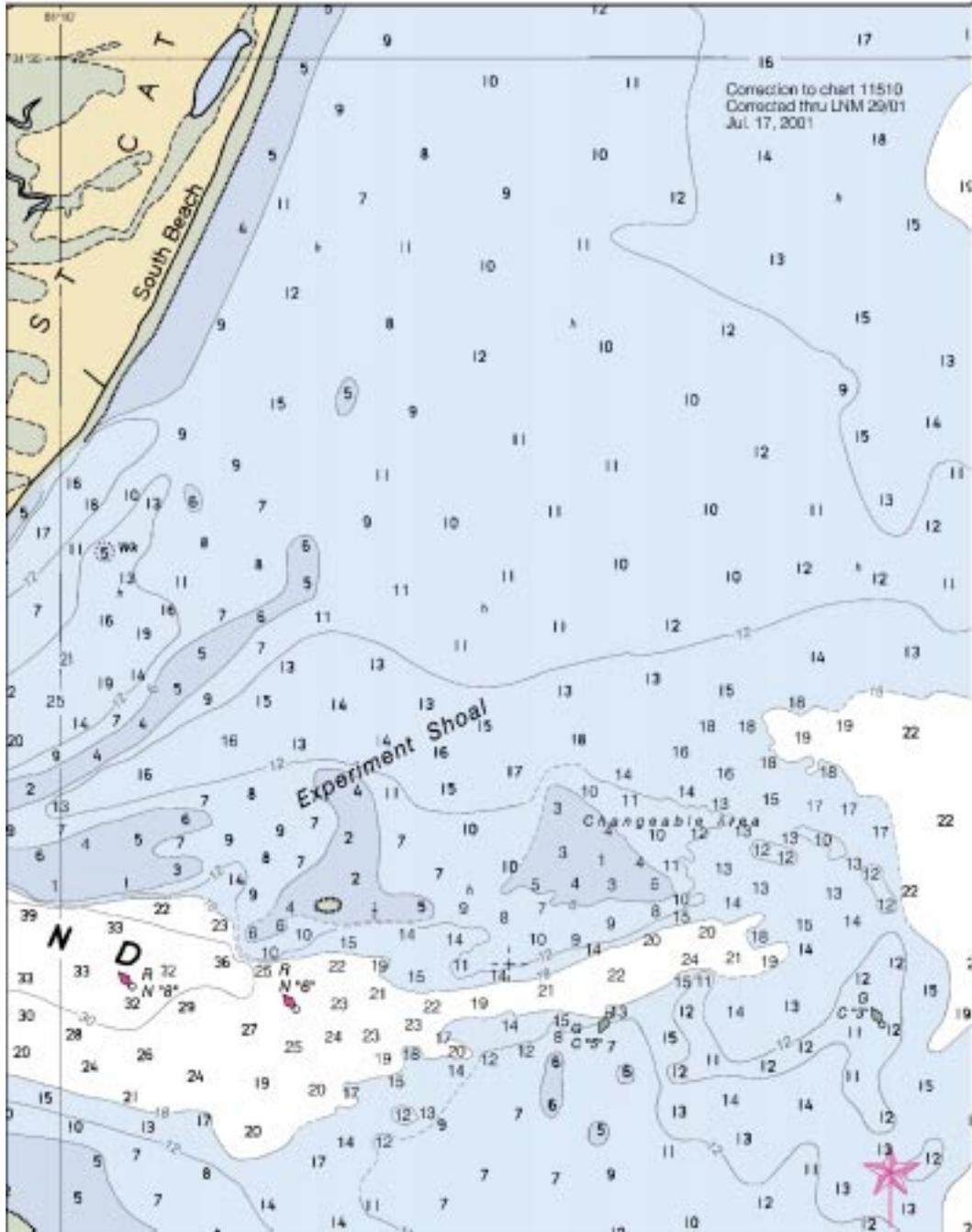
