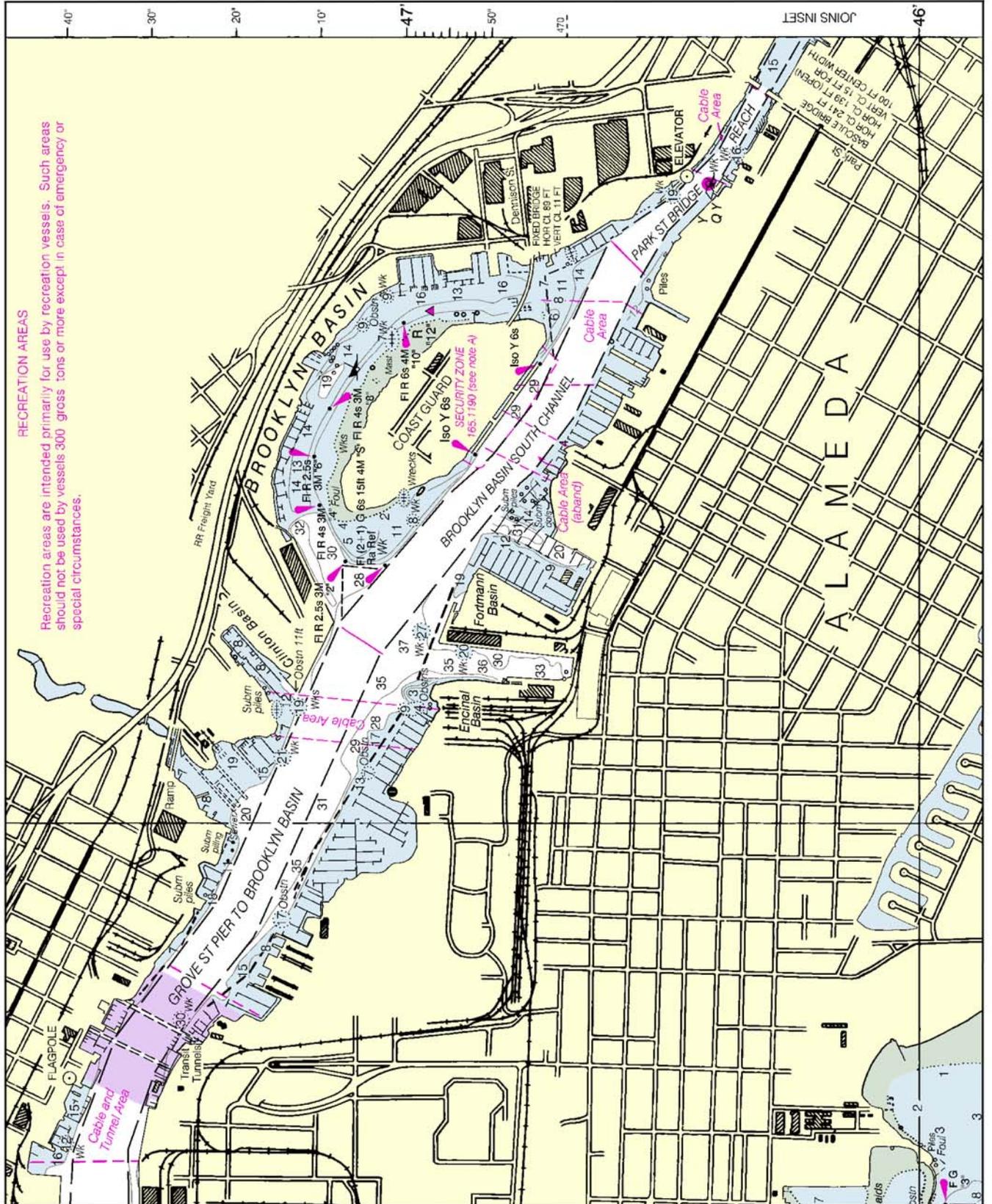


Chart 18650

NM 16/13



SECTION I

Chart 11441

NM 16/13

| KEY WEST HARBOR CHANNEL DEPTHS                                                                |                      |                        |                       |                |                    |                      |              |
|-----------------------------------------------------------------------------------------------|----------------------|------------------------|-----------------------|----------------|--------------------|----------------------|--------------|
| TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2012 AND SURVEYS TO SEP 2012 |                      |                        |                       |                |                    |                      |              |
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)                        |                      |                        |                       |                | 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) |
| MAIN CHANNEL RANGE                                                                            | 31.6                 | 35.0                   | 35.4                  | 9-12           | 300                | 2.68                 | 34           |
| CUT A RANGE                                                                                   | 34.6                 | 34.7                   | 34.2                  | 9-12           | 800                | 1.03                 | 34           |
| CUT B RANGE                                                                                   | A33.8                | 35.7                   | 34.8                  | 9-12           | 800-300            | 1.16                 | 34           |
| THENCE TO BUOY 23                                                                             | 32.3                 | 31.7                   | B32.6                 | 9-12           | 300                | .75                  | 34           |
| BUOY 23 TO TURNING BASIN                                                                      | 30.1                 | 30.2                   | 30.5                  | 9-12           | 300                | .24                  | 30           |
| KEY WEST BIGHT CHANNEL                                                                        | 15.8                 | C,E13.8                | D13.3                 | 9-12           | 150                | .50                  | 12           |
| TURNING BASIN                                                                                 | 12.8                 | 14.2                   | 13.8                  | 9-12           | 125-300            | .10                  | 12           |

