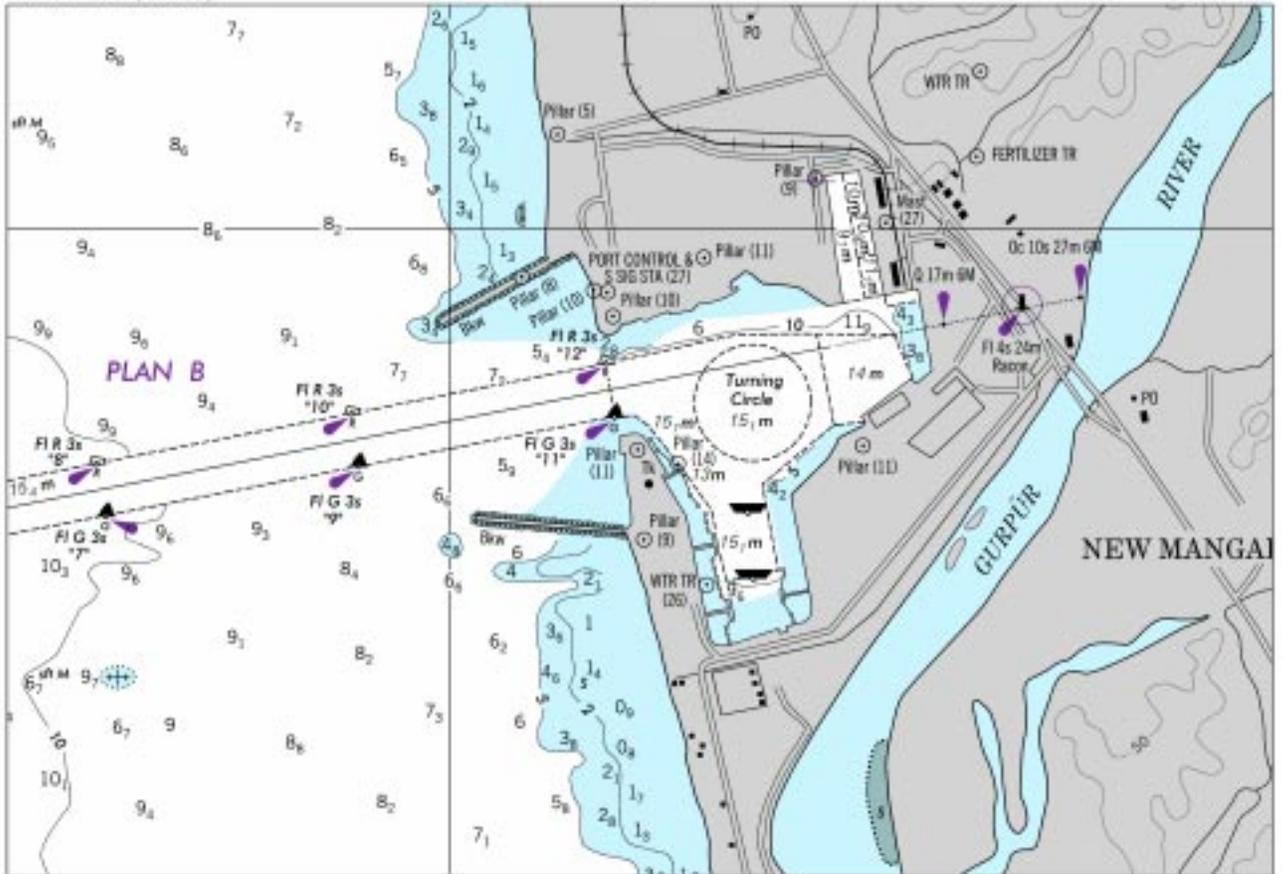


Chart 63121 (Plan A)

(B)

