Chart 51146 NM 45/09

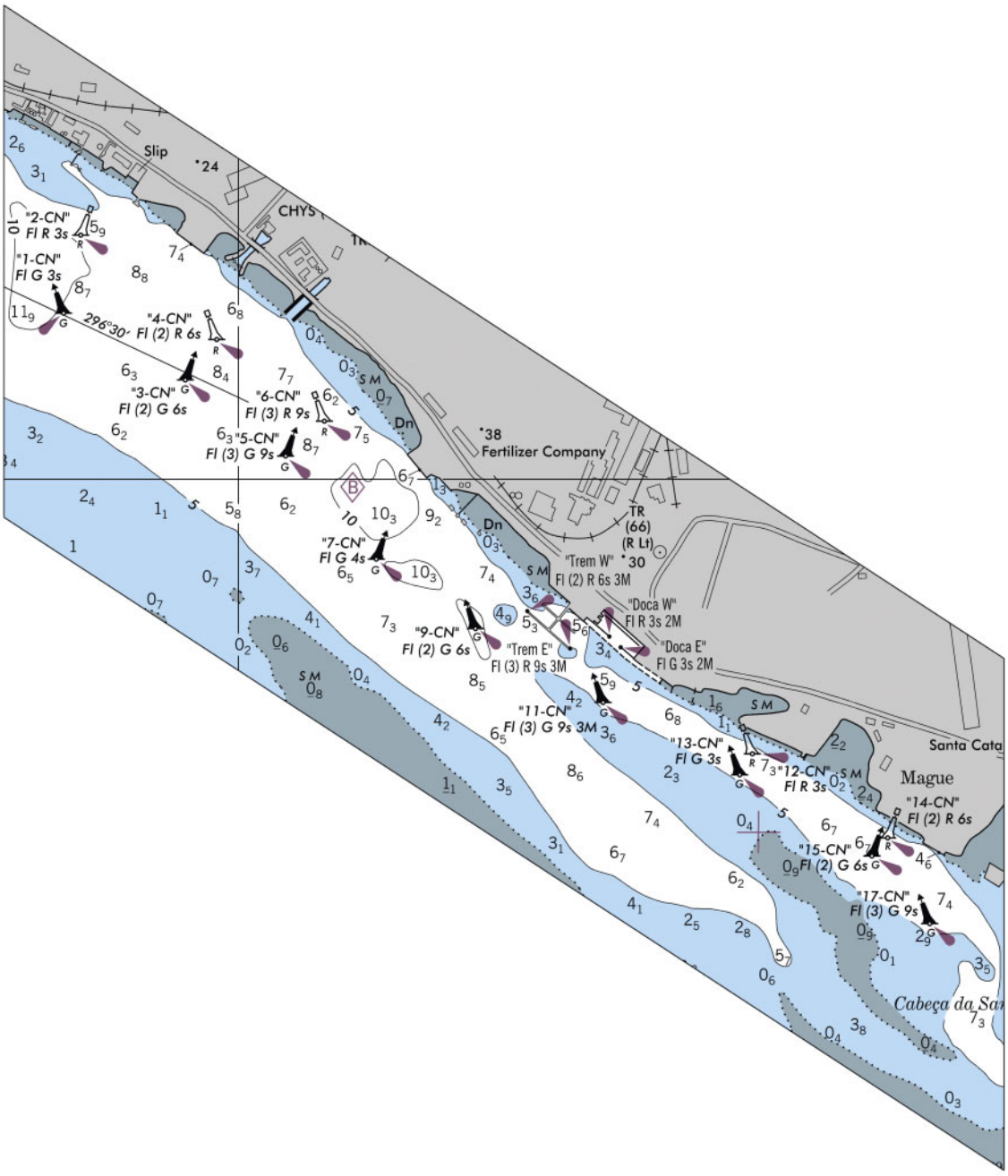

Chart 11299 NM N45/09

CORPUS CHRISTI CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ARANSAS PASS: SEA BAR CHANNEL	45.1	46.5	46.6	43.9	5-09	700-600	2.42	47
JETTY CHANNEL TO CLINE POINT	50.6	44.1	44.7	44.7	7-09	600	1.11	47-45
INNER BASIN AT HARBOR ISLAND	51.6	57.0	56.7	52.9	5-09	600-1559	0.5	45
INNER BASIN AT MAIN CHANNEL:								
HUMBLE OIL CO. BASIN	38.8	45.5	40.4	39.2	5-09	600	0.5	45

