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REPORT ON SELF-POTENTIAL SURVEY

FOR

TEMAGAMI MINING CO. LIMITED

SHININGWOOD BAY GROUP

TEMAGAMI LAKE AREA, DISTRICT OF NIPISSING, ONTARIO

REPORT ON SELF-POTENTIAL SURVEYFORTEMAGAMI MINING CO. LIMITEDSHININGWOOD BAY GROUPTEMAGAMI LAKE AREA, DISTRICT OF NIPISSING, ONTARIOINTRODUCTION

A self-potential survey was carried out by Mining Geophysics Corporation Limited during August 1955 on part of the large holdings of Temagami Mining Co. Limited in the Temagami Lake Area. The area surveyed covered ten (10) claims numbered T-35023 to 35025 inclusive and T-35043 in Yates Township, and T-35026 to 35031 inclusive in Phyllis Township.

LOCATION AND ACCESS

The claim group surveyed lies along the north shore of Shiningwood Bay of Lake Temagami approximately 12 air miles from Temagami Townsite. It may be reached by water from Temagami, which is situated on No. 11 Highway and the Ontario Northland Railway.

GENERAL GEOLOGY

A geological map at a scale of 1 inch to 1 mile by W.W. Moorhouse has been published by the Ontario Department of Mines (Vol.51, Part 6, 1942). This map shows the property to be underlain by basic to intermediate volcanic rocks, mainly andesite. These are intruded by a small mass of granite near the northwest corner of the group. Along the north shore of Shiningwood Bay the older volcanic rocks are overlain by a thin remnant of horizontally-bedded Cobalt Series conglomerate.

An east-west striking quartz porphyry dike cutting sheared and

carbonatized tuff and andesite occurs in the southwest part of the property. A considerable amount of trenching was done a number of years ago on this dike which is much silicified and mineralized with scattered grains and lenses of pyrite. Low gold values are reported by Moorhouse.

#### GEOPHYSICAL SURVEY

North-south traverse lines were turned off at intervals of 300 feet along an east-west baseline. Measurements of self-potential were taken at intervals of one hundred feet along the traverse lines.

#### GEOLOGICAL INTERPRETATION


No anomalies which appear to be indicative of sulphide deposits of interest were noted in the survey. The self-potential readings reflect the topography in a general way. The higher values occur in areas of drier overburden and outcrop with the lower readings occurring in the swamps.

#### RECOMMENDATIONS

No further work is recommended for the property at this time.

Respectfully submitted,

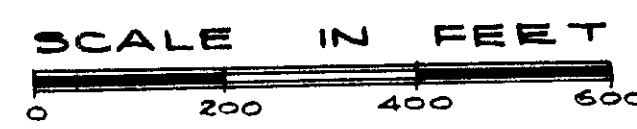
MINING GEOPHYSICS CORPORATION LIMITED

  
W. R. Bergey  
Geologist.

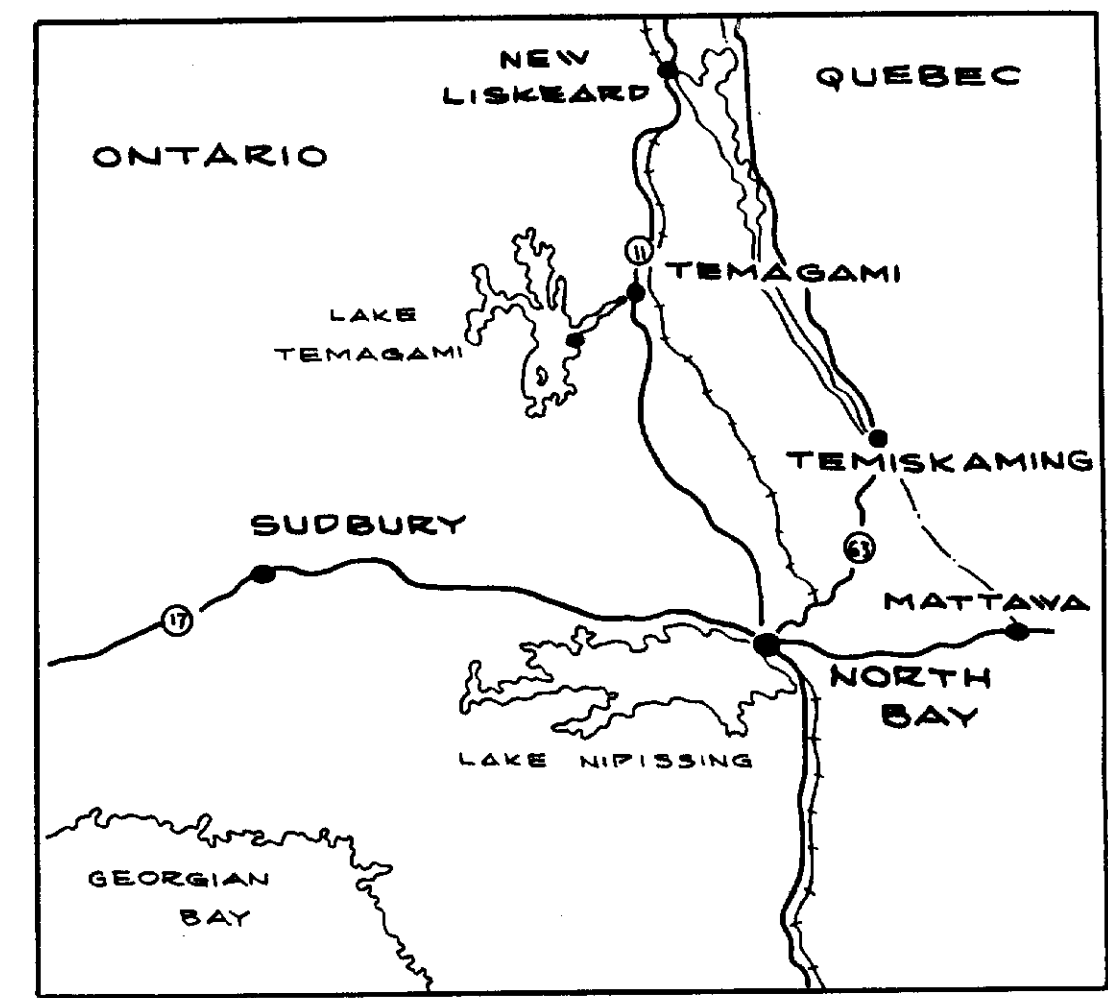
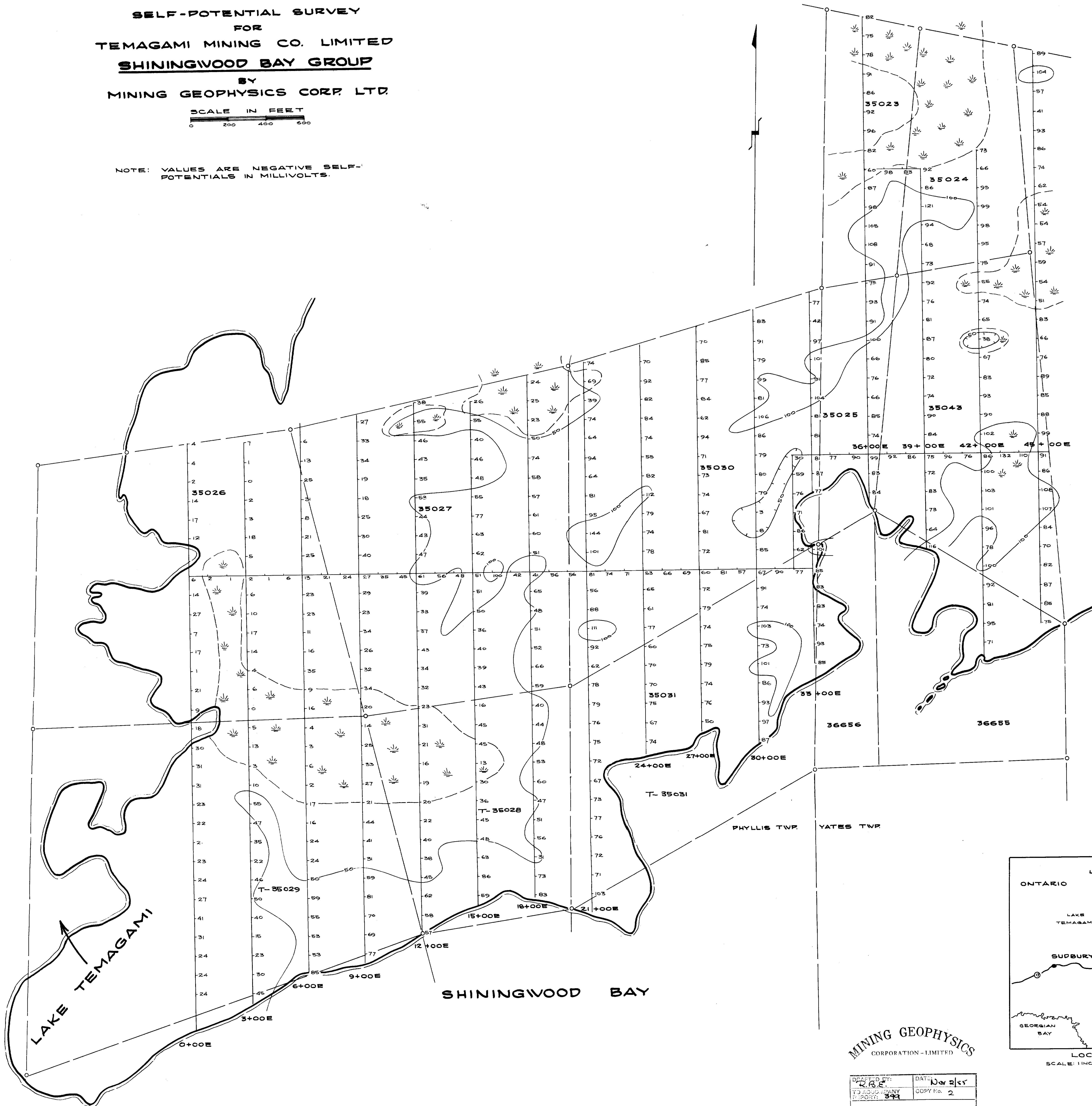
N. B. Keevil,  
Geologist and Geophysicist.

August 24, 1955.

SELF-POTENTIAL SURVEY  
 FOR  
 TEMAGAMI MINING CO. LIMITED  
SHININGWOOD BAY GROUP  
 BY  
 MINING GEOPHYSICS CORP. LTD.



NOTE: VALUES ARE NEGATIVE SELF-POTENTIALS IN MILLIVOLTS.



LOCATION MAP  
 SCALE: INCHES APPROX. 28 MILES

MINING GEOPHYSICS  
 CORPORATION - LIMITED

DRAWN BY: R.G.E.	DATE: Nov 21/57
BY TEMAGAMI T. 35031	COPY No. 2

