



32D05NE0423 2.4957 HARKER

010

RECEIVED

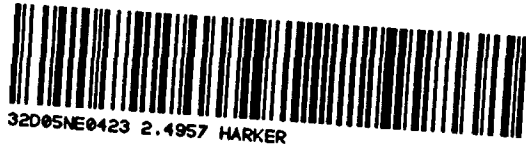
JUL 21 1982

MINING LANDS SECTION

REPORT ON
MAGNETOMETER SURVEY
HURD CLAIMS
HARKER TOWNSHIP
ONTARIO

July 12, 1982.

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



010C

TABLE OF CONTENTS

	<u>PAGE</u>
SUMMARY.....	(i)
INTRODUCTION.....	1
PROPERTY LOCATION, ACCESS.....	1
CLAIMS.....	1
GENERAL GEOLOGY.....	1
MAGNETIC SURVEY.....	2
CONCLUSIONS.....	2

FIGURES AND PLANS

	<u>FOLLOWING PAGE</u>
FIGURE 1 - Claim location plan	1
Magnetic Contour Plan	In pocket

REPORT ON
MAGNETOMETER SURVEY
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 four unpatented mining claims which is part of a block of 26 claims registered to D.F. Hurd. The data for the Magnetometer Survey was supplied by the registered owner.

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

PROPERTY LOCATION, ACCESS

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 accessible by unimproved roads from the highway.

CLAIMS

The claims dealt with in this report are part of a larger group to the northeast, the claim numbers are as follows

L579805
L579806
L579807
L579808

GENERAL GEOLOGY

In the specific case of these claims the geology of the property area is based on projection from outcrop areas. Only one small outcrop of pillow lava may be found on the property and it is located in the northeast quarter of claim L579807. The remainder of the property is covered by heavy overburden conditions of Esker sand, it's depth is not known.

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 four claims to date and a magnetic survey completed.

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

This property is completely overburden covered except for one small outcrop of pillow lava in the northeast quarter of claim L579807.

D.F. Hurd carried out magnetic surveying over the southwest part of the group in May 1982. A north - south linear anomaly slightly above background south of the pillow lava outcrop area is featured.

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 dominant magnetic feature of this survey is a linear anomaly slightly above background striking roughly north - south, south of and including the outcropping of pillow lava. This suggests the presence of a tabular body of rock probably of the same type as the pillow lava to the north relatively closer to outcropping than the surrounding area. The remainder of the property is magnetically flat.