A. CORAL HEAD LOCATED WITH A DEPTH OF 32 FEET, LOCATED AT 24°31'46.6"N; 81°48'58.7"W.  
 B. OBSTRUCTION LOCATED WITH A DEPTH OF 30 FEET, LOCATED AT 24°33'30.9"N; 81°48'35.3"W.  
 C. OBSTRUCTION LOCATED WITH A DEPTH OF 14 FEET, LOCATED AT 24°33'47.2"N; 81°48'18.8"W.  
 D. OBSTRUCTION LOCATED WITH A DEPTH OF 25 FEET, LOCATED AT 24°33'44.7"N; 81°48'26.2"W.  
 E. OBSTRUCTION LOCATED WITH A DEPTH OF 13 FEET, LOCATED AT 24°33'49.4"N; 81°47'58.6"W.  
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11447

NM 16/13

| KEY WEST HARBOR CHANNEL DEPTHS                                                                |                      |                        |                       |                |                    |                      |              |
|-----------------------------------------------------------------------------------------------|----------------------|------------------------|-----------------------|----------------|--------------------|----------------------|--------------|
| TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2012 AND SURVEYS TO SEP 2012 |                      |                        |                       |                |                    |                      |              |
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)                        |                      |                        |                       |                | 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) |
| MAIN CHANNEL RANGE                                                                            | 31.6                 | 35.0                   | 35.4                  | 9-12           | 300                | 2.68                 | 34           |
| CUT A RANGE                                                                                   | 34.6                 | 34.7                   | 34.2                  | 9-12           | 800                | 1.03                 | 34           |
| CUT B RANGE                                                                                   | A33.8                | 35.7                   | 34.8                  | 9-12           | 800-300            | 1.16                 | 34           |
| THENCE TO BUOY 23                                                                             | 32.3                 | 31.7                   | B32.6                 | 9-12           | 300                | .75                  | 34           |
| BUOY 23 TO TURNING BASIN                                                                      | 30.1                 | 30.2                   | 30.5                  | 9-12           | 300                | .24                  | 30           |
| KEY WEST BIGHT CHANNEL                                                                        | 15.8                 | C,E13.8                | D13.3                 | 9-12           | 150                | .50                  | 12           |
| TURNING BASIN                                                                                 | 12.8                 | 14.2                   | 13.8                  | 9-12           | 125-300            | .10                  | 12           |

A. CORAL HEAD LOCATED WITH A DEPTH OF 32 FEET, LOCATED AT 24°31'46.6"N; 81°48'58.7"W.  
 B. OBSTRUCTION LOCATED WITH A DEPTH OF 30 FEET, LOCATED AT 24°33'30.9"N; 81°48'35.3"W.  
 C. OBSTRUCTION LOCATED WITH A DEPTH OF 14 FEET, LOCATED AT 24°33'47.2"N; 81°48'18.8"W.  
 D. OBSTRUCTION LOCATED WITH A DEPTH OF 25 FEET, LOCATED AT 24°33'44.7"N; 81°48'26.2"W.  
 E. OBSTRUCTION LOCATED WITH A DEPTH OF 13 FEET, LOCATED AT 24°33'49.4"N; 81°47'58.6"W.  
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11466 (Right Panel)

NM 16/13

| LAKE WORTH INLET CHANNEL DEPTHS                                                               |                      |                        |                       |                |                    |                      |              |
|-----------------------------------------------------------------------------------------------|----------------------|------------------------|-----------------------|----------------|--------------------|----------------------|--------------|
| TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2012 AND SURVEYS TO NOV 2012 |                      |                        |                       |                |                    |                      |              |
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)                        |                      |                        |                       |                | 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                                                                              | 31.6                 | A25.3                  | 13.8                  | 11-12          | 400                | 1.00                 | 35-37        |
| LAKE WORTH INNER CHANNEL                                                                      | 32.4                 | 34.6                   | 33.0                  | 10-12          | 300-480            | .49                  | 33           |

A. EXCEPT FOR A DANGEROUS WRECK AT APPROXIMATE POSITION 26°46'20.24"N, 80°02'12.64"W  
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

Chart 11493

NM N16/13

| ST. MARY'S ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS<br>TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2012<br>AND SURVEYS TO DEC 2012 |                            |                           |                            |                             |                |                    |                            |                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------|----------------------------|-----------------------------|----------------|--------------------|----------------------------|-------------------------|
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)                                                                                      |                            |                           |                            |                             |                | PROJECT DIMENSIONS |                            |                         |
| NAME OF CHANNEL                                                                                                                                             | LEFT<br>OUTSIDE<br>QUARTER | LEFT<br>INSIDE<br>QUARTER | RIGHT<br>INSIDE<br>QUARTER | RIGHT<br>OUTSIDE<br>QUARTER | DATE OF SURVEY | WIDTH<br>(FEET)    | LENGTH<br>(NAUT.<br>MILES) | DEPTH<br>MLLW<br>(FEET) |
| ENTRANCE CHANNEL                                                                                                                                            | 44.5                       | 46.2                      | 46.3                       | 35.7                        | 11,12-12       | 500                | 8.3                        | 46                      |
| RANGE A                                                                                                                                                     | 42.8                       | 46.7                      | 45.1                       | 42.2                        | 10-11          | 482                | 1.34                       | 42                      |
| RANGE A1, A2                                                                                                                                                | 43.8                       | 43.3                      | 40.9                       | 37.8                        | 9,10-11        | 591-834            | 0.66                       | 42                      |
| RANGE B                                                                                                                                                     | 46.5                       | 46.6                      | 46.5                       | 39.6                        | 9-11           | 582-655            | 0.55                       | 42                      |
| RANGE C                                                                                                                                                     | 34.2                       | 42.1                      | 44.9                       | 44.2                        | 9-11           | 498                | 1.19                       | 42                      |
| RANGE D                                                                                                                                                     | 35.0                       | 42.3                      | 41.7                       | 38.4                        | 9-11           | 489-498            | 1.35                       | 42                      |
| RANGE E                                                                                                                                                     | 42.1                       | 42.2                      | 42.3                       | 40.4                        | 9-11           | 512                | 0.87                       | 42                      |
| RANGE F (WARRIOR REACH)                                                                                                                                     | 34.9                       | 39.7                      | 44.3                       | 41.1                        | 9-11           | 564-836            | 0.25                       | 42                      |
| RANGE G (SOUTH TURNING BASIN)                                                                                                                               | 20.9                       | 36.2                      | 40.0                       | 44.6                        | 9-11           | 661-1181           | 0.49                       | 42                      |
| RANGE H (TENNESSEE REACH)                                                                                                                                   | 18.6                       | 38.5                      | 39.6                       | 39.9                        | 9-11           | 482-1197           | 0.83                       | 42                      |
| RANGE I (NORTH TURNING BASIN)                                                                                                                               | 41.2                       | 42.5                      | 43.6                       | 36.7A                       | 6, 9-11        | 493-1425           | 0.46                       | 42                      |

A. EXCEPT FOR SHOALING TO 11.7 FT AT APPROXIMATELY 30°48'41.7"N 81°31'18.1"W  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11494

NM N16/13

| ST. MARY'S ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS<br>TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2012<br>AND SURVEYS TO DEC 2012 |                            |                           |                            |                             |                |                    |                            |                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------|----------------------------|-----------------------------|----------------|--------------------|----------------------------|-------------------------|
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)                                                                                      |                            |                           |                            |                             |                | PROJECT DIMENSIONS |                            |                         |
| NAME OF CHANNEL                                                                                                                                             | LEFT<br>OUTSIDE<br>QUARTER | LEFT<br>INSIDE<br>QUARTER | RIGHT<br>INSIDE<br>QUARTER | RIGHT<br>OUTSIDE<br>QUARTER | DATE OF SURVEY | WIDTH<br>(FEET)    | LENGTH<br>(NAUT.<br>MILES) | DEPTH<br>MLLW<br>(FEET) |
| ENTRANCE CHANNEL                                                                                                                                            | 44.5                       | 46.2                      | 46.3                       | 35.7                        | 11,12-12       | 500                | 8.3                        | 46                      |
| RANGE A                                                                                                                                                     | 42.8                       | 46.7                      | 45.1                       | 42.2                        | 10-11          | 482                | 1.34                       | 42                      |
| RANGE A1, A2                                                                                                                                                | 43.8                       | 43.3                      | 40.9                       | 37.8                        | 9,10-11        | 591-834            | 0.66                       | 42                      |
| RANGE B                                                                                                                                                     | 46.5                       | 46.6                      | 46.5                       | 39.6                        | 9-11           | 582-655            | 0.55                       | 42                      |
| RANGE C                                                                                                                                                     | 34.2                       | 42.1                      | 44.9                       | 44.2                        | 9-11           | 498                | 1.19                       | 42                      |
| RANGE D                                                                                                                                                     | 35.0                       | 42.3                      | 41.7                       | 38.4                        | 9-11           | 489-498            | 1.35                       | 42                      |
| RANGE E                                                                                                                                                     | 42.1                       | 42.2                      | 42.3                       | 40.4                        | 9-11           | 512                | 0.87                       | 42                      |

