

2.2036



42A07NW0002 2.2038 BOND

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PROJECTS UNIT

REPORT ON

THE GEOLOGY OF 9 CLAIMS

LOTS 7, 8, CONCESSION II

BOND TOWNSHIP, ONTARIO

D. & G. LTD. A14672

J. Allan McNutt, M.Sc.

Toronto, Ontario  
December, 1975

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## INTRODUCTION

Work is submitted for assessment credit by I. S. Thompson, P. Eng., of Derry, Michener & Booth, Suite 2302 - 401 Bay Street, Toronto, Ontario on a group of 9 contiguous claims in Bond Township, Ontario. The claims, numbered P422115 to P422118 inclusive, and P422130 to P422134 inclusive, are held by Duncan R. Derry Limited, Licence A-38143, of Suite 2302 - 401 Bay Street, Toronto, Ontario. A geological survey was carried out over the entire claim group on grid lines cut 400 ft. apart in October, 1974 by J. A. McNutt, M.Sc., of Derry, Michener & Booth, under the supervision of I. S. Thompson.

## LOCATION AND ACCESS

The claims are located in Lots 8 and 9, Concession II, Bond Township, Porcupine Mining Division, Ontario, about six miles SW of the town of Shillington. They are accessible by canoe from the Driftwood River or by gravel and bush road off of Highway 101.

## HISTORY OF PREVIOUS EXPLORATION

There is no record in the assessment files of any previous mineral exploration.

## REGIONAL GEOLOGY (Ref: Laird, 1931; Map 2205, 1972)

Bond Township is underlain by an E-W trending, steeply dipping sequence of mafic to felsic volcanic rocks, with minor interbedded sedimentary rocks, of Archean age which have been intruded by diabase dykes of Matachewan and Keweenawan age. Outcrops occur scattered throughout the east half of the township.

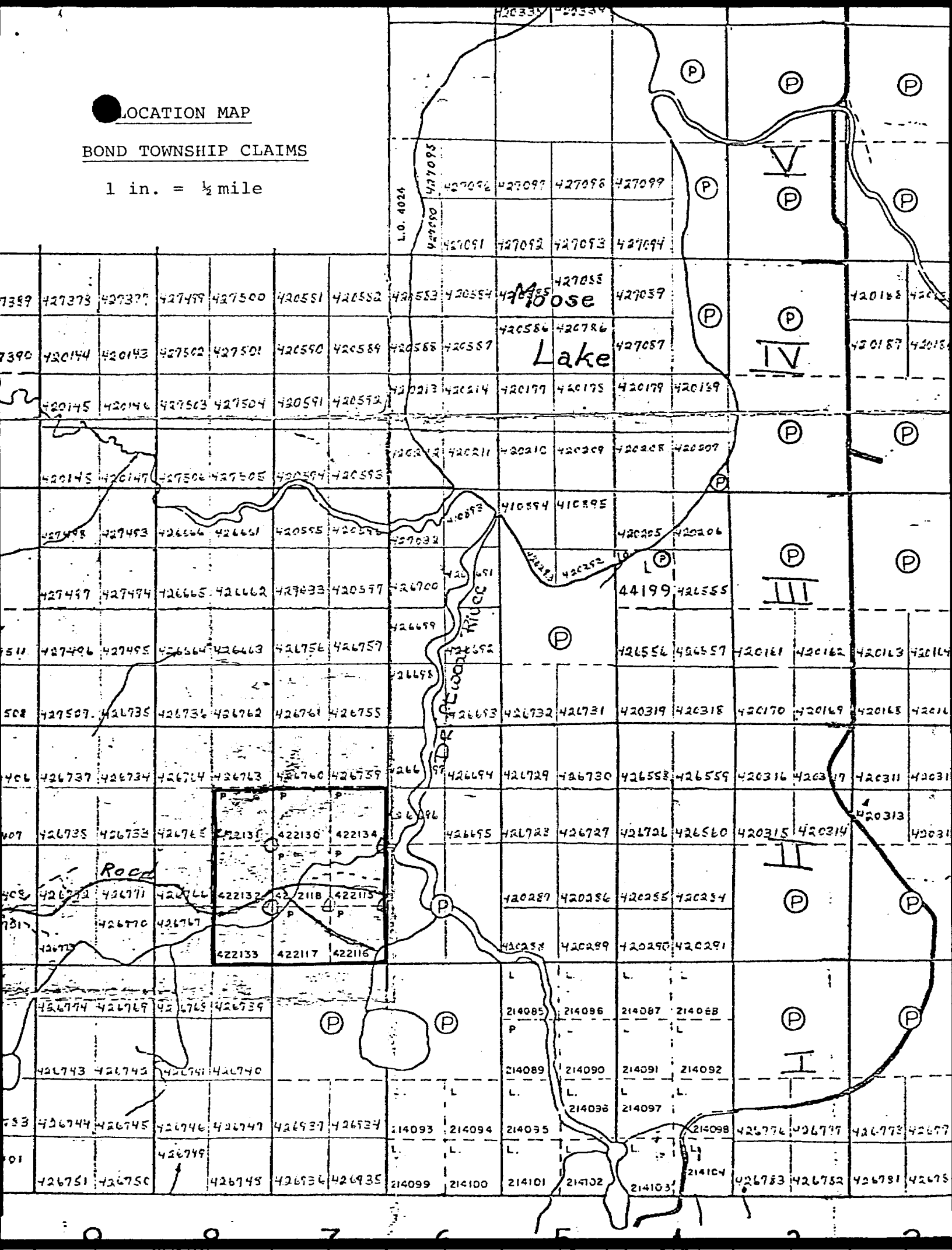
The centre of the claim group is assumed to be underlain by a one mile wide sequence of intermediate to felsic volcanic rocks. These rocks continue eastwards through the centres of Currie and Bowman Townships but to the west they are assumed to thin out before reaching the Bond-Macklem Township boundary line.

