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REPORT
ON THE GEOLOGY OF
NORTHERN NEW BRUNSWICK,
EMBRACING PORTIONS OF THE COUNTIES OF
RESTIGOUCHE, GLOUCESTER, AND NORTHUMBERLAND,
BY
R. W. ELLS, M.A.

Previous to the commencement of the work in this portion of the Province, in 1879, the determination of the various geological formations was of a very general character, and their boundaries somewhat loosely defined. Explorations had been made to a limited extent along the coast by Sir W. E. Logan, in 1843, in connection with the so-called Bonaventure formation; by Dr. Abraham Gesner about the same date, the result of whose observations appeared in his report to the New Brunswick Government; by Prof. H. Y. Hind, in 1864, who made a traverse of the Tobique and Nipisiguit Rivers, as also of the main south-west Miramichi, by whom the great bulk of the metamorphic rocks, as seen in these streams, was assigned to the Quebec Group, and whose report to the New Brunswick Government (1865) contains a large amount of very valuable information. Brief papers also appeared in the *Canadian Naturalist* by Prof. L. W. Bailey, of Fredericton, who made a canoe voyage from the St. John River to Bathurst, by way of the Tobique and Nipisiguit Rivers, and in the *Transactions of the Nova Scotia Institute of Natural History*, by the Rev. Dr. Honeyman, more particularly with reference to the country about the upper part of the Bay Chaleur, and in the vicinity of Dalhousie.

The working out of the stratigraphical relations of the different geological formations in the southern part of the Province has, however,

Work pre-
viously done in
this area.