

SECTION I

NM 43/03

Chart 11328

NM 43/03

HOUSTON SHIP CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)						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)
BOLIVAR ROADS TO LOWER END OF MORGAN POINT	36.0	41.0	39.0	32.0	9/02; 1/03	400-530	23.4	40
LOWER END OF MORGAN PT. TO EXXON OIL CO. SLIP	36.0	40.0	36.0	32.0	7-03	400-525	4.2	40
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11344

NM 43/03

CALCASIEU PASS AND RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2003								
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	24.0	34.0	34.0	23.0	7-03	800	19.1	42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	30.0	45.0	47.0	47.0	6-03	400	1.4	40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	19.0	38.0	40.0	35.0	6-03	400	6.0	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11347 (Side A)

NM 43/03

CALCASIEU PASS AND RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2003								
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	24.0	34.0	34.0	23.0	7-03	800	19.1	42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	30.0	45.0	47.0	47.0	6-03	400	1.4	40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	19.0	38.0	40.0	35.0	6-03	400	6.0	40
THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W)	29.0	36.0	38.0	33.0	6-03	400	6.0	40
THENCE TO A POINT (A) (30°04'00.0"N, 93°19'38.0"W)	31.0	37.0	36.0	31.0	7-03	400	6.0	40
THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W)	30.0	36.0	33.0	30.0	6,7-03	400	5.0	40
THENCE TO 210 BRIDGE	34.0	37.0	35.0	31.0	6-03	400	4.4	40
THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	35.0	38.0	36.0	29.0	6-03	400	2.0	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

SECTION I

Chart 11347 (Side B)

NM 43/03

CALCASIEU PASS AND RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2003								
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	24.0	34.0	34.0	23.0	7-03	800	19.1	42
JETTY CHANNEL TO (28°46'00.0"N, 93°20'40.0"W)	30.0	45.0	47.0	47.0	6-03	400	1.4	40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	19.0	38.0	40.0	35.0	6-03	400	6.0	40
THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W)	29.0	36.0	38.0	33.0	6-03	400	6.0	40
THENCE TO A POINT (A) (30°04'00.0"N, 93°19'38.0"W)	31.0	37.0	36.0	31.0	7-03	400	6.0	40
THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W)	30.0	36.0	33.0	30.0	6,7-03	400	5.0	40
THENCE TO 210 BRIDGE	34.0	37.0	35.0	31.0	6-03	400	4.4	40
THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	35.0	38.0	36.0	29.0	6-03	400	2.0	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11353

NM 43/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003					
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	38.0	36.0	34.0	600	7,8-03
THENCE TO END OF JETTY OPPOSITE LIGHT 62	28.0	33.0	26.0	500	6,7,8-03
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE					

Chart 11363

NM 43/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003					
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	38.0	36.0	34.0	600	7,8-03
THENCE TO END OF JETTY OPPOSITE LIGHT 62	28.0	33.0	26.0	500	6,7,8-03
THENCE TO INTERSECTION WITH G. I. W. W.	24.0	31.0	21.0	500	12-02; 1,2,5,6,7-03
THENCE TO INNER HARBOR NAVIGATION CANAL	26.0	28.0	30.0	500	1,8-03
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE					

SECTION I

Chart 11364

NM 43/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003					
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	38.0	36.0	34.0	600	7,8-03
THENCE TO END OF JETTY					
OPPOSITE LIGHT 62	28.0	33.0	26.0	500	6,7,8-03
THENCE TO INTERSECTION WITH G. I. W. W.	24.0	31.0	21.0	500	12-02; 1,2,5,6,7-03
THENCE TO INNER HARBOR NAVIGATION CANAL	26.0	28.0	30.0	500	1,8-03
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE					

Chart 11369

NM 43/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003					
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	38.0	36.0	34.0	600	7,8-03
THENCE TO END OF JETTY					
OPPOSITE LIGHT 62	28.0	33.0	26.0	500	6,7,8-03
THENCE TO INTERSECTION WITH G. I. W. W.	24.0	31.0	21.0	500	12-02; 1,2,5,6,7-03
THENCE TO INNER HARBOR NAVIGATION CANAL	26.0	28.0	30.0	500	1,8-03
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE					

Chart 11505

NM 43/03

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2003								
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 (FEET)
TYBEE RANGE	44.0	44.0	44.5	43.5	07-03	600	3.3	44
BLOODY POINT RANGE	44.5	44.0	44.0	44.0	07-03	600	3.0	44
JONES ISLAND RANGE	44.5	42.5	43.0	44.0	07-03	600	1.2	44
TYBEE KNOLL CUT RANGE	43.0	43.5	43.5	43.0	07-03	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								

SECTION I

NM 43/03

Chart 11506

NM 43/03

BRUNSWICK HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2003							
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)	32.0	32.5	A29.0	07-03	500	7.7	32
PLANTATION CREEK RANGE	38.0	40.0	39.5	07-03	400	1.8	32
JEKYLL ISLAND RANGE	30.0	32.0	33.0	07-03	400	1.9	30
CEDAR HAMMOCK RANGE	29.0	30.0	28.0	07-03	400	1.4	30
BRUNSWICK PT CUT RANGE	27.0	29.0	29.0	07-03	400	2.4	30
EAST RIVER							
LOWER REACH	B32.0	31.5	30.0	07-03	400	1.1	30
UPPER REACH	25.5	27.0	26.0	07-03	350	1.0	27
EAST RIVER TURNING BASIN	28.5	28.5	28.5	07-03	750	0.2	30
TURTLE RIVER LOWER RANGE	34.0	30.5	30.0	07-03	300	1.7	30
BLYTHE ISLAND RANGE	31.0	26.0	25.5	07-03	300	1.5	30
TURTLE RIVER UPPER RANGE	27.5	28.0	25.0	07-03	300	1.7	30
SOUTH BRUNSWICK RIVER	30.5	30.5	31.5	07-03	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 31.0 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT, AND 31.0 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

