Chart 12327 NM 4/16

KILL VAN KULL, NEWARK BAY AND ARTHUR KILL CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2015
AND SURVEYS TO MAR 2015

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)
KILL VAN KULL (A)								
CONSTABLE HOOK REACH	51.6	52.1	52.2	51.9	3-15	2000-800	2.52	50
BERGEN POINT EAST REACH	50.9	51.8	50.9	50.3	3-15	800-895	0.96	50
BERGEN POINT WEST REACH	51.8	52.0	51.9	51.8	3-15	800-1150	1.17	50
NEWARK BAY								
SOUTH REACH	50.3	50.7	51.0	47.9	3-15	1000-3440	1.31	50
MIDDLE REACH (SOUTH)	47.3	47.5	47.5	47.7	3-15	1700-800	0.88	50
MIDDLE REACH (NORTH)	36.0	37.7	32.8	25.7	8,9-14	800-565	0.53	40
NORTH REACH	21.5	21.4	18.9	6.0	8,9-14	500-1030	1.37	35
PORT ELIZABETH BRANCH REACH	47.2	49.8	50.7	50.5	2-15	750-500	1.27	50
PORT NEWARK BRANCH REACH	26.4	37.4	35.2	29.5	6-11	1790-400	0.37	40
PORT NEWARK INSHORE REACH	33.0	31.7	30.7	30.6	6-11	400	1.06	40
ARTHUR KILL (A)								
NORTH OF SHOOTERS ISLAND REACH	51.2	51.4	51.4	50.9	11-14	1105-515	1.07	50
ELIZABETHPORT REACH	51.1	51.5	51.9	51.3	11-14	705-500	0.92	50
SOUTH OF SHOOTERS ISLAND REACH	C10.1	C14.5	C13.8	C6.5	11-04	400	0.94	30
ARTHUR KILL (B)								
OUTERBRIDGE REACH	30.9	35.1	36.0	33.1	2,3-14	600-840	1.60	35
PORT SOCONY REACH	33.0	34.7	34.6	32.0	2,3-14	600-800	0.87	35
PORT READING REACH	24.2	33.7	34.3	27.3	2,3-14	500-850	1.80	35
FRESH KILLS REACH	29.0	34.4	35.0	33.2	2,3-14	500	1.65	35
TREMLEY POINT REACH	30.3	36.7	35.6	35.0	2,3-14	500	0.85	35
PRALLS ISLAND REACH	31.9	34.2	36.4	29.3	2,3-14	500	1.13	35
GULFPORT REACH	31.1	36.1	36.1	28.6	2,3-14	500-600	1.03	35

A. CONTROLLING DEPTHS ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM UPPER BAY.
B. CONTROLLING DEPTHS ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM LOWER BAY.
C. NUMEROUS WRECKS AND OBSTRUCTIONS WITH MINIMUM DEPTH TO 4 FEET WITHIN CHANNEL LIMITS.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12327 NM 4/16

