

TO GEO. M. DAWSON, C.M.G., LL.D., F.R.S.,

*Director Geological Survey of Canada.*

SIR,—I have the honour to submit the following Report upon the geology of South-western Nova Scotia, made by myself and successive attendants at various times between the years 1891 and 1896.

In December, 1893, a report, embodying the results of explorations in the counties of Queen's and Shelburne only, and prepared in accordance with the directions of the then Director, Dr. A. R. C. Selwyn, was submitted to that gentleman for approval, and was accepted for publication, but owing to the want of funds for printing was held over to await further appropriations. In the meantime, the field-work was extended to include the counties of Yarmouth and Digby, and a second report relating thereto was also submitted. In connection, however, with the latter, several important questions having arisen requiring further investigation, and appropriation for publication being still in abeyance, it was deemed advisable to further study the points in doubt, at the same time that a preliminary report should be prepared, summarizing the more important results which had been definitely ascertained. This report, with an accompanying map, forms a portion of Volume VII. of the Annual Reports (New Series). Still further delay in publication being unavoidable, I was finally directed by yourself, early in 1896, to devote another season to the clearing up, if possible, of all doubtful points, and to prepare a report in which the substance of both the previously written reports might be condensed. In connection with this object it has been found necessary to extend the field of observation so as to include a considerable portion of Annapolis county, especially in the vicinity of Annapolis Basin. The results of the observations thus made, together with those previously attained, form the substance of the present Report.

During a portion of the season of 1890 I was assisted by Mr. J. W. Bailey, in 1891 by Mr. Lee Street, in 1892 and 1893 by Mr. W. H. Prest, and in 1896 by Mr. Roy Van Wart. While each of these gentlemen cheerfully rendered all the assistance in his power, the services of Mr. Prest were especially valuable; his previous training as a prospector, his knowledge of geology in general, and of the Cambrian system of Nova Scotia in particular, together with his skill as a draughtsman and surveyor, to say nothing of his enthusiasm and power of endurance, all combining to make his work thorough and effective.

I have the honour to be, Sir,

Your obedient servant,

L. W. BAILEY.