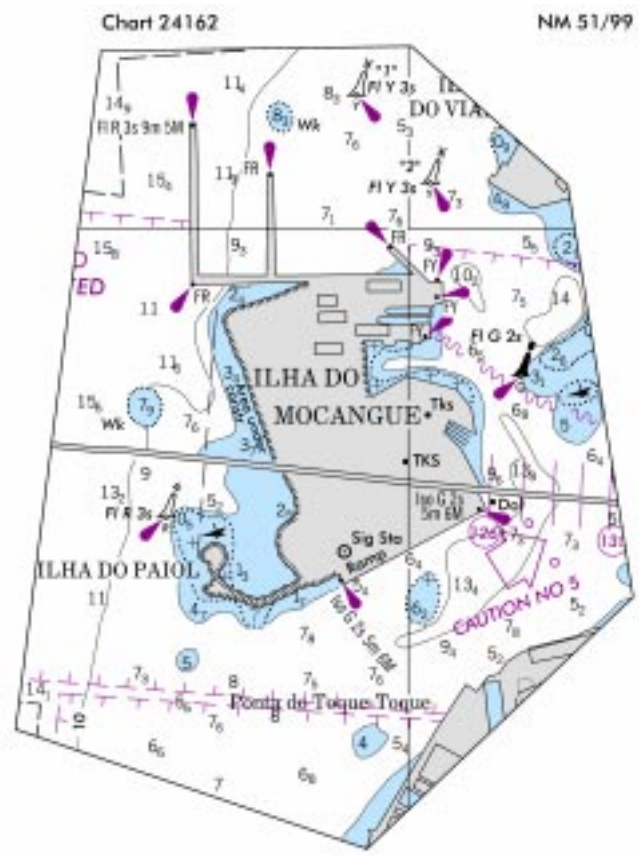
Chart 24162
NM 51/99
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CHART 11512 NM 51/99

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 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)
TYBEE RANGE	44.0	44.0	44.0	44.0	10-99	600	3.3	44
BLOODY POINT RANGE	42.5	43.0	42.5	42.5	10-99	600	3.0	44
JONES ISLAND RANGE	43.0	45.0	43.0	45.0	10-99	600	1.2	44
TYBEE KNOLL CUT RANGE	42.5	43.5	43.0	42.0	10-99	500	2.5	42
NEW CHANNEL RANGE (A)	39.0	41.0	42.0	41.5	10-99	500	1.6	42
L. I. CROSSING RANGE	42.5	43.0	44.0	42.5	10-99	500	2.6	42
LOWER FLATS RANGE	45.0	45.0	46.5	46.5	10-99	500	1.3	42
UPPER FLATS RANGE	46.5	46.5	46.0	41.0	10-99	500	1.2	42
THE BIGHT CHANNEL	45.0	46.5	47.0	47.0	10-99	500	1.5	42
FT. JACKSON RANGE	46.0	46.5	46.0	42.0	10-99	500	0.7	42
OGLETHORPE RANGE	40.0	43.5	44.0	43.5	10-99	500	1.2	42
WRECKS CHANNEL (B)	41.0	41.5	42.5	43.5	10-99	500	1.5	42
CITY FRONT CHANNEL	42.5	42.5	42.5	37.5	10-99	500	1.5	42
MARSH ISLAND CHANNEL (C)	42.5	44.0	44.5	42.0	10-99	500	1.7	42
KINGS ISLAND CHANNEL (D)	36.5	39.0	42.0	40.0	10-99	500	2.1	42
WHITEHALL CHANNEL (E)	31.0	32.0	35.5	38.5	10-99	400	0.6	42-36
PORT WENTWORTH CHANNEL (F)	30.0	32.0	32.0	32.0	12-94;10-99	200	1.2	30

A. OYSTER BED I.TURNING BASIN-CONTROLLING DEPTH 41.0 FT, 38.0 FT 100 FT FROM BACKSIDE.
B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 39.5 FT, 31.5 FT 100 FT FROM BACKSIDE.
C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 36.0 FT, 28.0 FT 100 FT FROM BACKSIDE.
D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 34.0 FT, 30.0 FT 100 FT FROM BACKSIDE.
E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 39.5 FT 100 FT FROM BACKSIDE.
F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 33.0 FT, 32.5 FT 100 FT FROM BACKSIDE.