LOWER BAY, RARITAN BAY AND RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2015
AND SURVEYS TO APR 2015

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)
LOWER BAY								
AMBROSE CHANNEL REACH A	53.0	54.8	54.1	51.6	4,5-14	2000	5.1	53
AMBROSE CHANNEL REACH B	54.5	53.6	53.6	46.8	4,5-14	2000	4.2	53
AMBROSE CHANNEL REACH C	52.5	53.3	54.4	51.0	4,5-14	2000	2.6	53
AMBROSE CHANNEL REACH D	50.9	54.2	54.9	54.0	4,5-14	2000	2.9	53
SANDY HOOK CHANNEL (EAST)	33.0	36.8	37.8	32.6	8,9-14	800-2160	4.5	35
SANDY HOOK CHANNEL (BAYSIDE)	27.0	38.6	36.8	31.2	8,9-14;3-15	800	2.4	35
TERMINAL CHANNEL (NAVY)	45.0	45.0	45.0	45.0	9-09	400-1050	0.8	A45
TURNING BASIN (NAVY)	45.0	45.0	45.0	45.0	9-09	400-2300	0.6	A45
CHAPEL HILL SOUTH CHANNEL (B)	30.1	30.2	31.0	21.4	10,11-14	1000	2.6	30
CHAPEL HILL NORTH CHANNEL (B)	21.0	28.5	26.4	27.0	10,11-14	1000	2.2	30
RARITAN BAY								
EAST REACH	32.9	39.1	37.9	33.6	4-13	600-800	3.9	35
WEST REACH	31.3	39.9	40.5	31.5	4-13	600	2.4	35
SEGUINE POINT BEND	28.9	34.3	35.7	18.6	4,5-12;4-13	600-1000	1.2	35
RED BANK REACH	33.2	40.9	40.8	32.9	4,5-12	600	1.2	35
WARD POINT BEND (EAST)	30.5	39.6	35.7	29.9	2-14	600-800	1.1	35
WARD POINT BEND (WEST)	33.4	35.4	34.3	33.6	2-14	600-800	1.3	35
WARD POINT SECONDARY CHANNEL	19.3	19.3	19.2	19.0	4,5-13	400	0.8	30
RARITAN RIVER CUTOFF (C)	19.3	20.4	20.1	19.8	3,4-15	600-1740	1.0	20
RARITAN RIVER								
GREAT BEDS REACH (D)	13.1	17.2	17.2	17.9	12-13;1,2-14	300	0.8	25
SOUTH AMBOY REACH (D)	14.8	17.2	17.2	14.6	12-13;1,2-14	300	1.2	25

A. THE PROJECT DEPTH IN THE TERMINAL CHANNEL AND TURNING BASIN IS 45 FEET, EXCEPT AROUND PIERS 2 AND 3 WHERE THE PROJECT DEPTH IS 35 FEET. DEPTHS SHOALER THAN PROJECT DEPTH ARE CHARTED IN CHANNELS.
B. SPORADIC SHOAL OBSTRUCTIONS EXIST WITHIN THE CHANNEL BUT ARE NOT CHARTED. CONSULT THE CORPS OF ENGINEERS FOR LOCATION OF OBSTRUCTIONS.
C. CONTROLLING DEPTHS ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM RARITAN RIVER.
D. THE CORPS OF ENGINEERS REPORTS MIDDLE HALF OF CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12331 NM 4/16

RARITAN BAY, ARTHUR KILL AND RARITAN RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2015
AND SURVEYS TO ARP 2015

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)
RARITAN BAY								
EAST REACH	32.9	39.1	37.9	33.6	4-13	600-800	3.9	35
WEST REACH	31.3	39.9	40.5	31.5	4-13	600	2.4	35
SEGUINE POINT BEND	28.9	34.3	35.7	18.6	4,5-12;4-13	600-1000	1.20	35
RED BANK REACH	33.2	40.9	40.8	32.9	4,5-12	600	1.23	35
WARD POINT BEND (EAST)	30.5	39.6	35.7	29.9	2-14	600-800	1.13	35
WARD POINT BEND (WEST)	33.4	35.4	34.3	33.6	2-14	600-800	1.35	35
WARD POINT SECONDARY CHANNEL	19.3	19.3	19.2	19.0	4,5-13	400	0.83	30
RARITAN RIVER CUTOFF (A)	19.3	20.4	20.1	19.8	3,4-15	600-1740	1.0	20
ARTHUR KILL								
OUTERBRIDGE REACH	30.9	35.1	36.0	33.1	2,3-14	600-840	1.60	35
PORT SOCONY REACH	33.0	34.7	34.6	32.0	2,3-14	600-800	0.87	35
PORT READING REACH	24.2	33.7	34.3	27.3	2,3-14	500-850	1.8	35
FRESH KILLS REACH	29.0	34.4	35.0	33.2	2,3-14	500	1.65	35
RARITAN RIVER:								
GREAT BEDS REACH (B)	13.1	17.2	17.2	17.9	12-13; 1,2-14	300	0.76	25
SOUTH AMBOY REACH (B)	14.8	17.2	17.2	14.6	12-13; 1,2-14	300	1.2	25

A. CONTROLLING DEPTHS ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM RARITAN RIVER.
B. THE CORPS OF ENGINEERS REPORTS MIDDLE HALF OF CHANNEL.

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

Chart 12332 NM 4/16

RARITAN BAY AND ARTHUR KILL CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2015
AND SURVEYS TO APR 2015

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)
RARITAN BAY:								
WARD POINT BEND (EAST)	30.5	39.6	35.7	29.9	2-14	600-800	1.13	35
WARD POINT BEND (WEST)	33.4	35.4	34.3	33.6	2-14	600-800	1.35	35
WARD POINT SECONDARY CHANNEL	19.3	19.3	19.2	19.0	4,5-13	400	0.83	30
RARITAN RIVER CUTOFF (A)	19.3	20.4	20.1	19.8	3,4-15	600-1740	1.0	20
AUTHUR KILL:								
OUTERBRIDGE REACH	30.9	35.1	36.0	33.1	2,3-14	600-840	1.60	35

A. CONTROLLING DEPTHS ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM RARITAN RIVER.

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

Chart 12333 NM 4/16

KILL VAN KULL, NEWARK BAY AND ARTHUR KILL CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2015
AND SURVEYS TO MAR 2015

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)
KILL VAN KULL (A)								
CONSTABLE HOOK REACH	51.6	52.1	52.2	51.9	3-15	2000-800	2.52	50
BERGEN POINT EAST REACH	50.9	51.8	50.9	50.3	3-15	800-895	0.96	50
BERGEN POINT WEST REACH	51.8	52.0	51.9	51.8	3-15	800-1150	1.17	50
NEWARK BAY								
SOUTH REACH	50.3	50.7	51.0	47.9	3-15	1000-3440	1.31	50
MIDDLE REACH (SOUTH)	47.3	47.5	47.5	47.7	3-15	1700-800	0.88	50
MIDDLE REACH (NORTH)	36.0	37.7	32.8	25.7	8,9-14	800-565	0.53	40
NORTH REACH	21.5	21.4	18.9	6.0	8,9-14	500-1030	1.37	35
PORT ELIZABETH BRANCH REACH	47.2	49.8	50.7	50.5	2-15	750-500	1.27	50
PORT NEWARK BRANCH REACH	26.4	37.4	35.2	29.5	6-11	1790-400	0.37	40
ARTHUR KILL (A)								
NORTH OF SHOOTERS ISLAND REACH	51.2	51.4	51.4	50.9	11-14	1105-515	1.07	50
ELIZABETHPORT REACH	51.1	51.5	51.9	51.3	11-14	705-500	0.92	50
SOUTH OF SHOOTERS ISLAND REACH	C10.1	C14.5	C13.8	C6.5	11-04	400	0.94	30
ARTHUR KILL (B)								
FRESH KILLS REACH	29.0	34.4	35.0	33.2	2,3-14	500	1.65	35
TREMLEY POINT REACH	30.3	36.7	35.6	35.0	2,3-14	500	0.85	35
PRALLS ISLAND REACH	31.9	34.2	36.4	29.3	2,3-14	500	1.13	35
GULFPORT REACH	31.1	36.1	36.1	28.6	2,3-14	500-600	1.03	35

A. CONTROLLING DEPTHS ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM UPPER BAY.
B. CONTROLLING DEPTHS ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM LOWER BAY.
C. NUMEROUS WRECKS AND OBSTRUCTIONS WITH MINIMUM DEPTH TO 4 FEET WITHIN CHANNEL LIMITS.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 94033 NM 4/16

NOTE

The Traffic Separation Scheme(s) on this chart is adopted by the International Maritime Organization (IMO). All oil tankers 150 gross tonnage and above, all vessels carrying dangerous, hazardous cargo, vessels of LOA more than 200 meters, or mean draft more than 12 meters, and high speed vessels which are transiting the area of Chengshan Jiao Promontory are recommended to sail in the traffic lanes of the Outer Traffic Separation Schemes.

Chart 94440 NM N4/16

TRAFFIC SEPARATION SCHEME

The Traffic Separation Scheme(s) on this chart is adopted by the International Maritime Organization (IMO). All oil tankers 150 gross tonnage and above, all vessels carrying dangerous, hazardous cargo, vessels of LOA more than 200 meters, or mean draft more than 12 meters, and high speed vessels which are transiting the area of Chengshan Jiao Promontory are recommended to sail in the traffic lanes of the Outer Traffic Separation Schemes.