



32D12SW0084 2.5599 HARKER

010

INTERPRETATION REPORT

ON A

HORIZONTAL LOOP ELECTROMAGNETIC SURVEY

UNION OPTION

PROJECT 010-44

HARKER TOWNSHIP, NORTHERN ONTARIO

**RECEIVED**  
JUN 7 1983  
MINING LANDS SECTION

CANAMAX RESOURCES INC.

Timmins, Ontario  
May 1983

A. Watts  
Geophysicist



320125W0084 2.5599 HARKER

010C

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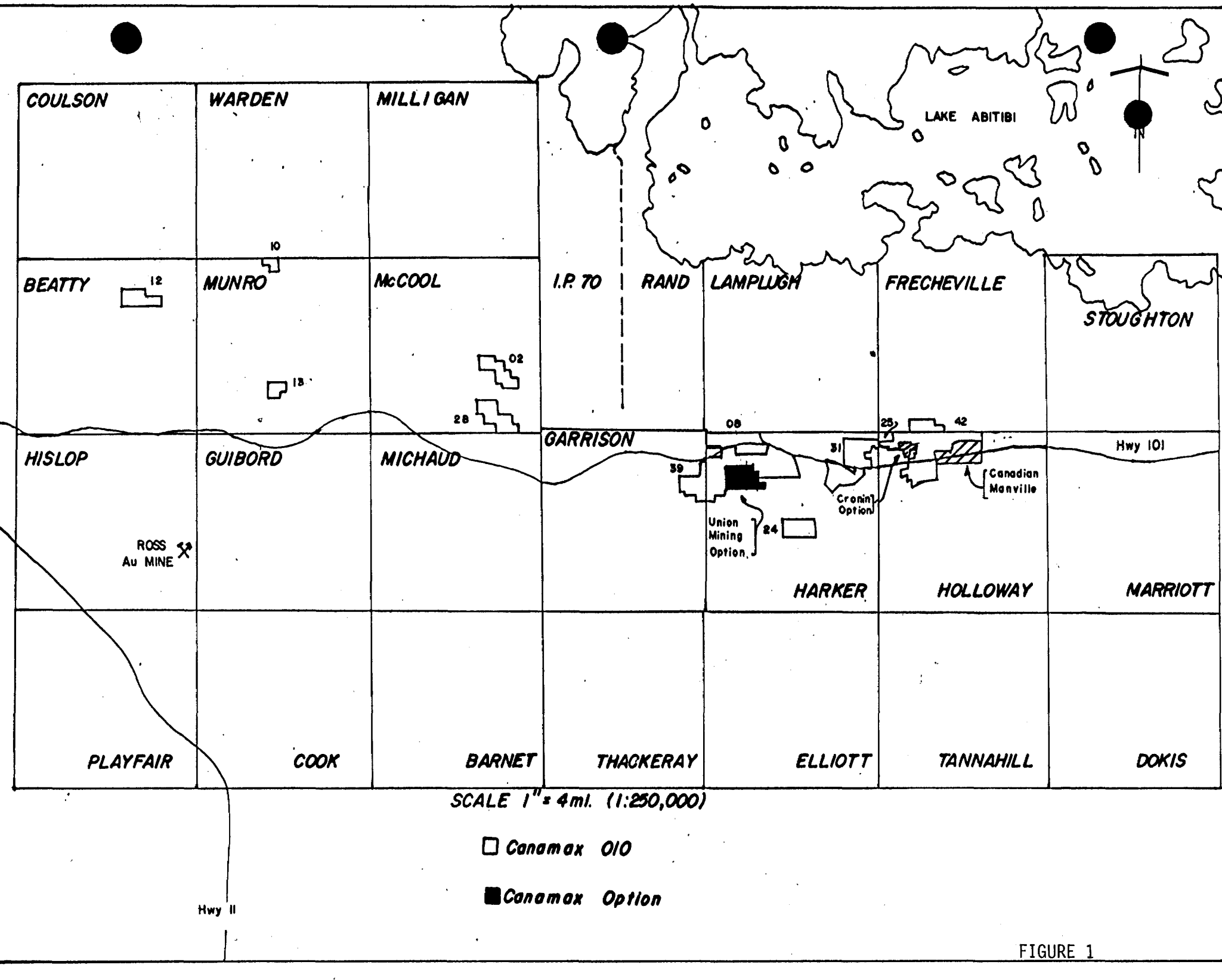
## INTRODUCTION

During August 1982, John Hussey, geophysical contractor from Timmins, carried out a horizontal loop electromagnetic survey, using the Apex Max-Min II system, on a group of seven (7) claims in Harker township, Northern Ontario, for Amax Minerals Exploration, now Canamax Resources Inc.

A total of twelve (12) kilometres of surveying was carried out at two frequencies, 1777 Hz and 444 Hz. The purpose of the survey was to delineate zones of enhanced sulphide content and/or structural weaknesses, in the vicinity of a syenite stock, in an attempt to locate possible Au-bearing structures.

## LOCATION AND ACCESS

The claim group is located in northwestern Harker township in the Larder Lake Mining Division of Ontario. Access is gained by following Highway 101, 44 kilometres eastwards from Matheson. Secondary logging roads leading south from the highway give access to the property, to the east and west of the Ghost River.



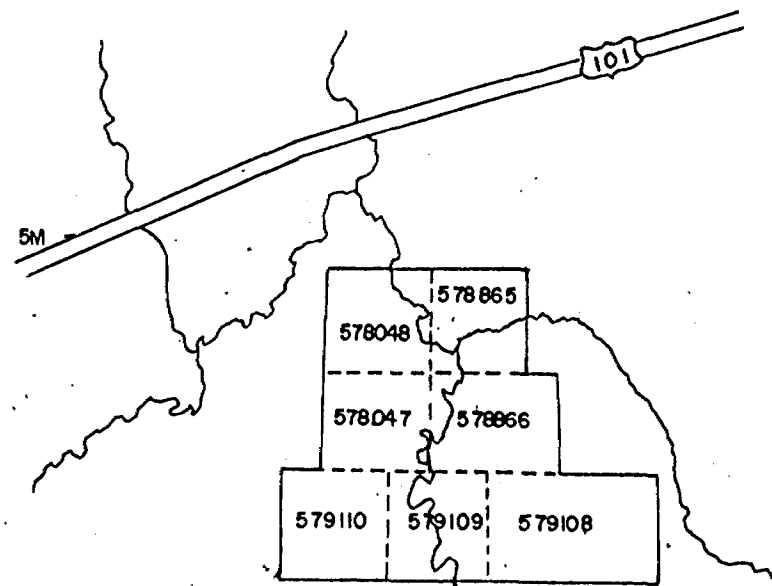
SCALE 1" = 4 mi. (1:250,000)

