

Chart 11412

NM 35/13

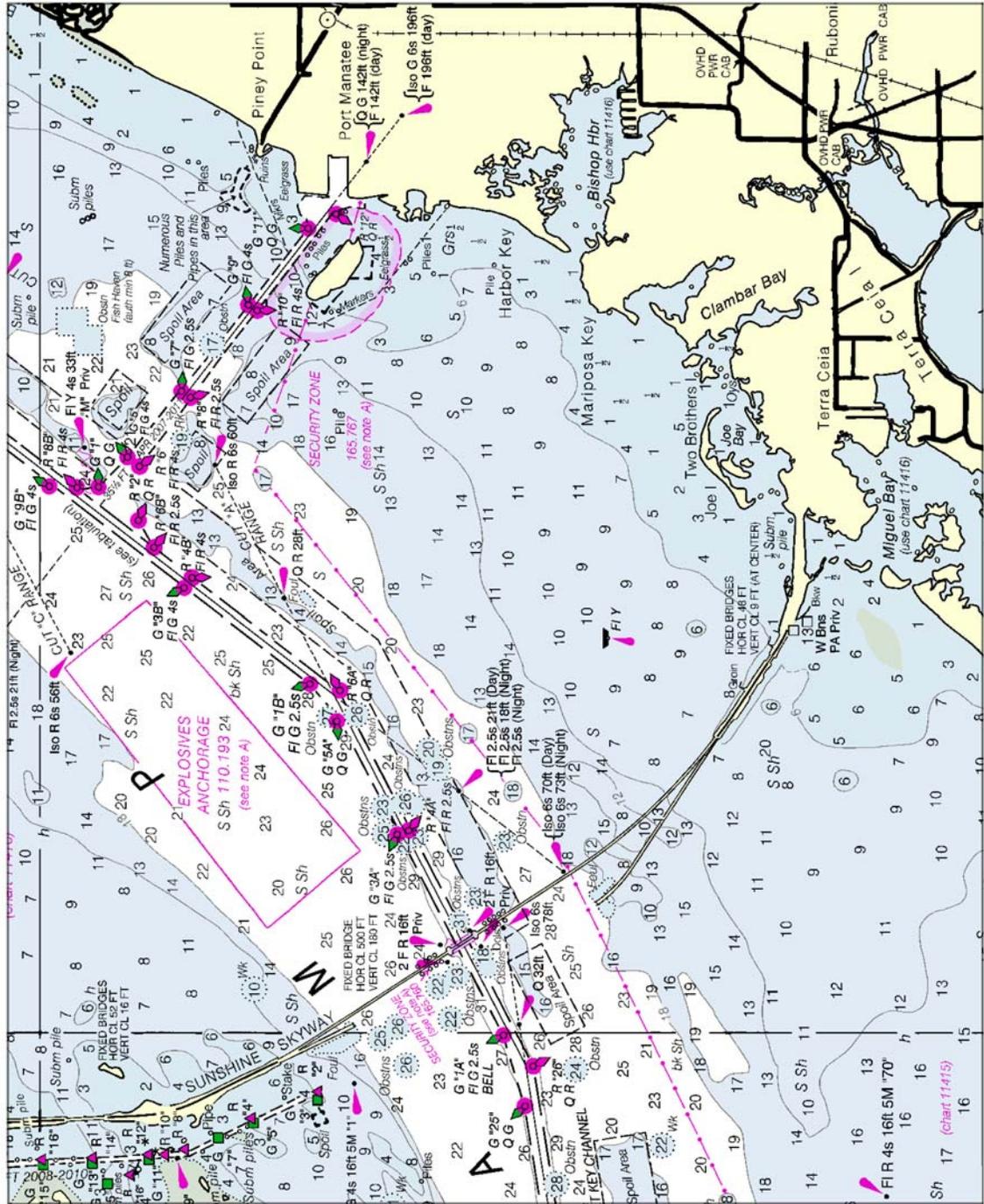






Chart 11505

NM 35/13

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2013								
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 (MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	43.5	43.5	45.0	42.0	5-13	600	3.79	44
BLOODY POINT RANGE	41.5	43.5	43.5	41.0	5-13	600	3.41	44
JONES ISLAND RANGE	43.5	43.0	43.5	43.5	5-13	600	1.33	44
TYBEE KNOLL CUT RANGE	42.0	44.0	43.5	43.0	5-13	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 35/13