NM 5/03



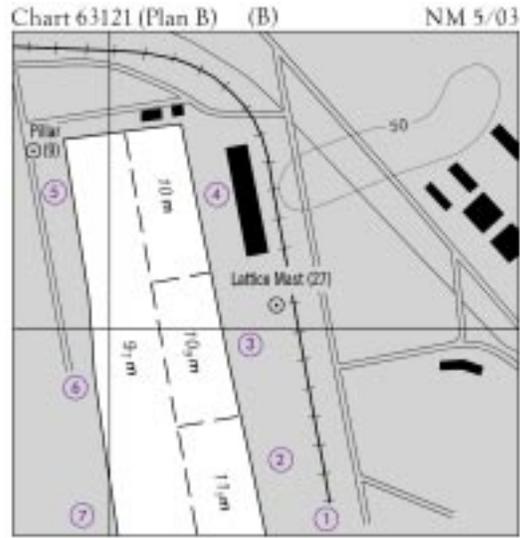
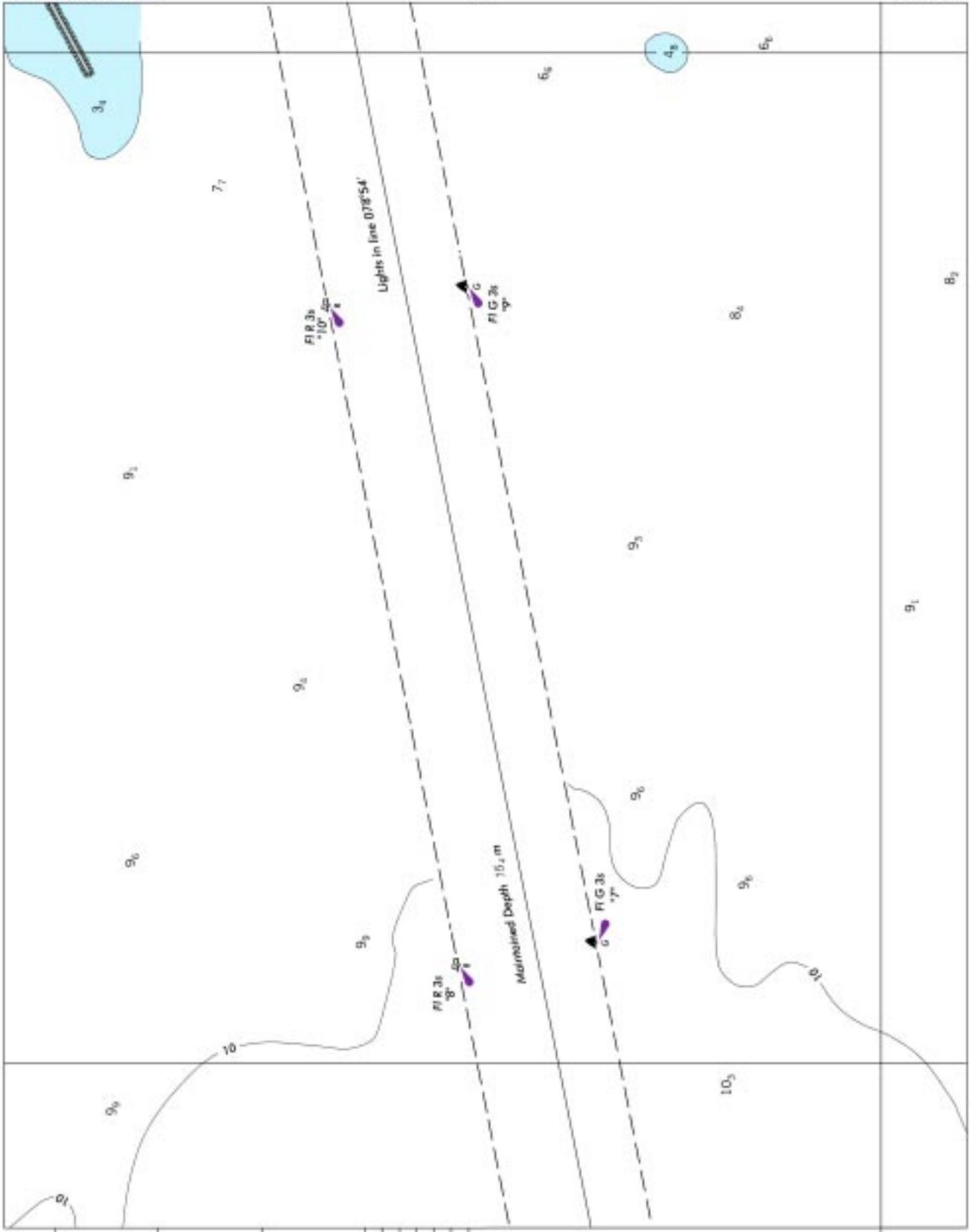


