Chart 11339 (Extension) NM 43/09

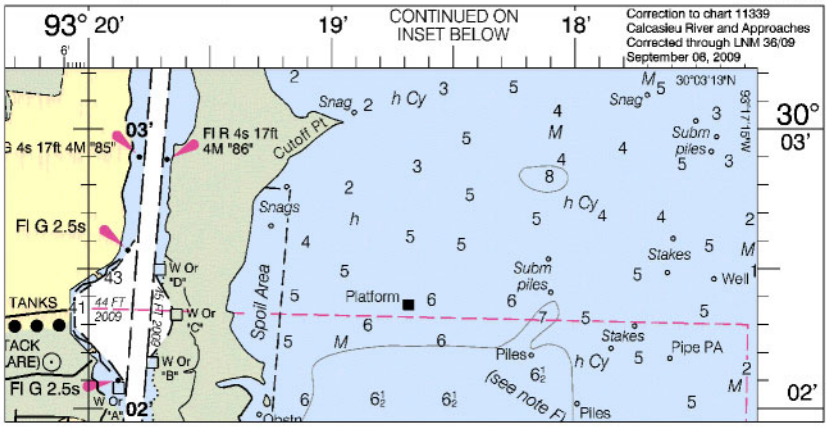


Chart 11339 (Inset) NM 43/09

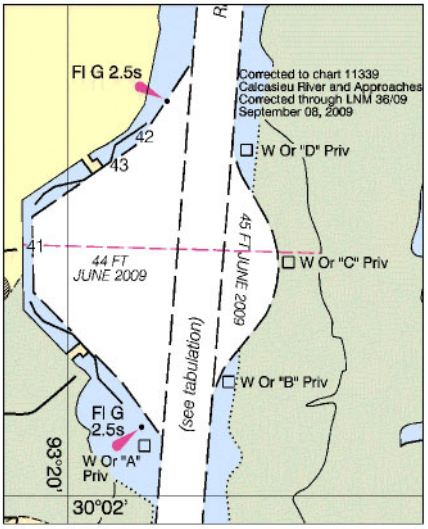
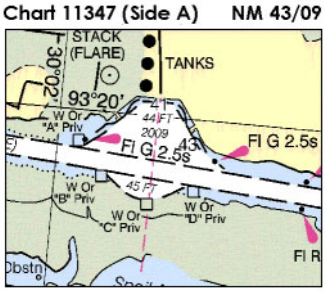


Chart 11347 (Side A) NM 43/09



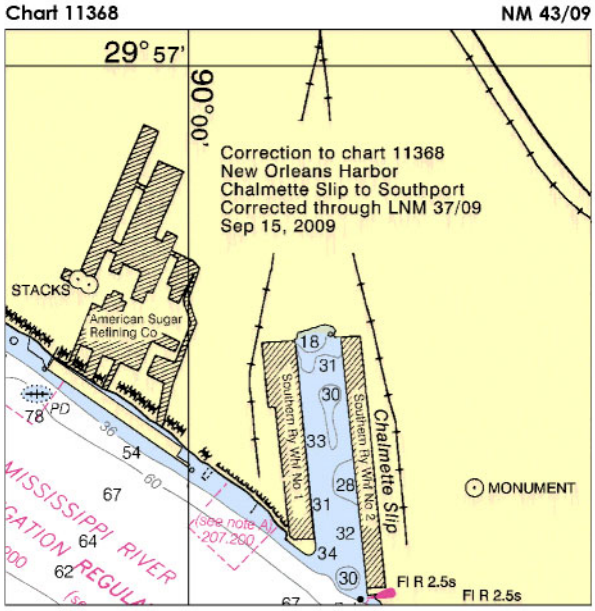


Chart 11368
NM 43/09
29° 57'
90°00'
Correction to chart 11368
New Orleans Harbor
Chalmette Slip to Southport
Corrected through LNM 37/09
Sep 15, 2009
STACKS
American Sugar Refining Co
PD
78
54
67
64
62
36
60
MISSISSIPPI RIVER
(See note A)
-207,260
18
31
30
33
28
31
32
34
30
Southern Fly Whf No 1
Southern Fly Whf No 2
Chalmette Slip
MONUMENT
Fl R 2.5s
Fl R 2.5s

