



42A09SW0306 2.2327 HISLOP

Report on  
 Airborne Gamma Ray Spectrometer Survey  
 in  
 Bond, Currie, Bowman, Hislop and Sheraton  
 Townships  
 Ontario

I. INTRODUCTION

Between October 1 and November 1, 1976  
 Ingamar Exploration Limited conducted an airborne  
 gamma ray spectrometer survey of 10 separate claim  
 groups in the Bond, Currie, Bowman, Hislop and Sheraton  
 Townships in the Porcupine and Larder Lake Mining  
 Divisions, Ontario. The survey was carried out by  
 a Cessna 180 aircraft based at Connaught, equipped  
 with Exploranium Spectrometer GR-410 and GPX-21  
 sensor.

Flight line direction for the area was due  
 north. Traverses were spaced at 1/8 mile intervals  
 and the mean terrain clearance of the aircraft during the  
 survey flights was 200 feet.

A total of 87 line miles of geophysical data  
 was acquired over the area.

The following personnel were associated with the project.

Mr. Hibbard	-	Pilot-Navigator
F. Hussey	-	Field Technician
P. Brown	-	Project Geologist
Tom Gledhill	-	Geophysicist

The radiometric results are plotted on a plan map at a scale of 1" = 1320 feet. Forest Inventory Base Maps were the base for this map.

## II. EQUIPMENT

(1) Hewlett Packard 7155B recorder was used employing 12 cm wide chart with fiducial marker and single channel recording pen. Holding the chart so the fiducial numbers increase from left to right, the trace reads total count of gamma radiation each cm representing 10 counts. The time constant of the trace is 2 sec. The zero mark is at the bottom or near side of the trace.

(2) The Gamma Ray Spectrometer is manufactured by Exploranium with an analogue output for total count, potassium, uranium and thorium. For this survey only the total count was used.

The detector was Exploranium GPX-21 (sodium iodide crystal of 21 cubic inches).

The total count anomalies are plotted on the map, circled and lettered A, B, etc.

### III. GEOLOGY

In general, the entire area is covered with varved glacial sediments, sand and gravel up to 100 feet in thickness. The underlying rocks, mainly interpreted from geophysical survey, sparse drill holes and outcrop, are Pre-Cambrian basic lava and pyroclastic flows. These are in contact with a one mile wide interflow rhyolite horizon that strikes northeast. Narrow diabase dikes of later age cut this assemblage. These rock types are the typical host rocks for the mineral deposits of the Timmins area.

Government airborne magnetic maps 2976 and 2946 cover the area and reflect the northeasterly strike of the formations but no apparent magnetic disturbance occurs in the area.

It was not known what might be learned from a Gamma-ray survey directly but it might prove helpful in locating outcrop of potassium rich volcanics or intrusives.

### IV. DISCUSSION OF RESULTS

The gamma-ray survey of the 10 groups (151 stations)


was a disappointment. There had been limited and selected mapping on each of the claim groups earlier and the anomalies did not correlate with the granitic outcrops. It was hoped that this work might locate granite outcrops (or high potassium rocks).

V. CONCLUSIONS AND RECOMMENDATIONS

This area has considerable overburden. It is very difficult to initiate an exploration program other than coverage geophysical to locate sulphide deposits.

It is recommended that the company should wait for the release of more information before undertaking further work.

Respectfully submitted,



Tom Gledhill, B.A., P. Eng.

February 28, 1977.





42A09SW0306 2.2327 H1 SLOP

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File 2.2327

*by hand*

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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 Airborne Spectrometer  
Township or Area Bond, Currie, Bowman, Hills, Stanton  
Claim holder(s) \_\_\_\_\_  
Author of Report Tom Shidhill  
Address 21 Sandalwood Place  
Pon Mills, GA  
Covering Dates of Survey Oct 1 - Dec 1 1976  
(linecutting to office)  
Total Miles of Line cut B7

<u>SPECIAL PROVISIONS</u> <u>CREDITS REQUESTED</u>	DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical --Electromagnetic _____ --Magnetometer _____ --Radiometric _____ --Other _____
ENTER 20 days for each additional survey using same grid.	Geological _____ Geochemical _____

\* AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)  
Magnetometer \_\_\_\_\_ Electromagnetic \_\_\_\_\_ Radiometric 20  
(enter days per claim)

DATE: Feb 28/77 SIGNATURE: [Signature]  
Author of Report or Agent

PROJECTS SECTION  
Res. Geol. \_\_\_\_\_ Qualifications 63.1085  
Previous Surveys \_\_\_\_\_

Checked by \_\_\_\_\_ date \_\_\_\_\_

GEOLOGICAL BRANCH \_\_\_\_\_

Approved by \_\_\_\_\_ date \_\_\_\_\_

GEOLOGICAL BRANCH \_\_\_\_\_

Approved by \_\_\_\_\_ date \_\_\_\_\_

MINING CLAIMS TRAVERSED	
List numerically	
P 427086-99 incl	(prefix) (number)
P 420581-94 incl	
P 427052-33 incl	
P 420595-97 incl	
P 419997 -	
P 420000-01 incl	
P 420184-88 incl	
P 426683-86 incl	
L 427062-65 incl ✓	
L 426571-76 incl ✓	
L 426716 ✓	
L 420190-204 incl ✓	
L 424706-10 incl ✓	
L 424711-713 incl ✓	
L 427042-51 incl ✓	
L 424709-11 incl ✓	
L 429697 ✓	
L 429724-26 incl ✓	
L 420868 ✓	
L 426875-77 incl ✓	
L 420578 ✓	
L 426567-76 incl ✓	
L 426561-66 incl ✓	
L 410902-907 incl ✓	
L 410896-97 incl ✓	
L 426974-81 incl ✓	
L 426899-900 incl ✓	
L 426994-7295 incl ✓	
L 420858-63 incl ✓	
L 426864-1-42667 incl ✓	
L 426551-54 incl ✓	
L 426869-74 incl ✓	
TOTAL CLAIMS <u>151</u>	

