

The average depth of the Gulf of St. Lawrence is 200 fathoms; over 300 fathoms midway between Grosse Isle, the Magdalens, and Heath Point, Anticosti; and, as Dr. Whiteaves has pointed out, more than a hundred fathoms over a considerable part of its extent.

*Effect of Chignecto Upheaval on Fauna.*

May it not be that the elevation which cut off communication between Chignecto Bay and Baie Verte, and between Cobequid Bay and Pictou, in other words, between the Bay of Fundy, as a whole, and the Straits of Northumberland, so affected the fauna of the waters north, i.e. the Gulf of St. Lawrence, as to leave only isolated traces of a former community of species. The Brachiopod (*Terebratulina septentrionalis*) which occurs quite plentifully in well-known patches in Passamaquoddy Bay and further south, occurs in very deep water in the Gulf, as Dr. Whiteaves has stated; the oyster occurs abundantly for several hundreds of miles south of the Bay of Fundy, but survives in the north no further than Caraquet, and, in scattered beds, all the way down to Pictou and Pugwash, while the Prince Edward Island shores are more or less an oyster bed all round.

*Banks of the Gulf and Atlantic Shore.*

In many ways the fishing banks of the Atlantic coast of Canada differ from the European banks referred to. They are much deeper, descending in the case of the Grand Banks to 160 fathoms, though 25 to 50 fathoms is a very usual depth. The German Bank, and Quaco Bank in the Bay of Fundy, have long been productive, but the great shelf which extends from the Seal Island grounds, off western Nova Scotia, round to Cape Breton and from the Cape North banks by way of the Magdalen Islands to Cape Gaspé, embraces the greatest fishing areas in Canada, perhaps in the world. The Grand Banks are south east of Newfoundland and are more than 600 miles long by about 200 miles in breadth, an area larger than all Italy, and the most extensive submarine elevation on our planet. The famous 'Bank codfishing' is carried on in depths of 10 to 100 fathoms, 45 to 50 fathoms being most usual; but St. Peter's Bank to the west, i.e. south of Bay Fortune, is deeper, fishing being conducted in water 130 fathoms deep. South-east of this bank is Southern Shoal Bank, and further west again is Green Bank. Towards Sable Island are Misaine Banks, and to the east, Canso Bank, while the famous Banquereau continues by the Western Bank to Sable Island Banks and south to La Have Bank and Ridges, situated between Sambro and Roseway Banks off the south eastern shores of western Nova