BRUNSWICK HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2013								
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 (MILES)	DEPTH MLLW (FEET)
ENTRANCE THRU TURTLE RIVER								
ST. SIMONS RANGE	33.0	34.0	33.5	32.0	5-13	500	9.7	38
PLANTATION CREEK RANGE (A)	35.5	39.5	41.5	42.0	5-13	400	1.8	36
JEKYLL ISLAND RANGE (B)	39.0	38.5	37.5	37.0	5-13	400	1.9	36
CEDAR HAMMOCK RANGE (C)	35.5	36.0	34.5	32.0	5-13	400	1.4	36
BRUNSWICK POINT CUT RANGE	35.0	36.0	37.5	36.5	5-13	400	2.4	36
TURTLE RIVER LOWER RANGE	37.0	37.0	37.0	36.0	5-13	400	1.8	36
BLYTHE ISLAND RANGE	30.0	28.5	27.5	26.5	5-13	300	1.5	30
TURTLE RIVER UPPER RANGE	30.5	30.0	28.0	27.0	5-13	300	2.7	30
EAST RIVER (D)								
ENTRANCE TO SECOND AVE (E)	38.0	36.5	37.0	36.5	5-13	400	1.2	37-41
SECOND AVE TO MAYOR'S POINT	137.5	37.5	38.5	38.5	5-13	400	1.0	36
SOUTH BRUNSWICK RIVER (F & G)	36.5	37.5	37.0	36.0	5-13	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 52.0 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 37.0 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 35.5 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 39.0 FEET, 400 FEET FROM THE RIGHT SIDE.  
G. THE SOUTH BRUNSWICK RIVER GPA DOCK LEAST DEPTHS WERE 35.5 FEET ALONG THE DOCK AND 36.0 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

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SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2013								
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 (MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	43.5	43.5	45.0	42.0	5-13	600	3.79	44
BLOODY POINT RANGE	41.5	43.5	43.5	41.0	5-13	600	3.41	44
JONES ISLAND RANGE	43.5	43.0	43.5	43.5	5-13	600	1.33	44
TYBEE KNOLL CUT RANGE	42.0	44.0	43.5	43.0	5-13	500	2.84	42
NEW CHANNEL RANGE (A)	40.0	43.0	43.5	42.0	5-13	500	1.89	42
L. I. CROSSING RANGE	42.5	42.0	43.5	42.5	5-13	500	3.03	42
LOWER FLATS RANGE	44.0	43.5	44.0	39.0	5-13	500	1.52	42
UPPER FLATS RANGE	45.0	45.5	45.0	41.5	5-13	500	1.33	42
THE BIGHT CHANNEL	45.0	46.0	47.5	46.5	5-13	500	1.7	42
FT. JACKSON RANGE	43.0	45.5	46.5	43.5	5-13	500	0.76	42
OGLETHORPE RANGE	44.0	44.0	46.0	44.5	5-13	500	1.33	42
WRECKS CHANNEL (B)	39.0	42.5	46.0	45.0	5-13	500	1.7	42
CITY FRONT CHANNEL	41.0	45.0	44.5G	40.5	5-13	500	1.7	42
MARSH ISLAND CHANNEL (C)	41.0H	43.0	43.5	39.5	5-13	500	1.9	42
KINGS ISLAND CHANNEL (D)	39.5	41.0	42.5	39.0I	5-13	500	2.46	42
WHITEHALL CHANNEL (E)	26.0	28.0	29.0	29.0	5-13	400	0.66	42-36
PORT WENTWORTH CHANNEL (F)	30.0J	25.0	24.0	32.0	12-94; 5-13	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 38.0 FT, 32.0 FT 100 FT FROM BACKSIDE.  
C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 30.0 FT, 22.0 FT 100 FT FROM BACKSIDE.  
D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 45.0 FT, 49.5 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, 17.0 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°05'58.99"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)

NM 35/13

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2013								
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 (MILES)	DEPTH MLLW (FEET)
OGLETHORPE RANGE	44.0	44.0	46.0	44.5	5-13	500	1.33	42
WRECKS CHANNEL (A)	39.0	42.5	46.0	45.0	5-13	500	1.7	42
CITY FRONT CHANNEL	41.0	45.0	44.5F	40.5	5-13	500	1.7	42
MARSH ISLAND CHANNEL (B)	41.0G	43.0	43.5	39.5	5-13	500	1.9	42
KINGS ISLAND CHANNEL (C)	39.5	41.0	42.5	39.0H	5-13	500	2.46	42
WHITEHALL CHANNEL (D)	26.0	28.0	29.0	29.0	5-13	400	0.66	42-36
PORT WENTWORTH CHANNEL (E)	30.0I	25.0	24.0	32.0	12-94; 5-13	200	1.33	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT, 32.0 FT 100 FT FROM BACKSIDE.  
B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 30.0 FT, 22.0 FT 100 FT FROM BACKSIDE.  
C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 45.0 FT, 49.5 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, 17.0 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