OFFICE USE ONLY

If space insufficient, attach list

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

### GEOPHYSICAL TECHNICAL DATA

#### GROUND SURVEYS

Number of Stations \_\_\_\_\_ Number of Readings \_\_\_\_\_  
Station interval \_\_\_\_\_  
Line spacing \_\_\_\_\_  
Profile scale or Contour intervals \_\_\_\_\_  
(specify for each type of survey)

#### MAGNETIC

Instrument \_\_\_\_\_  
Accuracy - Scale constant \_\_\_\_\_  
Diurnal correction method \_\_\_\_\_  
Base station location \_\_\_\_\_

#### 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 \_\_\_\_\_  
Time domain \_\_\_\_\_ Frequency domain \_\_\_\_\_  
Frequency \_\_\_\_\_ Range \_\_\_\_\_  
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 \_\_\_\_\_

77x40=3080-153=

Gamma Ray Spectrometer 20 days

Exploranium 410

10 cps / cm

Cessna

200'

Forest Inventory Maps

200'

1/8 mile

87

87 77







Recorded Holder: Daniel Rochon et al.

Township or Area: Bowman, Bond, Currie, Hislop and Sheraton Townships

Type of survey and number of Assessment days credit per claim	Mining Claims
<b>Geophysical</b>	
Electromagnetic _____ days	P. 41997
Magnetometer _____ days	42000 - 01
Radiometric _____ 20 _____ days	420184 to 88 inclusive
Induced polarization _____ days	420581 to 97 "
Section 86 (18) _____ days	426683 to 86 "
Geological _____ days	427032 - 33
Geochemical _____ days	427086 to 99 inclusive
Man days <input type="checkbox"/> Airborne <input checked="" type="checkbox"/>	L. 410896 to 97 inclusive
Special provision <input type="checkbox"/> Ground <input type="checkbox"/>	410902 to 07 "
	420190 to 204 "
	420578
	424706 to 13 inclusive
	426551 to 54 "
	426561 to 76 "
	426716
	426858 to 77 inclusive
	426899 - 900
	426994 - 95
	426974 to 81 inclusive
	427042 to 51 "
	427062 to 65 "
	429697
	429709 to 11 inclusive
	429724 to 26 "

**Notice of Intent to be issued:**

Credits have been reduced because of partial coverage of claims.

Credits have been reduced because of corrections to work dates and figures of applicant.

No credits have been allowed for the following mining claims as they were not sufficiently covered by the survey:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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;



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Ministry of  
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January 5, 1977

Notification of recording  
of assessment work credits

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MINING LANDS SECTION

Projects Unit  
Mining Lands Section  
Ministry of Natural Resources  
Room 1517, Whitney Block

Date of recording of work: January 5, 1977

Recorded holder: Ernest Sicard,

Address: c/o 21 Sandalwood Place, Don Mills, Ontario.

Township or Area: Bond & Sheraton Townships

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	P-419997, P-420000-420001, P-420184-420188 incl. P-426683-426686 incl.
Electromagnetic _____ days	
Magnetometer <u>20</u> _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Section 86 (18) _____ days	
Geological _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/>	Airborne <input checked="" type="checkbox"/>
Special provision <input checked="" 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.

Tom  
Mining recorder  
c.c. Ted Clodhill



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MINING LANDS SECTION

Supervisor, Projects Unit  
Mining Lands Section  
Ministry of Natural Resources  
Room 1617, Whitney Block  
Queen's Park, Toronto  
M7A 1Y5

Date of recording of work: January 5, 1977

Recorded holder: Charles R. Morgan,

Address: c/o 21 Sandalwood Place, Don Mills, Ontario.

Township or Area: Bond Township

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	P-420581-420594 incl., P-427032-427033, P-420595-420597 incl.
Electromagnetic _____ days	
Magnetometer <u>20</u> _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Section 86 (18) _____ days	
Geological _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/>	Airborne <input checked="" type="checkbox"/>
Special provision <input checked="" type="checkbox"/>	Ground <input type="checkbox"/>

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Tom  
Mining recorder  
c.c. Ted Gledhill,



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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: January 5, 1977

Recorded holder: Daniel Rochon,

Address: c/o 21 Sandalwood Place, Don Mills, Ontario.

Township or Area: Bond Township

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	P-427086-427099 incl.
Electromagnetic _____ days	
Magnetometer <u>20</u> _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Section 86 (18) _____ days	
Geological _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/>	Airborne <input checked="" type="checkbox"/>
Special provision <input checked="" type="checkbox"/>	Ground <input type="checkbox"/>

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Tom Gledhill  
Mining recorder

c.c. Tom Gledhill



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

Supervisor, Projects Unit  
Mining Lands Section  
Ministry of Natural Resources  
Room 1617, Whitney Block  
Queen's Park, Toronto  
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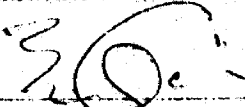
Date of recording of work: January 5, 1977  
Recorded holder: Ernest Sicard  
Address: c/o 21 Sandalwood Place,  
Don Mills, Ontario,  
Township or Area: Currie township

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical <u>20</u> days	L-426899, L-426900, L-426994, L-426995.
Electromagnetic..... days	
Magnetometer..... days	
Radiometric..... days	
Induced polarization..... days	
Section 86 (13)..... days	
Geological..... days	
Geochemical..... days	
Man days <input type="checkbox"/>	Airborne <input checked="" type="checkbox"/>
Special provision <input type="checkbox"/>	Ground <input type="checkbox"/>

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Mining recorder  
c.c. Ernest Sicard  
c.c. Tom Gledhill,  
21 Sandalwood Place,  
Don Mills, Ontario



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

MINING LANDS SECTION

LANDS ADMINISTRATION  
BRANCH

Date of recording of work: January 5, 1977

Recorded holder: William Manderstrom,

Address: c/o 21 Sandalwood Place,  
Don Mills, Ontario.

