



42A07NW0113 2.1718 SHERATON

18

RECEIVED

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FEB 26 1975

PROJECTS UNIT.

COMINCO LTD.

GEOPHYSICAL SURVEYS

Claims P-381221 to P-381224
(inclusive)

Sheraton Twp, Ontario

February 11, 1975

E. O. Andersen

The Turam survey was done on lines spaced 400 feet apart to completely cover the claim group. A total of 4.0 line miles were surveyed. The instrument used was a Scintrex SE-71 operating at 400 hertz and using a receiving coil spacing of 100 feet. Primary source loop sizes and locations are indicated on Plate 2. Reduced ratio and phase difference values are plotted midway between receiver coil locations.

Two anomalies were detected by the survey. One is located on Line 16E at 13+00 S. This is probably only a one-line anomaly, but may extend to Line 12E.

The second anomaly is located on Line 12E at 27+00 S. This anomaly also appears to be short, but there may be some chance that it extends onto Line 8E, south of the surveyed area.

Submitted by

E. O. Andersen P. Eng



COMINCO LTD.

GEOPHYSICAL SURVEY

Claims P-381221 to P-381224
(inclusive)
Sheraton Twp, Ont.

(Addendum to Report Dated Feb.11,1975)

June 12, 1975

E. O. Andersen

1.) LOCATION AND MEANS OF ACCESS:

The property is located approximately 20 miles ESE of Timmins, Ont. in Sheraton Township. Access is by means of the Gibson Lake Road which comes south from Highway #101. From where the Gibson Lake Road enters Sheraton Twp. access is by foot. The attached Plate #1 shows the property location and access.

2.) GEOLOGICAL INFORMATION:

The area is extensively covered by overburden to a depth of about 125 feet. One drill hole just north of the present property encountered breccia, pyritic argillite, argillite and acidic lapilli tuff with some bands of sulphides.

A hole collared on Line 16E at 14+35 S and drilling north at -65° intersected rhyolite and graphitic tuffs with some sulphides. This drilling has been separately filed for assessment work.

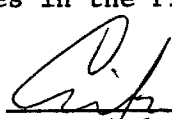
3.) PREVIOUS WORK DONE ON THE PROPERTY:

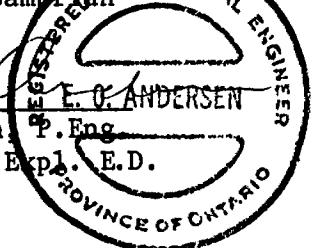
No previous work was done on the present claims. However, previous to the present staking airborne EM and mag surveys were flown by Canadian Aero and by Geoteriex in 1972 and by Dighem Ltd. in 1971.

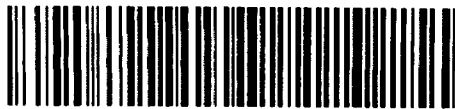
4.) RESULTS OBTAINED AND CONCLUSIONS:

Two anomalies were detected by the survey. One is located on Line 16E at 13+00 S. This is probably only a one-line anomaly, but may extend to Line 12E. This anomaly was subsequently drill tested and found to be caused by graphitic argillite and pyrite in the Pre-Cambrian bedrock at a depth of about 140 feet below surface.

The second anomaly is located on Line 12E at 27+00 S. This anomaly also appears to be short, but there may be some chance that it extends onto Line 8E, south of the surveyed area. The cause of this anomaly is unknown, but it is likely that its cause lies in the Pre-Cambrian bedrock.

Submitted by 
E. O. Andersen, P. Eng.
Geophysicist, Expl. E.D.





42A07NW0113 2.1718 SHERATON

GEOPHYSICAL - GEOLO
TECHNICAL DATA

900

FEB 26 1975

PROJECTS UNIT.