Chart 11376 NM 43/09

MOBILE BAY AND RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009 AND SURVEYS TO JUL 2009

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)
MOBILE BAR CHANNEL	46.1A	47.0	42.2	7-09	600	8.0	47
MOBILE BAY:							
LOWER REACH (TO LIGHT 50)	41.8B	44.8	43.3	7-09	400	13.3	45
UPPER REACH	38.0	42.1	38.8	2, 3-09	400	15.4	40-45
MOBILE RIVER:							
PINTO ISLAND REACH	34.4	39.3	33.0	7-09	700-775	0.6	40-45
MOBILE CHANNEL	33.5	38.4	36.5	7-09	600	1.8	40
MOBILE TURNING BASIN	35.5C	C38.5	36.8C	7-09	740-1000	0.5	40
BLAKELEY ISLAND REACH	A33.8D	28.6C	27.4D	7-09	500-1000	1.3	40
ST. LOUIS POINT REACH	18.8	24.1	19.0	1-09	500	0.2	25
CHICKASAW CREEK CHANNEL	15.2	22.6	20.6	1-09	250	3.1	25
ARLINGTON CHANNEL	14.9	15.8	13.9	7-09	150	1.7	27
GARROWS BEND CHANNEL	5.1E	4.7F	5.4G	7-09	150	1.3	27
OCEAN TERMINAL TURNING BASIN	14.8	15.3	12.3	11-08	600	0.1	27
THEODORE SHIP CHANNEL:							
BAY CUT	37.9	39.8	39.0	6-09	400	5.1	40
ANCHORAGE AREA	40.0	40.0	40.0	6-09	300	0.2	40
LAND CUT	40.0	40.0	B40.0	6-09	300	1.7	40
TURNING BASIN	37.4	37.2	34.7	6-09	1400	0.3	40
BARGE CHANNEL	9.5	6.8	8.7	4-09	100	1.2	12

A. EXCEPT FOR SHOALING TO 44.9 IN BEND WIDENING AREA.
B. EXCEPT FOR SHOALING IN BEND WIDENING AREA.
C. EXCEPT FOR SHOALING IN BEND WIDENING AREA.
D. EXCEPT FOR SHOALING AT NORTH END OF PROJECT.
E. EXCEPT FOR SHOALING TO 2.1 APPROXIMATELY 266' FROM END OF PROJECT.
F. EXCEPT FOR SHOALING TO 2.8 APPROXIMATELY 266' FROM END OF PROJECT.
G. EXCEPT FOR SHOALING TO 3.1 APPROXIMATELY 266' FROM END OF PROJECT.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11377 NM 43/09

MOBILE BAY AND RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009 AND SURVEYS TO JUL 2009

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 (MILES)	DEPTH MLLW (FEET)
MOBILE BAR CHANNEL	46.1A	47.0	42.2	7-09	600	8.1	47
MOBILE BAY:							
LOWER REACH (TO LIGHT 50)	41.8B	44.8	43.3	7-09	400	13.3	45
UPPER REACH	38.0	42.1	38.8	2, 3-09	400	15.4	40-45
THEODORE SHIP CHANNEL:							
BAY CUT	37.4	39.8	39.5	6-09	400	5.1	40

A. EXCEPT FOR SHOALING TO 14.9 IN BEND WIDENER AREA.
B. SHOALING IN BEND WIDENING AREA.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11378 (Side A) NM 43/09

PENSACOLA HARBOR ENTRANCE CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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)
CAUCUS CHANNEL	A24.0	39.4	39.4	B33.4	1-09	800	3.1	44
BARRANCAS CHANNEL	47.5	48.7	48.7	48.0	1-09	800	1.7	44
PICKENS CHANNEL	43.6	45.5	45.5	45.9	1-09	800	2.8	44

A. 13.1 FEET ALONG THE CHANNEL EDGE.
B. 23.9 FEET ALONG THE CHANNEL EDGE.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11378 (Side A) NM 43/09

