

supplemented by the more recent government surveys, as well as by extensive surveys of my own. The issue of a separate map to accompany the present report, is necessitated by the fact that the area described is unfortunately situated at the meeting of four sheets of the geological map of the Province of Quebec, now in course of preparation, two of which sheets cannot be completed for publication for some years yet.

The petrographical work in connection with the Report has been carried out in part at the University of Heidelberg and in part in the petrographical laboratory of McGill University.

Previous to the commencement of my survey, a certain amount of work had been done in this district, by various members of the Geological Survey, at different times. Short visits to certain parts of it had been made by Sir William Logan, Dr. Sterry Hunt and Mr. John Lowe, a number of localities being referred to by them in the early reports of the Survey. In the summer of 1880, Mr. R. G. McConnell mapped an area of considerable size lying to the southern portion of the counties of Berthier, Maskinongé and St. Maurice, a small portion of which is included in the present map. Mr. H. G. Vennor and Mr. Lewis R. Ord also examined portions of the district in 1879-80. A short statement concerning the work of these three gentlemen is contained in the Summary Report of the Operations of the Geological Corps, by Dr. A. R. C. Selwyn, 1879-80, pp. 3-5.

My warmest thanks are due to Prof. Rosenbusch of Heidelberg for aid and advice on many points connected with the petrography of this district; also to Prof. Carlyle, formerly of McGill University, now Provincial Mineralogist for British Columbia, who ably assisted me during the seasons of 1885 and 1887, as well as to Mr. Walter C. Adams, B.A.Sc., Mr. Nevil Norton Evans, M.A.Sc., and Dr. B. J. Harrington, for chemical analyses of rocks, and to Mr. G. H. Garden, C.E., and several other gentlemen who have assisted me in various ways.

I have the honour to be, sir,

Your obedient servant,

FRANK D. ADAMS.

MONTREAL, 25th June, 1896.