

KAMOURASKA ISLANDS are Great Id., Burnt Id., and Crow Id.; the two former are steep-to, but near Crow Id. the bank becomes shallow. To the southward of Crow Id. is a place where vessels may run on shore with safety; the mark for going in is, to open the church 3 sails' breadth to the west of Crow Id., bearing E.S.E., and steer in. With spring-tides you have 14 ft., and with neaps 10; the ground being all soft mud.

Cape Diable bears from Crow Id. S.W. by W., distant 3 m.; and the easternmost part of the reef runs from it to within a mile of Crow Id.; therefore vessels from the westward should stretch along this reef, in 6 fms., and then haul in for the church, agreeably to the mark just given. There are two openings in the reefs, but strangers must not attempt either.

With easterly winds, ships that have lost their anchors may run for the cove to the southward of Cape Diable; to enter which you should bring the church and Crow Id. in the direction before stated; and having got within the reefs, run up westerly, leaving a small islet above the church on your port side, then put the ship on shore in the S.W. part of the cove, and she will be safe; but if the wind be westerly, run her aground a little to the eastward of the church.

THE TRAVERSE.—From abreast of Cape Diable, distant 2 m., your course to the Traverse will be S.W. by W. $\frac{1}{2}$ W., 15 m. This will lead you direct to the Lt.-vessel, and past the black buoy off St. Anne. The channel of the Traverse is buoyed by four black buoys on the south bank, to be left on your port hand going up; and two red buoys on the Middle Ground, on your starboard hand; also by the chequered buoy of the Channel Patch. Your course through the narrows, from abreast the Lt.-vessel, will be S.W., $4\frac{1}{2}$ m., along the edge of St. Roque's Shoal, up to the third black buoy, and from thence S.W. $\frac{1}{2}$ S., 3 m., to the chequered buoy on the Patch; continue on to the southward of the Stone Pillar Lt. and South Rk. (see p. 74); and from thence a S.W. by W. $\frac{1}{4}$ W. course will take you past Goose Id. Reef towards Crane Id.

TIDES.—As the tides here run strongly, allowance must be made for them, whether ebb or flood.

In entering the Traverse with little wind, you ought to be careful to make proper allowance for the first part of the flood-tide, for that sets strongly towards the point of St. Roque's Bk. In going through, if more than half-flood, be guarded against the S.W. by W. set, and always keep the south bank on board; but when above the Pillars, the tide sets fair up the river.

In beating into and through this passage, be careful to tack from side to side on the first shoal east of the lead, but more particularly so on the edge of the Middle Ground; and observe, that the ship will go faster over towards the Middle Ground than toward the shoals of St. Roque; and, if there be but little wind, be sure to borrow on the south side of the channel.

Should the flood be done and your ship in the narrows, or between the buoys, and any circumstance makes it necessary for you to anchor, do not bring-to in the channel, but on either side as most convenient, and come-to in 7 fms. After half-ebb the tides will be found to be more moderate. In the deep water they run very strongly; therefore if you are obliged to anchor here, take care to give a good scope of cable before the stream comes strong; for should your anchor start, you may have to cut from it, as it seldom will take a fresh hold, the ground in every part of the Traverse being hard, foul, and unfit for holding well.

Farther on, at or about the Pillars, the tides have less velocity, being seldom more than $3\frac{1}{2}$ knots an hour; ships therefore will find good riding, with easterly winds, about 2 m. to the north-eastward of the South Pillar, in 7 fms., or to the southward of it, in a similar depth, on good ground.

From abreast of the Stone Pillar to Crane Id. your course will be nearly S.W. by W. $\frac{1}{4}$ W., and the distance 10 m. In your progress you will pass Goose Id. Reef and Beaujeu* Bk.; both of which have been described in pp. 74, 75. Crane Id. is a little above Goose Id., to which it is connected by low meadow land. The southern side of this part of the channel is formed by a muddy flat, with regular soundings as you approach, and 3 fms. over it, having good anchorage

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