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 Ground EM
Township or Area Sheraton
Claim holder(s) Cominco Ltd.
Author of Report E. O. Andersen
Address c/o Cominco Ltd., 120 Adelaide St. W., Tor
Covering Dates of Survey Oct. 1973
(linecutting to office)
Total Miles of Line cut 4.0

MINING CLAIMS TRAVERSED
List numerically

P - 381221
(prefix) (number)
P - 381222
P - 381223
P - 381224

SPECIAL PROVISIONS
CREDITS REQUESTED

DAYS
per claim

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

ENTER 20 days for each
additional survey using
same grid.

Geophysical
- Electromagnetic 40
- Magnetometer
- Radiometric
- Other
Geological
Geochemical

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

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

DATE: 12 Feb 75 SIGNATURE: [Signature]
Author of Report or Agent

PROJECTS SECTION

Res. Geol. _____ Qualifications 2.259

Previous Surveys 2.962, 2.961, 2.490 are all
airborne and 2.698 Airborne Certificate

Checked by _____ date _____

GEOLOGICAL BRANCH _____

Approved by _____ date _____

GEOLOGICAL BRANCH _____

Approved by _____ date _____

TOTAL CLAIMS 4

Since there are
only 16 readings for the
4 claims credits have
be reduced to 32 days
 $40 \times 4 = 160 \div (4+1)$
 $= 32 \text{ days per claim}$

If space insufficient, attach list

OFFICE USE ONLY

Show instrument technical data in each space for type of survey submitted or indicate "not applicable"

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS

Number of Stations 110 Number of Readings 116
Station interval 100 feet
Line spacing 400 feet
Profile scale or Contour intervals Reduced Ratio: 1" = 20%, Phase Diff: 1" = 10°
(specify for each type of survey)

MAGNETIC

Instrument _____
Accuracy - Scale constant _____
Diurnal correction method _____
Base station location _____

ELECTROMAGNETIC

Instrument Scintrex SE-71 (Turam)
Coil configuration Receiver Coils: Co-planar, horizontal
Coil separation Receiver Coils 100 feet apart
Accuracy Field strength ratio $\pm 2\%$; Phase difference: $\pm 1^\circ$
Method: Fixed transmitter Shoot back In line Parallel line
Frequency 400 hertz
(specify V.L.F. station)

Parameters measured Field strength ratio - reduced (normalized) Field strength ratios plotted
Phase difference

