REPORT ON

AIRBORNE GEOPHYSICAL SURVEYS

IN

HARKER AND ELLIOT TOWNSHIPS

ONTARIO

PERREX RESOURCES INC.

BY

H. FERDERBER GEOPHYSICS

OCTOBER 30, 1985

FENTON SCOTT, P. ENG.

INTRODUCTION

An airborne geophysical survey was carried out over a claim group in Harker and Elliot Townships, Cochrane District of Ontario, by H. Ferderber Geophysics.

Data was collected on VLF and magnetometer responses. The survey was flown from a base at Rouyn, Quebec. The portion of the survey over and adjacent to the 162 Perrex claims was 216 miles.

PURPOSE OF SURVEY

The survey was designed to provide data which would:

1. Permit an interpretation of geological structures through recording variations in the magnetic mineral content of the formations underlying the survey area.

2. Identify potentially economic mineral concentrations which may have marked variations in accessory magnetic minerals.

3. Identify linear structures, such as major shear zones, which may result in current concentrations of VLF-signals. Such structures may contain economic minerals, notably precious metals.

4. Identify shallow, potentially valuable metallic sulfide deposits whose lower electrical resistances give resultant secondary VLF-EM fields.

SURVEY AREA

The survey covered a claim block in Harker and Elliot Townships, Larder Lake Mining Division, Ontario. The 162 mining claims included in the survey are shown on the map in an attached pocket.

EQUIPMENT

The aircraft used in this survey was a Cessna 172 owned and operated by H. Ferderber Geophysics. The sensors for geophysical data were mounted in modified wing tip installations.

Magnetometer The instrument used was a GEM GSM - 18 BA proton precession type. The sensitivity of the device was set at 2 gammas at a 1 second sampling rate. Analogue data was recorded on paper on-board.

VLF - EM System The instrument used was a Herz Totem 1 A. The total field and vertical resultant field was recorded on analogue tape. The transmitter station for this survey was Seattle, Washington, at a frequency of 24.8 kiloherz. The system was accurate to 1%.

SURVEY METHOD

The aircraft was flown at a terrain clearance of 250 feet. Navigation consisted of reference to an air mosaic, with manual fiducials recorded on the mosaic simultaneously with the geophysical tapes.

Line direction was Northwest-Southeast, and line spacing was 1/12 mile (440 feet).

DATA PRESENTATION

Flight lines, fiducials points, and geophysical responses are shown on air photo mosaics at a scale of 1/15, 840 (quarter mile). These mosaics also show the outlines of the claim group, together with enough claim numbers to permit identification.

Magnetic Contour Maps Correction of the aeromagnetic data for diurnal variation was by reference to a cross-line. The corrected profiles were then reduced to appropriate field strength intervals, and presented as contours at 20 gamma intervals.

VLF EM Maps The axes of conductivity were selected on each analogue tape, and transferred to the mosaics with reference to fiducials points. These axes are further discriminated between those conductors showing a variation in total field strength, and those whose position only relates to "crossover" points on the resultant vertical field geometry.

DISCUSSION OF RESULTS

Magnetometer Survey

A series of linear magnetic highs and lows trend northeast across the claim group. These trends probably represent variations in magnetite content in dark volcanics.

Two irregular magnetic highs to 2000 gammas over background in the northeast sector of the claims are interpreted as magnetite content of unmapped ultramafic intrusives in one case, and as magnetite in syenite in the northern case.

VLF-EM Survey

The majority of the VLF-Em conductor axes appear to reflect bedrock features.

These conductor axis systems have been identified by numbers for discussion purposes.

1), 2), 3), and 4)	Isolated features on the south flank of a magnetic high
5)	Coincides with a magnetic high
6)	Extends for 7000 feet along a magnetic high, lines up with Ghost Lake gold occurence
7)	Extends for 4000 feet along a magnetic high
8)	Isolated, in magnetic low, on strike with disseminated pyrite gold occurence
9)	Isolated
10), 11), and 17)	Magnetic map suggest these trends are related to same rhyolite horizon
12)	Extends for 4000 feet along a magnetic high
13)	Crosscutting, questionable trend
14)	Definite bedrock trend on south flank of magnetic high
15)	Similiar geology to 13 .
16)	Crosscutting trend reflecting linear and related responses to north trending fault (?) . zone
17)	Isolated
18)	Sheared rhyolite contact on strike with Iris #2 showing
19)	Conductivity in magnetic low may reflect shear zone, overburden with quartz veins in vicinity
20)	Northeast bedrock feature related to sheared rhyolite-basalt contact
21), 22)	Isolated, outside claim block