- Canamax OIO
- Canamax Option

FIGURE 1



HARKER TOWNSHIP



CLAIM SKETCH  
Harker Township  
UNION OPTION  
010-44

Scale: 1" = 1/2 mile

## TOPOGRAPHY AND RESOURCES

The group consists of generally flat, well drained land lying within the floodplain of the Ghost River. Relief is limited to 25 to 30 metres and is expressed along a north-east trending outcrop ridge which cuts across claims L-578047 and L-578865.

Outcrop is sparse, accounting for less than 1% of the land area and is limited to the ridge noted above. Soil cover consists of clay and boulder till. Much of the property was clear cut and no evidence of replanting is seen. Areas of high ground have been re-seeded in dense poplar and alder groves.

The Ghost River crosses the centre of the group and flows northward.

## PREVIOUS WORK

Information relating to exploration programmes conducted by Dale Gold Mines Ltd. (1946-47) and Union Mining Corporation (1981) is available from the Regional Geologists' office in Kirkland Lake and at the Canamax Resources Inc. Timmins office.

Work performed by Dale Gold Mines included a detailed 1:2400 scale magnetic survey performed with a torsion balance magnetometer and on a surveyed grid. Follow-up drilling consisted of

seven (7) diamond drill holes (AX) totalling 1530 metres. The core from this programme has been located on the Canamax 010-39 claim group at 3230W, 1240S. The original order and hole number cannot be determined, however, gold values were substantiated by random sampling of the core.

The Dale drill holes intersected a sequence of silicified pyritiferous sediments, oxide iron formation, talc-chlorite schist and fine to coarse grained syenite. The positioning of the Dale drill holes and description in the drill logs, indicates that low grade gold mineralization was intersected in pyritiferous hybrid rocks along the syenite-country rock boundary (see Amax Geological Survey Map, 1982). Talc-chlorite rock is interpreted by the author to represent fault zone material forming a trace of the Porcupine-Destor Fault.

Extensive pitting and trenching was carried out on outcrops of cherty sediment iron formation exposed in claim L-578047. This work was performed by the Dale Gold Mines Company.

Union Mining acquired the present seven (7) claims during 1980 and 1981. A 17 line mile grid was established with 200 foot spacings. Ground magnetic and V.L.F. surveys were carried out and submitted for assessment credit (1981).

## GENERAL GEOLOGY

The geology of Harker township was described by J. Satterly of the Ontario Department of Mines in Report Vol. LX, Part VII, 1951. A re-interpretation of the area was made by L. Jensen of the Ontario Geological Survey on maps released during 1982 (P.2433-4).

Using the nomenclature of Jensen, the township can be broken up into three (3) groups. The southern and central parts of the township are underlain by iron-rich tholeiitic-mafic volcanic flows belonging to the Kenojevis Group. These volcanic flows are relatively barren of economic mineralization but may contain mineralized horizons of interflow sediments. Extensive underground development was carried out at the Harker gold property in southeastern Harker township. This occurrence is hosted in siliceous interflow rocks and a fault-fissure type vein system. Syenite and lamprophyre dyke rocks were reported in the underground workings.

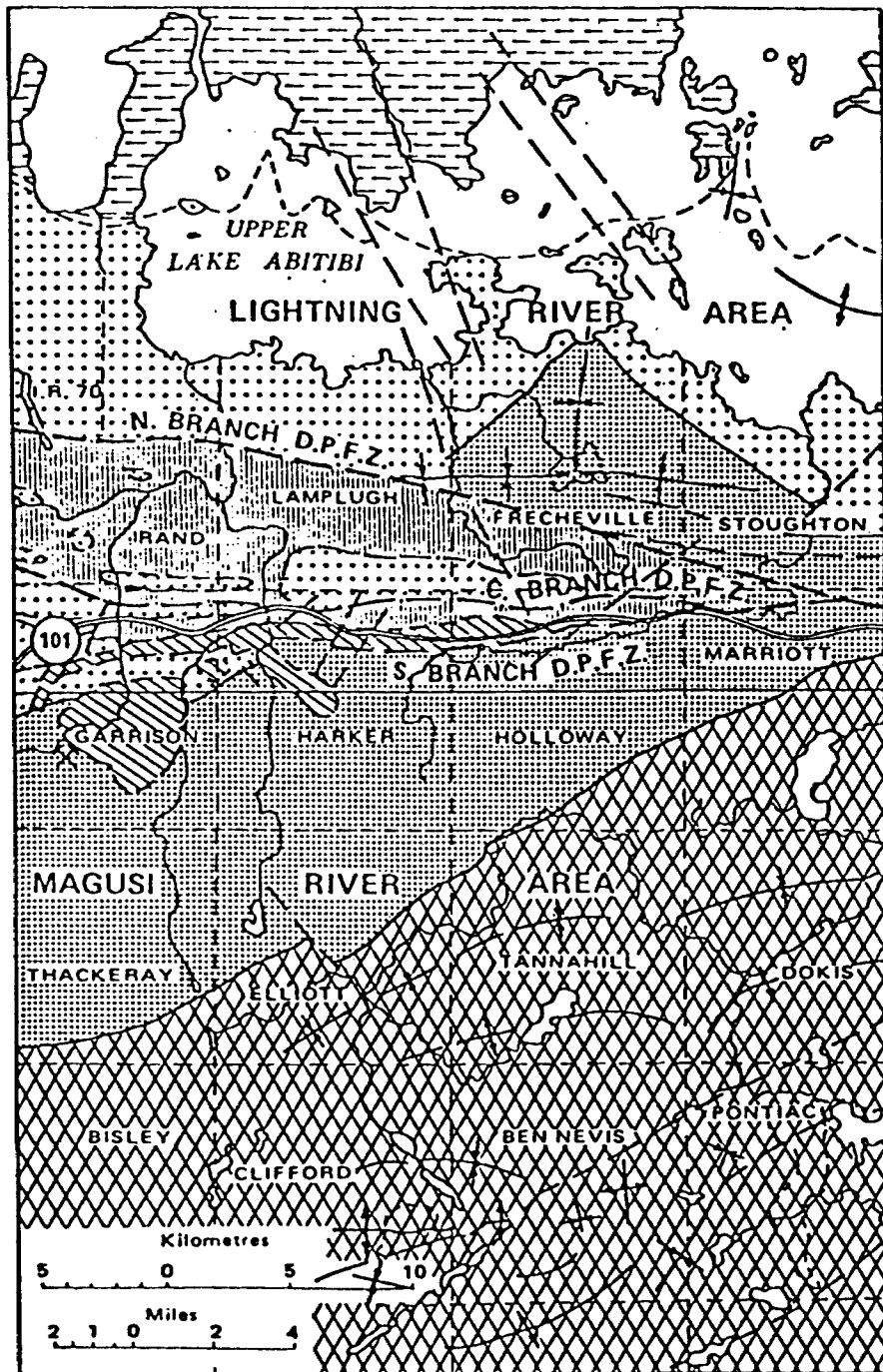
Lying to the north of the Kenojevis Group are the fault bounded sedimentary rocks of the Porcupine-Destor Fault. These rocks consist of clastic wacke and arkosic sediments with interbedded chemogenic sediments such as chert and iron formation. Work by Canamax during the 1981-82 field seasons has substantiated that economic gold potential exists within the chemical sediments, related to sulphide accumulations either as (1) disseminated pyrite in chert and greywacke or (2) in sulphide facies iron formation.