Township or Area: Currie and Bowman townships

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical <u>20</u> days	L-424706 to L-424710 inclusive, Currie, L-424711 to L-424713 inclusive, Bowman, L-427042 to L-427051 inclusive, Bowman, L-429709 to L-429711 inclusive, Bowman.
Electromagnetic..... days	
Magnetometer..... days	
Radiometric..... days	
Induced polarization..... days	
Section 36 (18)..... days	
Geological..... days	
Geochemical..... days	
Man days <input type="checkbox"/>	Airborne <input checked="" type="checkbox"/>
Special provision <input type="checkbox"/>	Ground <input type="checkbox"/>

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Mining recorder

c.c. William Manderstrom  
c.c. Tom Gladhill,  
21 Sandalwood Place,  
Don Mills, Ontario.



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Recording Office,  
4 Gov't Road East,  
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Supervisor, Projects Unit  
Mining Lands Section  
Ministry of Natural Resources  
Room 1617, Whitney Block  
Queen's Park, Toronto  
MTA 1W3

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PROJECTS UNIT

Date of recording of work: January 5, 1977

Recorded holder: Daniel Rochon,  
c/o 21 Sandalwood Place,  
Address: Don Mills, Ontario.

Township or Area: Currie

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical <u>20</u> days	L-426567 to L-426570 inclusive. L-426561 to L-426566 inclusive, L-410902 to L-410907 inclusive, L-410896, L-410897, L-426974 to L-426981 inclusive
Electromagnetic days	
Magneto-telluric days	
Radiometric days	
Induced polarization days	
Section 86 (18) days	
Geological days	
Geochemical days	
<input type="checkbox"/> Man days <input type="checkbox"/> Airborne <input checked="" type="checkbox"/>	
<input type="checkbox"/> Special provision <input type="checkbox"/> Ground <input type="checkbox"/>	

Notice to recorded holder:

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Mining recorder

cc. Daniel Rochon,  
c.c. Tom Gledhill,  
21 Sandalwood Place,  
Don Mills, Ontario.



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Recording Office,  
4 Gov't Road East,  
Kirkland Lake, Ontario,  
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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: January 13, 1977

Recorded holder: Ernest Sicard

Address: c/o 21 Sandalwood Place, Don Mills, Ontario, M3B 1L5

Township or Area: Hislop township

Type of survey and number of Assessment days credit per claim	Mining claims	
Geophysical <u>20</u> days	L-42651 to L-42654 inclusive	
Electromagnetic ..... days		
Magnetometer ..... days		
Radiometric ..... days		
Induced polarization ..... days		
Section 86 (18) ..... days		
Geological ..... days		
Geochemical ..... days		
Man days <input type="checkbox"/>		Airborne <input checked="" type="checkbox"/>
Special provision <input type="checkbox"/>		Ground <input type="checkbox"/>

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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. *Man 14*

Reports and maps are being forwarded to the Projects

*[Signature]*  
Mining recorder

c.c. Ernest Sicard  
cc Tom Gledhill  
21 Sandalwood Place,  
Don Mills, Ontario





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Recording Office,  
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Kirkland Lake, Ontario,  
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Queen's Park, Toronto  
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Date of recording of work: January 5, 1977

Recorded holder: Charles R. Morgan,  
c/o 21 Sandalwood Place,  
Address: Don Mills, Ontario.

Township or Area: Bowman township

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical <u>20</u> days	L-429697, L-429724 to L-429726 inclusive, L-426868, L-426875 to L-426877 inclusive, L-420578.
Electromagnetic ..... days	
Magnetometer ..... days	
Radiometric ..... days	
Induced polarization ..... days	
Section 86 (18) ..... days	
Geological ..... days	
Geochemical ..... days	
Man days <input type="checkbox"/>	Airborne <input checked="" type="checkbox"/>
Special provision <input type="checkbox"/>	Ground <input type="checkbox"/>

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Mining recorder

c.c. Charles R. Morgan,  
c.c. Tom Gledhill,  
21 Sandalwood Place,  
Don Mills, Ontario.



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

Date of recording of work: January 5, 1977  
Recorded holder: Maurice Hibbard,  
c/o 21 Sandalwood Place,  
Address: Don Mills, Ontario,  
Township or Area: Currie township

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical <u>20</u> days	L-426716, L-420190 to L-420204 inclusive.
Electromagnetic ..... days	
Magneto-telluric ..... days	
Radiometric ..... days	
Infrared polarization ..... days	
Section 86 (18) ..... days	
Geological ..... days	
Geochemical ..... days	
Man days <input type="checkbox"/>	Airborne <input checked="" 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.

Mining recorder

c.c. Maurice Hibbard  
c.c. Tom Gledhill,  
21 Sandalwood Place,  
Don Mills, Ontario.



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PROJECTS UNIT.

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: January 5, 1977

Recorded holder: Herb Bujold

Address: c/o 21 Sandalwood Place,  
Don Mills, Ontario.

Township or Area: Currie

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical <u>20</u> days	L-427062 to L-427065 Inclusive, L-426571 to L-426576 Inclusive.
Electromagnetic ..... days	
Magnetometer ..... days	
Radiometric ..... days	
Induced polarization ..... days	
Section 86 (18) ..... days	
Geological ..... days	
Geotechnical ..... days	
Men days <input type="checkbox"/>	Airborne <input checked="" type="checkbox"/>
Special provision <input type="checkbox"/>	Ground <input type="checkbox"/>

Notice to recorded holder:

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Reports and maps are being forwarded to the Projects

Mining recorder

c.c. Herb Bujold  
c.c. Tom Gledhill,  
21 Sandalwood Place,  
Don Mills, 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.

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

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PROJECTS UNIT

Date of recording of work: January 5, 1977

Recorded holder: Willis Tripp

Address: c/o 21 Sandalwood Place,  
Don Mills, Ontario.