Chart 11512

NM 43/03

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2003								
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	44.5	43.5	07-03	600	3.3	44
BLOODY POINT RANGE	44.5	44.0	44.0	44.0	07-03	600	3.0	44
JONES ISLAND RANGE	44.5	42.5	43.0	44.0	07-03	600	1.2	44
TYBEE KNOLL CUT RANGE	43.0	43.5	43.5	43.0	07-03	500	2.5	42
NEW CHANNEL RANGE (A)	42.5	43.0	44.0	44.0	08-03	500	1.6	42
L. I. CROSSING RANGE	44.5	43.0	44.0	41.5	08-03	500	2.6	42
LOWER FLATS RANGE	44.0	47.0	45.5	43.0	08-03	500	1.3	42
UPPER FLATS RANGE	46.0	46.5	47.0	44.5	08-03	500	1.2	42
THE BIGHT CHANNEL	44.0	45.5	47.0	46.0	08-03	500	1.5	42
FT. JACKSON RANGE	44.5	47.0	47.0	41.5	08-03	500	0.7	42
OGLETHORPE RANGE	44.0	45.0	44.0	42.0	08-03	500	1.2	42
WRECKS CHANNEL (B)	42.0	44.0	44.0	42.5	08-03	500	1.5	42
CITY FRONT CHANNEL	43.5	44.5	43.0	43.0	08-03	500	1.5	42
MARSH ISLAND CHANNEL (C)	42.0	44.0	45.0	42.0	08-03	500	1.7	42
KINGS ISLAND CHANNEL (D)	42.0	44.0	43.5	42.0	08-03	500	2.1	42
WHITEHALL CHANNEL (E)	30.0	33.0	36.0	36.5	08-03	400	0.6	42-36
PORT WENTWORTH CHANNEL (F)	30.0	33.5	30.0	32.0	12-94; 08-03	200	1.2	30

A. OYSTER BED I. TURNING BASIN-CONTROLLING DEPTH 43.5 FT, 38.0 FT 100 FT FROM BACKSIDE.
 B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 38.5 FT, 32.0 FT 100 FT FROM BACKSIDE.
 C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 36.0 FT, 31.0 FT 100 FT FROM BACKSIDE.
 D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 41.0 FT, 41.0 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 32.5 FT, 28.0 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 11514 (Side A)

NM 43/03

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2003								
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	44.0	45.0	44.0	42.0	08-03	500	1.2	42
WRECKS CHANNEL (A)	42.0	44.0	44.0	42.5	08-03	500	1.5	42
CITY FRONT CHANNEL	43.5	44.5	43.0	43.0	08-03	500	1.5	42
MARSH ISLAND CHANNEL (B)	42.0	44.0	45.0	42.0	08-03	500	1.7	42
KINGS ISLAND CHANNEL (C)	42.0	44.0	43.5	42.0	08-03	500	2.1	42
WHITEHALL CHANNEL (D)	30.0	33.0	36.0	36.5	08-03	400	0.6	42-36
PORT WENTWORTH CHANNEL (E)	30.0	33.5	30.0	32.0	12-94; 08-03	200	1.2	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 38.5 FT, 32.0 FT 100 FT FROM BACKSIDE.
 B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 36.0 FT, 31.0 FT 100 FT FROM BACKSIDE.
 C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 41.0 FT, 41.0 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 32.5 FT, 28.0 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 11524

NM 43/03

CHARLESTON HARBOR, COOPER RIVER AND SHIPYARD RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- SURVEYS TO JUNE 2003								
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)
FORT SUMTER RANGE	46.8	47.8	47.5	47.0	4-03	1000	14.8	47
MOUNT PLEASANT RANGE	46.0	46.5	45.9	47.2	2-03	1000-600	1.6	45
REBELLION REACH	46.6	47.4	46.9	47.2	2-03	600	1.4	45
SHUTES-FOLLY REACH	47.6	47.3	47.3	47.8	2,3-03	600-800	1.3	45
HORSE REACH	47.5	48.3	48.2	44.6	5,11-02	800	0.5	45
CUSTOMHOUSE REACH	34.9	48.3	48.1	46.2	5-02;2,3-03	1985	0.2	45
SOUTH CHANNEL	24.4	24.8	24.5	A24.3	10-96	600-1000	3.1	45
HOG ISLAND REACH	46.1	47.1	43.6	39.2	11-02;2,3-03	600-1300	1.5	45
DRUM ISLAND REACH	46.2	47.6	48.2	42.3	5-03	600-1300	0.7	45
TOWN CREEK LOWER REACH	34.4	38.3	38.2	35.8	2,3-03	400-450	1.1	45
TURNING BASIN	36.5	34.3	34.2	33.4	5-02	250	0.25	35
TOWN CREEK UPPER REACH	35.2	40.2	40.9	40.5	11-01;5-02	250	1.0	16
MYERS BEND	42.0	47.2	47.5	47.5	11-01;5-03	600-900	0.4	45
DANIEL ISLAND REACH	46.6	46.2	44.6	39.0	5-03	880-980	1.2	45
DANIEL ISLAND BEND	49.2	48.5	48.9	48.3	5-03	700-780	0.4	45
CLOUTER CREEK REACH	41.0	42.6	42.6	40.2	5-03	600	0.9	45
NAVY YARD REACH	38.9	42.2	40.6	34.7	5-03	600-700	1.1	45
NORTH CHARLESTON REACH	35.0	41.5	43.7	46.8	5-03	500-600	1.0	45
FILBIN CREEK REACH	47.0	47.7	47.8	47.3	6-03	500	0.6	45
PORT TERMINAL REACH	41.3	42.5	44.8	44.9	6-03	600	0.7	45
ORDNANCE REACH	39.9	41.2	41.0	41.7	6-03	600	0.3	45
ORDNANCE REACH TURNING BASIN	43.9	40.6	38.4	37.9	6-03	800	0.26	45
WANDO RIVER								
LOWER REACH	45.8	46.3	47.1	45.9	6-03	1500-400	1.3	45
UPPER REACH	46.8	47.1	47.4	42.1	5-03	400-850	0.74	45
TURNING BASIN	49.2	49.9	48.6	48.7	5-03	550	0.3	45
SHIPYARD CREEK								
MAIN CHANNEL	26.2	27.4	29.0	27.2	8,10-00	1200-300	1.0	30
LOWER TURNING BASIN	37.9	38.9	40.0	40.8	8,10-00	700	0.2	38
UPPER TURNING BASIN	22.0	23.4	23.7	24.7	8,10-00	600	0.15	30
COOPER RIVER								
RANGE A	38.7	37.4	38.3	38.9	7,8-98;12-99	400-1350	1.02	35
RANGE B	20.5	25.2	36.4	37.0	12-99	VARIES	0.74	35
RANGE C	20.6	26.1	38.3	36.1	7,8-98;12-99;1-00	VARIES	0.76	35
RANGE D	30.2	37.4	37.8	37.1	2-00	VARIES	0.58	35
RANGE E	32.1	34.8	38.2	36.3	1-95	VARIES	0.38	35
RANGE F	25.0	36.6	35.2	33.9	1-95	VARIES	0.29	35

