020

REPORT ON
MAGNETOMETER SURVEY
HURD CLAIMS
HARKER TOWNSHIP
ONTARIO

August 25,1982.

G.C. Kasner
P.O. Box 1053
Kirkland Lake, Ont.

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FIGURES AND PLANS

SUMMARY

The "Hurd" property is located in Harker Township, Ontario and consists of a group of 26 unpatented mining claims of which a grid has been cut on a total of 9 claims, 5 of which are dealt with in this report. A magnetometer survey has been completed on this group.

The property lies in the southeast part of Harker Township and is easily acessable by road south from Highway 101.

The property is completly overburden covered by Esker sand.

D.F. Hurd carried out magnetic surveying over the west part of the group in May 1982. The area is generally magnetically flat.

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HURD CLAIMS
HARKER TOWNSHIP

INTRODUCTION:

This report on the Harker Township property was prepared at the request of D.F. Hurd by G. Kasner Mining Technologist. The property surveyed consists of five unpatented mining claims which is part of a block of 26 claims registered to D.F. Hurd. The data for the survey was supplied by the registered owner.

Information concerning the Harker Township property can be found in the records of the Ontario Ministry of Natural Resources.

PROPERTY LOCATION, ACESS:

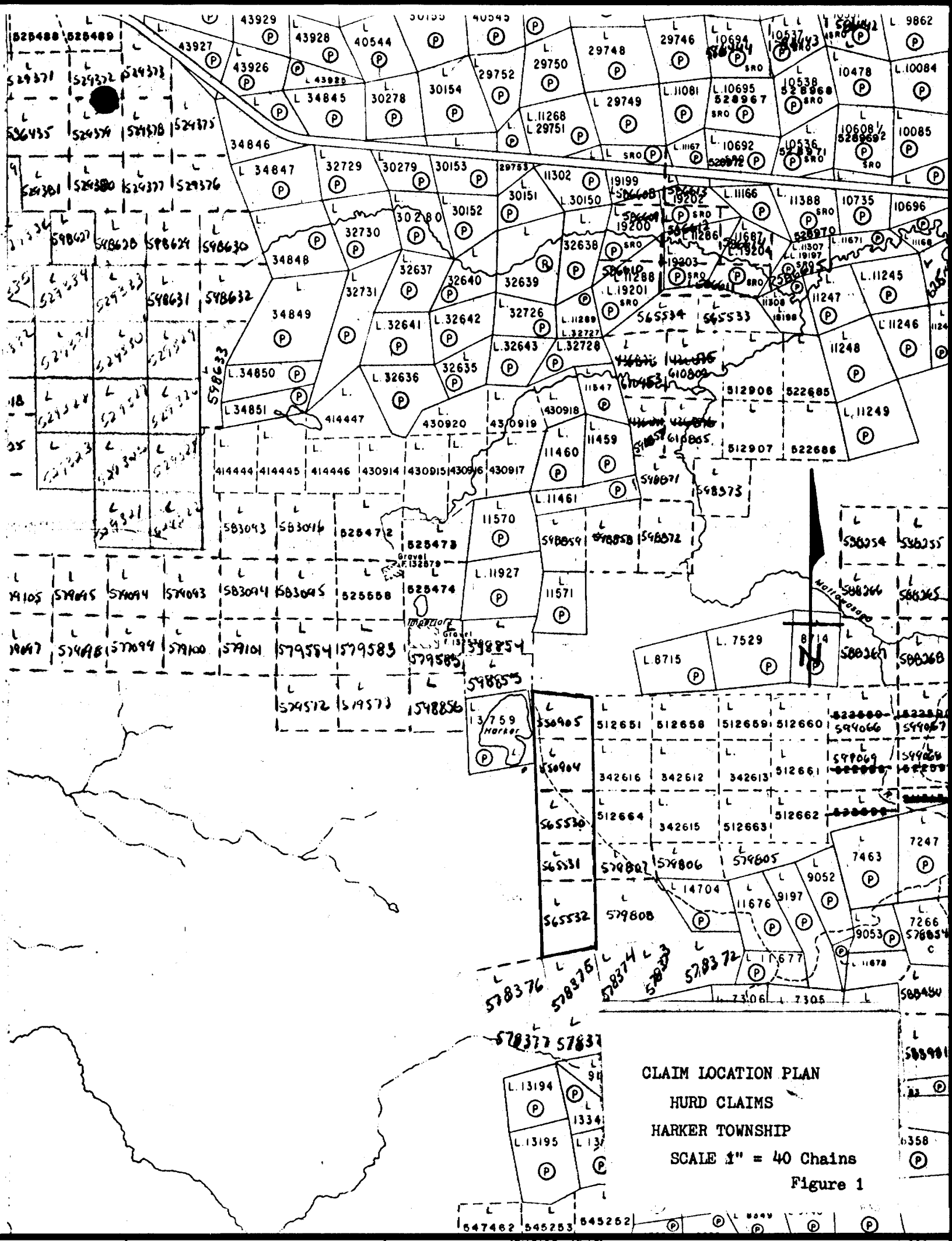
The Hurd property is located in the southeastern portion of Harker Township, District of Timiskaming, Ontario. It lies approximately three miles south of Highway 101, and is easily accessable by unimproved roads from the highway.

