

A GROUP OF 10 CLAIMS LOCATE



S2F05SE0150 63.2476 ROWAN LAKE

010

Introduction:

Arrangements were made with Mr. A. Van der Brink to prepare a control grid and conduct geophysical surveys over a group of ten mining claims in the Rowan Lake, Wampum Lake area of north western Ontario.

Location:

The claims surveyed are numbered K 42406 to K 42415 inclusive. These claims cover the south half of Wampum Lake and the site of the shaft of the former Wampum Lake Gold Mines. Wampum Lake is about one-quarter mile south of the south shore of Rowan Lake and about one mile north of Newman Lake. This area is about 54 miles by air south east of Kenora, Ontario.

Purpose of Survey:

To investigate the possibility that detailed magnetic and electromagnetic surveys might reveal structure or electrical conductors related to the known gold occurrences of the former Wampum Lake Gold Mines.

Method of Survey:

Magnetic and electromagnetic measurements were taken at 100' stations on picket lines 400' apart. A Barringer G.M. 102A Nuclear Precession Magnetometer was employed for the magnetic measurements. The electromagnetic measurements were made by means of the Aimag - longwire system, manufactured by Central Geophysics Limited. This method employs an Aimag receiver measuring responses in degrees of dip angle. The primary field is created by a grounded longwire energized by an alternating current signal generator matched to the frequency of the Aimag receiver. The receiver responses to the primary field are distorted in the presence of electrical conductors with the resulting anomalous readings identifying the location of such bodies.

Presentation of Results:

The field results are shown on the accompanying map. The magnetic values are plotted on the right hand side of the traverse lines and are contoured at 100 gamma intervals. The electromagnetic measurements, in degrees of dip angle, plotted on the left hand side of the traverse lines are profiled at a scale of 40° per inch. Over homogenous terrain the dip angle measurements decrease uniformly as the receiver proceeds away from the wire which was laid along the west boundary of the property parallel to the base line. When the dip angle fall-off increment between stations is greater than normal a conductor response is indicated. Conductor axes are shown on the map by heavy dashed lines.

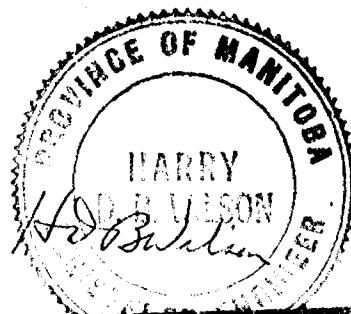
Discussion of Results:

The magnetic survey does not appear to have provided any information on structure related to the original gold discoveries in the vicinity of the shaft site located at 5E - 9S. The electrical conductors located do not have magnetic coincidence. The conductors identified on the map as #1, #2 and #3 are strong conductors probably caused by narrow shears because dip readings recover rapidly. The profile of conductor #4 appears to be caused by a broader or deeper conductor while #5 seems to be related to the Wampum Lake Gold Mines showing in that its northern end on line 8S at 450° E is adjacent to the shaft site.

Recommendations:

A surface examination of the conductor locations should be made in an attempt to determine the cause of the conductors and to determine whether further prospecting by trenching or shallow drilling is warranted.

