

Port of Southampton Passage Planning Depths

Date of Issue 17th October 2025

Latest Passage Planning Depth (PPD) shown Red or Green

Advertised Design Depths (ADD) shown in Blue, also see the current Port of Southampton Tide Tables

Dredge Area	PPD	ADD	Current Survey	Comments
Western Docks				
101 Berth Step	3.0	4.1	2025_H019	Not maintained
101 Berth	10.4	10.5	2025_H030	iso 10.3m
102/3 Berths	10.4	10.5	2025_H030	iso 10.3m
104 Berth	10.4	10.5	2025_H030	
105 Berth	11.7	11.7	2025_H030	
106 Berth	11.7	11.7	2025_H030	
107 Berth	11.3	11.7	2025_H030	iso 11.2m
108/109 Berth	10.2	11.7	2025_H030	
109 Berth Step	2.8	5.5	2025_H030	shoaling towards quay
King George V Dock	9.6	9.8	2025_H030	
110 Berth	7.5	10.2	2025_H030	shoaling in NW corner 6.4m
SCT 5	16.2	16.5	2025_H030	
203 Berth	8.3	9.1	2025_H030	shoaling along quay eastern end to 7.8m
SCT 4	13.5	13.6	2025_H030	
SCT 3	14.0	14.0	2025_H030	
SCT 2	14.6	15.1	2025_H030	
SCT 1	14.8	15.1	2025_H030	
SCT 1 Tug Shelf	5.5	6.0	2025_H030	Shoaling in West Corner 5.4m

Navigable depths have been assessed by the Port Hydrographer, based on acoustic (echo sounder) measurements and other information such as sweeping with the plough vessel. [Any soundings depicted on the current survey chart of less than the passage planning depth are considered to be due to very light material (e.g. fluid mud) and will not be felt as "Hard Bottom"]. The Vessel Master and Pilot must allow for any effects on ship handling.

THIS INFORMATION MUST BE USED IN CONJUNCTION WITH THE APPROPRIATE SURVEY CHART

Port of Southampton Passage Planning Depths

Date of Issue 17th October 2025

Latest Passage Planning Depth (PPD) shown Red or Green

Advertised Design Depths (ADD) shown in Blue, also see the current Port of Southampton Tide Tables

Dredge Area	PPD	ADD	Current Survey	Comments
Eastern Docks				
20 Berth	6.1	7.5	2025_H030	Less than 5m inside gut off bollards 1 - 2
21 Berth	6.6	7.5	2025_H030	Shoaling to 3.3m on fuel berth
22 Berth	6.8	6.8	2025_H030	
23 Berth	6.8	6.8	2025_H030	iso 6.7m quay wall damage south of berth/ex DD inset
24 Berth	7.1	7.1	2025_H030	
25 Berth	7.1	7.1	2025_H030	
26 Berth	7.1	7.1	2025_H030	
27 Berth	7.1	7.1	2025_H030	
29 Berth	5.2	5.8	2025_H030	shoaling beyond old linkspan bridge pad & to E
31/32 Berth	9.1	9.1	2025_H030	iso 8.9m nr bol 11
33 Berth	9.1	9.1	2025_H030	
34 Berth	9.6	9.9	2025_H030	
35 Berth	9.6	9.9	2025_H030	
36 Berth	9.6	9.9	2025_H030	iso 9.8m bol 21-22
37 Berth	7.8	7.8	2025_H030	iso 7.4m
38 Berth	10.5	10.5	2025_H030	iso 10.4
39 Berth	10.5	10.5	2025_H030	iso 10.4 near quay
40 Berth	9.3	9.3	2025_H030	iso 8.8m bollard 26
41 Berth	8.6	8.7	2025_H030	
43 Berth	11.1	11.7	2025_H030	
44 Berth	11.4	11.7	2025_H030	
45 Berth	10.1	10.2	2025_H030	shoaling to 9m at north end
46 Berth	10.3	10.5	2025_H030	shoaling to 9.5m at north end, bol 26
47 Berth	11.5	11.7	2025_H030	iso 11.6m, shoaling on pocket edges
48 Berth	6.7	7.1	2025_H030	approaches iso 6.8m
49 Berth	7.1	7.1	2025_H019	approaches iso 6.8m
50 Berth	1.9	4.2	2025_H019	shoaling to 1.2m from Bollard 2 northwards
Ocean Dock	10.5	10.5	2025_H030	iso 10.4m off 44 pocket & shoaling to 7.3m in N corner
App Ocean Dock	10.5	10.5	2025_H030	iso 10.2m NW of entrance
Lower Itchen Above Empress	9.1	9.1	2025_H030	shoaling to east of channel, to 8.9m
Empress Dock	7.8	7.8	2025_H030	
Lower Itchen Below Empress	9.1	9.1	2025_H030	Eastern approaches isolated shoals 8.9m
Itchen Bridge Approach	3.0	3.0	2025_H001	Least depth along track to Itchen Bridge

