

pairs, the male and female. They remain in their spawning holes for a week at least, leaving them during the day, and returning at night.

11. I dont think the saw-dust does harin. The Salmon spawn higher up the streams than where saw-dust is found.

13. The mill-dams have seriously injured the fishing.

When I came to Queens County, a Mr. Duann of Mill Village used to take 1,000 barrels of Gaspercaux in a season, and the other inhabitants 2,000 more. Such is the difference in the run of the fish that last year not more than 300 barrels could have been taken by the utmost diligence. In point of fact there were none taken. They are always caught below mill-dams, and the law prohibits taking them within a quarter of a mile; and was this year in force. Four mill-dams were built across Liverpool River. The first is near 100 years old but always had a fish way. The other dams have been built of late date, and had all fish-ways when first constructed, but their fishways have become closed by drift-wood, and at the time the new law came into operation the fishways were completely obstructed. I attribute the falling off of the fishery entirely to these obstacles.

14. The plan I propose for a fish-way is this: Cut a hole in the bottom of the dam on a level with the lowest part of the water in the Pond, 2, 4, or 6 feet square, according to the size of the river. At a distance of 10 feet from the inner or pond end of this hole build a pier, 12 feet square, connect the two ends of this pier with the dam by stringers, one connecting the top of the pier with the top of the dam, the other the bottom of the pier with the bottom of the dam. Attach upright pickets to these stringers at a distance of 14 inches apart. The pier stops the rush of the water into the hole and the pickets prevent the way being stopped up with rubbish.

From the pier to the shore there should be a bridge, so as to make the pier easily accessible for the removal of rubbish. That part of the dam which is over the hole should be raised so far above the general level of the dam as to prevent any water passing over and falling upon that which passes through the fishway.

This plan is applicable to all dams. If the dam be not made of timber, a square box can be inserted instead of cutting the timber for the hole. The cost of inserting one of these fishways in an ordinary dam would range from £5 to £12, according to the size.

15. This depends on the quantity of water. When the water is high and running over a dam, a salmon will sometimes force his way up; salmon never leap over an obstruction unless there is a sheet of water covering it.

THE HON. ALEXANDER CAMPBELL.

I have been long acquainted with the northern parts of the Counties of Pictou, Colchester and Cumberland. All the rivers that have their outlet in the Gulf, west of Pictou, are short, and most of them rapid, varying in length from 3 to 5 miles, from the head of the tide to the base of the mountains, from which they spring. After a rain the moun-