HARKE

6M 7M 8M

19M 17M 16M 15M

5M 4M 3M

No OPEN GROUND

Ghost Lake

Maqusi River

2.16 mi

28657

ANNAHILL TWP M. 390

W850800361

Ministry of Natural Resources
Ontario

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

2.81

32D12SW0066 2.8657 ELLIOTT

900

File L667068

The Mining Act

Type of Survey(s)	Township or Area
Airborne VLF-EM and Magnetic	Harker and Elliot

Claim Holder(s)	Prospector's Licence No.
Alexander H. Perron	K 19026

Address: 103 Government Road East, Kirkland Lake, Ontario, P2N 1A9

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
H. Ferderber Geophysics Ltd.	13 09 85 (Day Mo. Yr.) – 14 09 85 (Day Mo. Yr.)	123.35

Name and Address of Author (of Geo-Technical report): Fenton Scott, 17 Malabar Place, Don Mills, Ontario M3B 1A4

Credits Requested per Each Claim in Columns at right

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

Man Days		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	40
	Magnetometer	40
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	667068				
	see attached list				

LARDER LAKE MINING DIV.
RECEIVED
SEP 30 1985
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

RECEIVED
OCT 22 1985
MINING LANDS SECTION

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures				Total Days Credits
$	÷	15	=	

Total number of mining claims covered by this report of work: 125

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.

For Office Use Only		
Total Days Cr. Recorded: 9480	Date Recorded: SEP 30 1985	Mining Recorder
	Date Approved as Recorded: 86.3.19	Branch Director

Date	Recorded Holder or Agent (Signature)
Sept. 23, 1985	

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: Harry Ferderber, 169 Perreault Avenue
Val d'Or, Quebec J9P 2H1

Date Certified	Certified by (Signature)
Sept. 23, 1985	

1362 (81/9)

CLAIM LIST
(125 CLAIMS IN ELLIOTT AND HARKER TWPS.)

Elliott Twp.

667068	802708	821813	821878	822185
69	802751	14	79	822328
70	803430	15	80	29
71	31	16	81	30
667838	32	17	82	31
39	33	18	83	32
40	34	19	84	33
41	35	20	85	822557
42	36	21	86	58
46	37	22	87	59
47	38	23	88	
48	39	24	89	Harker Twp.
738902	803604	25	90	
05	05	26	91	802002
06	803790	27	92	802701
07	821800	28	93	802954
08	01	29	94	
10	02	30	95	
802004	03	31	96	
05	04	32	97	
802699	05	33	98	
802700	06	34	99	
802702	07	821872	900	
03	08	73	901	
04	09	74	822181	
05	10	75	82	
06	11	76	83	
07	12	77	84	

Enter 40 Mag only on claim listed below:

		Airborne	
L 667068 -	40 days	Airborne	Mag
667069 -	40	✓	✓
667070 -	40 days	✓	✓
667071 -	40 days	✓	✓
667838 -	40 days	✓	✓
667839 -	40 days	✓	✓
667839 -	40 days	✓	✓
667841 -	40 days	✓	✓
667842 -	40 days	✓	✓
667846 -	40 days	✓	✓
667847 -	40 days	✓	✓
667848 -	40 days	✓	✓
802002 -	40 days	✓	✓

Entry on all other claims should be for:

40 days Airborne EM

40 day Airborne Mag.

Ministry of Northern Development and Mines

Ontario

Geotechnical Report Approval

File 2.8657

Mining Lands Comments

Denison Scott has returned the plans with additional information. This is one of about eight files which have been sent back for the same reason. Are we to accept them if they come back in the same format as this one? If not - what exactly is required?

☑ To: Geophysics R. Barlow

Comments

OK

☑ Approved ☐ Wish to see again with corrections | Date March 6/86 | Signature R Barlow

☐ 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 6610, Whitney Block. (Tel: 5-4888)

1593 (B5/12)

Mining Lands Section

File No 2.8657

Control Sheet

TYPE OF SURVEY

✓ GEOPHYSICAL

____ GEOLOGICAL

____ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

Ok all claims covered.

Signature of Assessor

Date

L.D.

Ray

Just thought you might want to see the final outcome on this. Could we have some kind of policy directive for future cases? Just leave this on my desk when you're finished.

L.

Go with it!

This is a very odd case & does not warrant any kind of directive

L.

Fenton Scott Management Inc.
17 Malabar Place, Don Mills, Ontario M3B 1A4
416-444-1717

Mr. R. Pichette
Land Management Branch
Ministry of Natural Resources
Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

February 21, 1986

Dear Mr. Pichette:

Re: File 2.8657

At the request of Perrex Resources , I enclosed two revised copies of the airborne VLF-EM surveys.

Cordially yours,

Fenton Scott

Fenton Scott Management Inc.
17 Malabar Place, Don Mills, Ontario M3B 1A4
416-444-1717

Ms Mary Green
Perrons
103 Government Road East
Kirkland Lake, Ontario
P2N 1A9

February 21, 1986

Dear Ms Greer:

I have forwarded to the Department of Mines the copies of Perrons VLF-EM surveys of Harker and Elliot Townships, which you sent to me for amendment.

The revision shows the ° field distortion at maximum couple and also at 90° thereto. From an economic or geological stand point, this information is useless.

For ethical and professional reasons, I cannot be party to the dissemination of essentially false and misleading information. Therefore, the revised maps that were furnished to the Department contain the following notice:

WARNING

THE NUMBERS SHOWN AT EACH CONDUCTOR AXIS LOCATION ARE A FUNCTION OF THE RESULTANT OF THE PRIMARY AND SECONDARY ELECTROMAGNETIC FIELD GEOMETRY IN RELATION TO THE DETECTOR COILS.

THESE NUMBERS ARE PRESENTED ON DIRECT INSTRUCTION OF THE ONTARIO DEPARTMENT OF MINES, IN ORDER TO QUALIFY THIS SURVEY AS ASSESSMENT WORK.

THERE IS NO RELATIONSHIP BETWEEN THE NUMBERS AND THE PHYSICAL PROPERTIES OF THE INTERPRETED CONDUCTOR AXES. THEY CAN NOT BE USED TO DISCRIMINATE BETWEEN THE FEATURES INDICATED ON THIS MAP.

When you receive any other maps from the Department, please send them to me for addition of the required data. I do not retain copies of these surveys.

Cordially yours,

Fenton Scott

cc: R. Pichette
Mining Lands Branch

February 12, 1986 File: 2.8657

Alexander H. Perron
103 Government Road East
Kirkland Lake, Ontario
P2N 1A9

Dear Sir:

RE: Airborne Geophysical (Magnetometer and Electromagnetic) Surveys submitted on Mining Claims L 667068, et al, in Harker and Elliott Townships

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Returned herein is the VLF plan (in duplicate) for the above-described surveys. This report was reviewed by Mr. R. Barlow, Chief Geophysicist, Ontario Geological Survey and he has stated that the data must be profiled or some method of classifying anomalies be shown.

Please show this information on both plans and return them to this office, quoting file 2.8657.

For further information, please contact Susan Hurst at (416) 965- 4888.

Yours sincerely,

S.E. Yundt, Director
Land Management Branch

Mining Lands Section
Whitney Block, 6th Floor
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

SH/mc

cc: Fenton Scott
17 Malabar Place
Don Mills, Ontario
M3B 1A4

Mining Recorder
Kirkland Lake, Ontario
#361

Encl.

Ministry of Natural Resources
Ontario

Geotechnical Report Approval

File 2.8657

Mining Lands Comments

cpls - see attached letter from A. Scott. Is this file acceptable as assessment work with no contours on profiles? Yes

☑ To: Geophysics R Barlow

Comments

- suggested to author by phone that he supply the profiles of some method of classifying anomalies

RECEIVED
JAN 28 1986
MINING LANDS SECTION

☒ Approved	☑ Wish to see again with corrections	Date Jan 24/85	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)

Fenton Scott Management Inc.
17 Malabar Place, Don Mills, Ontario M3B 1A4
416-444-1717

Ms. Susan Hurst
Land Management Branch
Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

December 27, 1985

Dear Ms. Hurst:

Your file: 2.8657

Re: Airborne Geophysical Survey
Harker And Elliot Townships

Your request for contoured or profiled VLF plans has been directed to me for reply.

I have advised my client, H. Ferderber Geophysics not to present VLF data in profile or contour form, for the following reasons.:

1) VLF contouring is merely a method of data presentation, designed to focus attention on conductor axis location, with some detail lost in the required smoothing techniques. A more straightforward presentation is the location of the conductor axes.

2) VLF profiling does not permit discrimination in presentation between obvious conductive overburden sheets and features of potential economic bedrock mapping interest.

Except for the effects of dip and interference from adjacent conductive features, airborne VLF profiles are essentially similar, varying only in amplitude.

