Chart 11304 NM 22/01

PORT MANSFIELD CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)

| NAME OF CHANNEL | DEPTH MLLW (FEET) | WIDTH (FEET) | DATE OF SURVEY |
|---|---|---|---|
| JETTY AND SEA BAR CHANNEL | 11.8 | 250 | 1-01 |
| THENCE TO INTRACOASTAL WATERWAY | 10.0 | 100-300 | 1-01 |
| ENTRANCE CURVES AT I.W.W. | 8.8 | 200 | 1-01 |
| I.W.W. TO TURNING BASIN | 14.0 | 125-200 | 1-01 |
| TURNING BASIN | 14.0 | 200-400 | 1-01 |
| SHRIMP BASIN | | | |
| (26°33'06"N, 97°25'53"W) | 12.0 | 350 | 1-01 |
| SMALL CRAFT BASIN | | | |
| (26°33'06"N, 97°25'45"W) | 8.0 | 160 | 9-88 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE

Chart 11305 NM N22/01

CORPUS CHRISTI CHANNEL DEPTHS
Tabulated from surveys by the Corps of Engineers - Report of April 2001

| | Controlling depths from seaward in feet at mean lower low water (MLLW) | | | | | Project Dimensions | | |
|---|---|---|---|---|---|---|---|---|
| Name of channel | Left Outside Quarter | Left Inside Quarter | Right Inside Quarter | Right Outside Quarter | Date of Survey | Width (Feet) | Length (Nautical Miles) | Depth MLLW (Feet) |
| Aransas Pass Outer Bar | 49 | 49 | 49 | 48 | 2-01 | 700-600 | 2.42 | 47 |
| Jetty Channel to Cline Point | 51 | 47 | 47 | 51 | 2-01 | 600 | 1.26 | 47-45 |
| Inner Basin of Harbor Island | 47 | 47 | 47 | 47 | 1-01 | 600-1559 | 0.5 | 45 |
| Cline Point to West End Humble Oil Co. Basin | 46 | 47 | 47 | 46 | 5-00 | 600 | 0.5 | 45 |
| Thence to Corpus Christi | 41 | 44 | 44 | 42 | 7, 8-00 | 600-300 | 18.3 | 45 |
| Channel to La Quinta | 47 | 47 | 47 | 47 | 2-01 | 300-400 | 4.7 | 45 |

NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11306 (Side B) NM 22/01

PORT MANSFIELD CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)

| NAME OF CHANNEL | DEPTH MLLW (FEET) | WIDTH (FEET) | DATE OF SURVEY |
|---|---|---|---|
| JETTY AND SEA BAR CHANNEL | 11.8 | 250 | 1-01 |
| THENCE TO INTRACOASTAL WATERWAY | 10.0 | 100-300 | 1-01 |
| ENTRANCE CURVES AT I.W.W. | 8.8 | 200 | 1-01 |
| I.W.W. TO TURNING BASIN | 14.0 | 125-200 | 1-01 |
| TURNING BASIN | 14.0 | 200-400 | 1-01 |
| SHRIMP BASIN | | | |
| (26°33'06"N, 97°25'53"W) | 12.0 | 350 | 1-01 |
| SMALL CRAFT BASIN | | | |
| (26°33'06"N, 97°25'45"W) | 8.0 | 160 | 9-88 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE

Chart 11309 NM 22/01

CORPUS CHRISTI CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2001

| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| NAME OF CHANNEL | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| ARANSAS PASS OUTER BAR | 49.0 | 49.0 | 49.0 | 48.0 | 2-01 | 700-600 | 2.42 | 47 |
| JETTY CHANNEL TO CLINE POINT | 51.0 | 47.0 | 47.0 | 51.0 | 2-01 | 600 | 1.28 | 47-45 |
| INNER BASIN AT HARBOR ISLAND | 47.0 | 47.0 | 47.0 | 47.0 | 1-01 | 600-1558 | 0.5 | 45 |
| CLINE POINT TO WEST END HUMBLE OIL CO. BASIN | 46.0 | 47.0 | 47.0 | 46.0 | 5-00 | 600 | 0.5 | 45 |
| THENCE TO CORPUS CHRISTI | 41.0 | 44.0 | 44.0 | 42.0 | 7-00;8-00 | 600-300 | 18.3 | 45 |
| CHANNEL TO LA QUINTA | 47.0 | 47.0 | 47.0 | 47.0 | 2-01 | 300-400 | 4.7 | 45 |
| TURNING BASIN | 49.0 | 49.0 | 49.0 | 49.0 | 2-01 | 1200 | .35 | 45 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11310 NM N22/01

CORPUS CHRISTI CHANNEL DEPTHS
Tabulated from surveys by the Corps of Engineers - Report of April 2001

| Controlling depths from seaward in feet at mean lower low water (MLLW) | | | | | | Project Dimensions | | |
|---|---|---|---|---|---|---|---|---|
| Name of channel | Left Outside Quarter | Left Inside Quarter | Right Inside Quarter | Right Outside Quarter | Date of Survey | Width (Feet) | Length (Nautical Miles) | Depth MLLW (Feet) |
| Aransas Pass Outer Bar | 49 | 49 | 49 | 48 | 2-01 | 700-600 | 2.42 | 47 |
| Jetty Channel to Cline Point | 51 | 47 | 47 | 51 | 2-01 | 600 | 1.28 | 47-45 |
| Inner Basin of Harbor Island | 47 | 47 | 47 | 47 | 1-01 | 600-1559 | 0.5 | 45 |
| Cline Point to West End Humble Oil Co. Basin | 46 | 47 | 47 | 46 | 5-00 | 600 | 0.5 | 45 |
| Thence to Corpus Christi | 41 | 44 | 44 | 42 | 7, 8-00 | 600-300 | 18.3 | 45 |
| Channel to La Quinta | 47 | 47 | 47 | 47 | 2-01 | 300-400 | 4.7 | 45 |

NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11312 NM 22/01

CORPUS CHRISTI CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2001

| CONTROLLING DEPTHS FROM SEAWARD IN METERS AT MEAN LOWER LOW WATER (MLLW) | | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| NAME OF CHANNEL | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (METERS) | LENGTH (NAUT. MILES) | DEPTH MLLW (METERS) |
| ARANSAS PASS OUTER BAR | 14.9 | 14.9 | 14.9 | 14.6 | 2-01 | 213-183 | 2.42 | 14.3 |
| JETTY CHANNEL TO CLINE POINT | 15.5 | 14.3 | 14.3 | 15.5 | 2-01 | 183 | 1.28 | 14.3-13.7 |
| INNER BASIN AT HARBOR ISLAND | 14.3 | 14.3 | 14.3 | 14.3 | 1-01 | 183-475 | 0.5 | 13.7 |
| CLINE POINT TO WEST END HUMBLE OIL CO. BASIN | 14.0 | 14.3 | 14.3 | 14.0 | 5-00 | 183 | 0.5 | 13.7 |
| THENCE TO CORPUS CHRISTI | 14.3 | 14.3 | 14.3 | 14.3 | 2-01 | 183-91 | 18.3 | 13.7 |
| CHANNEL TO LA QUINTA | 14.3 | 14.3 | 14.3 | 14.3 | 2-01 | 91-121 | 4.7 | 13.7 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11322 (Side B) NM 22/01

FREEPORT HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2001

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT) LEFT OUTSIDE QUARTER | MIDDLE HALF OF CHANNEL | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | PROJECT DIMENSIONS WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
|---|---|---|---|---|---|---|---|
| CHANNEL FROM DEEP WATER | | | | | | | |
| TO SEAWARD END OF JETTY | 41.0 | 44.0 | 41.0 | 2-01 | 400 | 4.3 | 47 |
| JETTY CHANNEL | 42.0(A) | 43.0 | 33.0(A) | 2-01 | 400 | 1.3 | 45 |
| LOWER TURNING BASIN | 37.0 | 43.0 | 34.0(A) | 2-01 | 750 | 0.1 | 45 |
| THENCE TO BRAZOSPORT | | | | | | | |
| TURNING BASIN | 42.0(A) | 44.0 | 40.0(A) | 2-01 | 400-600 | 0.4 | 45 |
| BRAZOSPORT TURNING BASIN | 43.0 | 44.0 | 42.0 | 2-01 | 900-1000 | 0.2 | 45 |
| CHANNEL TO UPPER | | | | | | | |
| TURNING BASIN | 35.0 | 46.0 | 44.0 | 2-01 | 280-470 | 1.0 | 45 |
| BRAZOS HARBOR APPROACH CHANNEL | 37.0 | 39.0 | 38.0 | 2-01 | 200-650 | 0.5 | 38 |
| BRAZOS HARBOR TURNING BASIN | 35.0 | 37.0 | 38.0 | 2-01 | 750 | 0.1 | 38 |
| UPPER TURNING BASIN | 45.0 | 46.0 | 47.0 | 2-01 | 600-1190 | 0.1 | 45 |
| CHANNEL TO STAUFFER | | | | | | | |
| TURNING BASIN | 17.0 | 19.0 | 17.5 | 11-88 | 200 | 1.0 | 25 |
| STAUFFER TURNING BASIN | 18.0 | 18.0 | 18.0 | 11-88 | 500 | 0.1 | 25 |

(A) DEPTHS INDICATED BEGIN APPROXIMATELY 20 FEET INSIDE OF THE CHANNEL TOE.

INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11325 NM 22/01

HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2001

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT) LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | PROJECT DIMENSIONS WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
|---|---|---|---|---|---|---|---|---|
| HOUSTON SHIP CHANNEL: | | | | | | | | |
| EXXON OIL CO. SLIP | | | | | | | | |
| TO CARPENTER BAYOU (A) | 38.0 | 40.0 | 40.0 | 38.0 | 3-00 | 400-525 | 4.80 | 40 |
| THENCE TO GREENS BAYOU (B) | 39.0 | 40.0 | 35.0 | 27.0 | 3-01 | 400-300 | 4.70 | 40 |
| GREENS BAYOU CHANNEL | | | | | | | | |
| (TO FIRST BEND) | 29.0 | 30.0 | 31.0 | 31.0 | 2-01 | 500-175 | 0.28 | 38 |
| THENCE TO HUNTING | | | | | | | | |
| BAYOU (UPPER BEND) | 40.0 | 42.0 | 42.0 | 40.0 | 10-00 | 300 | 2.30 | 40 |
| TURNING POINT AT HUNTING BAYOU | 42.0 | 43.0 | 42.0 | 42.0 | 10-00 | 600 | 0.20 | 40 |
| THENCE TO SOUTHERN | | | | | | | | |
| PACIFIC SLIP | 40.0 | 42.0 | 41.0 | 40.0 | 10-00 | 300 | 3.10 | 40 |
| TURNING POINT AT SIMS BAYOU | 41.0 | 42.0 | 42.0 | 41.0 | 10-00 | 700 | 0.26 | 40 |
| THENCE TO HOUSTON | | | | | | | | |
| TURNING BASIN WHARF 15 | 34.0 | 36.0 | 38.0 | 36.0 | 3-01 | 300 | 2.70 | 36 |
| TURNING POINT AT BRADY ISLAND | 32.0 | 36.0 | 38.0 | 36.0 | 1-00 | 422 | 0.20 | 36 |
| HOUSTON TURNING BASIN | 35.0 | 36.0 | 36.0 | 36.0 | 10-00 | 250-1000 | 0.60 | 36 |
| UPPER TURNING BASIN | 19.0 | 20.0 | 20.0 | 20.0 | 10-00 | 150 | 0.20 | 36 |

A. CHANNEL WIDENS 125 FEET IN LEFT OUTSIDE QUARTER IN VICINITY OF EXXON OIL CO.

B. CHANNEL NARROWS IN VICINITY OF THE SHELL OIL CO. SLIP.

INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11329 NM 22/01

HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2001

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT). LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | PROJECT DIMENSIONS WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
|---|---|---|---|---|---|---|---|---|
| HOUSTON SHIP CHANNEL: | | | | | | | | |
| LOWER END OF MORGAN PT. | | | | | | | | |
| TO EXXON OIL CO. SLIP | 30.0 | 37.0 | 37.0 | 30.0 | 3-00 | 400-525 | 4.20 | 40 |
| EXXON OIL CO. SLIP | | | | | | | | |
| TO CARPENTER BAYOU (A) | 38.0 | 40.0 | 40.0 | 38.0 | 3-00 | 400-525 | 4.90 | 40 |
| THENCE TO GREENS BAYOU (B) | 39.0 | 40.0 | 35.0 | 27.0 | 3-01 | 400-300 | 4.70 | 40 |

A. CHANNEL WIDENS 125 FEET IN LEFT OUTSIDE QUARTER IN VICINITY OF EXXON OIL CO.

B. CHANNEL NARROWS IN VICINITY OF THE SHELL OIL CO. SLIP.

INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11343 NM 22/01

SABINE AND NECHES RIVERS CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2001

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | PROJECT DIMENSIONS WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
|---|---|---|---|---|---|---|---|---|
| SABINE-NECHES CANAL: | | | | | | | | |
| PORT ARTHUR TO NECHES RIVER | 28 | 37 | 35 | 27 | 1-01 | 400 | 10.1 | 40 |
| NECHES RIVER TO SABINE RIVER | 27 | 30 | 30 | 27 | 1-01 | 200 | 3.9 | 30 |
| NECHES RIVER: | | | | | | | | |
| MOUTH TO SMITH BLUFF | 29 | 33 | 36 | 33 | 3-01 | 400 | 8.3 | 40 |
| TURNING BASIN AT DEER BAYOU | 40 | 40 | 38 | 38 | 1-01 | 700 | 0.15 | 40 |
| TURNING BASIN AT SMITHS BLUFF | 40 | 37 | 36 | 33 | 3-01 | 1400-400 | 0.2 | 40 |
| SMITH BLUFF TO BEAUMONT | 35 | 37 | 35 | 33 | 3-01 | 400 | 8.0 | 40 |
| TURNING BASIN (30°02'12"N, 94°01'58"W) | 32 | 39 | 40 | 38 | 3-01 | 400-1306 | 0.2 | 40 |
| CHANNEL EXTENSION | 34 | 36 | 34 | 29 | 3-01 | 350 | 0.2 | 36 |
| MANEUVERING AREA (30°04'44"N, 94°06'05"W) | 31 | 39 | 39 | 36 | 3-01 | 400-1000 | 0.4 | 40 |
| BEAUMONT TURNING BASIN | 37 | 37 | 38 | 36 | 3-01 | 400-535 | 0.3 | 34 |
| TURNING BASIN EXTENSION | 32 | 35 | 33 | 29 | 3-01 | 300 | 0.2 | 34 |
| THENCE TO TRINITY INDUSTRIES | 21 | 24 | 24 | 20 | 3-01 | 200 | 0.6 | 30 |
| SABINE RIVER: | | | | | | | | |
| MOUTH TO ORANGE MUNICIPAL SLIP | 27 | 29 | 30 | 26 | 2-01 | 200 | 6.6 | 30 |
| ORANGE TURNING BASIN | 28 | 28 | 30 | 26 | 2-01 | 200 - 1400 | 0.8 | 30 |
| ORANGE MUNICIPAL SLIP | 27 | 30 | 24 | 20 | 3-01 | 150-200 | 0.5 | 30 |
| ORANGE MUNICIPAL SLIP | | | | | | | | |
| TO OLD HIGHWAY BRIDGE SITE | 28 | 30 | 32 | 29 | 2-01 | 200 | 2.2 | 30 |
| CHANNEL AROUND ORANGE HARBOR ISLAND | 13 | 14 | 17 | 18 | 3-01 | 150-200 | 1.7 | 25 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11545 NM 22/01

MOREHEAD CITY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2001

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| BEAUFORT INLET CHANNEL FROM | | | | | | | | |
| 2000 FT NORTH OF LTD. BUOY "9" | 46.6 | 47.2 | 44.7 | 45.0 | 2,3-00 | 450-600 | 2.26 | 47 |
| CUTOFF CHANNEL | 47.4 | 48.3 | 45.9 | 41.1 | 3-00 | 600 | 0.38 | 42 |
| MOREHEAD CITY CHANNEL | 44.8 | 45.4 | 45.6 | 44.2 | 3-00 | 400 | 1.10 | 40 |
| TURNING BASIN | | | | | | | | |
| EAST LEG | 42.4 | 41.2 | 40.7 | 40.1 | 2-01 | 400-1200 | 0.70 | 40 |
| WEST LEG | 31.1 | 33.8 | 38.8 | 39.7 | 2-01 | 800-1000 | 0.39 | 35 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11547 NM 22/01

MOREHEAD CITY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2001

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| BEAUFORT INLET CHANNEL FROM | | | | | | | | |
| 2000 FT NORTH OF LTD. BUOY "9" | 46.6 | 47.2 | 44.7 | 45.0 | 2,3-00 | 450-600 | 2.26 | 47 |
| CUTOFF CHANNEL | 47.4 | 48.3 | 45.9 | 41.1 | 3-00 | 600 | 0.38 | 42 |
| MOREHEAD CITY CHANNEL | 44.8 | 45.4 | 45.6 | 44.2 | 3-00 | 400 | 1.10 | 40 |
| TURNING BASIN | | | | | | | | |
| EAST LEG | 42.4 | 41.2 | 40.7 | 40.1 | 2-01 | 400-1200 | 0.70 | 40 |
| WEST LEG | 31.1 | 33.8 | 38.8 | 39.7 | 2-01 | 800-1000 | 0.39 | 35 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12208 NM 22/01

THIMBLE SHOAL AND CHESAPEAKE BAY ENTRANCE CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2001 AND SURVEYS TO SEP 2000

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| THIMBLE SHOAL CHANNEL (A) | | | | | | | | |
| NORTH ELEMENT (B) | 47.6 | 48.5 | 45.8 | 44.1 | 6,7,9-00 | 350 | 13.0 | 55 |
| SOUTH ELEMENT (C) | 49.7 | 50.0 | 49.7 | 50.3 | 6,7,9-00 | 650 | 13.0 | 55 |
| NORTH AUXILIARY CHANNEL (D) | | | | | | 450 | | 32 |
| SOUTH AUXILIARY CHANNEL (D) | | | | | | 450 | | 32 |
| CAPE HENRY CHANNEL | 49.5 | 50.2 | 50.0 | 49.4 | 2,3-99 | 1000 | 1.4 | 50 |

