



REPORT ON
VLF-EM SURVEY
HEARST AND MCFADDEN TOWNSHIPS
ONTARIO

RECEIVED

OCT 27 1981

MINING LANDS SECTION

Introduction

A VLF-EM survey was carried out in Hearst and McFadden Townships by Colex Explorations Inc. The results are shown on the enclosed plan.

Location, Access and Ownership

The claims covered by the survey are located in the south-east part of Hearst Township and in the south-west part of McFadden Township. There are 42 claims numbered L511686 to 511691; L523351 to 523355; 523451 to 523456; 532821 to 532827; L532831 to 523836; L548643 to 548653 all inclusive and L523194, recorded in the name of Superior Northwest Inc., Box 1110, Sault Ste. Marie, Ontario.

In addition there are 11 claims numbered L511684 to 511685; L523457 to 523459 inclusive; L545059 to 545060 and L548639 to 548642 inclusive, recorded in the name of R.A. MacGregor, 134 Palace Drive, Sault Ste. Marie, Ontario.

Access to the property is obtained by travelling south from Larder Lake, Ontario about 4 miles on Highway 624, and then following seasonal road about 2 miles to the old Martin-Bird Mine. The claims may be reached from here by following geophysical lines and trails to the south-east.

Previous Exploration

There has been a considerable amount of surface prospecting in the past. A number of deep pits were noted during the survey but no information is available on when they were dug or what, if anything, was found.

Geology

The property is underlain by a volcanic-sedimentary sequence of rocks, cut by felsic to mafic intrusives. A large part of the claims are covered by extensive drift. Later Huronian sediments cover the older rocks in the east part of the claims.

Survey Procedure

A grid line was laid out across the property with a baseline running about S 60° E across the property. Crosslines were cut perpendicular to the baseline at 400-foot intervals.

A VLF-EM survey was carried out using a Pheonix VLF-2 instrument set to the signal from Annapolis, Maryland station (21.4 KHz). Readings were taken at 100-foot intervals using the procedure outlined in Appendix 1. In this method a base station is selected and readings taken along lines describing a loop, arriving back at the starting base station in less than two hours. A second loop is then started using either the same base station or another which is tied to the previous loop. The time is noted for each station and readings are corrected for diurnal variation by assuming the time between readings is the same and distributing any variation equally among the intervening readings. No correction was applied less than the accuracy of the base station reading.

Results and Conclusions

The VLF-EM survey shows a number of cross-overs on the claims covered.

The topography is quite variable and further work is required to assess whether the conductors are caused by overburden or bedrock sources.

Respectfully submitted



October 20, 1981

R.A. MacGregor, P. Eng.



32D04SE0089 2.4497 MCFADDEN

300

1984 02 28

Our File: 2.4497

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 511684 et al in the
Townships of Hearst and McFadden

The Geophysical (Electromagnetic) Survey assessment work credits as listed with my Notice of Intent dated October 5, 1982 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,

J.R. Morton
Acting Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

D. Kinvig:sc

cc: Superior Northwest Inc
Sault Ste. Marie, Ontario
Attn: Mr. R.A. MacGregor

cc: Resident Geologist
Kirkland Lake, Ontario

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

RECEIVED

MAY 17 1984

MINING LANDS SECTION

2.4497

1982 11 18

2.4497

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 511684 et al in the Townships
 of Hearst and McFadden

The Geophysical (Electromagnetic) Survey assessment work credits as listed with my Notice of Intent dated September 30, 1982 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 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

A. Barr:sc

cc: Superior Northwest Inc
 Sault Ste. Marie, Ontario

cc: Mr. R.A. MacGregor
 Sault Ste. Marie, Ontario

cc: Resident Geologist
 Kirkland Lake, Ontario



Ministry of
Natural
Resources

Ontario

OCT 14, 1982

Your file:

1982 09 30

Our file: 2.4497

**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.

Yours very truly,

**For further information, if
required, please contact
Mr. F.W. Matthews at
466/965-6918.**

E.F. Anderson
Director
Lands Administration Branch
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

A. Barr:sc

**cc: Superior Northwest Inc.
Sault Ste. Marie, Ontario**

**cc: Mr. R.A. MacGregor
Sault Ste. Marie, Ontario**

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



Ministry of
Natural
Resources

Ontario

Notice of Intent
for Technical Reports

1982 09 30

2.4497

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.

Recorded Holder	SUPERIOR NORTHWEST INC
Township or Area	HEARST & MC FADDEN

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic <u>20</u> days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Section 86 (18) _____ days Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	L 511684 to 91 inclusive 523194 523353 to 55 inclusive 523451 to 59 inclusive 532821 to 25 inclusive 532831 to 34 inclusive 545059-60 548639 to 48 inclusive 548650-51 548653

Special credits under section 86 (15a) for the following mining claims

5 days L 532826-27 532835-36	10 days L 523352	15 days L 523351 548649 548652
---	---------------------------------------	---

No credits have been allowed for the following mining claims

<input checked="" type="checkbox"/> not sufficiently covered by the survey	<input type="checkbox"/> Insufficient technical data filed
L 511692 523348 to 50 inclusive	

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 86(18)-60:

(Amended 5.10.82)

Recorded Holder
SUPERIOR NORTHWEST INC.