NM 35/13

Chart 11521

NM 35/13

CHARLESTON HARBOR ENTRANCE								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 2013								
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 (MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	43.1	47.7	48.0	43.9	3-13	A1000	17.5	B47
MOUNT PLEASANT RANGE	46.6	50.0	50.2	48.9	3-13	1000-600	1.8	45
A. MAINTAINED 800 FEET WIDE. B. FOR WIDTH OF 1000 FEET, THE PROJECT DEPTH IS 42 FEET FOR OUTER 100 FEET. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11523

NM 35/13

CHARLESTON HARBOR ENTRANCE								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 2013								
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 (MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	43.1	47.7	48.0	43.9	3-13	A1000	17.5	B47
MOUNT PLEASANT RANGE	46.6	50.0	50.2	48.9	3-13	1000-600	1.8	45
REBELLION REACH	46.0	47.9	49.8	46.2	3-13	600	1.6	45
A. MAINTAINED 800 FEET WIDE. B. FOR WIDTH OF 1000 FEET, THE PROJECT DEPTH IS 42 FEET FOR OUTER 100 FEET. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

SECTION I

NM 35/13

Chart 11524

NM 35/13

CHARLESTON HARBOR, COOPER RIVER AND SHIPYARD RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- SURVEYS TO APR 2013								
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 (MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	43.1	47.7	48.0	43.9	3-13	A1000	17.5	B47
MOUNT PLEASANT RANGE	46.6	50.0	50.2	48.9	3-13	1000-600	1.8	45
REBELLION REACH	46.0	47.9	49.8	46.2	3-13	600	1.6	45
BENNIS REACH	45.2	48.3	47.8	47.5	3-13	600	1.5	45
HORSE REACH	50.8	50.6	49.9	45.0	3-13	(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	46.5	46.6	45.7	43.2	3-13	(E) 800-600	1.7	45
DRUM ISLAND REACH	43.4	44.9	48.9	46.8	3-13	1200-600	0.8	45
TIDEWATER REACH	F36.6	F35.5	F33.6	F34.8	3-13	650	0.7	45
TOWN CREEK LOWER REACH	F38.5	F40.9	F45.3	F44.9	3-13	450-400	1.1	45
TOWN CREEK LOWER REACH TB	44.1	37.2	37.2	37.7	3-13	300	0.25	35
TOWN CREEK UPPER REACH	40.7	40.5	40.5	41.7	7-11	250	1.0	16
MYERS BEND	49.2	49.1	48.1	46.1	3-13	VARIES	0.5	45
DANIEL ISLAND REACH	47.5	47.5	46.4	43.2	3-13	880	1.4	45
DANIEL ISLAND BEND	49.3	51.0	51.0	49.8	3-13	(G) 800-700	0.5	45
CLOUTER CREEK REACH	45.6	48.1	47.9	45.2	3-13	600	1.3	45
NAVY YARD REACH	47.0	47.3	48.2	45.5	3-13	600-700	1.1	45
NORTH CHARLESTON REACH	48.0	49.3	49.6	46.9	3-13	500-600	1.0	45
FILBIN CREEK REACH	43.5	47.8	50.1	46.9	3-13	500	0.9	45
PORT TERMINAL REACH	43.5	47.2	49.3	47.4	3-13	600	0.7	45
ORDNANCE REACH	34.8	36.4	41.4	41.0	3-13	600	0.4	45
ORDNANCE REACH TURNING BASIN	50.3	47.8	47.8	47.8	3-13	800	0.4	45
WANDO RIVER								
LOWER REACH	47.3	48.3	48.0	44.5	4-13	1500-400	1.4	45
UPPER REACH	F43.9	F44.6	F45.7	F44.0	4-13	850-600	0.9	45
TURNING BASIN	45.4	48.6	48.6	48.9	4-13	550	0.4	45
SHIPYARD CREEK								
MAIN CHANNEL	24.9	41.9	41.9	23.1	4-13	1200-200	1.1	45-30
LOWER TURNING BASIN	43.3	45.8	45.8	41.9	4-13	VARIES	0.2	45
UPPER TURNING BASIN	21.9	20.6	20.6	21.0	9-12;4-13	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 300' WIDTH FROM LEFT AND RIGHT OF CENTERLINE.  
 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