Syenitic intrusions lying immediately south of the Porcupine-Destor Fault have been exploited for gold. In adjacent Garrison township, the 'Garrison Mine' was operated as a small, 300 to 400 thousand tonne open pit during 1981. The mineralization in this deposit occurred as gold in pyrite within hydrothermally altered basaltic rock. The mine was located adjacent to a large syenitic batholith and was cut by syenite dykes. Ore grades are reported to have been 4.0 to 4.5 grams per tonne.

In the Matachewan area, gold producers related to the emplacement of the syenite dykes and stocks have included the Matachewan Consolidated Mine which produced 3.5 million tonnes at 3.8 grams per tonne, and the Young-Davidson Mine which produced 6.2 million tonnes of ore at 3.5 grams per tonne.

That part of the township north of the Porcupine-Destor Fault is underlain by calc-alkaline volcanic rocks of the Hunter Mine Group. Overlying the above are the komatiitic and tholeiitic lavas of the Stoughton-Roquemaure Group (see Figure 3). Gold potential exists within pyritiferous tuffs and flows of the Hunter Mine Group; although none of these rocks are observed in outcrops.















-  Fault
-  Syncline
-  Anticline
-  Conformable contact
-  Unconformable contact
-  Intrusive contact
-  Abitibi Batholith
-  Destor - Porcupine Comple.
-  Blake River Group
-  Kinojevis Group
-  Stoughton - Roquemaure G.
-  Hunter Mine Group

Figure 3 Geological map of the Magusi River and Lightning River areas.

L.S. JENSEN, 1982

## DISCUSSION OF SURVEY

The dual-frequency Max-Min survey was carried out at a nominal line spacing interval of 122 metres (400 feet), except Lines 487E and 549E where the spacing is 62 metres (200 feet).

The H.E.M. 1777 Hz data, as can be expected from the extensive clay cover in the area, is dominated by overburden-type responses which are especially evident where bedrock pierces through the clay overburden cover. Examination of case histories (J. Betz) and model studies (Villegas-Garcia) indicate that the negative response peaks in a strictly overburden/bedrock ridge situation are not related to bedrock conductivity. In this case, by measuring  $\frac{1}{2}$  coil separation in from the H.E.M. minima, the approximate location of abrupt overburden thinning can be pinpointed. This edge location, if consistent from line to line, is often indicative of zones of shearing or incompetent lithology. With a major intrusive closeby, these zones of structural weakness would provide favourable host environment to mineralized hydrothermal solutions associated with the intrusion.

Of the six (6) conductors outlined by the survey, Zone 6 is the only one for which a definite bedrock-derived source of conductivity can be anticipated. The remaining five zones, though probably indirectly reflecting bedrock features such as fault or contact zones, derive most of their large amplitude out-of-phase

response to variations in thickness of the conductive clay overburden in the area. Special note should be made of Zone 5, which unlike Zone 6 and the remaining four conductors which are in meta-volcanics, appears to be wholly contained within a syenite stock.

#### RECOMMENDATIONS

Because previous work on the property has indicated the presence of weak Au mineralization, all six H.E.M. conductors should be drill tested.

The drill holes should all be long enough to test both the H.E.M. minimum and flanking cross-over points.

Respectfully submitted,

A. Watts

A. Watts  
Geophysicist

A. Watts

Timmins, Ontario

May 13, 1983

APPENDIX A  
SCHEDULE OF CLAIMS  
PROJECT 010-44  
UNION OPTION

| TOWNSHIP | CLAIM NUMBER | RECORDING DATE    |
|----------|--------------|-------------------|
| Harker   | L-578047     | November 17, 1980 |
|          | L-578048     | November 17, 1980 |
|          | L-578865     | November 17, 1980 |
|          | L-578866     | November 17, 1980 |
|          | L-579108     | December 23, 1980 |
|          | L-579109     | December 23, 1980 |
|          | L-579110     | December 23, 1980 |

I, Anthony H. Watts, residing at 306 Bogert Avenue,  
Willowdale, Province of Ontario, hereby certify that:

- 1) I am a graduate of Rhodes University, Grahamstown,  
South Africa, having received a B.Sc. in Geology and  
Chemistry in 1972.
- 2) I have been practising as a geophysicist since  
joining Geoterrex Limited, of 2060 Walkley Road,  
Ottawa, Ontario, in January, 1973.
- 3) I have been employed as a mineral exploration  
geophysicist by Canamax Resources Inc., since  
November, 1978.
- 4) I am an Associate Member of the Society of  
Exploration Geophysicists.

Signed: A. Watts

A. H. Watts, B.Sc.

Dated at Timmins, Ontario



Aug. 2nd

# 146

19 claims traversed in form, attach a list. calculated in the ion may be entered lays Cr." columns. as below.

010-4

Field 57804

900

Type of Survey(s) **Electromagnetic Survey** Township or Area **Harker Township**

Claim Holder(s) **CANAMAX RESOURCES INC.** Prospector's Licence No. **T-1318**

Survey Company **John Hussey - Contractor** Survey Dates (linecutting to office) **08 82** Total Miles of line Cut

Name and Address of Author (of Geo-Technical report) **A. Watts, 255 Algonquin Blvd. West, Timmins, Ontario. P4N 2R8**

Special Provisions Credits Requested

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

Mining Claims Traversed (List in numerical sequence)

| Mining Claim |        |                  | Mining Claim |        |                  |
|--------------|--------|------------------|--------------|--------|------------------|
| Prefix       | Number | Expend. Days Cr. | Prefix       | Number | Expend. Days Cr. |
| L            | 578047 | 20               |              |        |                  |
|              | 578048 | 20               |              |        |                  |
|              | 578865 | 20               |              |        |                  |
|              | 578866 | 20               |              |        |                  |
|              | 579108 | 20               |              |        |                  |
|              | 579109 | 20               |              |        |                  |
|              | 579110 | 20               |              |        |                  |

Man Days

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

Airborne Credits

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

Report Completed

Date of Report **May 30, 1983** Recorded Holder or Agent (Signature) *Rosemary Kelly*

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 **A. Watts, 255 Algonquin Blvd. West, Timmins, Ontario.**

Date Certified **May 30, 1983** Certified by (Signature) *A. Watts*

RECEIVED  
JUN 6 1983  
MINING LANDS SECTION

LARDER LAKE  
MINING DIV.  
RECEIVED  
JUN - 1 1983  
AM  
7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6

See attached work statement

For Office Use Only

Total Days Cr. Recorded **140** Date Recorded **JUN 1 1983** Mining Recorder *[Signature]*

Date Approved as Recorded **JUN 1 1983** Regional/Branch Director *[Signature]*

Total number of mining claims covered by this report of work. **7**



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) Electromagnetic Survey
Township or Area Harker
Claim Holder(s) Canamax Resources Inc.
Survey Company J. Hussey
Author of Report A. Watts
Address of Author 255 Algonquin Blvd. W., Timmins, Ont.
Covering Dates of Survey August 1982
Total Miles of Line Cut

SPECIAL PROVISIONS
CREDITS REQUESTED
DAYS per claim
Geophysical
-Electromagnetic 20
-Magnetometer
-Radiometric
-Other
Geological
Geochemical

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)
Magnetometer Electromagnetic Radiometric
(enter days per claim)

DATE: June 3, 1983 SIGNATURE: A. Watts
Author of Report or Agent

Res. Geol. Qualifications 2,2910

Table with 4 columns: File No., Type, Date, Claim Holder. Rows are blank.

MINING CLAIMS TRAVERSED
List numerically
Table with 2 columns: (prefix), (number).
L 578047
L 578048
L 578865
L 578866
L 579108
L 579109
L 579110
TOTAL CLAIMS 7

If space insufficient, attach list



GEOPHYSICAL TECHNICAL DATA

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

Number of Stations \_\_\_\_\_ Number of Readings 475
Station interval 25 metres Line spacing 129 metres
Profile scale 1 cm = 10%
Contour interval \_\_\_\_\_

MAGNETIC

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

ELECTROMAGNETIC

Instrument Max-Min II
Coil configuration Horizontal Loop
Coil separation 150 metres
Accuracy +/- 1%
Method: [ ] Fixed transmitter [ ] Shoot back [x] In line [ ] Parallel line
Frequency 1777 Hz and 444 Hz (specify V.L.F. station)
Parameters measured In-phase and Quadrature

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 \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
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\_\_\_\_\_

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 \_\_\_\_\_

\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_

2.5599

1983 11 09

#146

2.5599

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

Dear Sir:

RE:           Geophysical (Electromagnetic) Survey on  
              Mining Claims L 578047 et al in the Township  
              of Harker.

---

The Geophysical (Electromagnetic) Survey assessment work credits as listed with my Notice of Intent dated October 17, 1983 have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

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

D. Kinvig:sc

cc: Canamax Resources Limited  
      255 Algonquin Blvd West  
      Timmins, Ontario  
      P4N 2R8

cc: Resident Geologist  
      Kirkland Lake, Ontario

|                  |                       |
|------------------|-----------------------|
| Recorded Holder  | CANAMAX RESOURCES INC |
| Township or Area | HARKER TOWNSHIP       |

| Type of survey and number of Assessment days credit per claim   | Mining Claims Assessed                |
|---|---------------------------------------|
| <b>Geophysical</b><br>Electromagnetic _____ 20 days<br>Magnetometer _____ days<br>Radiometric _____ days<br>Induced polarization _____ days<br>Other _____ days<br>Section 77 (19) See "Mining Claims Assessed" column<br><b>Geological</b> _____ days<br><b>Geochemical</b> _____ days<br><br>Man days <input type="checkbox"/> Airborne <input type="checkbox"/><br>Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/><br><br><input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims.<br><input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant. | L 578047-48<br>578865-66<br>579109-10 |

**Special credits under section 77 (16) for the following mining claims**

10 DAYS ELECTROMAGNETIC  
L 579108

**No credits have been allowed for the following mining claims**

not sufficiently covered by the survey                       Insufficient technical data filed



*Nov. 7/83*

Your file: #146

1983 10 17

Our file: 2.5599

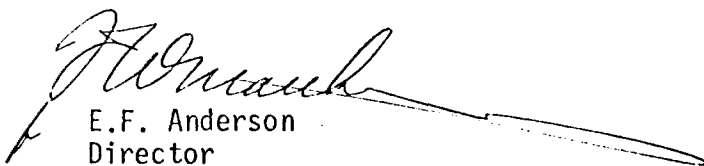
Mr. George J. Koleszar  
Mining Recorder  
Ministry of Natural Resources  
4 Government Road East  
P.O. Box 984  
Kirkland Lake, Ontario  
P2N 1A2

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, 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: 416/965-1316

D. Kinvig:mc

Encls:

cc: Canamax Resources Ltd  
255 Algonquin Blvd West  
Timmins, Ontario  
P4N 2R8

cc: Mr. G.H. Ferguson  
Mining & Lands Commissioner  
Toronto, Ontario



Ministry of  
Natural  
Resources

Notice of Intent  
for Technical Reports

1983 10 17

2.5599

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.