Most of the township is covered by thick glacial and glacially derived deposits.

LOCATION MAP

BOND TOWNSHIP CLAIMS

1 in. = 1/2 mile



GENERAL GEOLOGY (Map 1)

No outcrop was observed. The claim group appears to be entirely covered by thick glacial and glacially derived deposits, the upper part of which is clay. In the SE corner of the claim group is a sand ridge which trends approximately east-west.

REFERENCES

- Laird, H. C., 1931: German-Currie Area, District of Cochrane, Map 40b. Ontario Department of Mines, Annual Report Volume XL, Part III, p. 1-22.
- Laird, H. C., 1972: Timmins-Kirkland Lake. Geological Compilation Series Map 2205.

  
J. Allan McNutt, M.Sc.

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900

File 2.2038

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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(s) Geological  
Township or Area Bond Township  
Claim Holder(s) Duncan R. Derry Limited  
2302 - 401 Bay Street, Toronto  
Survey Company Derry, Michener & Booth  
Author of Report A. McNutt  
Address of Author 2302 - 401 Bay Street, Toronto  
Covering Dates of Survey Oct. 7- Dec. 10, 1975  
(linecutting to office)  
Total Miles of Line Cut 7.75

MINING CLAIMS TRAVERSED  
List numerically

(prefix)	(number)
P	422115
P	422116
P	422117
P	422118
P	422130
P	422131
P	422132
P	422133
P	422134

If space insufficient, attach list

<u>SPECIAL PROVISIONS</u> <u>CREDITS REQUESTED</u>	<u>DAYS</u> <u>per claim</u>
Geophysical	
-Electromagnetic	
-Magnetometer	
-Radiometric	
-Other	
Geological	<u>40</u>
Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)  
Magnetometer \_\_\_\_\_ Electromagnetic \_\_\_\_\_ Radiometric \_\_\_\_\_  
(enter days per claim)  
DATE: Dec. 10/76 SIGNATURE: [Signature]  
Author of Report or Agent

L. D

Res. Geol. \_\_\_\_\_ Qualifications 2.2037

Previous Surveys

File No.	Type	Date	Claim Holder
<u>no previous surveys</u>			

TOTAL CLAIMS 9

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations \_\_\_\_\_ Number of Readings \_\_\_\_\_

Station interval \_\_\_\_\_ Line spacing \_\_\_\_\_

Profile scale \_\_\_\_\_

Contour interval \_\_\_\_\_

MAGNETIC

Instrument \_\_\_\_\_

Accuracy - Scale constant \_\_\_\_\_

Diurnal correction method \_\_\_\_\_

Base Station check-in interval (hours) \_\_\_\_\_

Base Station location and value \_\_\_\_\_

ELECTROMAGNETIC

Instrument \_\_\_\_\_

Coil configuration \_\_\_\_\_

Coil separation \_\_\_\_\_

Accuracy \_\_\_\_\_

Method:  Fixed transmitter  Shoot back  In line  Parallel line

Frequency \_\_\_\_\_  
(specify V.L.F. station)

Parameters measured \_\_\_\_\_

GRAVITY

Instrument \_\_\_\_\_

Scale constant \_\_\_\_\_

Corrections made \_\_\_\_\_

Base station value and location \_\_\_\_\_

Elevation accuracy \_\_\_\_\_

INDUCED POLARIZATION  
RESISTIVITY

Instrument \_\_\_\_\_

Method  Time Domain  Frequency Domain

Parameters - On time \_\_\_\_\_ Frequency \_\_\_\_\_

- Off time \_\_\_\_\_ Range \_\_\_\_\_

- Delay time \_\_\_\_\_

- Integration time \_\_\_\_\_

Power \_\_\_\_\_

Electrode array \_\_\_\_\_

Electrode spacing \_\_\_\_\_

Type of electrode \_\_\_\_\_

DATE OF ISSUE

FEB 11 1966

SURVEYS AND MAPPING  
BRANCH

MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH

# BOND TOWNSHIP

PORCUPINE

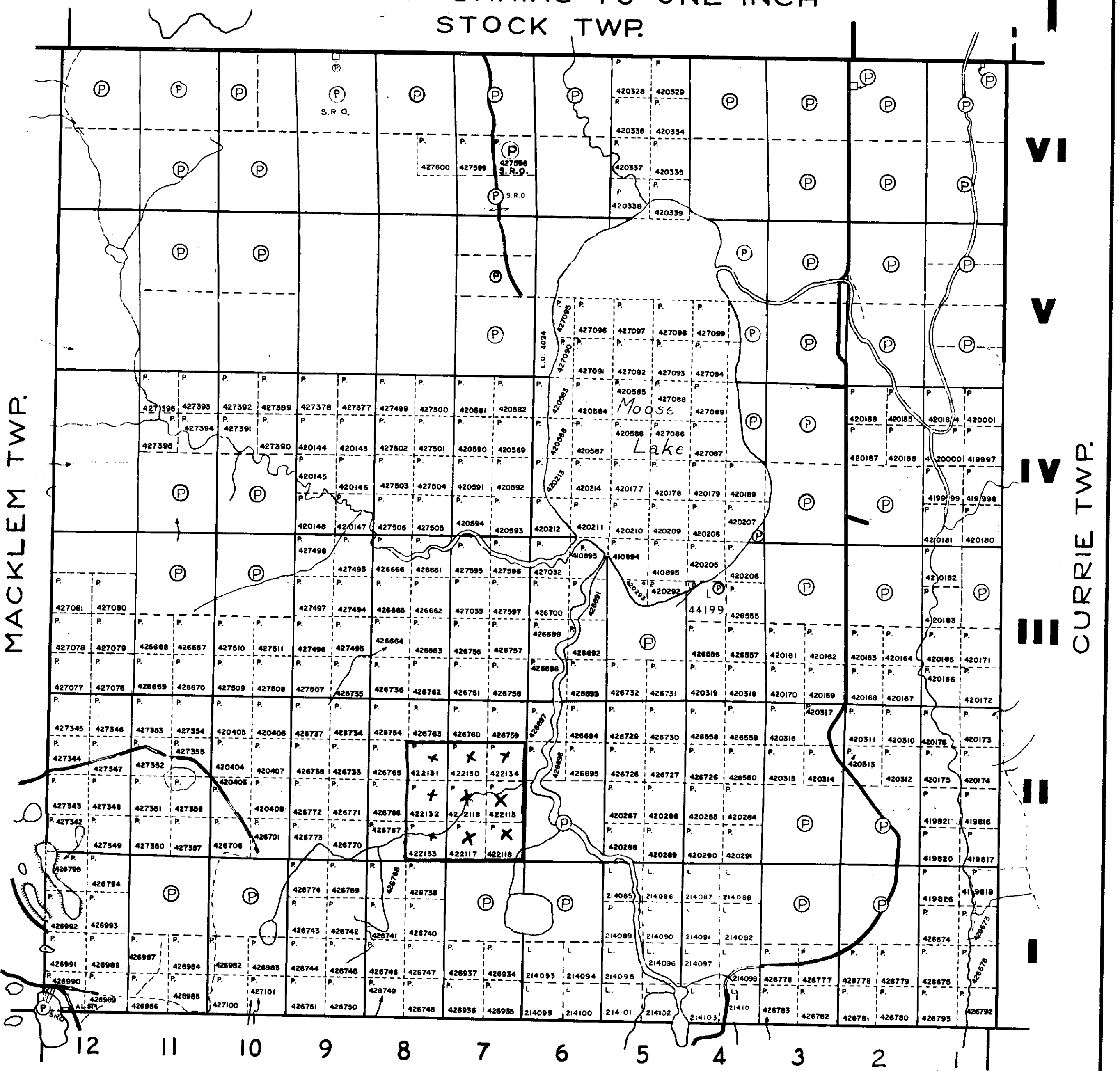
MINING DIVISION

2.2038

DISTRICT OF COCHRANE

M.331

SCALE 40 CHAINS TO ONE INCH  
STOCK TWP.



MACKLEM TWP.

VI

V

IV

III

II

CURRIE TWP.

SHERATON TWP.

NOTE

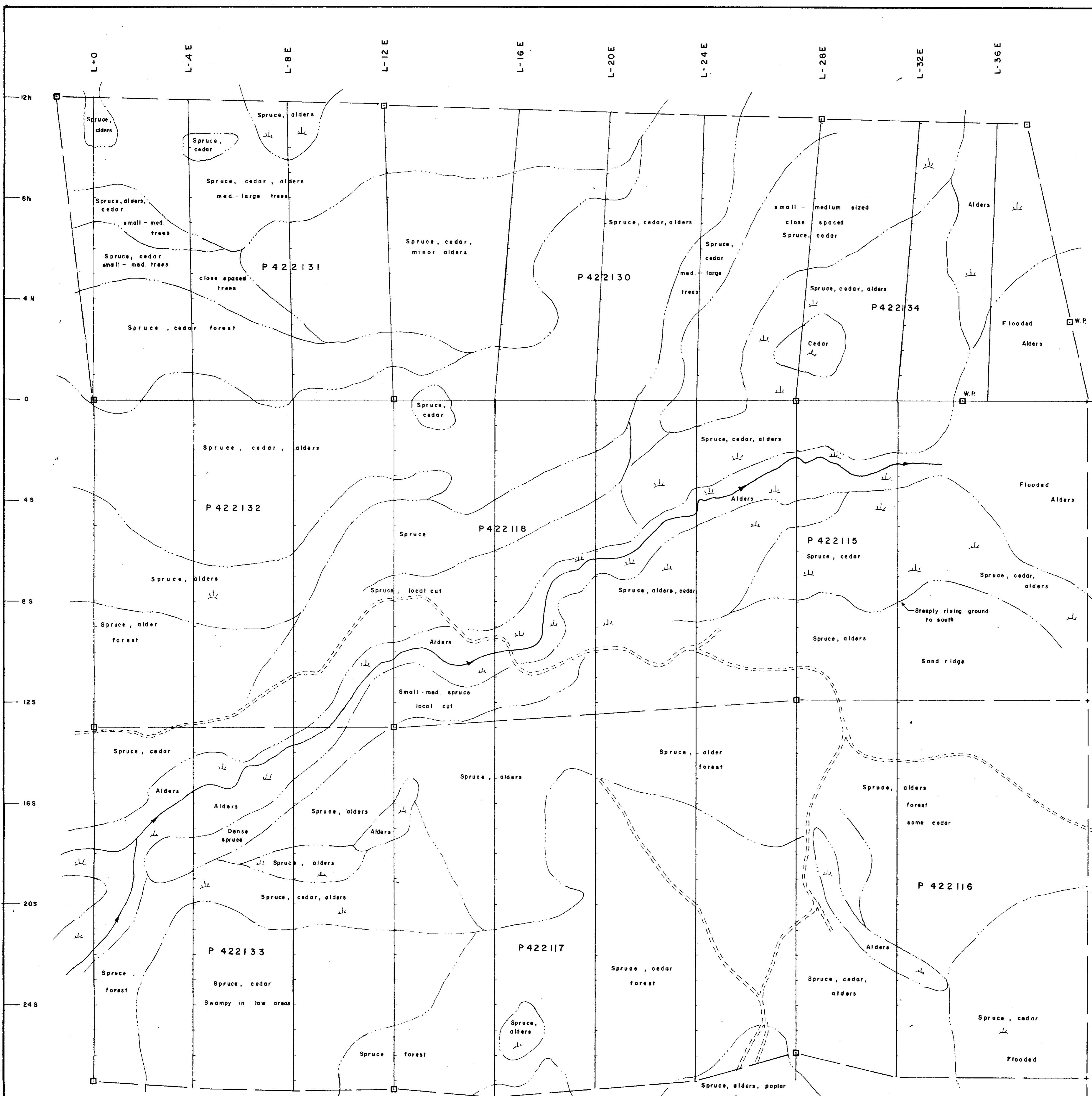


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200

400' Surface rights reservation around all lakes & rivers.

PATENTED LANDS ..... (P)  
 CROWN LAND SALES ..... (S) or C.S.  
 LOCATED LANDS ..... (L) or C.S.  
 LICENSE OF OCCUPATION ..... (L.O.)  
 LEASES ..... (L)



BASE LINE

A.N.

LOT 8

LOT 7

CON. II  
CON. I  
LOT 6

**SYMBOLS**

- Boundary of vegetation cover
- Swampy ground
- Flooded area, stream flowing, intermittent flow.
- Arrow indicates direction of flow.
- , + Claim post located, assumed location; claim line approx.
- Bush road



DERRY, MICHENER & BOOTH		
BOND TOWNSHIP - ONTARIO		
<b>GEOLOGICAL PLAN</b>		
LOTS 7, 8 CON. II.		
Oct., -1975	By: A. McNutt	Map No. 1