Central Geophysics Limited



AREA OF
CLAIM MAP
ROWAN LAKE

DISTRICT OF
KENORA

KENORA
MINING DIVISION

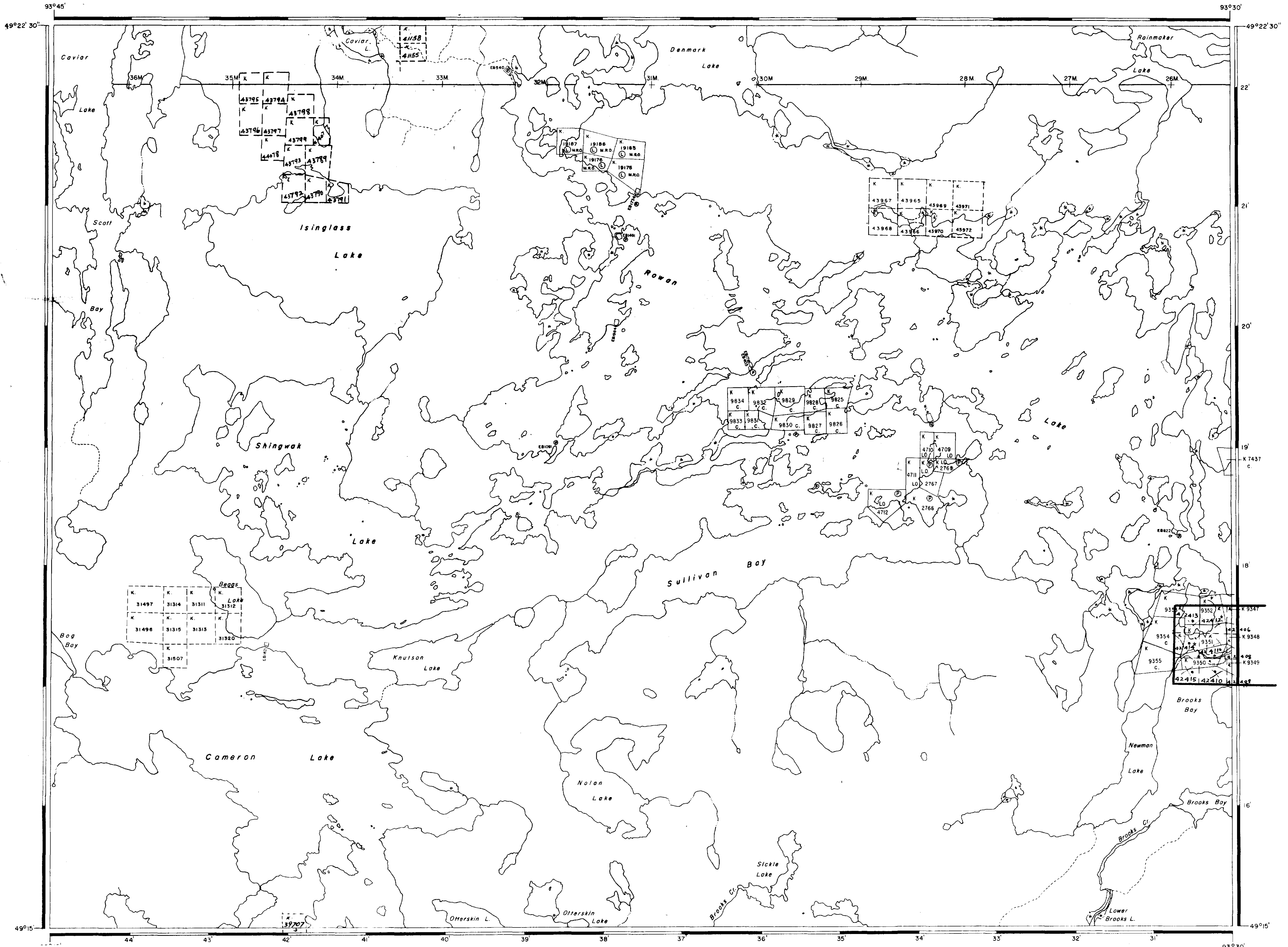
SCALE: 1-INCH = 40 CHAINS