PENSACOLA HARBOR AND BAYOU CHICO CHANNELS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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 (MILES)	DEPTH MLLW (FEET)
PENSACOLA HARBOR							
BAY CHANNEL	33.0	33.0	32.5	7-09	300	2.7	33
WEST CHANNEL	27.1	27.1	27.4	7-09	300	1.3	33
EAST CHANNEL	32.4	32.2	31.4	7-09	300	0.8	33
HARBOR CHANNEL	26.8	26.7	27.3	7-09	500	0.9	33
BAYOU CHICO CHANNELS							
ENTRANCE CHANNEL	16.9	16.2	12.7	7-08	100	0.9	15
INNER CHANNEL	11.3	13.6	13.1	7-08	75	1.1	14
TURNING BASIN	6.7	8.9	8.4	7-08	500	-	14

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

Chart 11380 NM 43/09

MOBILE BAY AND RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009 SURVEYS TO JUL 2009

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)
MOBILE BAY:							
LOWER REACH (TO LIGHT 50)	41.8B	44.8	43.3	7-09	400	13.3	45
UPPER REACH	38.0	42.1	38.8	2, 3-09	400	15.4	40-45
THEODORE SHIP CHANNEL:							
BAY CUT	37.9	39.8	39.0	2-09	400	5.1	40
ANCHORAGE AREA	40.0	40.0	40.0	2-09	300	0.2	40
LAND CUT	40.0	40.0	A40.0	2-09	300	1.7	40
TURNING BASIN	37.4	40.0	40.0	2-09	1400	0.3	40
BARGE CHANNEL	9.5	6.8	8.7	4-09	100	1.2	12

A. ROCK OBSTRUCTIONS REPORTED FROM BUOY "20", CONTINUING FOR APPROXIMATELY 600 FEET EASTWARD. MINIMUM DEPTH OVER ROCKS IS 38 FEET.
B. SHOALING IS IN BEND WIDENING AREA.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11382 NM 43/09

PENSACOLA HARBOR ENTRANCE CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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)
CAUCUS CHANNEL	A24.0	39.4	39.4	B33.4	1-09	800	3.1	44

A. 13.1 FEET ALONG THE CHANNEL EDGE.
B. 23.9 FEET ALONG THE CHANNEL EDGE.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11383 NM 43/09

PENSACOLA HARBOR ENTRANCE CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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)
CAUCUS CHANNEL	A24.0	39.4	39.4	B33.4	1-09	800	3.1	44
BARRANCAS CHANNEL	47.5	48.7	48.7	48.0	1-09	800	1.7	44
PICKENS CHANNEL	43.6	45.5	45.5	45.9	1-09	800	2.8	44

A. 13.1 FEET ALONG THE CHANNEL EDGE.
B. 23.9 FEET ALONG THE CHANNEL EDGE.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11383 NM 43/09

PENSACOLA HARBOR AND BAYOU CHICO CHANNELS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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 (MILES)	DEPTH MLLW (FEET)
PENSACOLA HARBOR							
BAY CHANNEL	33.0	33.0	32.5	7-09	300	2.7	33
WEST CHANNEL	27.1	27.1	27.4	7-09	300	1.3	33
EAST CHANNEL	32.4	32.2	31.4	7-09	300	0.8	33
HARBOR CHANNEL	26.8	26.7	27.3	7-09	500	0.9	33
BAYOU CHICO CHANNELS							
ENTRANCE CHANNEL	16.9	16.2	12.7	7-08	100	0.8	15
INNER CHANNEL	11.3	13.6	13.1	7-08	75	1.1	14
TURNING BASIN	6.7	8.9	8.4	7-08	500	-	14

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

Chart 11384 NM 43/09

PENSACOLA HARBOR ENTRANCE CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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)
CAUCUS CHANNEL	A24.0	39.4	39.4	B33.4	1-09	800	3.1	44
BARRANCAS CHANNEL	47.5	48.7	48.7	48.0	1-09	800	1.7	44
PICKENS CHANNEL	43.6	45.5	45.5	45.9	1-09	800	2.8	44

A. 13.1 FEET ALONG THE CHANNEL EDGE.
B. 23.9 FEET ALONG THE CHANNEL EDGE.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11404 (Side A) NM 43/09

CARRABELLE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2004 AND SURVEYS TO JUL 2009