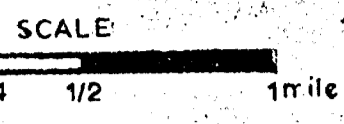
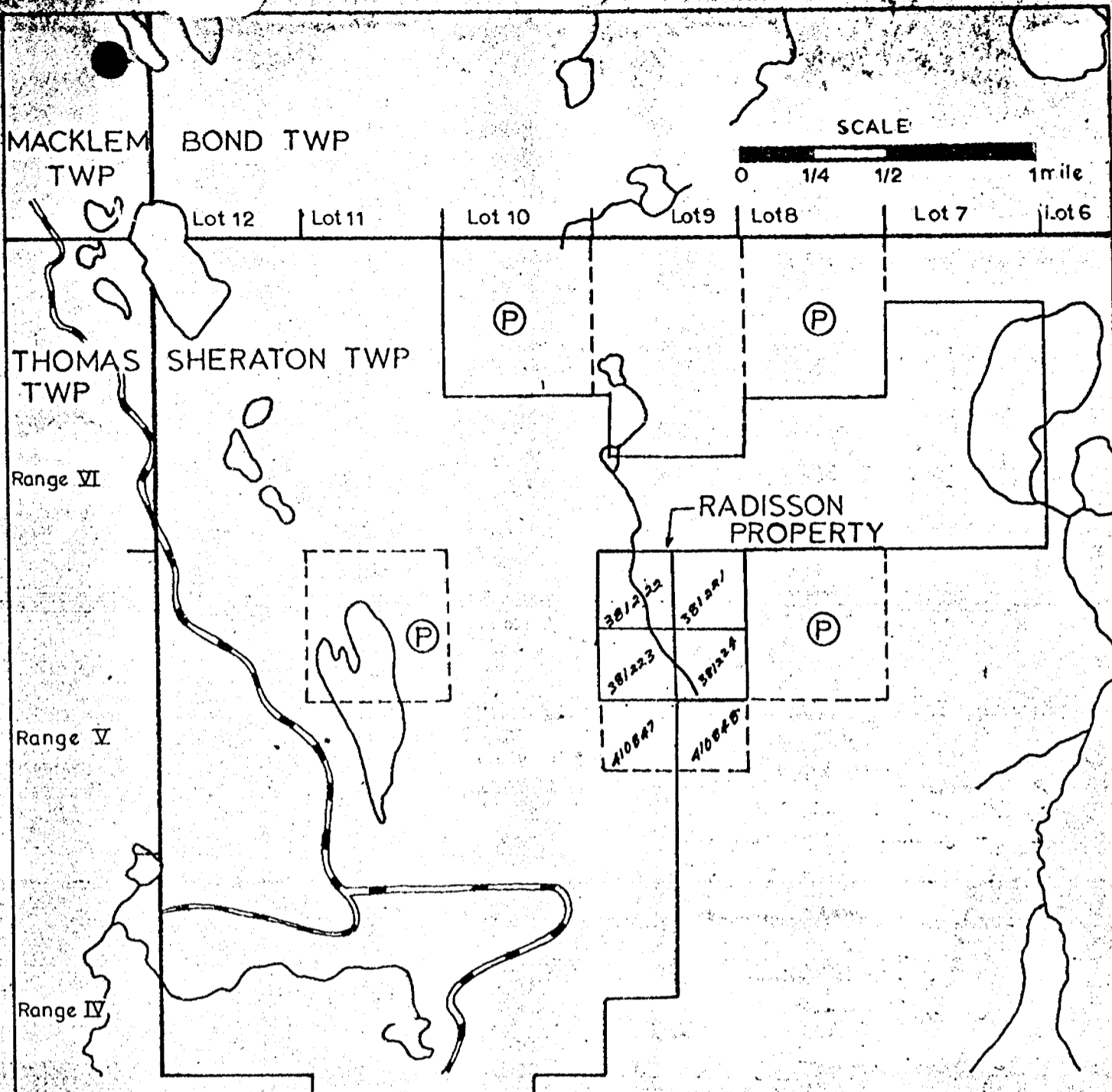
GRAVITY

Instrument _____
Scale constant _____
Corrections made _____
