



32005NW0417 2.5783 HARKER

010

RADIOMETRIC SURVEY REPORT

OF THE

D.F.HURD & CLAIMS NOS.

L-550904, 550905, 565530

565531 and 565532

situate in

HARKER TOWNSHIP

LARDER LAKE MINING DIVISION

DISTRICT OF TIMISKAMING

BY

DONALD F. HURD

Prospector

August 20, 1983

RECEIVED

SEP 1 1983

MINING LANDS SECTION



Location Map
Scale: 1:600,000

Figure 1b)



Radiometric Survey Report of the
Harker Township mineral claims
in the Larder Lake Mining Division
District of Timiskaming, Ontario

Introduction:

Harker township claims numbers L-550904, L-550905, L-565530, L-565531 and L-565532 as shown on abstracts were transferred to Donald F. Hurd Lic. K11780 on December 10, 1980 this being the same date on which they had been recorded by Alexander H. Perron K19026.

A geophysical grid was cut and chained on a north-south axis spaced at 400 foot intervals with stations picketed every 100 feet by F. Kernicki, A. Laporte and D. Hurd, period May 5/82 to May 8/82.

Location: This 5 claim group showing L-550905 adjoins the east boundary of Patented claim L-13759 on Harker Lake.

Access: A heavy duty timber road connects Harker Lake with Highway #101 which in turn connects Matheson and the Quebec border roads. Matheson is on Highway #11.

Previous work: On the hilly portion of L-565530 and L-565531 we tried to find bedrock by trenching and sounding rod to a depth of 9 feet without success. Also a magnetometer survey, previously reported, indicated little of significance.

Procedure: A west to east baseline cut by Allan Laporte using a transit was locked into the #3 post of L-550904 which point is 600 feet south of the #2 post (iron pin) of Patented Claim L-13759 on Harker Lake.

Procedure: - cont'd

A second west to east baseline was out by F. Kernicki and D. Hurd, this was locked into the #3 post of L-565530. North-south grid lines nos. 4W, 8W, 12W, 16W, 20W and 24W were out 400 feet apart, chained and picketed at 100 foot intervals, in preparation for radiometric readings.

Topography: Access to these claims is by Highway #101 east from Matheson which is paved, to a point five miles north of Harker Lake served by a gravelled timber road. A rolling to flat sand plain covers the two north claims of this group, i.e. L-550904 and 550905. Farther south on L-56530 and L-56531 higher elevations are noted. Trenching and use of a sounding rod to a depth of nine feet failed to reach bedrock.

Geology: - Rock outcrops are absent on these claims however noted a half mile to the east are lava flows, andesite, basalt, diabasic lava with some pillows noted facing southeast. Contacts appear to strike northeast and are sometimes replaced or intruded by bands of rhyolite.

Radiometric Survey: Base station used was at juncture of the Kernicki Baseline and Line 4 West which gave a constant reading of 6 counts per minute. Readings were taken with a McPhar TVI Scintillometer (with new batteries) at each 100 foot picket along the grid lines. Base station was checked 6 times during dates of the survey, June 17th and 18th, 1983. As noted on the map in the pocket of this report radiometric values are consistently low. No further such work appears warranted in that immediate area.

Respectfully submitted,
Donald F. Hurd
Donald F. Hurd
Prospector

August 20/83

Certification:

Donald F. Hurd, prospector, 18 Taylor Avenue, Kirkland Lake, Ontario hereby certifies that:

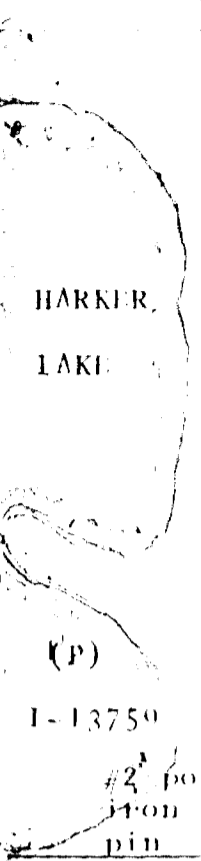
1. He has been prospecting for economic mineral deposits since August 1934 until this date in various areas of Canada.
2. Prospecting for uranium (U308) using scintillometers in numerous areas included the Beaverlodge area in northern Saskatchewan in 1953, 1954, 1955, the Blind River area in Ontario in 1953, Bancroft-Ontario 1952, Rankin Inlet-N.W.T. 1971-2, Churchill-Manitoba 1973-4, and the Dubawnt Lake area-N.W.T. for Urangesellschaft in 1978.


Donald F. Hurd
Prospector

August 20/83

1-628534

1-628533



CPM	CPM	CPM	CPM	CPM	CPM	Zero Line
7	8	4	6	11	9	36+00N
5	.11	.7	.9	.12	.7	35N
14	.9	.5	.4	.7	.12	34N
10	.9	.7	.11	.14	.10	33N
13	.7	.6 (550905)	.9	.12	.8	32N
9	.11	.12	.10	.10	.9	31N
11	.0	.8	.78	.7	.10	30N
14	.8	.8	.7	.6	.4	29N
10	.7	.6	.6	.8	.7	28N
11	.9	.7	.8	.8	.6	27N
13	.14	.9	.9	.11	.9	26N
16	.11	.11	.10	.7	.7	25N
14	.9	.4	.6	.7	.3	24N
9	.7	.7	.5	.4	.6	23N
10	.3	.5 (550904)	.11	.5	.11	22N
15	.7	.9	.7	.9	.6	21N
14	.8	.4	.8	.12	.8	20N
11	.9	.12	.10	.9	.9	19N
5	.7	.8	.6	.10	.7	18N
7	.4	.9	.7	.14	.11	17N
8	.8	.15	.3	.5	.6	16N
0	.5	.7	.8	.7	.8	15N
4	.7	.7	.9	.10	.12	14N
						LAPORTE BASELINE
11	.9	.11	.13	.15	.9	13N
18	.15	.4	.17	.11	.7	12N
9	.11	.12	.20	.7	.14	11N
12	.17	.9	.9	.6	.12	10N
7	.4	.6	.10	.13	.9	9N
14	.0	.12 (565530)	.17	.6	.10	8N
0	.5	.8	.8	.5	.7	7N
16	.15	.7	.7	.9	.19	6N
4	.7	.9	.11	.12	.5	5N
15	.17	.5	.18	.6	.15	4N
8	.4	.3	.7	.11	.12	3N
4	.11	.14	.13	.21	.7	2N
17	.9	.9	.6	.5	.8	1N
6	.8	.4	.12	.11	6cpm 0.8	KERNICKI BASELINE
11	.4	.6	.11	.9	.12	1S
16	.16	.9	.13	.14	.23	2S
7	.9	.7 (565531)	.8	.7	.5	3S
11	.14	.5	.9	.14	.11	4S
10	.10	.12	.6	.9	.9	5S
23	.17	.11	.9	.7	.12	6S
5	.7	.9	.10	.9	.11	7S
4	.7	.11	.14	.12	.8	8S
12	.17	.21	.9	.8	.5	9S
11	.9	.75 (565532)	.11	.19	.8	10S
9	.7	.8	.6	.7	.9	11S
17	.11	.9	.8	.6	.6	12S
16	.14	.10	.7	.7	.5	13S
0	.8	.4	.6	.4	.3	14S
8	.7	.5	.15	.7	.5	15S
19	.8	.16	.11	.17	.7	16S
7	.4	.9	.7	.5	.6	17S
0	.9	.7	.7	.9	.11	18S
18	.7	.8	.11	.14	.10	19S

1-512651

1-342616

1-512664

1-579807

1-579808

HARKER LAKE

(P) I-13750

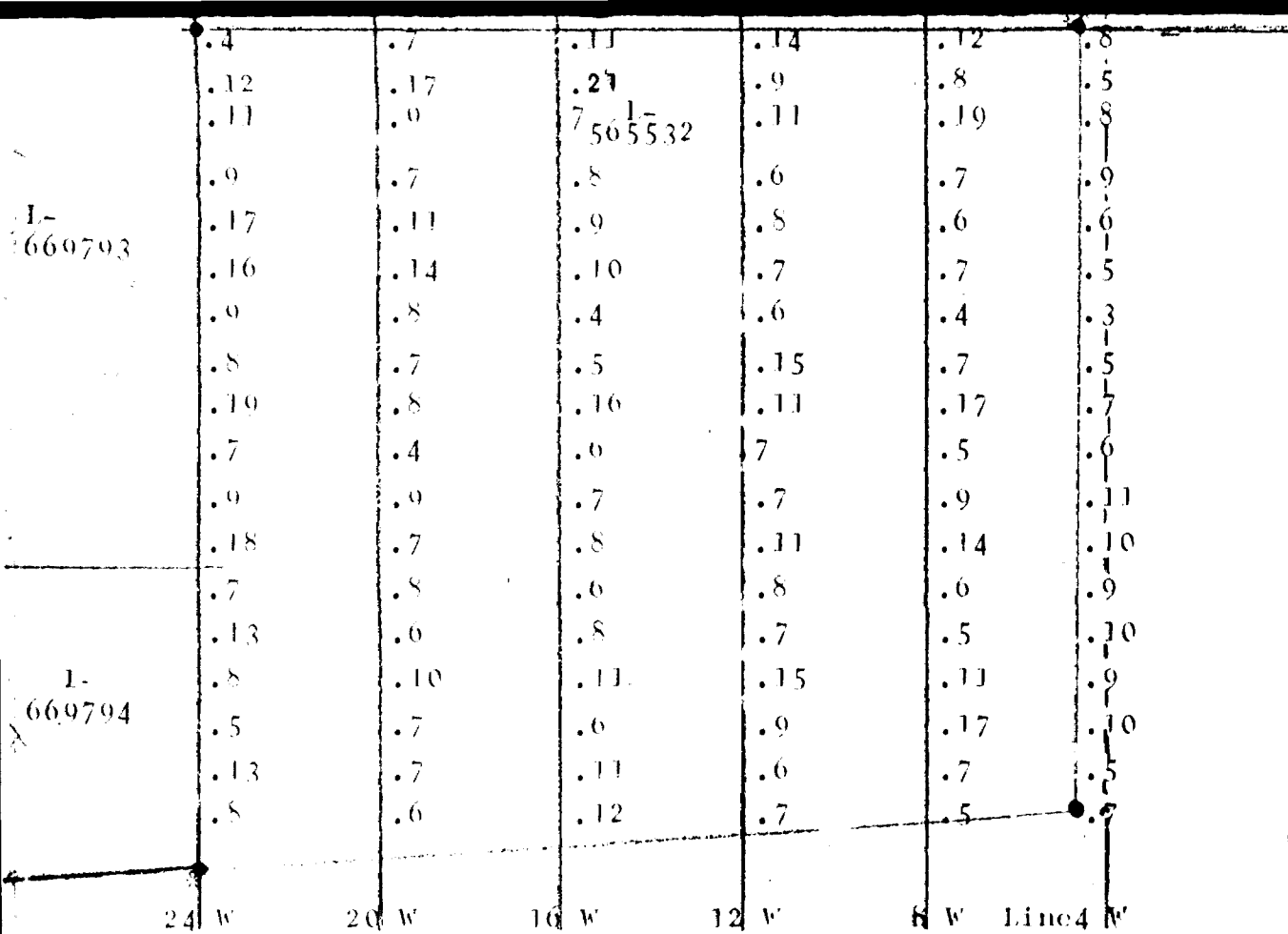
#2 post station pin

I-669790

I-669791

I-669792

I-669793



8S
9S
10S
11S I=579808
12S
13S
14S
15S
16S
17S
18S
19S
20S
21S
22S
23S
24S
25S

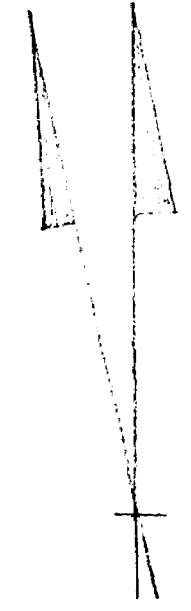
I-669793

I-669794

I-578375

I-578374

MAG. 12W
NORTH ASTR.



GROUND RADIOMETRIC SURVEY
HARKER TOWNSHIP
HARDER LAKE MINING DIVISION
DISTRICT OF TEMISKAMING
SCALE 1 inch = 400 feet
MINERAL CLAIMS NUMBERS
I-550904-5
I-565530-1-2
Claim Holder- Donald F. Hurd
Lic. K11780
Drawn by D.F. Hurd
August 20/83

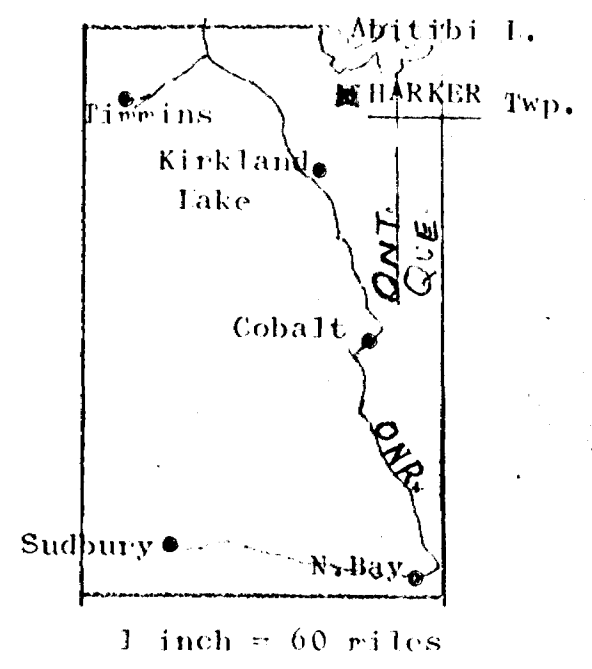
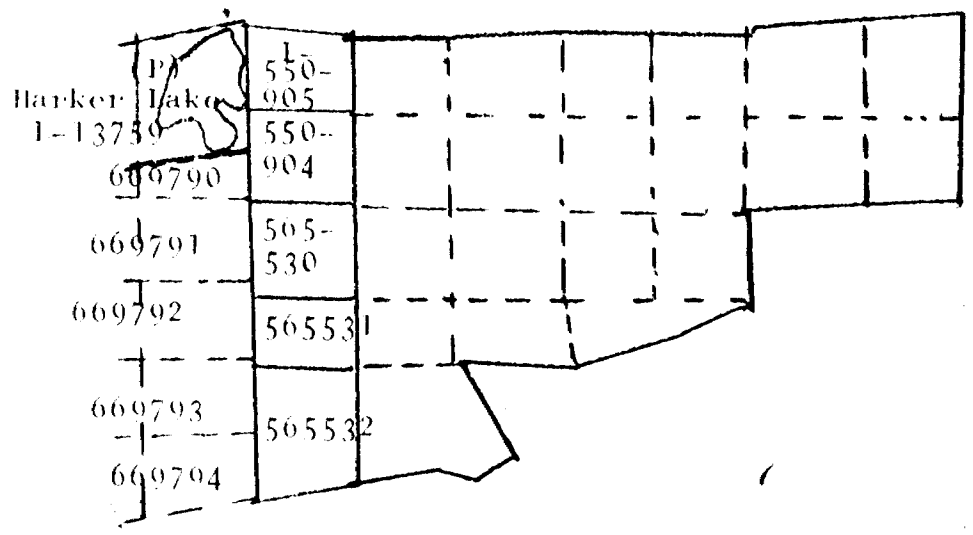
SYMBOLS

- Base Station
- Claim Post
- Lake
- Claim Line

Instrument:
McPhar TV-1
Scintillometer
(new batteries)

KEY MAPS

Location - Southeast portion of
Harker township - Harker Lake Area
Scale 1 inch = 40 chains



*Author of Report + Map -
Donald F. Hurd.
25783. Sec 14/83*



Ministry of
Natural
Resources

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

File
L550C
2.5'



32D05NW0417 2.5783 HARKER

900

#177

The Mining Act

Do not use shaded areas below.

Type of Survey(s): **RADIOMETRIC**

Township or Area: **HARKER Twp**

Claim Holder(s): **DONALD F. HURD**

Prospector's Licence No.: **K 11780**

Address: **18 TAYLOR AVE, KIRKLAND LAKE, ONT. P2N 2L1**

Survey Company: *see above*

Date of Survey (from & to):
 Day | Mo. | Yr. | Day | Mo. | Yr.
 10 | 5 | 82 | 10 | 6 | 82

Total Miles of line Cut: **6.9**

Name and Address of Author (of Geo-Technical report):
2.5783

Special Provisions Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	20 40
	- Magnetometer	
	- Radiometric	
	- Other	
For each additional survey: using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
borne Credits	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Note: Special provisions recorded in this report do not apply to Airborne Surveys.

RECEIVED
JUL 18 1983

Mining Claims Traversed (List in numerical sequence)

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

LARDER LAKE MINING DIV.
RECEIVED
JUN 30 1983
AM 7 18 19 10 11 12 1 12 13 14 15 16 PM

Expenditures (excludes power stripping)

Type of Work Performed on Claim(s): **MINING LANDS SECTION**

Calculation of Expenditure Days Credits

Total Expenditures: \$ ÷ 15 =

Total Days Credits:

Total number of mining claims covered by this report of work: **5**

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.

Recorded Holder or Agent (Signature):
June 30/83 *D. Hurd*

For Office Use Only

Total Days Cr. Recorded: **100**

Date Recorded: **JUN 30 1983**

Date Approved as Recorded: **83:12:12**

Mining Recorder: *[Signature]*

Branch Director: *[Signature]*

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: *[Blank]*

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 366 Number of Readings 366
Station interval 100 feet Line spacing 400 feet
Profile scale (Instrument)
Contour interval Radiometric 10 cpm McPhar TV1

MAGNETIC

Instrument
Accuracy - Scale constant
Diurnal correction method
Base Station check-in interval (hours)
Base Station location and value

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 McPhar TVI Scintillometer

Values measured 3 CPM to 23 CPM (thorium only)

Energy windows (levels) T1=0.2 MEV. (Total) T2=1.6 MEV. (uranium + thorium) T3=2.5 MEV.

Height of instrument 2 feet Background Count 6 CPM

Size of detector 1" X 1 1/4"

Overburden No outcrop. Flat sand plain in north half of group. Hilly in south part of group (due to possible (type, depth - include outcrop map)

bedrock. Depth of overburden undeterminative.

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Sand and gravel.

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 _____



Mining Lands Comments

~~marked for approval~~
 - map, not signed ✓

To: Geophysics

R. Barlow

Comments

Approved

Wish to see again with corrections

Date
Oct 18/83

Signature
RRL

To: Geology - Expenditures

Comments

Approved

Wish to see again with corrections

Date

Signature

To: Geochemistry

Comments
L.D.

Approved

Wish to see again with corrections

Date

Signature

To: Mining Lands Section, Room 6462, Whitney Block.

(Tel: 5-1380)

DONALD F. HURD
EXPLORATION

18 TAYLOR AVENUE,
KIRKLAND LAKE, ONTARIO,
CANADA, P2N 2L1
(705) 567-3868

~~For early reply:~~
P. O. BOX 815,
P2N 3K4

RECEIVED Land Management Branch	<input type="checkbox"/>	<input type="checkbox"/>
	COPIES TO BE MADE	
DATE		
TIME		
BY		
REMARKS		

Dec. 14/83

Your file no. 2.5783

Mr. E.F.Anderson,
Director,
Land Management Branch,
Ministry of Natural Resources,
Whitney Block, Room 6643,
Queen's Park,
Toronto, Ont.
M7A 1W3

Dear Sir: to att'n Mr. F.W.Matthews please

Enclosed please find signed duplicate copies geophysical
(radiometric) survey map of mining claims L-550904-5,
L-565530-1-2 in the township of Harker, Larder Lake Mining
Division.

Yours truly,

Donald F. Hurd
Donald F. Hurd

RECEIVED

DEC 15 1983

MINING LANDS SECTION

Encl. - 2

December 7, 1983

2.5783

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

Dear Sir:

RE: Geophysical (Radiometric) Survey submitted under
Special Provisions (credit for Performance and Coverage)
on Mining Claims L 550904 et al in the Township of Harker

Enclosed are the plans, in duplicate, for the above-mentioned survey. Please have the author of the report date and sign each map and return them to this office.

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 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416)965-1380

A. Anderson:mc

Encl.

cc: Mining Recorder
Kirkland Lake, Ontario

177

1983 09 08

2.5783

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
(Radiometric) 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: 416/965-1380

A. Barr:sc

cc: Donald F. Hurd
18 Taylor Avenue
Kirkland Lake, Ontario
P2N 2L1

2.5783

RAD

L 550905

✓

64

✓

565530

✓

31

✓

32

✓

LAMPLUGH TWP. M-358

THE TOWNSHIP OF
OF
HARKER

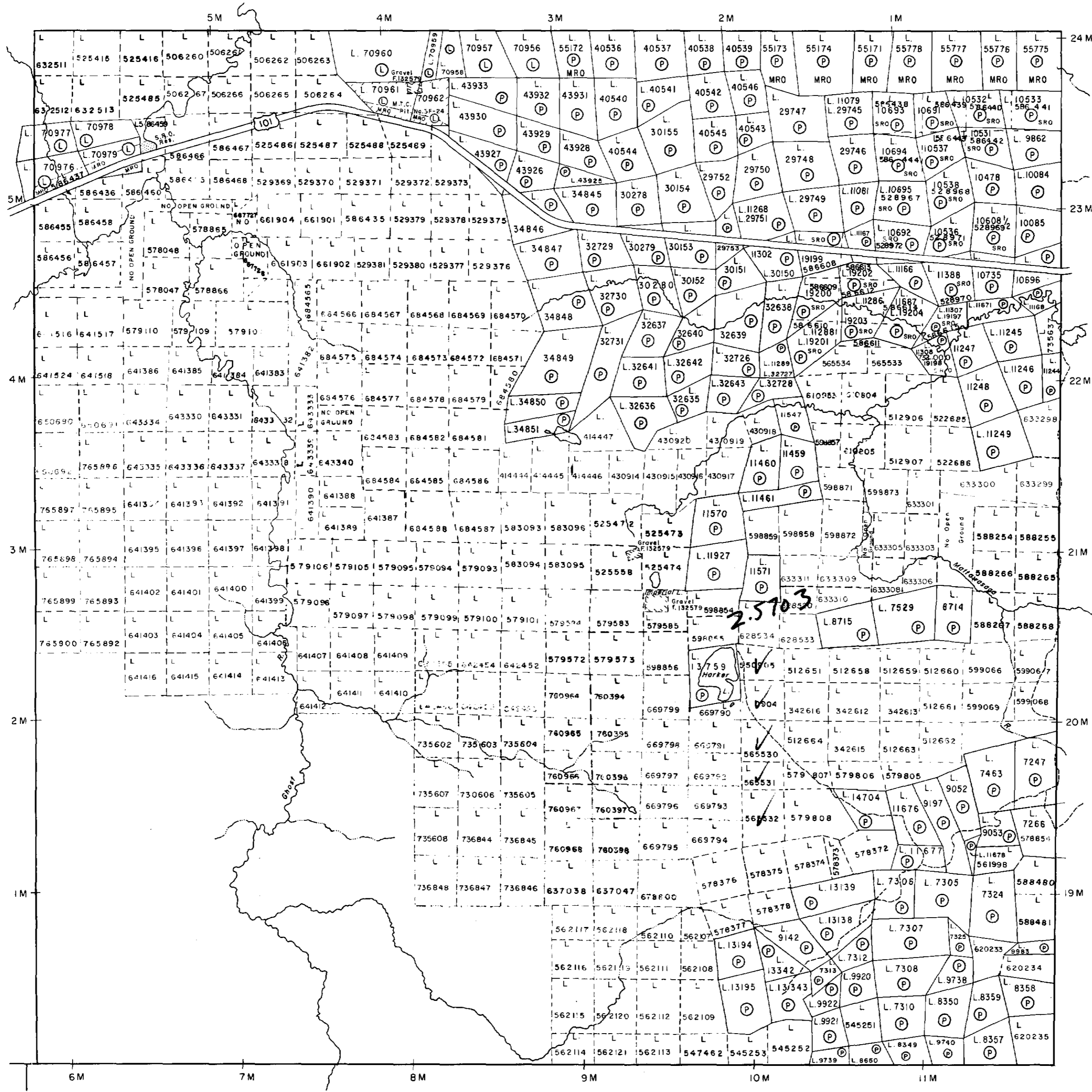
DISTRICT OF
COCHRANE

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

GARRISON TWP. M-349

HOLLOWAY TWP. M-356



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 1 1993
Ministry of Natural Resources
TORONTO

PLAN NO. **M-353**

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