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

Chart 11503

NM 16/13

| ST. MARY'S ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS<br>TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2012<br>AND SURVEYS TO DEC 2012 |                            |                           |                            |                             |                |                    |                            |                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------|----------------------------|-----------------------------|----------------|--------------------|----------------------------|-------------------------|
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)                                                                                      |                            |                           |                            |                             |                | PROJECT DIMENSIONS |                            |                         |
| NAME OF CHANNEL                                                                                                                                             | LEFT<br>OUTSIDE<br>QUARTER | LEFT<br>INSIDE<br>QUARTER | RIGHT<br>INSIDE<br>QUARTER | RIGHT<br>OUTSIDE<br>QUARTER | DATE OF SURVEY | WIDTH<br>(FEET)    | LENGTH<br>(NAUT.<br>MILES) | DEPTH<br>MLLW<br>(FEET) |
| ENTRANCE CHANNEL                                                                                                                                            | 44.5                       | 46.2                      | 46.3                       | 35.7                        | 11,12-12       | 500                | 8.3                        | 46                      |
| RANGE A                                                                                                                                                     | 42.8                       | 46.7                      | 45.1                       | 42.2                        | 10-11          | 482                | 1.34                       | 42                      |
| RANGE A1, A2                                                                                                                                                | 43.8                       | 43.3                      | 40.9                       | 37.8                        | 9,10-11        | 591-834            | 0.66                       | 42                      |
| RANGE B                                                                                                                                                     | 46.5                       | 46.6                      | 46.5                       | 39.6                        | 9-11           | 582-655            | 0.55                       | 42                      |
| RANGE C                                                                                                                                                     | 34.2                       | 42.1                      | 44.9                       | 44.2                        | 9-11           | 498                | 1.19                       | 42                      |
| RANGE D                                                                                                                                                     | 35.0                       | 42.3                      | 41.7                       | 38.4                        | 9-11           | 489-498            | 1.35                       | 42                      |
| RANGE E                                                                                                                                                     | 42.1                       | 42.2                      | 42.3                       | 40.4                        | 9-11           | 512                | 0.87                       | 42                      |
| RANGE F (WARRIOR REACH)                                                                                                                                     | 34.9                       | 39.7                      | 44.3                       | 41.1                        | 9-11           | 564-836            | 0.25                       | 42                      |
| RANGE G (SOUTH TURNING BASIN)                                                                                                                               | 20.9                       | 36.2                      | 40.0                       | 44.6                        | 9-11           | 661-1181           | 0.49                       | 42                      |
| RANGE H (TENNESSEE REACH)                                                                                                                                   | 18.6                       | 38.5                      | 39.6                       | 39.9                        | 9-11           | 482-1197           | 0.83                       | 42                      |
| RANGE I (NORTH TURNING BASIN)                                                                                                                               | 41.2                       | 42.5                      | 43.6                       | 36.7A                       | 6, 9-11        | 493-1425           | 0.46                       | 42                      |

A. EXCEPT FOR SHOALING TO 11.7 FT AT APPROXIMATELY 30°48'41.7"N 81°31'18.1"W  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11505

NM 16/13

| SAVANNAH RIVER CHANNEL DEPTHS                                          |                            |                           |                            |                             |                |                    |                   |                         |
|------------------------------------------------------------------------|----------------------------|---------------------------|----------------------------|-----------------------------|----------------|--------------------|-------------------|-------------------------|
| TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2013  |                            |                           |                            |                             |                |                    |                   |                         |
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) |                            |                           |                            |                             |                | PROJECT DIMENSIONS |                   |                         |
| NAME OF CHANNEL                                                        | LEFT<br>OUTSIDE<br>QUARTER | LEFT<br>INSIDE<br>QUARTER | RIGHT<br>INSIDE<br>QUARTER | RIGHT<br>OUTSIDE<br>QUARTER | DATE OF SURVEY | WIDTH<br>(FEET)    | LENGTH<br>(MILES) | DEPTH<br>MLLW<br>(FEET) |
| TYBEE RANGE                                                            | 42.5                       | 43.5                      | 44.5                       | 42.0                        | 2-13           | 600                | 3.79              | 44                      |
| BLOODY POINT RANGE                                                     | 41.0                       | 43.5                      | 43.5                       | 40.5                        | 2-13           | 600                | 3.41              | 44                      |
| JONES ISLAND RANGE                                                     | 43.0                       | 43.0                      | 44.0                       | 43.0                        | 2-13           | 600                | 1.33              | 44                      |
| TYBEE KNOLL CUT RANGE                                                  | 42.5                       | 44.0                      | 43.5                       | 42.5                        | 2-13           | 500                | 2.84              | 42                      |

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.  
NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.  
NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11506

