Chart 97204 NM 19/03

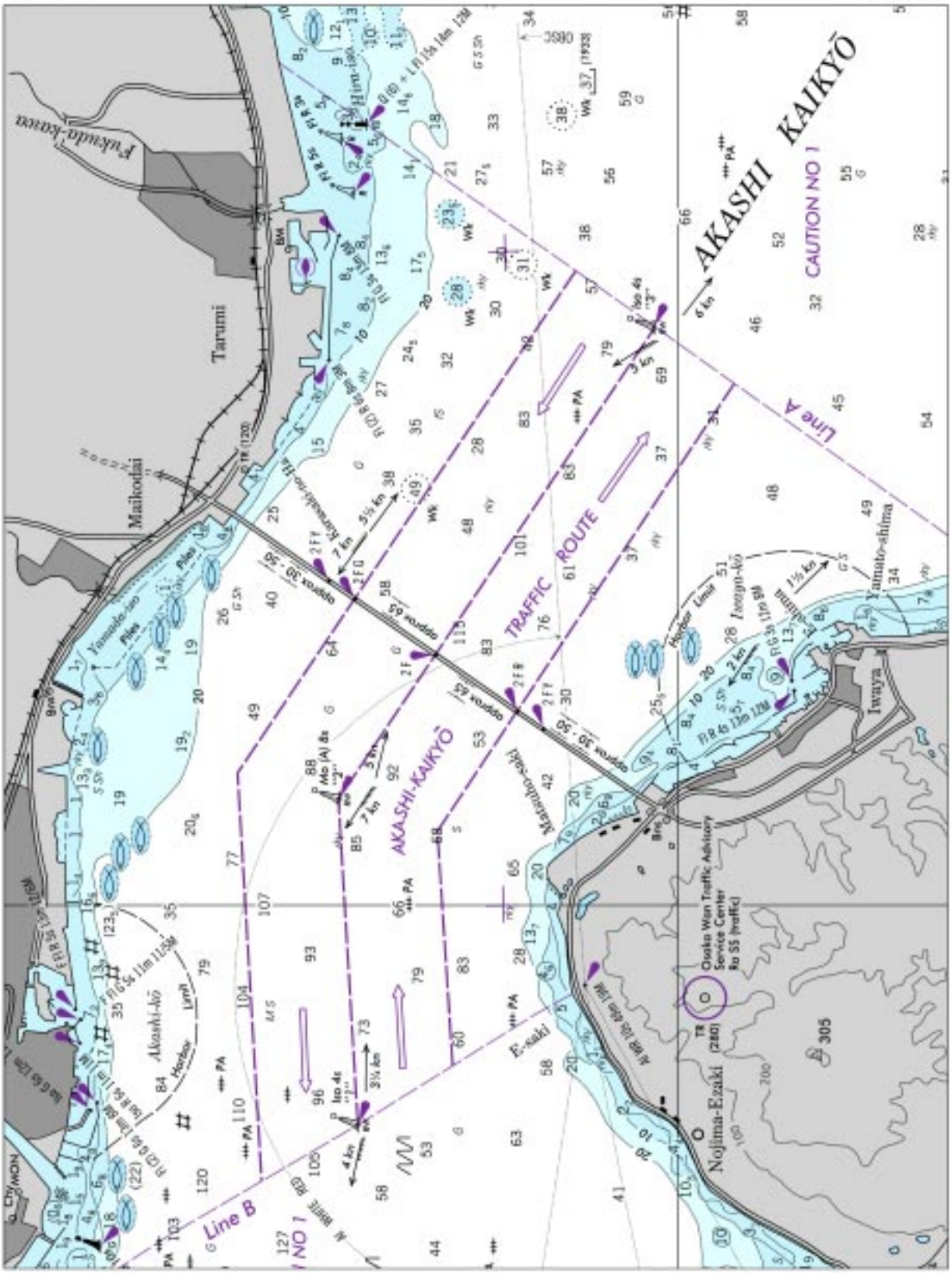

Chart 97221 NM 19/03

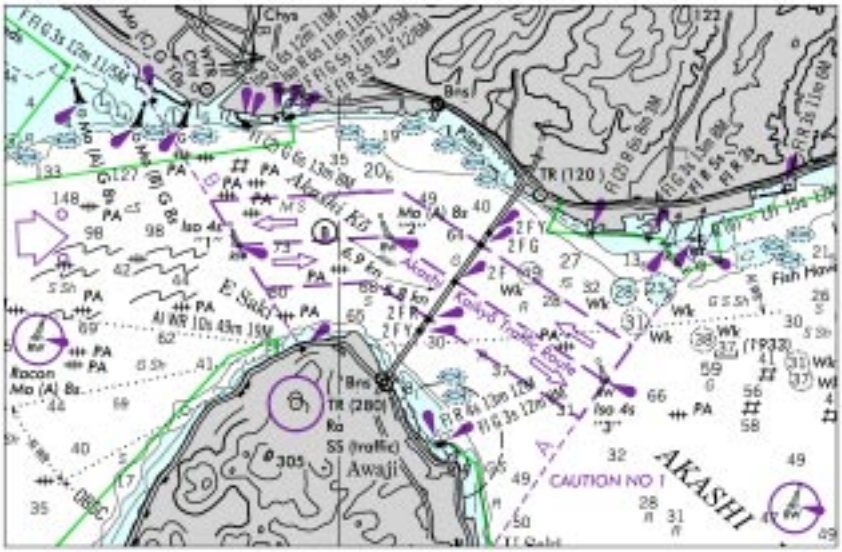

Chart 97225 NM 19/03

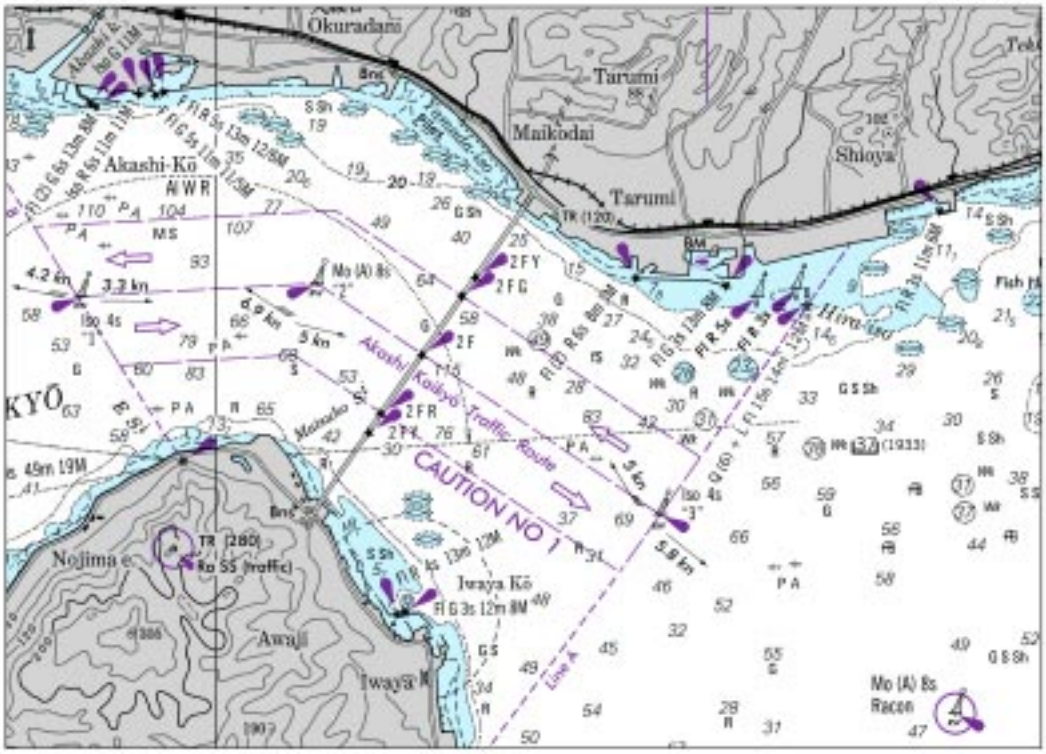

Chart 11478 NM 19/03

PORT CANAVERAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2003 AND SURVEYS OF 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)
OUTER REACH	40.8	42.0	41.7	41.2	11-02	400	5.5	44
MIDDLE REACH	43.3	44.1	43.6	43.5	11-02	400	0.9	44
INNER REACH	37.9	40.8	40.8	38.0	4-02;11-02	400	0.8	40
WEST ACCESS CHANNEL (EAST PORTION)	38.3	40.2	40.6	38.6	8-02	400	0.3	39
WEST ACCESS CHANNEL (WEST PORTION)	30.1	34.0	34.8	34.1	8-02	400	0.3	31

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

Chart 11481 NM 19/03

PORT CANAVERAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2003 AND SURVEYS OF 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)
OUTER REACH	40.8	42.0	41.7	41.2	11-02	400	5.5	44
MIDDLE REACH	43.3	44.1	43.6	43.5	11-02	400	0.9	44
INNER REACH	37.9	40.8	40.8	38.0	4-02;11-02	400	0.8	40
WEST ACCESS CHANNEL (EAST PORTION)	38.3	40.2	40.6	38.6	8-02	400	0.3	39
WEST ACCESS CHANNEL (WEST PORTION)	30.1	34.0	34.8	34.1	8-02	400	0.3	31

