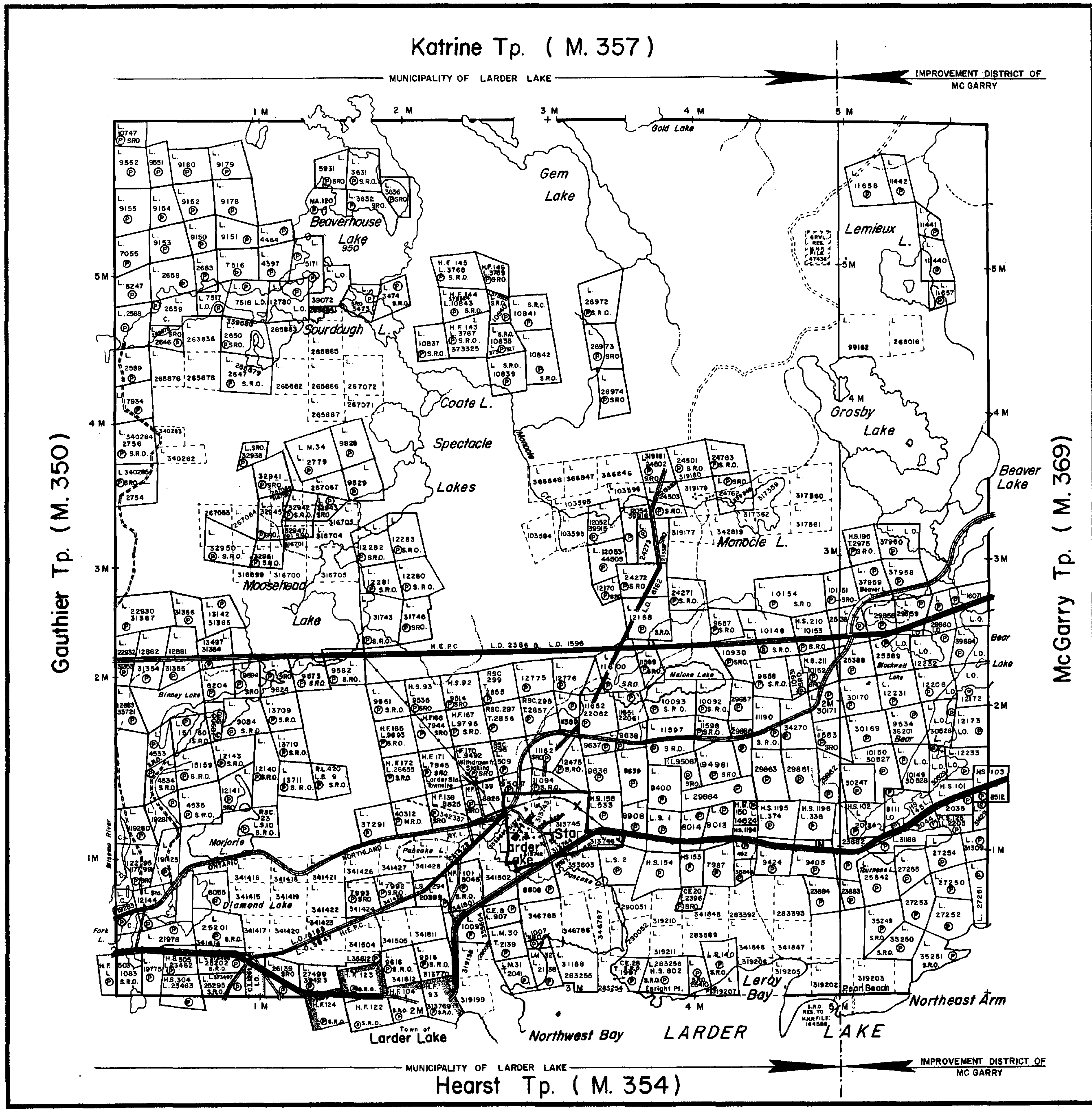
Electrode array

Electrode spacing

Type of electrode

M.370

TRIM LINE



THE TOWNSHIP OF

McVITTIE

DISTRICT OF
TIMISKAMING

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

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	C.
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)