NM 16/13

| BRUNSWICK HARBOR CHANNEL DEPTHS                                        |                            |                           |                            |                             |                |                    |                   |                         |
|------------------------------------------------------------------------|----------------------------|---------------------------|----------------------------|-----------------------------|----------------|--------------------|-------------------|-------------------------|
| TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2013  |                            |                           |                            |                             |                |                    |                   |                         |
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) |                            |                           |                            |                             |                | PROJECT DIMENSIONS |                   |                         |
| NAME OF CHANNEL                                                        | LEFT<br>OUTSIDE<br>QUARTER | LEFT<br>INSIDE<br>QUARTER | RIGHT<br>INSIDE<br>QUARTER | RIGHT<br>OUTSIDE<br>QUARTER | DATE OF SURVEY | WIDTH<br>(FEET)    | LENGTH<br>(MILES) | DEPTH<br>MLLW<br>(FEET) |
| ENTRANCE THRU TURTLE RIVER                                             |                            |                           |                            |                             |                |                    |                   |                         |
| ST. SIMONS RANGE                                                       | 29.0                       | 33.0                      | 34.0                       | 28.5                        | 12-12, 1-13    | 500                | 9.7               | 38                      |
| PLANTATION CREEK RANGE (A)                                             | 36.0                       | 40.0                      | 42.0                       | 42.0                        | 12-12, 1-13    | 400                | 1.8               | 36                      |
| JEKYLL ISLAND RANGE (B)                                                | 39.5                       | 39.0                      | 37.0                       | 38.0                        | 1-13           | 400                | 1.9               | 36                      |
| CEDAR HAMMOCK RANGE (C)                                                | 37.0                       | 37.0                      | 36.0                       | 33.0                        | 1-13           | 400                | 1.4               | 36                      |
| BRUNSWICK POINT CUT RANGE                                              | 35.0                       | 37.0                      | 38.0                       | 36.5                        | 1-13           | 400                | 2.4               | 36                      |
| TURTLE RIVER LOWER RANGE                                               | 36.5                       | 37.5                      | 37.0                       | 37.0                        | 1-13           | 400                | 1.8               | 36                      |
| BLYTHE ISLAND RANGE                                                    | 30.0                       | 30.0                      | 28.0                       | 27.0                        | 1-13           | 300                | 1.5               | 30                      |
| TURTLE RIVER UPPER RANGE                                               | 30.5                       | 30.5                      | 28.5                       | 27.0                        | 1-13           | 300                | 2.7               | 30                      |
| EAST RIVER (D)                                                         |                            |                           |                            |                             |                |                    |                   |                         |
| ENTRANCE TO SECOND AVE (E)                                             | 39.0                       | 36.0                      | 37.0                       | 36.0                        | 1-13           | 400                | 1.2               | 37-41                   |
| SECOND AVE TO MAYOR'S POINT                                            | 37.5                       | 37.5                      | 38.5                       | 38.0                        | 1-13           | 400                | 1.0               | 36                      |
| SOUTH BRUNSWICK RIVER (F & G)                                          | 36.0                       | 37.5                      | 37.0                       | 35.0                        | 1-13           | 400                | 1.3               | 36                      |

A. THE WIDENER AT INTERSECTION OF PLANTATION CREEK RANGE AND JEKYLL ISLAND RANGE LEAST DEPTHS WERE 46.0 FEET, LOCATED 100 FEET INSIDE THE CHANNEL LIMIT, AND 53.0 FEET, LOCATED 400 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE.  
B. THE WIDENER AT INTERSECTION OF JEKYLL ISLAND RANGE AND CEDAR HAMMOCK RANGE LEAST DEPTH WAS 38.0 FEET, LOCATED 75 FEET INSIDE THE CHANNEL LIMIT FROM THE RIGHT SIDE.  
C. THE WIDENER AT INTERSECTION OF CEDAR HAMMOCK RANGE AND BRUNSWICK POINT CUT RANGE LEAST DEPTH WAS 36.0 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT FROM THE RIGHT SIDE.  
D. THE EAST RIVER TURNING BASIN LEAST DEPTHS WERE 40.0 FEET 100 FEET FROM BACKSIDE, 38.0 FEET 400 FEET FROM BACKSIDE AND 38.0 FEET 600 FEET FROM BACKSIDE.  
E. THE EAST RIVER ENTRANCE TO SECOND AVE WIDENER LEAST DEPTHS WERE 36.0 FEET LOCATED 50 FEET INSIDE THE CHANNEL LIMIT AND 38.0 FEET LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE, AND 41.0 FEET LOCATED 75 FEET INSIDE THE CHANNEL LIMIT FROM THE RIGHT SIDE.  
F. THE SOUTH BRUNSWICK RIVER TURNING BASIN LEAST DEPTHS WERE 40.0 FEET, 100 FEET AND 40.0 FEET, 400 FEET FROM THE LEFT SIDE AND 40.0 FEET, 100 FEET AND 38.0 FEET, 400 FEET FROM THE RIGHT SIDE.  
G. THE SOUTH BRUNSWICK RIVER GPA DOCK LEAST DEPTHS WERE 35.5 FEET ALONG THE DOCK AND 35.5 FEET ON THE RIGHT SIDE.  
H. EXCEPT FOR A 35 FEET OBSTRUCTION LOCATED BY A NOS SURVEY OF JUL 2006 AT 31°04'15.5"N, 081°16'57.4"W.  
I. EXCEPT FOR A DANGEROUS WRECK LOCATED IN APPROXIMATE POSITION 31°08'49.8"N, 81°29'59.3"W.  
NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50 FEET INSIDE THE CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN)  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11512

NM 16/13

| SAVANNAH RIVER CHANNEL DEPTHS                                          |                            |                           |                            |                             |                |                    |                   |                         |
|------------------------------------------------------------------------|----------------------------|---------------------------|----------------------------|-----------------------------|----------------|--------------------|-------------------|-------------------------|
| TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2013  |                            |                           |                            |                             |                |                    |                   |                         |
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) |                            |                           |                            |                             |                | PROJECT DIMENSIONS |                   |                         |
| NAME OF CHANNEL                                                        | LEFT<br>OUTSIDE<br>QUARTER | LEFT<br>INSIDE<br>QUARTER | RIGHT<br>INSIDE<br>QUARTER | RIGHT<br>OUTSIDE<br>QUARTER | DATE OF SURVEY | WIDTH<br>(FEET)    | LENGTH<br>(MILES) | DEPTH<br>MLLW<br>(FEET) |
| TYBEE RANGE                                                            | 42.5                       | 43.5                      | 44.5                       | 42.0                        | 2-13           | 600                | 3.79              | 44                      |
| BLOODY POINT RANGE                                                     | 41.0                       | 43.5                      | 43.5                       | 40.5                        | 2-13           | 600                | 3.41              | 44                      |
| JONES ISLAND RANGE                                                     | 43.0                       | 43.0                      | 44.0                       | 43.0                        | 2-13           | 600                | 1.33              | 44                      |
| TYBEE KNOLL CUT RANGE                                                  | 42.5                       | 44.0                      | 43.5                       | 42.5                        | 2-13           | 500                | 2.84              | 42                      |
| NEW CHANNEL RANGE (A)                                                  | 41.0                       | 43.5                      | 42.5                       | 42.5                        | 2-13           | 500                | 1.89              | 42                      |
| L. I. CROSSING RANGE                                                   | 40.5                       | 41.0                      | 41.0                       | 39.5                        | 2-13           | 500                | 3.03              | 42                      |
| LOWER FLATS RANGE                                                      | 39.5                       | 44.0                      | 43.0                       | 41.5                        | 2-13           | 500                | 1.52              | 42                      |
| UPPER FLATS RANGE                                                      | 45.5                       | 45.5                      | 44.5                       | 41.5                        | 2-13           | 500                | 1.33              | 42                      |
| THE BIGHT CHANNEL                                                      | 45.0                       | 46.5                      | 46.5                       | 47.5                        | 2-13           | 500                | 1.7               | 42                      |
| FT. JACKSON RANGE                                                      | 43.5                       | 46.0                      | 45.5                       | 44.0                        | 2-13           | 500                | 0.76              | 42                      |
| OGLETHORPE RANGE                                                       | 41.0                       | 44.5                      | 45.0                       | 45.5                        | 2-13           | 500                | 1.33              | 42                      |
| WRECKS CHANNEL (B)                                                     | 39.5                       | 44.0                      | 46.0                       | 45.5                        | 2-13           | 500                | 1.7               | 42                      |
| CITY FRONT CHANNEL                                                     | 41.0                       | 44.5                      | 44.0G                      | 37.0                        | 2-13           | 500                | 1.7               | 42                      |
| MARSH ISLAND CHANNEL (C)                                               | 40.0H                      | 42.0                      | 44.0                       | 40.5                        | 2-13           | 500                | 1.9               | 42                      |
| KINGS ISLAND CHANNEL (D)                                               | 39.0                       | 43.5                      | 42.5                       | 41.0I                       | 2-13           | 500                | 2.46              | 42                      |
| WHITEHALL CHANNEL (E)                                                  | 28.0                       | 27.0                      | 28.0                       | 28.0                        | 2-13           | 400                | 0.66              | 42-36                   |
| PORT WENTWORTH CHANNEL (F)                                             | 30.0J                      | 26.0                      | 24.5                       | 32.0                        | 12-94; 2-13    | 200                | 1.33              | 30                      |

A. OYSTER BED I, TURNING BASIN-CONTROLLING DEPTH 43.0 FT, 40.0 FT 100 FT FROM BACKSIDE.  
 B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 39.0 FT, 33.0 FT 100 FT FROM BACKSIDE.  
 C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 30.5 FT, 21.5 FT 100 FT FROM BACKSIDE.  
 D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 46.0 FT, 50.0 FT 100 FT FROM BACKSIDE.  
 E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 26.0 FT 100 FT FROM BACKSIDE.  
 F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 25.0 FT, 16.0 FT 100 FT FROM BACKSIDE.  
 G. EXCEPT FOR A 41 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'00.06"N 81°05'27.07"W  
 H. EXCEPT FOR A 39 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'18.29"N 81°05'58.89"W  
 I. EXCEPT FOR A 38 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°07'27.45"N 81°08'02.29"W  
 J. EXCEPT FOR A 31 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°09'15.04"N 81°09'11.46"W

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.  
 NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.  
 NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11514 (Side A)

