

OTHER DATUM LEVELS IN RELATION TO THE ADMIRALTY DATUM.	Above Admiralty Datum. Feet.
Bench-mark in the Dockyard, which defines the Admiralty Low-water Datum	16.08
Saxby tide of October 5, 1869. Elevation at Halifax, as de- termined in April, 1876, by Mr. E. H. Keating, City Engi- neer: 7.90 feet above the City datum	9.52
Mean Sea Level, as determined by the Tidal Survey from four years of continuous observation. (See detail given above)	3.48
Royal Engineers' datum, at 12.61 feet below the Bench-mark in the Dockyard, this being the corrected value as deter- mined by the Royal Engineers in 1902	3.47
Halifax City datum, at 1.85 feet below the Royal Engineers' datum, as determined by Mr. E. H. Keating, C.E.	1.62
Admiralty datum, and Tidal Survey datum	0.00

Yarmouth.—The best point for a permanent Bench-mark which could be found in the vicinity of the tide-gauge, was the brick chimney of the Kemptville Lumber Company, as it stands on a stone base built in cement; and as the foundation is carried down to the rock, it is not liable to settlement. The point used as a Bench-mark is the joint between the stone foundation and the brickwork, at the north-west corner.

Levels have been taken since, on two occasions, to obtain the relation between the Tidal Survey levels and the Town datum in Yarmouth; and in this endeavour the Town Engineer, Mr. E. S. Matheson, has given his co-operation. In the best comparisons that can be obtained, there is still an uncertainty of over two inches in the result however; as will be seen from the elevations referred to the Yarmouth town datum, given below. The elevations of some additional points are now given; and the slight variation in the elevation of the tide scale is also indicated. The rail level at the railway crossing at the foot of Forrest street was originally taken as 100.00, but this was found to have changed more than an inch between 1898 and 1901, and was therefore thrown out as unreliable. The levels on hydrants are here taken on top of the spindle.