

The writer was informed by one of the officers of the Hudson Bay Company, that salmon trout on the North Eastern Coast of Labrador lie packed in large numbers close together throughout the greater portion of the winter, in deep holes, in the rivers flowing into the sea on that coast. But whether they are in a torpid condition with a temporary physical alteration in their form, does not appear to be as yet known.

The Mackerel regularly appear at the Magdalen Islands in the Gulf of St. Lawrence about one month after the first arrival of the herring. The time as far as observed during 1861 to 1866 inclusive, 1871 and 1873 to 1876 inclusive, varied from the 30th May to the 12th June.

The following table shows the dates of the first appearance of the Herring and the Mackerel at Pleasant Bay during the years named. The authorities are to be found in the official reports of officers engaged in the protection of the Fisheries, in Capt. Fortin's Reports, and in other published documents relating to the Canadian Fisheries in the Annual Sessional papers.

In Captain Fortin's Report for 1853, Herring are stated to have arrived about the 1st of May of that year, and the Mackerel Fishing to have been nearly finished on the 7th June.^(1.)

TABLE SHOWING THE PERIOD AND THE YEARLY DIFFERENCES IN NUMBER OF DAYS BETWEEN THE FIRST APPEARANCE OF THE HERRING AND THE MACKEREL AT THE MAGDALEN ISLANDS, FROM 1857 TO 1876.

YEAR.	1st Appearance of the Herring.	1st Appearance of the Mackerel.	Difference in days.	
1857	May 7th	June 1st	23	
1859	April 29th	.....	.....
1860	" 28th	June 1st	32	
1861	May 1st	.....	.....
1862	" 2nd	June 4th	32	
1863	" 17th	" 12th	25	
1864	" 1st	" 6th	35	
1865	April 27th	May 30th	32	
1866	" 25th	" 29th	33	
1867	May 7th	June 2nd	26	
1868	.....	.....	.....
1869	.....	.....	.....
1870	April 15th	.....	.....
1871	May 8th	May 31st	23	
1872	" 3rd	June 20th	.....	Mackerel three weeks later than usual—much ice. ^(2.)
1873	April 27th	June 5th	38	
1874	May 2nd	" 7th	35	
1875	" 6th	" 8th	32	
1876	" 5th	" 6th	31	

"On the 31st May I went inside Amherst Harbor and boarded twelve vessels engaged in mackerel fishing." Report of Capt. L. H. LaChance, commanding the Marine Police Schooner "Stella Maria." Dec. 1871. Sess. Papers 1872, page 158.

The Mackerel must have been in the vicinity of the Magdalens during the last week in May, in 1871, and fishermen were then taking Mackerel simultaneously far south and far north, or in Martha's Vineyard, south of Cape Cod, in latitude $41^{\circ} 20'$, and Amherst Harbor, Magdalen Islands, in latitude $47^{\circ} 20'$, or six degrees of latitude apart.

cially of the Sturgeon. From the end of June, different kind of Sturgeon, as well as scaly fish, come to the Ural for the second time.

"For some time they can be seen swimming and playing in the stream, but as soon as the water grows cold this vivacity disappears; they seek the deep

1. MSS. in French—not printed.

2. Canadian Sessional Papers. Reports of the Fishery Officers.