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

SECTION I

NM 43/03

Chart 11532

NM 43/03

WINYAH BAY AND GEORGETOWN HARBOR								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2000 AND SURVEYS TO JUN 2003								
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 (FEET)
ENTRANCE CHANNEL	24.9	25.3	25.3	20.3	6-03	600	2.0	28
RANGE B	28.1	30.1	29.7	25.3	7-02	600	0.9	28
SOUTH ISLAND BEND	30.0	29.2	23.2	A19.2	6-03	600	1.2	29
RANGE C	23.6	25.5	24.5	29.2	7-02	400	1.4	28
RANGE D	26.3	28.1	28.1	28.2	7-02	300	1.5	27
RANGE E	22.6	25.4	26.1	24.6	7-02; 6-03	300	4.6	27
FRAZIER PT. BEND	27.8	28.5	27.5	28.7	9,11-98; 7-02	300-700	1.0	27
RABBIT ISLAND CHANNEL	28.6	28.0	27.0	25.4	9,11-98; 4-00	300-500	1.8	27
SAMPIT PT. CHANNEL	18.6	21.1	21.1	21.6	6-00	300-700	0.7	27

(A) SHOALING TO 9 FEET IN THE VICINITY OF 33°12'02.1"N; 79°10'33.4"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11537

NM 43/03

CAPE FEAR RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003								
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 (FEET)
BALDHEAD SHOAL	36.3	36.2	30.6	18.8	7-03	500	5.0	40
SMITH ISLAND	42.7	43.7	44.3	43.8	6-03	500	1.0	40
BALDHEAD CASWELL CHANNEL	42.5	45.7	45.8	45.4	6-03	500	0.4	40
SOUTHPORT CHANNEL	43.8	44.3	44.0	40.0	6-03	500	1.0	40
BATTERY ISLAND CHANNEL	44.7	44.1	44.5	31.1	6-03	500	0.5	40
LOWER SWASH	41.0	42.1	42.0	40.9	5-03	400	1.6	38
SNOWS MARSH	39.4	41.6	41.1	39.5	5-03	400	3.1	38
HORSESHOE SHOAL	40.1	41.5	41.0	40.0	2-03	400	1.2	38
REAVES POINT	42.8	42.4	41.7	42.6	5-03	400	1.2	38
LOWER MIDNIGHT	35.7	38.0	39.0	37.2	12-02; 4-03	400	1.6	38
UPPER MIDNIGHT	16.8	34.0	37.0	33.8	5-03	400	2.7	38
LOWER LILLIPUT	38.3	38.0	38.5	36.7	5-03	400	1.9	38
UPPER LILLIPUT	44.0	43.6	43.7	42.1	4-03	400	1.9	38
KEG ISLAND	34.0	43.5	44.2	34.8	8-03	400	1.4	38
BIG ISLAND LOWER	35.4	42.3	44.2	33.3	8-03	400	0.8	38
BIG ISLAND UPPER	39.3	45.0	41.6	35.6	7-03	400	0.5	38
LOWER BRUNSWICK	38.6	43.0	43.1	37.6	7-03	400	1.6	38
UPPER BRUNSWICK	39.0	42.8	45.2	44.2	7-03	400	1.0	38
FOURTH EAST JETTY	41.9	44.0	44.0	41.5	7-03	400	1.2	38
BETWEEN CHANNEL	34.8	39.2	38.8	35.3	7-03	550	0.8	38
ANCHORAGE BASIN & APP CHANNEL	30.2	36.8	37.5	33.4	7-03	450-1090	1.3	38
HWY 74-76 TO BATTLESHIP	26.7	33.7	35.5	28.3	11-02	400	0.6	32
BATTLESHIP TO HWY 117 INCLUDING TURNING BASIN	9.0	29.4	31.4	18.6	11-02	190-850	-	32
HWY 117 TO HILTON BR	27.7	27.9	31.2	30.8	11-02	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

SECTION I

NM 43/03

Chart 11545

NM 43/03

MOREHEAD CITY HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2003								
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)
BEAUFORT INLET CHANNEL FROM 2000 FT NORTH OF LTD. BUOY "8"	41.1	44.7	41.5	32.1	7-03	450-800	2.26	47
CUTOFF CHANNEL	48.9	49.2	47.2	38.5	7-03	600	0.38	42
MOREHEAD CITY CHANNEL	33.4	42.5	42.2	37.9	6-03	400	1.10	40
TURNING BASIN								
EAST LEG	43.4	42.4	43.4	40.5	6-03	400-870	0.78	40
WEST LEG	33.7	36.0	37.2	39.9	6-03	800-3000	0.59	35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11547

NM 43/03

MOREHEAD CITY HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2003								
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)
BEAUFORT INLET CHANNEL FROM 2000 FT NORTH OF LTD. BUOY "8"	41.1	44.7	41.5	32.1	7-03	450-800	2.26	47
CUTOFF CHANNEL	48.9	49.2	47.2	38.5	7-03	600	0.38	42
MOREHEAD CITY CHANNEL	33.4	42.5	42.2	37.9	6-03	400	1.10	40
TURNING BASIN								
EAST LEG	43.4	42.4	43.4	40.5	6-03	400-870	0.78	40
WEST LEG	33.7	36.0	37.2	39.9	6-03	800-3000	0.59	35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

