

ELEVATION of Baie Verte Tides above extreme low water of Baie Verte, to which line the soundings of that Bay have been referred. From 11th August, 1870, to 1st June, 1871.

Year and Month.	High Water.			Low Water.		
	Maximum	Mean.	Minimum.	Maximum	Mean.	Minimum.
1870.						
August .....	9.45	8.40	6.95	3.60	2.69	1.60
September .....	9.66	8.32	6.10	4.17	2.40	1.30
October .....	11.00	8.00	5.30	4.00	2.90	1.41
November .....	10.00	8.30	6.50	4.30	3.10	1.70
December .....	11.80	8.83	7.18	5.53	3.64	2.08
1871.						
January .....	9.38	7.76	5.83	5.63	3.82	2.63
February .....	9.38	8.32	6.61	5.95	4.81	3.45
March .....	10.08	8.41	7.18	6.00	5.07	4.00
April .....	10.20	8.66	7.03	5.85	4.50	2.60
May .....	10.80	8.56	7.10	5.85	4.19	2.05
	101.75	83.56	65.78	50.93	37.12	22.82
Mean for 10 months .....	10.18	8.36	6.58	5.09	3.71	2.28
Elevation of Baie Verte Tides above ordinary low water of Spring Tides in the Bay of Fundy.						
1870.						
August .....	25.02	23.97	22.52	19.17	18.26	17.17
September .....	25.23	23.89	21.67	19.74	17.97	16.87
October .....	26.57	23.57	28.87	19.57	18.47	16.98
November .....	25.57	23.87	22.17	19.87	18.67	17.27
December .....	27.37	24.40	22.75	21.15	19.21	17.65
1871.						
January .....	24.95	23.33	21.40	21.20	19.39	18.20
February .....	24.95	23.89	22.18	21.52	20.38	19.02
March .....	25.65	23.98	22.75	21.57	20.64	19.57
April .....	25.77	24.23	22.60	21.42	20.07	18.17
May .....	26.37	24.13	22.67	21.42	19.76	17.62
	257.45	239.26	221.58	206.63	192.82	178.52
Mean for 10 months .....	25.75	23.93	22.15	20.66	19.28	17.85

N.B.—2.75 feet added to elevations above ordinary low water, Bay of Fundy, will give elevation above extreme low water of that Bay.

#### *Mud Deposits, Bay of Fundy.*

The waters of the Bay of Fundy are highly charged with mud and sand washed by the sea from the red sandstone cliffs and the banks on the borders of the bay.

During the first four hours or more of the rise of the tide, and during the last four hours of its fall, these waters contain so much sediment that they cannot be then used for a canal.

According to the tidal fluctuations observed, the Bay of Fundy waters are available for feeding a canal only when the tide is at least eighty-five feet above datum.

In the event of any lock being placed, or any channel being dredged below the level of extreme low water, provision will have to be made for the purpose of cleaning out the