Chart 63121 (Plan B)

(C)

NM 5/03



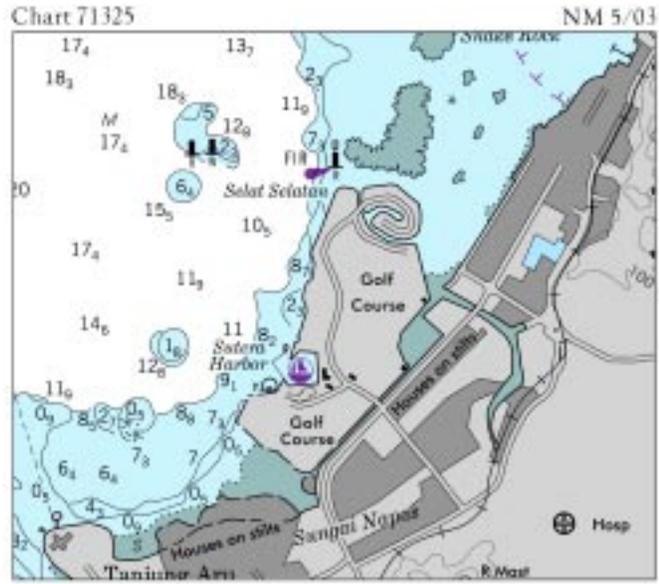
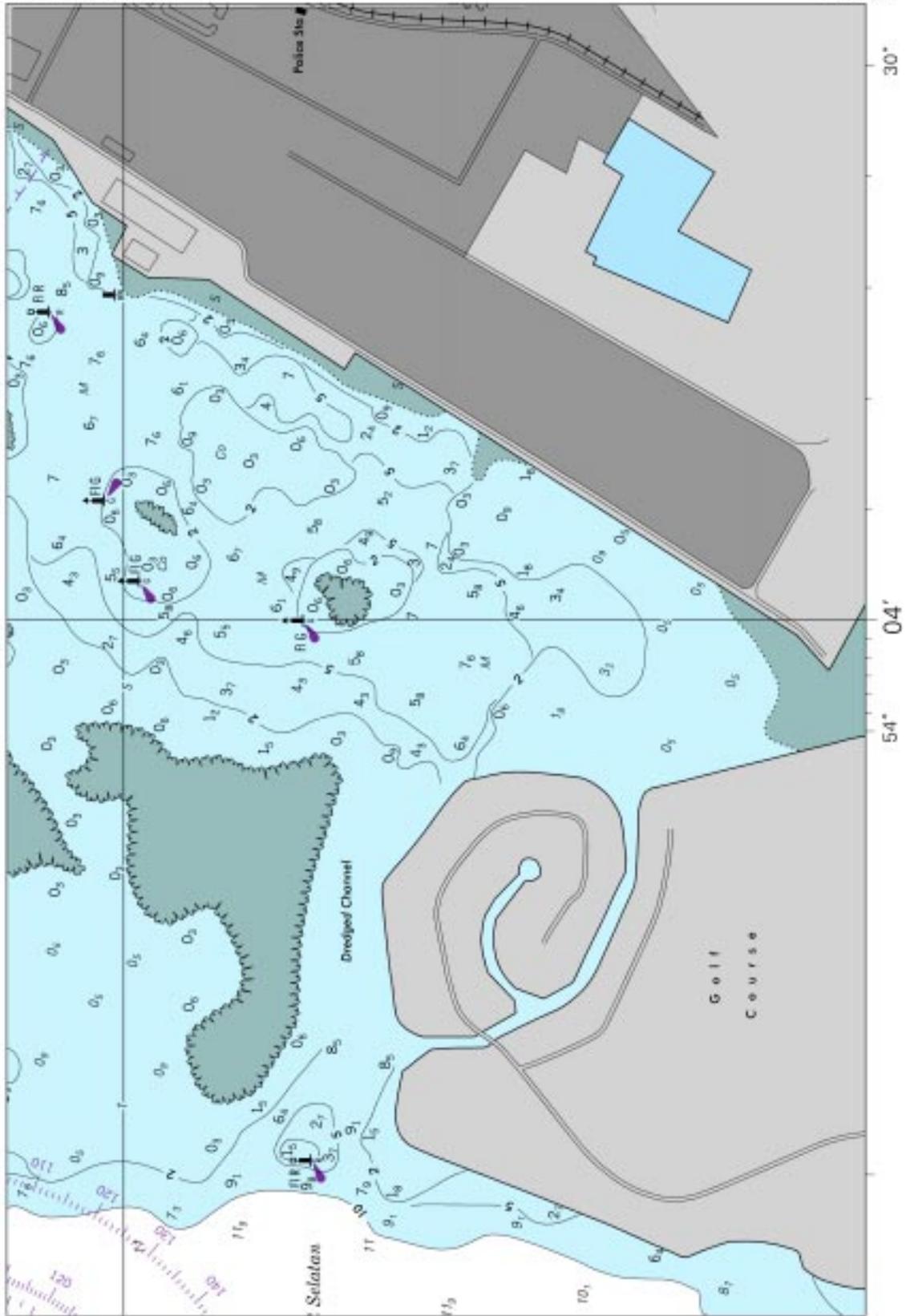


