



SECTION I

NM 17/14

Chart 11505

NM 17/14

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2013								
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	42.0	43.5	43.5	41.5	9,11-13	600	3.79	44
BLOODY POINT RANGE	40.5	43.0	42.0	40.5	9,11-13	600	3.41	44
JONES ISLAND RANGE	42.5	42.0	43.5	44.5	9,11-13	600	1.33	44
TYBEE KNOLL CUT RANGE	42.0	44.0	42.5	43.0	9,11-13	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 17/14

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2013								
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	42.0	43.5	43.5	41.5	9,11-13	600	3.79	44
BLOODY POINT RANGE	40.5	43.0	42.0	40.5	9,11-13	600	3.41	44
JONES ISLAND RANGE	42.5	42.0	43.5	44.5	9,11-13	600	1.33	44
TYBEE KNOLL CUT RANGE	42.0	44.0	42.5	43.0	9,11-13	500	2.84	42
NEW CHANNEL RANGE (A)	41.5	43.5	43.5	42.5	11-13	500	1.89	42
L. I. CROSSING RANGE	42.0	42.0	43.0	43.0	11-13	500	3.03	42
LOWER FLATS RANGE	42.5	44.0	44.5	41.0	11-13	500	1.52	42
UPPER FLATS RANGE	44.5	46.5	45.0	42.5	11-13	500	1.33	42
THE BIGHT CHANNEL	45.0	47.5	48.0	47.5	11-13	500	1.7	42
FT. JACKSON RANGE	43.5	47.0	45.5	43.0	11-13	500	0.76	42
OGLETHORPE RANGE	40.5	45.5	45.5	42.0	11-13	500	1.33	42
WRECKS CHANNEL (B)	39.5	42.0	45.5	41.5	11-13	500	1.7	42
CITY FRONT CHANNEL	41.0	44.5	43.0G	39.0	11-13	500	1.7	42
MARSH ISLAND CHANNEL (C)	38.5	41.5	43.0	39.0	11-13	500	1.9	42
KINGS ISLAND CHANNEL (D)	41.0	43.5	43.5	40.5I	11-13	500	2.46	42
WHITEHALL CHANNEL (E)	30.0	36.5	37.0	36.5	11-13	400	0.66	42-36
PORT WENTWORTH CHANNEL (F)	30.0J	25.0	23.0	32.0	12-94; 11-13	200	1.33	30

A. OYSTER BED I. TURNING BASIN-CONTROLLING DEPTH 44.0 FT, 40.0 FT 100 FT FROM BACKSIDE.
 B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 37.0 FT, 26.0 FT 100 FT FROM BACKSIDE.
 C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 29.0 FT, 20.0 FT 100 FT FROM BACKSIDE.
 D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 42.0 FT, 42.0 FT 100 FT FROM BACKSIDE.
 E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 27.0 FT 100 FT FROM BACKSIDE.
 F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 20.0 FT, 17.0 FT 100 FT FROM BACKSIDE.
 G. EXCEPT FOR A 41 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'00.06"N 81°05'27.07"W
 H. EXCEPT FOR A 39 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'18.29"N 81°05'58.99"W
 I. EXCEPT FOR A 38 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°07'27.45"N 81°08'02.29"W
 J. EXCEPT FOR A 31 FOOT OBSTRUCTION LOCATED BY A 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 17/14

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2013								
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	40.5	45.5	45.5	42.0	11-13	500	1.33	42
WRECKS CHANNEL (A)	39.5	42.0	45.5	41.5	11-13	500	1.7	42
CITY FRONT CHANNEL	41.0	44.5	43.0F	39.0	11-13	500	1.7	42
MARSH ISLAND CHANNEL (B)	38.5G	41.5	43.0	39.0	11-13	500	1.9	42
KINGS ISLAND CHANNEL (C)	41.0	43.5	43.5	40.5H	11-13	500	2.46	42
WHITEHALL CHANNEL (D)	30.0	36.5	37.0	36.5	11-13	400	0.86	42-36
PORT WENTWORTH CHANNEL (E)	30.0I	25.0	23.0	32.0	12-94; 11-13	200	1.33	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 37.0 FT, 26.0 FT 100 FT FROM BACKSIDE.
 B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 29.0 FT, 20.0 FT 100 FT FROM BACKSIDE.
 C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 42.0 FT, 42.0 FT 100 FT FROM BACKSIDE.
 D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 27.0 FT 100 FT FROM BACKSIDE.
 E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 20.0 FT, 17.0 FT 100 FT FROM BACKSIDE.
 F. EXCEPT FOR A 41 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'00.06"N 81°05'27.07"W
 G. EXCEPT FOR A 39 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'18.29"N 81°05'58.99"W
 H. EXCEPT FOR A 38 FOOT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°07'27.45"N 81°08'02.29"W
 I. EXCEPT FOR A 31 FOOT OBSTRUCTION LOCATED BY A 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 12224