Township or Area
HEARST & MC FADDEN

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic <u>20</u> days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Section 86 (18) _____ days Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	L 511684 to 91 inclusive 523194 523353 to 55 inclusive 523451 to 59 inclusive 532821 to 25 inclusive 532831 to 34 inclusive 545059-60 548639 to 48 inclusive 548650-51 548653

Special credits under section 86 (15a) for the following mining claims

5 days	10 days	15 days
L 532826-27 532835-36	L 523352	L 523381 523351 548649 548652

No credits have been allowed for the following mining claims

not sufficiently covered by the survey
 Insufficient technical data filed

L 511692
523348 to ~~54~~ inclusive
 50

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 86(18)-60:



Ministry of
Natural
Resources

Notification of recording
of assessment work credits

Recording Office
4 Gov't Road East
KIRKLAND LAKE, Ontario
P2N 1A2

Lands Administration Branch
Mining Lands Section
Ministry of Natural Resources
Room 1617, Whitney Block
Queen's Park, Toronto
M7A 1W3

RECEIVED

SEP 17 1981

MINING LANDS SECTION

Date of recording of work: SEPTEMBER 4, 1981

Recorded holder: SUPERIOR NORTHWEST INC.

Address: Box 1110, SAULT STE. MARIE, Ontario P6A 5N7

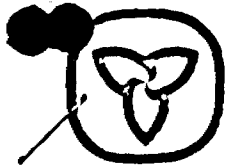
Township or Area: HEARST & McFADDEN TOWNSHIPS

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	
Electromagnetic <u>VLF</u> <u>20</u> days	L 511686 to L 511691 inclusive ✓
Magnetometer <u>As Listed</u> days	L 532821 to L 532824 inclusive ✓
Radiometric _____ days	L 532831 to L 532836 inclusive ✓
Induced polarization _____ days	L 532821 to L 532824 incl. 20 days } <i>Mag.</i>
Section 86 (18) _____ days	L 532831 to L 532836 incl. 20 days }
Geological _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/>	Airborne <input type="checkbox"/>
Special provision <input checked="" type="checkbox"/>	Ground <input checked="" type="checkbox"/>

Notice to recorded holder:

- Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.
- Reports and maps are being forwarded to the Lands Administration Branch with this letter.

J. Buttif
Acting Mining recorder/bs
cc Superior Northwest Inc.
c.c. Robert A. MacGregor



Ontario



Ministry of
Natural
Resources

Notification of recording
of assessment work credits

Recording Office
4 Gov't Road East
Kirkland Lake, Ontario
P2N 1A2

RECEIVED

FEB 2 1982

MINING LANDS SECTION

Supervisor, Projects Unit
Mining Lands Section
Ministry of Natural Resources
Room 1617, Whitney Block
Queen's Park, Toronto
M7A 1W3

Date of recording of work: APRIL 24, 1981

Recorded holder: SUPERIOR NORTHWEST INC.

Address: P. O. Box 1110, SAULT STE. MARIE, Ontario

Township or Area: HEARST & McFADDEN TOWNSHIPS

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	<u>20 days</u>
Electromagnetic <u>VLF</u> days	<u>L 511686-87-88-89-90-91-92</u>
Magnetometer days	L 523194
Radiometric days	L 523348-49-50
Induced polarization days	L 523355
Section 86 (18) days	<u>4 days</u>
Geological days	L 523353-54
Geochemical days	L 523451-52-53-54-55-56
Man days <input type="checkbox"/>	Airborne <input type="checkbox"/>
Special provision <input type="checkbox"/>	Ground <input type="checkbox"/>

Notice to recorded holder:

Survey reports and maps in duplicate must be submitted to the Projects Unit, Toronto within 60 days from the date of recording of this work.

Reports and maps are being forwarded to the Projects Unit with this letter.

Acting Mining recorder /lp
c.c. R. A. MacGregor
P. O. Box 1110
SAULT STE. MARIE, Ontario



Ontario

Ministry of
Natural
Resources

Notification of recording
of assessment work credits

Recording Office
4 Gov't Road East
Kirkland Lake, Ontario
P2N 1A2

Lands Administration Branch
Mining Lands Section
Ministry of Natural Resources
Room 1617, Whitney Block
Queen's Park, Toronto
M7A 1W3

Date of recording of work: March 4, 1981

Recorded holder: SUPERIOR NORTHWEST INC.

Address: P.O. Box 1110, SAULT STE. MARIE, Ontario P6A 5N7

Township or Area: Hearst township

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	
Electromagnetic <u>VLF</u> <u>20</u> days	L 523194
Magnetometer _____ days	L 523348-355 inclusive ✓
Radiometric _____ days	L 523451-456 inclusive ✓
Induced polarization _____ days	
Section 86 (18) _____ days	
Geological _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input type="checkbox"/> Ground <input type="checkbox"/>	

Notice to recorded holder:

Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.