Chart 11532

NM 35/13

WINYAH BAY AND GEORGETOWN HARBOR								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2013 AND SURVEYS TO APR 2013								
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 (MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	25.8	25.6	21.0	14.6	4-13	600	2.4	27
RANGE B	23.4	30.2	30.0	24.2	4-13	600	1.0	27
SOUTH ISLAND BEND (A)	33.2	32.6	25.0	19.6	4-13	600	0.5	27
RANGE C	19.1	21.5	21.5	25.0	4-13	400	1.7	27
RANGE D	26.9	27.2	27.2	28.7	4-13	400B	1.7	27
RANGE E	21.1	21.5	21.5	20.6	4-13	400B	5.7	27
FRAZIER PT. BEND	21.2	21.9	21.9	21.1	4-13	400B	0.7	27
RABBIT ISLAND CHANNEL	24.2	24.0	24.0	23.7	4-13	400B	2.2	27
SAMPIT RIVER CHANNEL	4.5	4.4	4.4	3.8	4-13	400B	1.3	27
STEELMILL CHANNEL	8.2	7.7	7.7	4.6	4-13	VARIES	0.3	27
PAPERMILL CHANNEL	17.0	21.8	21.8	17.7	4-13	VARIES	0.3	27
BYPASS CHANNEL	—	7.3	7.3	—	4-13	400C	1.2	18D

(A) THE LOWER PORTION OF SOUTH ISLAND BEND IS NOT SHOWN ON THE TAB DUE TO SEVERE SHOALING.  
CHANNEL LIMITS HAVE BEEN REMOVED AND HYDROGRAPHY SHOWN ON CHART. BUOYS MARK THE DEEPER WATER.  
(B) MAINTAINED 30'  
(C) MAINTAINED 100'  
(D) MAINTAINED 12'

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

Chart 18650

NM 35/13

OAKLAND OUTER AND INNER HARBORS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MARCH 2013								
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)
BAR CHANNEL	50.0	50.0	50.0	50.0	3-13	1000-930	0.57	50
OUTER HARBOR ENTRANCE CHANNEL	48.0	49.0	50.0	50.0	1,5-12	900-800	0.91	50
OUTER HARBOR	39.0	39.0	39.0	39.0	2-10; 3,5-12	1575-600	1.40	50
INNER HARBOR								
ENTRANCE CHANNEL	46.0	50.0	50.0	49.0	3-13	2100-480	1.10	50
INNER HARBOR REACH	42.0	50.0	50.0	43.0	3-13	1325-480	2.27	50
GROVE ST PIER TO BROOKLYN BASIN	A26.0	31.0	32.0	B27.0	12-10; 3-13	600	1.30	35
BROOKLYN BASIN SOUTH CHANNEL	C12.0	21.0	23.0	D15.0	12-10	600-500	0.50	35
PARK ST BRIDGE REACH	11.0	22.0	23.0	11.3	7-86;12-10	500-275	0.42	35

A. A DEPTH OF 31.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.  
B. A DEPTH OF 32.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.  
C. A DEPTH OF 18.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.  
D. A DEPTH OF 19.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.

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

Chart 18652 (Page E)

NM 35/13

SUISUN BAY AND SAN JOAQUIN RIVER							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2013							
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 MLLW (FEET)
SUISUN PT. REACH	45	48	49	4-13	300	0.8	35
BULLS HEAD CHANNEL	36	34	33	4-13	300-350	1.2	35
EAST BULLS HEAD CHANNEL	34	33	33	4-13	350	1.1	35
PT. EDITH CROSSING RANGE	35	34	28	4-13	350	1.1	35
PRESTON PT. REACH	35	34	26	4-13	350	0.9	35
ROE ISLAND CHANNEL	33	34	33	4-13	350	1.1	35
PORT CHICAGO REACH	37	37	36	4-13	350	0.52	35
MIDDLE GROUND CHANNEL							
WEST REACH	37	36	34	4-13	350	1.29	35
EAST REACH	34	36	35	4-13	350	1.09	35
NEW YORK SLOUGH							
WEST REACH	32	33	34 A	4-13	400	1.3	35
EAST REACH	33	34	33	4-13	400	1.7	35
SAN JOAQUIN RIVER							
ANTIOCH REACH	30.8	30.4	28.8	8-07	400	3.3	35