A. CHANNEL IS RESTRICTED TO EXCLUDE VESSELS AND TOWS DRAWING LESS THAN 25 FEET.
B. PORTION OF PROJECT MAINTAINED TO 45 FEET
C. PORTION OF PROJECT MAINTAINED TO 50 FEET
D. PROJECT MAINTENANCE DISCONTINUED
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12221 NM 22/01

THIMBLE SHOAL AND CHESAPEAKE BAY ENTRANCE CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2001
AND SURVEYS TO SEP 2000

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| THIMBLE SHOAL CHANNEL (A) | | | | | | | | |
| NORTH ELEMENT (B) | 47.8 | 48.5 | 48.8 | 44.1 | 6,7,9-00 | 350 | 13.0 | 55 |
| SOUTH ELEMENT (C) | 49.7 | 50.0 | 49.7 | 50.3 | 6,7,9-00 | 850 | 13.0 | 55 |
| NORTH AUXILIARY CHANNEL (D) | | | | | | 450 | | 32 |
| SOUTH AUXILIARY CHANNEL (D) | | | | | | 450 | | 32 |
| CAPE HENRY CHANNEL | 49.5 | 50.2 | 50.0 | 49.4 | 2,3-99 | 1000 | 1.4 | 50 |
| YORK SPIT CHANNEL | 38.5 | 49.5 | 50.1 | 45.9 | 11,12-99;2,3-00 | 1000(E) | 18.4 | 50 |
| YORK RIVER ENTRANCE CHANNEL | 37.3 | 37.9 | 38.0 | 37.2 | 10,11-98;8-99 | 750 | 13.8 | 37 |

A. CHANNEL IS RESTRICTED TO EXCLUDE VESSELS AND TOWS DRAWING LESS THAN 25 FEET.
B. PORTION OF PROJECT MAINTAINED TO 45 FEET.
C. PORTION OF PROJECT MAINTAINED TO 50 FEET.
D. PROJECT MAINTENANCE DISCONTINUED.
E. CHANNEL WIDTH MAINTAINED TO 800 FEET.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION.

Chart 12222 NM 22/01

NORFOLK HARBOR AND APPROACHES
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2001
AND SURVEYS TO SEP 2000

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| THIMBLE SHOAL CHANNEL (A) | | | | | | | | |
| NORTH ELEMENT (B) | 47.8 | 48.5 | 48.8 | 44.1 | 6,7,9-00 | 350 | 13.0 | 55 |
| SOUTH ELEMENT (C) | 49.7 | 50.0 | 49.7 | 50.3 | 6,7,9-00 | 850 | 13.0 | 55 |
| NORTH AUXILIARY CHANNEL (D) | | | | | | 450 | | 32 |
| SOUTH AUXILIARY CHANNEL (D) | | | | | | 450 | | 32 |
| NORFOLK HARBOR | | | | | | | | |
| ENTRANCE REACH | 50.3 | 51.5 | 52.9 | 52.0 | 4-99 | 1000 | 1.4 | 50 |
| NORFOLK HARBOR REACH | 49.4 | 49.9 | 45.8 | 43.8 | 6,7,8-00 | 1250-800 | 3.8 | 55 |
| CRANEY ISLAND REACH | 48.7 | 48.8 | 50.5 | 42.5 | 8-00 | 800 | 2.1 | 55 |
| LAMBERTS BEND | 39.6 | 45.3 | 40.2 | 38.4 | 11,12-97 | 750 | 0.3 | 45 |
| PORT NORFOLK REACH | 38.3 | 39.3 | 40.6 | 39.5 | 11,12-97;2-98 | 750 | 2.0 | 45 |
| NEWPORT NEWS CHANNEL | 50.1 | 50.8 | 49.7 | 49.4 | 8-00 | 800 | 4.2 | 55 |
| CAPE HENRY CHANNEL | 49.5 | 50.2 | 50.0 | 49.4 | 2,3-99 | 1000 | 1.4 | 50 |
| YORK SPIT CHANNEL | 38.5 | 49.5 | 50.1 | 45.9 | 11,12-99;2,3-00 | 1000(E) | 18.4 | 50 |

A. THIS CHANNEL IS RESTRICTED TO EXCLUDE VESSELS AND TOWS DRAWING LESS THAN 25 FEET.
B. PORTION OF PROJECT MAINTAINED TO 45 FEET
C. PORTION OF PROJECT MAINTAINED TO 50 FEET
D. PROJECT MAINTENANCE DISCONTINUED
E. CHANNEL WIDTH MAINTAINED TO 800 FEET
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12245 NM 22/01

NORFOLK HARBOR AND NEWPORT NEWS CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2001
AND SURVEYS TO AUG 2000

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| NORFOLK HARBOR ENTRANCE REACH | 50.3 | 51.5 | 52.9 | 52.0 | 4-99 | 1000 | 1.4 | 50 |
| NORFOLK HARBOR REACH | 49.4 | 49.9 | 45.8 | 43.8 | 6,7,8-00 | 1250-800 | 3.8 | 55 |
| CRANEY ISLAND REACH | 48.7 | 48.8 | 50.5 | 42.5 | 8-00 | 800 | 2.1 | 55 |
| NEWPORT NEWS CHANNEL | 50.1 | 50.8 | 49.7 | 49.4 | 8-00 | 800 | 4.2 | 55 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12253 NM 22/01

ELIZABETH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2001 AND SURVEYS TO AUG 2000

| | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| NAME OF CHANNEL | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| CRANEY ISLAND REACH | 48.7 | 48.8 | 50.5 | 42.5 | 8-00 | 800 | 2.1 | 55 |
| LAMBERTS BEND | 39.6 | 45.3 | 40.2 | 39.4 | 11,12-97 | 750 | 0.3 | 45 |
| PORT NORFOLK REACH | 38.3 | 39.3 | 40.6 | 39.5 | 11,12-97,2-98 | 750 | 2.0 | 45 |
| TOWN POINT REACH | 39.2 | 40.2 | 40.1 | 39.6 | 11-97 | 750 | 0.6 | 45 |
| SOUTHERN BRANCH: | | | | | | | | |
| LOWER REACH | 36.6 | 40.4 | 40.4 | 39.6 | 11,12-97 | 450-800 | 1.7 | 45 |
| MIDDLE REACH | 39.5 | 41.5 | 40.6 | 39.5 | 11-97 | 375 | 0.9 | 45 |
| UPPER REACH | 34.0 | 35.0 | 35.5 | 34.4 | 12-98 | 250-500 | 2.7 | 35 |
| TURNING BASIN | 34.8 | 35.0 | 34.5 | 34.5 | 12-98 | 600 | 0.1 | 35 |
| THENCE TO A POINT 100 YARDS SOUTH OF LIGHT "30" | 28.9 | 30.4 | 31.5 | 29.6 | 5-94 | 250-500 | 1.1 | 35 |
| TURNING BASIN AT MAINS CREEK | 30.7 | 31.8 | 30.7 | 30.3 | 5-94 | 800 | 0.2 | 35 |
| THENCE TO A POINT 100 YARDS NORTH OF N & P B L RR BRIDGE | 30.0 | 30.8 | 30.8 | 29.1 | 5-94 | 250-500 | 0.2 | 35 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12254 NM 22/01

THIMBLE SHOAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2001 AND SURVEYS TO SEP 2000

| | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| NAME OF CHANNEL | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| THIMBLE SHOAL CHANNEL (A) | | | | | | | | |
| NORTH ELEMENT (B) | 47.6 | 46.5 | 45.8 | 44.1 | 6,7,9-00 | 350 | 13.0 | 55 |
| SOUTH ELEMENT (C) | 49.7 | 50.0 | 49.7 | 50.3 | 6,7,9-00 | 650 | 13.0 | 55 |
| NORTH AUXILIARY CHANNEL (D) | | | | | | 450 | | 32 |
| SOUTH AUXILIARY CHANNEL (D) | | | | | | 450 | | 32 |

A. CHANNEL IS RESTRICTED TO EXCLUDE VESSELS AND TOWS DRAWING LESS THAN 25 FEET.
B. PORTION OF PROJECT MAINTAINED TO 45 FEET
C. PORTION OF PROJECT MAINTAINED TO 50 FEET
D. PROJECT MAINTENANCE DISCONTINUED
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12256 NM 22/01

NORFOLK HARBOR AND APPROACHES

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2001 AND SURVEYS TO SEP 2000

| | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| NAME OF CHANNEL | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| THIMBLE SHOAL CHANNEL (A) | | | | | | | | |
| NORTH ELEMENT (B) | 47.6 | 46.5 | 45.8 | 44.1 | 6,7,9-00 | 350 | 13.0 | 55 |
| SOUTH ELEMENT (C) | 49.7 | 50.0 | 49.7 | 50.3 | 6,7,9-00 | 650 | 13.0 | 55 |
| NORTH AUXILIARY CHANNEL (D) | | | | | | 450 | | 32 |
| SOUTH AUXILIARY CHANNEL (D) | | | | | | 450 | | 32 |
| PHOEBUS CHANNEL | 12.3 | 12.0(E) | 12.0(E) | 11.3 | 10-99 | 150 | 0.7 | 12 |
| NORFOLK HARBOR ENTRANCE REACH | 50.3 | 51.5 | 52.9 | 52.0 | 4-99 | 1000 | 1.4 | 50 |

A. CHANNEL IS RESTRICTED TO EXCLUDE VESSELS AND TOWS DRAWING LESS THAN 25 FEET.
B. PORTION OF PROJECT MAINTAINED TO 45 FEET
C. PORTION OF PROJECT MAINTAINED TO 50 FEET
D. PROJECT MAINTENANCE DISCONTINUED
E. MIDDLE WIDTH OF 75 FEET
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12273 NM 22/01

BALTIMORE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2000

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| CRAIGHILL ENTRANCE | 49.3 | 50.6 | 50.6 | 50.0 | 5-00 | 700 | 3.09 | 50 |
| CRAIGHILL CHANNEL | 49.1 | 50.8 | 50.5 | 49.7 | 7-00 | 700 | 2.80 | 50 |
| CRAIGHILL ANGLE | 49.7 | 50.2 | 49.9 | 49.5 | 4-00 | 700-1870 | 1.55 | 50 |
| CRAIGHILL CHANNEL UPPER RANGE | 49.0 | 50.8 | 50.2 | 49.1 | 7-00 | 700 | 2.11 | 50 |
| CUTOFF ANGLE | 48.4 | 50.0 | 49.4 | 48.2 | 7-00 | 700-1725 | 0.86 | 50 |
| BREWERTON CHANNEL | 49.2 | 50.4 | 50.5 | 48.8 | 6-00 | 700 | 3.06 | 50 |
| EASTERN EXTENSION | 31.9 | 35.5 | 35.8 | 33.1 | 2-00 | 600-450 | 5.02 | 35 |
| SWAN POINT CHANNEL | 31.8 | 32.9 | 33.8 | 32.9 | 4-00 | 600 | 1.65 | 35 |
| TOLCHESTER CHANNEL | 35.0 | 35.4 | 35.0 | 33.4 | 11-99; 3,5,6-00 | 600 | 4.78 | 35 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12278 NM 22/01

BALTIMORE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2000

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| CRAIGHILL ENTRANCE | 49.3 | 50.6 | 50.6 | 50.0 | 5-00 | 700 | 3.09 | 50 |
| CRAIGHILL CHANNEL | 49.1 | 50.8 | 50.5 | 49.7 | 7-00 | 700 | 2.80 | 50 |
| CRAIGHILL ANGLE | 49.7 | 50.2 | 49.9 | 49.5 | 4-00 | 700-1870 | 1.55 | 50 |
| CRAIGHILL CHANNEL UPPER RANGE | 49.0 | 50.8 | 50.2 | 49.1 | 7-00 | 700 | 2.11 | 50 |
| CUTOFF ANGLE | 48.4 | 50.0 | 49.4 | 48.2 | 7-00 | 700-1725 | 0.86 | 50 |
| BREWERTON CHANNEL | 49.2 | 50.4 | 50.5 | 48.8 | 6-00 | 700 | 3.06 | 50 |
| BREWERTON ANGLE | 49.4 | 50.2 | 50.0 | 49.1 | 6-00 | 700-1460 | 0.79 | 50 |
| FORT MCHENRY CHANNEL | 47.8 | 48.0 | 47.4 | 48.4 | 3-00 | 700 | 3.77 | 50 |
| CURTIS BAY CHANNEL | 50.1 | 49.7 | 49.6 | 49.5 | 3,5-00 | 400-1275 | 1.96 | 50 |
| BREWERTON CHANNEL EASTERN EXTENSION | 31.9 | 35.5 | 35.8 | 33.1 | 2-00 | 600-450 | 5.02 | 35 |
| SWAN POINT CHANNEL | 31.8 | 32.9 | 33.8 | 32.9 | 4-00 | 600 | 1.65 | 35 |
| TOLCHESTER CHANNEL | 35.0 | 35.4 | 35.0 | 33.4 | 11-99; 3,5,6-00 | 600 | 4.78 | 35 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12278 NM 22/01