Chart 71325 (Plan)

NM 5/03



SECTION I

Chart 11353

NM 5/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2002					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	WIDTH (FEET)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 THENCE TO END OF JETTY OPPOSITE LIGHT 62	31.0	37.0	25.0	600	10,12-02
	32.0	35.0	30.0	500	10,11,12-02
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE					

Chart 11363

NM 5/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2002					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	WIDTH (FEET)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 THENCE TO END OF JETTY OPPOSITE LIGHT 62 THENCE TO INTERSECTION WITH G. I. W. W. THENCE TO INNER HARBOR NAVIGATION CANAL	31.0	37.0	25.0	600	10,12-02
	32.0	35.0	30.0	500	10,11,12-02
	24.0	31.0	21.0	500	3,4,10,11,12-02
	25.0	28.0	28.0	500	4,10-02
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE					

Chart 11364

NM 5/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2002					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	WIDTH (FEET)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 THENCE TO END OF JETTY OPPOSITE LIGHT 62 THENCE TO INTERSECTION WITH G. I. W. W. THENCE TO INNER HARBOR NAVIGATION CANAL	31.0	37.0	25.0	600	10,12-02
	32.0	35.0	30.0	500	10,11,12-02
	24.0	31.0	21.0	500	3,4,10,11,12-02
	25.0	28.0	28.0	500	4,10-02
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE					

SECTION I

Chart 11369

NM 5/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2002					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	WIDTH (FEET)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W)					
TO LT. BUOY 20	31.0	37.0	25.0	600	10,12-02
THENCE TO END OF JETTY					
OPPOSITE LIGHT 62	32.0	35.0	30.0	500	10,11,12-02
THENCE TO INTERSECTION WITH					
G. I. W. W.	24.0	31.0	21.0	500	3,4,10,11,12-02
THENCE TO INNER HARBOR					
NAVIGATION CANAL	25.0	28.0	28.0	500	4,10-02
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE					

Chart 11505

NM 5/03

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2002								
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	43.0	42.0	44.0	43.0	12-02	600	3.3	44
BLOODY POINT RANGE	42.5	43.0	44.0	43.0	12-02	600	3.0	44
JONES ISLAND RANGE	44.0	42.0	43.0	43.0	12-02	600	1.2	44
TYBEE KNOLL CUT RANGE	41.0	43.0	43.0	43.0	12-02	500	2.5	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 5/03

BRUNSWICK HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2002								
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)	
BAR CHANNEL								
(ST SIMON RANGE)	27.5	30.0	A27.0	10-02	500	7.7	32	
PLANTATION CREEK RANGE	44.5	41.0	39.5	11-02	400	1.8	32	
JEKYLL ISLAND RANGE	29.0	32.0	31.0	11-02	400	1.9	30	
CEDAR HAMMOCK RANGE	30.0	31.0	31.0	11-02	400	1.4	30	
BRUNSWICK PT CUT RANGE	27.5	29.0	27.0	11-02	400	2.4	30	
EAST RIVER								
LOWER REACH	B28.0	28.5	28.0	11-02	400	1.1	30	
UPPER REACH	26.0	28.5	26.0	11-02	350	1.0	27	
EAST RIVER TURNING BASIN	26.0	26.0	26.5	11-02	750	0.2	30	
TURTLE RIVER LOWER RANGE	34.0	30.0	30.0	11-02	300	1.7	30	
BLYTHE ISLAND RANGE	31.0	26.0	25.0	11-02	300	1.5	30	
TURTLE RIVER UPPER RANGE	27.5	28.0	26.0	11-02	300	1.7	30	
SOUTH BRUNSWICK RIVER	30.5	31.0	28.5	11-02	400	1.3	30	
A. OBSTRUCTION REPORTED WITH A DEPTH OF 29 FEET, LOCATED AT 31°04'06.6"N; 081°16'35.7"W.								
B. THE EAST RIVER, LOWER REACH WIDENER LEAST DEPTHS WERE 26.5 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT, AND 30.5 FEET, LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE.								
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								

SECTION I

NM 5/03

Chart 11512

NM 5/03

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2002								
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	43.0	42.0	44.0	43.0	12-02	600	3.3	44
BLOODY POINT RANGE	42.5	43.0	44.0	43.0	12-02	600	3.0	44
JONES ISLAND RANGE	44.0	42.0	43.0	43.0	12-02	600	1.2	44
TYBEE KNOLL CUT RANGE	41.0	43.0	43.0	43.0	12-02	500	2.5	42
NEW CHANNEL RANGE (A)	39.0	41.0	41.0	38.0	12-02	500	1.6	42
L. I. CROSSING RANGE	40.5	44.0	43.0	40.0	12-02	500	2.6	42
LOWER FLATS RANGE	42.5	47.0	45.0	42.0	12-02	500	1.3	42
UPPER FLATS RANGE	45.5	46.5	45.0	46.0	12-02	500	1.2	42
THE BIGHT CHANNEL	46.0	47.5	47.0	46.5	12-02	500	1.5	42
FT. JACKSON RANGE	47.5	48.5	47.0	42.0	12-02	500	0.7	42
OGLETHORPE RANGE	43.0	46.5	45.0	45.0	12-02	500	1.2	42
WRECKS CHANNEL (B)	45.0	47.5	46.0	46.0	12-02	500	1.5	42
CITY FRONT CHANNEL	44.0	43.5	44.0	39.0	12-02	500	1.5	42
MARSH ISLAND CHANNEL (C)	43.0	43.0	44.0	41.5	12-02	500	1.7	42
KINGS ISLAND CHANNEL (D)	36.0	37.5	38.0	37.5	12-02	500	2.1	42
WHITEHALL CHANNEL (E)	34.5	33.5	35.0	38.0	12-02	400	0.6	42-36
PORT WENTWORTH CHANNEL (F)	30.0	33.5	32.0	32.0	12-94; 12-02	200	1.2	30

A. OYSTER BED TURNING BASIN-CONTROLLING DEPTH 44.0 FT, 37.0 FT 100 FT FROM BACKSIDE.
 B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 41.0 FT, 39.0 FT 100 FT FROM BACKSIDE.
 C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT, 28.0 FT 100 FT FROM BACKSIDE.
 D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 32.0 FT, 27.0 FT 100 FT FROM BACKSIDE.
 E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 37.5 FT 100 FT FROM BACKSIDE.
 F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 33.5 FT, 35.0 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 5/03

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2002								
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	43.0	46.5	45.0	45.0	12-02	500	1.2	42
WRECKS CHANNEL (A)	45.0	47.5	46.0	46.0	12-02	500	1.5	42
CITY FRONT CHANNEL	44.0	43.5	44.0	39.0	12-02	500	1.5	42
MARSH ISLAND CHANNEL (B)	43.0	43.0	44.0	41.5	12-02	500	1.7	42
KINGS ISLAND CHANNEL (C)	36.0	37.5	38.0	37.5	12-02	500	2.1	42
WHITEHALL CHANNEL (D)	34.5	33.5	35.0	38.0	12-02	400	0.6	42-36
PORT WENTWORTH CHANNEL (E)	30.0	33.5	32.0	32.0	12-94; 12-02	200	1.2	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 41.0, 39.0 FT 100 FT FROM BACKSIDE.
 B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT, 28.0 FT 100 FT FROM BACKSIDE.
 C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 32.0 FT, 27.0 FT 100 FT FROM BACKSIDE.
 D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 37.5 FT 100 FT FROM BACKSIDE.
 E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 33.5 FT, 35.0 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

SECTION I

Chart 11537

NM 5/03

CAPE FEAR RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2002								
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	36.2	38.3	38.4	32.0	8,10-01; 6-02	500	5.0	40
SMITH ISLAND	44.6	45.4	45.6	42.7	9-02	500	1.0	40
BALDHEAD CASWELL CHANNEL	43.2	44.9	44.1	43.9	9-02	500	0.4	40
SOUTHPORT CHANNEL	42.5	44.4	44.6	40.5	11-02	500	1.0	40
BATTERY ISLAND CHANNEL	40.0	45.3	43.0	29.0	11-02	500	0.5	40
LOWER SWASH	41.5	42.0	40.8	40.5	11-02	400	1.6	38
SNOWS MARSH	41.3	42.0	41.6	39.5	5-02	400	3.1	38
HORSESHOE SHOAL	40.4	42.7	42.2	40.8	5-02	400	1.2	38
REAVES POINT	35.8	37.8	37.2	35.5	3-02	400	1.2	38
LOWER MIDNIGHT	35.5	38.4	38.6	34.0	3-02	400	1.6	38
UPPER MIDNIGHT	36.7	37.6	38.3	36.2	3-02	400	2.7	38
LOWER LILLIPUT	37.1	36.8	36.9	35.3	3-02	400	1.9	38
UPPER LILLIPUT	35.7	37.1	37.0	35.8	3-02	400	1.9	38
KEG ISLAND	37.5	39.0	37.4	34.7	3-02	400	1.4	38
BIG ISLAND LOWER	39.7	42.4	43.6	43.1	3-02	400	0.8	38
BIG ISLAND UPPER	39.0	43.9	42.6	38.6	8-02	400	0.5	38
LOWER BRUNSWICK	36.8	39.3	39.1	35.8	8-02	400	1.6	38
UPPER BRUNSWICK	34.1	39.7	39.7	36.8	4-02	400	1.0	38
FOURTH EAST JETTY	36.7	38.6	39.0	36.5	4-02	400	1.2	38
BETWEEN CHANNEL	32.2	39.7	39.1	36.2	4-02	550	0.8	38
ANCHORAGE BASIN & APP CHANNEL	29.8	35.7	35.9	32.2	4-02;11-02	450-1090	1.3	38
HWY 74-76 TO BATTLESHIP	27.1	32.7	35.5	24.3	4-02	400	0.6	32
BATTLESHIP TO HWY 117 INCLUDING TURNING BASIN	10.8	29.6	31.1	24.7	4-02	190-850	-	32
HWY 117 TO HILTON BR	26.7	30.4	31.0	30.7	4-02	200-400	0.5	32
THENCE TO END OF PROJECT AT 34°16'36"N, 77°57'01"W	22.9	22.6A	20.8B	17.5C	11-02	200	1.2	25
TURNING BASIN	20.9	21.1	17.2	12.8	11-02	500	0.1	25

A. EXCEPT FOR SHOALING TO 17.3 FEET FOR THE LAST 150 FEET OF THE PROJECT.
 B. EXCEPT FOR SHOALING TO 10.1 FEET FOR THE LAST 150 FEET OF THE PROJECT.
 C. EXCEPT FOR SHOALING TO 10.7 FEET FOR THE LAST 250 FEET OF THE PROJECT.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12333

NM 5/03

ARTHUR KILL, KILL VAN KULL, NEWARK BAY AND UPPER BAY CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2002 AND SURVEYS TO APR 2002								
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)
FRESH KILLS REACH	29.0	35.2	36.5	33.9	3-02	500	1.8	35
TREMLEY POINT REACH	31.8	37.0	36.2	30.9	3-02	600	0.9	35
PRALLS ISLAND REACH	29.2	34.9	35.6	32.4	3-02	500	1.2	35
GULFPORT REACH	26.3	37.3	37.1	31.9	9-01; 3-02	500-600	1.1	35
ELIZABETHPORT REACH	30.9	35.7	35.6	31.4	9-01	500-600	1.1	35
N OF SHOOTERS ISLAND REACH	30.0	34.1	35.6	32.5	9-01	600	1.0	35
S OF SHOOTERS ISLAND REACH	18.6	24.1	14.0	A 5.0	8-90	400	1.0	30
BERGEN PT. WEST REACH	36.8	40.5	41.4	41.6	9-01; 4-02	800	1.1	35
BERGEN PT. EAST REACH	37.4	40.0	40.0	39.5	12-96; 2-97	800	1.0	35
CONSTABLE HOOK REACH	38.5	41.6	41.0	36.3	2-97; 10-01	2000-800	2.2	35
NEWARK BAY SOUTH REACH	40.8	40.8	40.0	32.5	5-99; 12-01	1750-1000	1.4	40
NEWARK BAY MIDDLE REACH	35.0	39.4	36.0	31.4	12-01	1750-500	1.4	40
ELIZABETH CHANNEL	36.4	38.6	39.9	37.3	3-99; 1,2-01	1350-500	1.4	40
PORT NEWARK CHANNEL :								
PORT NEWARK (BRANCH CHANNEL)	32.3	35.5	33.5	32.4	2,12-01	1050-400	0.4	40
PIERHEAD CHANNEL	33.8	35.6	35.0	33.4	1,2-01	300	0.7	40

A. OBSTRUCTIONS INTERSPERSED IN THE TWO RIGHT QUARTERS. THERE IS A MINIMUM DEPTH OF 5.9 FT OVER WRECKAGE.
 * CONTROLLING DEPTHS IN CHANNELS OF RARITAN BAY - EAST REACH TO AND INCLUDING GULFPORT REACH ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM LOWER NEW YORK BAY. CONTROLLING DEPTHS FROM CONSTABLE HOOK TO AND INCLUDING ELIZABETHPORT REACH ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM UPPER NEW YORK BAY.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION