

GEOLOGICAL SURVEY OF CANADA.

REPORT OF PROGRESS.

MONTREAL, 1st May, 1849.

SIR,—I have the honour to request you will do me the favour to place before His Excellency the Governor General, the accompanying Report of the Progress made in the Geological Survey of the Province, during the year 1848-49.

I have the honour to be,

Sir,

Your most obedient servant,

W. E. LOGAN,
Provincial Geologist.

To the Honble. James Leslie,
Provincial Secretary,
&c., &c., &c.

To His Excellency the Right Honourable JAMES, EARL OF ELGIN AND KINCARDINE, K. T., Baron Bruce of Kinross and of Torry, one of Her Majesty's Most Honourable Privy Council, Governor General of British North America, and Captain General and Governor-in-Chief in and over the Provinces of Canada, Nova Scotia, New Brunswick, and the Island of Prince Edward, and Vice-Admiral of the same.

Montreal, 1st May, 1849.

MAY IT PLEASE YOUR EXCELLENCY :

Having already placed before your Excellency, on the 17th January last, a Report on the Geology of the country on the north shore of Lake Huron, the examination of which engaged my attention during the chief part of the past season, I have now the honour to transmit the Reports of my Assistants, Mr. Murray and Mr. Hunt, displaying the extent to which, in the course of last year, their labours have advanced the Survey committed to my charge. The Report of Mr. Murray comprehends the result of his examination of various parts of the coast of Lake Huron, independent of those in which he personally aided myself; and that of Mr. Hunt, the analyses of various mineral springs existing in both sections of the Province, and various metallic ores, the latter in addition to those which have been already incidentally mentioned in my own Report.

Independent of three months occupied on the north shore of Lake Huron, a portion of my time during the past season was employed, in company with Mr. Hunt, in the examination of certain test facts, bearing on the physical structure of the Green Mountains of Vermont, in their prolongation into Canada, as

set forth in the Report of Progress for 1847-48, which I had the honour of transmitting to Your Excellency on the 26th March last. Previous to leaving the Eastern Townships for Lake Huron, and subsequent to my return, farther examinations were made in the vicinity of the St. Francis, preparatory to continuing the investigation of the formations of those Townships, in their extension beyond the Chaudière to the Temiscouata Road; but as it is proposed to prosecute the examination of this part of the country during the approaching season, it is considered expedient to reserve the preparatory and desultory facts ascertained, until they can be combined with others in the district in question, in a future Report.

I have the honour to be,

Your Excellency's

Most obedient servant,

W. E. LOGAN,
Provincial Geologist.

REPORT

Of ALEX. MURRAY, Esq., Assistant Provincial Geologist, addressed to W. E. LOGAN, Esq., Provincial Geologist.

MONTREAL, 20th January, 1849.

SIR,—Pursuant to your instructions, my attention has been devoted during the past season to extending the investigations of the previous year (1847) by a farther examination of the shores, islands, and rivers of Lake Huron.

Subsequent to a short excursion in the early part of May, up the Ouse or Grand River, to ascertain the nature of the rocks near Galt, in the Township of Dumfries, I proceeded to Penetanguishene, where I joined the party that were to accompany me, on the 18th of the month, and after re-inspecting several points between this and Cabot's Head, and again touching at the Manitoulin Islands, collecting fossils and mineralogical specimens whenever occasion offered, we coasted along the Isle of Coves and Cape Hurd, to the Rivière au Sable (north) and the Sauguine. From the Sauguine we proceeded to Goderich, occupying several days in the examination of the rocks on the Ashfield, Maitland, and Bayfield Rivers, and continued our course to Cape Ipperwash, generally known by the name of Kettle Point, then farther on to Port Sarnia, and by River and Lake St. Clair to Windsor, in the Western District, which we reached in the end of June. From Detroit we passed by steamboat to Sault Ste. Marie, which we left