

| STATION NAME<br>(click to<br>view miniplot)                        | CRITICAL<br>DEPTH<br>INWARD | CRITICAL DEPTH<br>OUTWARD | RULING<br>DEPTH | Survey<br>Date | TIDAL REDUCTION<br><a href="#">Estuary Co-tidal Diagram</a> |
|--|-----------------------------|---------------------------|-----------------|----------------|---|
| <a href="#">Sunk Inner</a>   | 15.9m                       | 15.1m                     | 16.3m           | 09/10/23       | 100% Sunk Approach  |
| <a href="#">Dynamo</a>   | 16.0m                       | 15.9m                     | 16.1m           | 11/06/23       | 77% Sunk Approach, 23% Walton                               |
| <a href="#">Sunk Extraction</a>                                    | 15.2m                       | 15.7m                     | 15.7m           | 23/08/23       | 72% Sunk Extraction, 28% Walton                             |
| <a href="#">Sunk Head Tower</a>                                    | 15.6m                       | 16.0m                     | 15.9m           | 23/08/23       | 65% Sunk Approach, 35% Walton                               |
| <a href="#">Black Deep 2 / SHM</a>                                 | 15.6m                       | 14.7                      | 15.8m           | 23/08/23       | 61% Sunk Approach, 39% Walton                               |
| <a href="#">Trinity DWR</a>  | 14.0m                       | 14.4m                     | 14.4m           | 04/04/24       | 100% Sunk Approach  |
| <a href="#">LSH 2 Way Route</a>                                    | 11.8m                       | 10.6m                     | -----           | 04/04/24       | 100% Sunk Approach  |
| <a href="#">Black Deep 3 / BDM1</a>                                | 16.5m                       | 16.5m                     | 16.5m           | 23/11/22       | 100% Walton   |
| <a href="#">Black Deep 5</a>                                       | 18.5m                       | 18.9m                     | 18.9m           | 11/10/22       | 54% Walton, 46% Shivering Sand                              |
| <a href="#">BDM2</a>   | 15.7m                       | 15.3m                     | 16.0m           | 15/02/24       | 60% Walton, 40% Shivering Sand                              |
| <a href="#">Black Deep 9</a>                                       | 16.1m                       | 16.2m                     | 16.3m           | 22/12/22       | 50% Walton, 50% Shivering Sand                              |
| <a href="#">Knock John (One way working)<br/>Secondary Channel</a> | 14m<br>9.1m                 | 13.4m<br>11.4m            | (14.2m)         | 27/02/24       | 70% Shivering Sand, 30% Walton                              |
| <a href="#">SE Mouse</a>   | 14.9m                       | 14.9m                     | 14.9m           |                | 100% Shivering Sand   |
| <a href="#">NE Spit Pilots</a>                                     |                             | 8.5m                      | 9.5m            | 30/07/20       | 100% Margate  |
| <a href="#">Fisherman's Gat</a>                                    | 8.2m                        | 8.0m                      | 8.4m            | 11/04/24       | 54% Margate, 46% Walton                                     |
| <a href="#">Princes Outer / TST</a>                                | 9.2m                        | 10.4m                     | 10.6m           | 07/09/23       | 65% Margate, 35% Shivering Sand                             |
| <a href="#">Princes Channel Bar / Princes 7</a>                    | 7.5m                        | 5.7m / 7.2m<br>(DWR)      | 8.2m            | 26/03/24       | 100% Shivering Sand   |
| <a href="#">Shivering Sands</a>                                    | 7.5m                        | 7.6m                      | 8.3m            | 15/12/23       | 100% Shivering Sand   |
| <a href="#">Mouse</a>  | 5.1m                        | 5.3m                      | 5.4m            | 15/12/23       | 67% Southend, 33% Walton                                    |
| <a href="#">East Mouse</a>   | 6.4m                        | 6.7m                      | 7.1m            | 23/06/22       | 65% Southend, 35% Walton                                    |
| <a href="#">Whitaker</a>   | 3.0m                        | 3.0m                      | 3.1m            | 15/12/23       | 60% Shivering Sand, 40% Walton                              |
| <a href="#">Swin</a>   | 3.4m (Wk)                   | 3.5m (Wk)                 | 6.0m            | 23/05/22       | 90% Shivering Sand, 10% Walton                              |
| <a href="#">Oaze Buoy</a>  | 15.3m                       | 16.2m                     | 16.2m           | 31/08/23       | 64% Shivering Sand, 36% Southend                            |
| <a href="#">West Oaze Buoy</a>                                     | 12.7m                       | 14.5m                     | 14.5m           | 28/11/23       | 50% Shivering Sand, 50% Southend                            |
| <a href="#">West Oaze Bar</a>                                      | 13.7m                       | 12.0m                     | 14.3m           | 28/11/23       |   |
| <a href="#">Sea Reach 1</a>  | 13.6m                       | 12.1m                     | 14.3m           | 28/11/23       | 50% Shivering Sand, 50% Southend                            |
| <a href="#">Sea Reach 2</a>  | 14.3m                       | 13.9m                     | 14.3m           | 28/11/23       |   |
| <a href="#">Sea Reach 3</a>  | 13.2m                       | 13.5m                     | 13.8m           | 03/04/24       | 80% Southend, 20% Shivering Sand                            |
| <a href="#">Sea Reach 5</a>  | 14.5m                       | 11.8m                     | 14.5m           | 18/03/24       |   |
| <a href="#">Sea Reach 6</a>  | 13.8m                       | 12.3m                     | 13.9m           | 18/03/24       | 63% Southend, 37% Coryton                                   |
| <a href="#">Sea Reach 7</a>  | 13.8m                       | 13.1m                     | 14.0m           | 18/03/24       | 63% Coryton, 37% Southend                                   |
| <a href="#">Tanker Buoy</a>  | 13.5m                       | 12.3m                     | 13.9m           | 11/01/24       | 92% Coryton, 8% Southend                                    |
| <a href="#">London Gateway</a>                                     | 14m                         | 12m                       | 14.2m           | 30/01/24       | 75% Coryton, 25% Tilbury                                    |
| <a href="#">Lower Hope Point Shoal</a>                             | 8.7m                        | 7.9m                      | 9.4m            | 30/10/23       | 70% Coryton, 30% Tilbury                                    |
| <a href="#">Coalhouse Shoal</a>                                    | 7.2m                        | 8.8m                      | 9.3m            | 21/02/24       | 59% Tilbury, 41% Coryton                                    |
| <a href="#">Diver Shoal</a>  | 9.5m                        | 8.1m                      | 9.5m            | 28/02/24       | 76% Tilbury, 24% Coryton                                    |
| <a href="#">Tilburyness Shoal</a>                                  | 5.9m                        | 9.7m                      | 9.7m            | 02/04/24       | 100% Tilbury  |
| <a href="#">Broadness Shoal</a>                                    | 5.9m                        | 5.0m                      | 8.6m            | 08/04/24       | 100% Tilbury  |
| <a href="#">Stoneness Shoal</a>                                    | 8.3m                        | 8.0m                      | 8.8m            | 05/10/23       | 83% Tilbury, 17% North Woolwich                             |
| <a href="#">Purfleet Shoal</a>                                     | 7.3m                        | 8.8m                      | 8.8m            | 27/03/24       | 67% Tilbury, 33% North Woolwich                             |
| <a href="#">Crayfordness Shoal</a>                                 | 7.8m                        | 5.2m                      | 8.2m            | 16/01/24       | 56% Tilbury, 44% North Woolwich                             |
| <a href="#">Erith Shoal</a>  | 6.8m                        | 6.1                       | 6.8m            | 08/01/24       | 45% Tilbury, 55% North Woolwich                             |
| <a href="#">Coldharbour Shoal</a>                                  | 6.5m                        | 6.8m                      | 6.8m            | 08/01/24       | 42% Tilbury, 58% North Woolwich                             |
| <a href="#">Jenningtree Shoal</a>                                  | 6.7m                        | 5.6m                      | 8.3m            | 08/01/24       | 59% North Woolwich, 41% Tilbury                             |
| <a href="#">Fords Shoal</a>  | 6.5m                        | 6.8m                      | 6.8m            | 11/07/23       | 66% North Woolwich, 34% Tilbury                             |
| <a href="#">Barking Shoal</a>                                      | 4.7m                        | 6.7m                      | 6.7m            | 05/10/23       | 80% North Woolwich, 20% Tilbury                             |
| <a href="#">Gallions Shoal</a>                                     | 6.0m                        | 5.7m                      | 5.9m            | 09/11/22       | 100% North Woolwich   |
| <a href="#">Warspite Shoal</a>                                     | 5.7m                        | 5.2m                      | 5.7m            | 03/05/23       | 100% North Woolwich   |
| <a href="#">Hookness Shoal</a>                                     | 3.6m                        | 4.7m                      | 4.7m            | 07/02/24       | 90% North Woolwich, 10% Tower                               |
| <a href="#">Primrose Shoal</a>                                     | 5.3m                        | 2.9m/4.2m                 | 5.5m            | 10/01/24       | 85% North Woolwich, 15% Tower                               |
| <a href="#">Blackwall Shoal</a>                                    | 1.9m                        | 2.2m/2.4m                 | 4.8m            | 10/01/24       | 80% North Woolwich, 20% Tower                               |
| <a href="#">Saundersness Shoal</a>                                 | 1.4m                        | 4.5m                      | 4.5m            | 07/02/24       | 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 16/04/2024 10:47**