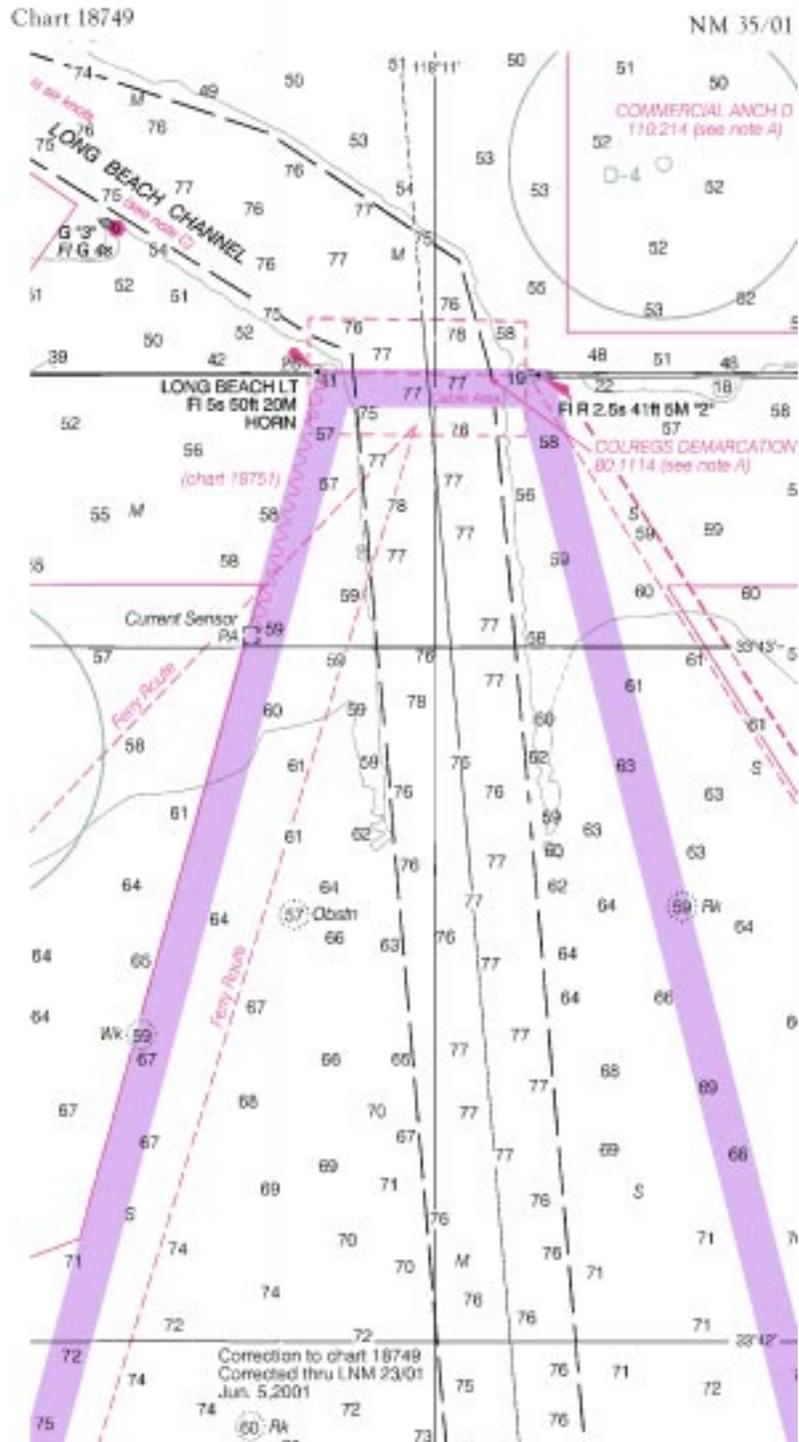