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)
CARRABELLE HARBOR ENTRANCE CHANNEL	11.7	13.4	13.2	6,7-09	150	2.3	25
HARBOR CHANNEL	16.4	14.4	12.8	6-09	150	0.6	25
TURNING BASIN	5.4	7.1	10.8	6-09	500	0.1	25
TURNING BASIN TO BRIDGE (29°50'58.8"N, 084°40'36.7"W)	9.9	10.4	11.5	6-09	100	0.6	10
BRIDGE TO 3 MILES NORTH	4.5	7.7	5.6	6-09	80	3.0	10

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

Chart 11505 NM 43/09

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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	44.0	7-09	600	3.79	44
BLOODY POINT RANGE	42.5	44.0	44.0	43.0	7-09	600	3.41	44
JONES ISLAND RANGE	43.0	43.0	44.0	45.0	7-09	600	1.33	44
TYBEE KNOLL CUT RANGE	44.5	44.0	44.5	45.0	7-09	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 11512 NM 43/09

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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	44.0	7-09	600	3.79	44
BLOODY POINT RANGE	42.5	44.0	44.0	43.0	7-09	600	3.41	44
JONES ISLAND RANGE	43.0	43.0	44.0	45.0	7-09	600	1.33	44
TYBEE KNOLL CUT RANGE	44.5	44.0	44.5	45.0	7-09	500	2.84	42
NEW CHANNEL RANGE (A)	40.5	42.0	44.0	40.5	7-09	500	1.89	42
L. I. CROSSING RANGE	41.0	43.0	43.0	43.0	7-09	500	3.03	42
LOWER FLATS RANGE	43.0	45.5	45.0	41.0	7-09	500	1.52	42
UPPER FLATS RANGE	43.5	44.5	46.0	44.0	7-09	500	1.33	42
THE BIGHT CHANNEL	44.0	46.0	47.0	46.0	7-09	500	1.7	42
FT. JACKSON RANGE	47.0	47.0	48.0	48.0	7-09	500	0.76	42
OGLETHORPE RANGE	45.0	46.0	46.0	45.5	7-09	500	1.33	42
WRECKS CHANNEL (B)	46.0	47.0	46.5	45.5	7-09	500	1.7	42
CITY FRONT CHANNEL	42.0	45.0	45.0G	41.0	7-09	500	1.7	42
MARSH ISLAND CHANNEL (C)	40.5H	42.5	44.5	42.0	7-09	500	1.9	42
KINGS ISLAND CHANNEL (D)	39.5	42.5	44.0	42.0I	7-09	500	2.46	42
WHITEHALL CHANNEL (E)	32.0	35.0	37.5	38.5	7-09	400	0.66	42-36
PORT WENTWORTH CHANNEL (F)	30.0J	32.0	33.0	32.0	12-94; 7-09	200	1.33	30

A. OYSTER BED I. TURNING BASIN-CONTROLLING DEPTH 43.0 FT, 37.0 FT 100 FT FROM BACKSIDE.
B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 39.0 FT, 27.0 FT 100 FT FROM BACKSIDE.
C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 35.0 FT, 27.0 FT 100 FT FROM BACKSIDE.
D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT, 36.0 FT 100 FT FROM BACKSIDE.
E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 33.0 FT 100 FT FROM BACKSIDE.
F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 31.0 FT, 21.0 FT 100 FT FROM BACKSIDE.
G. EXCEPT FOR A 41 FOOT OBSTRUCTION LOCATED BY AN NOS SURVEY AT 32°05'00.06"N 81°05'27.07"W
H. EXCEPT FOR A 39 FOOT OBSTRUCTION LOCATED BY AN NOS SURVEY AT 32°05'18.29"N 81°05'58.99"W
I. EXCEPT FOR A 38 FOOT OBSTRUCTION LOCATED BY AN NOS SURVEY AT 32°07'27.45"N 81°08'02.29"W
J. EXCEPT FOR A 31 FOOT OBSTRUCTION LOCATED BY AN 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 43/09

