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WGS 84 POSITIONS can be plotted directly on this chart

RIVER HUMBER
Spurn Head to Grimsby

ANNUAL SURVEY 2020

DEPTHS IN METRES

SCALE 1 : 12 500

SURVEYED BY

Harbour Master, Humber
ASSOCIATED BRITISH PORTS
19th February 2019 – 26th May 2022

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

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 } Being approx. L.A.T.
GRIMSBY	7.1	5.7	2.6	1.1	3.9m " " "

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, it must be borne in mind that, on account of the quickly shifting character of the river bed, no warranty is attached that such data can be relied upon and, therefore, no responsibility can be accepted by ABP for any inaccuracy in the Chart or omission therefrom.

Hours	Geographical Position				Position Lat. 53°37'.00 N Long. 0°.02'.27 W				Position Lat. 53°.36'.59 N Long. 0°.00'.95 E				Hours
HW Height above CD (Metres)	Rate of Stream (Kn.)	Springs Spring Rates (Onyeres)	Direction of Streams (Degrees)	Rate of Neap Tides (Knots)									
7.0	3.3	3.4	270	1.2	105	1.4	318	0.6	100	0.9			
6.5	3.0	3.1	269	1.1	281	1.2	288	1.1	283	0.4	5.5	5.5	
6.0	2.7	2.8	264	0.8	277	2.8	284	0.8	286	2.7	281	1.1	5.4
5.5	2.4	2.5	265	1.1	278	3.5	285	1.1	294	3.1	295	1.9	5.3
5.0	2.1	2.2	270	1.2	278	3.4	270	1.2	308	2.7	300	1.4	5.2
4.5	1.8	1.9	270	0.2	282	2.4	248	0.2	345	2.4	281	0.9	5.1
4.0	1.5	1.6	127	0.8	286	1.8	127	0.8	345	0.8	281	0.5	H.W.
3.5	1.2	1.3	107	1.5	081	0.9	107	1.5	090	0.9			5.1
3.0	0.9	1.0	107	1.6	081	2.5	107	1.6	116	2.8	132	0.8	5.2
2.5	0.6	0.7	099	1.2	099	3.1	099	1.2	113	3.0	123	1.6	5.3
2.0	0.3	0.4	096	1.8	094	2.5	096	1.8	112	2.3	120	1.7	5.4
1.5	0.2	0.2	097	1.2	106	1.6	097	1.2	109	0.9	125	1.1	5.5

TIDAL STREAMS REFERRED TO H.W. IMMINGHAM

(Normal River Current Included)

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 elements referred to Ordnance Survey of Great Britain 1936 (OSGB 36 Datum). Example:

Position on chart	53° 37'.50N, 000° 05'.50E	
lat/long adjustments	0'.02S	0'.10E
OSGB 36 position	53° 37'.48N, 000° 05'.60E	

Spurn2Grim

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