CLAIMS:

The claims delt with in this report are part of a larger group to the east, the claim numbers are as follows L550905
L550904
L565530
L565531
L565532

GENERAL GEOLOGY:

The geology of the property area is based on projection from outcrop areas, there are no rock outcroppings in the survey area. The property is completly overburden covered by Esker sand.


CLAIM LOCATION PLAN
HURD CLAIMS
HARKER TOWNSHIP
SCALE 1" = 40 Chains
Figure 1

MAGNETIC SURVEYING:

In May 1982 D.F. Hurd completed a magnetic survey of the Harker Grid. The contoured results of this survey are shown on the map supplied with this report.

The area surveyed is generally magnetically flat except for local areas of higher readings, probably due to mineral concentrations within the Esker itself.

CONCLUSIONS:

1. The Hurd property ih Harker Township consists of 5 unpatented mining claims registered to D.F. Hurd.
   The property is presently under extension.
2. The Hurd property is completely overburden covered by Esker sand of unknown debth.
3. The results of the magnetic survey indicate an area that is relatively magneticaly flat.

Respectfully submitted,

G.C. Kasner Mining Technologist

Cfile L550904

32D05NW0422 2.5045 HARKER

...ction may be entered Days Cr." columns. areas below.

#189

900 ce No.

Type of Survey(s)
Geophysical

Claim Ho[illegible]s)
Do[illegible]ld F. Hurd

Survey Company
Glenn Kasner

Survey Dates (linecutting to office)						Total Miles of line Cut
Day	Mo.	Yr.	Day	Mo.	Yr.	
10	5	82	10	6	82	4.87

Name and Address of Author (of Geo-Technical report)
11 Young Ave. Kirkland Lake, Ont.

2.5045

Special Provisions Credits Requested

Instructions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical	
	- Electromagnetic	
	- Magnetometer	40
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Man Days

Instructions		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits

		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
L	550904				
	550905				
	565530				
	565531				
	565532				

RECEIVED
JUN 22 1982
MINING LANDS SECTION

LARDER LAKE MINING DIV.
RECEIVED
JUN 10 1982
AM PM
7 8 9 10 11 12 1 2 3 4 5 6

Total number of mining claims covered by this report of work. 5

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
200	JUN 10 1982	
	Date Approved as Recorded	Branch Director

Report Completed

Date of Report	Recorded Holder or Agent (Signature)
June 10/82	D Hurd

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
Donald F. Hurd
18 Taylor Ave., Kirkland Lake, Ont

Date Certified	Certified by (Signature)
June 10/82	D Hurd

Ministry of Natural Resources
Ontario

Geotechnical Report Approval

File 2.5045

Jan 10/83

Mining Lands Comments

☑ To: Geophysics N. R. Barlow

Comments

☑ Approved ☐ Wish to see again with corrections | Date Feb 28/83 | Signature

☐ To: Geology - Expenditures

Comments

☐ Approved ☐ Wish to see again with corrections | Date | Signature

☐ To: Geochemistry

Comments

☐ Approved ☐ Wish to see again with corrections | Date | Signature

☐ To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1593 (81/10)

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL 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(s) MAGNETOMETER

Township or Area HARKER

Claim Holder(s) D.F. HURD

Survey Company D.F. HURD

Author of Report GLENN C. KASNER

Address of Author BOX 1053 KIRKLAND LAKE

Covering Dates of Survey MAY 5 - 9 1982.
(linecutting to office)

Total Miles of Line Cut 6.9 miles

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: August 25, 1982 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications 2.2071

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
L	550905
L	550904
L	565530
L	565531
L	565532

If space insufficient, attach list

TOTAL CLAIMS _____

OFFICE USE ONLY

837 (5/79)