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

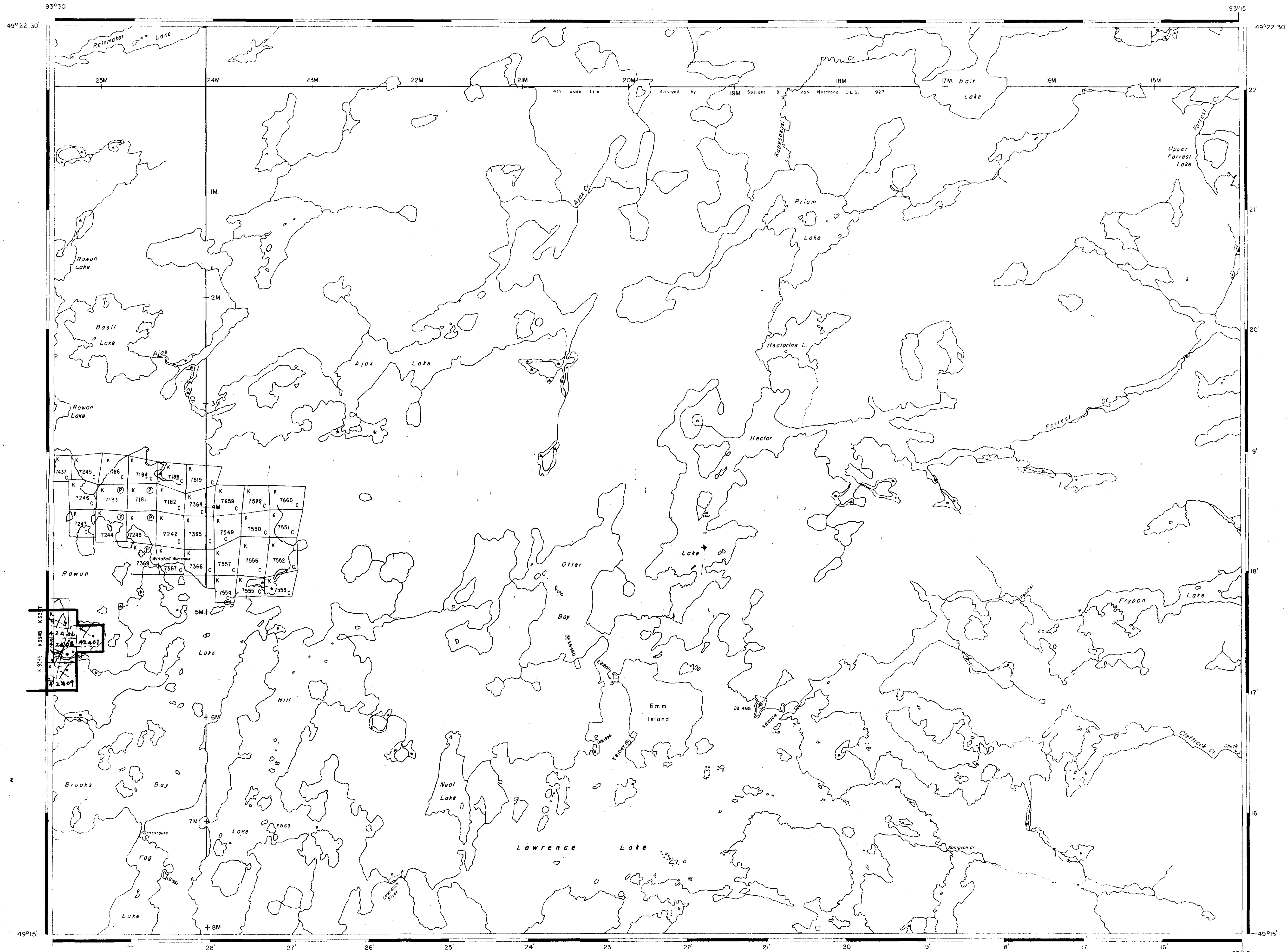
400' Surface Rights Reservation around
all lakes and rivers.



