

WGS 84 POSITIONS can be plotted directly on this chart

RIVER HUMBER Spurn Head to Grimsby

ANNUAL SURVEY 2016 to 2018

DEPTHS IN METRES
SCALE 1 : 12 500

SURVEYED BY
Harbour Master, Humber
ASSOCIATED BRITISH PORTS

17th May 2016 to 23rd August 2018

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
Overlined figures are above Highest Astronomical Tide

TIDAL LEVEL AND CHART DATUM

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.	
SPURN	6.9	5.5	2.7	1.2	3.9m below O.D. Newlyn
GRIMSBY	7.1	5.7	2.6	1.1	3.9m - - - - - Being approx. LAT.

Projection :- Transverse Mercator. National Grid references are given along borders of chart.

Light stars without legends represent day lights displayed vertically and are used as red to port and green to starboard when proceeding down river.

Light stars with legends represent day lights displayed horizontally and are used to provide bearings with the true or magnetic bearing of the object of the survey. The accuracy of the day light bearing is dependent on the accuracy of the day light bearing and the accuracy of the day light bearing.

Name	Geographical Position	Position Lat. 53° 37' 00" N	Position Long. 0° 02' 30" W	Name	Geographical Position	Position Lat. 53° 37' 00" N	Position Long. 0° 02' 30" W
Spurn Head	53° 37' 00" N	0° 02' 30" W	Spurn Head	53° 37' 00" N	0° 02' 30" W	Spurn Head	53° 37' 00" N
Grimsby	53° 37' 00" N	0° 02' 30" W	Grimsby	53° 37' 00" N	0° 02' 30" W	Grimsby	53° 37' 00" N



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 metres SOUTHWARD and 0.10 metres EASTWARD before plotting on documents referred to the Ordnance Survey of Great Britain 1936 (OSGB 36 Datum).
Example:
Position on chart 53° 37' 56N, 00° 01' 50E
OSGB 36 position 53° 37' 48N, 00° 01' 46E

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