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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	45.0	46.0	46.0	45.5	7-09	500	1.33	42
WRECKS CHANNEL (A)	46.0	47.0	46.5	45.5	7-09	500	1.7	42
CITY FRONT CHANNEL	42.0	45.0	45.0F	41.0	7-09	500	1.7	42
MARSH ISLAND CHANNEL (B)	40.5G	42.5	44.5	42.0	7-09	500	1.9	42
KINGS ISLAND CHANNEL (C)	39.5	42.5	44.0	42.0H	7-09	500	2.46	42
WHITEHALL CHANNEL (D)	32.0	35.0	37.5	38.5	7-09	400	0.66	42-36
PORT WENTWORTH CHANNEL (E)	30.0I	32.0	33.0	32.0	12-94; 7-09	200	1.33	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 39.0 FT, 27.0 FT 100 FT FROM BACKSIDE.
B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 35.0 FT, 27.0 FT 100 FT FROM BACKSIDE.
C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT, 36.0 FT 100 FT FROM BACKSIDE.
D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 33.0 FT 100 FT FROM BACKSIDE.
E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 31.0 FT, 21.0 FT 100 FT FROM BACKSIDE.
F. EXCEPT FOR A 41 FOOT OBSTRUCTION LOCATED BY AN NOS SURVEY AT 32°05'00.06"N 81°05'27.07"W
G. EXCEPT FOR A 39 FOOT OBSTRUCTION LOCATED BY AN NOS SURVEY AT 32°05'18.29"N 81°05'58.99"W
H. EXCEPT FOR A 38 FOOT OBSTRUCTION LOCATED BY AN NOS SURVEY AT 32°07'27.45"N 81°08'02.29"W
I. EXCEPT FOR A 31 FOOT OBSTRUCTION LOCATED BY AN 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 11521 NM 43/09

CHARLESTON HARBOR ENTRANCE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 2009

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	44.3	47.8	48.0	44.6	6-09	1000	17.5	A47
MOUNT PLEASANT RANGE	45.2	49.1	48.3	48.6	6-09	1000-600	1.8	A45

A. 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 43/09

CHARLESTON HARBOR ENTRANCE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 2009

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	44.3	47.8	48.0	44.6	6-09	1000	17.5	A47
MOUNT PLEASANT RANGE	45.2	49.1	48.3	48.6	6-09	1000-600	1.8	A45
REBELLION REACH	46.4	49.4	48.8	47.8	6-09	600	1.6	45

A. 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 11524 NM 43/09

CHARLESTON HARBOR, COOPER RIVER AND SHIPYARD RIVER
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- SURVEYS TO JUL 2009

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	44.3	47.8	48.0	44.6	6-09	1000	17.5	A47
MOUNT PLEASANT RANGE	45.2	49.1	48.3	48.6	6-09	1000-600	1.8	A45
REBELLION REACH	46.4	49.4	48.8	47.8	6-09	600	1.6	45
BENNIS REACH	46.1	48.0	48.5	47.9	7-09	600	1.5	45
HORSE REACH	50.7	49.8	49.8	45.4	7-09	800	0.6	45
CUSTOMHOUSE REACH	36.0	48.4	48.2	47.8	11-05;12-08	1385	0.2	45
SOUTH CHANNEL	24.4	24.8	24.5	B24.3	10-96; 7-04;9-08;6-09	600-1000	3.6	45
HOG ISLAND REACH	45.9	46.3	47.2	44.7	7-09	600	1.6	45
DRUM ISLAND REACH	43.5	45.7	48.8	46.1	6-09	1200-600	0.8	45
TIDEWATER REACH	34.6	29.9	29.2	27.9	7-09	650	0.7	40
TOWN CREEK LOWER REACH	37.0	42.1	43.0	44.7	7-09	450-400	1.1	45
TOWN CREEK LOWER REACH TB	38.2	38.6	38.6	37.8	7-09	300	0.25	35
TOWN CREEK UPPER REACH	35.2	40.2	C40.9	40.5	11-01; 5-02	250	1.0	16
MYERS BEND	40.5	47.5	48.0	42.7	6-09	900-1500	0.5	45
DANIEL ISLAND REACH	45.0	46.7	45.8	44.3	6-09	880	1.4	45
DANIEL ISLAND BEND	48.9	50.3	50.8	49.6	6-09	800-700	0.5	45
CLOUTER CREEK REACH	47.3	48.1	47.9	45.1	6-09	600	1.3	45
NAVY YARD REACH	47.5	47.8	46.5	43.4	6-09	600-700	1.1	45
NORTH CHARLESTON REACH	46.8	48.4	49.4	47.4	6-09	500-600	1.0	45
FILBIN CREEK REACH	46.6	47.8	48.1	47.5	6-09	500	0.9	45
PORT TERMINAL REACH	47.4	48.3	48.2	47.0	6-09	600	0.7	45
ORDNANCE REACH	48.1	48.0	49.9	49.5	6-09	600	0.4	45
ORDNANCE REACH TURNING BASIN	49.1	46.7	46.7	46.5	6-09	800	0.4	45
WANDO RIVER								
LOWER REACH	44.0	47.0	47.7	46.2	6-09	1500-400	1.4	45
UPPER REACH	39.0	42.1	44.9	43.3	6-09	850-600	0.9	45
TURNING BASIN	46.5	49.2	49.1	48.8	6-09	550	0.4	45
SHIPYARD CREEK								
MAIN CHANNEL	23.4	27.3	28.4	25.7	2-07	1200-300	1.2	30
LOWER TURNING BASIN	39.3	40.5	42.8	39.5	2-07	700	0.2	38
UPPER TURNING BASIN	14.0	21.1	19.5	19.6	2-07	600	0.2	30
COOPER RIVER								
RANGE A	38.2	37.4	38.3	37.9	7,8-98;7,10-03;6-04	400-1350	1.2	35
RANGE B	18.6	23.1	39.1	37.3	12-99;10-03	VARIES	0.9	35
RANGE C	20.6	D24.6	38.9	39.2	7,8-98;12-99;10,11,12-03	VARIES	0.9	35
RANGE D	38.9	38.4	38.2	38.0	2-00;11,12-03	VARIES	0.7	35
RANGE E	32.1	34.8	38.2	36.3	1-95	VARIES	0.4	35
RANGE F	25.0	36.6	35.2	33.9	1-95	VARIES	0.3	35