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

Chart 11305 NM N45/09

CORPUS CHRISTI CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
HUMBLE OIL CO. BASIN								
TO CORPUS CHRISTI	37.9	44.8	44.7	40.3	5,6,7-09	600-300	17.9	45
CHANNEL TO LA QUINTA	42.5	44.1	43.5	39.4	12-08	300-400	4.7	45
TURNING BASIN	44.0	40.4	44.0	44.2	12-08	1200	.30	45

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

Chart 11309 NM 45/09

CORPUS CHRISTI CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ARANSAS PASS: SEA BAR CHANNEL	45.1	46.5	46.6	43.9	5-09	700-600	2.42	47
JETTY CHANNEL TO CLINE POINT	50.6	44.1	44.7	44.7	7-09	600	1.11	47-45
INNER BASIN AT HARBOR ISLAND	51.6	57.0	56.7	52.9	5-09	600-1559	0.5	45
INNER BASIN AT MAIN CHANNEL:								
HUMBLE OIL CO. BASIN	38.8	45.5	40.4	39.2	5-09	600	0.5	45
THENCE TO CORPUS CHRISTI	37.9	44.8	44.7	40.3	5,6,7-09	600-300	17.9	45
CHANNEL TO LA QUINTA	42.5	44.1	43.5	39.4	12-08	300-400	4.7	45
TURNING BASIN	44.0	40.4	44.0	44.2	12-08	1200	.30	45

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

Chart 11310 NM N45/09

CORPUS CHRISTI CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
JETTY CHANNEL TO CLINE POINT	50.6	44.1	44.7	44.7	7-09	600	1.11	47-45
INNER BASIN AT HARBOR ISLAND	51.6	57.0	56.7	52.9	5-09	600-1559	0.5	45
INNER BASIN AT MAIN CHANNEL:								
HUMBLE OIL CO. BASIN	38.8	45.5	40.4	39.2	5-09	600	0.5	45
THENCE TO CORPUS CHRISTI	37.9	44.8	44.7	40.3	5,6,7-09	600-300	17.9	45

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

Chart 11311 NM 45/09

CORPUS CHRISTI CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

	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)
WEST END OF HUMBLE OIL CO.								
BASIN TO CORPUS CHRISTI	37.9	44.8	44.7	40.3	5,6,7-09	600-300	17.9	45
CORPUS CHRISTI:								
TURNING BASIN	40.4	44.8	45.4	38.9	3-09	300-800	1.1	45
INDUSTRIAL CANAL	39.4	45.8	48.1	42.3	3-09	400	0.5	45
AVERY POINT								
TURNING BASIN	41.0	43.5	44.9	40.9	3-09	400-975	0.4	45
CHEMICAL TURNING BASIN	44.4	47.2	45.5	42.2	3-09	400-1200	0.4	45
TULE LAKE CHANNEL	31.4	45.3	45.5	42.2	3-09	200-400	3.3	45
TULE LAKE TURNING BASIN	44.8	46.4	45.8	42.0	7-08	1200-300	0.4	45
CHANNEL TO VIOLA	45.5	47.0	45.4	32.7	7-08	300-200	1.5	45
VIOLA TURNING BASIN	44.8	47.0	46.2	15.4	7-08	700-900	0.3	45

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

Chart 11312 NM 45/09

CORPUS CHRISTI CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

	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)
ARANSAS PASS: SEA BAR CHANNEL	45.1	46.5	46.6	43.9	5-09	700-600	2.42	47
JETTY CHANNEL TO CLINE POINT	50.6	44.1	44.7	44.7	7-09	600	1.11	47-45
INNER BASIN AT HARBOR ISLAND	51.6	57.0	56.7	52.9	5-09	600-1559	0.5	45
INNER BASIN AT MAIN CHANNEL:								
HUMBLE OIL CO. BASIN	38.8	45.5	40.4	39.2	5-09	600	0.5	45
THENCE TO CORPUS CHRISTI	37.9	44.8	44.7	40.3	5,6,7-09	600-300	17.9	45
CHANNEL TO LA QUINTA	42.5	44.1	43.5	39.4	12-08	300-400	4.7	45

