

WGS 84 POSITIONS can be plotted directly on this chart

RIVER HUMBER OLD HARBOUR TO BARTON HAVEN

ANNUAL 2019
DEPTHS IN METRES
SCALE 1 : 10000

SURVEYED BY
Harbour Master, Humber
ASSOCIATED BRITISH PORTS

Surveyed 26th February to 27th June 2019

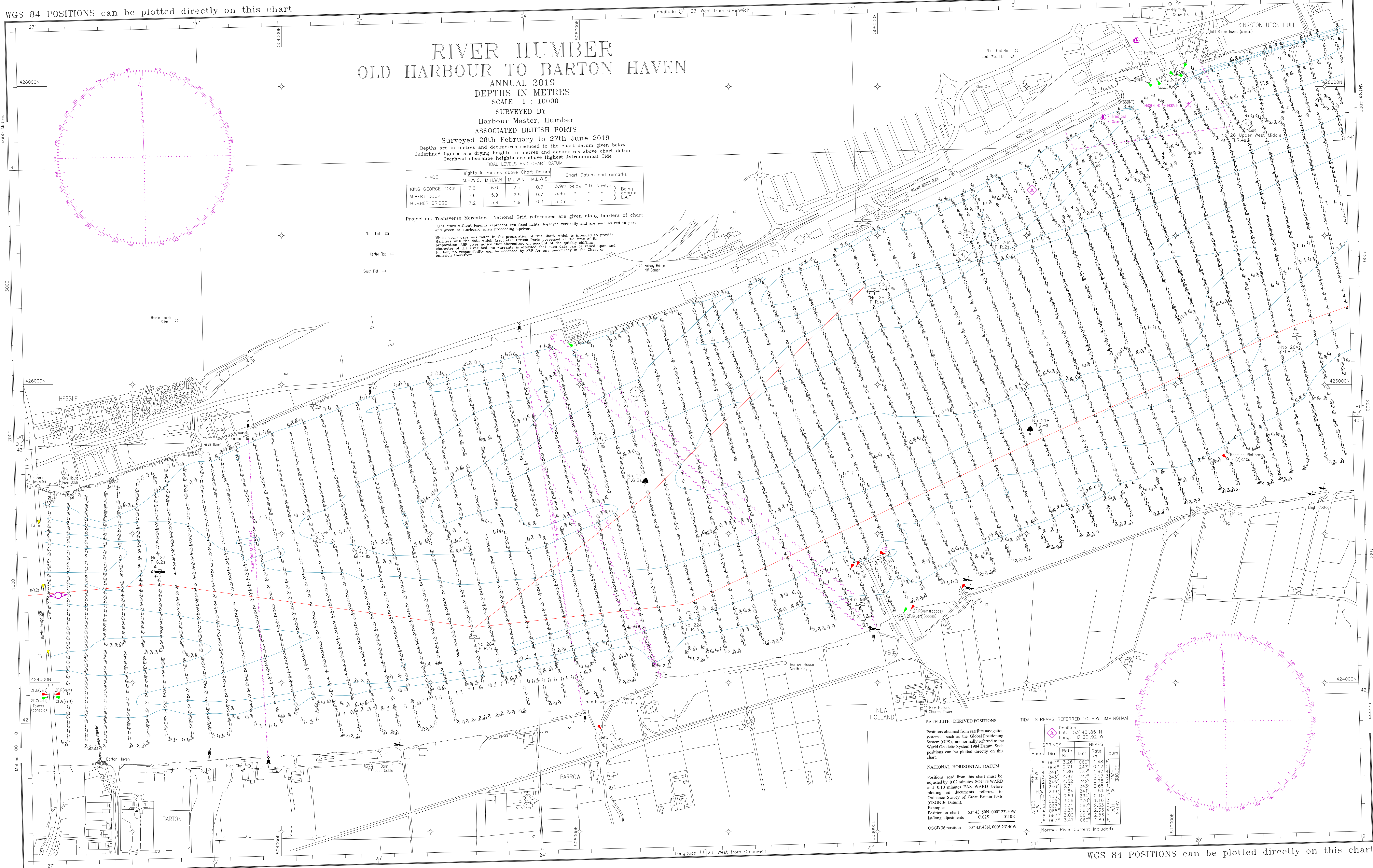
Depths are in metres and decimetres reduced to the chart datum given below
Underlined figures are drying heights in metres and decimetres above chart datum
Overhead clearance heights are above Highest Astronomical Tide

PLACE	Heights in metres above Chart Datum				Chart Datum and remarks
	M.H.W.S.	M.H.W.N.	M.L.W.N.	M.L.W.S.	
KING GEORGE DOCK	7.6	6.0	2.5	0.7	3.9m below O.D. Newlyn
ALBERT DOCK	7.6	5.9	2.5	0.7	3.9m - - -
HUMBER BRIDGE	7.2	5.4	1.9	0.3	3.3m - - -

Projection: Transverse Mercator. National Grid references are given along borders of chart
Light stars without legends represent two fixed lights displayed vertically and are seen as red to port and green to starboard when proceeding upriver.

Whilst every care was taken in the preparation of this Chart, which is intended to provide Mariners with the data which Associated British Ports possessed at the time of its preparation, ABP gives notice that it neither, on account of the quickly shifting character of the river bed, nor warranty is afforded that such data can be relied upon and further, no responsibility can be accepted by ABP for any inaccuracy in the Chart or omission therefrom.

- North Flat □
- Centre Flat □
- South Flat □



SATELLITE - DERIVED POSITIONS

Positions obtained from satellite navigation systems, such as the Global Positioning System (GPS), are normally referred to the World Geodetic System 1984 Datum. Such positions can be plotted directly on this chart.

NATIONAL HORIZONTAL DATUM

Positions read from this chart must be adjusted by 0.02 minutes SOUTHWARD and 0.10 minutes EASTWARD before plotting on documents referred to Ordnance Survey of Great Britain 1936 (OSGB 36 Datum).
Example:
Position on chart 53° 43' 50N, 000° 23' 50W
lat/long adjustments 0.02S 0.10E
OSGB 36 position 53° 43' 48N, 000° 23' 40W

TIDAL STREAMS REFERRED TO H.W. IMMINGHAM

BEFORE	SPRINGS		NEAPS		AFTER
	Hours	Dirn	Rate	Dirn	
6	06.3	3.26	06.0	1.48	6
4	06.4	2.71	24.3	0.12	4
2	24.1	2.80	23.7	1.97	2
0	24.3	4.97	24.3	3.17	0
2	24.5	4.52	24.2	3.78	2
4	24.0	3.71	24.3	2.68	4
6	23.9	1.84	24.1	1.51	6
8	10.3	0.69	23.4	0.10	8
10	06.8	3.06	07.0	1.16	10
12	06.7	3.31	06.2	2.33	12
14	06.6	3.37	06.5	2.55	14
16	06.5	3.09	06.1	2.86	16
18	06.3	3.47	06.0	1.89	18

(Normal River Current Included)

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