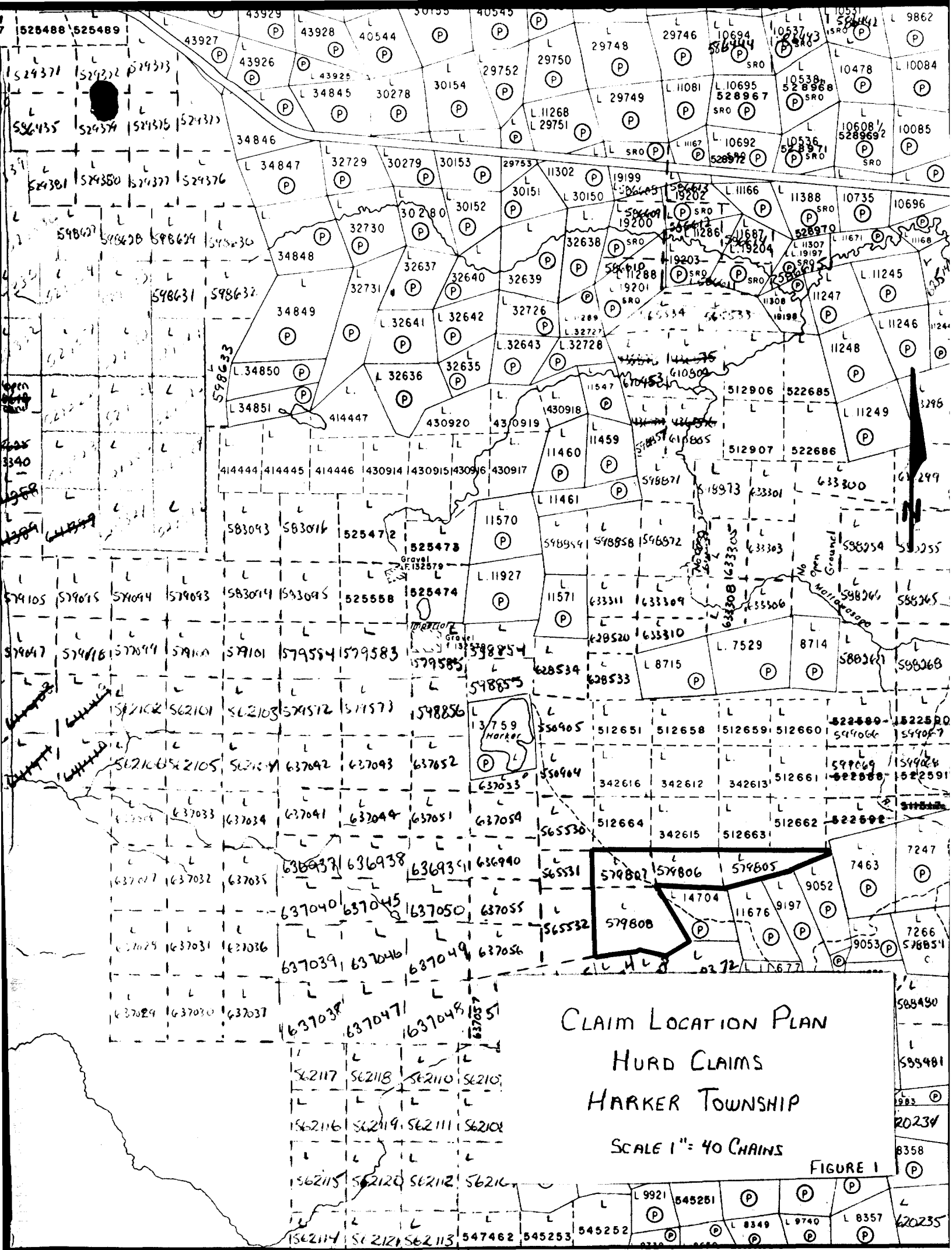
CONCLUSIONS

1. The Hurd property in Harker Township consists of four unpatented claims registered to D.F. Hurd. The property is presently under extension.
2. The Hurd property is almost completely overburden covered by Esker Sands of unknown depth.
3. The results of the magnetic survey indicate a relatively near surface body of pillow lava formation.

Respectfully submitted,



G.C. Kasner Mining Technologist.