Chart 11510

NM 35/01







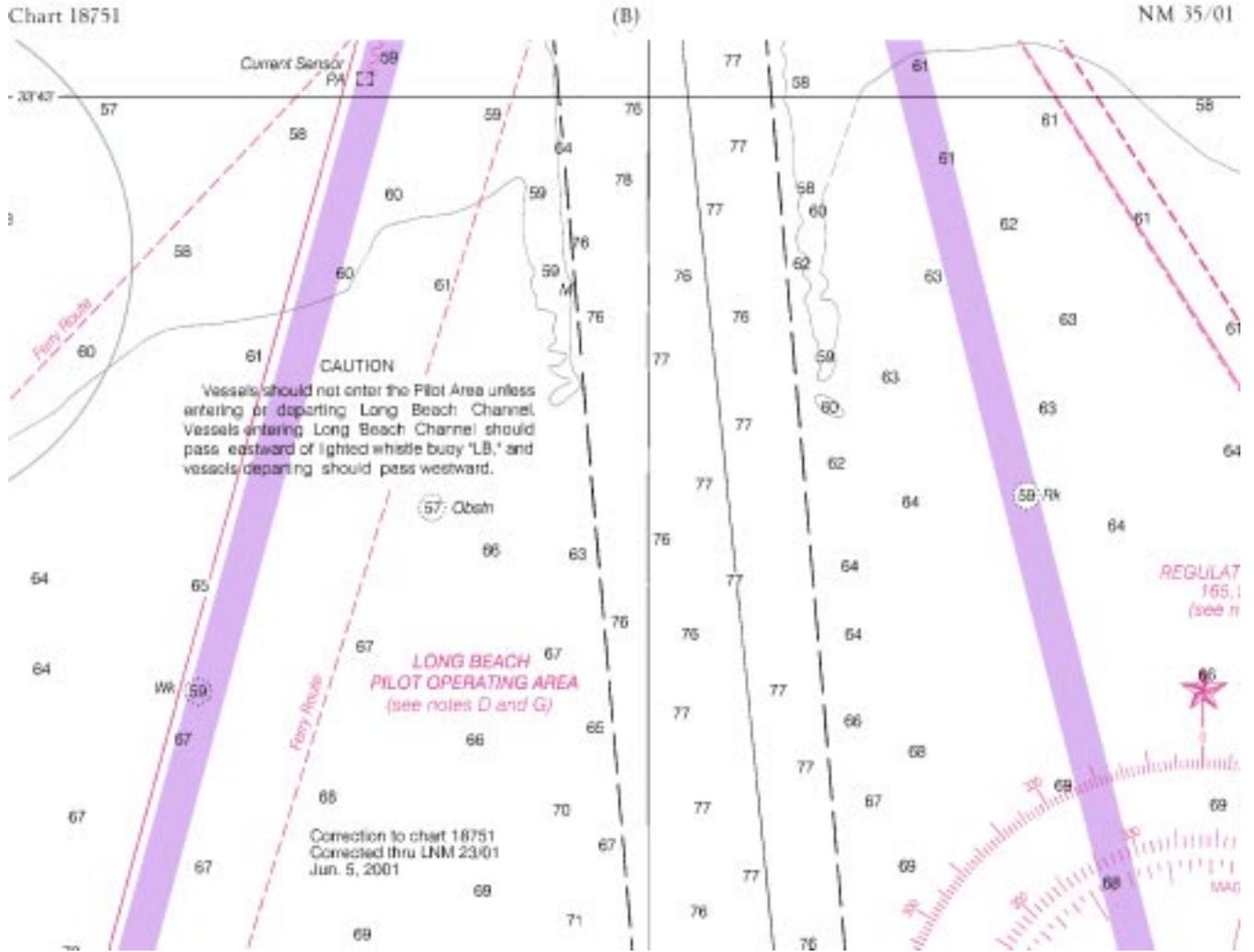
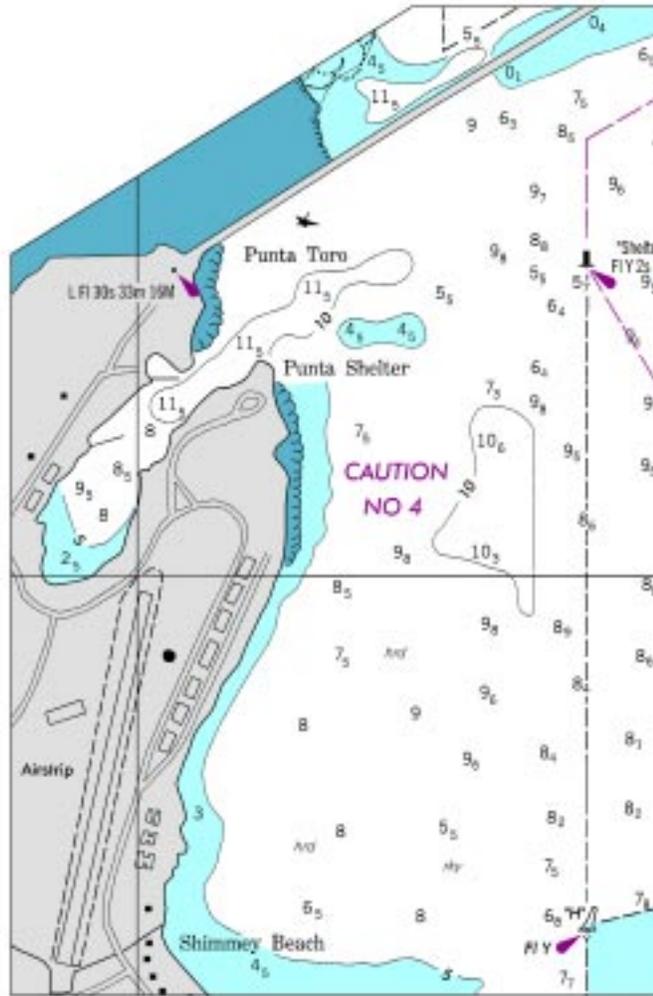