Mining Lands Comments

ok.

To: Geophysics      *MR. BARLOW*

Comments

Approved       Wish to see again with corrections

Date: *Sept 1 / 83*      Signature: *[Signature]*

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)



146 L.578047

2.5599

1983 06 10

Mr. George J. Koleszar  
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 (Electromagnetic) survey submitted under Special Provisions (credit for Performance and Coverage) on mining claims L.578047 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

cc: Canamax Resources Ltd.  
255 Algonquin Blvd. W.  
Timmins, Ontario  
P4N 2R8

Attn: Mrs. Rosemary Tittley

A.Barr/eib



# CANAMAX RESOURCES INC.

TIMMINS, ONTARIO  
255 ALGONQUIN BLVD. WEST  
P4N 2R8  
TELECOPIER 705-264-5247  
TELEPHONE 705-264-5247

June 3, 1983

Our File: 010-44

Mr. F. W. Matthews,  
Ontario Ministry of Natural Resources,  
W1617, Whitney Block,  
Queen's Park,  
Toronto, Ontario.  
M7A 1W3

**RECEIVED**

JUN 7 1983

**MINING LANDS SECTION**

Dear Sir:

Re: Mining Claims L-578047 et al.,  
Harker Township

Enclosed herewith please find two (2) copies of a report and plans concerning an electromagnetic survey which was carried out over a group of seven (7) contiguous mining claims located in Harker Township.

A Report of Work has been filed with Mr. George Koleszar, Mining Recorder for the Larder Lake Mining Division.

Thank you.

Yours truly,  
CANAMAX RESOURCES INC.

*Rosemary Tittley*  
Rosemary Tittley (Mrs.)  
Land Records

Encs. 2

c.c. K. Clemis/E. Barclay  
G. Koleszar, Mining Recorder

2.5599

E.M.

L-578047

✓

578078

✓

578865

✓

578866

✓

579108

✓

579109

✓

579110

✓

D.K.

