CHART 97185 NM 44/99

CAUTIONS

1. Depths of up to 0.8 meter less than charted may exist in the area.
2. Depths of up to 1.2 meters less than charted may exist in the area.
3. Depths of up to 1.3 meters less than charted may exist in the area.
4. Depths of up to 2 meters less than charted may exist in the area.

CHART 12034 NM 44/99

DELAWARE RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEPT 1999

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	35.9	38.3	40.0	38.6	6-99	1000	10.94	40
MIAH MAULL RANGE	40.1	42.4	42.4	40.4	6-99	1000	7.02	40
CROSS LEDGE RANGE	40.1	42.4	42.4	40.4	5-99	1000	3.39	40
LISTON RANGE (BELOW SHIP JOHN LIGHT)	40.6	40.6	41.3	39.0	5-99	1000	5.57	40
LISTON RANGE (ABOVE SHIP JOHN LIGHT)	40.2	40.3	40.5	39.6	5-99	1000-800	12.42	40

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

CHART 12311 NM 44/99

DELAWARE RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEPT 1999

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)
LISTON RANGE (ABOVE SHIP JOHN LIGHT)	40.2	40.3	40.5	39.6	5-99	1000-800	12.42	40
BAKER RANGE	44.1	44.3	42.1	38.2	3-99	800	1.65	40
REEDY ISLAND RANGE	38.1	39.5	40.0	36.6	3-99	800	4.28	40
NEW CASTLE RANGE	34.3	38.3	41.7	37.2	8-99	800	4.34	40
BULKHEAD BAR RANGE	43.7	45.1	42.5	35.4	5-99	1600	0.56	40
DEEPWATER PT. RANGE	37.9	41.7	42.2	37.7	8-99	800	3.76	40
CHERRY ISLAND RANGE	41.4	41.7	41.6	40.4	2-99	800	4.33	40
BELLEVUE RANGE	37.5	42.2	42.4	41.6	4-99	800	3.05	40

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

CHART 12312 NM 44/99

DELAWARE RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEPT 1999

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	41.4	41.7	41.6	40.4	2-99	800	4.33	40
BELLEVUE RANGE	37.5	42.2	42.4	41.6	4-99	800	3.05	40
MARCUS HOOK RANGE	31.9	35.2	37.9	40.7	8-99	800	4.25	40
CHESTER RANGE	38.6	40.6	40.6	39.8	3-99	800	1.82	40
EDDYSTONE RANGE	40.4	40.9	42.8	41.5	7-98	800	1.08	40
TINICUM RANGE	37.7	39.9	39.6	38.3	3-99	800	3.03	40
BILLINGSPORT RANGE	40.0	41.1	42.1	36.4	2-99	800	1.15	40
MIFFLIN RANGE	39.0	39.9	41.2	40.3	10-98	800	2.83	40
EAGLE POINT RANGE (NAVY YARD)	41.0	41.5	41.5	41.8	5-99	800	1.74	40
HORSESHOE BEND	38.6	44.6	44.5	43.2	5-99	800-500	0.80	40
HORSESHOE RANGE AND REACH M	38.5	41.0	43.7	45.5	5-99	500-400	1.17	40
REACH M TO BENJAMIN FRANKLIN BRIDGE	19.9	30.1	40.4	38.5	7-99	400	2.95	40
BENJAMIN FRANKLIN BRIDGE TO CAMBRIA ST.	40.2	42.0	40.6	41.1	12-98	400	2.00	40
CAMBRIA ST. TO ALLEGHENY AVE.	39.8	39.8	40.5	39.4	12-98	400	0.42	40
FISHER POINT RANGE	40.5	40.5	41.8	40.3	12-98	400	0.70	40
FISHER CHANNEL	42.3	42.3	43.6	41.5	12-98	400	0.31	40
DRAW CHANNEL	42.0	44.3	43.8	43.5	12-98	400	0.74	40

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

CHART 12313 NM 44/99

DELAWARE RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEPT 1999

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)
TINICUM RANGE	37.7	39.9	39.6	38.3	3-99	800	3.03	40
BILLINGSPORT RANGE	40.0	41.1	42.1	36.4	2-99	800	1.15	40
MIFFLIN RANGE	39.0	39.9	41.2	40.3	10-98	800	2.83	40
EAGLE POINT RANGE (NAVY YARD)	41.0	41.5	41.5	41.8	5-99	800	1.74	40
HORSESHOE BEND	38.6	44.6	44.5	43.2	5-99	800-500	0.80	40
HORSESHOE RANGE AND REACH M	38.5	41.0	43.7	45.5	5-99	500-400	1.17	40
REACH M TO BENJAMIN FRANKLIN BRIDGE	19.9	30.1	40.4	38.5	7-99	400	2.95	40
BENJAMIN FRANKLIN BRIDGE TO CAMBRIA ST.	40.2	42.0	40.6	41.1	12-98	400	2.00	40
CAMBRIA ST. TO ALLEGHENY AVE.	39.8	39.8	40.5	39.4	12-98	400	0.42	40
FISHER POINT RANGE	40.5	40.5	41.8	40.3	12-98	400	0.70	40
FISHER CHANNEL	42.3	42.3	43.6	41.5	12-98	400	0.31	40

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