

REPORT  
ON  
GEOPHYSICAL WORK  
FOR  
PAMOREX MINERALS INC.

WEST PENINSULA PROPERTY  
NIGHTHAWK LAKE

NTS:42-A/11

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## SUMMARY AND RECOMMENDATIONS

Magnetic and VLF-EM surveys were conducted for Pamorex Minerals Inc. in February and March 1989 over one claim in Cody Township.

The magnetic results are dominated by a regional northwest gradient caused by a mafic body located southwest of the surveyed area. A linear low striking north northwest is located at the eastern edge of the grid. This probably represents a zone of alteration.

The VLF survey located one anomaly. It coincides with the shore of Nighthawk Lake and is a topographic feature.

The only drill target on the property is the magnetic low at the eastern edge of the property, and it is recommended that further work, such as an IP survey, be carried out to choose the best drill target along the zone.

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## INTRODUCTION

During February and March 1989, magnetic and VLF surveys were carried out for Pamorex Minerals Inc. over one claim located in Cody Township.

The property is located approximately 25 kilometres east of the city of Timmins, in the Porcupine Mining Division. It consists of one claim, numbered P 1029586, situated on the North Peninsula of Nighthawk Lake (Figure 1).

The property was accessed via Highway 803 which branches south from Highway 101 at the Frederick House River. The field data was collected by J. DerWeduwen.

## SURVEY DESCRIPTIONS

An east-west baseline was established and north-south lines were cut at 200 foot intervals. Lines were picketed every 100 feet.

The magnetic readings were taken every 50 feet with a Scintrex IGS-2/MP-4. This instrument is a proton precession magnetometer which measures the earth's total magnetic field to an accuracy of 0.1 gammas. The diurnal drift was monitored every 10 seconds with a Scintrex MP-3 base station magnetometer.