M-353

HARKER TWP

M-353

LAMPLUGH TWP. M-358

THE TOWNSHIP OF

HARKER

DISTRICT OF COCHRANE

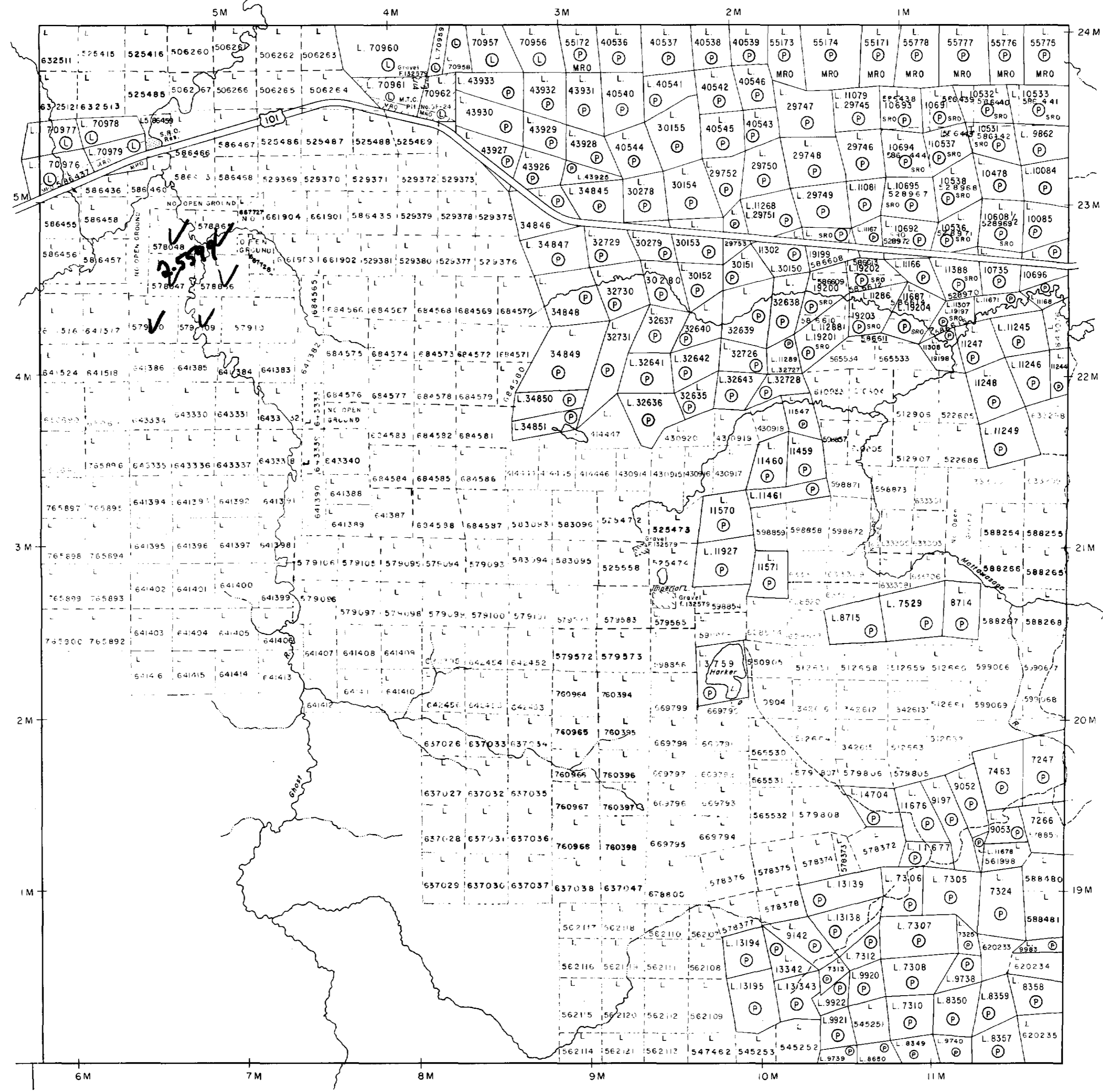
LARDER LAKE MINING DIVISION

SCALE: 1-INCH 40 CHAINS

GARRISON TWP. M-349

HOLLOWAY TWP. M-356

ELLIOTT TWP. M-347



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. ●

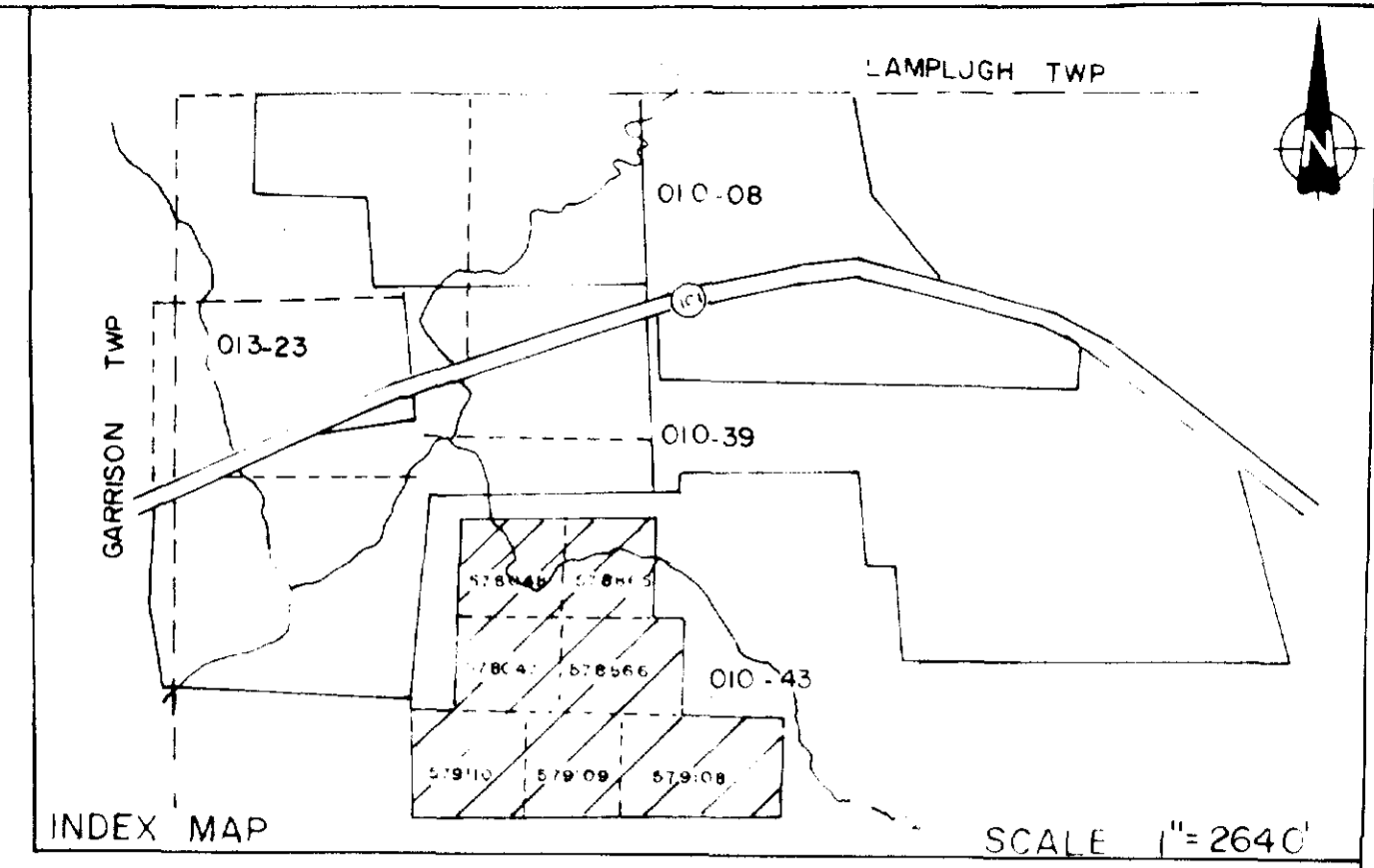
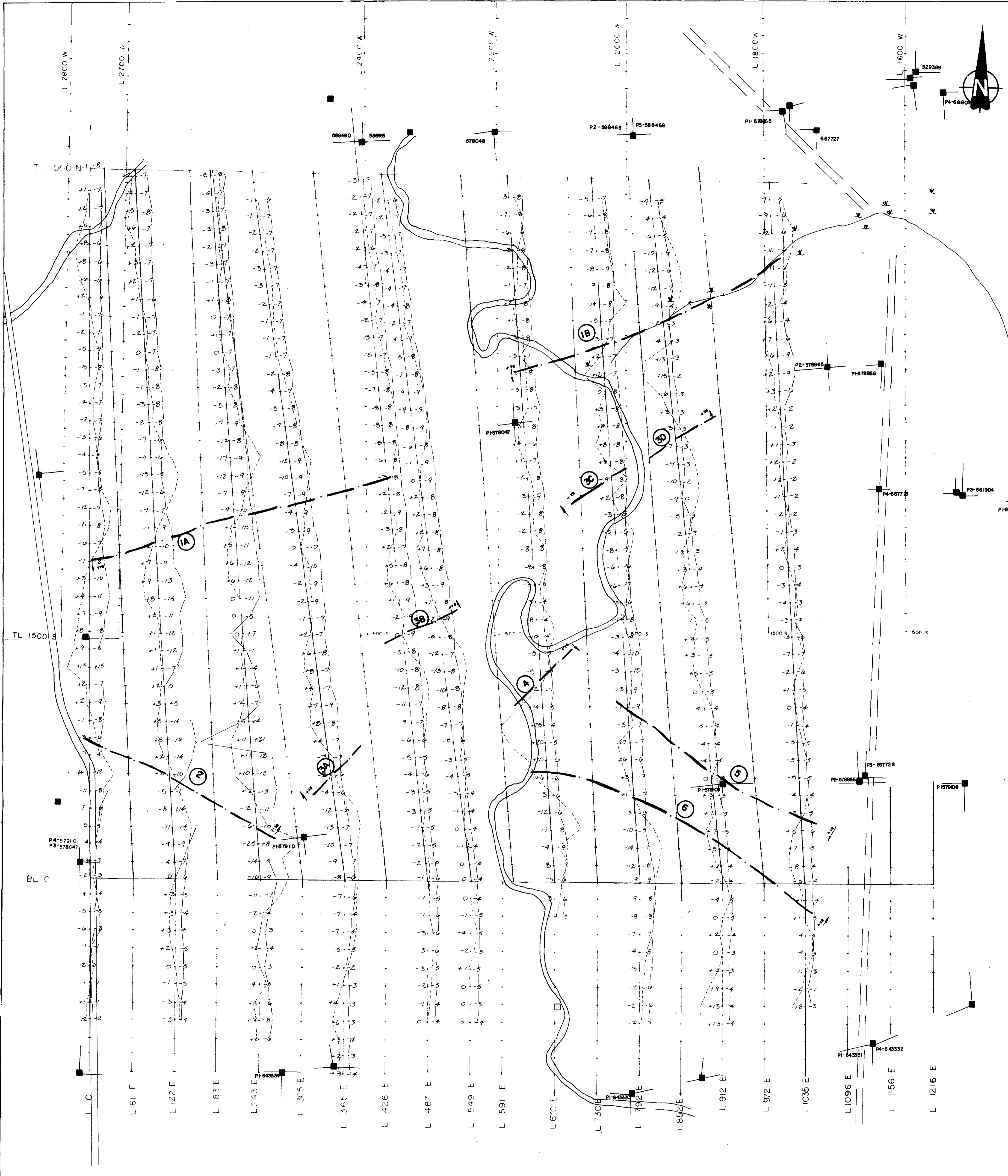
NOTES

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

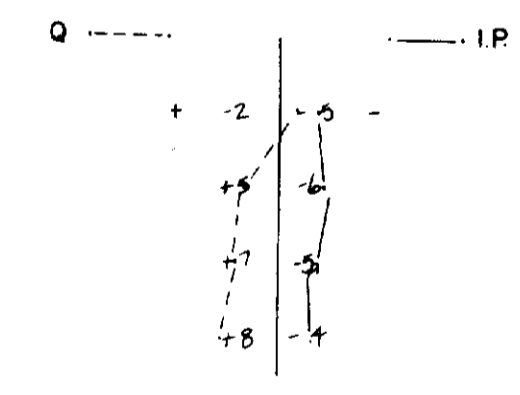
DATE OF ISSUE  
 SEP 22 1983  
 Ministry of Natural Resources  
 TORONTO

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





**LEGEND**



Profile Scale: 1cm = 10 %

— H.E.M. axis (1/2 coil separation from -ve peak)

444 Hz

*A. Watts*

**CANAMAX RESOURCES INC.**

HARKER TOWNSHIP

**GROUND GEOPHYSICS - COMPILATION & INTERPRETATION**

UNION MINING OPTION, OIO-44

Matheson, Ontario

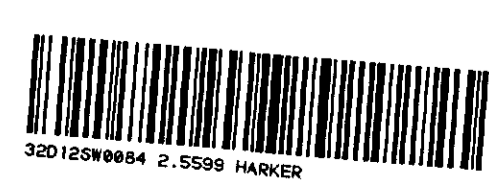
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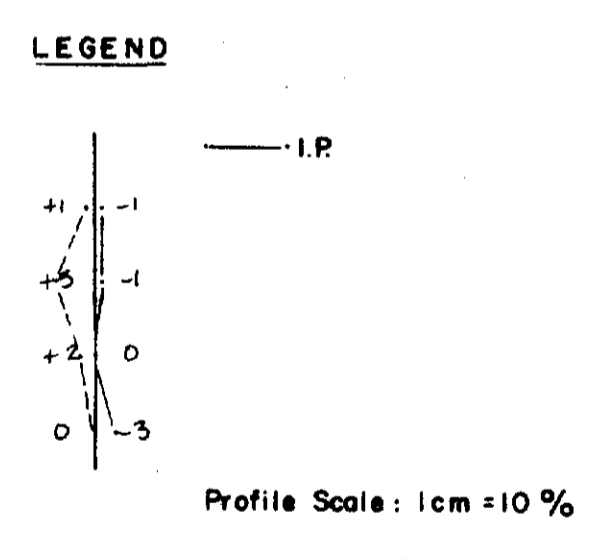
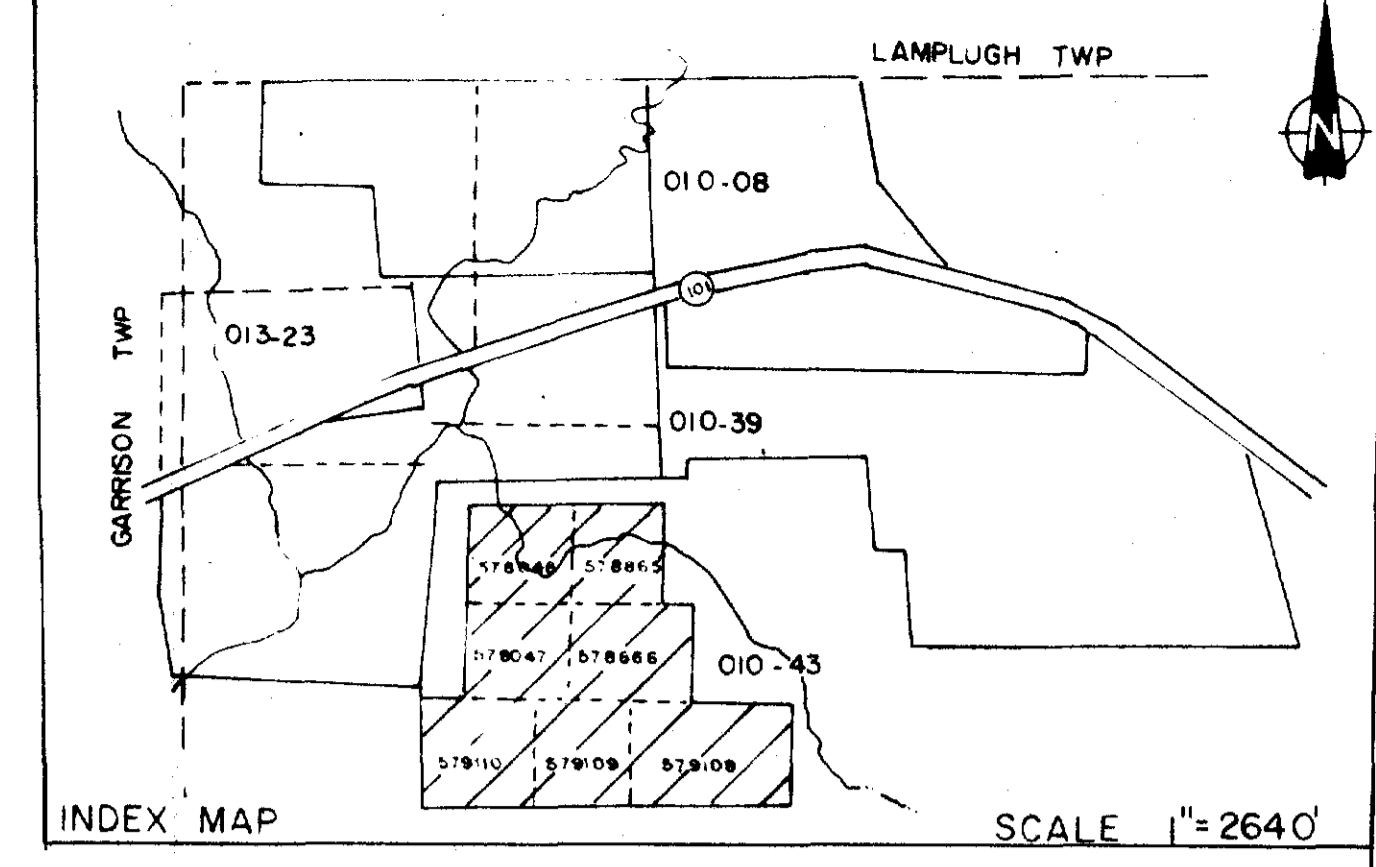
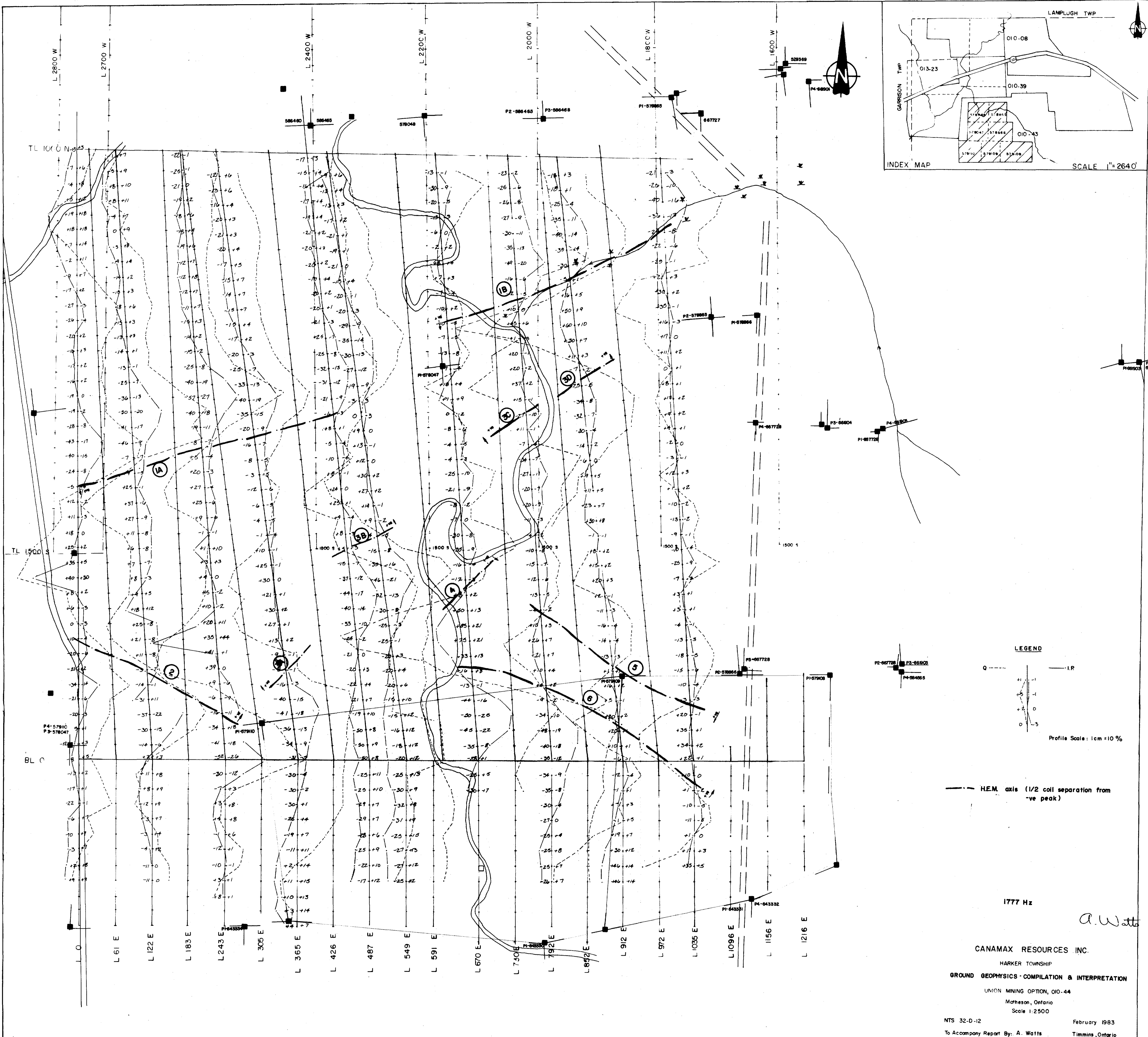
NTS 32-D-12

February 1983

To Accompany Report By: A. Watts

Timmins, Ontario





H.E.M. axis (1/2 coil separation from -ve peak)

1777 Hz

*A. Watts*

CANAMAX RESOURCES INC.  
 HARKER TOWNSHIP  
 GROUND GEOPHYSICS - COMPILATION & INTERPRETATION  
 UNION MINING OPTION, OI-44  
 Matheson, Ontario  
 Scale 1:2500  
 NTS 32-D-12 February 1983  
 To Accompany Report By: A. Watts Timmins, Ontario