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

Chart 11316 NM 45/09

MATAGORDA SHIP CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

	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)
SEA BAR AND JETTY CHANNEL	38.3	38.2	37.8	5-09	300	3.21	38
THENCE TO LIGHT 48	30.4	33.6	30.5	7-09	300-200	10.84	36
THENCE TO LIGHT 76	30.1	29.6	27.8	5-09	200	7.42	36
THENCE TO POINT							
COMFORT TURNING BASIN	29.0	30.5	26.6	5-09	200-399	0.98	36
TURNING BASIN	36.4	36.3	36.4	5-09	1000	0.17	36

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

Chart 11317 NM 45/09

MATAGORDA SHIP CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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)
SEA BAR AND JETTY CHANNEL	38.3	38.2	37.8	5-09	300	3.21	38
THENCE TO LIGHT 48	30.4	33.6	30.5	7-09	300-200	10.84	36
THENCE TO LIGHT 76	30.1	29.6	27.8	5-09	200	7.42	36
THENCE TO POINT COMFORT TURNING BASIN	29.0	30.5	26.6	5-09	200-399	0.98	36
TURNING BASIN	36.4	36.3	36.4	5-09	1000	0.17	36

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

Chart 11318 NM N45/09

CORPUS CHRISTI CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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)
CORPUS CHRISTI CHANNEL	37.9	44.8	44.7	40.3	5,6,7-09	600-300	17.9	45
CHANNEL TO LA QUINTA	42.5	44.1	43.5	39.4	12-08	300-400	4.7	45
TURNING BASIN	44.0	40.4	44.0	44.2	12-08	1200	.30	45

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

Chart 11323 NM 45/09

GALVESTON BAY ENTRANCE - CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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)
ENTRANCE CHANNEL	45.0	47.0	46.0	43.0	8-09	800-1000	7.5	47
OUTER BAR CHANNEL	40.0	45.0	48.0	47.0	5-09	800	1.5	47
INNER BAR CHANNEL	41.0	45.0	46.0	38.0	5-09	800	2.9	47

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 11324 NM 45/09

GALVESTON BAY AND HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
GALVESTON HARBOR:								
ENTRANCE CHANNEL	45.0	47.0	46.0	43.0	8-09	800-1000	7.5	47
OUTER BAR CHANNEL	40.0	45.0	48.0	47.0	5-09	800	1.5	47
INNER BAR CHANNEL	41.0	45.0	46.0	38.0	5-09	800	2.9	47
BOLIVAR ROADS CHANNEL	47.0	49.0	46.0	45.0	5-09	800	0.7	47
HOUSTON SHIP CHANNEL:								
BOLIVAR ROADS TO LOWER END OF MORGAN PT.	33.0	45.0	43.0	34.0	3,7-09	400-530	22.8	45
GALVESTON CHANNEL	12.6	30.1	30.3	14.3	6,8-09	1125-1075	3.5	40
BOLIVAR ROADS TO TURNING BASIN	34.4	39.1	41.8	37.8	7-09	400	5.9	40
TEXAS CITY TURNING BASIN	44.1	47.3	47.4	42.5	6-09	1200	0.7	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 11325 NM 45/09

HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT).					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
HOUSTON SHIP CHANNEL:								
EXXON OIL CO. SLIP TO CARPENTERS BAYOU (A)	41.0	46.0	45.0	40.0	6-09	400-525	4.90	45
THENCE TO GREENS BAYOU (B)	32.0	36.0	33.0	30.0	6-09	400-300	4.70	40-45
GREENS BAYOU CHANNEL (TO FIRST BEND)	30.0	31.0	32.0	32.0	6-09	500-175	0.32	36
THENCE TO HUNTING BAYOU (UPPER BEND)	34.0	38.0	40.0	35.0	5-09	300	1.91	40
TURNING POINT AT HUNTING BAYOU	34.0	37.0	39.0	35.0	5-09	600	0.23	40
THENCE TO SOUTHERN PACIFIC SLIP	34.0	37.0	40.0	33.0	5-09	300	3.04	40
TURNING POINT AT SIMS BAYOU	39.0	41.0	36.0	33.0	5-09	700	0.26	40
THENCE TO HOUSTON TURNING BASIN WHARF 15	34.0	37.0	36.0	32.0	3-09	300	2.59	36
TURNING POINT AT BRADY ISLAND	32.0	34.0	34.0	33.0	4-09	422	0.18	36
HOUSTON TURNING BASIN	26.0	28.0	32.0	29.0	4-09	250-1000	0.50	36
UPPER TURNING BASIN	19.0	24.0	21.0	14.0	4-09	150	0.23	36

A. CHANNEL WIDENS 125 FEET IN LEFT OUTSIDE QUARTER IN VICINITY OF EXXON OIL CO.

B. CHANNEL NARROWS IN VICINITY OF THE SHELL OIL CO. SLIP.

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 11327 NM 45/09

HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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	33.0	45.0	43.0	34.0	3,7-09	400-530	22.8	45

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 11328 NM 45/09

HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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	33.0	45.0	43.0	34.0	3,7-09	400-530	22.8	45
LOWER END OF MORGAN PT. TO EXXON OIL CO. SLIP	27.0	35.0	41.0	29.0	8-09	400-525	3.8	45

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 11329 NM 45/09

HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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)
LOWER END OF MORGAN PT. TO EXXON OIL CO. SLIP	27.0	35.0	41.0	29.0	8-09	400-525	3.80	45
EXXON OIL CO. SLIP TO CARPENTERS BAYOU (A)	41.0	46.0	45.0	40.0	6-09	400-525	4.90	45
THENCE TO GREENS BAYOU (B)	32.0	36.0	33.0	30.0	6-09	400-300	4.70	40-45

A. CHANNEL WIDENS 125 FEET IN LEFT OUTSIDE QUARTER IN VICINITY OF EXXON OIL CO.

B. CHANNEL NARROWS IN VICINITY OF THE SHELL OIL CO. SLIP.

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 11342 NM 45/09

SABINE PASS - SABINE - NECHES CANAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2009

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SABINE PASS:								
OUTER BAR CHANNEL	38.7	41.5	38.9	36.4	5-09	800	3.0	42
JETTY CHANNEL	32.2	43.8	41.9	31.8	4-09	800-500	3.5	40
PASS CHANNEL	27.4	35.4	41.2	21.1	4-09	500-1150	4.9	40
ANCHORAGE BASIN	35.0	23.0	13.1	0.5	4-09	1500	1.4	40
PORT ARTHUR SHIP CANAL	34.5	39.5	38.1	31.1	4-09	500	4.8	40
JUNCTION PORT ARTHUR-SABINE NECHES CANALS	33.6	38.2	35.0	33.0	6-09	400-1200	1.1	40
ENTRANCE TO PORT ARTHUR TURNING BASINS	37.6	38.2	37.6	34.6	6-09	282-735	0.3	40
EAST TURNING BASIN	36.5	38.3	38.1	37.2	6-09	370-547	0.3	40
WEST TURNING BASIN	37.4	37.8	38.9	33.8	6-09	350-735	0.3	40
CHANNEL CONNECTING WEST BASIN AND TAYLOR BAYOU TURNING BASIN	29.8	41.6	39.2	37.3	6-09	200-350	0.5	40
TAYLOR BAYOU TURNING BASIN	34.2	41.3	42.1	40.8	6-09	90-1233	0.6	40
SABINE-NECHES CANAL:								
PORT ARTHUR TO NECHES RIVER	29.5	36.0	36.9	29.6	5-09	400	9.6	40
NECHES RIVER TO SABINE RIVER	19.7	21.2	19.3	16.1	6-09	200	3.9	30

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. A DEPTH VALUE REFERRED TO MEAN LOW TIDE WOULD BE APPROXIMATELY ONE FOOT DEEPER WHEN REFERRED TO MEAN LOWER LOW WATER AT THE SABINE PASS NORTH TIDE GAGE, AT 29°43'42"N 093°52'12"W.

