(Halifax, cont.)

Mean Sea Level.—Deduced from the hourly ordinates of the tide, during four complete years of observation, as follows:—

During one year, Oct., 1895 to Oct., 1896	3.391	
,, ,, ,, January to December, 1897	3.515	
,, ,, ,, ,, ,, ,, 1898	3.512	
,, ,, ,, ,, ,, ,, 1899	3.492	
Mean value for the four years	3.478	3.48

Harmonic Tide Plane, or low-water mark at a distance, below Mean Sea Level, given by the sum of the harmonic constants $M_2 + S_2 + K_1 + O$. Mean value of this sum for the four years 1851-1852 and 1860-1861 = 2.955. Value for the year 1895-96=3.093 feet below Mean Sea Level, which in that year was 3.391. Average elevation resulting 0.41

Low Water as observed. Average level of lower Low-water at each spring tide during 1897 .. .. 0.20

Admiralty Datum, or Low-water, at ordinary spring tides, at 16.08 feet below the Bench-mark. Used as the plane of reference throughout the tidal observations since their commencement in 1895 .. .. 0.00

Level of the plane of reference used for the early tidal observations of 1851-1852 and 1860-1861. Average for the four years = 4.377 feet below Mean Sea Level; or 1.421 feet below the Harmonic Tide Plane. Mean elevation resulting, below Admiralty datum 0.96

(The height of the tide in the early tide tables was referred to this plane of reference).

Sill of the Halifax Dry Dock. Level of the granite sill of the dock, below Admiralty datum 23.49

(The depth of water on the sill of the dock at any tide, may therefore be found by adding 23.4 feet to the height of high water as given in the tide tables).