

Zero of the scale of feet cut on the masonry outside the dock gate. Determined from the individual elevations of the feet in the central part of the scale, as cut. Zero below Admiralty datum 7.78

(The depth of water on the sill of the dock at any tide, may, therefore, be found by adding 7.7 feet to the height of high water as given in the tide tables).

QUEBEC.—COMPARISON OF DATUM LEVELS.

Admiralty low-water datum, at 28.00 feet below the Bench-mark, Marine and Fisheries building, Quebec, as stated on the chart of Quebec harbour.

Datum established by Mr. R. Steckel, in 1880-82, and termed "Approximate Mean Level, Atlantic Ocean." Defined by the following elevations above this datum :—

Elevation of the Admiralty Bench-mark, as above 27.04
 " " coping of the Louise Dock 24.02

(See Report by R. Steckel, C.E., on "Water Levels, River St. Lawrence," Department of Public Works, 1890-91.

Harbour Commissioners' datum. Defined as 24.00 feet below the coping of the Louise Dock. Elevation of the Admiralty Bench-mark above this datum = 27.05, as determined by Mr. St. George Boswell, Chief Engineer, Quebec Harbour Commissioners.

Royal Engineers' datum. Adopted as mean tide level in 1864, and used as the datum for their contoured plan of Quebec. Level of this datum = 7.76 feet above Mr. Steckel's datum, as determined by him from their Bench-marks.

RESULTS WITH RELATION TO THE ADMIRALTY DATUM.	Above Admiralty Datum.
Bench-mark, defining the Admiralty datum	28.00
Royal Engineers' datum, being their determination for Mean Sea Level at Quebec	8.72
Mean Sea Level, as determined from six years' continuous observation by the Tidal Survey, at the Lévis Dry Dock	8.58
R. Steckel's datum, 27.04 feet below the Admiralty Bench-mark	0.96