

Last Update 28 April 2022 at 1333 hours

STATION NAME	CRITICAL DEPTH INWARD	CRITICAL DEPTH OUTWARD	RULING DEPTH	TIDAL REDUCTION
Sunk Inner	16.0m	15.2m	16.4m	100% Sunk Approach
Dynamo	15.8m	15.6m	16.5m	77% Sunk Approach, 23% Walton
Sunk Extraction	15.8m	16.4m	16.3m	72% Sunk Extraction, 28% Walton
Sunk Head Tower	15.8m	15.9m	15.9m	65% Sunk Approach, 35% Walton
Black Deep 2 / SHM	15.5m	14.9m	15.9m	61% Sunk Approach, 39% Walton
Trinity DWR	13.3m	14.0m	14.0m	100% Sunk Approach
LSH 2 Way Route	12.3m	10.7m	-----	100% Sunk Approach
Black Deep 3 / BDM1	16.5m	16.4m	16.5m	100% Walton
Black Deep 5	18.5m	18.9m	18.9m	54% Walton, 46% Shivering Sand
BDM2	15.6m	15.3m	16.0m	60% Walton, 40% Shivering Sand
Black Deep 9	16.2m	16.3m	16.3m	50% Walton, 50% Shivering Sand
Knock John (One way working)	13.9m	13.6m	14.3m	70% Shivering Sand, 30% Walton
SE Mouse	14.9m	14.9m	14.9m	100% Shivering Sand
NE Spit Pilots		8.5m	9.5m	100% Margate
Fisherman's Gat	8.3m	8.2m	8.5m	54% Margate, 46% Walton
Princes Outer / TST	9.4m	10.4m	10.7m	65% Margate, 35% Shivering Sand
Princes Channel Bar / Princes 7	7.4m	5.7m / 7.2m (DWR)	8.0m	100% Shivering Sand
Shivering Sands	7.6m	7.5m	8.2m	100% Shivering Sand
Mouse	4.7m	5.2m	5.3m	67% Southend, 33% Walton
East Mouse	6.5m	6.6m	7.2m	65% Southend, 35% Walton
Whitaker				
Swin	3.4m (Wk)	3.5m (Wk)	6.0m	
Oaze Buoy	15.3m	16.2m	16.2m	64% Shivering Sand, 36% Southend
West Oaze Bar	13.8m	12.1m	14.3m	
West Oaze Buoy	12.7m	14.5m	14.5m	50% Shivering Sand, 50% Southend
Sea Reach 1	14.3m	12.1m	14.3m	50% Shivering Sand, 50% Southend
Sea Reach 2	14.2m	14.0m	14.2m	
Sea Reach 3	13.2m	13.5m	13.8m	80% Southend, 20% Shivering Sand
Sea Reach 5	14.2m	12.0m	14.2m	
Sea Reach 6	13.7m	12.3m	14.0m	63% Southend, 37% Coryton
Sea Reach 7	13.8m	12.9m	13.9m	63% Coryton, 37% Southend
Tanker Buoy	13.6m	12.7m	13.9m	92% Coryton, 8% Southend
London Gateway	14.2m	11.9m	14.2m	75% Coryton, 25% Tilbury
Lower Hope Point Shoal	8.7m	7.8m	9.5m	70% Coryton, 30% Tilbury
Coalhouse Shoal	7.6m	9.0m	9.3m	59% Tilbury, 41% Coryton
Diver Shoal	9.5m	7.8m	9.5m	76% Tilbury, 24% Coryton
Tilburyness Shoal	6.3m	9.1m	9.1m	100% Tilbury
Broadness Shoal	6.0m	4.5m	8.6m	100% Tilbury
Stoneness Shoal	8.3m	7.9m	8.7m	83% Tilbury, 17% North Woolwich
Purfleet Shoal	7.3m	8.2m	8.2m	67% Tilbury, 33% North Woolwich
Crayfordness Shoal	7.2m	4.2m	7.2m	56% Tilbury, 44% North Woolwich
Jenningtree Shoal	6.8m	5.3m	6.8m	59% North Woolwich, 41% Tilbury
Fords Shoal	6.1m	6.8m	6.8m	66% North Woolwich, 34% Tilbury
Barking Shoal	5.2m	6.7m	6.7m	80% North Woolwich, 20% Tilbury
Gallions Shoal	5.9m	5.8m	5.9m	100% North Woolwich
Warspite Shoal	6.0m	4.9m	6.0m	100% North Woolwich
Hookness Shoal	3.8m	5.1m	5.3m	90% North Woolwich, 10% Tower
Primrose Shoal	5.4m	4.2m	5.7m	
Blackwall Shoal	2.0m	1.7m	4.3m	80% North Woolwich, 20% Tower
Saundersness Shoal	1.4m	4.5m	4.7m	60% North Woolwich, 40% Tower
Greenwich Shoal				
Limehouse Shoal				
Wapping Shoal				

N.B. This list is kept up to date to inform of the **DEFAULT** depths currently entered in the DPC's Passage Planning Program. Surveys **MUST** always be examined for the complete picture.

[Estuary Co-tidal Diagram](#)