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

Chart 11378 (Side A) NM 45/09

PENSACOLA HARBOR ENTRANCE CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH MLLW (FEET)
CAUCUS CHANNEL	A24.0	39.4	39.4	B33.4	1-09	800	3.1	44
BARRANCAS CHANNEL	47.5	48.7	48.7	48.0	1-09	800	1.7	44
PICKENS CHANNEL	43.6	45.5	45.5	C45.9	1-09	800	2.8	44

A. 13.1 FEET ALONG THE CHANNEL EDGE.
B. 23.9 FEET ALONG THE CHANNEL EDGE.
C. EXCEPT FOR A 43 FT OBSTRUCTION REPORTED BY AN NOS SURVEY AT 30°19'57.7" N, 087°16'39.3" W.

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

Chart 11383 NM 45/09

PENSACOLA HARBOR ENTRANCE CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH MLLW (FEET)
CAUCUS CHANNEL	A24.0	39.4	39.4	B33.4	1-09	800	3.1	44
BARRANCAS CHANNEL	47.5	48.7	48.7	48.0	1-09	800	1.7	44
PICKENS CHANNEL	43.6	45.5	45.5	C45.9	1-09	800	2.8	44

A. 13.1 FEET ALONG THE CHANNEL EDGE.
B. 23.9 FEET ALONG THE CHANNEL EDGE.
C. EXCEPT FOR A 43 FT OBSTRUCTION REPORTED BY AN NOS SURVEY AT 30°19'57.7" N, 087°16'39.3" W.

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

Chart 11384 NM 45/09

PENSACOLA HARBOR ENTRANCE CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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)
CAUCUS CHANNEL	A24.0	39.4	39.4	B33.4	1-09	800	3.1	44
BARRANCAS CHANNEL	47.5	48.7	48.7	48.0	1-09	800	1.7	44
PICKENS CHANNEL	43.6	45.5	45.5	C45.9	1-09	800	2.8	44

A. 13.1 FEET ALONG THE CHANNEL EDGE.
B. 23.9 FEET ALONG THE CHANNEL EDGE.
C. EXCEPT FOR A 43 FT OBSTRUCTION REPORTED BY AN NOS SURVEY AT 30°19'57.7" N, 087°16'39.3" W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11389 NM 45/09

PORT ST. JOE AND PANAMA CITY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

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)
PORT ST. JOE HARBOR							
ENTRANCE CHANNEL	25.9	30.7A	30.5B	5,6,7-09	300-500	8.0	35-37
NORTH CHANNEL	24.7	25.3	25.1	5-09	300	4.1	35
TURNING BASIN	25.8	25.2	24.7	5-09	650	0.3	32
HARBOR CHANNEL	25.6	25.6	25.8	5-09	250	0.3	35
PANAMA CITY HARBOR							
ENTRANCE CHANNEL	36.0	36.0	36.0	4-09	450-300	2.6	38-36

A. EXCEPT FOR SHOALING TO 20.1 BETWEEN 29°52'45.1"N 85°23'01.7"W AND 29°52'27.3"N 85°23'01.1"W
B. EXCEPT FOR SHOALING TO 1.9 BETWEEN 29°52'45.1"N 85°23'01.7"W AND 29°52'27.3"N 85°23'01.1"W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11390 NM 45/09

PANAMA CITY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2009

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)
PANAMA CITY HARBOR							
ENTRANCE CHANNEL	36.0	36.0	36.0	4-09	450-300	2.6	38-36

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

Chart 11391 NM 45/09

PANAMA CITY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2009

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)
PANAMA CITY HARBOR							
ENTRANCE CHANNEL	36.0	36.0	36.0	4-09	450-300	2.6	38-36