A. FOR WIDTH OF 1000 FEET, THE PROJECT DEPTH IS 42 FEET FOR OUTER 100 FEET.
B. ALONG CHANNEL EDGE.
C. OBSTRUCTION LOCATED WITH A DEPTH OF 39 FEET, AT 32°48'45.3"N; 79°55'45.7"W.
D. OBSTRUCTION LOCATED WITH A DEPTH OF 37 FEET, AT 32°55'15.9"N; 79°55'54.8"W.

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

Chart 12327 NM 43/09

ARTHUR KILL, KILL VAN KULL, NEWARK BAY, PORT NEWARK AND PORT ELIZABETH CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2009
AND SURVEYS TO MAR 2009

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)
ARTHUR KILL :								
OUTERBRIDGE REACH	33.9	35.0	35.6	34.8	6,7-08;9-08	600	1.6	35
PORT SOCONY REACH	31.8	34.6	35.0	31.0	6,7-08	600-800	0.8	35
PORT READING REACH	29.5	34.4	34.4	26.4	6,7-08	500	1.8	35
FRESH KILLS REACH	31.0	34.8	35.8	33.8	6,7-08	500	1.8	35
TREMLEY POINT REACH	30.6	37.7	36.6	28.2	6,7-08	600	0.9	35
PRALLS ISLAND REACH	30.2	34.2	35.3	28.0	6,7-08	500	1.2	35
GULFPORT REACH	32.8	36.6	37.4	30.3	6,7-08	500-600	1.1	35
ELIZABETHPORT REACH	42.0	43.8	43.1	42.3	6-08	500-600	1.1	41
NORTH OF SHOOTERS ISLAND REACH	40.1	41.4	42.5	42.1	6-08	600	1.0	41
KILL VAN KULL :								
CONSTABLE HOOK REACH	39.3	46.2	44.9	44.2	6-08	2000-800	2.2	45
BERGEN POINT EAST REACH	51.9	52.5	52.7	49.9	6-08	800	1.0	45
BERGEN POINT WEST REACH	51.8	52.6	52.9	50.2	6-08	800	1.1	45
SOUTH OF SHOOTERS ISLAND REACH	A10.1	A14.5	A13.8	A6.5	11-04;10-05;5-06	400	1.0	30
NEWARK BAY :								
SOUTH REACH	44.8	46.9	45.7	43.3	2-09	1000-1775	1.32	45
REACH B : MIDDLE REACH	37.7	43.2	36.5	35.4	2-09	800-1700	0.88	45
REACH B1 : MIDDLE REACH	38.3	39.1	34.1	28.2	2-09	560-800	0.53	35
NORTH REACH	13.9	22.1	17.7	6.4	2-09	500-1030	1.36	35
TURNING BASIN	22.2	22.1	19.6	7.1	2-09	900	0.26	35
PORT NEWARK :								
BRANCH REACH	27.5	34.9	37.1	31.7	3-09	400-1775	0.37	40
INSHORE REACH	33.7	32.3	31.1	31.3	3-09	400	1.06	40
PORT ELIZABETH CHANNEL REACH	40.5	41.9	41.4	38.0	2-09	500-800	1.22	45

