

REPORT ON THE GEOLOGY  
OF  
AN AREA ADJOINING THE EAST SIDE OF LAKE TIMISKAMING, QUE.

BY  
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INTRODUCTION.

As stated in the Summary Reports of 1906 and 1907, the geological examination of the district adjoining the east side of Lake Timiskaming was undertaken for the purpose of determining the extent easterly of those geological formations which in Ontario have been found to contain cobalt-silver-nickel ores, and of delimiting the various geological boundaries in greater detail than had hitherto been attempted.

The present report, with the accompanying geological map, represents the result of two seasons' field-work, viz., that of 1906, and 1907. During 1906 the field operations were under the direction of Dr. A. E. Barlow, but owing to his absence from the field during a great part of the summer, and his subsequent retirement from the staff of the Survey, the work devolved upon the writer as his assistant. The area examined comprises about 600 square miles, extending from Lake Timiskaming to Lake Kipawa and Lac des Quinze, and from Rivière des Quinze to the south end of Fabre township.

In the preparation of the map, surveys were made of roads, trails, creeks, lakes, etc., using the Rochon micrometer and surveyor's compass. These, while necessary adjuncts for a correct topographical map, were also utilized for locating geological boundaries. In those portions of the area surveyed into townships the lot posts, which occur on the range lines at intervals of thirteen chains, were employed for the same purpose.

Geological descriptions of parts of the area have appeared from time to time in the publications of the Geological Survey. In 1845, Sir Wm. Logan undertook the examination of the Ottawa river, continuing