Since there is no relationship between VLF amplitude and conductivity/ thickness product, profile presentation will obscure valid interpretation.

I note that your department has been accepting airborne EM surveys for over 20 years without requesting contours or profiles, nor is such a requirement present in the Regulations. I would be quite happy to discuss this matter with Departmental geophysicists.

Cordially yours,

Fenton Scott

cc: H. Ferderber Geophysics

Ontario Ministry of Natural Resources

1985 12 18 File: 2.8657

Alexander H. Perron
103 Government Road East
Kirkland Lake, Ontario
P2N 1A9

Dear Sir:

RE: Airborne Geophysical (Magnetometer & Electromagnetic) Surveys submitted on Mining Claims L667068, et al, in Harker & Elliott Townships.

In order to complete the above-described submission, please forward (in duplicate) a VLF plan showing the contoured or profiled values. When submitting this material, please quote File 2.8657.

For further information, please contact Susan Hurst at (416) 965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

.SH:bc

cc: Mining Recorder
Kirkland Lake, Ontario
#361

cc: Harry Ferderber
169 Perreault Avenue
Val d'Or, Quebec
J9P 2H1

Ministry of Natural Resources
Ontario

Geotechnical Report Approval

File 2 8657

Mining Lands Comments

Is it necessary to get a plan showing contoured VLF values?

Ans/

☑ To: Geophysics R. Barlow

Comments

– no - provided profiles are prepared

☑ Approved ☐ Wish to see again with corrections | Date Dec 11/85 | Signature R 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

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

1593 (81/10)

REGISTERED

November 20, 1985 Report Of Work #361

Alexander H. Perron
103 Government Road East
Kirkland Lake, Ontario
P2N 1A9

Dear Sir:

RE: Mining Claims L 667068, et al,
in Harker & Elliot Townships

I have not received the reports and maps (in duplicate) for Airborne Geophysical (Electromagnetic & Magnetometer) Surveys on the above-mentioned claims.

As the assessment "Report of Work" was recorded by the Mining Recorder on September 30, 1985 the 60 day period allowed by Section 77 of the Mining Act for the submission of the technical reports and maps to this office will expire on November 29, 1985.

If the material is not submitted to this office by November 29, 1985 I will have no alternative but to instruct the Mining Recorder to delete the work credits from the claim record sheets.

For further information, please contact Mr. Arthur Barr at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

AB/mc

cc: Fenton Scott - 17 Malabar Place - Don Mills, Ontario M3B 1A4
Mining Recorder - Kirkland Lake, Ontario
Encl.

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) AIRBORNE MAGNETOMETER AND VLF-EM

Township or Area ELLIOT, HARKER

Claim Holder(s) ALEXANDER H. PERRON

Survey Company H. FERDERER GEOPHYSICS

Author of Report FENTON SCOTT

Address of Author 17 MALABAR PLACE, DON MILLS.

Covering Dates of Survey 13/09/85 14/09/85
(linecutting to office)

Total Miles of Line Cut 123.35

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	
–Radiometric	
–Other	
Geological	
Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer 30 Electromagnetic 30 Radiometric _____
(enter days per claim)

DATE: Nov. 3/85 SIGNATURE: Fenton Scott
Author of Report or Agent

Res. Geol. _____ Qualifications 63.1263

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

L 667068
(prefix) (number)
ET AL.
LIST ATTACHED

If space insufficient, attach list

RECEIVED
NOV 22 1985
MINING LANDS SECTION

TOTAL CLAIMS 125

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 _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

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 _____

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)	VLF-EM	MAGNETOMETER
Instrument(s) (specify for each type of survey)	TOTEM 1A	GEM GSM 19BA
Accuracy (specify for each type of survey)	1%	2 GAMMAS
Aircraft used	CESSNA 172	
Sensor altitude	250 FEET	250 FEET

Navigation and flight path recovery method VISUAL NAVIGATION, MANUAL FIDUCIALS ON AIR PHOTO MOSAICS

Aircraft altitude 250' Line Spacing 400'

Miles flown over total area 216 Over claims only 94

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 _____

_____

_____

_____

_____

_____

_____

_____

_____

_____

CLAIM LIST
(125 CLAIMS IN ELLIOTT AND HARKER TWPS.)

Elliott Twp.