Reports and maps are being forwarded to the Lands Administration Branch with this letter.

Acting Mining recorder /jl
c.c. Superior Northwest Inc.
ATTN: Robert A. MacGregor



Ministry of
Natural
Resources

Notification of recording
of assessment work credits

PLEASE NOTE AMENDED NOTICE

to Toronto
Sent May 6/81

Lands Administration Branch
Mining Lands Section
Ministry of Natural Resources
Room ~~1047~~, Whitney Block
Queen's Park, Toronto
M7A 1W3

Date of recording of work: APRIL 30th, 1981
Recorded holder: Robert A. MacGregor,
Address: 134 Palace Drive, Sault Ste. Marie, Ontario.
Township or Area: HEARST TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	
Electromagnetic <u>20</u> days	L <u>511684-85</u> ✓
Magnetometer _____ days	L 523457-58-59 ✓
Radiometric _____ days	L 545059-60
Induced polarization _____ days	L 548639-40-41-42
Section 86 (18) _____ days	
Geological _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/>	
Airborne <input type="checkbox"/>	
Special provision <input type="checkbox"/>	
Ground <input type="checkbox"/>	

Notice to recorded holder:

- Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.
- Reports and maps are being forwarded to the Lands Administration Branch with this letter.

Acting Mining recorder
c.c. Mr. R. A. MacGregor,
134 Palace Drive,
Sault Ste. Marie, Ontario.

Mining Lands Comments

L 548643-53
January 22/82
waiting for
plans for mining

To: Geophysics *Mr Barlow.*

Comments

Approved Wish to see again with corrections
Date *Sept 9/82* Signature *Roger Blw*

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)

1982 09 24

2,4497

MEMORANDUM TO: George J. Koleszar
Mining Recorder
Kirkland Lake

SUBJECT: Abstract of mining claim L522792

With reference to the attached abstract of Mining claim L522792, I note that you have recorded 140 days geophysical credits and 80 days geological credits against this claim. May I remind you that under the provisions of sections 77(9) and 77(11) of the Mining Act, not more than 80 days geophysical and 40 days geological credits may be recorded on a mining claim.

E.F. Anderson
Director
Land Management

Whitney Block, Room #6450
Queen's Park, Toronto
Telephone: 965-1380

F.W. Matthews:eb

attch.

230755



L 522792

RECORDED IN THE NAME OF Lucien Lacasse	LICENCE NO. K 18234	RECEIPT NO. A053232	DATE RECORDED February 23, 1979
ADDRESS Larder Lake Ontario		DATE AND TIME OF STAKING January 26, 1979 at 10:15-A.M.	

ASSESSMENT WORK CREDITS ASSIGNED TO OTHER CLAIMS	OFFICE USE ONLY	DAYS RECORDED	BALANCE	DESCRIPTION OF CLAIM
RESERVATIONS - 400 FOOT SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS. SAND AND GRAVEL RESERVED.				

DATE	DAYS WORK		(522783)	RECEIPT NO.
Jan. 18, 1980		Transfer all interest to Superior Northwest Inc., 1 626	(522769)	A223540
Feb. 4, 1980		Order of Mining and Lands Commissioner extends time until and including August 18, 1980 for work	(522769)	A223627
Aug. 18/80	20	Geophysical (E.M.) APPROVED FWM MAR. 23/81	(522769)	
Dec. 3/80	20	Geophysical MAG. APPROVED FWM FEB. 18/81	(476794)	
Feb. 9/81		Order of Mining & Lands Commissioner extends time until and including July 31, 1981 for work	(522783)	B006450
July 28, 1981	40	Geological	(522783)	
Sept. 24, 1981	20	Geophysical E.M.	(522783)	
Sept. 24, 1981	40	Geological	(522783)	
February 5/82	20	Geophysical MAG.	(511684)	
February 5/82	20	Geophysical EM	(511684)	
June 7, 1982	20	Geophysical E.M.	(532087)	
June 7, 1982	20	Geophysical RADIOMETRIC	(522783)	

1981 10 30

2.4230

Mining Recorder's Office
Ministry of Natural Resources
P.O. Box 984
4 Government Road East
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 511684 et al in the Townships of Hearst and McFadden.

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

Joan Skura

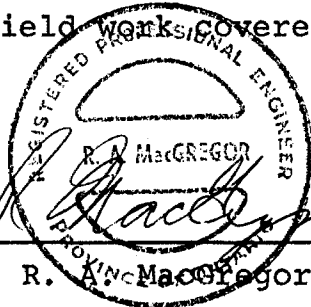
cc: Colex Explorations Inc.,
Sault Ste. Marie, Ontario

C E R T I F I C A T E

I, Robert A. MacGregor, certify:

1. I am a Mining Engineer residing at 134 Palace Drive, Sault Ste. Marie, Ontario. I have worked as a mining engineer and geologist for the past 17 years.
2. I am a member of the Association of Professional Engineers of the Province of Ontario and a member of the Canadian Institute of Mining and Metallurgy.
3. I attended Queen's University for two years in the Mining-Geology course.
4. I personally supervised the field work covered by this report.

Oct 20/81
DATE

A circular seal for a Registered Professional Engineer. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "PROVINCIAL" at the bottom. Inside the ring, the name "R. A. MacGREGOR" is printed. A handwritten signature is written across the seal. Below the seal, the name "R. A. MacGregor" is printed.
R. A. MacGregor



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.

RECEIVED

OCT 27 1981

MINING LANDS SECTION

Type of Survey(s) VLF-EM
Township or Area Hearst & McFadden
Claim Holder(s) SUPERIOR NORTHWEST INC.
R.A. MacGregor
Survey Company Colex Explorations Inc.
Author of Report R.A. MacGregor
Address of Author 134 Palace Drive, S.S. Marie
Covering Dates of Survey January - October 1981
(linecutting to office)
Total Miles of Line Cut 44.6

MINING CLAIMS TRAVERSE
List numerically

- L511684
- L511685
- L523457
- L523458
- L523459
- L545059
- L545060
- L548639
- L548640
- L548641
- L548642
- L511686
- L511687
- L511688
- L511689
- L511690
- L511691
- L523351
- L523352
- L523353
- L523354
- L523355
- L523851
- L523452
- L523453
- L523458
- L523455
- L523456
- L532821
- L532822
- L532823
- L532824
- L532825
- L532826
- L532827
- L532831
- L532832
- L532833
- L532834
- L532835
- L532836
- L548643
- L548644

532825 }
532826 }
532827 }
not carried

SPECIAL PROVISIONS
CREDITS REQUESTED

DAYS
per claim

Geophysical
- Electromagnetic 20
- Magnetometer _____
- Radiometric _____
- Other _____
Geological _____
Geochemical _____

ENTER 40 days (includes
line cutting) for first
survey.

ENTER 20 days for each
additional survey using
same grid.

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

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

DATE: Oct. 20/81 SIGNATURE: R. MacGregor
Author of Report or Agent

Res. Geol. _____ Qualifications 2.1102

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 53

If space insufficient, attach list

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 2,450 Number of Readings 2,450
Station interval 100 Feet Line spacing 400 feet
Profile scale 1" = 40'
Contour interval _____

MAGNETIC

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

ELECTROMAGNETIC

Instrument Phoenix VLF-2
Coil configuration N/A
Coil separation N/A
Accuracy ± 1/2°
Method: Fixed transmitter Shoot back In line Parallel line
Frequency Annapolis, Maryland (21.4 KHz)
(specify V.L.F. station)
Parameters measured Dip angle of the resultant field

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 _____

McGarry Twp.

THE TOWNSHIP OF
OF
McFADDEN

DISTRICT OF
TIMISKAMING

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

- PATENTED LAND Ⓟ
- CROWN LAND SALE C.S.
- LEASES Ⓛ
- 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.

NOTES

400' Surface rights reservation around all lakes and rivers

L.O. 12010 shown thus: L.O. 12010

A.P.S. shown thus: A.P.S.

	Date	Disposition
Ⓟ W 2/74 14214	15/10/74	S.R.O.
Ⓟ W 11/79 88522	19/6/79	S.R.O.

SAND and GRAVEL

Ⓟ SAND and GRAVEL RESERVE 30-11

DATE OF ISSUE

SEP 24 1982

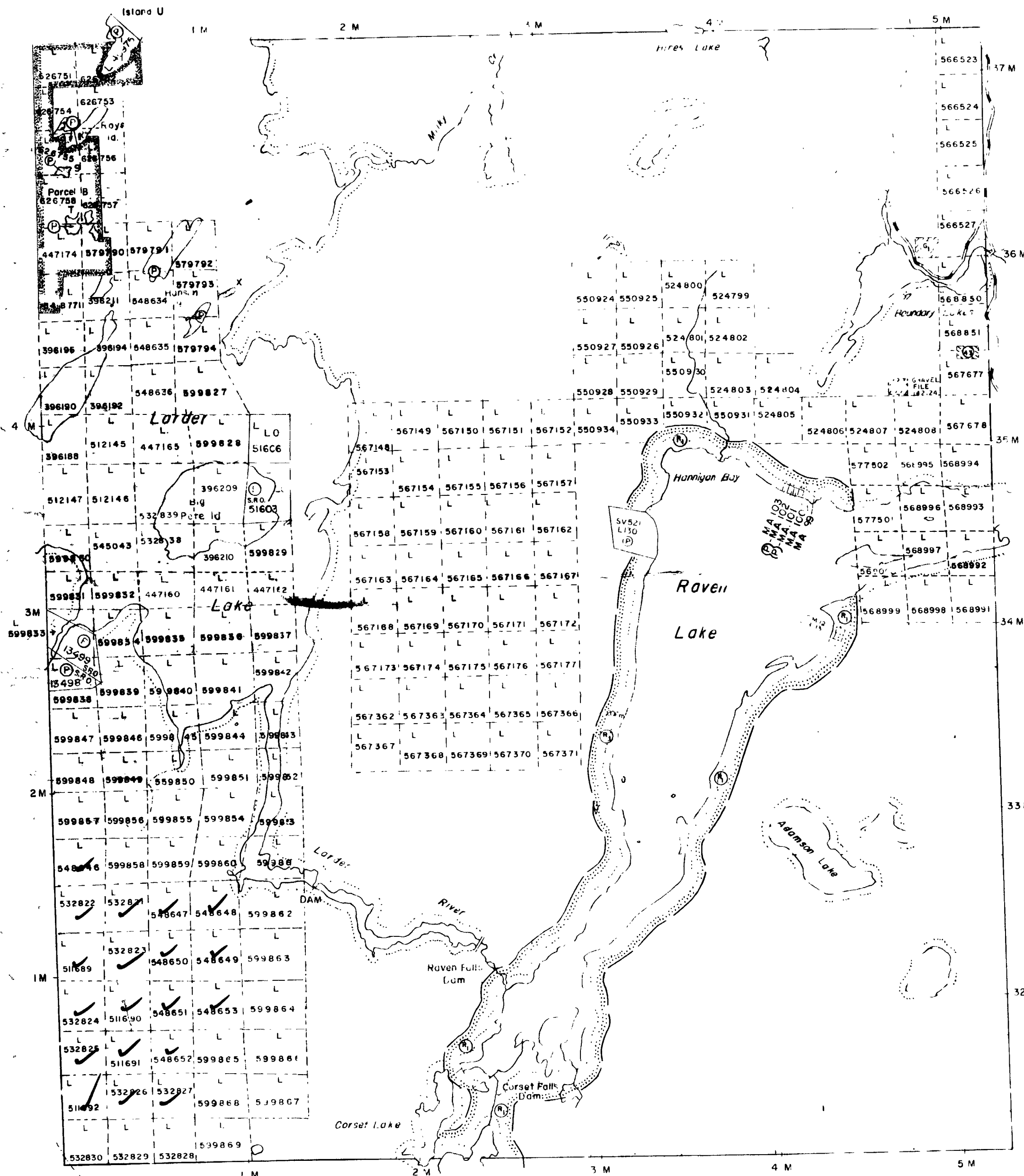
Ministry of Natural Resources
TORONTO

2.4497

PLAN NO - M.368

MIN. Y.C.F.N. SA SOURCE

PROVINCE OF QUEBEC



Ratray Twp.



32D04SE0089 2.4497 MCFADDEN

McVITTIE TWP. M-370

OF

HEARST

DISTRICT OF
TIMISKAMING


LARDER LAKE
MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

- PATENTED LAND ● (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

- 40' Surface Rights reservation along the shores of all lakes and rivers
- Township of Hearst lies entirely within the CORPORATION of the TOWN of LARDER LAKE File #282
- Staking of mining claims within the Town of Larder Lake shown thus  subject to Sec. 37(b) of the Mining Act (R.S.O. 1970)

SAND AND GRAVEL

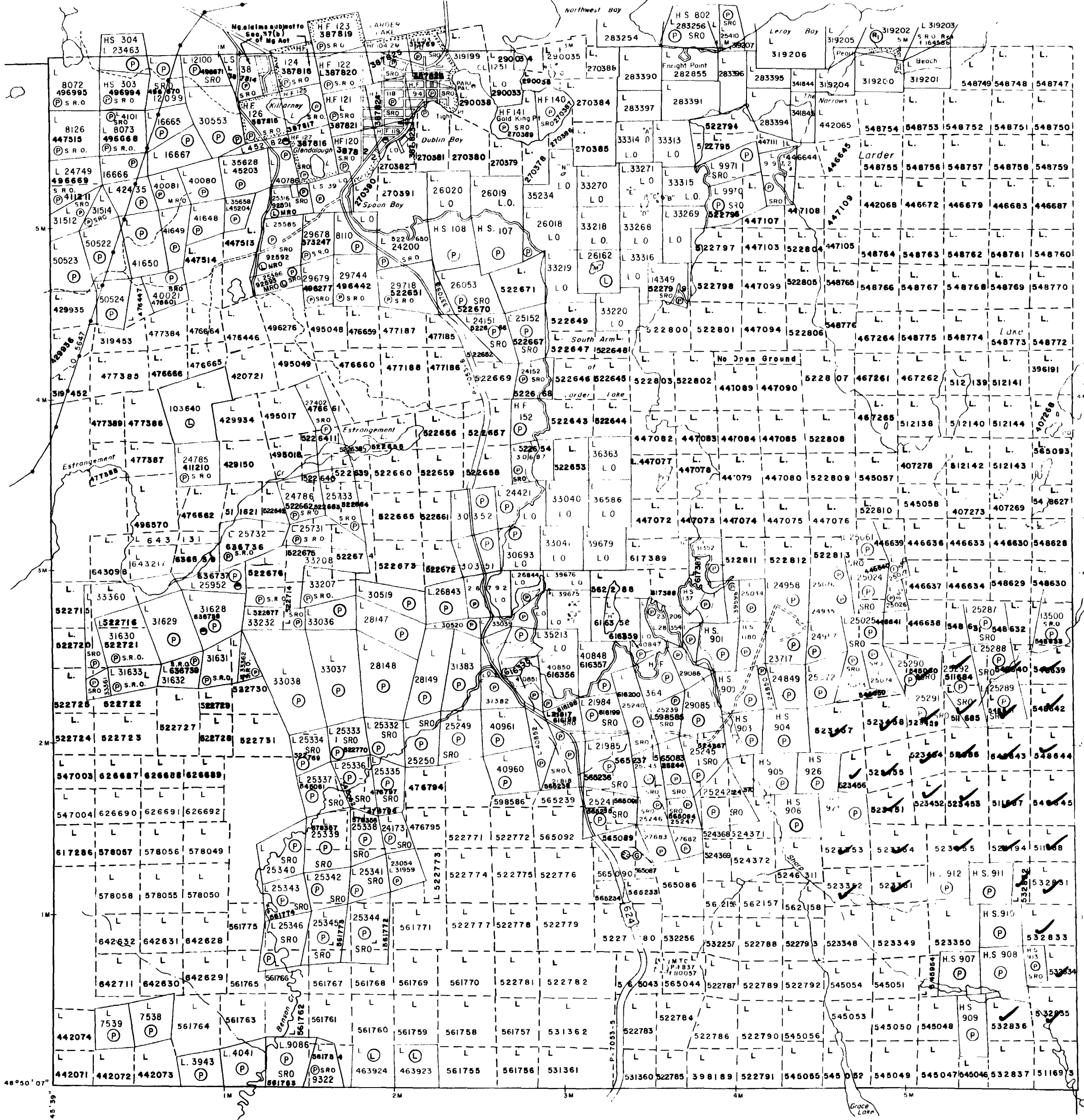
Order No.	File	Date	Disposition
W14/80NR.	164586	26/11/80	S.R.O.

DATE OF ISSUE
SEP 24 1982
Ministry of Natural Resources
TORONTO

2.4497

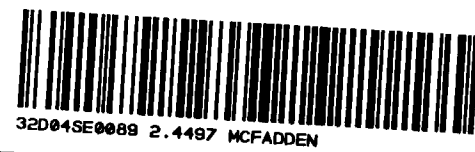
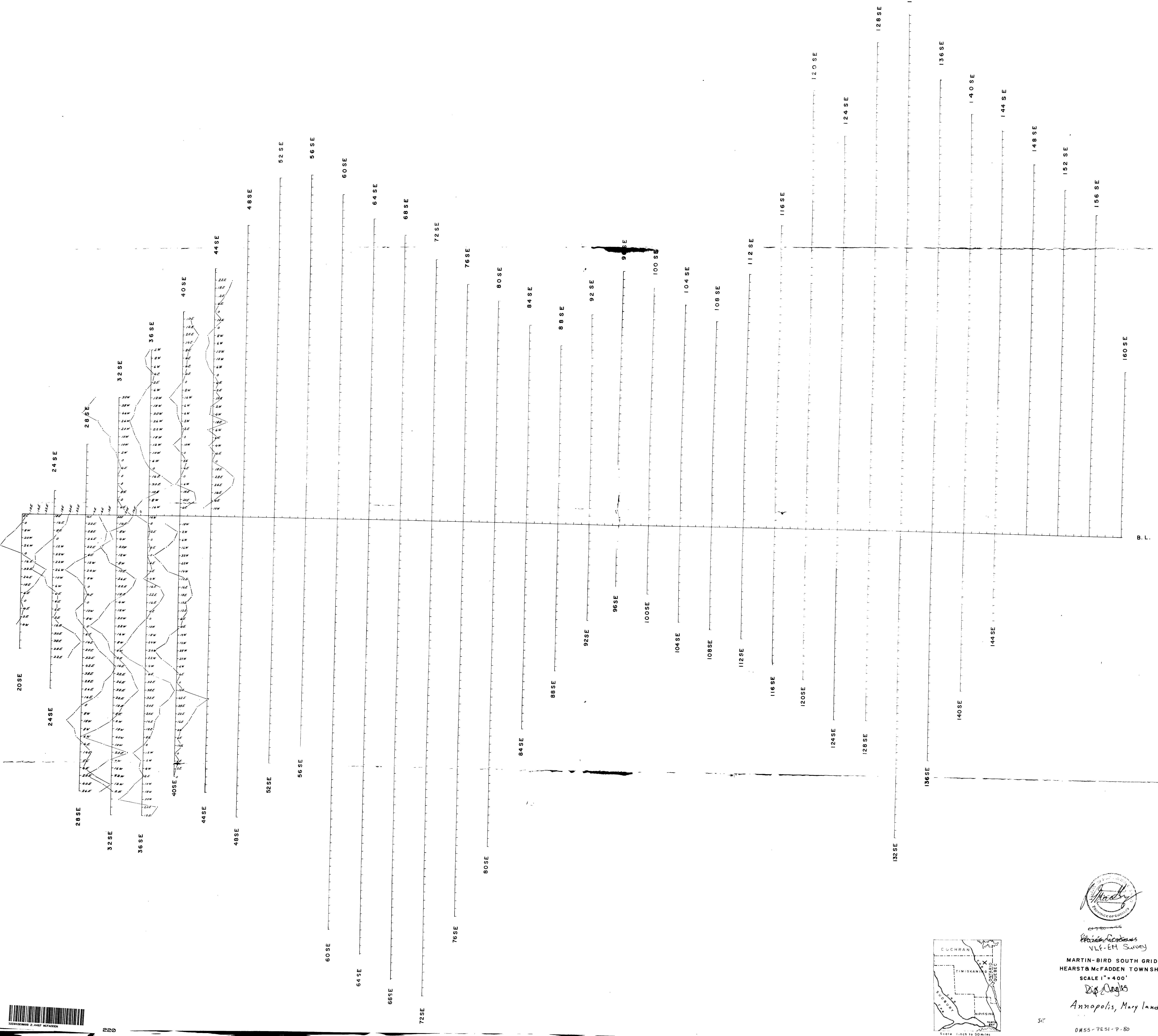
PLAN NO. M-354

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

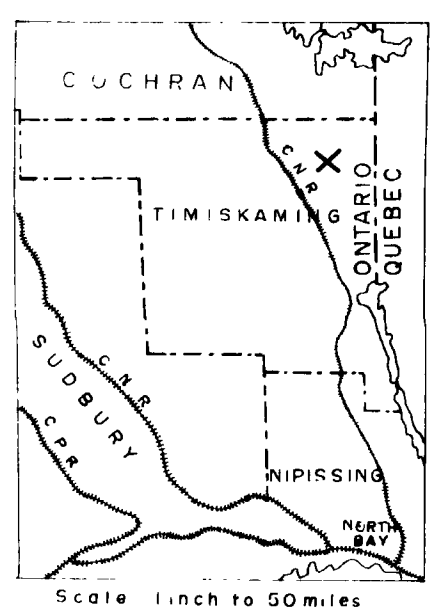



SKEAD TWP. M-387





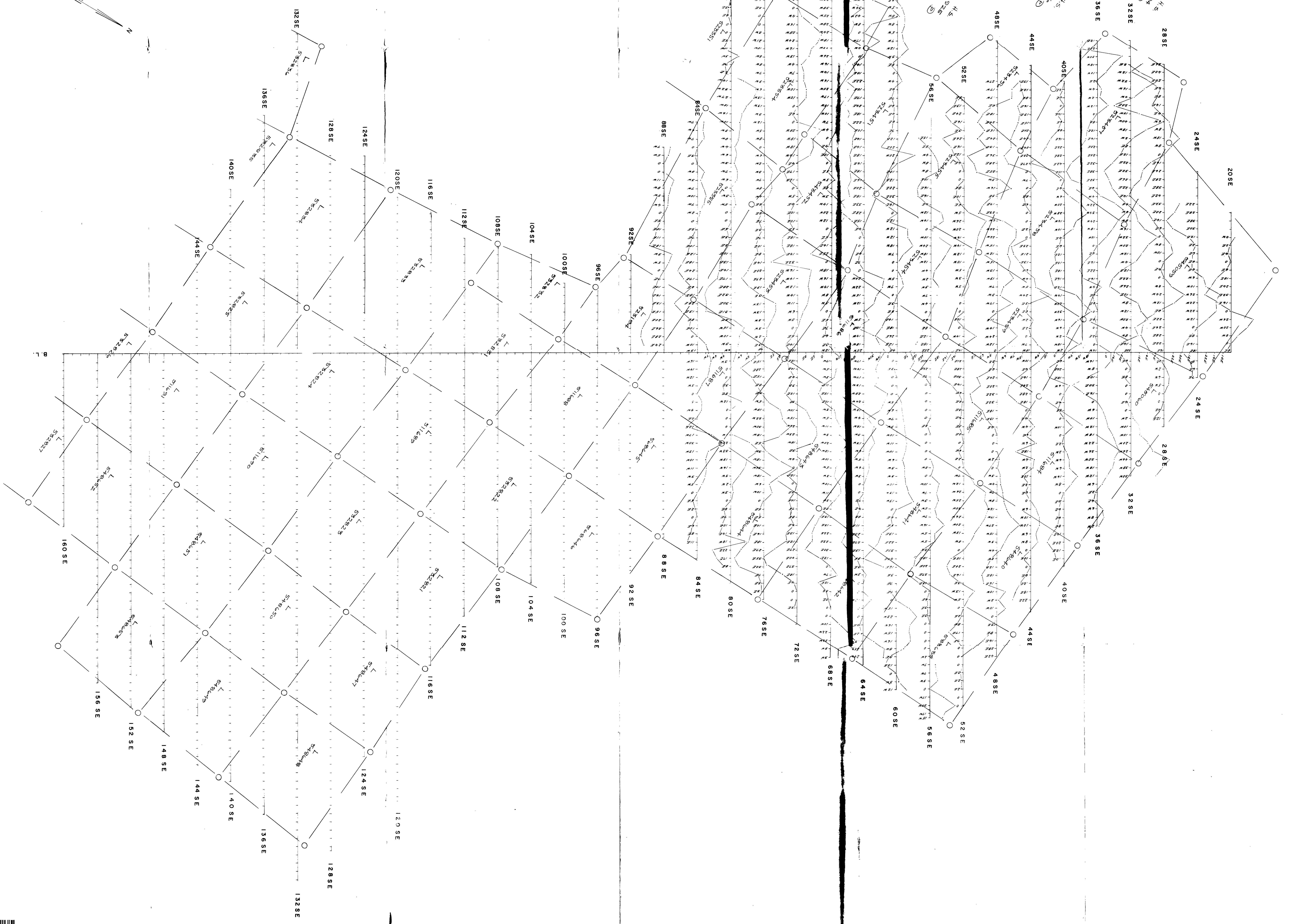
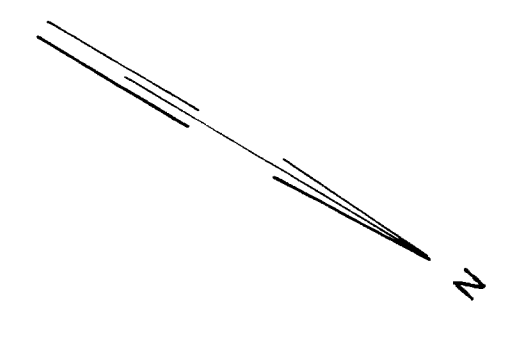
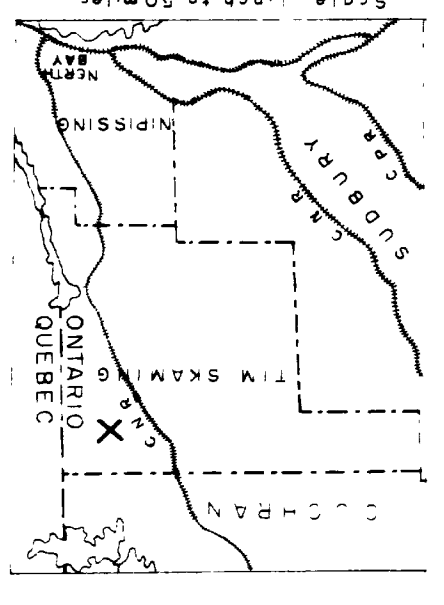
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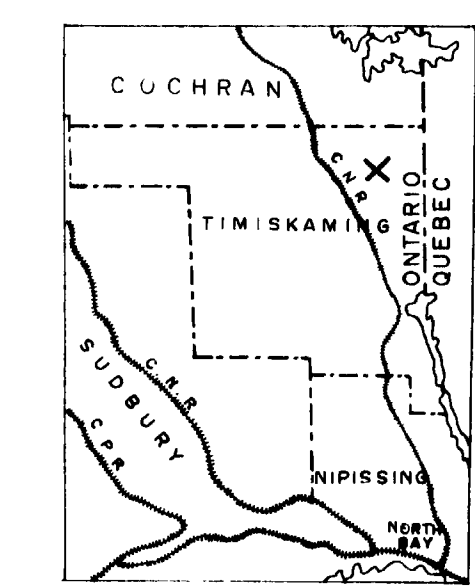

 VLF-EM Swovey
 MARTIN-BIRD SOUTH GRID
 HEARST & MCFADDEN TOWNSHIPS
 SCALE 1" = 400'
 Dig Dates
 Annapolis, Maryland
 0N55-PES1-P-80

2447

VLF-EM SURVEY
 DIP ANGLE OF THE RESULTANT FIELD
 HEARST-BIRD SOUTH GRID
 SCALE 1" = 400'
 INDEPENDENT PHOENIX-VL-2
 277001 277002 277003 277004 277005
 SCALE 1:1000
 1987



B. 1.



VLF-EM SURVEY
 DIP ANGLE OF THE RESULTANT FIELD
 MARTIN-BIRD SOUTH GRID
 HEARST & McFADDEN TOWNSHIPS
 SCALE 1" = 400'

INSTRUMENT: PHOENIX VLF-2
 STATION: ANNAPOLIS, MARYLAND (21.4 KHZ)
 SCALE 1" = 400'

2.4497