- MINING LANDS -
DATE OF ISSUE
JUN 25 1973
MINISTRY OF NATURAL RESOURCES

PLAN NO. M.370

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

2.1250

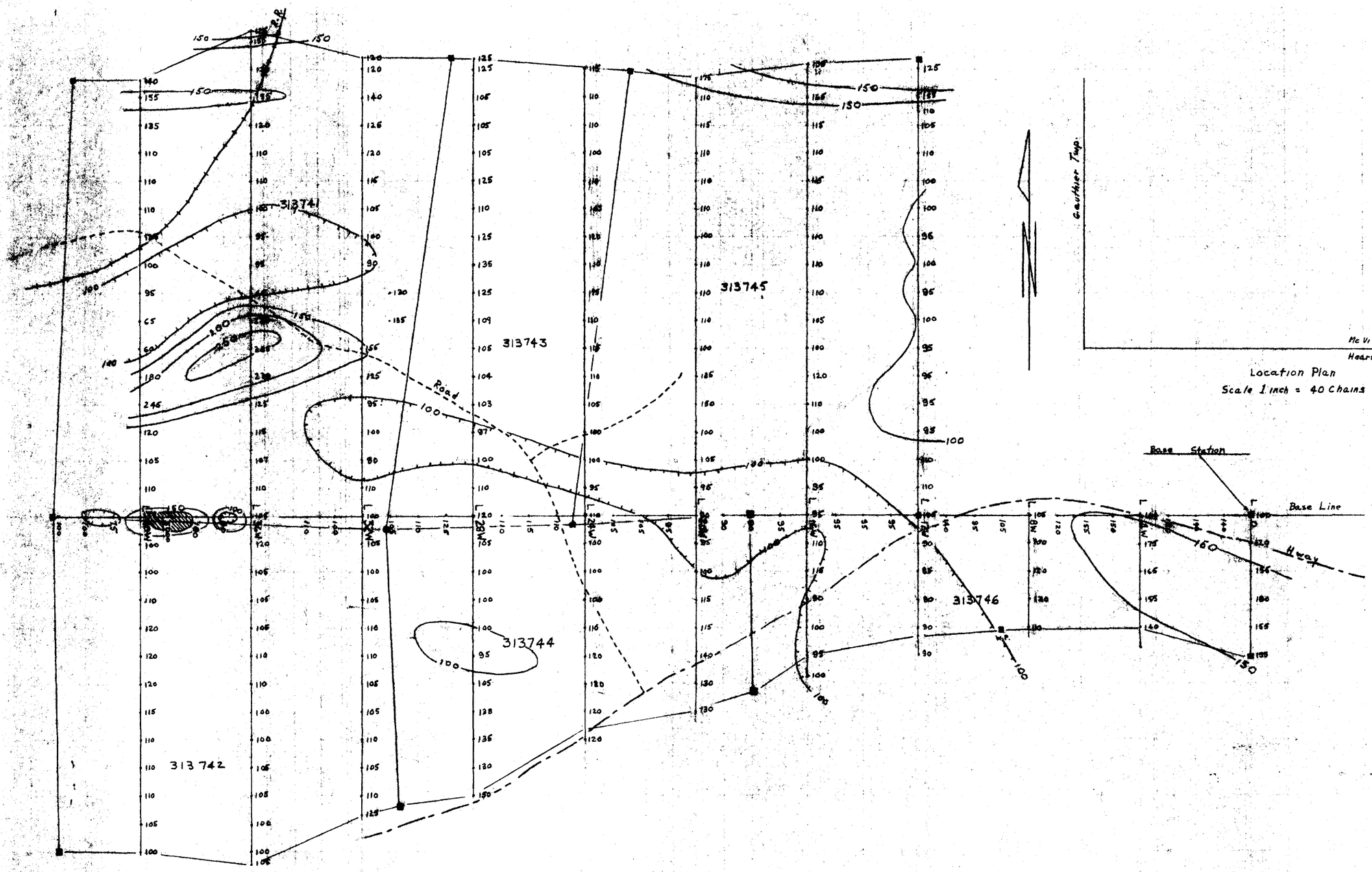
M.370

TRIM LINE

Magnetometer

32D04SE0068 2.1250 MCVITTIE

200



Location Plan
Scale 1 inch = 40 Chains

HURD - KASNER CLAIMS

MCVITTIE TOWNSHIP

LARDER LAKE MINING DIVISION, ONTARIO

MAP SCALE: 1"=200'

BY

E. W. BAZINET P. ENG.

MAGNETOMETER SURVEY

LEGEND

Measurement Stations Along Grid Lines

Relative Value Of The Vertical Component Force Of The Earth's Magnetic Field (In Gammas)

Magnetic Contours

Electrical Conductor

REGISTERED PROFESSIONAL ENGINEER
E. W. BAZINET
PROVINCE OF ONTARIO

32D04SE0068 2.1250 MCVITTIE