

of the island. Between the spit extending 200 yards from the latter, and the 4 feet rock there is a passage for a light draught vessel. Eastward of Kangaroo rock the shore of Thessalon island should not be approached nearer than a quarter of a mile.

Serpent island as a glance at the chart will show is situated $2\frac{1}{4}$ miles south-westward from Thessalon island. The ground of the island is low, but the timber gives it the appearance of a compact little island a quarter of a mile long, north and south. The north point is clean, but shallow water extends 250 yards eastward of the island, and a bank with 13 feet over it makes out a third of a mile from the south-west shore of the island.

East coast of St. Joseph island, Big point to Koshkawong or Milford Haven.—The latter is the name given to a well sheltered harbour on the eastern side of St. Joseph island, and its north point marks the southern limit of the Canadian survey of this shore, as does a line drawn from Beef island to Chippewa point.

Big point.—The northern shore of this point has been described in the Directions for St. Joseph channel and the eastern part of the point can be approached to 200 yards.

Mosquito bay is the name of a shallow boat-harbour situated $1\frac{1}{2}$ miles south westward of the southern part of Big point, the shore between them having shallow rocks lying off a quarter of a mile.

Caradoc point is the next projection southward of Big point, and from it to within a quarter of a mile from Mosquito bay the shore is bold. Detached stones lie 50 to 70 yards off the east shore of Caradoc point, but the deep water comes sufficiently near to allow the point to be approached to 150 yards.

Fox island, about 10 feet high and wooded, is a quarter of a mile long north and south, and 200 yards broad. Its east side may be approached to 200 yards, but from its other sides shoal water extends a greater distance.

Ironsides reef extends over half a mile northward from the north point of Fox island. It has an average breadth of 300 yards and is composed of a few large boulders one to two feet above, and several sunken rocks with very little water over them. The north end of this reef may be avoided by keeping the north points of Gull and Serpent islands in line E. by S. $\frac{3}{4}$ S. The ice-house at Kosh-ka-wong point closed with Pecks point S.S.W. $\frac{3}{4}$ W. leads west of this reef.

West rock, with 7 feet water over it, lies N.W. by W. $\frac{1}{2}$ W., 350 yards from the inside Sandy point of Fox island, the ice-house range before mentioned leads 200 yards west of it.