

LOCALITIES REFERRED TO FATHER POINT.	DIFFERENCES TO BE APPLIED TO FATHER POINT TABLES.		RISE OF TIDE.	
	For High Water.	For Low Water.	Springs.	Neaps.
	H. M.	H. M.	Feet.	Feet.
Orignaux Point.....	Add 1 35	Add 1 48	17½	13
Rivière du Loup.....	" 0 56	" 0 59	16	10½
Brandy Pots.....	" 0 46	" 0 49	17	10
Tadoussac.....	" 0 32	" 0 36	17	10
Green Island.....	" 0 35	" 0 39	16	9½
Big Island.....	" 0 05	" 0 08	14	8½
FATHER POINT.....	" 0 00	" 0 00	14	8½
Little Metis.....	Sub. 0 03	Sub. 0 03	13	8
Matane.....	" 0 05	" 0 05	11	7
Point de Monts.....	" 0 08	" 0 10	12	6
Cape Châtte.....	" 0 08	" 0 10	13	8
Gaspé Basin.....	" 0 03		5	3
South-west Point, Anticosti Island.....	" 1 04	" 1 02	6	4
Capleton Point, Chaleurs Bay.....	Add 0 22	Add 0 16	8	5
Dalhousie ".....	" 0 33	" 0 27	9	6
Campbellton ".....	" 1 25		10	7

Tide Tables for Father Point.—It is evident from this that it is necessary to have tide tables for Father Point itself, in order to be able to apply these differences. Heretofore, tide tables have been prepared in manuscript and posted at the lighthouse for the information of the pilots; but these tables were computed merely by means of constant differences of time with Quebec, for high water and low water respectively, as determined by the observations secured. There was, however, a considerable variation in these differences from their average value during the course of the month; especially in the time of low water which usually varies most in estuaries. This variation is shown in the following table, in which the results are all in Standard or absolute time. The method by which the limiting values of these differences is found, to eliminate exceptional values and make them truly comparative, has been explained in a paper communicated to the Royal Society of Canada, and need not here be given as it might be considered technical.

See *Character and Progress of the Tides in the Gulf and River St. Lawrence*—Transactions of the Royal Society of Canada, vol. III, 1897.