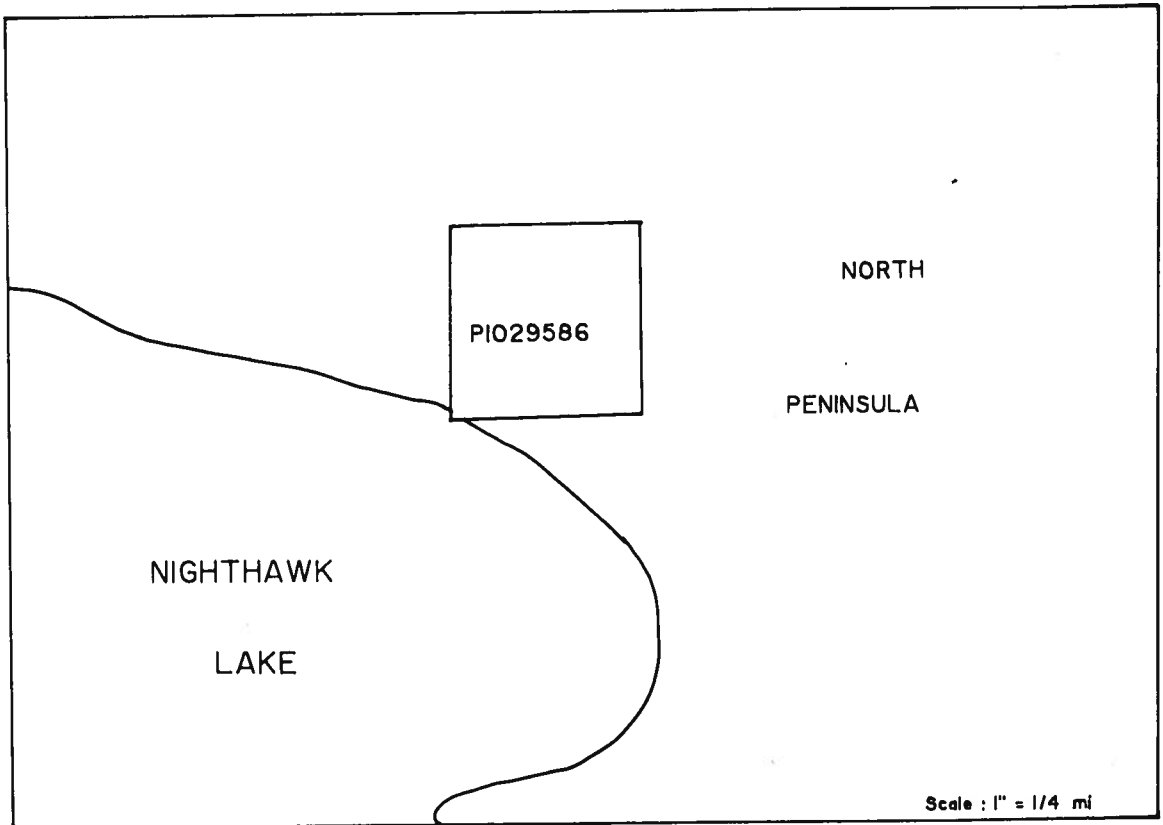
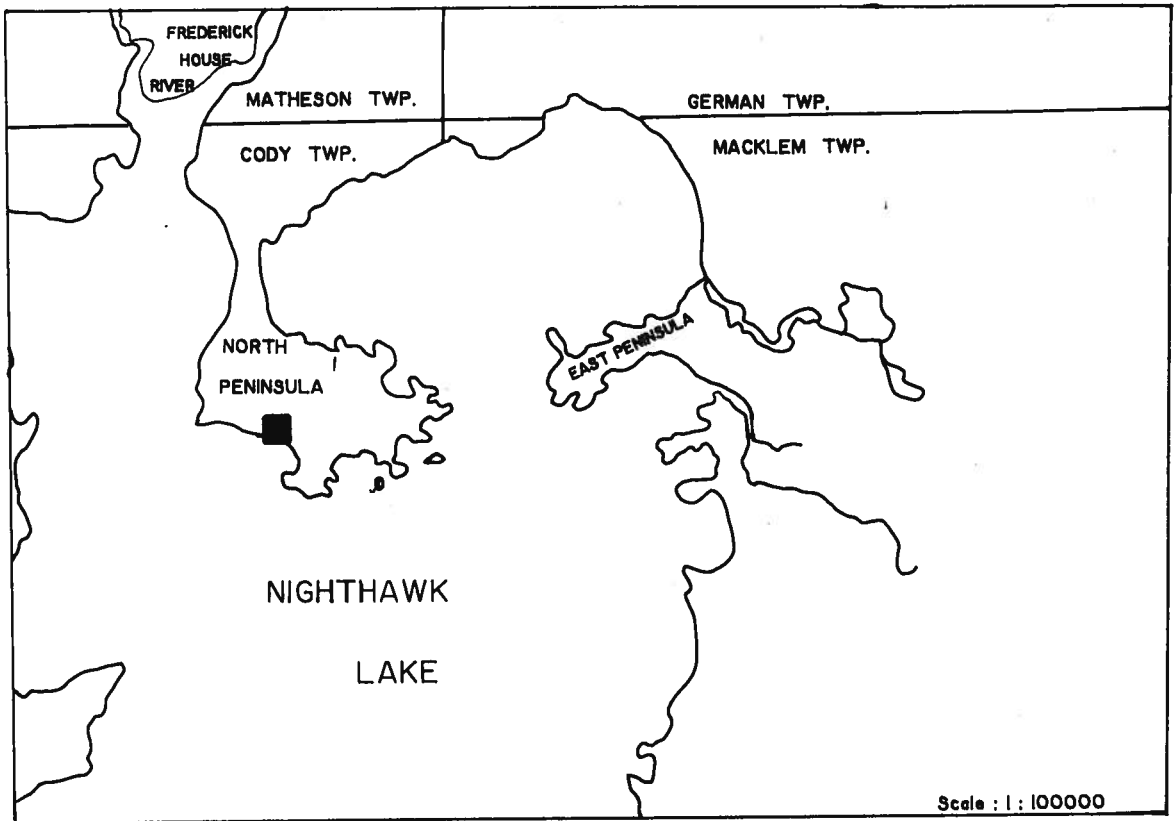


Figure 1: Location Map

The VLF readings were taken every 50 feet with a Scintrex IGS-2/VLF-4. This instrument measures the horizontal field strength and the in-phase and quadrature components of the vertical field. The transmitter station used was Cutler, Maine which transmits at a frequency of 24.0 kHz.

#### MAGNETIC RESULTS

The magnetic results are plotted on map 1 at a scale of 1 inch = 200 feet. The general magnetic pattern shows a regional northwest gradient, caused by a mafic body located southwest of the surveyed area. A linear low striking north northwest is located at the eastern edge of the grid. This probably represents a zone of alteration.

#### VLF RESULTS

The VLF results are presented on map 2, at a scale of 1 inch = 200 feet. The profile scale is 1 inch = 20%. The only anomaly on the property is located at 2400 North on Line 6000 East. This coincides with the shoreline and is also a topographic feature. No bedrock conductors were outlined in the results.

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