

parts of the Province. The stations, grey sandstone and Grit, come in for horizontal position or From this to New- cuttings. The sand- quarrying. Extensive Tabusintac, but the with a sparse growth

road, which keeps find at Bass River, probably ledges of these probably overlie the Nipisiguit. Lower Carboniferous are low, exposures of rock, thirteen miles of sand and shale are seen, Shippegan. The shore for part of the way horizontal in attitude of the area. At Clifton, sandstone quarries are. The cliff here has seams of coal, the of the quarries, has includes much carbonaceous. The shales are, and at several points in the face of nearly to Blue Cove, it turns off to Caraquette. At Caraquette, a coal seam is seen on years ago, for the As we approach the sandstones and are reported to contain time of my visit, the settlers to disclose be made. From and consists of peat

bogs and sand bars; no exposures are seen, but the generally dark-reddish color of the soil would lead one to infer that the underlying rocks are purple sandstones and shales. The remainder of the coast from Tracadie to Bartibogue River has not yet been examined, but from the latter stream to Newcastle grey sandstones and grits form frequent exposures along the shore and continue westward up the Miramichi (N. W. branch) to the western limit of the carboniferous basin on the Little South-west Miramichi and Big Sevgole.

The shore on the south side of the Miramichi River and harbor to Point Escuminac is generally low, and consists in many places of sandy beaches and peat bogs. Low cliffs of grey and sometimes purple sandstone and shale occur at intervals, and ledges are seen on the shore below high water-mark, but the beds are so uniformly horizontal that surface examination alone affords but little information.

Over this country coal seams are reported at various points. Besides those already mentioned on the Bay Chaleur, thin seams are stated to occur on the Renous and Dungarvon, branches of the Main South-west Miramichi, and in the vicinity of the latter also at Doaktown. Coal is also said to occur on Barnaby River, about one and a-half miles from its mouth, and on the Napan, back of Chatham. Thin seams also are found on the shore at Black Brook, about six miles below Chatham. Many of these places have not yet been visited, but the reports all agree in saying that the outcrops are very thin and do not exceed a foot in thickness at any place. It would almost seem desirable that some effort to test the thickness of the formation in the vicinity of the Gulf should be made. Could workable beds be found at Shippegan their value would be very great; since from their nearness to the Montreal market a manifest advantage would be obtained over the mines of Pictou and Cape Breton.

LOWER CARBONIFEROUS—BONAVENTURE FORMATION.

The rocks constituting this formation extend in a continuous belt from the South-west Miramichi River above Boiestown, north-east to Bathurst, and appear at various points about the upper part of the Bay Chaleur. The limits of the formation are well defined on the North-west Miramichi, the Little South-west and Big Sevgole. About Bathurst it is seen well developed on the Nipisiguit River, whence it extends northward underlying the town and harbor and extending up and past the mouth of the Tête à gauche River, along the post road and to the mouth of Peters Tête à gauche River, and occupying the coast to this point. Where ledges are absent the formation is readily recognized by its characteristic red soil. On the Nipisiguit itself it extends up about thirteen and a-half miles from the mouth, occupying, for the most part, the southern bank of the river

Shore east of Chatham.

Coal seams of the Miramichi.

Extent of the formation about Bathurst.