SECTION I

NM 43/03

Chart 12313

NM 43/03

SCHUYLKILL RIVER CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT SCHUYLKILL RIVER DATUM					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)
1	29.7	31.6	33.0	7-03	400	0.32	33
2	29.1	30.2	29.9	7-03	400	0.34	33
3	27.5	30.3	29.7	7-03	400	0.18	33
4	29.7	31.6	30.3	7-03	400	0.11	33
5	30.7	31.2	29.4	7-03	300	0.30	33
6	34.1	32.1	30.8	7-03	325	0.21	33
7	32.1	29.7	25.1	7-03	300	0.31	33
8	31.1	29.4	25.2	7-03	300	0.15	33
9	30.0	29.3	26.4	7-03	300	0.31	33
10	32.9	34.9	33.3	7-03	325	0.09	33
11	31.1	33.8	35.2	7-03	350	0.05	33
12	27.9	31.8	33.7	7-03	350	0.05	33
13	26.2	30.4	32.5	7-03	325	0.07	33
14	20.1	30.7	32.2	7-03	300	0.14	33
15	17.9	29.8	33.2	7-03	325	0.08	33
16	16.9	26.5	32.0	7-03	350	0.08	33
17	24.0	29.2	29.7	7-03	325	0.06	33
18	18.5	25.8	30.1	7-03	300	0.45	33
19	22.5	35.3	33.5	7-03	200	0.08	33-26
20	27.3	33.1	27.5	11-02	250	0.05	26
21	29.9	22.7	19.4	11-02	250	0.04	26
22	26.5	22.3	17.8	11-02	250	0.06	26
23	23.9	16.7	13.6	11-02	200	0.21	26
24	29.5	23.2	14.5	11-02	250	0.06	26
25	28.6	19.2	11.7	11-02	250	0.09	26
26	28.0	17.0	10.4	11-02	250	0.09	26
27	24.8	17.1	11.0	11-02	225	0.12	26
28	20.0	14.4	12.1	11-02	200	0.10	26
29	14.0	14.4	12.4	4,11-02	200	0.23	26-22
30	14.1	15.3	16.8	4-02	200	0.30	22
31	23.8	18.3	16.3	4-02	200	0.10	22
32	20.7	17.8	14.3	4-02	200	0.26	22
33	24.5	12.5	10.7	4-02	200	0.10	22
34	20.4	18.1	13.7	4-02	250	0.07	22
35	23.9	17.1	12.8	4-02	250	0.08	22
36	23.1	16.4	13.4	4-02	250	0.08	22
37	20.8	22.5	19.6	4-02	250	0.06	22
38	14.5	14.7	16.4	4-02	225	0.13	22

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

SECTION I

NM 43/03

Chart 12369

NM 43/03

BRIDGEPORT AND BLACK ROCK HARBORS - CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2003 AND SURVEYS TO MAR 2000							
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)
BRIDGEPORT ENTRANCE CHANNEL	30.0	31.1	29.3	7-97,3-00	400	2.5	35
BRIDGEPORT REACH	25.0	26.5	24.4	1,2,3-00	400-600	0.9	35
PEQUONNOCK RIVER							
LOWER REACH	8.3	16.2	9.7	3-00	69-300	0.5	18
UPPER REACH	6.7	A 8.0	B 8.0	3-00	69-125	0.4	18
JOHNSONS CREEK							
ENTRANCE CHANNEL	10.9	9.2	C 9.4	3-00	200-350	0.7	15
NEWFIELD REACH	9.9	9.0	6.6	7-90,3-00	100	0.2	9
YELLOW MILL CHANNEL							
LOWER REACH	13.1	14.6	13.0	3-00	200-100	0.3	18
MIDDLE REACH	11.4	14.9	12.6	3-00	200-100	0.3	18
UPPER REACH	D 8.4	E 9.3	F 8.1	3-00	150	0.3	18
BLACK ROCK ENTRANCE CHANNEL	11.0	14.1	14.7	11-91	150	1.1	18
BLACK ROCK REACH	9.9	14.2	10.4	11-91	150	0.6	18
CEDAR CREEK CHANNEL	13.8	15.6	15.0	11-91	200-150	0.4	18
WEST BRANCH	14.8	15.1	15.0	11-91	100	0.3	18
EAST BRANCH	G 15.9	G 16.3	G 15.5	11-91	100	0.2	18

A. EXCEPT FOR SHOALING TO 2.0 FEET IN THE LAST 200 FEET OF CHANNEL.
 B. EXCEPT FOR SHOALING TO 2.0 FEET IN THE LAST 200 FEET OF CHANNEL.
 C. EXCEPT FOR SHOALING TO 3.7 FEET AT 41°09'56.0"N, 73°10'02.3"W.
 D. EXCEPT FOR SHOALING TO 0.6 FEET AT THE UPSTREAM END OF THE PROJECT.
 E. EXCEPT FOR SHOALING TO 2.4 FEET AT THE UPSTREAM END OF THE PROJECT.
 F. EXCEPT FOR SHOALING TO 1.3 FEET AT THE UPSTREAM END OF THE PROJECT.
 G. EXCEPT FOR SHOALING TO 5.6 FEET THE LAST 200 FEET OF THE CHANNEL.

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

Chart 14815

NM 43/03

ROCHESTER HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS JUN 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH LWD (FEET)
ENTRANCE TO BEGINNING OF JETTIES	19.3	19.7	20.2	6-03	300	0.91	24
BEGINNING OF JETTIES TO END OF JETTIES	18.1	18.9	18.4	6-03	200	0.57	23
END OF JETTIES TO RR BRIDGE	11.2	18.3	18.7	6-03	200-400	0.27	23
TURNING BASIN	8.3	A 8.5	7.3	6-03	140-25	0.04	23
RR BRIDGE TO 200 FT N OF BUOY "2" AT 43°14'04"N 077°37'02"W	13.4	B 18.0	16.7	6-03	150-225	1.44	21
200 FT N OF BUOY "2" AT 43°14'04"N 077°37'02"W TO PT AT 43°13'50"N 077°36'57"W	19.8	14.9	13.5	6-03	150-525	0.30	21
PT AT 43°13'50"N 077°36'57"W TO END OF PROJECT	11.3	12.2	13.6	6-03	150	0.51	21

A. SHOALING TO 7.8 FEET IN LEFT HALF OF QUARTER
 B. SHOALING TO 11.8 FEET FROM 43°15'10.8"N 077°36'30.1"W TO 43°15'13.7"N 077°36'28.0"W

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

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NM 43/03

Chart 14833

NM 43/03

BUFFALO HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2003 AND SURVEYS TO NOV 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
BUFFALO HARBOR:								
SOUTH ENTRANCE INNER CHANNEL	26.3	26.0	24.7	21.5	12-01	400-1200	.37	29
OUTER HARBOR SOUTHERN CHANNEL	A19.7	23.9	B25.9	25.8	12-01	1130-1425	.76	26
OUTER HARBOR TURNING BASIN	18.0	19.8	20.7	20.6	12-01	900	.80	23
OUTER HARBOR MIDDLE CHANNEL	19.2	23.9	24.1	23.7	12-01	500-1600	2.12	27
OUTER HARBOR NORTHERN CHANNEL	18.2	19.7	21.1	20.9	12-01	1175-1350	.91	23
BUFFALO RIVER:								
ENTRANCE CHANNEL	C16.0	D19.8	E18.5	F18.3	6-01	220-1625	.98	23
BUFFALO RIVER	G9.7	H14.6	I14.3	J9.2	11-02	100-700	5.27	23
BUFFALO SHIP CANAL	17.5	20.3	19.0	K18.3	6-01	125	1.02	23
BLACK ROCK CANAL:								
ENTRANCE CHANNEL	17.9	20.1	17.4	L17.2	12-01	450-1000	.80	21
BLACK ROCK CANAL TO LOCK	M15.3	19.6	20.0	12.1	12-01	200-350	3.05	21

A. SHOALING TO 15.4 FEET AT 42°49'57.0"N-78°51'55.3"W.
 B. SHOALING TO 23.5 FEET AT 42°49'55.3"N-78°51'41.1"W.
 C. SHOALING TO 10.8 FEET IN OUTSIDE 50 FEET OF QUARTER FROM 42°52'40.7"N-78°52'52.7"W TO 42°52'30.3"N-78°52'42.9"W.
 D. SHOALING TO 8.7 FEET WITHIN 100 FEET OF END OF REACH.
 E. SHOALING TO 16.8 FEET WITHIN 200 FEET OF END OF REACH.
 F. SHOALING TO 13.3 FEET OUTSIDE 50 FEET OF QUARTER.
 G. SHOALING TO 8.1 FEET LAST 200 FEET OF REACH AND 2.1 FEET WITHIN 200 FEET OF POINT AT 42°51'47.35"N-78°51'13.35"W.
 H. SHOALING TO 9.2 FEET LAST 300 FEET OF REACH.
 I. SHOALING TO 13.4 FEET WITHIN 300 FEET OF POINT AT 42°51'26.9"N-78°51'10.1"W AND 4.0 FEET WITHIN 100 FEET OF BRIDGE ABUTMENTS.
 SHOALING TO 8.2 FEET LAST 200 FEET AND 12.2 FEET AT 42°51'24.30"N-78°50'39.87"W.
 J. SHOALING TO 8.3 FEET WITHIN 200 FEET OF BRIDGE ABUTMENTS.
 SHOALING TO 2.5 FEET WITHIN 300 FEET OF POINT AT 42°51'38.0"N-78°50'42.7"W AND 8.7 FEET WITHIN 200 FEET OF END OF REACH.
 SHOALING TO 7.0 FEET WITHIN 200 FEET OF POINT AT 42°51'45.99"N-78°50'39.87"W.
 K. SHOALING TO 8.2 FEET WITHIN 125 FEET OF END OF REACH.
 L. SHOALING TO 6.6 FEET IN OUTSIDE 50 FEET OF QUARTER AND 12.7 FEET WITHIN 200 FEET OF END OF REACH.
 M. SHOALING TO 12.7 FEET AT 42°55'50.9"N-78°54'07.6"W.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