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| SAVANNAH RIVER CHANNEL DEPTHS                                          |                            |                           |                            |                             |                |                    |                   |                         |
|------------------------------------------------------------------------|----------------------------|---------------------------|----------------------------|-----------------------------|----------------|--------------------|-------------------|-------------------------|
| TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2013  |                            |                           |                            |                             |                |                    |                   |                         |
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) |                            |                           |                            |                             |                | PROJECT DIMENSIONS |                   |                         |
| NAME OF CHANNEL                                                        | LEFT<br>OUTSIDE<br>QUARTER | LEFT<br>INSIDE<br>QUARTER | RIGHT<br>INSIDE<br>QUARTER | RIGHT<br>OUTSIDE<br>QUARTER | DATE OF SURVEY | WIDTH<br>(FEET)    | LENGTH<br>(MILES) | DEPTH<br>MLLW<br>(FEET) |
| OGLETHORPE RANGE                                                       | 41.0                       | 44.5                      | 45.0                       | 45.0                        | 2-13           | 500                | 1.33              | 42                      |
| WRECKS CHANNEL (A)                                                     | 39.5                       | 44.0                      | 46.0                       | 45.5                        | 2-13           | 500                | 1.7               | 42                      |
| CITY FRONT CHANNEL                                                     | 41.0                       | 44.5                      | 44.0F                      | 37.0                        | 2-13           | 500                | 1.7               | 42                      |
| MARSH ISLAND CHANNEL (B)                                               | 40.0G                      | 42.0                      | 44.0                       | 40.5                        | 2-13           | 500                | 1.9               | 42                      |
| KINGS ISLAND CHANNEL (C)                                               | 39.0                       | 43.5                      | 42.5                       | 41.0H                       | 2-13           | 500                | 2.46              | 42                      |
| WHITEHALL CHANNEL (D)                                                  | 28.0                       | 27.0                      | 28.0                       | 28.0                        | 2-13           | 400                | 0.66              | 42-36                   |
| PORT WENTWORTH CHANNEL (E)                                             | 30.0I                      | 26.0                      | 24.5                       | 32.0                        | 12-94; 2-13    | 200                | 1.33              | 30                      |

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 39.0 FT, 33.0 FT 100 FT FROM BACKSIDE.  
 B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 30.5 FT, 21.5 FT 100 FT FROM BACKSIDE.  
 C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 46.0 FT, 50.0 FT 100 FT FROM BACKSIDE.  
 D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 26.0 FT 100 FT FROM BACKSIDE.  
 E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 25.0 FT, 16.0 FT 100 FT FROM BACKSIDE.  
 F. EXCEPT FOR A 41 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'00.06"N 81°05'27.07"W  
 G. EXCEPT FOR A 39 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'18.29"N 81°05'58.99"W  
 H. EXCEPT FOR A 38 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°07'27.45"N 81°08'02.29"W  
 I. EXCEPT FOR A 31 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°09'15.04"N 81°09'11.46"W

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.  
 NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.  
 NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