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

Chart 11393 (Side A) NM 45/09

PORT ST. JOE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
PORT ST. JOE HARBOR							
ENTRANCE CHANNEL	25.9	30.7A	30.5B	5,6,7-09	300-500	8.0	35-37
NORTH CHANNEL	24.7	25.3	25.1	5-09	300	4.1	35
TURNING BASIN	25.8	25.2	24.7	5-09	650	0.3	32
HARBOR CHANNEL	25.6	25.6	25.8	5-09	250	0.3	35

A. EXCEPT FOR SHOALING TO 20.1 BETWEEN 29°52'45.1"N 85°23'01.7"W AND 29°52'27.3"N 85°23'01.1"W

B. EXCEPT FOR SHOALING TO 1.9 BETWEEN 29°52'45.1"N 85°23'01.7"W AND 29°52'27.3"N 85°23'01.1"W

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

Chart 12327 NM 45/09

ARTHUR KILL, KILL VAN KULL, NEWARK BAY, PORT NEWARK AND PORT ELIZABETH CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

AND SURVEYS TO APR 2009

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ARTHUR KILL:								
OUTERBRIDGE REACH	33.1	34.9	35.6	34.4	6,7-08;9-08;4-09	600	0.85	35
PORT SOCONY REACH	31.8	34.5	34.5	33.0	4-09	600-800	0.87	35
PORT READING REACH	28.3	34.4	34.6	28.2	4-09	500-850	1.8	35
FRESH KILLS REACH	30.3	34.6	35.9	34.0	4-09	500	1.65	35
TREMLEY POINT REACH	30.5	35.6	36.3	29.2	4-09	500	0.85	35
PRALLS ISLAND REACH	31.9	33.6	35.2	27.0	4-09	500	1.13	35
GULFPORT REACH	32.6	36.2	37.0	30.3	6,7-08;4-09	500-600	1.03	35
ELIZABETHPORT REACH	42.0	43.8	43.1	42.3	6-08	500-600	1.1	41
NORTH OF SHOOTERS ISLAND REACH	40.1	41.4	42.5	42.1	6-08	600	1.0	41
KILL VAN KULL:								
CONSTABLE HOOK REACH	39.3	46.2	44.9	44.2	6-08	2000-800	2.2	45
BERGEN POINT EAST REACH	51.9	52.5	52.7	49.9	6-08	800	1.0	45
BERGEN POINT WEST REACH	51.8	52.6	52.9	50.2	6-08	800	1.1	45
SOUTH OF SHOOTERS ISLAND REACH	A10.1	A14.5	A13.8	A6.5	11-04;10-05;5-06	400	1.0	30
NEWARK BAY:								
SOUTH REACH	44.8	46.9	45.7	43.3	2-09	1000-1775	1.32	45
REACH B: MIDDLE REACH	37.7	43.2	36.5	35.4	2-09	800-1700	0.88	45
REACH B1: MIDDLE REACH	38.3	39.1	34.1	28.2	2-09	560-800	0.53	35
NORTH REACH	13.9	22.1	17.7	6.4	2-09	500-1030	1.36	35
TURNING BASIN	22.2	22.1	19.6	7.1	2-09	900	0.26	35
PORT NEWARK:								
BRANCH REACH	27.5	34.9	37.1	31.7	3-09	400-1775	0.37	40
INSHORE REACH	33.7	32.3	31.1	31.3	3-09	400	1.06	40
PORT ELIZABETH CHANNEL REACH	40.5	41.9	41.4	38.0	2-09	500-800	1.22	45

A. NUMEROUS WRECKS AND OBSTRUCTIONS WITH MINIMUM DEPTH TO 4 FEET WITHIN CHANNEL LIMITS.

* CONTROLLING DEPTHS IN CHANNELS OF RARITAN BAY - EAST REACH TO AND INCLUDING GULFPORT REACH ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM LOWER NEW YORK BAY. CONTROLLING DEPTHS FROM CONSTABLE HOOK TO AND INCLUDING ELIZABETHPORT REACH ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM UPPER NEW YORK BAY.