Navigable depths have been assessed by the Port Hydrographer, based on acoustic (echo sounder) measurements and other information such as sweeping with the plough vessel. [Any soundings depicted on the current survey chart of less than the passage planning depth are considered to be due to very light material (e.g. fluid mud) and will not be felt as "Hard Bottom"]. The Vessel Master and Pilot must allow for any effects on ship handling.

THIS INFORMATION MUST BE USED IN CONJUNCTION WITH THE APPROPRIATE SURVEY CHART

Port of Southampton Passage Planning Depths

Date of Issue 17th October 2025

Latest Passage Planning Depth (PPD) shown Red or Green

Advertised Design Depths (ADD) shown in Blue, also see the current Port of Southampton Tide Tables

Dredge Area	PPD	ADD	Current Survey	Comments
Other Areas				
Marchwood Wharf	3.2	4.0	2025_H001	
Cracknore Jetty (ex. Husbands	3.2	4.2	2021_H053	
SGL Mulberry Jetty (No.1-2)	3.6	4.9	2025_H030	
SGL Falkland Jetty (No.3)	10	11	2025_H030	
SGL Falkland Jetty (No.4)	8.1	8.5	2025_H030	Shoaling across berth and approach iso 7.9m
SGL Gun Wharf Jetty (No.5)	4.4	4.9	2025_H030	
SGL Gun Wharf Jetty (No.6)	2.7	3.0	2025_H030	
Princes Wharf	1.6	2.0	2025_H023	1.6m shoal and obstruction
Saxon Wharf	2.5	2.5	2022_H022	
Dibles Wharf	1.9	2.2	2024_H030	
Dibles Gut	1.3	2.0	2022_H022	
Crown & Leamouth Wharves	2.7	3.0	2025_H021	shoaling south end towards Britannia Wharf.
Britannia Wharf	2.0	2.2	2025_H021	shoaling alongside quay 0.9m
Phoenix Wharf	2.4	2.4	2025_H021	shoaling north and south quay.
Burnley Wharf	1.6	2.0	2025_H021	shoaling 1.6m
Centenary Wharf (North)	6.3	6.3	2019_H071	
Solent Refit Approaches	6.7	6.7	2019_H072	
BP Hamble	13.6	13.6	2025_H030	shoaling in northwestern edge of berth
BP Hamble Approaches	11.2	11.2	2025_H030	shoaling in northwest of approach
FMT 1	9.5	10.2	2025_H029	
FMT 1 Approaches	10.2	10.2	2025_H029	
FMT 2	11.4	12.6	2025_H029	
FMT 2 Approaches	10.2	10.2	2025_H029	
FMT 3	12.3	12.6	2025_H029	
FMT 3 Approaches	12.6	12.6	2025_H029	
FMT 4	14.4	14.9	2025_H029	
FMT 4 Approaches	13.2	13.2	2025_H029	
FMT 5	14.6	14.9	2025_H029	
FMT 5 Approaches	13.2	13.2	2025_H029	
FMT 6	5.4	5.6	2025_H029	
FMT 7	5.4	5.6	2025_H029	
FMT 8	5.4	5.6	2025_H029	
FMT 9	6.4	6.6	2025_H029	
FMT Coastal Approach (6-9)	5.4	5.6	2025_H029	<u>iso 5.4 patches shoaling to southwest beyond 8</u>
Fawley Power Station	1.4	2.4	2020_H020	shoaling within basin to 0.8m and -0.6m north quay
Solent Refit Approaches	1.4	1.4		

Navigable depths have been assessed by the Port Hydrographer, based on acoustic (echo sounder) measurements and other information such as sweeping with the plough vessel. [Any soundings depicted on the current survey chart of less than the passage planning depth are considered to be due to very light material (e.g. fluid mud) and will not be felt as "Hard Bottom"]. The Vessel Master and Pilot must allow for any effects on ship handling.

THIS INFORMATION MUST BE USED IN CONJUNCTION WITH THE APPROPRIATE SURVEY CHART

Port of Southampton Passage Planning Depths

Date of Issue 17th October 2025

Latest Passage Planning Depth (PPD) shown Red or Green

Advertised Design Depths (ADD) shown in Blue, also see the current Port of Southampton Tide Tables

Channel	Dredge Area	PPD	ADD	Current Survey	Comments
Eling Channel		0.8	-0.8	2021_H051	
Soton Container Terminal		13.0	13.0	2025_H030	12.9m nr SCT5, shoaling to 12.6m nr tug shelf
Bury Swinging Ground		9.5	10	2025_H030	Shoaling
Bury Reach		13.0	13.0	2025_H030	shoaling on channel edges
Upper Swinging Ground		13.2	13.2	2025_H030	
Western Docks		13.2	13.2	2025_H030	shoaling to 12.5m on channel edges nr berth pockets
Marchwood Channel		2.0	3.0	2025_H001	
Middle Swinging Ground		13.2	13.2	2025_H030	iso 12.8m remining from ploughing
Middle Swinging Ground Ext		13.2	13.2	2025_H030	
Junction Channel		13.2	13.2	2025_H030	shoaling on channel edges
Lower Swinging Ground MC		13.2	13.2	2025_H030	iso 13m
Lower Swinging Ground Itchen		9.9	10.2	2025_H030	shoaling eastern edges iso 9.8m
NW Netley to Dock Head		13.2	13.2	2025_H030	iso 12.9m SE of test 50°52'27.37"N, 1°23'09.27"W (OSGB36)
Greenland to Hound		13.2	13.2	2025_H030	shoaling to 12.8m on channel edges
Natural Deep		13.2	13.2	2025_H030	Pipeline not maintained 12.4m, iso 13m south of pipeline
Hook to Fawley Reach		13.6	13.6	2025_H030	iso 12.8m ivo Fawley Deep, iso 12.3m shoals S of Esso 5
Calshot Turn Outer		12.2	12.6	2025_H030	shoaling on E side at North Chn entrance
North Thorn to Hook		13.6	13.6	2025_H030	shoaling see chart
North Channel		4.2	4.2	2024_H022	Shoaling on channel edges. Iso 3.8m
South Bramble		13.6	13.6	2024_H028	iso 13.4m centre channel and 12.8m channel edges
Nab Channel		14.4	14.4	2025_H019	iso 14.1m Western side of channel
Prince Consort shoals				2024_H014	see chart - 11.4m 115m NNW of PC buoy 8.7m shoal 64m W of PC buoy

Water Density Measurements

Measured from surface samples at the locations and dates detailed below

2021 Monthly Averages	SCT	USG	MSG	JC	DH	SW	Calshot	Central Solent
January	1021.549	1022.51	1020.913	1021.452	1021.405	1023.747	1024.93	1025.156
February	1020.826	1022.288	1021.553	1021.452	1021.405	1022.296	1024.93	1025.671
March	1021.798	1022.763	1022.177	1022.691	1023.093	1023.386	1022.86	1025.671
April	1023.139	1023.066	1022.177	1023.815	1023.585	1025.227	1025.769	1025.671
May	1022.482	1022.925	1021.718	1022.442	1023.465	1024.291	1024.724	1025.671
June	1021.623	1022.375	1021.247	1022.216	1021.746	1022.709	1023.05	1024.21
July	1019.61	1020.924	1019.679	1021.869	1021.854	1022.276	1023.538	1023.722
August	1021.801	1022.407	1019.679	1022.208	1021.722	1022.464	1023.538	1023.827
September	1022.763	1022.69	1021.497	1022.872	1022.534	1023.089	1023.538	1023.827
October	1023.432	1022.199	1023.483	1022.087	1022.534	1023.71	1023.538	1023.827

Densities given in this report are averages of those measured over Flood, HW Stand and Ebb tidal states

Full information is available from the Port Hydrographic Office

THIS INFORMATION MUST BE USED IN CONJUNCTION WITH THE APPROPRIATE SURVEY CHART