CLAIM LOCATION PLAN
 HURD CLAIMS
 HARKER TOWNSHIP
 SCALE 1" = 40 CHAINS
 FIGURE 1

525488 525489

524371 524372 524373
 524374 524375 524376

524381 524382 524383 524384

548627 548628 548629 548630

548631 548632

548633

548634 548635

548636 548637

548638 548639

548640 548641

548642 548643

548644 548645

548646 548647

548648 548649

548650 548651

548652 548653

548654 548655

548656 548657

548658 548659

548660 548661

548662 548663

548664 548665

548666 548667

548668 548669

43929 43928 40544

43926 43925 30278 30154

34846 34847 32729 30279 30153

34848 32730 30280 30152

34849 32731 32637 32640 32639

34850 32641 32642 32726

34851 32643 32635 32728

414447 430920 430919

414444 414445 414446 430914 430915 430916 430917

583093 583016 525472 525478

583017 525474 11570

583018 11571 633311 633309

583019 633310 633308 633307

583020 633306 633305 633304

583021 633303 633302 633301

583022 633300 633300 633300

583023 633300 633300 633300

583024 633300 633300 633300

583025 633300 633300 633300

583026 633300 633300 633300

583027 633300 633300 633300

583028 633300 633300 633300

583029 633300 633300 633300

583030 633300 633300 633300

583031 633300 633300 633300

583032 633300 633300 633300

583033 633300 633300 633300

583034 633300 633300 633300

583035 633300 633300 633300

583036 633300 633300 633300

583037 633300 633300 633300

583038 633300 633300 633300

583039 633300 633300 633300

29748 29746 10694 10537 10538

29750 29749 11081 10695 528967

11268 29751 11081 10692 528972

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

11302 19199 19202 11166 11388

10537 10538 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

10538 528968 10478 10084

Gravel
 132570

Gravel
 132570

Gravel
 132570

Gravel
 132570

Gravel
 132570

Gravel
 132570

Gravel
 132570

Gravel
 132570

Gravel
 132570

Gravel
 132570

13759
 Harker

FIGURE 1



32D05NE0423 2.4957 HARKER

900

1983 06 17

2.4957

Donald F. Hurd
Box 815
18 Taylor Avenue
Kirkland Lake, Ontario
P2N 2L1

Dear Sirs:

RE: Geophysical (Magnetometer)
Survey submitted on Mining Claims L579805 et al in
the Township of Harker

Enclosed is the plan, in duplicate, for the above-mentioned survey. Please provide a legend or explanation showing how the units measured (e.g. gammas) are plotted and indicate the contouring interval.

For further information, please contact Mr. F.W. Matthews at (416) 965-1380.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416) 965-1380

R. Pichette:mc

Encl.

cc: Mining Recorder
Kirkland Lake, Ontario

Mining Lands Comments

- map not signed
- no legend

To: Geophysics *Mr. Barlow*

Comments

Approved Wish to see again with corrections

Date *May 11 1983*

Signature *VR Barlow*

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 *LD*

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

1982 07 30

2.4957

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 597805 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, Ontario

cc: Glenn Kasner
Kirkland, Ontario

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 222 Number of Readings 222
Station interval 100 feet Line spacing 400 feet
Profile scale
Contour interval 50 foot

MAGNETIC

Instrument Geometric Proton Precession
Accuracy - Scale constant +/- 5 Gammas
Diurnal correction method Loop System using base stations and time
Base Station check-in interval (hours) 2.5 hours
Base Station location and value B.L. 2+00 East - 59450

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 _____



Ministry of Natural Resources

Report of Work (Geophysical, Geological, Geochemical and Expenditures)

Lands Admin
115572

Instructions: - Please type or print. #157
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

(file L 579805)

2.4957

The Mining Act

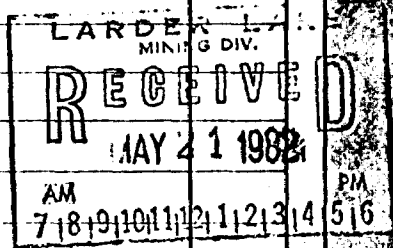
Type of Survey(s) Geophysical Surveys		Township or Area HARKER Twp. 32P/5NW	
Claim Holder(s) Donald F. Hurd		Prospector's Licence No. K11780	
Survey Company		Survey Dates (linecutting to office) May 12N-200FT	Total Miles of line Cut 3.37
Name and Address of Author (of Geo-Technical report) Glenn Kasner 11 Young Ave. Kirkland Lake, Ont.			2.4957

Special Provisions Credits Requested

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
L	579805				
	579806				
	579807				
	579808				



Man Days

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

Airborne Credits

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

Total number of mining claims covered by this report of work. **4**

Report Completed

Date of Report May 21/82	Recorded Holder or Agent (Signature) <i>[Signature]</i>
------------------------------------	--

For Office Use Only

Total Days Cr. Recorded 160	Date Recorded MAY 21 1982	Mining Recorder <i>[Signature]</i>
	Date approved as Recorded July 28/83	Regional Director <i>[Signature]</i>

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
May 21/82

Certified by (Signature)
[Signature]

1362 (81/2)

RECEIVED

JUN - 8 1982

MINING LANDS SECTION

LAMPLUGH TWP. M-358

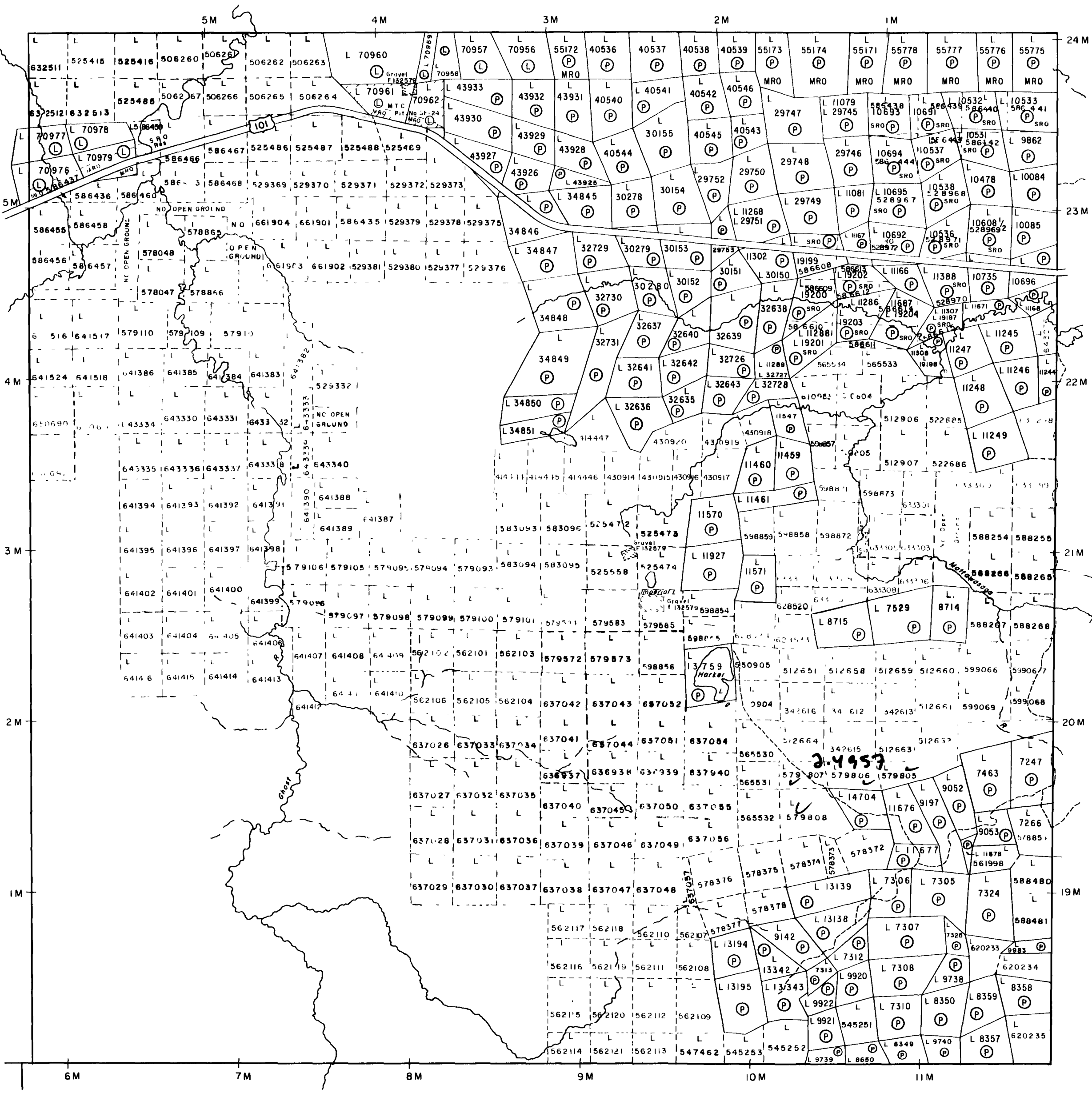
THE TOWNSHIP
OF

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
- PATENTED S.R.O.