A. AN OBSTRUCTION WITH A DEPTH OF 36 FEET IS LOCATED AT 38°02'41.2" N 121°53'21.32" W  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18653

NM 35/13

RICHMOND HARBOR AND SOUTHAMPTON SHOAL CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2013								
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)
SOUTHAMPTON SHOAL CHANNEL	42	45	46	43	2-13	600	1.1	45
RICHMOND HARBOR								
ENTRANCE CHANNEL	36	36	36	36	3-12;2-13	600-550	1.0	38
POINT POTRERO REACH	37	37	37	37	2-13	500-600	1.4	38
POINT POTRERO TURN	36	37	36	35	2-13	600-1250	0.8	38
HARBOR CHANNEL	36	37	37	37	3-12;2-13	850-200	0.5	38
SANTA FE CHANNEL	27	28	29	27	11-12	200	0.5	38-30
TURNING BASIN	26	28	27	18	11-12	200-500	0.16	30

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

Chart 18656

NM 35/13

SUISUN BAY							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2013							
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 MLLW (FEET)
SUISUN PT. REACH	45	48	49	4-13	300	0.8	35
BULLS HEAD CHANNEL	36	34	33	4-13	300-350	1.2	35
EAST BULLS HEAD CHANNEL	34	33	33	4-13	350	1.1	35
PT. EDITH CROSSING RANGE	35	34	28	4-13	350	1.1	35
PRESTON PT. REACH	35	34	26	4-13	350	0.9	35
ROE ISLAND CHANNEL	33	34	33	4-13	350	1.1	35
PORT CHICAGO REACH	37	37	36	4-13	350	0.52	35
MIDDLE GROUND CHANNEL							
WEST REACH	37	36	34	4-13	350	1.29	35
EAST REACH	34	36	35	4-13	350	1.09	35
NEW YORK SLOUGH							
WEST REACH	32	33	34 A	4-13	400	1.3	35
EAST REACH	33	34	33	4-13	400	1.7	35

A. AN OBSTRUCTION WITH A DEPTH OF 36 FEET IS LOCATED AT 38°02'41.2" N 121°53'21.32" W  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

## SECTION I

NM 35/13

Chart 18657

NM 35/13

SUISUN BAY							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2013							
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 MLLW (FEET)
SUISUN PT. REACH	45	48	49	4-13	300	0.8	35
BULLS HEAD CHANNEL	36	34	33	4-13	300-350	1.2	35
EAST BULLS HEAD CHANNEL	34	33	33	4-13	350	1.1	35
PT. EDITH CROSSING RANGE	35	34	28	4-13	350	1.1	35

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

Chart 18658

NM 35/13

SUISUN BAY							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2013							
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 MLLW (FEET)
BULLS HEAD CHANNEL	36	34	33	4-13	300-350	1.2	35
EAST BULLS HEAD CHANNEL	34	33	33	4-13	350	1.1	35
PT. EDITH CROSSING RANGE	35	34	28	4-13	350	1.1	35
PRESTON PT. HEAD	35	34	26	4-13	350	0.9	35
ROE ISLAND CHANNEL	33	34	33	4-13	350	1.1	35
PORT CHICAGO REACH	37	37	36	4-13	350	0.52	35
MIDDLE GROUND CHANNEL							
WEST REACH	37	36	34	4-13	350	1.29	35
EAST REACH	34	36	35	4-13	350	1.09	35

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

Chart 18659

NM 35/13

SUISUN BAY							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2013							
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 MLLW (FEET)
NEW YORK SLOUGH							
WEST REACH	32	33	34 A	4-13	400	1.3	35
EAST REACH	33	34	33	4-13	400	1.7	35

A. AN OBSTRUCTION WITH A DEPTH OF 36 FEET IS LOCATED AT 38° 02' 41.2" N 121° 53' 21.32" W.

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

SECTION I

NM 35/13

Chart 18666

NM 35/13

SUISUN BAY							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2013							
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 MLLW (FEET)
MIDDLE GROUND CHANNEL							
WEST REACH	37	36	34	4-13	350	1.29	35
EAST REACH	34	36	35	4-13	350	1.08	35
NEW YORK SLOUGH							
WEST REACH	32	33	34A	4-13	400	1.3	35
EAST REACH	33	34	33	4-13	400	1.7	35

A. AN OBSTRUCTION WITH A DEPTH OF 36 FEET IS LOCATED AT 38° 02'41.2"N 121°53' 21.32"W.  
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SURSEQUENT TO THE ABOVE INFORMATION