

**DEPARTMENT OF THE ARMY**  
**Philadelphia District, Corps of Engineers**  
**Wanamaker Building, 100 Penn Square East**  
**Philadelphia, Pennsylvania 19107-3390**

CENAP-OP-TS

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| DELAWARE RIVER, Pennsylvania, New Jersey and Delaware<br>Ship Channel from The Sea ( Buoy No.9 ) to Allegheny Avenue,<br>Philadelphia, Pennsylvania |                      |                  |                             |                     | Minimum depth in each quarter of the channel<br>Entering from the Atlantic Ocean. |                           |                            |                             |
|---|----------------------|------------------|-----------------------------|---------------------|---|---------------------------|----------------------------|-----------------------------|
| Range   | Date<br>Of<br>Survey | DIMENSIONS       |                             |                     | Left<br>Outside<br>Quarter  | Left<br>Inside<br>Quarter | Right<br>Inside<br>Quarter | Right<br>Outside<br>Quarter |
|   |                      | Width<br>In Feet | Length<br>Nautical<br>Miles | Depth<br>In<br>Feet |   |                           |                            |                             |
|   |                      |                  |                             |                     | Feet  | Feet                      | Feet                       | Feet                        |
| Brandywine from Buoy No.9   | 5 Jun.07             | 1000             | 10.94                       | 40                  | 39.8  | 41.7                      | 41.6                       | 39.6                        |
| Miah Maul   | 12 Jun.07            | 1000             | 7.02                        | 40                  | 41.8  | 41.1                      | 41.5                       | 40.6                        |
| Elbow of Cross Ledge  | 18 Jun.07            | 1000             | 3.39                        | 40                  | 41.0  | 43.3                      | 42.6                       | 40.4                        |
| Liston-Below Ship John Light  | 2 Oct.07             | 1000             | 5.57                        | 40                  | 41.9  | 41.6                      | 41.4                       | 40.3                        |
| Liston-Above Ship John Light  | 3 May 07             | 1000-800         | 12.42                       | 40                  | 41.0  | 41.4                      | 41.6                       | 40.3                        |
| Baker   | 10 Apr.07            | 800              | 1.65                        | 40                  | 44.4  | 45.0                      | 43.1                       | 38.4                        |
| Reedy Island  | 9 Apr.07             | 800              | 4.28                        | 40                  | 39.9  | 40.8                      | 41.8                       | 38.3                        |
| New Castle  | 10 Apr 08            | 800              | 4.34                        | 40                  | 37.1  | 41.9                      | 38.6                       | 35.0                        |
| Bulkhead Bar  | 17 Mar.07            | 1600             | 0.56                        | 40                  | 43.3  | 44.4                      | 42.9                       | 36.0                        |
| Deepwater Point   | 14 Jan 08            | 800              | 3.76                        | 40                  | 40.3  | 42.0                      | 43.2                       | 37.3                        |
| Cherry Island   | 6 Jun 08             | 800              | 4.33                        | 40                  | 38.7  | 39.7                      | 39.6                       | 39.4                        |
| Bellevue  | 16 Jun 08            | 800              | 3.05                        | 40                  | 38.9  | 41.4                      | 41.4                       | 40.4                        |
| Marcus Hook   | 14 May 08            | 800              | 4.25                        | 40                  | 39.2  | 39.7                      | 40.7                       | 40.8                        |
| Chester   | 9 Apr 08             | 800              | 1.82                        | 40                  | 39.9  | 41.1                      | 40.7                       | 40.8                        |
| Eddystone   | 31 Mar 08            | 800              | 1.08                        | 40                  | 40.5  | 41.2                      | 42.2                       | 40.5                        |
| Tinicum   | 8 Apr 08             | 800              | 3.03                        | 40                  | 35.4  | 41.1                      | 40.9                       | 39.0                        |
| Billingsport  | 5 Mar 08             | 800              | 1.15                        | 40                  | 41.5  | 42.6                      | 43.0                       | 39.5                        |
| Mifflin   | 4 Mar 08             | 800              | 2.83                        | 40                  | 37.1  | 38.2                      | 40.6                       | 38.1                        |
| Eagle Point (Naval Base)  | 26 Feb 08            | 800              | 1.74                        | 40                  | 37.3  | 41.1                      | 40.6                       | 40.7                        |
| Horseshoe Bend  | 7 Feb 08             | 800-500          | 0.80                        | 40                  | 35.1  | 41.1                      | 43.3                       | 43.1                        |
| East Horseshoe & Reach M  | 6 Feb 08             | 500-400          | 1.17                        | 40                  | 38.1  | 40.0                      | 42.3                       | 42.5                        |
| Reach M to Benjamin Franklin<br>Bridge  | 5 Feb 08             | 400              | 2.95                        | 40                  | 21.6  | 35.2                      | 38.2                       | 36.9                        |
| Benjamin Franklin Bridge to<br>Cambria St.  | 4 Feb 08             | 400              | 2.00                        | 40                  | 25.1  | 39.8                      | 40.9                       | 40.2                        |
| Cambria St. to Allegheny Ave.   | 29 Jan 08            | 400              | 0.42                        | 40                  | 37.7  | 38.4                      | 37.6                       | 35.6                        |
|   |                      |                  |                             |                     | <b>PERCENTAGES OF TOTAL WIDTHS</b>  |                           |                            |                             |
|   |                      |                  |                             |                     | Edge to 60%   | 60% to 80%                | 80% to 100%                |                             |
| Camden Waterfront   | 23 Jan 08            | 1600             | 4,500                       | 40                  | 35.8  | 34.7                      | 34.5                       |                             |
| <b>ANCHORAGES</b>   |                      |                  |                             |                     |   |                           |                            |                             |
| Marcus Hook   | 2 Aug.05             | 2300             | 13,650                      | 40                  | 34.3  | 30.2                      | 15.0                       |                             |
| Mantua Creek  | 4 Mar 08             | 1400             | 11,600                      | 37                  | 36.9  | 35.3                      | 36.1                       |                             |
| Gloucester  | 6 Feb 08             | 550              | 3,500                       | 30                  | 27.7  | 29.3                      | 24.9                       |                             |
| Port Richmond   | 31 Jan 08            | 750              | 3,400                       | 37                  | 31.0  | 29.9                      | 21.6                       |                             |

**NOTE:** The information shown on this channel statement represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

The depths refer to Corps of Engineers Philadelphia District Mean Lower Low Water Datum.

Drawings showing the depths in the channel can be downloaded in PDF format from Philadelphia District's web page.

  
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