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 51/99

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 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)
OGLETHORPE RANGE	40.0	43.5	44.0	43.5	10-99	500	1.2	42
WRECKS CHANNEL (A)	41.0	41.5	42.5	43.5	10-99	500	1.5	42
CITY FRONT CHANNEL	42.5	42.5	42.5	37.5	10-99	500	1.5	42
MARSH ISLAND CHANNEL (B)	42.5	44.0	44.5	42.0	10-99	500	1.7	42
KINGS ISLAND CHANNEL (C)	36.5	39.0	42.0	40.0	10-99	500	2.1	42
WHITEHALL CHANNEL (D)	31.0	32.0	35.5	38.5	10-99	400	0.6	42-36
PORT WENTWORTH CHANNEL (E)	30.0	32.0	32.0	32.0	12-94;10-99	200	1.2	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 39.5 FT, 31.5 FT 100 FT FROM BACKSIDE.
B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 36.0 FT, 28.0 FT 100 FT FROM BACKSIDE.
C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 34.0 FT, 37.0 FT 100 FT FROM BACKSIDE.
D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 39.5 FT 100 FT FROM BACKSIDE.
E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 33.0 FT, 32.5 FT 100 FT FROM BACKSIDE.

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 11537 NM 51/99

CAPE FEAR RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 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)
BALDHEAD SHOAL	37.4	38.3	39.2	37.5	6-99	500	3.0	40
SMITH ISLAND	22.0	38.9	42.2	41.3	6-99	500	1.0	40
BALDHEAD CASWELL CHANNEL	36.6	40.2	41.0	43.1	2-99	500	0.4	40
SOUTHPORT CHANNEL	42.3	42.1	37.2	33.0	2-99	500	1.0	40
BATTERY ISLAND CHANNEL	44.2	46.3	39.8	32.3	2-98	500	0.5	40
LOWER SWASH	36.0	38.5	39.8	35.7	3-99	400	1.6	38
SNOWS MARSH	35.1	38.8	37.3	36.9	2-99	400	3.1	38
HORSESHOE SHOAL	33.7	38.6	37.7	37.5	4-99	400	1.2	38
REAVES POINT	36.6	38.0	37.3	37.0	4-99	400	1.2	38
LOWER MIDNIGHT	36.9	39.2	39.9	38.0	4-99	400	1.6	38
UPPER MIDNIGHT	37.9	39.1	38.9	36.6	4-98	400	2.7	38
LOWER LILLIPUT	36.7	37.7	37.7	35.7	8-99	400	1.9	38
UPPER LILLIPUT	36.9	37.6	37.5	37.0	7-99, 9-99	400	1.9	38
KEG ISLAND	36.4	39.0	37.9	35.5	9-99	400	1.4	38
BIG ISLAND LOWER	36.2	38.4	39.1	36.6	9-99	400	0.8	38
BIG ISLAND UPPER	38.1	38.7	38.6	36.1	4-99	400	0.5	38
LOWER BRUNSWICK	36.1	38.2	37.0	36.9	4-99	400	1.6	38
UPPER BRUNSWICK	36.5	38.8	39.8	35.8	4-99	400	1.0	38
FOURTH EAST JETTY	37.5	37.8	36.6	35.9	3-99	400	1.2	38
BETWEEN CHANNEL	35.4	39.8	38.0	35.5	4-99	550	0.8	38
ANCHORAGE BASIN & APP CHANNEL	27.5	33.7	32.9	29.5	7-99	450-1090	1.3	38
HWY 74-76 TO BATTLESHIP	30.4	32.4	34.4	29.1	3-99	400	0.6	32
BATTLESHIP TO HWY 117 INCLUDING TURNING BASIN	9.6	28.0	31.6	8.5	3-99	190-850	-	32
HWY 117 TO HILTON BR	28.1	29.6	31.8	26.7	3-99	200-400	0.5	32
THENCE TO END OF PROJECT AT 34°16'36"N, 77°57'01"W	23.1	23.6A	23.5B	21.9C	6-99	200	1.2	25
TURNING BASIN	24.6	21.0	22.2	16.1	6-99	500	0.1	25

A. EXCEPT FOR SHOALING TO 21.4 FEET FOR THE LAST 150 FEET OF THE PROJECT.
B. EXCEPT FOR SHOALING TO 16.4 FEET FOR THE LAST 150 FEET OF THE PROJECT.
C. EXCEPT FOR SHOALING TO 10.2 FEET FOR THE LAST 150 FEET OF THE PROJECT.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 12331 NM 51/99

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)
RARITAN BAY-WEST REACH	33.8	38.7	38.9	29.7	7-99	600	2.4	35
SEGUINE POINT BEND	27.7	34.8	39.1	23.7	7-99	600-800	1.2	35
RED BANK REACH	32.6	39.8	40.1	31.9	7-99	600	1.2	35
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	0.8	35
OUTERBRIDGE REACH	33.2	34.3	35.0	32.2	4-96;7-99	600-800	0.8	35
PORT SOCONY REACH	B20.7	35.2	36.4	32.3	12-92;1-93	600-800	0.8	35
PORT READING REACH	A18.8	36.4	35.9	31.0	12-92;1-93	500	1.8	35
FRESH KILLS REACH	A25.0	33.8	36.3	31.5	12-92;1-93	500	1.8	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	12.4	16.0	17.9	16.2	4-99	300	0.6	25
SOUTH AMBOY REACH	18.6	21.2	18.0	16.0	4-99	300	1.2	25

A. THE CHANNEL HAS SHOALED ALONG THE EDGE; A DEPTH OF 30 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
B. ALONG THE EDGE OF THE CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 12332 NM 51/99

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	600	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	12.4	16.0	17.9	16.2	4-99	300	0.6	25
SOUTH AMBOY REACH	18.6	21.2	18.0	16.0	4-99	300	1.2	25
SANDY POINT REACH	15.9	23.7	21.9	25.2	4-99	300	0.9	25
KEASBEY REACH	16.1	20.3	22.5	20.9	4-99	300	0.9	25
RED ROOT REACH	11.6	15.8	13.9	6.7	6,7-98;4-99	300	1.5	25
CRAB ISLAND REACH	15.0	14.5	14.5	12.5	9-88	200	1.2	15
NORTHWEST REACH	A6.0	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

CHART 12401 NM 51/99

NEW YORK HARBOR-LOWER BAY-CHANNEL DEPTHS

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)
AMBROSE CHANNEL	40.3	44.7	44.9	28.4	9-95	2000	9.2	45
SANDY HOOK CHAN. (EAST)A	39.7	41.9	40.0B	32.0	3-99	A800	3.5	A35
SANDY HOOK CHANNEL	23.6	38.9	35.5	34.8	3,7-99	800	2.4	35
CHAPEL HILL:								
SOUTH CHANNEL	29.2	30.2	30.3	27.5	4,5-99	1000	2.7	30
TERMINAL CHANNEL	44.2	45.7	46.0	44.0	2-97	400	0.8	35
RARITAN BAY EAST REACH	35.3	37.6	36.8	32.7	7-99	600	4.0	35
RARITAN BAY WEST REACH	33.8	38.7	38.9	29.7	7-99	600	2.4	35

A. THE NAVAL FACILITIES ENGINEERING COMMAND MAINTAINS A 45 FOOT PROJECT FOR A WIDTH OF 600 FEET IN SANDY HOOK (EAST) TO THE TURNING BASIN.
B. DEPTH FROM NOS FIELD SURVEY AT 40°28'57"N, 073°59'36"W REPORTED 10/22/97
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION