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SCOPE

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REPORT
ON
GEOPHYSICAL SURVEY
FOR
MIN-ORE MINES LIMITED
LANGMUIR TOWNSHIP PROPERTY
PORCUPINE MINING DIVISION
PROVINCE OF ONTARIO

SUMMARY

Following the discovery of important nickel values in Langmuir Township by McWatters Mines Limited, Min-Ore acquired a twelve claim group immediately to the south. Electromagnetic and magnetic surveys followed. Two conductive zones were outlined in association with magnetic anomalies. These magnetic anomalies are interpreted as basic intrusives.

It is recommended that the two Zones, 'A' and 'B' be tested with a diamond drill.

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INTRODUCTION

Magnetic and electromagnetic surveys were carried out on the Langmuir Township property of Min-Ore Mines Limited. Recently discovered nickel values were reported on the McWatters Gold Mines Limited property adjoining to the north. A magnetic survey was employed to outline the various rock units on the property while the electromagnetic survey carried out to locate any conductive sulphides or shear zones.

II PROPERTY, LOCATION AND ACCESS

The property comprises 12 contiguous unpatented claims in southwest portion of Langmuir Township, about 15 miles southeast of Timmins.

The claims are as follows:

P 78946 - 47 inclusive	2 claims
P 78949 - 54 inclusive	6 claims
P 78957 - 58 inclusive	2 claims
P 79225 - 26 inclusive	2 claims

Total number of claims	12 claims
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Access is by aircraft from South Porcupine to Fork River which crosses the property, by winter road or by boat (or snowmobile) across Nighthawk Lake.

III GENERAL GEOLOGY

The rocks of the area are Pre-Cambrian in age. The property is underlain by volcanics (acid to basic in composition). One half mile to the south and 1 mile to the northwest basic intrusives are found. In addition an acid intrusive is shown 3 miles to the northwest. Later diabase dykes cut across the general area. The volcanics appear to have a regional strike of northeast - southwest.

Nickel mineralization, discovered to the north on the property of McWatters Gold Mines Limited. The rocks on the Min-Ore property appear to be quite similar.

IV GEOPHYSICAL SURVEY

An east - west baseline was cut across the property and north - south traverse lines cut at 400 foot intervals. The results of these magnetic and electromagnetic surveys are shown on two separate maps (scale 1" = 200'). A discussion of these results follows.

MAGNETIC SURVEY

The magnetic survey revealed that there was one large magnetic anomaly on the property together with three smaller and likely associated bodies. The main magnetic feature lies in the south half of the property. It is not a single mass of basic intrusives but is very likely a series of intrusive sills interbedded with the volcanics.

The three smaller anomalies outlined are located as follows; the first at the north end of Line 32 W, the second at 10 + 00 N Line 16 W and the third one at 18 + 00 W North Tie Line. This group is likely genetically related to the main magnetic anomaly (interpreted as a basic intrusive).

ELECTROMAGNETIC SURVEY

A vertical loop dual-frequency dip-angle survey was carried out over the same grid as covered by the magnetic survey. Two conductive zones were traced out. There was also two weak suggestions of conductors in the area south of the baseline between Lines

24 W and 40 W. These results are discussed below.

ZONE 'A'

This is the better of the two conductive zones and lies along a marked magnetic high within the large magnetic feature. The conductor might arise from shearing along a contact zone or from minor sulphides. A drill hole is recommended to determine the cause of this anomaly and explain the magnetics. Line 32 W or 28 W would be suitable locations to test the zone.

ZONE 'B'

This is a longer but more irregular conductive feature. It terminates in a magnetic high on Line 16 W and follows a zone of magnetic lows. Again a diamond drill hole is recommended in order to find an explanation. Line 16 W is a recommended location for this test.

Suggestions of two weak conductors appear between Lines 24 W and 40 W south of the baseline. These should be re-evaluated following test on Zone 'A' and 'B'.

V CONCLUSIONS AND RECOMMENDATIONS

One large and complex magnetic feature was outlined along with three minor magnetic anomalies. It is suggested that these are

likely basic intrusives because of their intensity and dimensions.
Two conductive Zones, 'A' and 'B' were traced out.