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NM 43/03

Chart 14839

NM 43/03

CLEVELAND HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAY 2003 AND REPORTS TO JUN 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
LAKE APPROACH CHANNEL	28.4	31.8	30.4	27.3	5-02	600-750	0.22	29
ENTRANCE CHANNEL	27.4	29.1	29.1	25.5	5-02	225-750	0.22	28
CUYAHOGA RIVER								
PIER RANGE	A18.1	26.0	27.9	B18.9	5-03	230	0.30	27
THENCE TO LORAIN								
CARNEGIE VIADUCT BRIDGE	11.8	22.3	21.9	C11.1	5-03	100-700	2.69	23
THENCE TO END OF PROJECT	D9.5	E19.6	F18.8	G14.1	5-03	110-400	3.11	23
OLD RIVER								
FROM CUYAHOGA RIVER								
TO END OF PROJECT	16.8	22.3	22.3	H17.5	5-03	125-200	1.10	27
EAST BASIN								
AIRPORT RANGE	I20.0	23.6	23.5	20.3	8,9-01	500	3.11	25
TURNING BASIN	22.8	22.9	23.3	22.3	8,9-01	400-1600	0.33	25
EASTERN SECTION	22.6	23.2	22.4	17.3	8,9-01;5-02	1250-1540	0.72	27
WESTERN SECTION	26.1	28.3	23.7	21.0	5-02	1300-1540	0.28	28
WEST BASIN	J24.3	K25.2	L24.1	M20.2	9-01;5-02	1150-1570	0.91	28
A. EXCEPT FOR SHOALING TO 15.1 FEET AT 41°30'00.7"N 081°42'31.5"W. B. EXCEPT FOR SHOALING TO 17.6 FEET AT 41°29'59.9"N 081°42'34.4"W. C. EXCEPT FOR SHOALING TO 4.4 FEET AT 41°29'37.2"N 081°42'13.7"W. D. EXCEPT FOR SHOALING TO 5.3 FEET AT 41°29'22.4"N 081°41'00.2"W. E. EXCEPT FOR SHOALING TO 8.5 FEET IN LAST 800 FEET OF QUARTER. F. EXCEPT FOR SHOALING TO 8.9 FEET IN LAST 1000 FEET OF QUARTER. G. EXCEPT FOR SHOALING TO 1.1 FEET FROM 41°29'10.8"N 081°40'47.3"W TO 41°29'09.4"N 081°40'46.0"W AND TO 2.5 FEET IN LAST 1000 FEET OF QUARTER. H. EXCEPT FOR SHOALING TO 14.4 FEET FROM 41°29'50.6"N 081°42'44.5"W TO 41°29'51.3"N 081°42'43.6"W I. EXCEPT FOR SHOALING TO 18.7 FEET AT 41°31'08.3"N 081°41'19.1"W AND 19.4 FEET AT 41°31'52.3"N 081°41'01.6"W. J. EXCEPT FOR SHOALING TO 20.5 FEET IN WESTERN 450 FEET OF PROJECT. K. EXCEPT FOR SHOALING TO 18.4 FEET IN WESTERN 550 FEET OF PROJECT. L. EXCEPT FOR SHOALING TO 16.1 FEET IN WESTERN 900 FEET OF PROJECT. M. EXCEPT FOR SHOALING TO 15.6 FEET IN WESTERN 500 FEET OF PROJECT. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 14843

NM 43/03

HURON HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS AND REPORTS TO MAY 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH LWD (FEET)
ENTRANCE CHANNEL	15.7	22.0	24.0	5-03	400-300	1.70	29.0
HURON RANGE	20.6	23.7	19.9A	5-03	300-150	.36	28.0
EAST TURNING BASIN	23.6	24.8	21.4	5-03	150-350		27.0
WEST TURNING BASIN	18.3	14.7	13.5	5-03	450		21.0
A. SHOAL TO 7.4 FT FOR OUTSIDE 50 FT OF QUARTER FROM 41°23'55.5"N/82°32'56.0"W TO 41°23'52.3"N/82°32'59.5"W NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

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Chart 14846 (Page 1)

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TOLEDO HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2003 AND SURVEYS TO AUG 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
ENTRANCE CHANNEL TO BUOY 49	24.0	26.1	25.9	23.1	8-02	500	18.0	28
MAUMEE MOORING BASIN	24.8	19.5	17.9	18.6	4-02	450	1.40	28
THENCE TO BUOY 62 MAUMEE RIVER CHANNEL	20.0	21.6	22.2	20.3	4-02	400	2.65	27
RIVERSIDE TURNING BASIN	20.3	17.9	14.6	11.8	3-02	350	0.25	20
THENCE TO ANTHONY WAYNE FIXED BRIDGE	22.8	25.5	25.7	23.8	4-02	200	2.51	27
THENCE TO BUOY 67	25.0	25.6	23.6	24.6	4-02	200	1.08	27
TURNING BASIN	24.4	24.4	21.3	17.8	4-02	260-630	.27	27
THENCE TO UPSTREAM LIMIT OF PROJECT	5.9	8.2	9.4	9.3	6-02	200	.47	25
TURNING BASIN	10.8	11.7	12.1	12.2	6-02	835	.16	18
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 14847

NM 43/03

TOLEDO HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2003 AND SURVEYS TO AUG 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
ENTRANCE CHANNEL TO BUOY 49	24.0	26.1	25.9	23.1	8-02	500	18.0	28
MAUMEE MOORING BASIN	24.8	19.5	17.9	18.6	4-02	450	1.40	28
THENCE TO BUOY 62 MAUMEE RIVER CHANNEL	20.0	21.6	22.2	20.3	4-02	400	2.65	27
RIVERSIDE TURNING BASIN	20.3	17.9	14.6	11.8	3-02	350	0.25	20
THENCE TO ANTHONY WAYNE FIXED BRIDGE	22.8	25.5	25.7	23.8	4-02	200	2.51	27
THENCE TO BUOY 67	25.0	25.6	23.6	24.6	4-02	200	1.08	27
TURNING BASIN	24.4	24.4	21.3	17.8	4-02	260-630	.27	27
THENCE TO UPSTREAM LIMIT OF PROJECT	5.9	8.2	9.4	9.3	6-02	200	.47	25
TURNING BASIN	10.8	11.7	12.1	12.2	6-02	835	.16	18
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 14975

NM 43/03

SUPERIOR HARBOR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
SUPERIOR ENTRY	A	A	A	A				
1	28.2	31.7	31.8	B26.7	10-2002	600-1100	.18	31
2	27.7	30.6	31.9	29.1	10-2002	415-1100	.15	30
3	29.7	31.1	29.4	26.8	10-2002	415	.08	29
4	29.0	31.0	27.9	25.6	10-2002	415-430	.08	28
5	25.3	28.8	30.1	24.6	10-2002	430-840	.08	27
SUPERIOR HARBOR BASIN	25.9	23.8	23.5	21.1	8,10-2002	600-2000	1.21	27
ALLOUEZ BAY CHANNEL	20.7	24.1	23.5	23.9	10-2002	400-900	.44	27
SUPERIOR FRONT CHANNEL	24.3	27.3	26.7	25.8	5-2001; 8-2002	600	2.32	27
EAST GATE BASIN (SOUTH)	26.4	27.1	26.5	26.7	5,11-2001; 5-2002	600-3200	.57	27
A. CHANNEL DIVIDED INTO QUARTERS WHEN ENTERING FROM LAKE. B. SHOALING TO 17.2 FT AT 46°42'42.32" N - 92°00'27.46" W.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