Chart 26068

NM 35/01



SECTION I

NM 35/01

Chart 11353

NM 35/01

MISSISSIPPI RIVER - GULF OUTLET CHANNEL			
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS			
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)			
NAME OF CHANNEL	DEPTH MLLW (FEET)	WIDTH (FEET)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 THENCE TO END OF JETTY OPPOSITE LIGHT 62	26.0	600	6-01
	24.0	500	5,6-01
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE			

Chart 11363

NM 35/01

MISSISSIPPI RIVER - GULF OUTLET CHANNEL			
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS			
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)			
NAME OF CHANNEL	DEPTH MLLW (FEET)	WIDTH (FEET)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 THENCE TO END OF JETTY OPPOSITE LIGHT 62 THENCE TO INTERSECTION WITH G. I. W. W. THENCE TO INNER HARBOR NAVIGATION CANAL	26.0	600	6-01
	24.0	500	5,6-01
	23.0	500	2,3,4,5-01
	25.0	500	2-01
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE			

Chart 11364

NM 35/01

MISSISSIPPI RIVER - GULF OUTLET CHANNEL			
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS			
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)			
NAME OF CHANNEL	DEPTH MLLW (FEET)	WIDTH (FEET)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 THENCE TO END OF JETTY OPPOSITE LIGHT 62 THENCE TO INTERSECTION WITH G. I. W. W. THENCE TO INNER HARBOR NAVIGATION CANAL	26.0	600	6-01
	24.0	500	5,6-01
	23.0	500	2,3,4,5-01
	25.0	500	2-01
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE			

Chart 11369

NM 35/01

MISSISSIPPI RIVER - GULF OUTLET CHANNEL			
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS			
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)			
NAME OF CHANNEL	DEPTH MLLW (FEET)	WIDTH (FEET)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20	26.0	600	6-01
THENCE TO END OF JETTY OPPOSITE LIGHT 62	24.0	500	5,6-01
THENCE TO INTERSECTION WITH G. I. W. W.	23.0	500	2,3,4,5-01
THENCE TO INNER HARBOR NAVIGATION CANAL	25.0	500	2-01

