

REPORT

ON

GEOLOGICAL SURVEYS AND EXPLORATIONS

IN THE COUNTIES OF

GUYSBOROUGH, ANTIGONISH AND PICTOU,

NOVA SCOTIA.

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INTRODUCTION.

The following report relates to the geology of those portions of the Area surveyed. counties of Guysborough, Antigonish and Pictou, which lie north of the gold-bearing series of the Atlantic coast and east of Sutherland's River and of the Pictou coal-field—a region which presents in its geography, geology and scenery, many interesting features. The highest General features. land extends along the Gulf shore from Cape George and Morristown to the East River of Pictou; but few of the summits exceed 1,000 feet in height, and deep, broad valleys are cut by the Salmon, Guysborough, Pomquet, Antigonish, St. Mary's, Barney's, French and Sutherland's Rivers.

The northern part, including nearly all Antigonish and a large portion of Pictou county, is well settled. Guysborough county is in general much less productive and contains large uninhabited tracts of woodland and barren.

GEOLOGY.

There seems no reason to believe that any one of the formations No gap in the geological formations from Pre-Cambrian to Permian. between the Triassic and the Pre-Cambrian is absent from Nova Scotia. Those found in Cape Breton are also found on the mainland with others of Lower Cambrian age—the gold-bearing series—Silurian, Cambro-Silurian and Permian, most of which are also traceable through Cumberland county* into New Brunswick.

* Geol. Survey Report for 1885, page 54 E.