PLAN NO. **M.2580**

DEPARTMENT OF MINES
— ONTARIO —





AREA OF
CLAIM MAP
LAWRENCE LAKE

DISTRICT OF
 KENORA

KENORA
 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

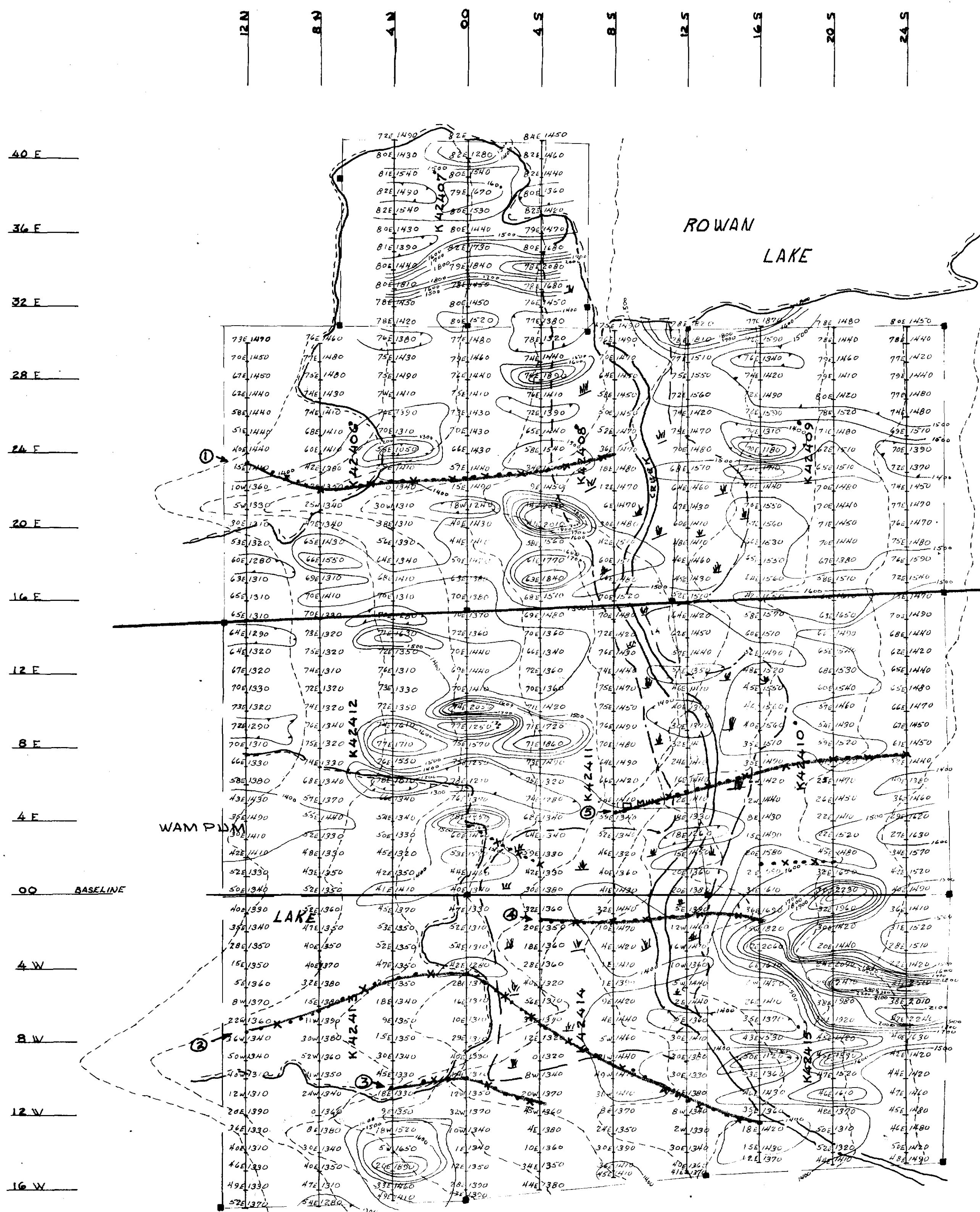
400' Reserve around all lakes & rivers to
 Dept. of Lands & Forests.

PLAN NO. **M.2579**

DEPARTMENT OF MINES
 — ONTARIO —



52F85E0150 63-2476 ROWAN LAKE



Rowan Lake Area
Narrow Lake Area

ROWAN LAKE AREA WAMPDM LAKE CLAIMS	
ELECTROMAGNETIC SURVEY MAGNETIC SURVEY	
PARTY CHIEF: R. RUNZER DATE OF SURVEY: MARCH- APRIL 1968	
LEGEND	
E/M PROFILE: 1" = 40'	
E/M BACKGROUND: 0-40'	
MAGNETIC CONTOUR INTERVALS: 100 γ	
MAGNETIC BACKGROUND: 1300 γ	
CLAIMS: K-42406 - K-42415	
SCALE: 1" = 400'	
CONDUCTOR AXIS: ..x..x..x..x..x	
CENTRAL GEOPHYSICS LTD	