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE

Chart 11465

NM 35/01

MIAMI HARBOR CHANNEL								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2001 AND SURVEYS TO APR 2001								
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 BAR CUT	39.0	45.0	44.7	44.3	4-01	500	1.5	44
WIDENER A	46.1	45.9	45.1	43.5	4-01	0-600	0.55	44
BAR CUT	44.4	44.9	38.6	35.0	4-01	500	0.73	44
GOVERNMENT CUT	42.7	45.5	45.1	45.0	4-01	500	0.66	42
MAIN CHANNEL	35.1	38.2	36.8	35.3 B	4-01	400	2.44	36
FISHERMANS CHANNEL C								
LUMMUS ISLAND CUT	30.5	31.2	31.3	29.3	4-01	400-750	0.95	36
LUMMUS ISLAND TURNING BASIN D	15.6 E	29.8	30.3	27.6	4-01	400-2000	0.60	36
DODGE ISLAND CUT	34.1	35.1	35.1	33.4	4-01	500	0.57	35

A. WIDENER LOCATED AT THE JUNCTION OF OUTER BAR CUT AND BAR CUT REACH.
 B. SHOALING TO 13 FT BETWEEN 25°45'59" N 80°08'17" W AND 25°46'00" N 80°08'22" W. SHOALING EXTENDS 100 FT INTO CHANNEL
 C. NOT A CORPS OF ENGINEERS PROJECT. CONSULT PORT OF MIAMI FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION (305)371-7678
 D. SHOALING TO 10 FT, 100' FROM WEST END OF TURNING BASIN BETWEEN 25°46'07.8" N 80°10'12.8" W AND 25°46'00.9" N 80°10'13.0" W
 E. SHOALING TO 6' AT 25°45'54.3" N, 80°09'50.0" W
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11468

NM 35/01

MIAMI HARBOR CHANNEL								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2001 AND SURVEYS TO APR 2001								
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 BAR CUT	39.0	45.0	44.7	44.3	4-01	500	1.5	44
WIDENER A	46.1	45.9	45.1	43.5	4-01	0-600	0.55	44
BAR CUT	44.4	44.9	38.6	35.0	4-01	500	0.73	44
GOVERNMENT CUT	42.7	45.5	45.1	45.0	4-01	500	0.66	42
MAIN CHANNEL	35.1	38.2	36.8	35.3 B	4-01	400	2.44	36
FISHERMANS CHANNEL C								
LUMMUS ISLAND CUT	30.5	31.2	31.3	29.3	4-01	400-750	0.95	36
LUMMUS ISLAND TURNING BASIN D	15.6 E	29.8	30.3	27.6	4-01	400-2000	0.60	36
DODGE ISLAND CUT	34.1	35.1	35.1	33.4	4-01	500	0.57	35

A. WIDENER LOCATED AT THE JUNCTION OF OUTER BAR CUT AND BAR CUT REACH.
 B. SHOALING TO 13 FT BETWEEN 25°45'59" N 80°08'17" W AND 25°46'00" N 80°08'22" W. SHOALING EXTENDS 100 FT INTO CHANNEL
 C. NOT A CORPS OF ENGINEERS PROJECT. CONSULT PORT OF MIAMI FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION (305)371-7678
 D. SHOALING TO 10 FT, 100' FROM WEST END OF TURNING BASIN BETWEEN 25°46'07.8" N 80°10'12.8" W AND 25°46'00.9" N 80°10'13.0" W
 E. SHOALING TO 6' AT 25°45'54.3" N, 80°09'50.0" W
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 35/01