NM 17/14

YORK SPIT AND YORK RIVER ENTRANCE CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2013								
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)
YORK SPIT CHANNEL	39.9	49.7	50.1	44.7	2-13	1000A	18.4	50
YORK RIVER ENTRANCE CHANNEL	36.2	37.9	37.5	36.8	11-11;2-12	750	20.6	37

A. CHANNEL WIDTH MAINTAINED TO 800 FEET.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12245

NM 17/14

NORFOLK HARBOR AND NEWPORT NEWS CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2013								
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)
NORFOLK HARBOR ENTRANCE REACH	50.0	52.4	52.6	51.8	7-10	1000-1440	1.4	50
NORFOLK HARBOR REACH	49.0	49.8	49.6	49.3	2-13	1200	4.1	50
CRANEY ISLAND REACH	46.5	50.3	49.9	46.0	2-13	800	2.6	50
NEWPORT NEWS CHANNEL	47.2	A49.3	49.7	49.4	8-11	800	4.2	55

A. 51 FOOT OBSTRUCTION LOCATED AT 36°57'12.4"N, 76°24'45.1"W.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

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Chart 12253

NM 17/14

ELIZABETH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2013								
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)
CRANEY ISLAND REACH	48.5	50.3	49.9	46.0	2-13	800	2.6	50
LAMBERT BEND	43.0	43.0	43.0	41.6	1-10	750	0.3	45
LAMBERT BEND TO PINNER POINT	42.6	43.0	43.0	40.4	1-10	750	1.0	45
PINNER POINT TO TOWN POINT REACH	37.2	40.0	40.0	38.2	1-10	750	1.0	45
TOWN POINT REACH	37.9	39.0	39.7	37.9	1-10	750	0.6	45
SOUTHERN BRANCH:								
LOWER REACH	37.7	39.2	39.4	35.9	1-10	450-800	1.7	45
MIDDLE REACH	33.5	39.7	40.0	34.4	1-10	375	0.9	45

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

Chart 12253

NM 17/14

ELIZABETH RIVER EASTERN BRANCH CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 2012								
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)	
TOWN POINT REACH TO NS RY BASCULE BRIDGE	21.1	24.9	22.7	10-12	500	1.2	25	
NS RY BASCULE BRIDGE TO CAMPOSTELLA BRIDGE	22.6	26.1	23.7	10-12	300	0.5	25	
CAMPOSTELLA BRIDGE TO NS RY SWING BRIDGE	17.8	14.9	12.2	10-12	200	1.2	25	
TURNING BASIN		A12.1		10-12	300-500	0.1	25	

A. DEPTH REPORTED IS FOR THE ENTIRE BASIN.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12273

NM 17/14

BALTIMORE HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2013								
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)
CRAIGHILL ENTRANCE	45.0	50.0	51.0	46.0	6-13	700	3.79	50
CRAIGHILL CHANNEL	46.0	51.0	51.0	45.0	8-13	700	3.24	50
CRAIGHILL ANGLE	46.0	47.0	49.0	47.0	8-13	700-1870	1.88	50
CRAIGHILL CHANNEL UPPER RANGE	48.0	51.0	52.0	50.0	8-13	700	2.00	50
CUTOFF ANGLE	50.0	49.0	51.0	50.0	7-13	700-1740	1.14	50
BREWERTON CHANNEL	47.0	52.0	51.0	47.0	4-13	700	3.50	50
EASTERN EXTENSION	36.0	36.0	36.0	35.0	2,3-12	600	6.33	35
SWAN POINT CHANNEL	35.0	34.0	34.0	35.0	12-12	600	3.13	35
TOLCHESTER CHANNEL	31.0	35.0	35.0	34.0	5-12	450-600	10.87 **	35

* ALL DEPTHS REPORTED TO NEAREST FOOT
** THE LAST 1.88 NM OVERLAPS WITH THE CHESAPEAKE AND DELAWARE CANAL CHANNEL
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 17/14

Chart 12278

NM 17/14

BALTIMORE HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2013								
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)
CRAIGHILL ENTRANCE	45.0	50.0	51.0	46.0	6-13	700	3.79	50
CRAIGHILL CHANNEL	46.0	51.0	51.0	45.0	8-13	700	3.24	50
CRAIGHILL ANGLE	46.0	47.0	49.0	47.0	8-13	700-1870	1.88	50
CRAIGHILL CHANNEL UPPER RANGE	48.0	51.0	52.0	50.0	8-13	700	2.00	50
CUTOFF ANGLE	50.0	49.0	51.0	50.0	7-13	700-1740	1.14	50
BREWERTON CHANNEL	47.0	52.0	51.0	47.0	4-13	700	3.50	50
BREWERTON ANGLE	51.0	51.0	51.0	51.0	11-12	700-1460	1.10	50
FORT MCHENRY CHANNEL	46.0	50.0	50.0	49.0	3,4-13	700	4.22	50
CURTIS BAY CHANNEL	45.0	47.0	47.0	48.0	7-13	400-1275	2.25	50
BREWERTON CHANNEL EASTERN EXTENSION	36.0	36.0	36.0	35.0	2,3-12	600	6.33	35
SWAN POINT CHANNEL	35.0	34.0	34.0	35.0	12-12	600	3.13	35
TOLCHESTER CHANNEL	31.0	35.0	35.0	34.0	5-12	450-600	10.87 **	35

* ALL DEPTHS REPORTED TO NEAREST FOOT
 ** THE LAST 1.88 NM OVERLAPS WITH THE CHESAPEAKE AND DELAWARE CANAL CHANNEL
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12281

NM 17/14

BALTIMORE HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2013								
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)
BREWERTON CHANNEL	47.0	52.0	51.0	47.0	4-13	700	3.50	50
BREWERTON ANGLE	51.0	51.0	51.0	51.0	11-12	700-1460	1.10	50
FORT MCHENRY CHANNEL	46.0	50.0	50.0	49.0	3,4-13	700	4.22	50
FERRY BAR CHANNEL	36.0	39.0	42.0	41.0	6-13	600	1.50	42
CURTIS BAY CHANNEL	45.0	47.0	47.0	48.0	7-13	400-1275	2.25	50
NORTHWEST HARBOR EAST CHANNEL	42.0	45.0	48.0	45.0	12-13	600-950	1.52	49
WEST CHANNEL	40.0	40.0	37.0	38.0	2-13	600-1068	1.38	40

* ALL DEPTHS REPORTED TO NEAREST FOOT
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12282

NM 17/14

BALTIMORE HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2013								
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)
CRAIGHILL ENTRANCE	45.0	50.0	51.0	46.0	6-13	700	3.79	50
CRAIGHILL CHANNEL	46.0	51.0	51.0	45.0	8-13	700	3.24	50

* ALL DEPTHS REPORTED TO NEAREST FOOT
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 17/14

Chart 12304

NM 17/14

DELAWARE RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2013 AND SURVEYS TO SEP 2013								
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)
BRANDYWINE RANGE	39.8	41.3	40.4	40.0	10-12	1000	10.94	40
MAH MAULL RANGE	42.1	40.5	39.4	38.2	10-12	1000	7.02	40
ELBOW OF CROSS LEDGE RANGE	39.9	43.2	42.0	41.3	11-12	1000	3.39	40
LISTON RANGE (BELOW SHIP JOHN LIGHT)	42.4	41.7	41.9	40.9	12-12	1000	5.57	40
LISTON RANGE (ABOVE SHIP JOHN LIGHT)	41.0	42.0	41.0	41.0	9-13	1000-800	12.42	40

A. 40 FOOT OBSTRUCTION LOCATED AT 39°04'29.76"N, 75°10'49.48"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12312

NM 17/14

DELAWARE RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2013 AND SURVEYS TO SEP 2013								
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)
CHERRY ISLAND RANGE	39.0	40.0	40.0	39.0	7-13	800	4.33	40
BELLEVUE RANGE	40.0	42.0	43.0	42.0	9-13	800	3.05	40
MARCUS HOOK RANGE	36.0	40.0	41.0	41.0	6-13	800	4.25	40
CHESTER RANGE	37.9	40.7	40.4	41.0	10-12	800	1.82	40
EDDYSTONE RANGE	40.1	41.4	41.8	40.1	10-12	800	1.08	40
TINICUM RANGE	37.0	41.0	40.0	38.0	6-13	800	3.03	40
BILLINGSPOUR RANGE	43.0	44.5	44.7	39.5	2-13	800	1.15	40
MIFFLIN RANGE	40.8	44.4	43.2	42.8	10-12	800	2.83	40
EAGLE POINT RANGE	39.4	41.4	42.5	39.5	10-12	800	1.74	40
HORSESHOE BEND	41.7	43.9	44.3	39.7	11-12	800-500	0.80	40
EAST HORSESHOE RANGE AND REACH M	41.2	43.2	43.9	44.0	1-13	500-400	1.19	40
REACH M TO BENJAMIN FRANKLIN BRIDGE	19.4	30.8	38.2	37.0	1-13	400	2.95	40
BENJAMIN FRANKLIN BRIDGE TO CAMBRIA ST	29.5	39.7	40.3	38.8	12-12	400	2.00	40
CAMBRIA ST TO ALLEGHENY AVE	38.4	40.1	40.2	36.3	12-12	400	0.42	40
HARBOR RANGE	40.0	40.3	40.0	39.4	4-13	400	0.70	40
FISHER CHANNEL	40.1	42.9	43.9	42.0	4-13	400	0.31	40
DRAW CHANNEL	34.7	43.5	43.6	38.2	4-13	400	0.74	40

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