It is recommended that Zone 'A' and 'B' be tested with
diamond drilling.

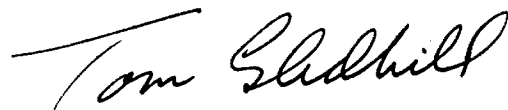
Zone 'A' on Line 28 W or 32 W.

Zone 'B' on Line 16 W.

Further work should await an evaluation of this drilling.

Respectfully submitted,

SCOPE MINING AND EXPLORATION
CONSULTANTS LIMITED



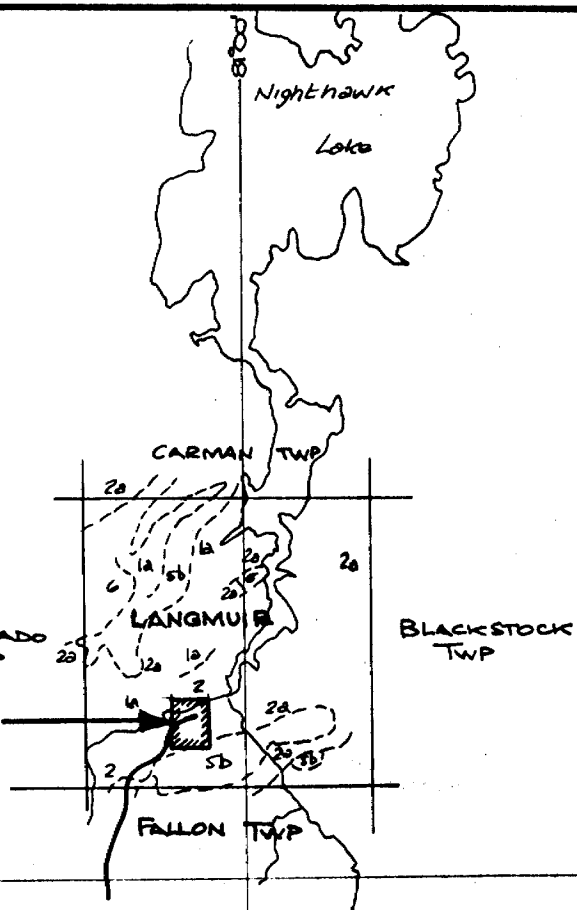
T.R. Gledhill, P.Eng.
Geophysicist.

TORONTO, ONTARIO

January 22nd, 1965.