Base station value and location _____

Elevation accuracy _____

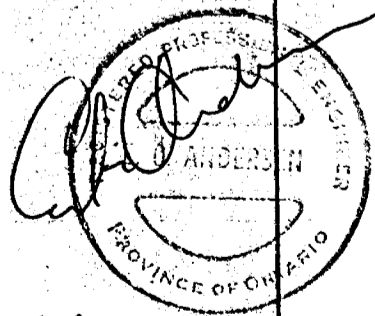
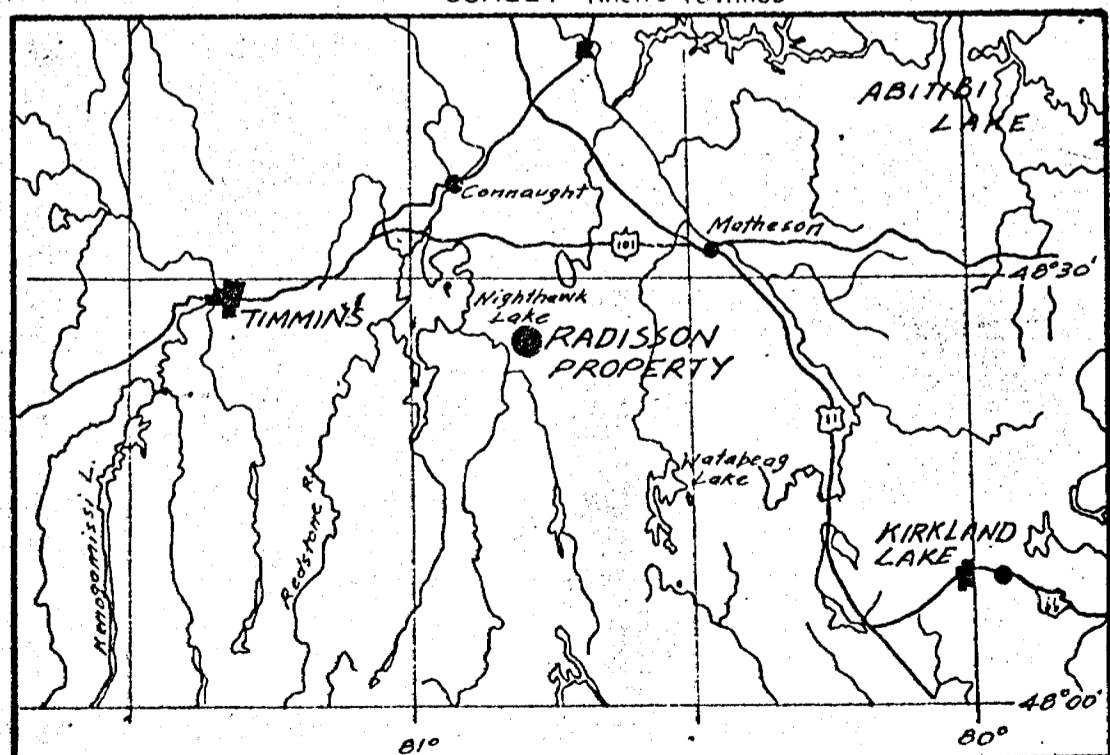
INDUCED POLARIZATION - RESISTIVITY

Instrument _____
Time domain _____ Frequency domain _____
Frequency _____ Range _____
Power _____
Electrode array _____
Electrode spacing _____
Type of electrode _____



LOCATION MAP

SCALE: 1 inch = 16 miles



Drawn by: E.O.A		Traced by: K.B	
Revised by	Date	Revised by	Date

RADISSON PROPERTY
LOCATION MAP

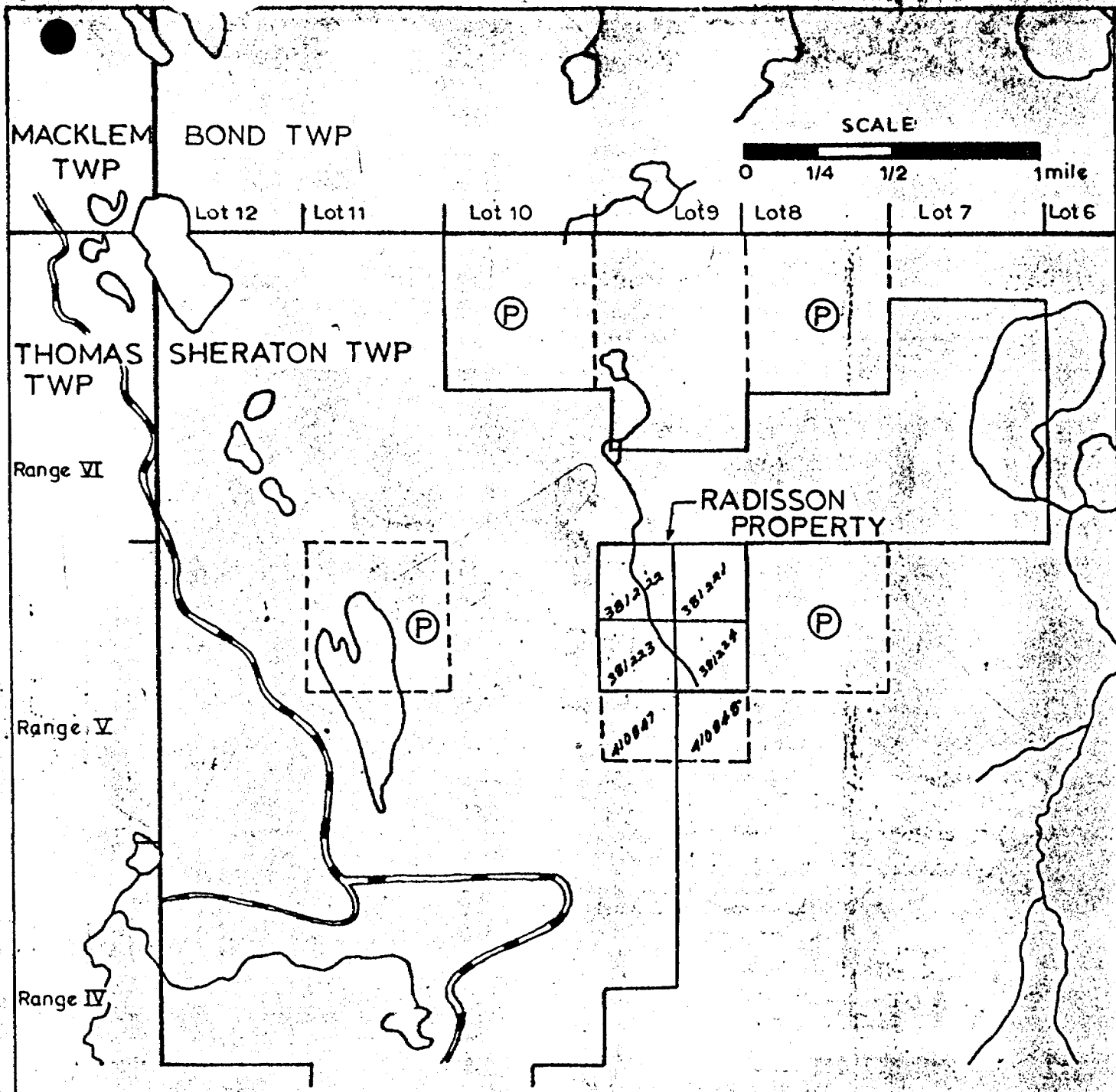
ONTARIO

Scale: 1 inch = 1/2 mile

Date: December 1974

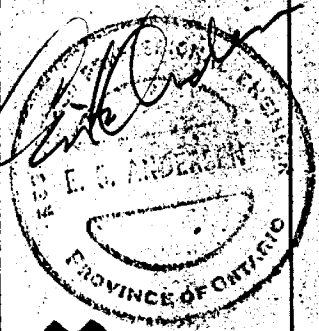
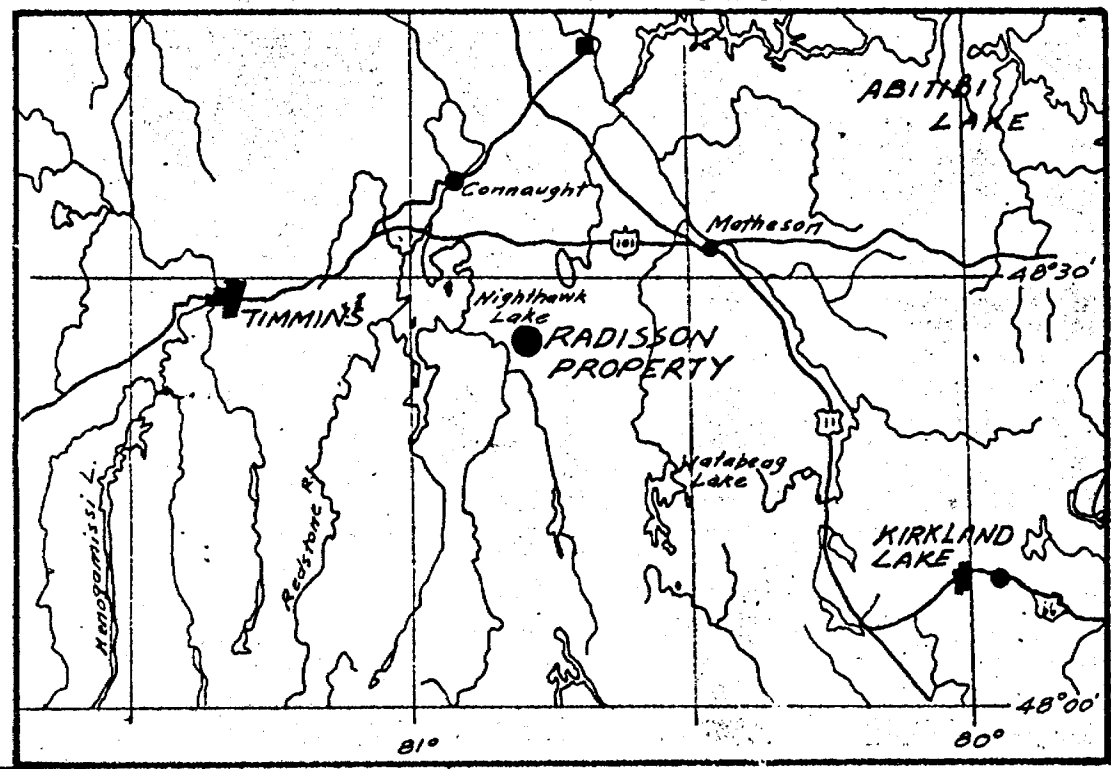
Plate: 1

NTS 42-A-7



LOCATION MAP

SCALE: 1 inch = 16 miles



Drawn by: E.O.A		Traced by: K.B	
Revised by	Date	Revised by	Date

**RADISSON PROPERTY
LOCATION MAP**

ONTARIO NTS 42-A-7

Scale: 1 inch = 1/2 mile Date: December 1974

Plate: 1

SHERATON TOWNSHIP

ONTARIO

MINISTRY OF NATURAL RESOURCES

PORCUPINE

MINING DIVISION

SURVEYS AND MAPPING BRANCH

DISTRICT OF COCHRANE

M.386

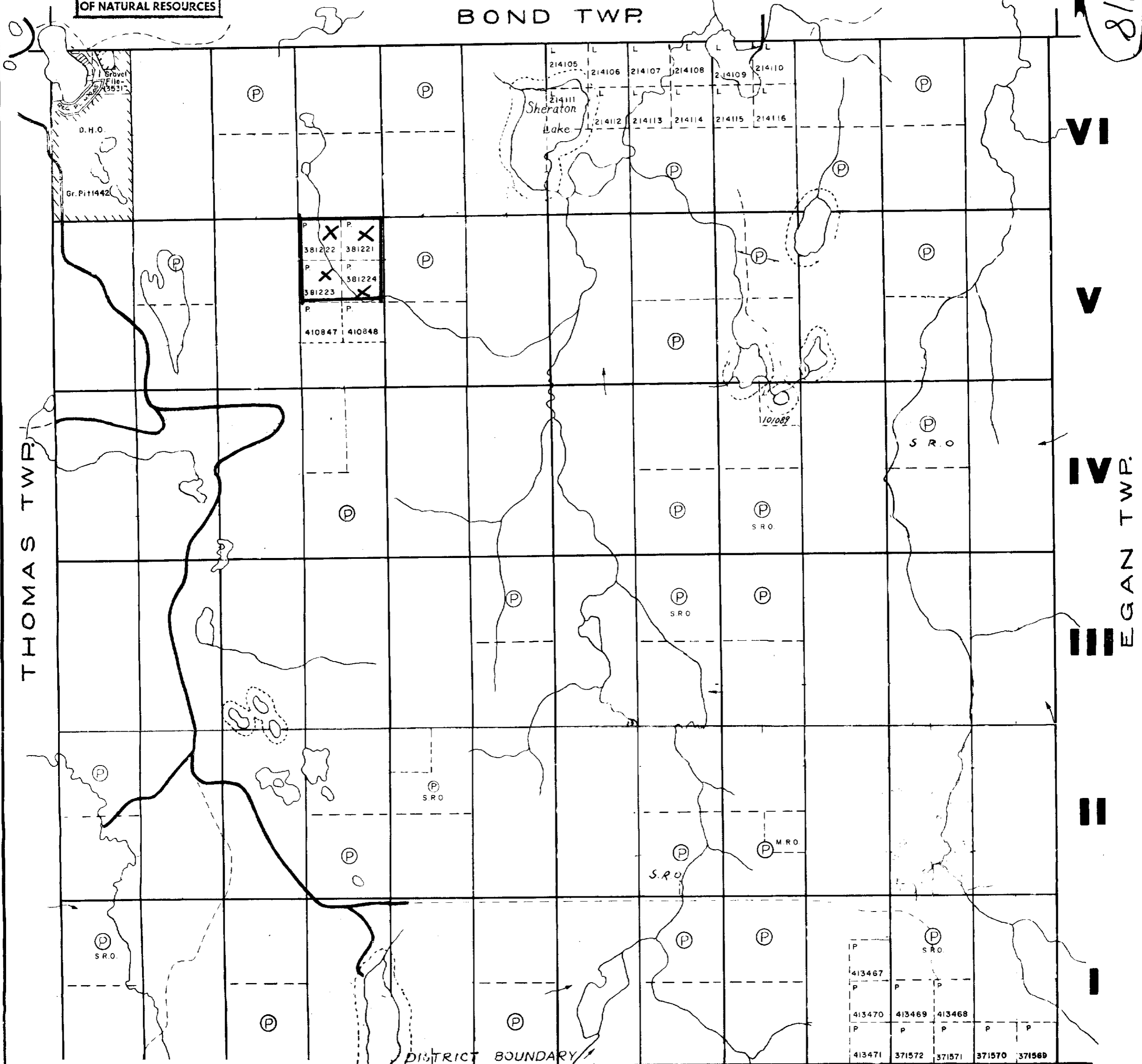
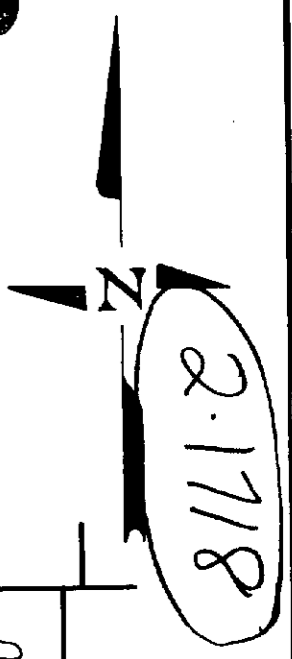
- MINING LANDS -
DATE OF ISSUE

FEB 26 1975

MINISTRY
OF NATURAL RESOURCES

SCALE 40 CHAINS TO ONE INCH

BOND TWP.



P	X	P	X
381222	381221		
P	X	P	X
381223	381224		
P		P	
410847	410848		

IP					
413467					
P	P	P			
413470	413469	413468			
P	P	P	P	P	
413471	371572	371571	371570	371569	



200

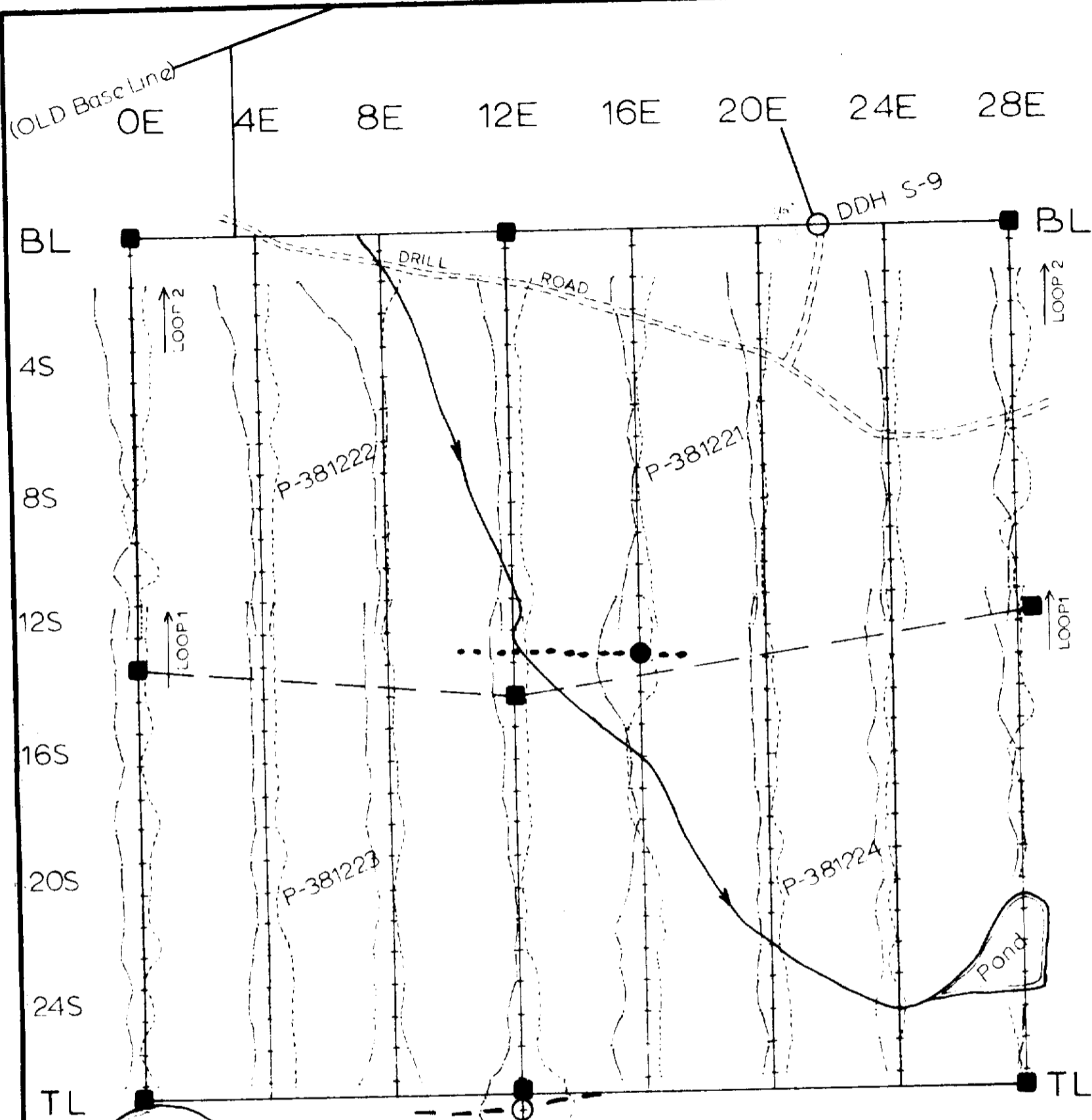
9 8 7 6 5 4 3 2 1
TIMMINS TWP.

400' Surface rights reservation around all lakes and rivers.

LEGEND

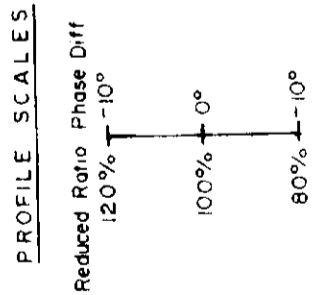
IMPROVED ROADS ... —
TRAILS ... - - -

PATENTED LANDS (P)
CROWN LAND SALES (S)



LEGEND

INSTRUMENT SCINTREX SE-71
 FREQUENCY 400Hz
 COIL SPACING 100ft
 TURAM ANOMALY RATINGS
 Good ●
 Fair ○
 Poor ◊
 CLAIM POSTS ■



LOOP CORNERS COORDINATES

LOOP 1	00-10S	00-5N	28E-13N	28E-10S
		00-5N	28E-13N	28E-00



210

E. J. [Signature]

DOMINION

Drawn by: EGA	Traced by: KB	RADISSON PROJECT TURAM EM SURVEY	NTS 42-A-7
Revised by: _____	Date: _____		
Revised by: _____	Date: _____	Scale: 1 inch = 400 feet	Date: November 1973
Revised by: _____	Date: _____		Plate: 2