CURTIS BAY AND CREEK CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2000

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|
| | LEFT OUTSIDE QUARTER | MIDDLE HALF OF CHANNEL | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| CURTIS BAY CHANNEL | 50.1 | 49.8 | 49.5 | 3,5-00 | 400-1275 | 1.96 | 50 |
| CURTIS CREEK | | | | | | | |
| LOWER REACH | 34.8 | 35.8 | 35.8 | 7-00 | 200 | 0.54 | 35 |
| MIDDLE REACH | 19.3 | 20.7 | 17.6 | 8-99,7,8-00 | 200-380 | 1.09 | 22 |
| UPPER REACH | 18.4 | 17.0 | 13.5 | 8-99;8-00 | 200-100 | 0.58 | 22 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12281 NM 22/01

BALTIMORE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2000

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| BREWERTON CHANNEL | 49.2 | 50.4 | 50.5 | 48.8 | 6-00 | 700 | 3.06 | 50 |
| BREWERTON ANGLE | 49.4 | 50.2 | 50.0 | 48.1 | 6-00 | 700-1480 | 0.79 | 50 |
| FORT MCHENRY CHANNEL | 47.8 | 48.0 | 47.4 | 48.4 | 3-00 | 700 | 3.77 | 50 |
| FERRY BAR CHANNEL | | | | | | | | |
| EAST SECTION | 33.2 | 34.4 | 36.7 | 36.1 | 9-00 | 600 | 1.23 | 42 |
| CURTIS BAY CHANNEL | 50.1 | 49.7 | 49.6 | 49.5 | 3,5-00 | 400-1275 | 1.96 | 50 |
| NORTHWEST HARBOR | | | | | | | | |
| EAST CHANNEL | 43.2 | 45.8 | 45.6 | 44.8 | 7-00 | 600 | 0.99 | 49 |
| EAST CHANNEL TURNING BASIN | 44.4 | 48.0 | 48.0 | 45.5 | 7-00 | 600-950 | 0.16 | 49 |
| WEST CHANNEL | 39.8 | 40.3 | 40.2 | 37.9 | 7-00 | 800 | 0.57 | 40 |
| WEST CHANNEL TURNING BASIN | 38.1 | 38.1 | 37.7 | 37.0 | 7-00 | 600-1068 | 0.26 | 40 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12281 NM 22/01

CURTIS BAY AND CREEK CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2000

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|
| | LEFT OUTSIDE QUARTER | MIDDLE HALF OF CHANNEL | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| CURTIS BAY CHANNEL | 50.1 | 49.6 | 49.5 | 3,5-00 | 400-1275 | 1.96 | 50 |
| CURTIS CREEK | | | | | | | |
| LOWER REACH | 34.8 | 35.6 | 35.8 | 7-00 | 200 | 0.54 | 35 |
| MIDDLE REACH | 19.3 | 20.7 | 17.8 | 8-99,7,8-00 | 200-300 | 1.09 | 22 |
| UPPER REACH | 18.4 | 17.0 | 13.5 | 8-99,8-00 | 200-100 | 0.55 | 22 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12282 NM 22/01

BALTIMORE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2000

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| CRAIGHILL ENTRANCE | 49.3 | 50.6 | 50.6 | 50.0 | 5-00 | 700 | 3.09 | 50 |
| CRAIGHILL CHANNEL | 48.1 | 50.8 | 50.5 | 49.7 | 7-00 | 700 | 2.60 | 50 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12311 NM 22/01

CHRISTINA RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2001
AND SURVEYS TO FEB 2001

| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|
| NAME OF CHANNEL | LEFT OUTSIDE QUARTER | MIDDLE HALF OF CHANNEL | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT MILES) | DEPTH (FEET) |
| ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN | 37.6 | 38.2 | 37.8 | 2-01 | 500-340 | 0.70 | 38 |
| THENCE TO THE LOBDELL CANAL | 35.5 | 35.7 | 35.5 | 2-01 | 400 | 0.33 | 35 |
| TURNING BASIN (OPPOSITE TERMINAL WHARF) | 38.1 | 38.1 | 38.1 | 2-01 | 320 | 0.34 | 38 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12312 NM 22/01

DELAWARE RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2001

| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| NAME OF CHANNEL | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT MILES) | DEPTH MLLW (FEET) |
| CHERRY ISLAND RANGE | 41.4 | 41.7 | 41.6 | 40.4 | 2-99 | 800 | 4.33 | 40 |
| BELLEVUE RANGE | 37.5 | 42.2 | 42.4 | 41.6 | 4-99 | 800 | 3.05 | 40 |
| MARCUS HOOK RANGE | 31.9 | 35.2 | 37.9 | 40.7 | 8-99 | 800 | 4.25 | 40 |
| CHESTER RANGE | 38.6 | 40.6 | 40.6 | 39.8 | 3-99 | 800 | 1.82 | 40 |
| EDDYSTONE RANGE | 40.4 | 40.9 | 42.8 | 41.5 | 7-98 | 800 | 1.06 | 40 |
| TINICUM RANGE | 37.7 | 39.9 | 38.6 | 38.3 | 3-99 | 800 | 3.03 | 40 |
| BILLINGSPORT RANGE | 40.0 | 41.1 | 42.1 | 39.4 | 2-99 | 800 | 1.15 | 40 |
| MIFFLIN RANGE | 39.0 | 39.9 | 41.2 | 40.3 | 10-98 | 800 | 2.93 | 40 |
| EAGLE POINT RANGE (NAVY YARD) | 41.0 | 41.5 | 41.5 | 41.8 | 5-99 | 800 | 1.74 | 40 |
| HORSESHOE BEND | 38.6 | 44.6 | 44.5 | 43.2 | 5-99 | 800-500 | 0.80 | 40 |
| HORSESHOE RANGE AND REACH M | 38.5 | 41.0 | 43.7 | 45.5 | 5-99 | 500-400 | 1.17 | 40 |
| REACH M TO BENJAMIN FRANKLIN BRIDGE | 19.9 | 30.1 | 40.4 | 38.5 | 7-99 | 400 | 2.96 | 40 |
| BENJAMIN FRANKLIN BRIDGE TO CAMBRIA ST. | 40.2 | 42.0 | 40.8 | 41.1 | 12-98 | 400 | 2.00 | 40 |
| CAMBRIA ST. TO ALLEGHENY AVE. | 39.8 | 39.8 | 40.5 | 39.4 | 12-98 | 400 | 0.42 | 40 |
| FISHER POINT RANGE | 41.5 | 42.4 | 40.9 | 41.0 | 12-00 | 400 | 0.70 | 40 |
| FISHER CHANNEL | 42.7 | 42.7 | 43.4 | 42.6 | 12-00 | 400 | 0.31 | 40 |
| DRAW CHANNEL | 43.1 | 43.6 | 44.3 | 43.6 | 12-00 | 400 | 0.74 | 40 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12312 NM 22/01

CHRISTINA RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2001
AND SURVEYS TO FEB 2001

| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|
| NAME OF CHANNEL | LEFT OUTSIDE QUARTER | MIDDLE HALF OF CHANNEL | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT MILES) | DEPTH (FEET) |
| ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN | 37.6 | 38.2 | 37.8 | 2-01 | 500-340 | 0.70 | 38 |
| THENCE TO THE LOBDELL CANAL | 35.5 | 35.7 | 35.5 | 2-01 | 400 | 0.33 | 35 |
| TURNING BASIN (OPPOSITE TERMINAL WHARF) | 38.1 | 38.1 | 38.1 | 2-01 | 320 | 0.34 | 38 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12313 NM 22/01

DELAWARE RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2001

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT MILES) | DEPTH MLLW (FEET) |
| TINICUM RANGE | 37.7 | 39.9 | 39.6 | 38.3 | 3-99 | 800 | 3.03 | 40 |
| BILLINGSPORT RANGE | 40.0 | 41.1 | 42.1 | 36.4 | 2-99 | 800 | 1.15 | 40 |
| MIFFLIN RANGE | 39.0 | 39.9 | 41.2 | 40.3 | 10-98 | 800 | 2.83 | 40 |
| EAGLE POINT RANGE (NAVY YARD) | 41.0 | 41.5 | 41.5 | 41.8 | 5-99 | 800 | 1.74 | 40 |
| HORSESHOE BEND | 38.6 | 44.6 | 44.5 | 43.2 | 5-99 | 800-500 | 0.80 | 40 |
| HORSESHOE RANGE AND REACH M | 38.5 | 41.0 | 43.7 | 45.5 | 5-99 | 500-400 | 1.17 | 40 |
| REACH M TO BENJAMIN FRANKLIN BRIDGE | 19.9 | 30.1 | 40.4 | 38.5 | 7-99 | 400 | 2.95 | 40 |
| BENJAMIN FRANKLIN BRIDGE TO CAMBRIA ST. | 40.2 | 42.0 | 40.6 | 41.1 | 12-98 | 400 | 2.00 | 40 |
| CAMBRIA ST. TO ALLEGHENY AVE. | 39.6 | 39.8 | 40.5 | 39.4 | 12-98 | 400 | 0.42 | 40 |
| FISHER POINT RANGE | 41.5 | 42.4 | 40.9 | 41.0 | 12-00 | 400 | 0.70 | 40 |
| FISHER CHANNEL | 42.7 | 42.7 | 43.4 | 42.6 | 12-00 | 400 | 0.31 | 40 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12314 NM 22/01

