PORT OF LONDON AUTHORITY

River Thames
SEA REACH
CANVEY ISLAND & SOUTHEND-ON-SEA

DEPTHS in METRES

SCALE 1: 12,500 at A0

Surveyed by the Port of London Authority Hydrographic Service

August 2011- November 2012 March 2020 - Apri 2021

DEPTHS
Depths are in metres and are reduced to Chart Datum which is approximately the level of Lowest Astronomical Tide.

HEIGHTS
Heights are in metres. Underlined figures are drying heights above Chart Datum; all other heights are above MHWS.

POSITIONS
Positions are referred to the Ordnance Survey of Great Britain (1936) Datum.

CONVERGENCE
True North is 2° 05' West of Grid North at 584750mE.

AUTHORISED CHANNEL
The pecked lines indicate the limits of the authorised channel.

DISTANCES
Distances from London Bridge are shown along the N channel edge in Sea Miles against this symbol ⊙.

ANCHORING
Anchoring is prohibited in the fairway and within 60 metres of any tunnel under the river, except in an emergency.

LADDERS
Usable ladders allowing access to/from the river at certain states of the tide are shown thus ▲.

LIGHTS ON JETTIES
Light stars without legends represent two fixed lights displayed vertically. They are seen as red to port and green to starboard when proceeding upriver.

LATEST INFORMATION
The Yantlet Dredged Channel is resurveyed periodically. For the latest information consult the Port Control Centre.

FIRING PRACTICE AREA
(D146) Yantlet Demolition Range
Use of the Yantlet Demolition Range is indicated by the display of red flags or red lights. See Byelaws, Practice and Exercise Areas (PEXA) Charts, Admiralty List of Radio Signals Volume 3, Annual Notice to Mariners No 5 and Admiralty Sailing Directions (NP28).

TOPOGRAPHY
The shore features on this chart are based largely on Ordnance Survey digital map data with the permission of the Controller of His Majesty's Stationery Office. © Crown copyright

MOORINGS
Mooring screws are shown in their true position thus ⊙ and buoys shown as symbols.
Buoy numbers shown (20) are PLA references.

PLA REFERENCES
The numbers shown on the shore and in parentheses in the river adjacent to moorings refer to PLA licences.

PLA PUBLICATIONS
Refer to PLA Publications for further information:
1. PLA River Byelaws
2. General Directions for Navigation
3. PLA Tide Tables & Port Information
4. The River Thames Recreational User Guide
5. Mariner's Guide to Bridges on the Tidal Thames

PLA HYDROGRAPHIC SERVICE WEBSITE
www.pla.co.uk/hydrohomepage

Depths & Contours in Grey 2014, Black 2020-2021

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Tide Details, referred to levels at: Southend

	Ordnance Datum	Chart Datum
Highest Recorded High Water	4.61	7.51 (1953)
Highest Astronomical Tide (HAT)	3.42	6.32
Mean High Water Springs	2.98	5.88
Mean High Water	2.44	5.34
Mean High Water Neaps	1.89	4.79
Mean Sea Level (Newlyn)	.....	2.70
Mean Low Water Neaps	-1.48	1.42
Mean Low Water Springs	-2.34	0.56
Chart Datum	-2.90	.....
Lowest Recorded Low Water	-3.70	-0.80 (1920)

Metres 100 0 500 1000 1500 2000 2500 3000
Nautical Miles 0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 M 1.5 2 M