

Canadian shore, and follow that depth round to the northward and westward until Dalhousie church opens out to the westward of the island bearing S.W. by S. Then steer West, or directly up the estuary, until Dalhousie church appears midway between Dalhousie island and the islet to the westward of it, bearing S. by W. Steer now for the church, taking care not to bring it to bear to the westward of S. by W., and the vessel will pass over the extensive 3-fathoms flat, to the westward of the Middle ground, into the harbour.

With beating winds, in the board to the northward, towards Tracadigash spit, that danger will be avoided by keeping Dalhousie mountain open to the southward of Maguacha point. To the westward of the spit vessels may stand in to 6 fathoms water, but there will be no use in standing in to Carleton or Nouvelle bay out of the strength of the tide. On the Heron island side, observe that the highest summit of the Scaumenac mountains and the southern side of Dalhousie island touching, clear the shoal water to the northward of Heron island in 4 fathoms. Tack therefore in the board to the southward when the mountain comes in one with the northern side of the island, or by the lead in 6 fathoms. The vessel will be clear of the reef off the west end of Heron island when the river Charlo bears to the southward of S.S.W. ; and may then stand to the southward into 4 fathoms, as long as the east side of Maguacha point does not bear to the eastward of N.E. by N. : after which she should tack in the board to the southward in 7 fathoms, because the flat of from $2\frac{1}{2}$ to $3\frac{1}{2}$ fathoms in Eel bay becomes rather steep as she approaches the Bonami rocks.

The Bonami rocks may be approached to 7 fathoms water, and when they bear W. by S., the vessel will be within the point of the Maguacha spit, which must be avoided by means of the leading marks already given. From the Bonami rocks to Dalhousie island she may stand in on the board to the south-west into 8 fathoms, but she should go no nearer to the east side of the Middle ground than 10 fathoms, and that with great care, for it is very steep ; its northern side may be approached to 9 fathoms. On the board towards the Canadian shore she may stand in to 9 fathoms between Maguacha spit and Yacta point, which last, observe, has a very steep shoal off it to the distance of 3 cables. To the north-west of Yacta point she can safely stand to the northward into 6 fathoms all the way to Fleurant point.

TIDES.—In Dalhousie harbour it is high water, full and change, at 3h. 10m., and ordinary springs rise $8\frac{1}{2}$ feet, and neaps 6 feet. The rate of the tidal streams in the entrance does not exceed 2 knots.

BELLEDUNE POINT, on the southern side of Chaleur bay, bears S.E. 13 miles from Heron island, and the extreme seen from it, is low and