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 260 Number of Readings 260

Station interval 100 feet Line spacing 400 feet

Profile scale

Contour interval 100 Gamma

MAGNETIC

Instrument Geometric Proton Precession

Accuracy – Scale constant +- 5 Gammas

Diurnal correction method Loop system using stations and time

Base Station check-in interval (hours) 2.5 hours

Base Station location and value B.L. 8+00 West - 58954

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

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time Frequency

– Off time Range

– Delay time

– Integration time

Power

Electrode array

Electrode spacing

Type of electrode

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

_____

Additional information (for understanding results) _____

_____

_____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken_____

Total Number of Samples_____

Type of Sample_____
(Nature of Material)

Average Sample Weight_____

Method of Collection_____

Soil Horizon Sampled_____

Horizon Development_____

Sample Depth_____

Terrain_____

Drainage Development_____

Estimated Range of Overburden Thickness_____

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis_____

General_____

ANALYTICAL METHODS

Values expressed in: per cent ☐
p. p. m. ☐
p. p. b. ☐

Cu, Pb, Zn, Ni, Co, Ag, Mo, As,-(circle)

Others_____

Field Analysis (_____ tests)

Extraction Method_____

Analytical Method_____

Reagents Used_____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method_____

Analytical Method_____

Reagents Used_____

Commercial Laboratory (_____ tests)

Name of Laboratory_____

Extraction Method_____

Analytical Method_____

Reagents Used_____

General_____

1982 09 30 2.5045

Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. BOx 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

We have received reports and maps for a Geophysical (Magnetometer) Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims L 550904 et al in the Township of Harker.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

J. Skura:sc

cc: Donald F. Hurd
Kirkland Lake, Ontario

cc: Glenn Kasner
Kirkland Lake, Ontario

	Mag.					2.5045		
L-550904	✓							
05	✓							
565530	✓							
31	✓							
32	✓							
						D.K.		

010

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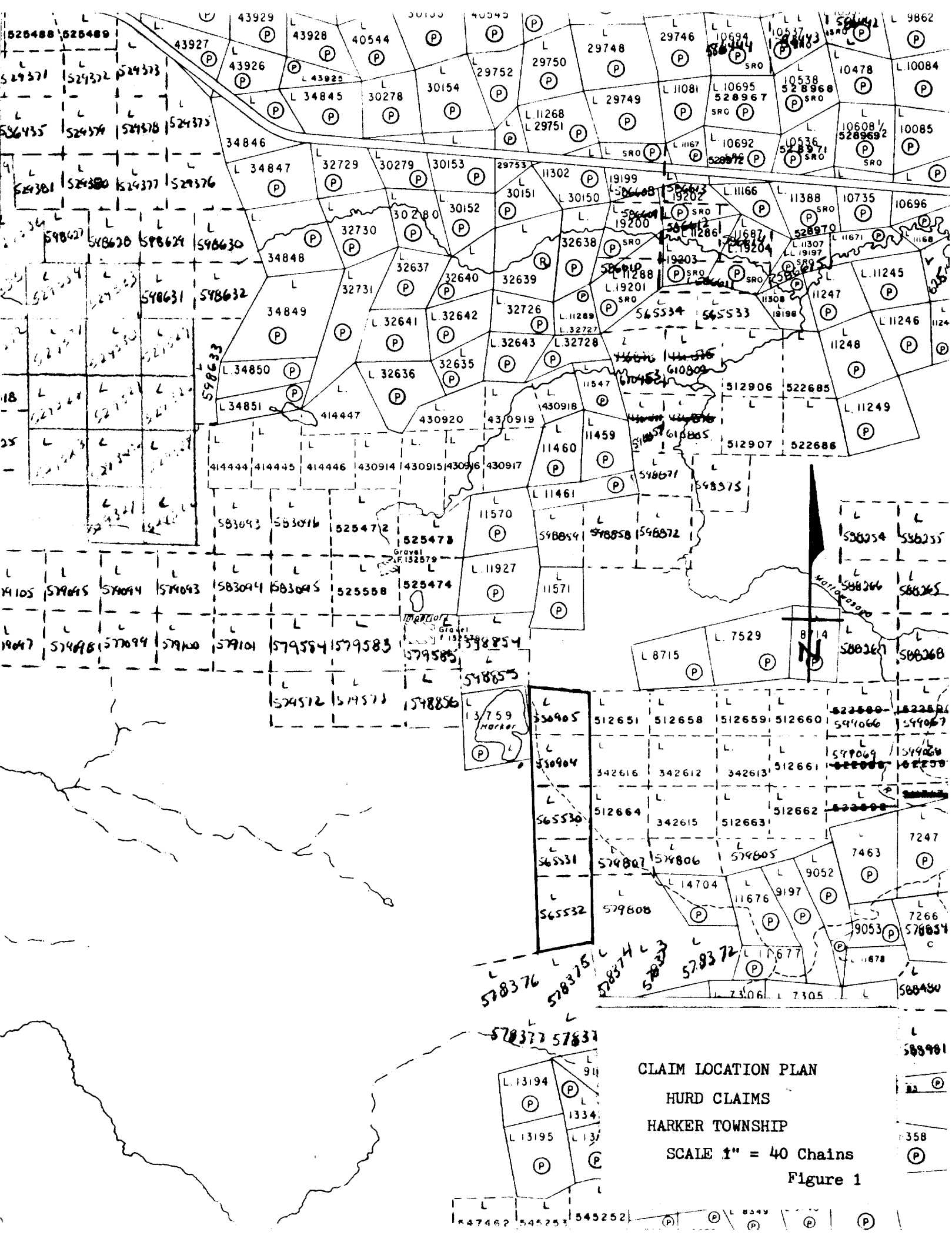
CLAIM LOCATION PLAN
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HARKER TOWNSHIP
SCALE 1" = 40 Chains

Figure 1

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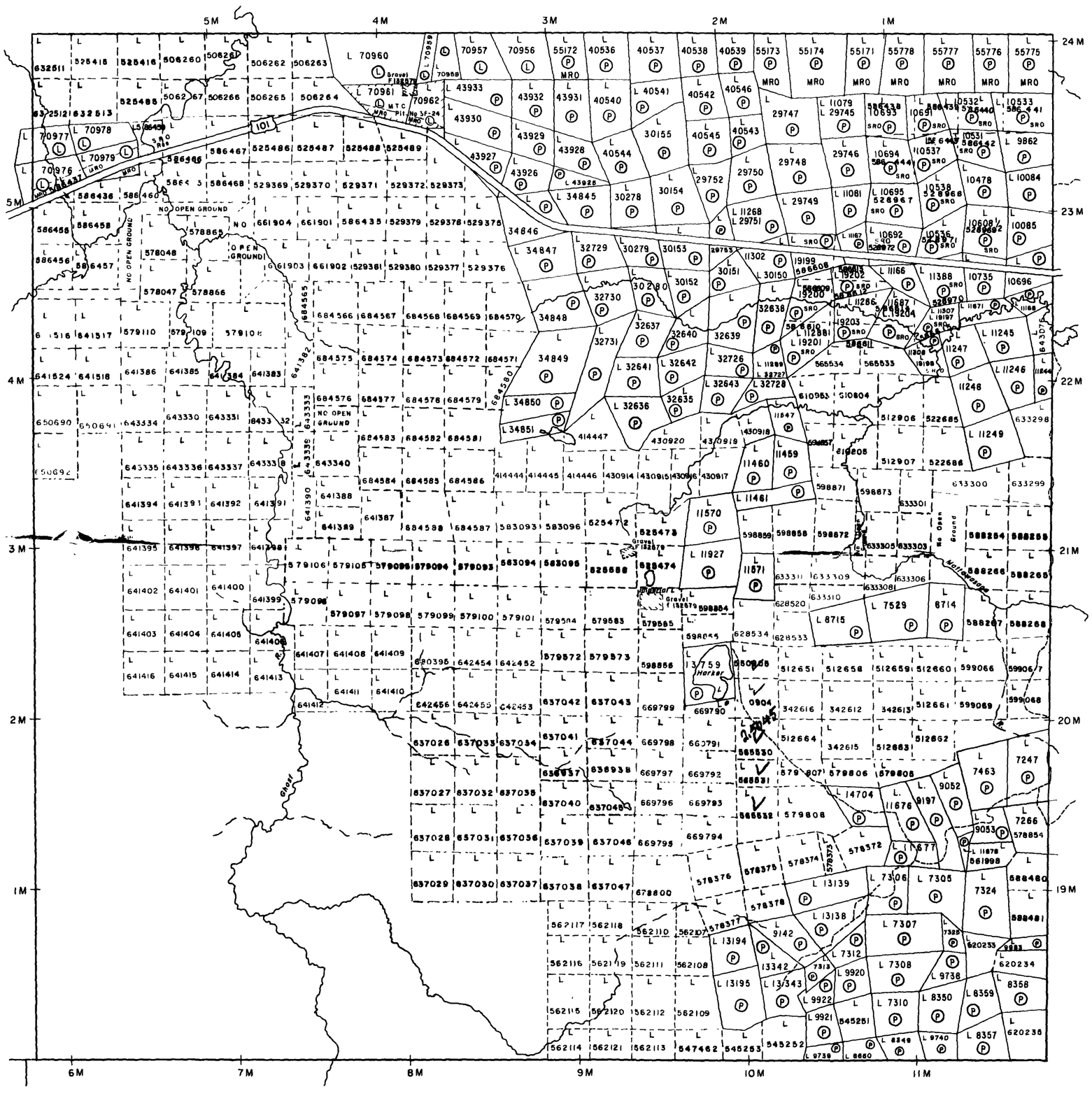
G.C. Kasner Mining Technologist