Township or Area: Currie and Bowman townships

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical <u>20</u> days	L-426858 to L-426863 Inclusive, L-426864 to L-426867 Inclusive.
Electromagnetic ..... days	
Magnetometer ..... days	
Radiometric ..... days	
Induced polarization ..... days	
Section 86 (18) ..... days	
Geological ..... days	
Geochemical ..... days	
Man days <input type="checkbox"/>	
Airborne <input checked="" type="checkbox"/>	
Special provision <input type="checkbox"/>	
Ground <input checked="" 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.

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Mining recorder

c.c. Willis Tripp  
c.c. Tom Gledhill,  
21 Sandalwood Place,  
Don Mills, Ontario



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Kirkland Lake, Ontario,  
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Mining Lands Section  
Ministry of Natural Resources  
Room 1617, Whitley Block  
Queen's Park, Toronto  
M7A 1W3

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MINING LANDS SECTION

Date of recording of work: January 13, 1977  
Recorded holder: Charles R. Morgan  
Address: c/o 21 Sandalwood Place,  
Don Mills, Ontario, M3B 1L5.  
Township or Area: Hislop

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical <u>20</u> days	L-426869 to L-426874 inclusive
Electromagnetic ..... days	
Magnetometer ..... days	
Radioelectric ..... days	
Induced polarization ..... days	
Section 66 (18) ..... days	
Geological ..... days	
Geochemical ..... days	
Man days <input type="checkbox"/>	
Special provision <input type="checkbox"/>	
Airborne <input checked="" type="checkbox"/>	
Ground <input type="checkbox"/>	

Notice to recorded holder:

Survey reports and maps in duplicate must be sub-  
mitted 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, Toronto.

*[Signature]*  
Mining recorder

c.c. Charles R. Morgan  
c.c. Tom Gledhill  
21 Sandalwood Place,  
Don Mills, Ontario.

1101-14

2:2327

# BOND TOWNSHIP

ONTARIO

MINISTRY OF NATURAL RESOURCES

PORCUPINE

MINING DIVISION

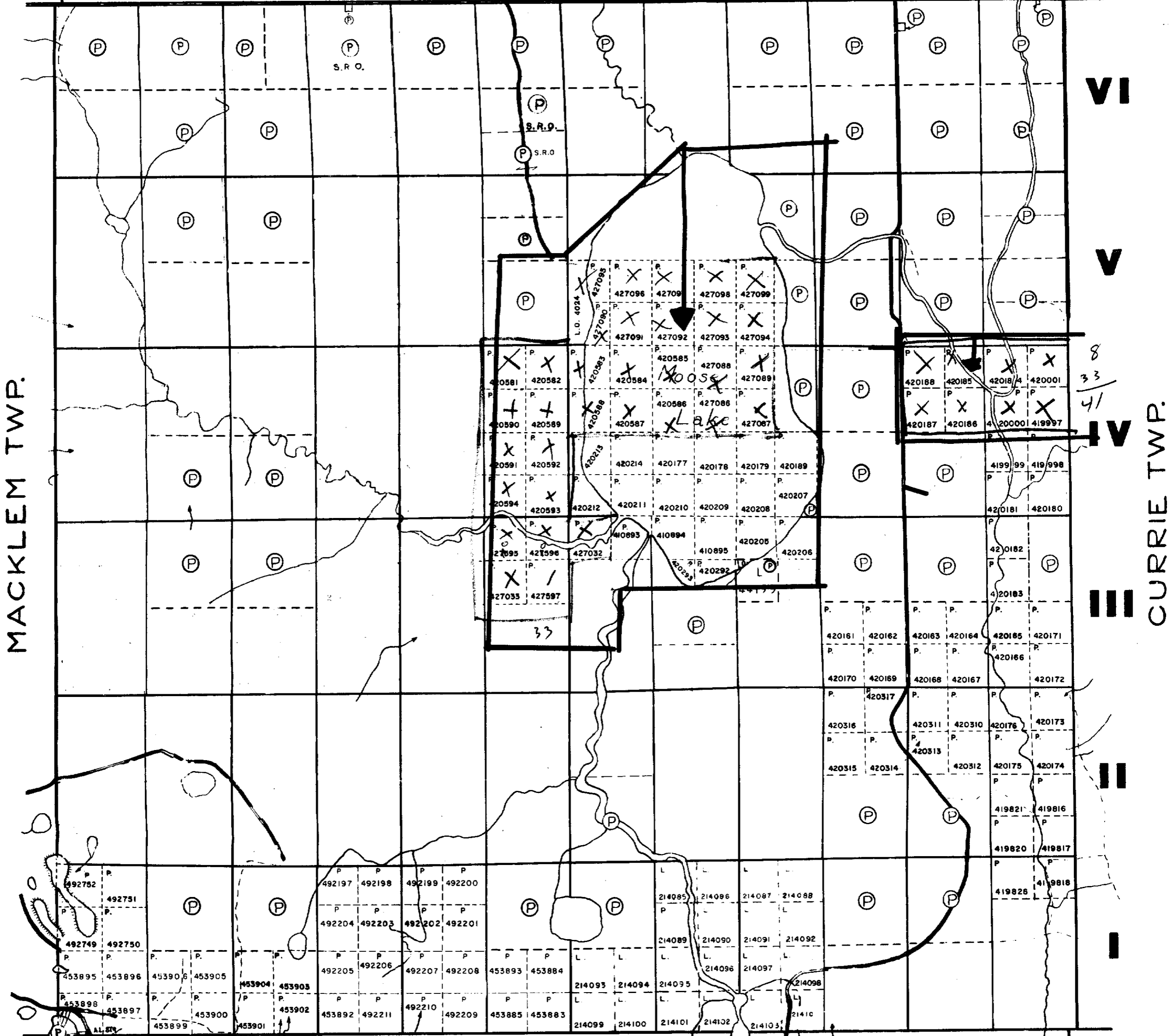
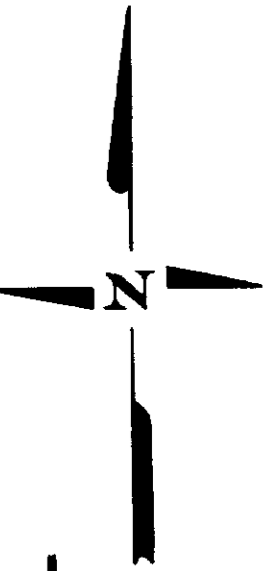
SURVEYS AND MAPPING BRANCH

DATE OF ISSUE  
**MAR - 8 1977**  
 SURVEYS AND MAPPING  
 BRANCH

## DISTRICT OF COCHRANE

## M.331

### SCALE 40 CHAINS TO ONE INCH STOCK TWP.



MACKLEM TWP.

