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
Useable 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.
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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

Port of London Authority Hydrographic Service
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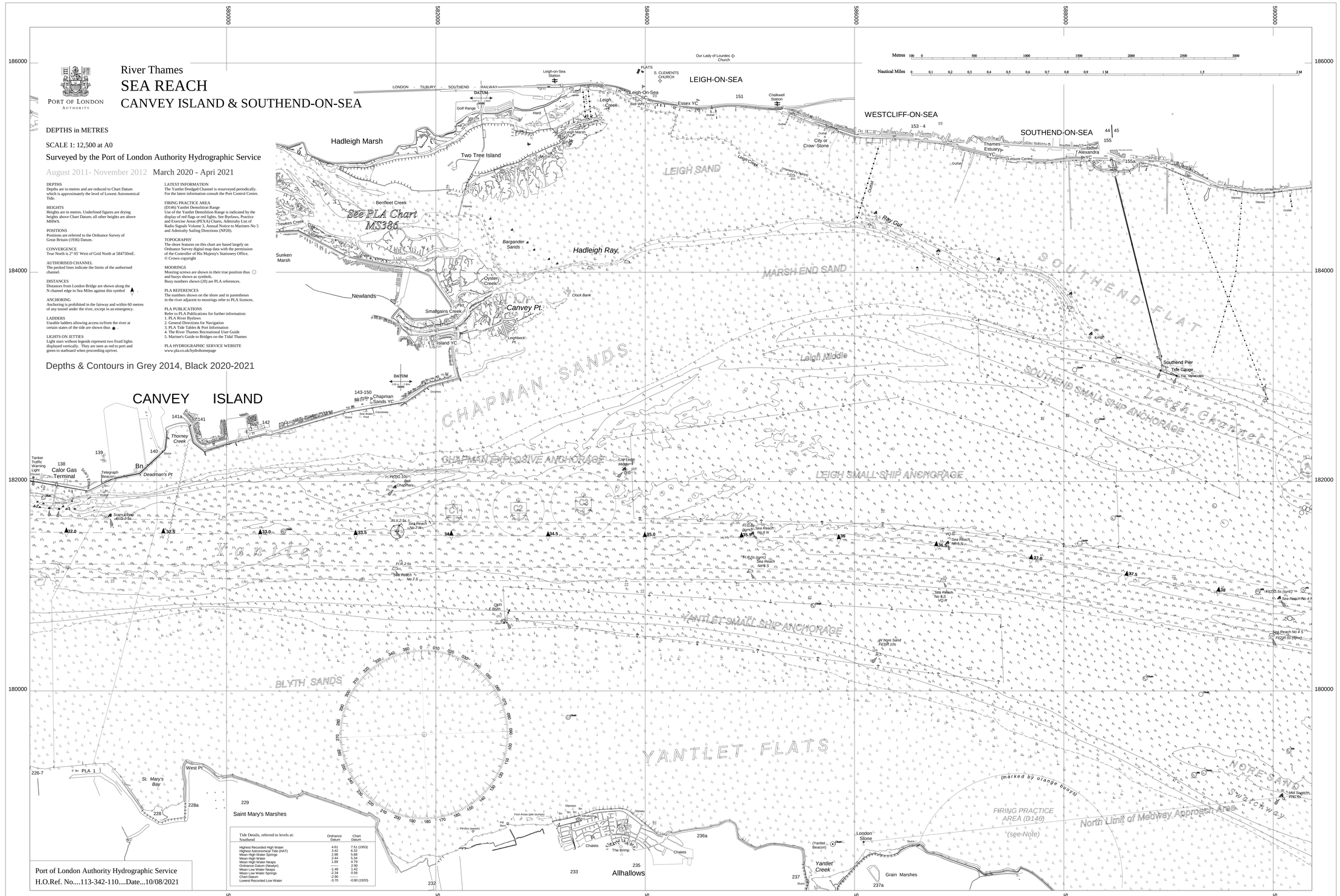
Tide Details, referred to levels at: Southend	Ordnance Datum	Chart Datum
Highest Recorded High Water	4.61	7.51 (1953)
Highest Astronomical Tide (HAT)	3.42	6.32
Mean High Water Springs	2.98	5.88
Mean High Water	2.68	5.58
Mean High Water Neaps	1.89	4.79
Ordnance Datum (Newlyn)	----	2.90
Mean Low Water 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
Nautical Miles
LEIGH-ON-SEA
WESTCLIFF-ON-SEA
SOUTHEND-ON-SEA
CANVEY ISLAND
Hadleigh Marsh
Two Tree Island
See PLA Chart MS386
Hadleigh Ray
Canvey Pt.
Chapman Sands
LEIGH SAND
MARSH END SAND
SOUTHEND FLAT
SOUTHEND SMALL SHIP ANCHORAGE
LEIGH SMALL SHIP ANCHORAGE
CHAPMAN EXPLOSIVE ANCHORAGE
YANTLET SMALL SHIP ANCHORAGE
BLYTH SANDS
YANTLET FLATS
NORE SAND
FIRING PRACTICE AREA (D146)
*(see Note)
North Limit of Medway Approach Area
Southend Pier
Tide Gauge
Allhallows
Saint Mary's Marshes
Grain Marshes
Yantlet Creek
Calor Gas Terminal
Deadman's Pt
Thorney Creek
Leigh Middle
Leigh Creek
Benfleet Creek
Newlands
Sunken Marsh
Oyster Creek
Smallgains Creek
Island YC
Chapman Sands YC
Essex YC
Thames Estuary YC
Alexandra YC
Leisure Centre
City or Crow Stone
Chalkwell Station
Leigh-on-Sea Station
Our Lady of Lourdes Church
S. CLEMENTS CHURCH
LONDON - TILBURY - SOUTHEND - RAILWAY
Golf Range
Hard
Ray Gut
Bargander Sands
Clock Bank
Knighbeck Pt.
St. Mary's Bay
West Pt
PLA 1
Chalets
The Brimp
London Stone
(Yantlet Beacon)
(marked by orange buoys)
Switchway
Mid Swatchway
Tanker Traffic Warning Light
Telegraph Beacon
Scars Edge
Sea Reach No.7 S
Sea Reach No.7 N
Sea Reach No.6 N
Sea Reach No.6 S
Sea Reach No.5 N
Sea Reach No.5 S
Sea Reach No.4 S
Sea Reach No.4 N
Sea Reach No.1 S
Sea Reach No.1 N
Sea Reach No.2 S
Sea Reach No.2 N
Sea Reach No.3 S
Sea Reach No.3 N
Sea Reach No.8 S
Sea Reach No.8 N
Sea Reach No.9 S
Sea Reach No.9 N
Sea Reach No.10 S
Sea Reach No.10 N
Sea Reach No.11 S
Sea Reach No.11 N
Sea Reach No.12 S
Sea Reach No.12 N
Sea Reach