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Chart 14975

NM 43/03

DULUTH HARBOR								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
DULUTH ENTRY	A	A	A	A				
1	28.8	32.2	32.8	30.4	5-2001	245-1000	.13	32
2	27.9	33.8	33.4	25.8	5-2001	245	.08	31
3	29.6	32.8	32.5	27.3	5-2001	245	.07	30
4	31.8	31.6	31.4	28.6	5-2001	245	.07	29
5	30.0	31.9	32.6	25.2	5-2001	245-480	.07	28
DULUTH HARBOR BASIN								
NORTHERN SECTION	24.2	24.9	27.1	24.9	4,9-2001	1100-2700	.64	28
SOUTHERN SECTION	24.4	B25.5	25.8	23.3	4,11-2001; 6,11-2002	1200-2700	.91	27
EAST GATE BASIN (NORTH)	26.3	27.2	27.4	23.4	6,11-2001; 6,11-2002	1500-3300	.33	27
WEST GATE BASIN	25.3	28.3	25.5	23.9	9-2002	400-850	.66	27
HOWARDS BAY	22.7	23.5	23.9	21.0	9-2002	100-750	.99	27
NORTH CHANNEL								
EASTERN SECTION	19.8	19.6	22.9	C13.8	7-2000; 9-2002	400	1.66	27
WESTERN SECTION	20.6	21.0	20.9	15.5	10-2001; 10-2002	400	.59	21
21ST AVE WEST CHANNEL	D6.3	D21.1	D21.1	D16.6	6-71;10-91	200	.33	20
SOUTH CHANNEL								
EASTERN SECTION	21.6	23.6	24.6	25.5	9-2002	400-800	.74	27
WESTERN SECTION	22.7	22.9	23.6	22.1	10-2002	400	.83	23
CROSS CHANNEL	20.7	27.6	28.4	19.2	9-2002	1300	.33	27
UPPER CHANNEL	19.0	23.7	21.9	E20.5	10-2002	500	1.00	23
MINNESOTA CHANNEL								
EASTERN SECTION	F20.2	21.9	22.9	G19.4	10-2002	600	.95	23
WESTERN SECTION	7.6	15.3	10.4	H 7.8	10-2000;10-2002	200	2.39	20

A. CHANNEL DIVIDED INTO QUARTERS WHEN ENTERING FROM LAKE.
 B. SHOALING TO 12.0 FT IN THE VICINITY OF WRECK AT 46°45'30.3"N - 92°05'29.7"W.
 C. SHOALING TO UNKNOWN DEPTH BEHIND THE 12 FT CURVE FROM 46°45'02.5"N - 92°06'08.8"W TO 46°45'07.2"N - 92°06'18.6"W
 D. RECENT SURVEYS NOT AVAILABLE FOR 21ST AVE WEST CHANNEL.
 E. SHOALING TO 8.6 FT AT 46°43'54.71"N - 92°08'39.49"W.
 F. SHOALING TO 3.9 FT WITHIN 150 FT FROM 46°43'13.01"N - 92°08'34.57"W.
 G. SHOALING TO 10.3 FT IN THE OUTSIDE HALF OF THE QUARTER FOR THE NORTHERN 900 FT OF THE REACH.
 H. SHOALING TO 2.2 FT IN THE OUTSIDE HALF OF THE QUARTER.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION.

Chart 18652 (Page E)

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SUISUN BAY AND SAN JOAQUIN RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2003								
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	44.3	45.5	47.2		2-03	300	0.8	35
BULLS HEAD CHANNEL	36.4	35.7	34.5		2-03	300-350	1.2	35
EAST BULLS HEAD CHANNEL	33.4	34.2	33.7		2-03	350	1.1	35
PT. EDITH CROSSING RANGE	35.1	34.7	28.2		2-03	350	1.1	35
PRESTON PT. REACH	35.5	35.7	24.4		2-03	350	0.9	35
ROE ISLAND CHANNEL	33.2	35.8	33.0		2-03	350	1.1	35
PORT CHICAGO REACH	38.0	38.0	38.1		2-03	350	0.52	35
MIDDLE GROUND CHANNEL								
WEST REACH	37.4	37.7	36.4		2-03	350	1.29	35
EAST REACH	36.4	38.2	36.8		2-03	350	1.09	35
NEW YORK SLOUGH								
WEST REACH	30.8	33.6	35.7		2-03	400	1.3	35
EAST REACH	33.4	34.2	31.4		2-03; 4-03	400	1.7	35
SAN JOAQUIN RIVER								
ANTIOCH REACH	32.2	32.6	31.3		4-03	400	3.3	35

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

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Chart 18656

NM 43/03

SUISUN BAY							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2003							
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	44.3	45.5	47.2	2-03	300	0.8	35
BULLS HEAD CHANNEL	36.4	35.7	34.5	2-03	300-350	1.2	35
EAST BULLS HEAD CHANNEL	33.4	34.2	33.7	2-03	350	1.1	35
PT. EDITH CROSSING RANGE	35.1	34.7	28.2	2-03	350	1.1	35
PRESTON PT. REACH	35.5	35.7	24.4	2-03	350	0.9	35
ROE ISLAND CHANNEL	33.2	35.8	33.0	2-03	350	1.1	35
PORT CHICAGO REACH	38.0	38.0	38.1	2-03	350	0.52	35
MIDDLE GROUND CHANNEL							
WEST REACH	37.4	37.7	36.4	2-03	350	1.29	35
EAST REACH	36.4	38.2	36.8	2-03	350	1.09	35
NEW YORK SLOUGH							
WEST REACH	30.8	33.6	35.7	2-03	400	1.3	35
EAST REACH	33.4	34.2	31.4	2-03; 4-03	400	1.7	35

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

Chart 18659

NM 43/03

SUISUN BAY							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2003							
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	30.8	33.6	35.7	2-03	400	1.3	35
EAST REACH	33.4	34.2	31.4	2-03; 4-03	400	1.7	35

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

Chart 18660 (Lower Panel)

NM 43/03

SAN JOAQUIN RIVER-STOCKTON DEEP WATER CHANNEL							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2003							
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)
ANTIOCH TO LIGHT 17	32.2	32.6	31.3	4-03	400	3.3	35
LIGHT 17 TO LIGHT 43	A	A	A				
LIGHT 43 TO LIGHT 51	32.1	33.3	32.3	4-03	600	1.5	35
LIGHT 51 TO LIGHT 2	A	A	A				
LIGHT 2 TO LIGHT 6	34.9	35.4	36.3	4-03	225	1.5	35
THENCE TO LIGHT 16	34.7	35.3	33.9	4-03	225-250	2.8	35

A. SEE CHARTED SOUNDINGS.

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

SECTION I

NM 43/03

Chart 18660 (Upper Panel)

NM 43/03

SAN JOAQUIN RIVER-STOCKTON DEEP WATER CHANNEL							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2003							
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)
ANTIOCH TO LIGHT 17	32.2	32.6	31.3	4-03	400	3.3	35
LIGHT 17 TO LIGHT 43	A	A	A				
LIGHT 43 TO LIGHT 51	32.1	33.3	32.3	4-03	600	1.5	35
LIGHT 51 TO LIGHT 2	A	A	A				
LIGHT 2 TO LIGHT 6	34.9	35.4	36.3	4-03	225	1.5	35
THENCE TO LIGHT 16	34.7	35.3	33.9	4-03	225-250	2.8	35
A. SEE CHARTED SOUNDINGS.							
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 18661 (Side A)

NM 43/03

SAN JOAQUIN RIVER-STOCKTON DEEP WATER CHANNEL							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2003							
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)
ANTIOCH TO LIGHT 17	32.2	32.6	31.3	4-03	400	3.3	35
LIGHT 17 TO LIGHT 43	A	A	A				
LIGHT 43 TO LIGHT 51	32.1	33.3	32.3	4-03	600	1.5	35
LIGHT 51 TO LIGHT 2	A	A	A				
LIGHT 2 TO LIGHT 6	34.9	35.4	36.3	4-03	225	1.5	35
THENCE TO LIGHT 16	34.7	35.3	33.9	4-03	225-250	2.8	35
THENCE TO LIGHT 24	31.7	33.0	29.6	4-03	225-250	2.1	35
THENCE TO LIGHT 34	32.0	34.9	33.9	4-03	250	1.5	35
THENCE TO LIGHT 43	33.9	34.2	32.9	4-03	200-250	3.4	35
THENCE TO LIGHT 48	33.6	33.9	31.8	4-03	225-250	1.1	35
THENCE TO TURNING BASIN	33.0	34.0	32.8	4-03	225-250	0.8	35
TURNING BASIN	32.8	32.9	32.8	4-03	225-975	0.3	35
A. SEE CHARTED SOUNDINGS.							
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 18661 (Side B)

NM 43/03

SAN JOAQUIN RIVER-STOCKTON DEEP WATER CHANNEL							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2003							
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)
ANTIOCH TO LIGHT 17	32.2	32.6	31.3	4-03	400	3.3	35
LIGHT 17 TO LIGHT 43	A	A	A				
LIGHT 43 TO LIGHT 51	32.1	33.3	32.3	4-03	600	1.5	35
LIGHT 51 TO LIGHT 2	A	A	A				
LIGHT 2 TO LIGHT 6	34.9	35.4	36.3	4-03	225	1.5	35
THENCE TO LIGHT 16	34.7	35.3	33.9	4-03	225-250	2.8	35
THENCE TO LIGHT 24	31.7	33.0	29.6	4-03	225-250	2.1	35
THENCE TO LIGHT 34	32.0	34.9	33.9	4-03	250	1.5	35
THENCE TO LIGHT 43	33.9	34.2	32.9	4-03	200-250	3.4	35
THENCE TO LIGHT 48	33.6	33.9	31.8	4-03	225-250	1.1	35
THENCE TO TURNING BASIN	33.0	34.0	32.8	4-03	225-250	0.8	35
TURNING BASIN	32.8	32.9	32.8	4-03	225-975	0.3	35
A. SEE CHARTED SOUNDINGS.							
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

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NM 43/03

Chart 18663

NM 43/03

SAN JOAQUIN RIVER-STOCKTON DEEP WATER CHANNEL							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2003							
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)
LIGHT 2 (CHART 18661) TO LIGHT 6	34.9	35.4	36.3	4-03	225	1.5	35
THENCE TO LIGHT 16	34.7	35.3	33.9	4-03	225-250	2.8	35
THENCE TO LIGHT 24	31.7	33.0	29.6	4-03	225-250	2.1	35
THENCE TO LIGHT 34	32.0	34.9	33.9	4-03	250	1.5	35
THENCE TO LIGHT 43	33.9	34.2	32.9	4-03	200-250	3.4	35
THENCE TO LIGHT 48	33.6	33.9	31.8	4-03	225-250	1.1	35
THENCE TO TURNING BASIN	33.0	34.0	32.8	4-03	225-250	0.8	35
TURNING BASIN	32.8	32.9	32.8	4-03	225-975	0.3	35

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

Chart 25673

NM 43/03

MAYAGUEZ HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUNE 2003 AND SURVEYS TO APR 2003								
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)
APPROACH CHANNEL	A22.7	30.8	30.2	A29.1	4-03	1000-500	0.4	30
TERMINAL CHANNEL	B21.8	B21.0	B19.9	B14.9	4-03	500	0.2	30

A. SHOALING ALONG NORTH EDGE OF CHANNEL OPPOSITE RED BUOY-6. SHOALING ALSO ALONG SOUTH EDGE OF CHANNEL FROM 800 FEET SEAWARD OF RED BUOY-6 AND EXTENDING 400 FEET EASTWARD.

B. SHOALING ALONG SOUTH AND EAST PERIMETER OF BASIN, EXTENDING NORTH OF BUOY-10. LEAST DEPTH OCCURRING IN SOUTHEAST CORNER OF BASIN.

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