DELAWARE RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2001

| NAME OF CHANNEL | CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| FISHER POINT RANGE (CHARTS 12313,12312) | 41.5 | 42.4 | 40.9 | 41.0 | 12-00 | 400 | 0.70 | 40 |
| FISHER CHANNEL | 42.7 | 42.7 | 43.4 | 42.6 | 12-00 | 400 | 0.31 | 40 |
| DRAW CHANNEL | 43.1 | 43.5 | 44.3 | 43.6 | 12-00 | 400 | 0.74 | 40 |
| DELAIR RANGE | 39.6 | 39.9 | 41.6 | 38.3 | 12-00 | 400 | 0.98 | 40 |
| BRIDESBURG CHANNEL | 42.9 | 43.1 | 44.6 | 35.9 | 12-00 | 400 | 0.31 | 40 |
| FRANKFORD CHANNEL | 42.9 | 42.5 | 39.7 | 36.9 | 12-00 | 400 | 1.09 | 40 |
| TACONY CHANNEL | 38.5 | 40.5 | 41.0 | 40.5 | 12-00 | 400 | 1.17 | 40 |
| TORRESDALE RANGE | 38.6 | 39.9 | 41.3 | 41.7 | 10-00 | 400 | 1.39 | 40 |
| MUD ISLAND RANGE | 40.0 | 40.9 | 39.6 | 37.5 | 10-00 | 400 | 1.67 | 40 |
| ENTERPRISE RANGE | 40.6 | 41.8 | 37.3 | 32.4 | 10-00 | 400 | 1.70 | 40 |
| BEVERLY CHANNEL | 32.9 | 39.8 | 41.8 | 34.7 | 10-00 | 400 | 0.65 | 40 |
| EDGEWATER CHANNEL | 32.9 | 38.8 | 40.7 | 38.4 | 10-00 | 400 | 1.37 | 40 |
| DEVLIN CHANNEL | 38.9 | 38.9 | 41.2 | 38.5 | 10-00 | 400 | 1.03 | 40 |
| LEHIGH CHANNEL | 39.1 | 43.0 | 41.8 | 41.1 | 4-00 | 400 | 0.68 | 40 |
| CANAL CHANNEL | 40.4 | 44.8 | 42.7 | 40.3 | 4-00 | 500 | 0.19 | 40 |
| BRISTOL RANGE | 41.6 | 42.6 | 43.1 | 40.3 | 4-00 | 400 | 0.62 | 40 |
| KEYSTONE RANGE | 35.6 | 40.9 | 43.3 | 40.3 | 10-00 | 400 | 0.42 | 40 |
| LANDRETH CHANNEL | 36.5 | 41.1 | 43.8 | 40.5 | 10-00 | 400 | 1.21 | 40 |
| FLORENCE BEND | 40.8 | 41.6 | 42.8 | 34.5 | 8-00 | 500 | 0.61 | 40 |
| FLORENCE RANGE | 32.8 | 42.2 | 42.5 | 36.5 | 8-00 | 400 | 1.34 | 40 |
| ROEBLING RANGE | 31.9 | 42.4 | 42.2 | 40.3 | 8-00 | 400 | 0.34 | 40 |
| KINKORA RANGE | 35.7 | 39.9 | 39.9 | 34.0 | 8-00 | 400 | 1.15 | 40 |
| PENN CHANNEL | 33.0 | 40.6 | 43.3 | 32.3 | 8-00 | 650 | 0.36 | 40 |
| NEWBOLD CHANNEL | 12.6 | 21.4 | 27.9 | 33.0 | 8-00 | 400 | 0.52 | 40 |
| BLAKE CHANNEL | 23.9 | 25.7 | 27.4 | 27.7 | 10-00 | 400 | 0.17 | 25 |
| WHITEHILL RANGE | 24.8 | 24.7 | 24.5 | 25.0 | 10-00 | 300 | 1.03 | 25 |
| RARITAN CHANNEL | 34.8 | 27.4 | 28.2 | 27.1 | 10-00 | 400 | 0.24 | 25 |
| BORDENTOWN RANGE | 19.9 | 22.9 | 24.3 | 23.7 | 11-00 | 300 | 0.65 | 25 |
| DUCK ISLAND RANGE | 18.8 | 18.6 | 19.2 | 18.3 | 11-00 | 300 | 1.25 | 25 |
| PERRIWIG CHANNEL | 20.1 | 20.4 | 20.9 | 20.9 | 11-00 | 400 | 0.24 | 25 |
| BILES ISLAND CHANNEL | 25.3 | 24.1 | 22.7 | 17.7 | 11-00 | 300 | 0.39 | 25 |
| COCHRAN CHANNEL | 29.1 | 27.6 | 23.0 | 17.3 | 11-00 | 300 | 0.31 | 25 |
| MOON CHANNEL | 8.8 | 13.4 | 11.6 | 11.5 | 11-00 | 500 | 0.39 | 25 |
| TRENTON CHANNEL: | | | | | | | | |
| SOUTH REACH | | 10.4 | 10.4 | | 11-00 | 200 | 0.49 | 12 |
| NORTH REACH | | 6.9 | 6.9 | | 11-00 | 200-300 | 0.58 | 12 |

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12332 NM 22/01

RARITAN BAY, ARTHUR KILL AND RARITAN RIVER
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 1999
AND SURVEYS TO JULY 1999

| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|---|
| NAME OF CHANNEL | LEFT OUTSIDE QUARTER | LEFT INSIDE QUARTER | RIGHT INSIDE QUARTER | RIGHT OUTSIDE QUARTER | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT. MILES) | DEPTH MLLW (FEET) |
| WARD POINT BEND (EAST) | 29.7 | 37.8 | 36.5 | 25.7 | 7-99 | 600-800 | 1.1 | 35 |
| WARD POINT BEND (WEST) | 34.4 | 33.9 | 32.8 | 31.0 | 7-99 | 600-800 | 1.3 | 35 |
| OUTERBRIDGE REACH | 33.2 | 34.3 | 35.0 | 32.2 | 4-96,7-99 | 800 | 1.6 | 35 |
| RARITAN RIVER CUTOFF | 16.7 | 19.3 | 19.3 | 11.6 | 3-99 | 600-1100 | 1.0 | 20 |
| WARD POINT SECONDARY CHANNEL | 23.6 | 22.7 | 22.5 | 21.9 | 3-91 | 400 | 0.9 | 30 |
| GREAT BEDS REACH | 13.9 | 17.0 | 17.9 | 18.2 | 4-99 | 300 | 0.8 | 25 |
| SOUTH AMBOY REACH | 12.4 | 16.4 | 18.0 | 16.0 | 4-99 | 300 | 1.2 | 25 |
| SANDY POINT REACH | 15.9 | 18.9 | 20.0 | 23.5 | 4-99 | 300 | 0.9 | 25 |
| KEASBEY REACH | 16.1 | 20.8 | 21.9 | 20.9 | 4-99 | 300 | 0.9 | 25 |
| RED ROOT REACH | 11.6 | 15.8 | 13.9 | 6.7 | 6,7-99,4-99 | 300 | 1.5 | 25 |
| CRAB ISLAND REACH | 15.0 | 14.5 | 14.5 | 12.5 | 9-68 | 200 | 1.2 | 15 |
| NORTHWEST REACH | A8.0 | A7.5 | A7.5 | 12.2 | 7-62 | 200 | 1.2 | 15 |
| TITANIUM REACH | 11.1 | 12.5 | 1.0 | 0.9 | 1-91 | 300 | 0.6 | 25 |
| SOUTH CHANNEL | C2.0 | D4.2 | B4.2 | B2.1 | 7-62;3,4-90 | 150 | 0.7 | 15-10 |

A. SHOALS LOCATED OPPOSITE RARITAN RIVER LIGHT 30 TO 400 YARDS SOUTH; A DEPTH OF 13 FEET FOR A WIDTH OF 200 FEET WAS AVAILABLE TO THE WEST OF THE PROJECT CHANNEL.
B. POSSIBLE 6 FT OBSTRUCTION LOCATED IN 40°29'34.4"N, 74°19'03.0"W.
C. POSSIBLE 6 FT OBSTRUCTION LOCATED IN 40°29'35.4"N, 74°19'04.5"W.
D. POSSIBLE 4 FT OBSTRUCTION LOCATED IN 40°29'37.4"N, 74°19'04.0"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION