

Synopsis of  
field-work—  
Cont.

which is now in course of compilation in the office. He reports favourably of the prospects for gold mining in that comparatively new part of the region. A portion of his time was also devoted to the revision of the geology of the northern part of the Lake of the Woods, where mining is now well established, with the object of completing the data for a corrected edition of the map of that lake and its vicinity.

Mr. A. E. Barlow and Dr. F. D. Adams report jointly on their further work in Central Ontario, on the Haliburton sheet. The chief geological problem involved in this region is, it will be remembered, that respecting the relations of the Hastings and Grenville series and the possible connection of these with the Huronian rocks. Mr. Barlow notices at some length the distribution and mode of occurrence of the corundum deposits, which constitute an interesting feature of the district and one probably of economic importance.

On the Perth and Ottawa City sheets, the position of which is indicated by the names applied to them, work was continued by Dr. R. W. Ells. These sheets include large areas both of the crystalline Archæan rocks and of the Cambro-Silurian formations, the distribution and character of which is being systematically worked out. Iron ores occur in a number of places in the crystalline rocks, and prospecting is being carried on for gold and other metallic minerals. The Cambro-Silurian strata are chiefly of value as structural materials, but their position and structure is also of importance in connection with the question of the possible occurrence of natural gas.

By Mr. R. Chalmers, work was continued on the gold-bearing alluviums of the 'Eastern Townships' of Quebec, and it is now intended to complete a report upon these. The investigation of the superficial deposits and ancient shore-lines along the St. Lawrence and Ottawa valleys, both in Quebec and Ontario, was also continued, with interesting results, of which a somewhat full synopsis is given on a later page.

Exploratory work was conducted by Dr. R. Bell and Mr. A. P. Low on the north and south shores, respectively, of Hudson Strait. This was rendered possible, and appeared to be desirable, in connection with the Hudson Bay expedition despatched under Dr. Wakeham of the Department of Marine and Fisheries.

The coast explored by Dr. Bell, extends from Ashe Inlet and Big Island north-westward to Tehorback, a length of about 250 miles, and a journey was also made by him inland from the head of Amadjuak Fiord to the vicinity of Amadjuak Lake, a distance estimated at fifty miles. The length of coast examined is fringed by numerous islands