• Timmins

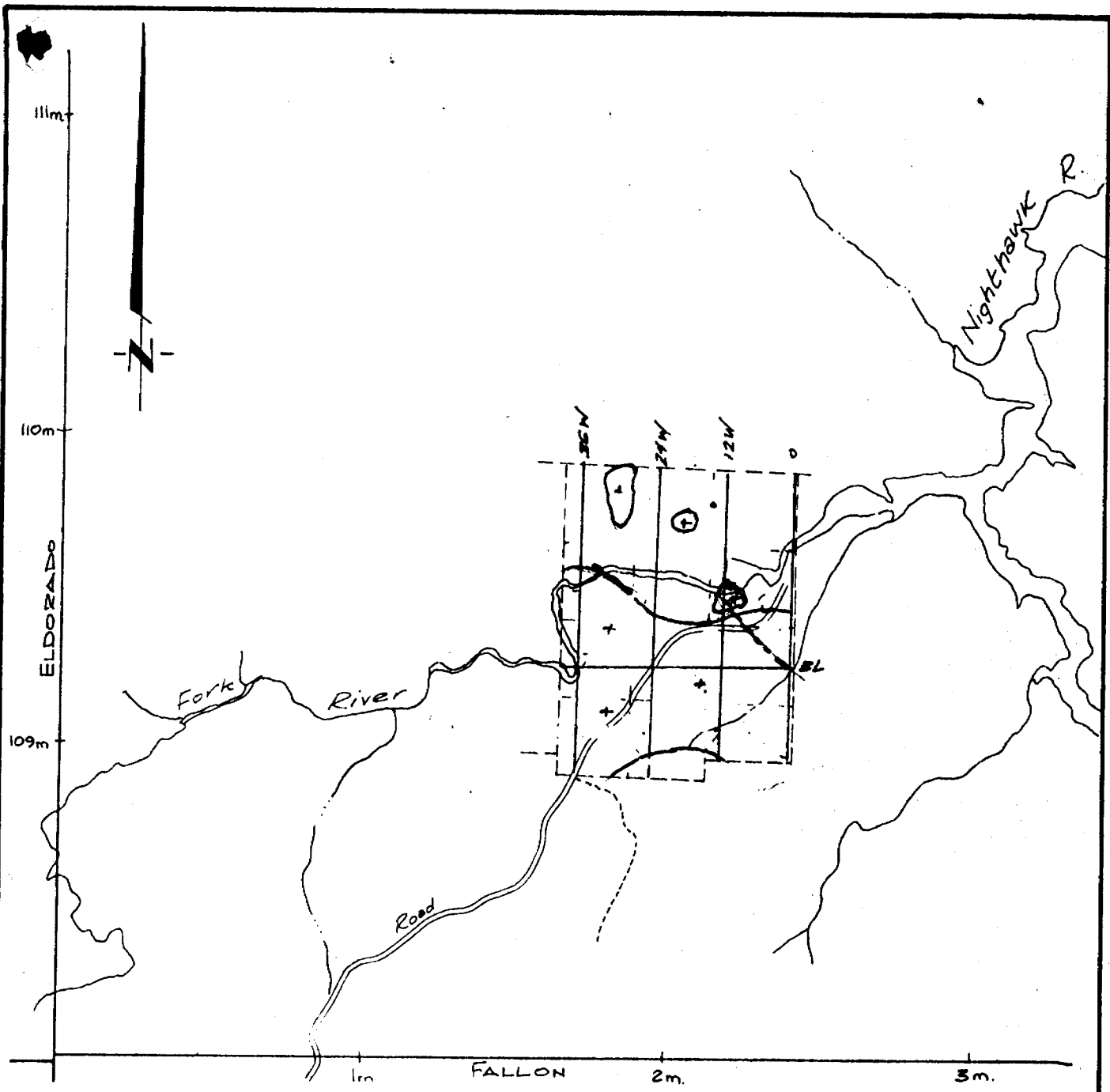
CLAIM GROUP



Legend.

- 7 Conglomerate, arkose, gneiss and slate
- 6 Granite
- 5b Gabbro, diorite
- 2a Andesite, basalt etc
- 2 Basic Volcanics - undiff.
- 1a Rhyolite, trachyte etc

LOCATION MAP
MIN-ORE MINES LTD.
 LANGMUIR TWP **ONT.**
 Scale 1" = 4 miles *TKG*
 Dec 1964