667068	802708	821813	821878	822185
69	802751	14	79	822328
70	803430	15	80	29
71	31	16	81	30
667838	32	17	82	31
39	33	18	83	32
40	34	19	84	33
41	35	20	85	822557
42	36	21	86	58
46	37	22	87	59
47	38	23	88	
48	39	24	89	Harker Twp.
738902	803604	25	90	
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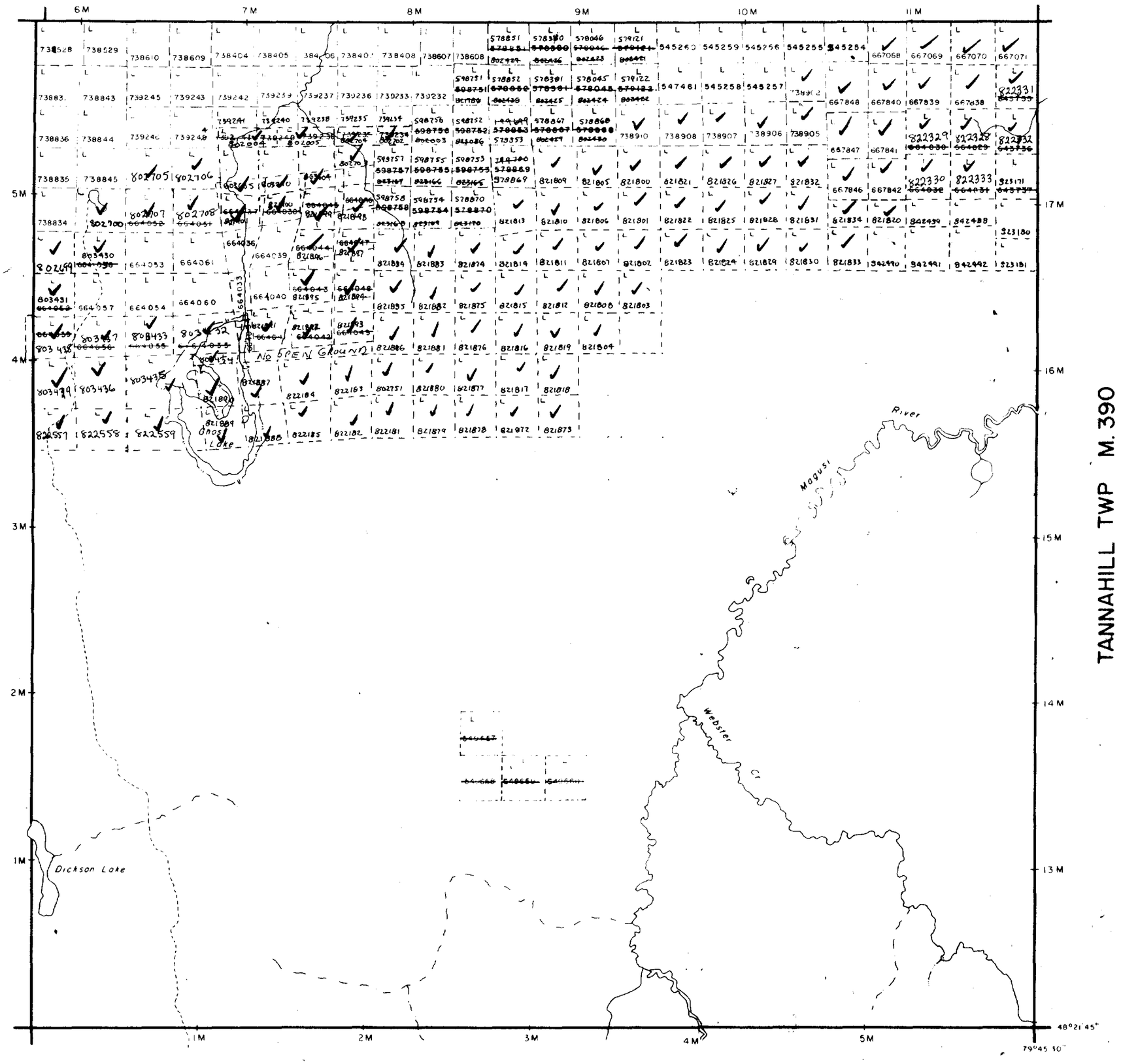
06	803790	27	92	802701
07	821800	28	93	802954
08	01	29	94	
10	02	30	95	
802004	03	31	96	
05	04	32	97	
802699	05	33	98	
802700	06	34	99	
802702	07	821872	900	
03	08	73	901	
04	09	74	822181	
05	10	75	82	
06	11	76	83	
07	12	77	84	

HARKER TWP M. 353

THACKERY TWP M. 394

TANNAHILL TWP M. 390

CLIFFORD TWP M. 338



NOTES

400 surface rights reservation along the shores of all lakes and rivers

MAY 2 1 1985

LEGEND

PATENTED LAND	P or
PATENTED FOR SURFACE RIGHTS ONLY	
LEASE	L
LICENSE OF OCCUPATION	L.O.
CROWN LAND SALES	C.S.
LOCATED LAND	Loc.
CANCELLED	C.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
HIGHWAY & ROUTE NO.	17
ROADS	
TRAILS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	

*used only with summer resort locations or when space is limited

TOWNSHIP OF

ELLIOTT

DISTRICT OF

COCHRANE

LARDER LAKE

MINING DIVISION

SCALE : 1 INCH 40 CHAINS (1/2 MILE) #4

DR. JBK

DATE 20 Aug 71

PLAN NO. M. 347

ONTARIO

MINISTRY OF NATURAL RESOURCES

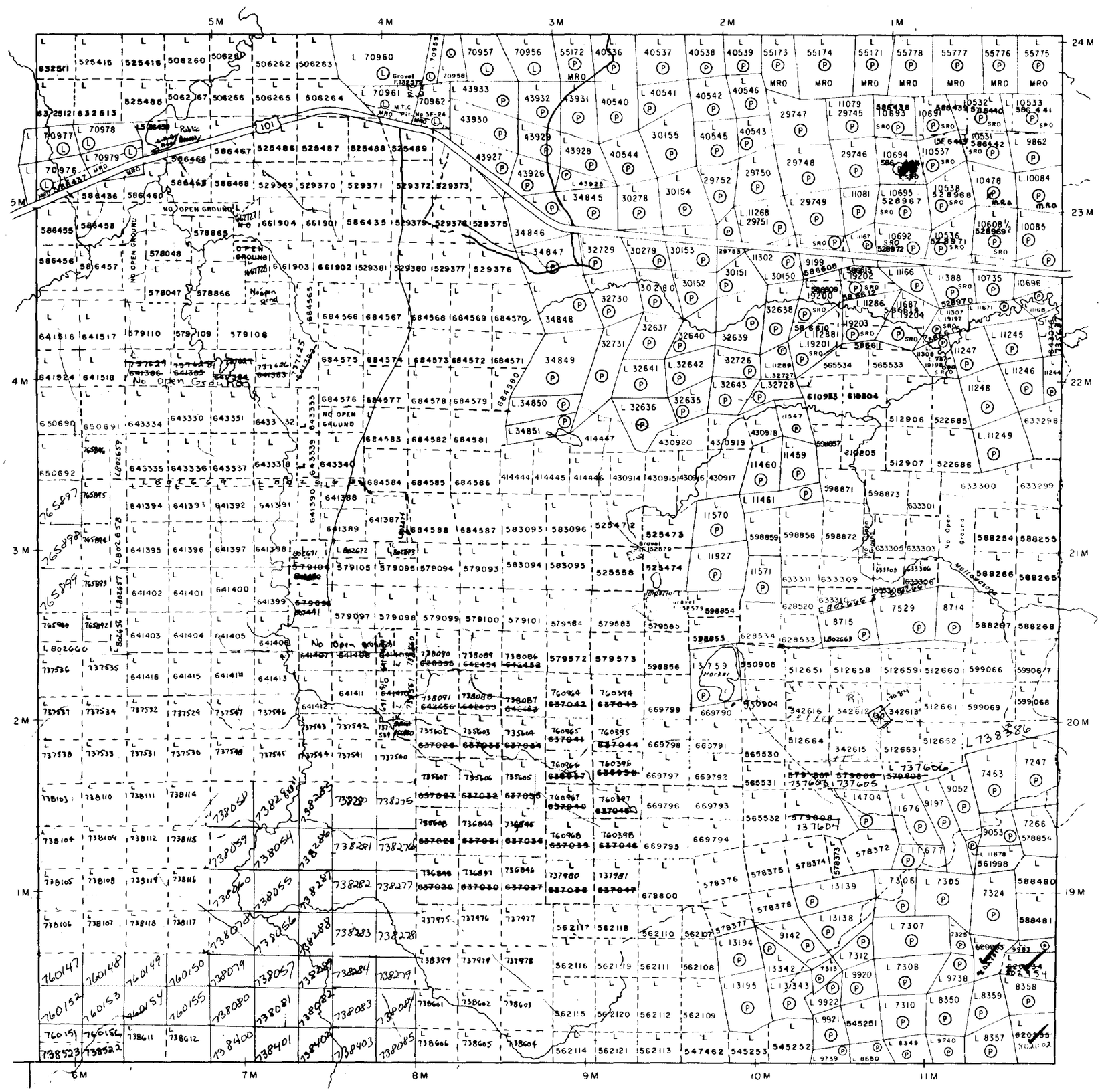
SURVEYS AND MAPPING BRANCH

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

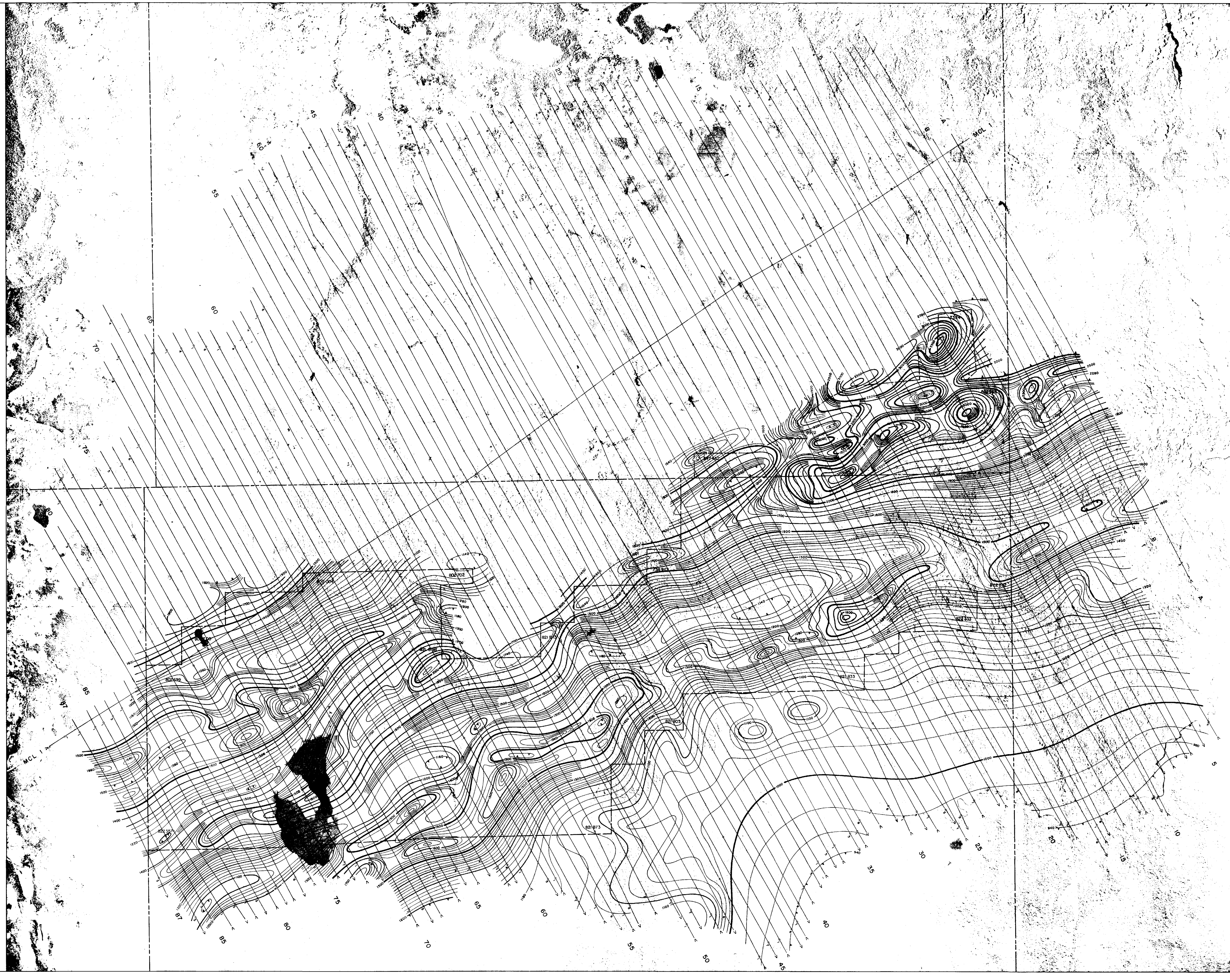
400' Surface Rights reservation along the shores of all lakes and rivers.

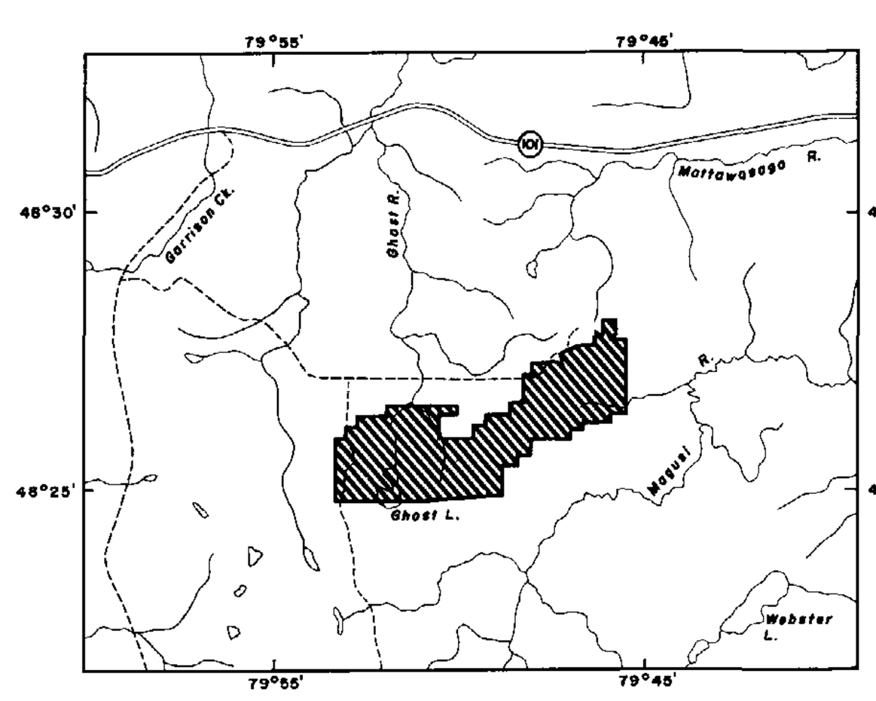
July 18/85

#2

PLAN NO. M-353

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH





LEGEND

CONTOUR INTERVAL .... 20 GAMMAS
500 GAMMA
100 GAMMA
20 GAMMA
MAGNETIC LOW
BASE VALUE .... 58,000 GAMMAS

28657

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PERREX RESOURCES INC.

AIRBORNE MAGNETIC SURVEY

GHOST LAKE AREA

INTERPRETED BY: F. SCOTT	N.T.S. 32 D/5	DATE: SEPT. 1985
SCALE: 1" = 1320'	0 1000 2000 3000 Feet	PLATE 1M

J-1510 D/85

32D12SW0066 2.8657 ELLIOTT

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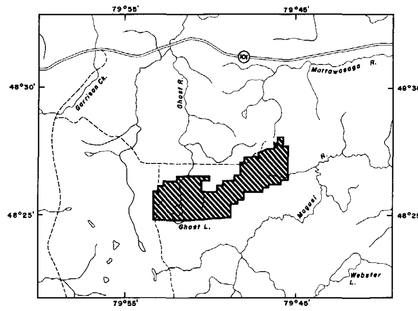

N

Angular field distortion (%)

90° field distortion (%)

LEGEND

CONDUCTOR AXIS

CONDUCTOR AXIS WITH QUADRATURE FIELD

INTERPRETATION

OVERBURDEN RESPONSE

BEDROCK RESPONSE

WARNING

THE NUMBERS SHOWN AT EACH CONDUCTOR AXIS LOCATION ARE A FUNCTION OF THE RESULTANT OF THE PRIMARY AND SECONDARY ELECTROMAGNETIC FIELD GEOMETRY IN RELATION TO THE DETECTOR COILS.

THESE NUMBERS ARE PRESENTED ON DIRECT INSTRUCTION OF THE ONTARIO DEPARTMENT OF MINES, IN ORDER TO QUALIFY THIS SURVEY AS ASSESSMENT WORK.

THERE IS NO RELATIONSHIP BETWEEN THE NUMBERS AND THE PHYSICAL PROPERTIES OF THE INTERPRETED CONDUCTOR AXES. THEY CAN NOT BE USED TO DISCRIMINATE BETWEEN THE FEATURES INDICATED ON THIS MAP.

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PERREX RESOURCES INC.

AIRBORNE V.L.F.-EM SURVEY

GHOST LAKE AREA

INTERPRETED BY: F. SCOTT	N.T.S. 32 D/5	DATE: SEPT. 1985
SCALE: 1"=1320' 0 1000 2000 3000 FEET		PLATE 1v

J-15100/85