

STATION NAME (click to view miniplot)	CRITICAL DEPTH INWARD	CRITICAL DEPTH OUTWARD	RULING DEPTH	Survey Date	TIDAL REDUCTION Estuary Co-tidal Diagram
Sunk Inner	15.9m	15.1m	16.3m	09/10/23	100% Sunk Approach
Dynamo	16.0m	15.9m	16.1m	11/06/23	77% Sunk Approach, 23% Walton
Sunk Extraction	15.2m	15.7m	15.7m	23/08/23	72% Sunk Extraction, 28% Walton
Sunk Head Tower	15.6m	16.0m	15.9m	23/08/23	65% Sunk Approach, 35% Walton
Black Deep 2 / SHM	15.6m	14.7	15.8m	23/08/23	61% Sunk Approach, 39% Walton
Trinity DWR	14.0m	14.3m	14.3m	08/10/22	100% Sunk Approach
LSH 2 Way Route	12.2m	10.3m	-----	08/10/22	100% Sunk Approach
Black Deep 3 / BDM1	16.5m	16.5m	16.5m	23/11/22	100% Walton
Black Deep 5	18.5m	18.9m	18.9m	11/10/22	54% Walton, 46% Shivering Sand
BDM2	15.6m	15.3m	16.0m	03/10/22	60% Walton, 40% Shivering Sand
Black Deep 9	16.1m	16.2m	16.3m	22/12/22	50% Walton, 50% Shivering Sand
Knock John (One way working) Secondary Channel	14m 9.2m	13.6m 11.4m	(14.2m)	25/07/23	70% Shivering Sand, 30% Walton
SE Mouse	14.9m	14.9m	14.9m		100% Shivering Sand
NE Spit Pilots		8.5m	9.5m	30/07/20	100% Margate
Fisherman's Gat	8.2m	7.6m	8.3m	28/06/23	54% Margate, 46% Walton
Princes Outer / TST	9.2m	10.4m	10.6m	07/09/23	65% Margate, 35% Shivering Sand
Princes Channel Bar / Princes 7	7.6m	5.7m / 7.3m (DWR)	7.9m	29/06/23	100% Shivering Sand
Shivering Sands	7.5m	7.6m	8.2m	25/04/23	100% Shivering Sand
Mouse	5.2m	5.4m	5.5m	22/03/22	67% Southend, 33% Walton
East Mouse	6.4m	6.7m	7.1m	23/06/22	65% Southend, 35% Walton
Whitaker					60% Shivering Sand, 40% Walton
Swin	3.4m (Wk)	3.5m (Wk)	6.0m	23/05/22	90% Shivering Sand, 10% Walton
Oaze Buoy	15.3m	16.2m	16.2m	31/08/23	64% Shivering Sand, 36% Southend
West Oaze Buoy	12.8m	14.5m	14.5m	15/06/23	50% Shivering Sand, 50% Southend
West Oaze Bar	13.7m	12.1m	14.3m	15/06/23	
Sea Reach 1	13.6m	12.1m	14.3m	19/03/23	50% Shivering Sand, 50% Southend
Sea Reach 2	14.3m	13.9m	14.3m	23/01/23	
Sea Reach 3	13.1m	13.5m	13.7m	08/09/23	80% Southend, 20% Shivering Sand
Sea Reach 5	14.2m	11.7m	14.2m	05/09/23	
Sea Reach 6	13.7m	12.1m	13.8m	05/09/23	63% Southend, 37% Coryton
Sea Reach 7	13.8m	13.1m	13.8m	05/09/23	63% Coryton, 37% Southend
Tanker Buoy	13.1m	12.7m	13.8m	24/07/23	92% Coryton, 8% Southend
London Gateway	13.9m	11.7m	14.1m	04/08/23	75% Coryton, 25% Tilbury
Lower Hope Point Shoal	8.7m	7.9m	9.4m	30/10/23	70% Coryton, 30% Tilbury
Coalhouse Shoal	7.3m	8.9m	9.3m	05/09/23	59% Tilbury, 41% Coryton
Diver Shoal	9.6m	7.9m	9.6m	14/11/23	76% Tilbury, 24% Coryton
Tilburyness Shoal	6.0m	9.7m	9.7m	30/10/23	100% Tilbury
Broadness Shoal	5.9m	4.6m	8.6m	27/09/23	100% Tilbury
Stoneness Shoal	8.3m	8.0m	8.8m	05/10/23	83% Tilbury, 17% North Woolwich
Purfleet Shoal	7.0m	8.2m	8.2m	05/10/23	67% Tilbury, 33% North Woolwich
Crayfordness Shoal	7.8m	5.1m	8.2m	30/05/23	56% Tilbury, 44% North Woolwich
Erith Shoal	6.8m	6.8m	6.8m	31/01/23	45% Tilbury, 55% North Woolwich
Coldharbour Shoal	6.3m	6.8m	6.8m	31/01/23	42% Tilbury, 58% North Woolwich
Jenningtree Shoal	6.7m	4.5m	8.3m	13/09/23	59% North Woolwich, 41% Tilbury
Fords Shoal	6.5m	6.8m	6.8m	11/07/23	66% North Woolwich, 34% Tilbury
Barking Shoal	4.7m	6.7m	6.7m	05/10/23	80% North Woolwich, 20% Tilbury
Gallions Shoal	6.0m	5.7m	5.9m	09/11/22	100% North Woolwich
Warspite Shoal	5.7m	5.2m	5.7m	03/05/23	100% North Woolwich
Hookness Shoal	3.5m	5.2m	5.3m	13/11/23	90% North Woolwich, 10% Tower
Primrose Shoal	5.3m	3.0m/4.2m	5.6m	09/06/22	
Blackwall Shoal	1.9m	1.7m/2.4m	4.8m	13/11/23	80% North Woolwich, 20% Tower
Saundersness Shoal	1.7m	4.5m	4.5m	30/03/23	60% North Woolwich, 40% Tower

NB. This list is kept up to date to inform of the **DEFAULT** depths currently entered in the Passage Planning Program.

Surveys **MUST** always be examined for the complete picture.

(Highlighted data has been updated or checked within the last 30 days)

Form updated 23/11/2023 12:45