A. NUMEROUS WRECKS AND OBSTRUCTIONS WITH MINIMUM DEPTH TO 4 FEET WITHIN CHANNEL LIMITS.
* 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

Chart 12327 NM 43/09

PORT ELIZABETH SOUTH, PORT NEWARK, PASSAIC AND HACKENSACK RIVERS CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2009
AND SURVEYS TO MAR 2009

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)
PORT ELIZABETH SOUTH REACH	42.9	44.1	44.5	2-09	140-290	0.41	45
PORT NEWARK :							
PIERHEAD REACH	32.1	30.6	29.0	3-09	300-750	0.65	40
PASSAIC RIVER:							
KEARNY POINT REACH	12.9	14.2	10.8	5-08	300	1.01	30
POINT NO POINT REACH	+0.5	4.0	8.6	5-08	300	1.13	30
HARRISON REACH	+0.7	3.7	0.7	5-08	300	1.87	A20
NEWARK REACH	+0.3	6.6	+0.7	5-08	300	1.28	A20
KEARNY REACH	+0.7	6.8	+0.7	5-08	300	0.85	20
ARLINGTON REACH	6.6	8.7	0.1	5-08	200-250	0.89	16
HACKENSACK RIVER:							
DROYERS REACH	24.9	23.8	17.5	5-08	300-500	1.56	B32
MARION REACH	24.1	25.2	21.1	5-08	300-370	1.82	B32
TURNING BASIN	15.4	15.4	15.4	5-08	irregular	0.23	25

A. REACHES WERE NEVER COMPLETED TO A 20 FOOT DEPTH. PREVIOUS DREDGING WAS TO 16 FEET ONLY.
B. REACHES WERE NEVER COMPLETED TO A 32 FOOT DEPTH. PREVIOUS DREDGING WAS TO 30 FEET ONLY.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12333 NM 43/09

ARTHUR KILL, KILL VAN KULL, NEWARK BAY, PORT NEWARK AND PORT ELIZABETH CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2009
AND SURVEYS TO MAR 2009

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)
AUTHUR KILL :								
FRESH KILLS REACH	31.0	34.8	35.8	33.8	6,7-08	500	1.8	35
TREMLEY POINT REACH	30.6	37.7	36.6	28.2	6,7-08	600	0.9	35
PRALLS ISLAND REACH	30.2	34.2	35.3	28.0	6,7-08	500	1.2	35
GULFPORT REACH	32.8	36.6	37.4	30.3	6,7-08	500-600	1.1	35
ELIZABETHPORT REACH	42.0	43.8	43.1	42.3	6-08	500-600	1.1	41
NORTH OF SHOOTERS ISLAND REACH	40.1	41.4	42.5	42.1	6-08	600	1.0	41
KILL VAN KULL :								
SOUTH OF SHOOTERS ISLAND REACH	A10.1	A14.5	A13.8	A6.5	11-04;10-05;5-06	400	1.0	30
BERGEN POINT WEST REACH	51.8	52.6	52.9	50.2	6-08	800	1.1	45
BERGEN POINT EAST REACH	51.9	52.5	52.7	49.9	6-08	800	1.0	45
CONSTABLE HOOK REACH	39.3	46.2	44.9	44.2	6-08	2000-800	2.2	45
NEWARK BAY :								
SOUTH REACH	44.8	46.9	45.7	43.3	2-09	1000-1775	1.32	45
REACH B : MIDDLE REACH	37.7	43.2	36.5	35.4	2-09	800-1700	0.88	45
REACH B1 : MIDDLE REACH	38.3	39.1	34.1	28.2	2-09	560-800	0.53	35
NORTH REACH	13.9	22.1	17.7	6.4	2-09	500-1030	1.36	35
PORT NEWARK :								
BRANCH REACH	27.5	34.9	37.1	31.7	3-09	400-1775	0.37	40
PORT ELIZABETH CHANNEL REACH	40.5	41.9	41.4	38.0	2-09	500-800	1.22	45

