

SUMMARY REPORT FOR 1907.

By HUGH FLETCHER.

The early part of 1907 was spent by the writer in the usual work of the office, in which he was assisted by Mr. H. F. Tufts, who compiled the surveys of the summer of 1906 and continued a compilation of those previously made in the counties of Hants and Kings. During March, 1907, Mr. Tufts made two short trips into the country north of Ottawa to collect certain natural history specimens for the Museum, under instructions from Professor John Macoun. On April 14 he left Ottawa for Nova Scotia to engage in similar work and to collect skins of birds and mammals; he continued this work for Professor Macoun until June 17, when he again resumed geological work in the neighbourhood of Whiterock, assisted by Mr. W. W. Hughes and, a few days later, by Mr. M. H. McLeod. Mr. Hughes left Nova Scotia on July 14, but Messrs. McLeod and Tufts continued work there until the end of the season.

As is frequently the case with field officers of the Survey, part of the writer's time during the winter was taken up with queries from companies and individuals upon questions of mining geology. From December 3 to December 13, 1906, he was at the Londonderry mines, to study with the manager, Mr. J. J. Drummond, and the superintendent of mines, Mr. W. F. C. Parsons, the singular and interesting deposit of hematite discovered on the west side of the Great Village river, not far above the bridge on the Cumberland road, and worked by the company at the Brooking mine in the immediate vicinity of the igneous rocks of the district.

The Londonderry hematite is eighteen to twenty feet wide where opened on the bank of a brook by a cross-cut or tunnel from which a steep shoot runs up to the surface, and it appears to follow a mass