CURRIE TWP.

9 8 7 6 5 4 3 2 1

### SHERATON TWP.

NOTE



#### 200 LEGEND

- IMPROVED ROADS ..... ———
- TRAILS ..... - - - - -
- KETTLE LAKE .....
- 400' Surface rights reservation around all lakes & rivers.
- PATENTED LANDS ..... (P)
- CROWN LAND SALES ..... (S) or C.S.
- LOCATED LANDS ..... (L) or L.O.
- LICENSE OF OCCUPATION .. L.O.
- LEASES ..... (L)

Taylor Twp.

THE TOWNSHIP  
OF 2.2327

# CURRIE

DISTRICT OF  
COCHRANE

LARDER LAKE  
MINING DIVISION

SCALE: 1-INCH=40 CHAINS

## LEGEND

PATENTED LAND	Ⓟ
CROWN LAND SALE	Ⓢ or CS
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	—

## NOTES

AREA MARKED THUS  
Files: 11593  
21312  
WITHDRAWN FROM STAKING  
UNDER SEC. 39(D) OF MINING ACT.

400' Surface rights reservation around all lakes and rivers.

AREA MARKED THUS  
GRAVEL RESERVE FILES: 52530, 47365, 50665  
7659, 42636, 10663

DATE OF ISSUE

MAR - 8 1977

SURVEYS AND MAPPING  
BRANCH

PLAN NO.- M.341

ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH

VI

V

IV

III

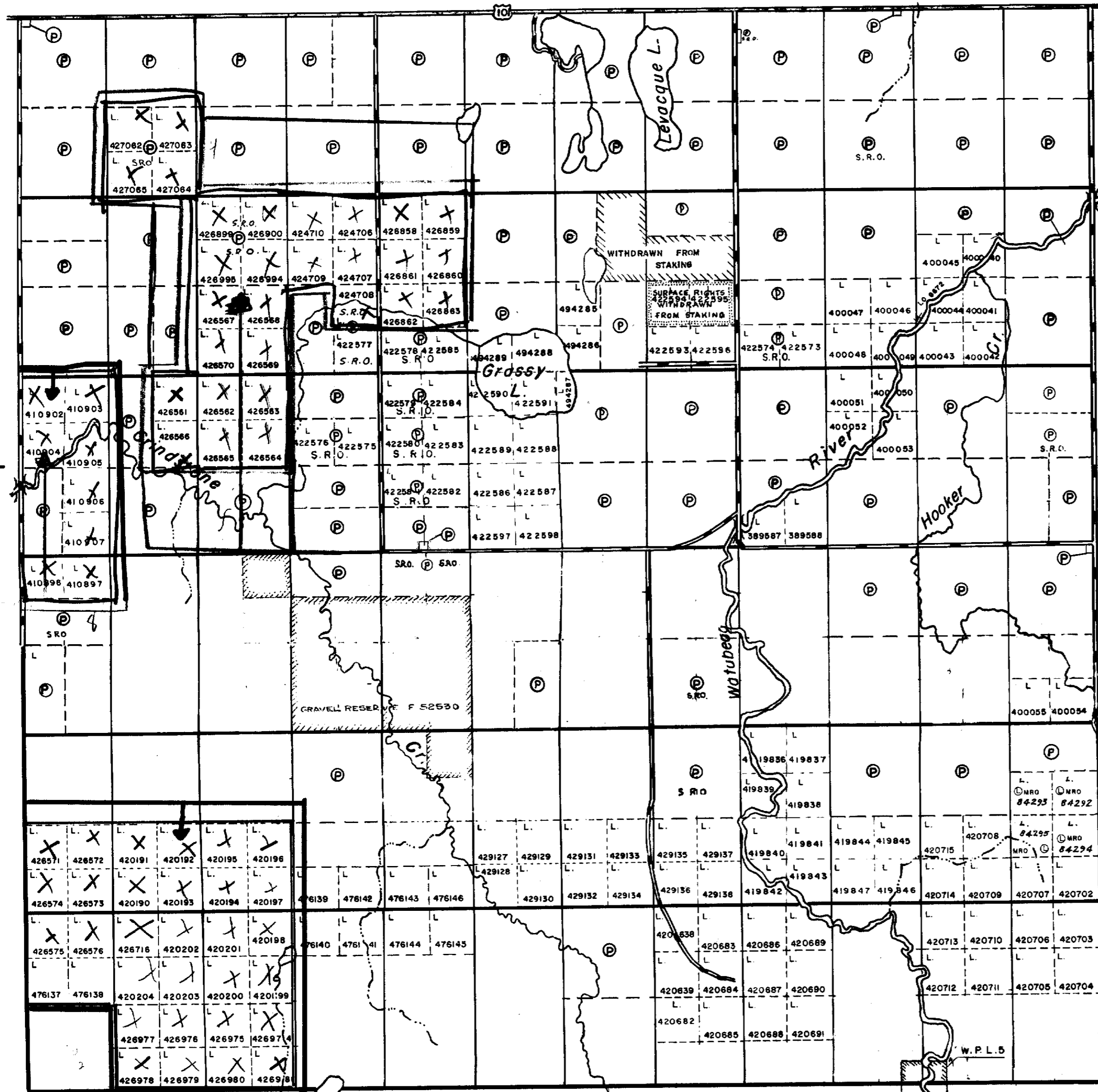
II

I

Bowman Twp.