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Chart 11524

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| CHARLESTON HARBOR, COOPER RIVER AND SHIPYARD RIVER<br>TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- SURVEYS TO DEC 2012 |                            |                           |                            |                             |                   |                    |                   |                         |
|-----------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------|----------------------------|-----------------------------|-------------------|--------------------|-------------------|-------------------------|
| CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)                                                      |                            |                           |                            |                             |                   | PROJECT DIMENSIONS |                   |                         |
| NAME OF CHANNEL                                                                                                             | LEFT<br>OUTSIDE<br>QUARTER | LEFT<br>INSIDE<br>QUARTER | RIGHT<br>INSIDE<br>QUARTER | RIGHT<br>OUTSIDE<br>QUARTER | DATE OF SURVEY    | WIDTH<br>(FEET)    | LENGTH<br>(MILES) | DEPTH<br>MLLW<br>(FEET) |
| ENTRANCE CHANNEL                                                                                                            | 45.5                       | 48.6                      | 47.4                       | 46.3                        | 9-12              | A1000              | 17.5              | B47                     |
| MOUNT PLEASANT RANGE                                                                                                        | 45.9                       | 50.3                      | 50.2                       | 49.1                        | 9-12              | 1000-600           | 1.8               | 45                      |
| REBELLION REACH                                                                                                             | 46.7                       | 48.7                      | 49.9                       | 47.1                        | 9-12              | 800                | 1.6               | 45                      |
| BENNIS REACH                                                                                                                | 45.2                       | 48.7                      | 47.9                       | 47.6                        | 9-12              | 600                | 1.5               | 45                      |
| HORSE REACH                                                                                                                 | 50.4                       | 50.6                      | 50.3                       | 45.6                        | 9-12              | (C) VARIES         | 0.6               | 45                      |
| CUSTOMHOUSE REACH                                                                                                           | 35.0                       | 49.0                      | 48.0                       | 47.0                        | 4-10              | 1385               | 0.2               | 45                      |
| SOUTH CHANNEL                                                                                                               | 25.0                       | 25.0                      | 25.0                       | D25.0                       | 10-96; 11-10      | 600-1000           | 3.6               | 45                      |
| HOG ISLAND REACH                                                                                                            | 47.3                       | 46.7                      | 47.2                       | 44.5                        | 9-12              | (E) 800-600        | 1.7               | 45                      |
| DRUM ISLAND REACH                                                                                                           | 44.6                       | 49.3                      | 48.5                       | 47.1                        | 9-12              | 1200-600           | 0.8               | 45                      |
| TIDEWATER REACH                                                                                                             | F96.4                      | F35.1                     | F35.1                      | F35.7                       | 9-12              | 650                | 0.7               | 45                      |
| TOWN CREEK LOWER REACH                                                                                                      | F38.5                      | F42.2                     | F45.2                      | F47.2                       | 9-12              | 450-400            | 1.1               | 45                      |
| TOWN CREEK LOWER REACH TB                                                                                                   | 42.4                       | 37.5                      | 37.5                       | 38.1                        | 9-12              | 300                | 0.25              | 35                      |
| TOWN CREEK UPPER REACH                                                                                                      | 40.7                       | 40.5                      | 40.5                       | 41.7                        | 7-11              | 250                | 1.0               | 16                      |
| MYERS BEND                                                                                                                  | 49.9                       | 49.3                      | 48.1                       | 46.5                        | 9-12              | VARIES             | 0.5               | 45                      |
| DANIEL ISLAND REACH                                                                                                         | 47.3                       | 47.8                      | 46.4                       | 45.5                        | 12-12             | 880                | 1.4               | 45                      |
| DANIEL ISLAND BEND                                                                                                          | 49.2                       | 50.6                      | 51.4                       | 49.6                        | 12-12             | (G) 800-700        | 0.5               | 45                      |
| CLOUTER CREEK REACH                                                                                                         | 45.2                       | 48.0                      | 48.3                       | 44.4                        | 12-12             | 600                | 1.3               | 45                      |
| NAVY YARD REACH                                                                                                             | 43.7                       | 48.1                      | 47.8                       | 39.5                        | 12-12             | 600-700            | 1.1               | 45                      |
| NORTH CHARLESTON REACH                                                                                                      | 46.5                       | 49.3                      | 47.2                       | 46.8                        | 12-12             | 500-600            | 1.0               | 45                      |
| FILBIN CREEK REACH                                                                                                          | 43.9                       | 47.7                      | 50.0                       | 48.0                        | 12-12             | 500                | 0.9               | 45                      |
| PORT TERMINAL REACH                                                                                                         | 44.3                       | 46.6                      | 48.9                       | 47.5                        | 12-12             | 600                | 0.7               | 45                      |
| ORDNANCE REACH                                                                                                              | 37.7                       | 38.5                      | 41.4                       | 41.5                        | 12-12             | 600                | 0.4               | 45                      |
| ORDNANCE REACH TURNING BASIN                                                                                                | 42.3                       | 34.4                      | 34.4                       | 31.5                        | 12-12             | 800                | 0.4               | 45                      |
| WANDO RIVER                                                                                                                 |                            |                           |                            |                             |                   |                    |                   |                         |
| LOWER REACH                                                                                                                 | 47.4                       | 48.0                      | 48.5                       | 46.4                        | 9-12              | 1500-400           | 1.4               | 45                      |
| UPPER REACH                                                                                                                 | F45.6                      | F46.2                     | F46.2                      | F44.3                       | 9-12              | 850-600            | 0.9               | 45                      |
| TURNING BASIN                                                                                                               | 46.7                       | 48.7                      | 47.7                       | 47.7                        | 9-12              | 550                | 0.4               | 45                      |
| SHIPYARD CREEK                                                                                                              |                            |                           |                            |                             |                   |                    |                   |                         |
| MAIN CHANNEL                                                                                                                | 25.9                       | 28.0                      | 28.0                       | 23.7                        | 9-12              | 1200-200           | 1.1               | 45-30                   |
| LOWER TURNING BASIN                                                                                                         | 37.0                       | 39.8                      | 39.8                       | 35.7                        | 9-12              | VARIES             | 0.2               | 45                      |
| UPPER TURNING BASIN                                                                                                         | 21.9                       | 21.3                      | 21.3                       | 21.0                        | 9-12              | VARIES             | 0.1               | 30                      |
| COOPER RIVER                                                                                                                |                            |                           |                            |                             |                   |                    |                   |                         |
| RANGE A                                                                                                                     | 39.0                       | 39.0                      | 39.0                       | H37.0                       | 6-11; 9-11        | 400-650            | 1.2               | 35                      |
| RANGE B                                                                                                                     | 32.6                       | 35.1                      | 35.1                       | 35.0                        | 3-10; 6-11        | 500-700            | 0.9               | 35                      |
| RANGE C                                                                                                                     | 22.0                       | 32.8                      | 39.0                       | 35.0                        | 1-99; 12-03; 6-11 | 550-1000           | 0.9               | 35                      |
| RANGE D                                                                                                                     | 29.8                       | 30.0                      | 28.0                       | 26.0                        | 3-10; 6-11        | 400-650            | 0.7               | 35                      |
| RANGE E                                                                                                                     | 31.0                       | 36.0                      | 38.0                       | 38.0                        | 6-11              | 350-650            | 0.4               | 35                      |
| RANGE F                                                                                                                     | 25.0                       | 34.0                      | 36.0                       | 34.0                        | 1-95; 6-11        | 650-800            | 0.3               | 35                      |

A. MAINTAINED 800 FEET WIDE.  
B. FOR WIDTH OF 1000 FEET, THE PROJECT DEPTH IS 42 FEET FOR OUTER 100 FEET.  
C. ONLY REPORTING 600' WIDTH FROM RIGHT TOE OF CHANNEL.  
D. ALONG CHANNEL EDGE.  
E. ONLY REPORTING 600' WIDTH FROM LEFT TOE OF CHANNEL.  
F. NEAR END OF PIER.  
G. REPORTING 300' LEFT AND RIGHT OF CENTERLINE.  
H. 31.0 FT ALONG CHANNEL EDGE.

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