SUMMARY MAP



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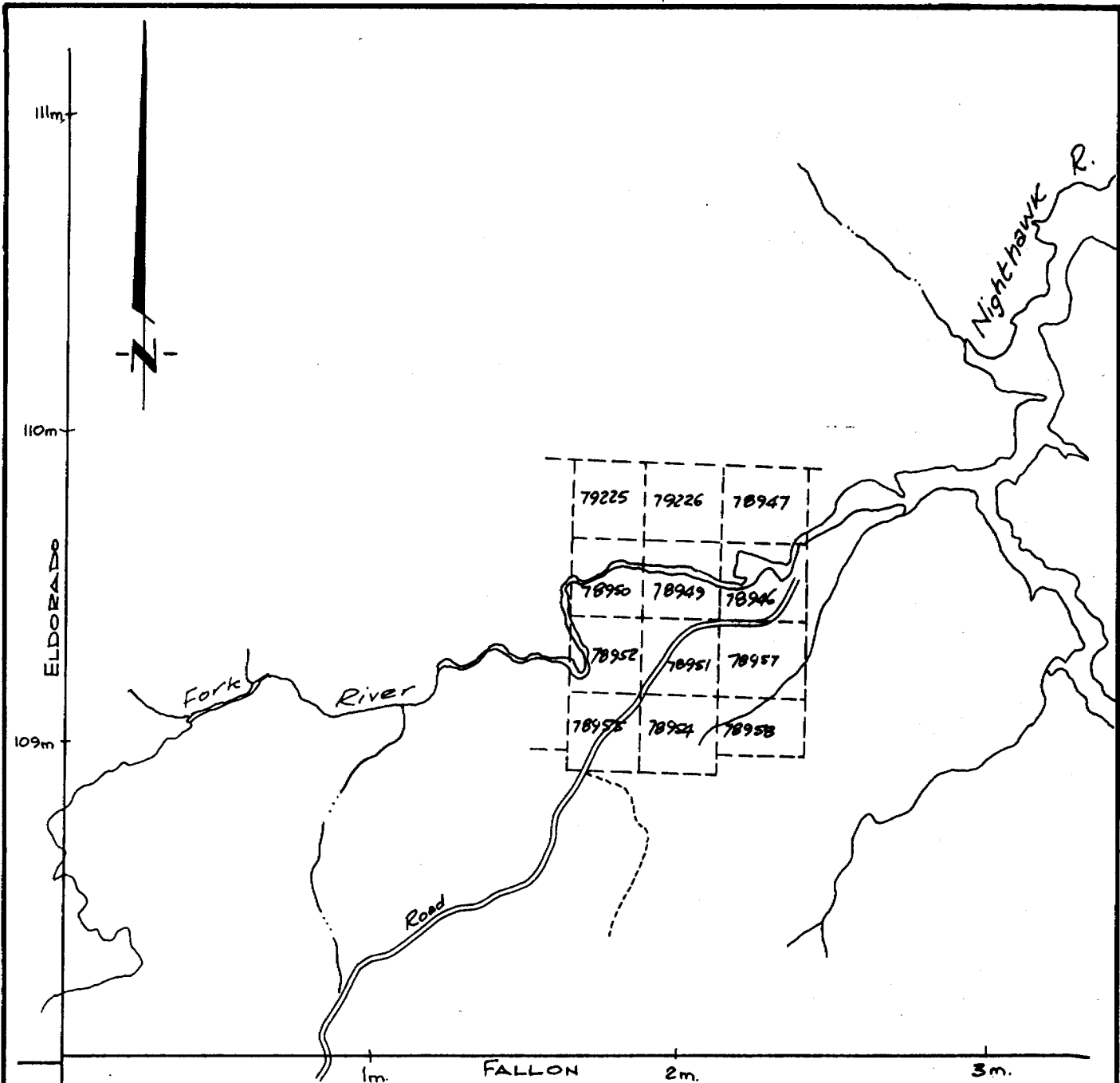
LANGMUIR TWP.

ONT.

Scale 1" = 1/2 mile

Dec 1964

-  EM Zone
-  Magnetic High



CLAIM MAP

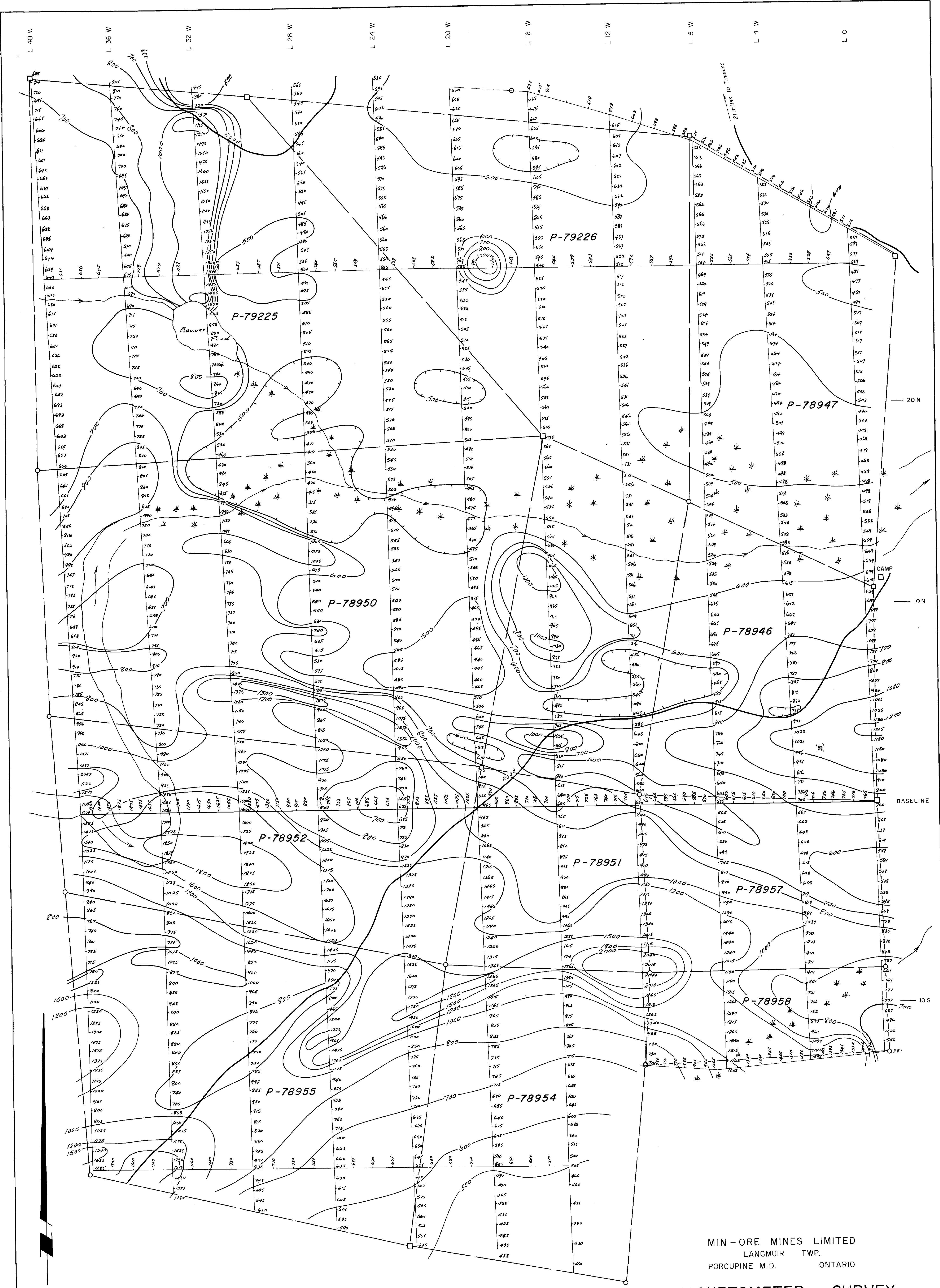
MIN-ORE MINES LTD

LANGMUIR TWP.

ONT.

Scale 1" = 1/2 mile

Dec 1964



MIN-ORE MINES LIMITED
LANGMUIR TWP.
PORCUPINE M.D. ONTARIO

MAGNETOMETER SURVEY

SCALE: 1" to 200'

January 1965

PON-TOON
PROSPECTOR'S SERVICES CO. LTD.



L 40 W L 36 W L 32 W L 28 W L 24 W L 20 W L 16 W L 12 W L 8 W L 4 W L 0



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LANGMUIR TWP.
PORCUPINE M.D. ONTARIO

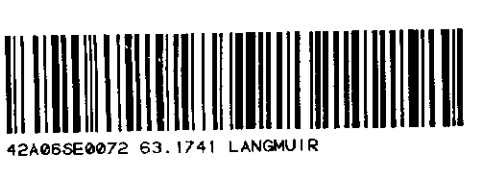
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ELECTROMAGNETIC SURVEY

SCALE: 1" to 200'

January 1969

PON-TOON
PROSPECTOR'S SERVICES CO. LTD.



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