Chart 14839

NM 35/01

CLEVELAND HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 2001 AND REPORTS TO MAY 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
LAKE APPROACH CHANNEL	28.4	31.7	30.4	26.1	4,5,6-00	600-750	0.22	29
ENTRANCE CHANNEL	27.7	28.4	29.4	26.1	4,5,6-00	225-750	0.22	28
CUYAHOGA RIVER								
PIER RANGE	A19.3	25.1	28.3	21.1	3-01	230	0.30	27
THENCE TO LORAIN								
CARNEGIE VIADUCT BRIDGE	B14.5	20.6	22.0	9.1	3-01	100-700	2.69	23
THENCE TO END OF PROJECT	C10.5	D20.7	E17.1	F11.4	3-01	110-400	3.11	23
OLD RIVER								
FROM CUYAHOGA RIVER								
TO END OF PROJECT	17.7	23.4	22.4	G14.5	3-01	125-200	1.10	27
EAST BASIN								
AIRPORT RANGE	20.5	23.4	23.2	H18.9	10,11-99	500	3.11	25
TURNING BASIN	22.7	22.9	22.8	22.4	10,11-99	400-1600	0.33	25
EASTERN SECTION	I19.0	22.6	22.9	22.2	10,11-99	1250-1540	0.72	27
WESTERN SECTION	21.6	23.6	28.2	J23.2	10,11-99	1300-1540	0.28	28
WEST BASIN	K24.4	L23.6	M24.0	N21.1	10,11-99	1150-1570	0.91	28

A. EXCEPT FOR SHOALING TO 14.1 FEET AT 41°30'00.6"N 081°42'31.4"W UNDER RAILROAD BRIDGE.
 B. EXCEPT FOR SHOALING TO 11.9 FEET AT 41°29'22.7"N 081°41'36.1"W.
 C. EXCEPT FOR SHOALING TO 4.0 FEET AT 41°29'22.30"N 081°41'00.34"W AND TO 7.3 FT AT 41°29'21.8"N 081°41'36.0"W UNDER THE LORAIN CARNEGIE VIADUCT BRIDGE.
 D. EXCEPT FOR SHOALING TO 13.2 FEET IN LAST 100 FEET OF PROJECT.
 E. EXCEPT FOR SHOALING TO 12.9 FEET IN LAST 100 FEET OF PROJECT.
 F. EXCEPT FOR SHOALING TO 5.3 FEET IN LAST 800 FEET OF QUARTER AND 8.2 FT AT 41°29'10.0"N 081°40'46.8"W.
 G. EXCEPT FOR SHOALING TO 8.3 FEET AT 41°29'51.2"N 081°42'43.9"W UNDER THE LORAIN CARNEGIE VIADUCT BRIDGE.
 H. EXCEPT FOR SHOALING TO 15.7 FEET AT 41°31'52.2"N 081°40'02.1"W AND 16.9 FEET AT 41°31'08"N 081°41'19.7"W.
 I. EXCEPT FOR SHOALING TO 12.7 FEET AT 41°30'36.0"N 081°42'29.8"W.
 J. EXCEPT FOR SHOALING TO 20.9 FEET AT 41°30'18.5"N 081°42'33.3"W.
 K. EXCEPT FOR SHOALING TO 21.0 FEET IN WESTERN 800 FEET OF PROJECT.
 L. EXCEPT FOR SHOALING TO 16.7 FEET IN WESTERN 800 FEET OF PROJECT.
 M. EXCEPT FOR SHOALING TO 16.1 FEET IN WESTERN 950 FEET OF PROJECT.
 N. EXCEPT FOR SHOALING TO 14.1 FEET IN WESTERN 300 FEET OF PROJECT.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14850

NM 35/01

ST. CLAIR RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO MAY 2000								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
ST. CLAIR CUTOFF	23.4	26.9	25.6	20.0	9-96; 5,6-99; 4,5-00	700	5.3	27
SOUTHEAST BEND	27.1	27.1	27.1	27.6	10-94; 6-97; 5-00	700	1.0	27
SOUTHEAST BEND TO RUSSELL I.	21.4	26.9	27.6	26.2A	7-94; 6-97; 5-00	700-1000	4.3	27
RUSSELL I. TO LT BY '37"	22.6B	26.6	27.3	25.9C	8,9-93; 6-97; 5-00	1000	3.6	27
LT BY '37" TO MARINE CITY	24.9	27.3	27.3	25.1	7-94; 9-96	1000	4.3	27

A. SHOALING TO 18.0 FEET IN OUTSIDE 30 FEET OF QUARTER.
 B. SHOALING TO 20.8 FEET AT 42°38'45.0"N, 82°30'44.0"W.
 C. SHOALING TO 6.9 FEET IN OUTSIDE 50 FEET OF QUARTER.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 35/01

Chart 14852

NM 35/01

ST. CLAIR RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO MAY 2000								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
ST. CLAIR CUTOFF	23.4	26.9	25.6	20.0	9-96; 5,6-99; 4,5-00	700	5.3	27
SOUTHEAST BEND	27.1	27.1	27.1	27.6	10-94; 6-97; 5-00	700	1.0	27
SOUTHEAST BEND TO RUSSELL I.	21.4	26.9	27.6	26.2A	7-94; 6-97; 5-00	700-1000	4.3	27
RUSSELL I. TO LT BY "37"	22.6B	26.6	27.3	25.9E	8,9-93; 6-97; 5-00	1000	3.6	27
LT BY "37" TO MARINE CITY	24.9	27.3	27.3	25.1	7-94; 9-96	1000	4.3	27
ST. CLAIR TO STAG I.	24.4C	27.3	26.4	24.2	11-93; 5,6,7,8-99	900-1000	4.3	27
STAG I. TO SARNIA	20.7D	27.4	25.8	25.6	9,10-96; 5,6,7-99	1000-1400	7.9	27

A. SHOALING TO 18.0 FEET IN OUTSIDE 30 FEET OF QUARTER.
 B. SHOALING TO 20.8 FEET AT 42°38'45.0"N, 82°30'44.0"W.
 C. SHOALING TO 14.5 FEET AT 42°53'45.0"N, 82°28'21.0"W, AND 21.8 FEET AT 42°49'43.3"N, 82°29'00.5"W.
 D. SHOALING TO 14.1 FEET AT 42°58'19.0"N, 82°25'08.5"W, AND 19.8 FEET AT 42°58'17.2"N, 82°25'09.4"W.
 E. SHOALING TO 6.9 FEET IN OUTSIDE 50 FEET OF QUARTER.

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

Chart 14853 (Page 37)

NM 35/01

ST. CLAIR RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO MAY 2000								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
ST. CLAIR CUTOFF	23.4	26.9	25.6	20.0	9-96; 5,6-99; 4,5-00	700	5.3	27
SOUTHEAST BEND	27.1	27.1	27.1	27.6	10-94; 6-97; 5-00	700	1.0	27
SOUTHEAST BEND TO RUSSELL I.	21.4	26.9	27.6	26.2A	7-94; 6-97; 5-00	700-1000	4.3	27
RUSSELL I. TO LT BY "37"	22.6B	26.6	27.3	25.9E	8,9-93; 6-97; 5-00	1000	3.6	27
LT BY "37" TO MARINE CITY	24.9	27.3	27.3	25.1	7-94; 9-96	1000	4.3	27
ST. CLAIR TO STAG I.	24.4C	27.3	26.4	24.2	11-93; 5,6,7,8-99	900-1000	4.3	27
STAG I. TO SARNIA	20.7D	27.4	25.8	25.6	9,10-96; 5,6,7-99	1000-1400	7.9	27

A. SHOALING TO 18.0 FEET IN OUTSIDE 30 FEET OF QUARTER.
 B. SHOALING TO 20.8 FEET AT 42°38'45.0"N, 82°30'44.0"W.
 C. SHOALING TO 14.5 FEET AT 42°53'45.0"N, 82°28'21.0"W, AND 21.8 FEET AT 42°49'43.3"N, 82°29'00.5"W.
 D. SHOALING TO 14.1 FEET AT 42°58'19.0"N, 82°25'08.5"W, AND 19.8 FEET AT 42°58'17.2"N, 82°25'09.4"W.
 E. SHOALING TO 6.9 FEET IN OUTSIDE 50 FEET OF QUARTER.

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