

the creek, however, it must be stated, that there is a bar at its mouth, of mud, upon which vessels of five and six feet draught are sometimes, after the prevalence of northerly winds, aground. This bar should of course be removed; and, although it would not be recommended for some time at least, to resort to means, such as a dam or weir, for keeping the mouth permanently open, the probability is, that for a considerable period, simple and cheap processes could be used to prevent ever again the recurrence of the existing difficulties. The channel of the creek, too, is tortuous; but the Commissioners would propose that it be used in its present state, and remedies only gradually applied, until circumstances, in connection with the other improvements of more pressing importance, show the necessity of a perfect system of navigation. The point which they have selected as the opening of the canal is known as Ayres' Mill: where it is believed can be easily procured four and a half feet—the least depth that could be desirable. It would be easy, by taking a point not much lower down the creek, or even at this point by the construction of a sluice, to procure six feet. Yet, from circumstances which will be detailed in another section, the Commissioners have deemed the former depth sufficient in this place.

From Ayres' Mill, the line will be located straight across to the head of Herring Creek, where a river navigation commences again. Herring Creek, a straight though shallow stream, (there being not more than three feet water, with a very soft bottom at its head) will require cleaning out; the best means for which will be, under the circumstances, an ordinary scow-dredge, aided by a sluice. An estimate of the expence of this will be found in another section, under its proper head.

This route, from Trap to Herring Creeks has been located in perfect accordance with the principles laid down in a preceding page; and presents, as forcibly as any other, an illustration and application of those principles. The Commissioners have already said enough to show the good reason at the foundation of their choice.

Besides, however, the difficulties which they have enumerated, and the shoals they have mentioned, there is, higher up, a more serious obstacle still, not far from the mouth of the St. Martin, in Massey's Shoal—an