Bond Twp.

Egan Twp.



THE TOWNSHIP  
OF 2.2327  
**BOWMAN**

DISTRICT OF  
COCHRANE  
LARDER LAKE  
MINING DIVISION

SCALE: 1-INCH=40 CHAINS

**LEGEND**

- PATENTED LAND (P)
- CROWN LAND SALE (S) or 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
- KINGS HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- GEODETIC STATION (Δ)

**NOTES**

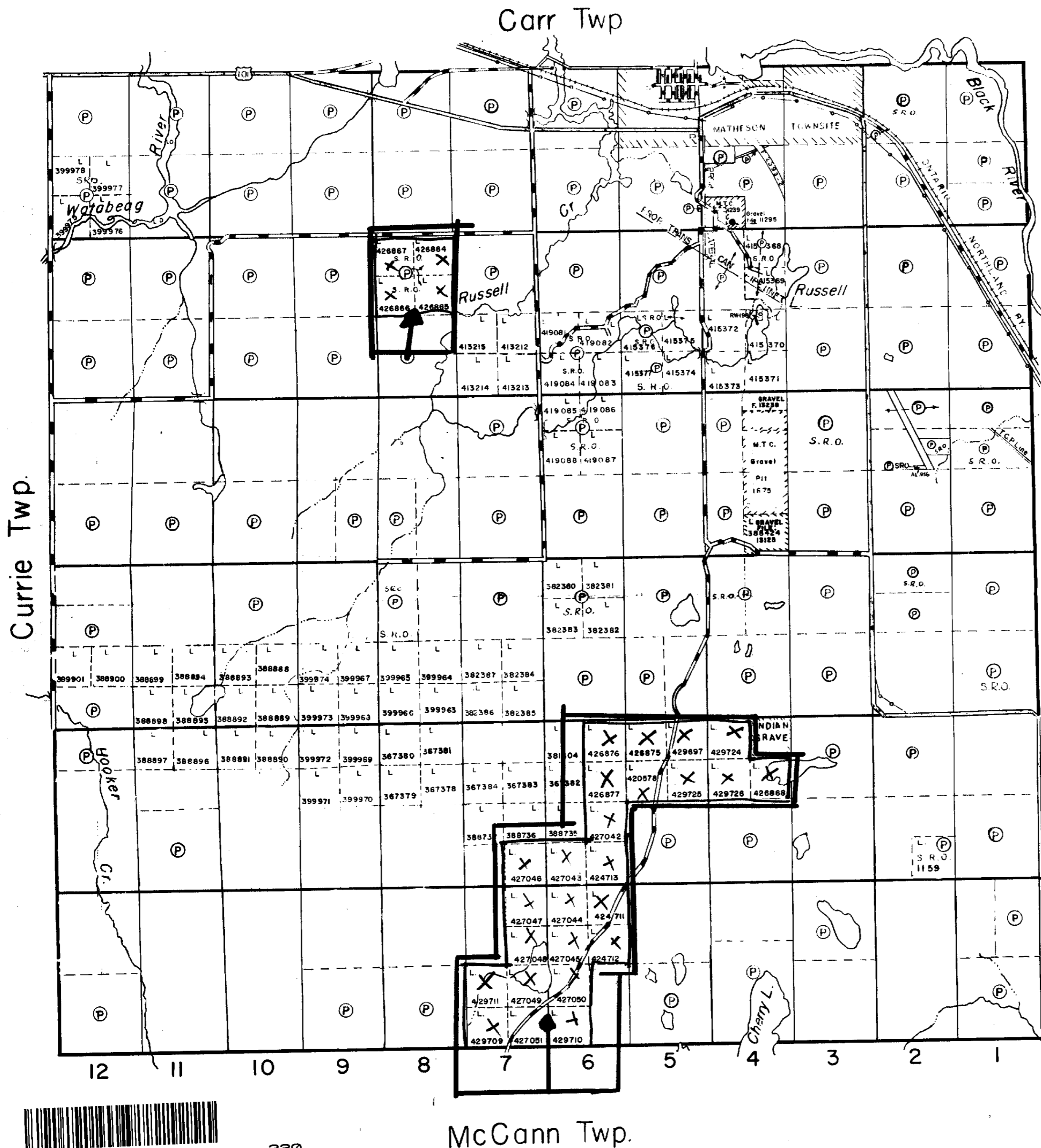
400' SURFACE RIGHTS RESERVATION AROUND  
ALL LAKES AND RIVERS.

L Q 8672 issued for flooding rights on  
Watabogag River

DATE OF ISSUE  
**MAR - 8 1977**  
SURVEYS AND MAPPING  
BRANCH

PLAN NO.- M-333

ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH



VI  
V  
IV  
III  
II  
I

Currie Twp.

Hislop Twp.

McCann Twp.





Beatty Twp.

Northern Ontario  
Natural Gas  
Pipe Line

THE TOWNSHIP  
OF 2.2327

**HISLOP**

DISTRICT OF  
COCHRANE


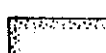
LARDER LAKE  
MINING DIVISION

SCALE: 1-INCH= 40 CHAINS

**LEGEND**

- |                       |        |
|-----------------------|--------|
| PATENTED LAND         | Ⓟ      |
| CROWN LAND SALE       | Ⓢ or Ⓞ |
| 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                 | —      |
| GEODECTIC STATION     | △      |

**NOTES**

- Holtyre Townsite Shown Thus: 
- Gravel Reserve Shown Thus: 
- 400' Surface rights reservation around all lakes and rivers.

DATE OF ISSUE  
**MAR - 8 1977**  
SURVEYS AND MAPPING  
BRANCH

PLAN NO.- M-355

ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH

Bowman Twp.

