

GEOLOGICAL SURVEY FIELD WORK IN 1913

Owing to the meeting of the International Geological Congress in Canada this year, the field work of the Geological Survey will be somewhat curtailed, as many of the officers are required for the work of the Congress, but as will be seen from the following programme of field operations, its work will still be comprehensive and extensive. Most of the parties have left for their respective fields.

Canadian Arctic Expedition.

On the Canadian Arctic Expedition of V. Stefansson, George Malloch will be geologist and geographer for the Northern party, which will explore the unknown seas and lands north of the mouth of the MacKenzie and west of Banks and Prince Patrick's Land.

For the Southern party the following officers have been detailed: R. M. Anderson, zoologist; K. G. Chipman, geographer; J. R. Cox, assistant geographer; J. J. O'Neill, geologist; H. Beuchat, ethnologist; D. Jenness, ethnologist.

The Southern party will investigate the region about Coronation Gulf, including the Coppermine River basin and Victoria Land. The occurrence of copper-bearing rocks in this region makes the geological examination and mapping of great importance. The copper companies are interested in the possibilities of the region, as there are no physical difficulties that would prevent mining. Geological and geographical data are required for the guidance of prospecting for copper in this territory. Should copper be discovered in commercial quantities it would mean the opening up, by transportation, of the whole MacKenzie River valley and the Arctic Coast.

GEOLOGICAL SURVEY FIELD PARTIES IN OTHER PORTIONS OF THE DOMINION.

Geological Division.

Maritime Provinces.

Bell, W. A.—Areal mapping of the Windsor and Horton series in an area comprising about 200 square miles, in the vicinity of Windsor, designated the Windsor map.

Faribault, E. R.—Revision and completion of the geological mapping of the western portions of Sheets 94 and 95, Lunenburg County. Completion if possible of Geological Sheets 91 and 92, Shelburne and Queen's Counties.

Goldthwait, J. W.—Investigation of the glacial features and physiographic history of Nova Scotia. General examination of sand, clay and gravel deposits not hitherto reported on.

Hayes, A. O.—Areal mapping (geological) of the St. John Sheet.

Hyde, J. E.—Continuation of investigation of the Carboniferous areas of Nova Scotia.

Wright, W. J.—Areal mapping (geological) of the Moncton Sheet. Preliminary examination of geological sections at Dorchester and Joggins.

Quebec.

Harvie, R.—Completion of the mapping of the geological sections between Knowlton Landing and Cowansville. Completion if possible of Orford map.

Mailhot, A.—Detailed petrographical and mineralogical investigation of the granitic areas of the Eastern Townships, which may contain gold, scheelite and tinstone(?).

Keele, J.—Continuation of the investigation of the clay deposits of Quebec.

Stansfield, J.—Completion of field work between Quebec and Mattawa, including the survey of the raised beaches on the Island of Montreal.

Wilson, M. E.—Areal mapping (geological) of the Buckingham Sheet (apatite, mica, graphite area).

Ontario.

Barlow, A. E.—Detailed investigation of the corundum deposits at and near Craigmont.

Collins, W. H.—Completion of areal mapping (geological) of the Onaping Sheet (139). Commence revision of Sudbury Sheet.

Johnston, W. A.—Areal mapping of the calcareous drift which forms the valuable agricultural lands northwards from the International Boundary.

Taylor, F. B.—Continuation of investigation of glacial drift forms in Southwestern Ontario.

Uglow, W. L.—Completion of work between Port Arthur and Fort Frances, Can. Nor. Ry.

Williams, M. Y.—Continuation of investigation on the Silurian of Southwestern Ontario.

Manitoba.

MacLean, A., and Wallace, R. A.—Investigation of the gypsum, anhydrite and associated beds of the Gypsumville districts and the beds furnishing the saline springs along the west shore of Lake Winnipegosis and of the phosphatic shales west of the Winnipeg Lakes.

Saskatchewan.

Rosé, B.—Completion of field work between Banff and Golden. Preparation of guide book of the Rocky Mountain Park at Banff.

Cairnes, D. D.—Areal mapping (geological) of the White River copper district. Examination and immediate report on the copper deposits of Valdez Island. Reconnaissance of the placer area southeast of Teslin Lake.

Camsell, C.—Reconnaissance in the Similkameen district.

Clapp, C. H.—Completion of areal mapping (geological) of the Duncan Sheet and the Sooke Special Sheet, Vancouver Island. Examination of alunite deposits on Kyuquot Sound, V.I.

Drysdale, C. W.—Completion of investigations of the gold-copper deposits of Rossland, including the South Belt.

Leach, W. W.—Examination of area being investigated for oil, Sheep Creek, Alta. Completion of areal mapping (geological) of Flathead Special. Commence areal mapping of Crow's Nest Sheet.

McConnell, R. G.—Examination of copper deposits at Granby Bay and Britannia. Reconnaissance of copper-bearing area of Rainy Hollow.

MacKenzie, J. D.—Areal mapping of the coal measures of Graham Island.

Ries, H.—Continuation of the investigation on the clay deposits of Western Canada.

Schofield, S. J.—Completion of areal mapping (geological) of East Kootenay sections, extending them to Kootenay Lake. Completion of geological section at Elko.

Whittaker, E. J.—Examination of geological sections of Mesozoic formations along Old Man River and Race Horse Creek, Race Horse map area. Preliminary examination of Cretaceous sections in escarpment west of Dawson Bay, Lake Winnipegosis.