LAMPLUGH TWP. M-358

GARRISON TWP. M-349

HOLLOWAY TWP. M-356

ELLIOTT TWP. M-347



THE TOWNSHIP
OF

HARKER

DISTRICT OF
COCHRANE

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

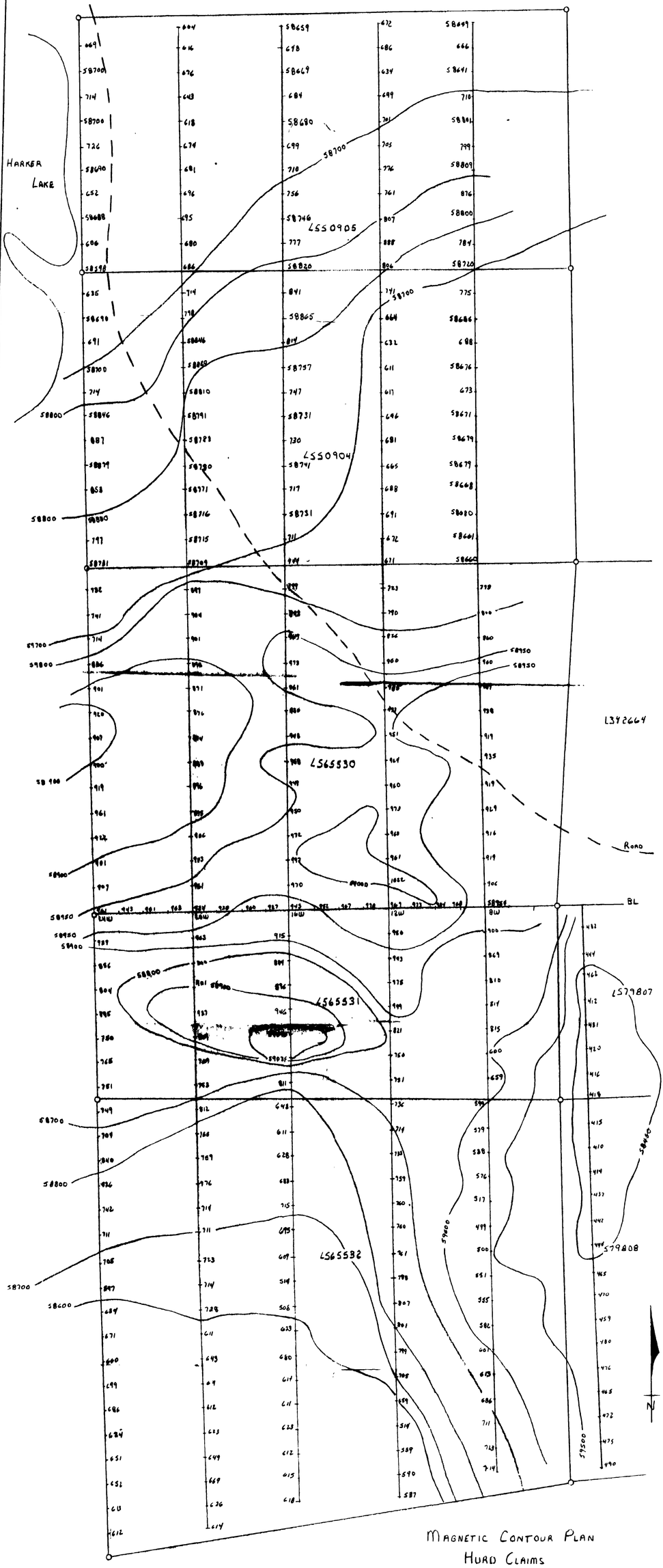
PATENTED LAND	● or (P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	C
PATENTED S.R.O.	●

NOTES

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

PLAN NO. M-353

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH



MAGNETIC CONTOUR PLAN
HURD CLAIMS
HARKER TOWNSHIP PROPERTY
ONTARIO

MAGNETIC DATA FROM SURVEY PERFORMED
BY D F HURD MAY 1982

SCALE 1" = 100 FEET

2.2745