NOTES

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

DATE OF ISSUE:
DEC 23 1992
Ministry of Natural Resources
TORONTO

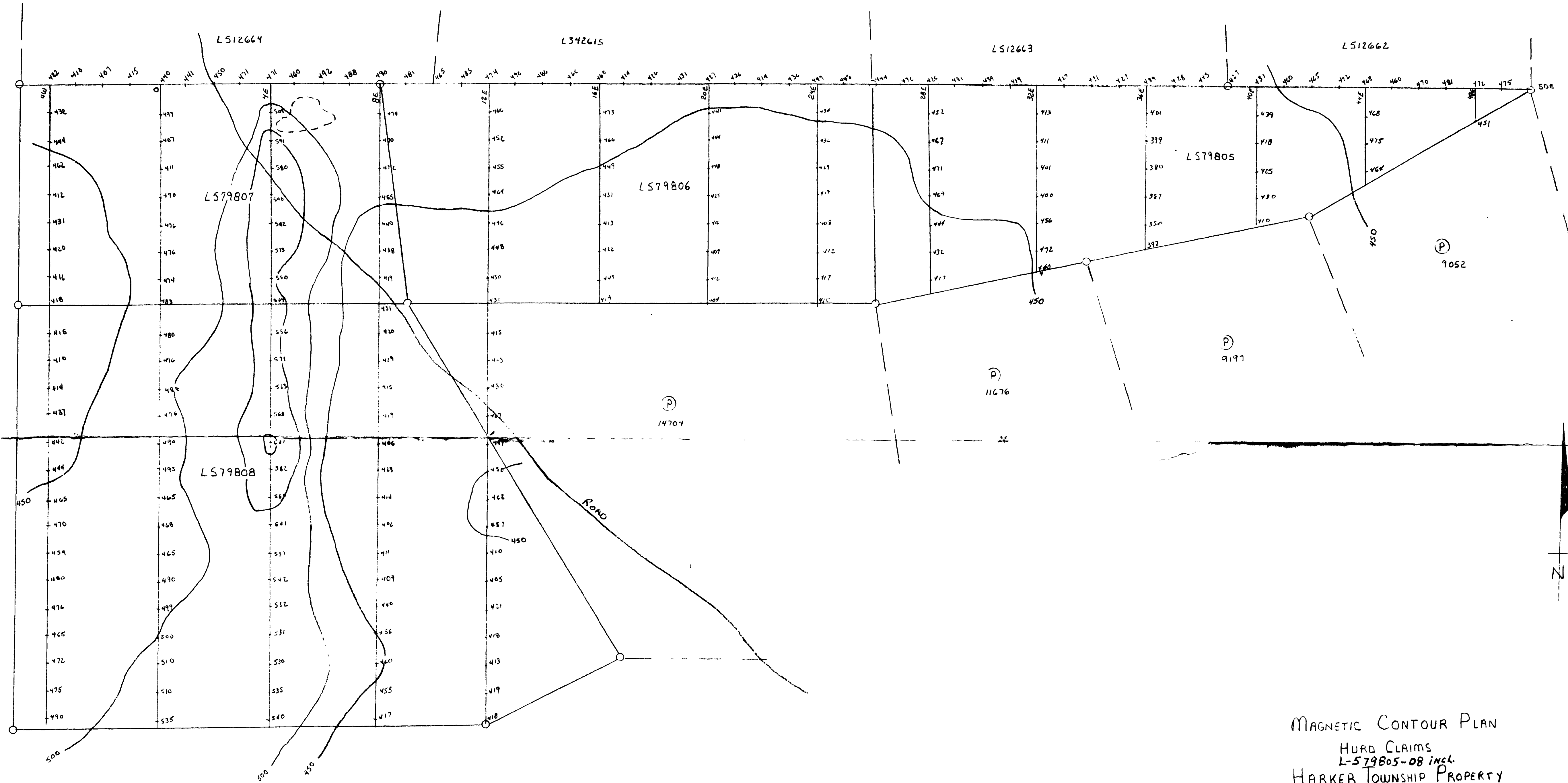
PLAN NO. **M-353**
ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

GARRISON TWP. M-349

HOLLOWAY TWP. M-356

ELLIOTT TWP. M-347





MAGNETIC DATA FROM SURVEY PERFORMED
 BY D.F. HURD MAY 1982

MAGNETIC CONTOUR PLAN
 HURD CLAIMS
 L-579805-08 incl.
 HARKER TOWNSHIP PROPERTY
 ONTARIO

LEGEND: ISOMAGNETIC CONTOUR ———
 CONTOUR INTERVAL 50 GAMMAS
 OUTCROP AREA (---)
 CLAIM LINE & POST —○—

SCALE 1" = 200 FT