A. NUMEROUS WRECKS AND OBSTRUCTIONS WITH MINIMUM DEPTH TO 4 FEET WITHIN CHANNEL LIMITS.

* 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

Chart 12333 NM 43/09

PORT ELIZABETH SOUTH AND PORT NEWARK CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2009
AND SURVEYS TO MAR 2009

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)
PORT ELIZABETH SOUTH REACH	42.9	44.1	44.5	2-09	140-290	0.41	45
PORT NEWARK :							
PIERHEAD REACH	32.1	30.6	29.0	3-09	300-750	0.65	40

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

Chart 12337 NM 43/09

NEWARK BAY, PASSAIC RIVER AND PORT NEWARK CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2009 AND SURVEYS TO MAR 2009

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)
NEWARK BAY :								
REACH B1: MIDDLE REACH	38.3	39.1	34.1	28.2	2-09	560-800	0.53	35
NORTH REACH	13.9	22.1	17.7	6.4	2-09	500-1030	1.36	35
TURNING BASIN	22.2	22.1	19.6	7.1	2-09	900	0.26	35
PASSAIC RIVER :								
NUTLEY REACH (C)	2.6	9.2	7.4	3.5	11-89	150	1.7	10
RUTHERFORD REACH (C)	1.7	5.1	3.8	3.7	11-89	150	2.2	10
WALLINGTON REACH (C)	A2.2	1.5	1.9	B1.1	11-89	150	0.9	10
PORT NEWARK :								
BRANCH REACH	27.5	34.9	37.1	31.7	3-09	400-1775	0.37	40
INSHORE REACH	33.7	32.3	31.1	31.3	3-09	400	1.06	40

A. SHOALING TO BARE EXTENDS ACROSS THE QUARTER ABOUT 370 YARDS DOWNSTREAM OF THE EIGHTH STREET BRIDGE.
B. SHOALING TO BARE EXTENDS ACROSS THE QUARTER ABOUT 300 YARDS NORTH OF THE MAIN STREET BRIDGE AND SHOALING TO 3.5 FEET FROM 40° 46' 04.5" N, 74° 09' 23.0" W TO 40°46'06.3"N 74°09'22.7"W
C. THE CORPS OF ENGINEERS HAS CONFIRMED THAT THIS REACH IS NOT ACTIVELY MAINTAINED.

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

Chart 12337 NM 43/09

PASSAIC, HACKENSACK RIVERS AND PORT NEWARK CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2009 AND SURVEYS TO MAR 2009

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)
PASSAIC RIVER:							
KEARNY POINT REACH	12.9	14.2	10.8	5-08	300	1.01	30
POINT NO POINT REACH	+0.5	4.0	8.6	5-08	300	1.13	30
HARRISON REACH	+0.7	3.7	0.7	5-08	300	1.87	20
NEWARK REACH	+0.3	6.6	+0.7	5-08	300	1.28	A20
KEARNY REACH	+0.7	6.8	+0.7	5-08	300	0.85	A20
ARLINGTON REACH	6.6	8.7	0.1	5-08	200-250	0.89	16
BELLEVILLE REACH	+0.8	2.9	10.7	6-92;7-07;5-08	235-205	0.16	10
HACKENSACK RIVER:							
DROYERS REACH	24.9	23.8	17.5	5-08	300-500	1.56	B32
MARION REACH	24.1	25.2	21.1	5-08	300-370	1.82	B32
TURNING BASIN	15.4	15.4	15.4	5-08	irregular	0.23	25
PORT NEWARK :							
PIERHEAD REACH	32.1	30.6	29.0	3-09	300-750	0.65	40

A. REACHES WERE NEVER COMPLETED TO A 20 FOOT DEPTH. PREVIOUS DREDGING WAS TO 16 FEET ONLY.
B. REACHES WERE NEVER COMPLETED TO A 32 FOOT DEPTH. PREVIOUS DREDGING WAS TO 30 FEET ONLY.

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