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

Chart 12331 NM 45/09

RARITAN BAY, ARTHUR KILL AND RARITAN RIVER
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009
AND SURVEYS TO APR 2009

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	34.3	38.2	38.4	33.8	9-08	600	4.0	35
RARITAN BAY WEST REACH	32.4	40.1	40.1	32.8	9-08	600	2.4	35
SEGUINE POINT BEND	31.7	34.8	37.0	25.8	9-08	600-800	1.2	35
RED BANK REACH	34.0	41.0	40.5	35.0	9-08	600	1.2	35
WARD POINT BEND (EAST)	30.8	39.4	36.7	29.9	9-08	600-800	1.1	35
WARD POINT BEND (WEST)	34.8	34.4	32.6	30.4	9-08	600-800	1.3	35
AUTHUR KILL:								
OUTERBRIDGE REACH	33.1	34.9	35.6	34.9	6,7-08;9-08;4-09	600	0.85	35
PORT SOCONY REACH	31.8	34.5	34.5	33.0	4-09	600-800	0.87	35
PORT READING REACH	28.3	34.4	34.6	28.2	4-09	500-850	1.8	35
FRESH KILLS REACH	30.3	34.6	35.9	34.0	4-09	500	1.65	35
RARITAN RIVER CUTOFF	17.8	19.8	17.9	12.9	7-08	600-1100	1.0	20
WARD POINT SECONDARY CHANNEL	17.4	17.5	20.0	19.8	6-04;8-06;1-08	400	0.9	30
GREAT BEDS REACH	18.8	21.6	22.3	19.8	7-08	300	0.6	25
SOUTH AMBOY REACH	19.8	21.9	22.0	17.9	7-08	300	1.2	25

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

Chart 12333 NM 45/09

ARTHUR KILL, KILL VAN KULL, NEWARK BAY, PORT NEWARK AND PORT ELIZABETH CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009
AND SURVEYS TO APR 2009

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)
AUTHUR KILL:								
FRESH KILLS REACH	30.3	34.6	35.9	34.0	4-09	500	1.65	35
TREMLEY POINT REACH	30.5	35.6	36.3	29.2	4-09	500	0.85	35
PRALLS ISLAND REACH	31.9	33.6	35.2	27.0	4-09	500	1.13	35
GULFPORT REACH	32.6	36.2	37.0	30.3	6,7-08;4-09	500-600	1.03	35
ELIZABETHPORT REACH	42.0	43.8	43.1	42.3	6-08	500-600	1.1	41
NORTH OF SHOOTERS ISLAND REACH	40.1	41.4	42.5	42.1	6-08	600	1.0	41
KILL VAN KULL:								
SOUTH OF SHOOTERS ISLAND REACH	A10.1	A14.5	A13.8	A6.5	11-04;10-05;5-06	400	1.0	30
BERGEN POINT WEST REACH	51.8	52.6	52.9	50.2	6-08	800	1.1	45
BERGEN POINT EAST REACH	51.9	52.5	52.7	49.9	6-08	800	1.0	45
CONSTABLE HOOK REACH	39.3	46.2	44.9	44.2	6-08	2000-800	2.2	45
NEWARK BAY:								
SOUTH REACH	44.8	46.9	45.7	43.3	2-09	1000-1775	1.32	45
REACH B: MIDDLE REACH	37.7	43.2	36.5	35.4	2-09	800-1700	0.88	45
REACH B1: MIDDLE REACH	38.3	39.1	34.1	28.2	2-09	560-800	0.53	35
NORTH REACH	13.9	22.1	17.7	6.4	2-09	500-1030	1.36	35
PORT NEWARK:								
BRANCH REACH	27.5	34.9	37.1	31.7	3-09	400-1775	0.37	40
PORT ELIZABETH CHANNEL REACH	40.5	41.9	41.4	38.0	2-09	500-800	1.22	45

A. NUMEROUS WRECKS AND OBSTRUCTIONS WITH MINIMUM DEPTH TO 4 FEET WITHIN CHANNEL LIMITS.
* CONTROLLING DEPTHS IN CHANNELS OF RARITAN BAY - EAST REACH TO AND INCLUDING GULFPORT REACH ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM LOWER NEW YORK BAY. CONTROLLING DEPTHS FROM CONSTABLE HOOK TO AND INCLUDING ELIZABETHPORT REACH ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM UPPER NEW YORK BAY.

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