VI

V

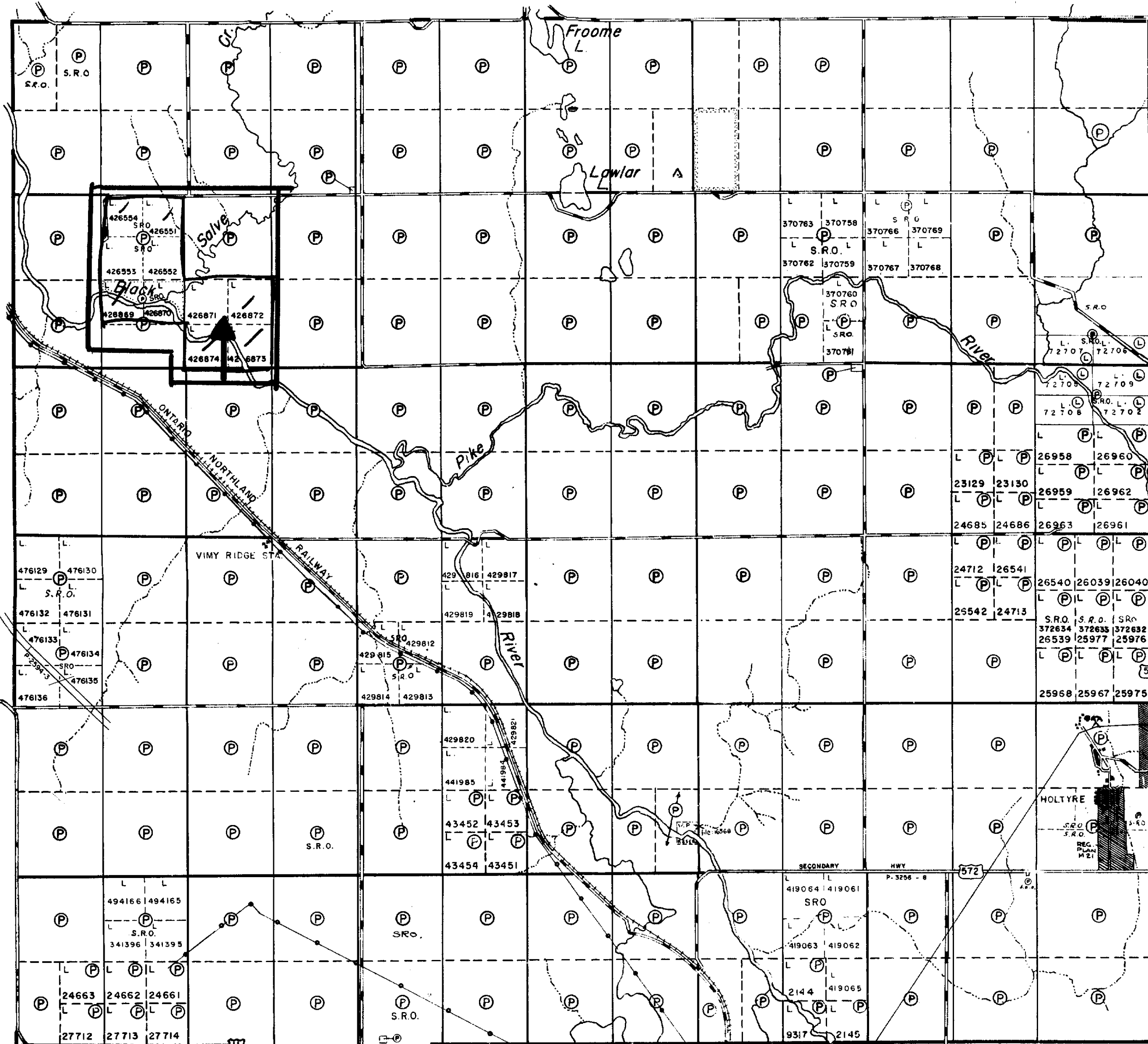
IV

III

II

I

Guibord Twp.



13 12 11 10 9 8 7 6 5 4 3 2 1

Northern Ont.  
Natural Gas  
Pipe Line file: 163503

Playfair Twp.



42A95W0306 2.2327 HISLOP

230

# SHERATON TOWNSHIP

ONTARIO

2.2327

MINISTRY OF NATURAL RESOURCES

PORCUPINE

MINING DIVISION

SURVEYS AND MAPPING BRANCH

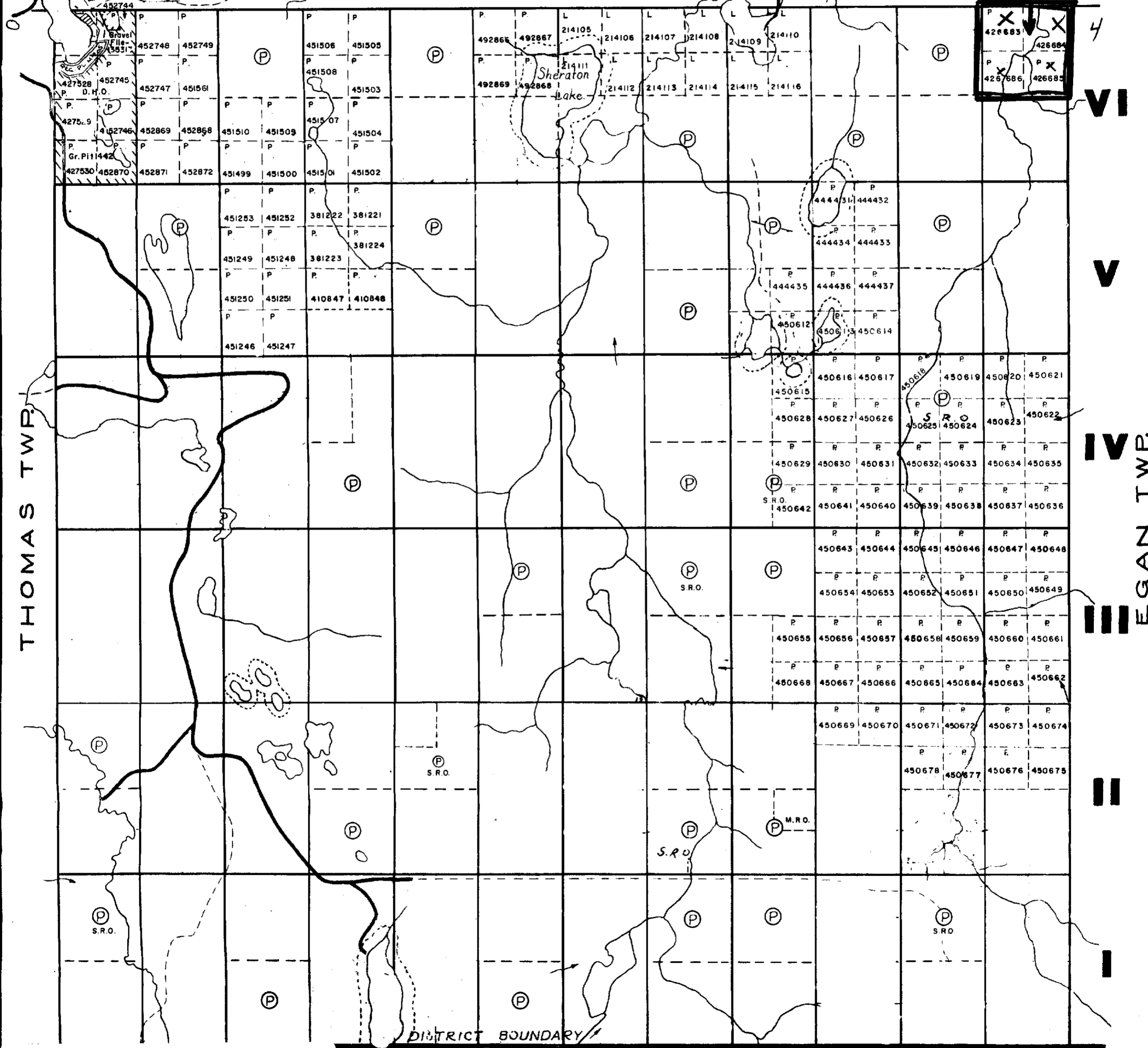
DISTRICT OF COCHRANE

M.386

DATE OF ISSUE  
**MAR - 8 1977**  
 SURVEYS AND MAPPING  
 BRANCH

SCALE 40 CHAINS TO ONE INCH

BOND TWP.



240

9 8 7 6 5 4 3 2 1

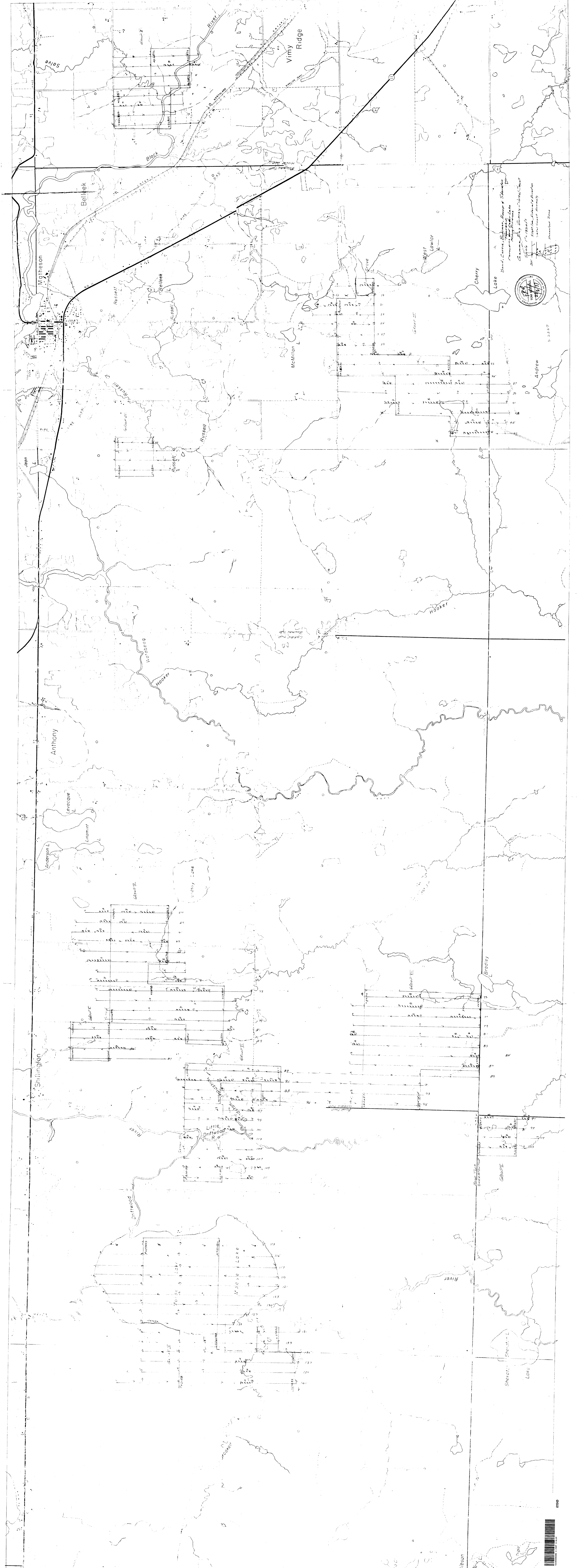
TIMMINS TWP.

40' Surface rights reservation around all lakes and rivers.

### LEGEND

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

PATENTED LANDS ..... (P)  
CROWN LAND SALES ..... (S)



Scale 1" = 1000'  
Datum: North American Datum  
Projection: UTM  
Zone: 18N  
Datum: North American Datum  
Projection: UTM  
Zone: 18N  
Datum: North American Datum  
Projection: UTM  
Zone: 18N