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

Chart 11506 NM 19/03

BRUNSWICK HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 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	33.5	A29.0	02-03	500	7.7	32
PLANTATION CREEK RANGE	36.0	39.0	39.5	02-03	400	1.8	32
JEKYLL ISLAND RANGE	29.0	34.0	33.0	02-03	400	1.9	30
CEDAR HAMMOCK RANGE	30.5	31.5	30.0	02-03	400	1.4	30
BRUNSWICK PT CUT RANGE	27.5	29.5	28.0	02-03	400	2.4	30
EAST RIVER							
LOWER REACH	B28.0	29.0	27.0	02-03	400	1.1	30
UPPER REACH	26.0	27.0	26.0	02-03	350	1.0	27
EAST RIVER TURNING BASIN	25.0	25.0	25.0	02-03	750	0.2	30
TURTLE RIVER LOWER RANGE	34.0	31.0	30.0	02-03	300	1.7	30
BLYTHE ISLAND RANGE	31.0	26.5	26.0	02-03	300	1.5	30
TURTLE RIVER UPPER RANGE	28.0	27.5	26.0	02-03	300	1.7	30
SOUTH BRUNSWICK RIVER	31.5	32.0	30.5	02-03	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 28.0 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 11521 NM 19/03

CHARLESTON HARBOR ENTRANCE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2000 AND SURVEYS TO FEB 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	44.9	47.5	47.4	45.6	5-02	1000	14.8	47
MOUNT PLEASANT RANGE	46.0	46.5	45.9	47.2	2-03	1000-600	1.6	45

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

Chart 11523 NM 19/03

CHARLESTON HARBOR ENTRANCE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2000 AND SURVEYS TO FEB 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	44.9	47.5	47.4	45.6	5-02	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

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

Chart 11524 NM 19/03

CHARLESTON HARBOR, COOPER RIVER AND SHIPYARD RIVER

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- REPORT OF NOV 2000 AND SURVEYS TO MAR 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	44.9	47.5	47.4	45.6	5-02	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	1385	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	44.6	47.6	48.2	44.1	1-03	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	47.8	48.1	11-01;1-03	600-900	0.4	45
DANIEL ISLAND REACH	47.0	47.3	45.9	39.5	1-03	880-980	1.2	45
DANIEL ISLAND BEND	48.0	48.4	48.8	48.0	1-03	700-780	0.4	45
CLOUTER CREEK REACH	40.3	42.6	42.8	40.5	1-03	600	0.9	45
NAVY YARD REACH	39.8	42.3	40.9	36.0	1-03	600-700	1.1	45
NORTH CHARLESTON REACH	36.0	42.4	42.6	43.1	1-03	500-600	1.0	45
FILBIN CREEK REACH	39.8	41.3	43.2	43.5	10-02;1-03	500	0.6	45
PORT TERMINAL REACH	36.7	42.6	41.8	41.4	10-02	600	0.7	45
ORDNANCE REACH	37.8	35.8	36.3	36.9	10-02	600	0.3	45
ORDNANCE REACH TURNING BASIN	44.6	43.9	43.1	43.0	10-02	800	0.26	45
WANDO RIVER								
LOWER REACH	44.3	45.6	46.2	38.4	5-02;1-03	1500-400	1.3	45
UPPER REACH	B41.5	B43.0	B47.2	B44.7	1-03	400-850	0.74	45
TURNING BASIN	40.6	38.1	43.3	43.3	1-03	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.
B. FROM BOUY 8 TO END OF REACH SHOALING OCCURS WITH MIN DEPTH OF 31 FT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12273 NM 19/03

BALTIMORE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 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)
CRAIGHILL ENTRANCE	47.5	50.7	50.4	49.2	2-02	700	3.09	50
CRAIGHILL CHANNEL	48.6	49.9	50.1	49.0	3-02	700	2.80	50
CRAIGHILL ANGLE	50.2	49.8	50.5	50.3	10,11-01;1-02	700-1870	1.55	50
CRAIGHILL CHANNEL UPPER RANGE	49.9	51.5	50.8	49.3	4-02	700	2.11	50
CUTOFF ANGLE	47.9	49.6	49.3	47.5	5-02	700-1740	0.86	50
BREWERTON CHANNEL	48.2	50.8	50.5	48.7	6-00;1-01	700	3.06	50
EASTERN EXTENSION	34.9	34.6	32.3	31.9	5-02	600	5.02	35
SWAN POINT CHANNEL	33.5	35.9	35.8	34.3	4-01;8-02	600	1.65	35
TOLCHESTER CHANNEL	A32.9	35.0	35.8	34.8	6-02	600	6.47	35

A. EXCEPT FOR SHOALING TO 30.1 FT AT 39° 12' 35.0" N 76° 15' 17.5" W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12278 NM 19/03

CURTIS BAY AND CREEK CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 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 MLLW (FEET)
CURTIS BAY CHANNEL	48.7	49.9	48.2	11-00	400-1275	1.96	50
CURTIS CREEK							
LOWER REACH	34.4	35.6	35.3	11-00	200	0.54	35
MIDDLE REACH	19.3	20.7	17.6	8-99;7,8,11-00	200-380	1.09	22
UPPER REACH	18.4	17.0	13.5	8-99;8-00	200-100	0.55	22

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

Chart 12278 NM 19/03

BALTIMORE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 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)
CRAIGHILL ENTRANCE	47.5	50.7	50.4	49.2	2-02	700	3.09	50
CRAIGHILL CHANNEL	48.6	49.9	50.1	49.0	3-02	700	2.80	50
CRAIGHILL ANGLE	50.2	49.8	50.5	50.3	10,11-01;1-02	700-1870	1.55	50
CRAIGHILL CHANNEL UPPER RANGE	49.9	51.5	50.8	49.3	4-02	700	2.11	50
CUTOFF ANGLE	47.9	49.6	49.3	47.5	5-02	700-1740	0.86	50
BREWERTON CHANNEL	48.2	50.8	50.5	48.7	6-00;1-01	700	3.06	50
BREWERTON ANGLE	A47.5	50.1	49.4	48.4	10-00;1,2-01	700-1460	0.79	50
FORT MCHENRY CHANNEL	48.4	49.0	47.9	46.3	10-00;8-02	700	3.77	50
CURTIS BAY CHANNEL	48.7	49.9	49.9	48.2	11-00	400-1275	1.96	50
BREWERTON CHANNEL								
EASTERN EXTENSION	34.9	34.6	32.3	31.9	5-02	600	5.02	35
SWAN POINT CHANNEL	33.5	35.9	35.8	34.3	4-01;8-02	600	1.65	35
TOLCHESTER CHANNEL	B32.9	35.0	35.8	34.8	6-02	600	6.47	35

A. EXCEPT FOR SHOALING TO 34.4 FT AT 39° 12' 16.5" N 76° 31' 00.1" W
B. EXCEPT FOR SHOALING TO 30.1 FT AT 39° 12' 35.0" N 76° 15' 17.5" W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12281 NM 19/03

CURTIS BAY AND CREEK CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 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 MLLW (FEET)
CURTIS BAY CHANNEL	48.7	49.9	48.2	11-00	400-1275	1.96	50
CURTIS CREEK							
LOWER REACH	34.4	35.6	35.3	11-00	200	0.54	35
MIDDLE REACH	19.3	20.7	17.6	8-99;7,8,11-00	200-380	1.09	22
UPPER REACH	18.4	17.0	13.5	8-99;8-00	200-100	0.55	22

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

Chart 12281 NM 19/03

BALTIMORE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 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)
BREWERTON CHANNEL	48.2	50.8	50.5	48.7	6-00, 1-01	700	3.06	50
BREWERTON ANGLE	A47.5	50.1	49.4	48.4	10-00, 1,2-01	700-1460	0.79	50
FORT MCHENRY CHANNEL	48.4	49.0	47.9	46.3	10-00, 8-02	700	3.77	50
FERRY BAR CHANNEL								
EAST SECTION	33.2	35.0	36.0	36.4	8-02	600	1.23	42
CURTIS BAY CHANNEL	48.7	49.9	49.9	48.2	11-00	400-1275	1.96	50
NORTHWEST HARBOR								
EAST CHANNEL	42.9	45.8	45.4	44.1	12-00, 8-02	600	0.99	49
EAST CHANNEL TURNING BASIN	45.0	48.0	47.8	45.6	12-00	600-950	0.16	49
WEST CHANNEL	39.0	40.3	40.1	37.2	11,12-00	600	0.57	40
WEST CHANNEL TURNING BASIN	38.2	38.0	37.1	37.0	11-00	600-1068	0.26	40

A. EXCEPT FOR SHOALING TO 34.4 FT AT 39° 12' 16.5" N 76° 31' 00.1" W

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

Chart 12282 NM 19/03

BALTIMORE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 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)
CRAIGHILL ENTRANCE	47.5	50.7	50.4	49.2	2-02	700	3.09	50
CRAIGHILL CHANNEL	48.6	49.9	50.1	49.0	3-02	700	2.80	50

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