

Chart 12281

NM 22/14

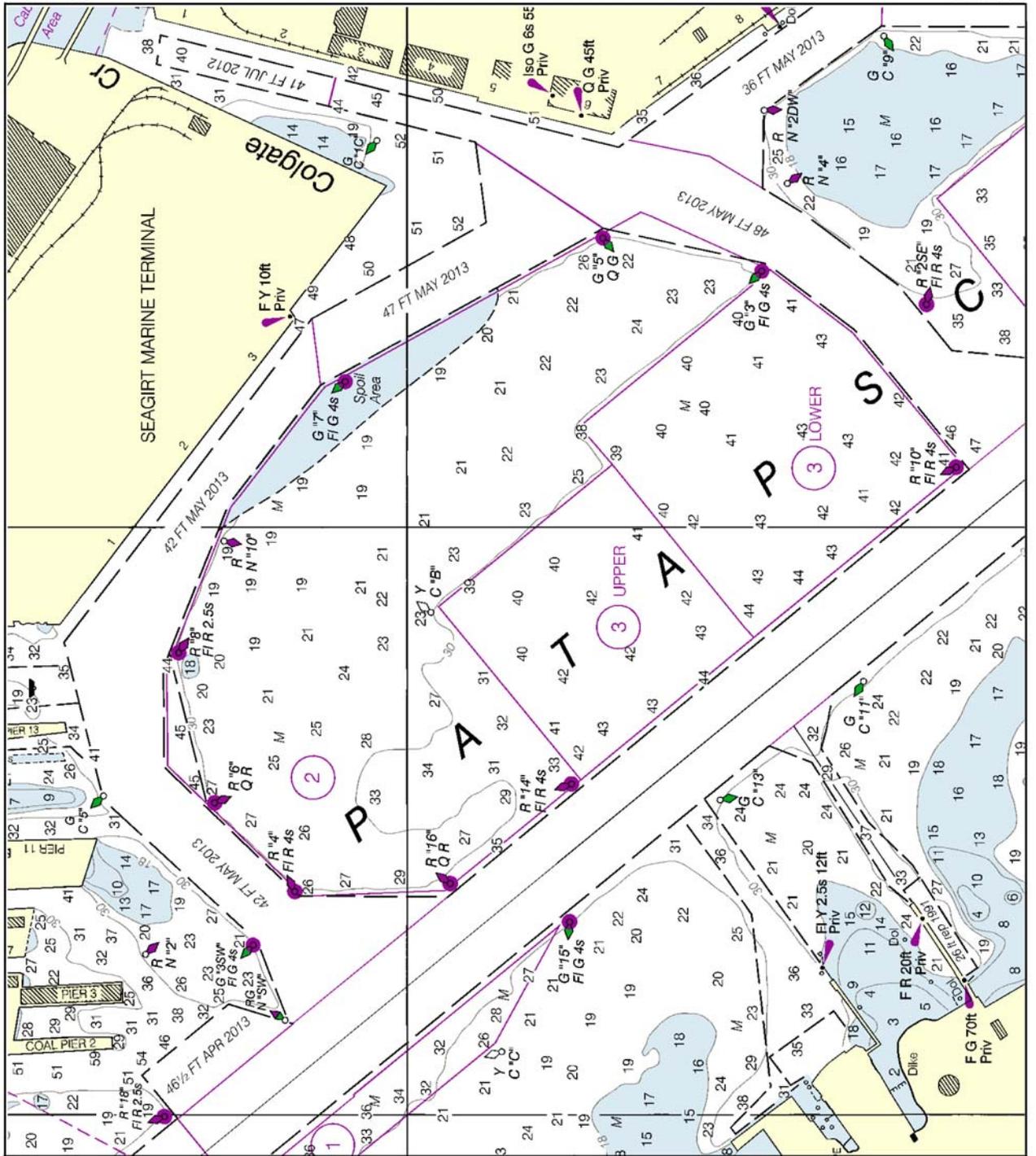


Chart 12312 (A) NM 22/14

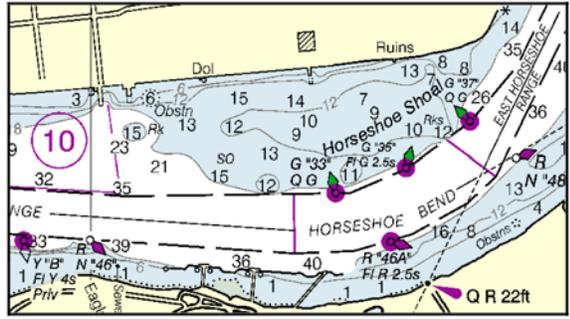


Chart 12312 (B) NM 22/14

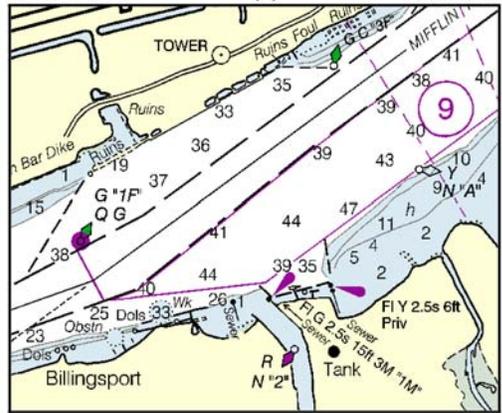


Chart 12313

NM 22/14

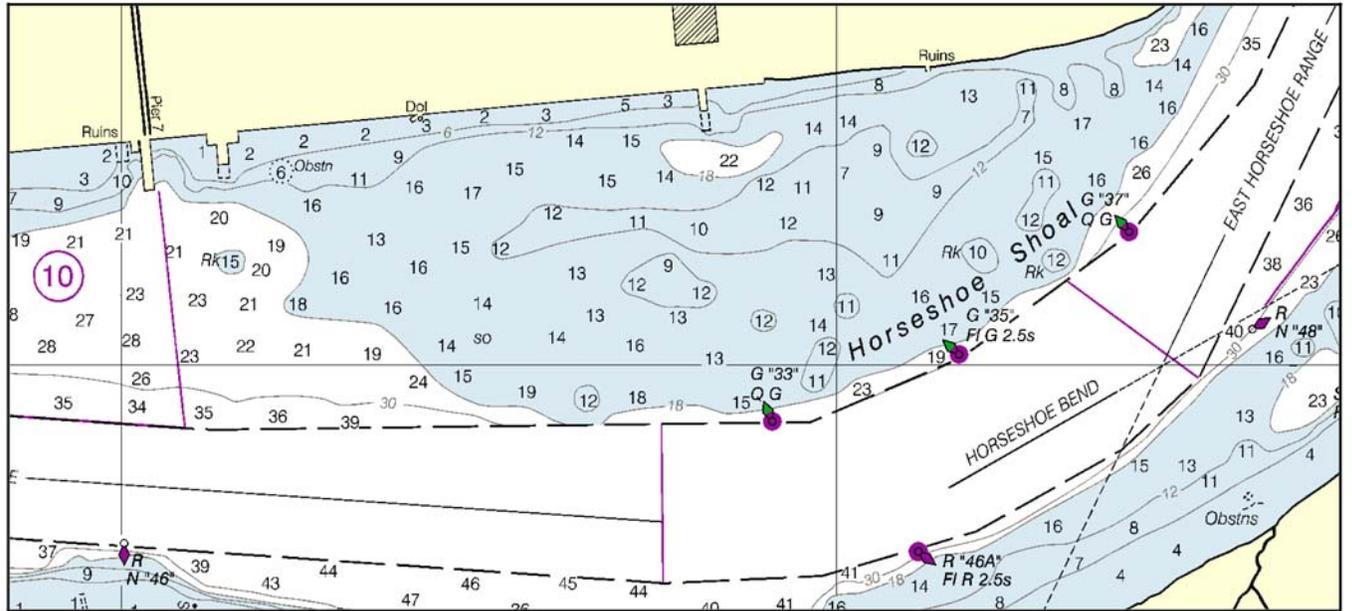
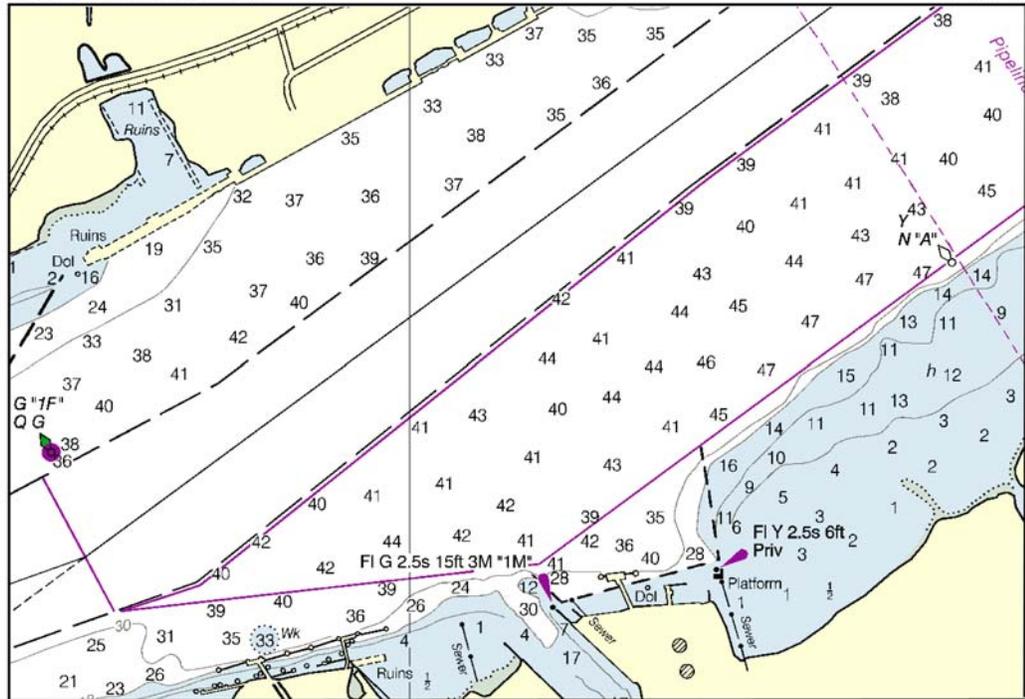


Chart 12313 (Continuation)

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SECTION I

NM 22/14

Chart 11328

NM 22/14

HOUSTON SHIP CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2014								
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 (MILES)	DEPTH MLLW (FEET)
BOLIVAR ROADS TO RED FISH LIGHT 1	42.0	44.3	44.3	40.6	6-13	530	12.38	45
RED FISH LIGHT 1 TO BEACON 76 (TURN)	34.4	44.9	44.3	37.1	8-13	530	8.33	45
BCN 76 TO LWR END MORGANS PT CUT	36.4	48.3	47.9	37.2	8-13	530	5.49	45
LOWER END MORGANS POINT CUT TO EXXON OIL CO. SLIP	33.9	39.6	43.1	36.1	5-13	400-525	4.36	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 11332

NM 22/14

SABINE PASS CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2014								
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)
SABINE BANK CHANNEL	33.0	32.7	38.5	38.6	9-13	800	14.7	42
OUTER BAR CHANNEL	33.1	33.4	33.2	33.0	2-14	800	3.4	42
JETTY CHANNEL	29.8	30.0	30.1	29.7	1-14	800-500	4.1	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11341

NM 22/14

SABINE PASS CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2014								
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)
SABINE BANK CHANNEL	33.0	32.7	38.5	38.6	9-13	800	14.7	42
OUTER BAR CHANNEL	33.1	33.4	33.2	33.0	2-14	800	3.4	42
JETTY CHANNEL	29.8	30.0	30.1	29.7	1-14	800-500	4.1	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

SECTION I

NM 22/14

Chart 11342

NM 22/14

SABINE PASS - SABINE - NECHES CANAL CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2014								
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)
SABINE PASS:								
OUTER BAR CHANNEL	33.1	33.4	33.2	33.0	2-14	800	3.4	42
JETTY CHANNEL	29.8	30.0	30.1	29.7	1-14	800-500	4.1	40
PASS CHANNEL (A)	21.9	21.9	21.4	21.0	2-14	500-1150	5.6	40
ANCHORAGE BASIN	31.5	19.4	4.2	7.0	5-13	1500	1.6	40
PORT ARTHUR CANAL	36.4	36.5	35.3	35.1	1-14	500	5.5	40
JUNCTION - PORT ARTHUR CANAL AND								
SABINE NECHES CANAL	34.8	34.3	34.2	34.8	1-14	400-1200	1.3	40
ENTRANCE TO PORT ARTHUR								
TURNING BASINS	37.7	37.9	39.6	39.5	12-13	282-735	0.4	40
PORT ARTHUR EAST TURNING BASIN	39.1	39.0	36.6	36.0	12-13	370-547	0.3	40
PORT ARTHUR WEST TURNING BASIN	38.8	39.3	40.3	40.1	12-13	350-735	0.3	40
CHANNEL FROM PORT ARTHUR								
WEST TURNING BASIN TO								
TAYLOR BAYOU TURNING BASIN	29.3	29.4	41.4	41.4	12-13	200-350	0.6	40
TAYLOR BAYOU TURNING BASIN	28.4	29.4	41.0	40.6	12-13	90-1233	0.7	40
SABINE-NECHES CANAL:								
JCT PORT ARTHUR TO NECHES RIVER	36.9	37.4	36.2	35.9	3-13	400	11.1	40
NECHES RIVER TO SABINE RIVER	23.3	23.7	23.3	23.2	9-13	200	4.5	30

A. 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 GAUGE, AT 29°43'42"N 093°52'12"W.

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

Chart 11389

NM 22/14

PORT ST. JOE AND PANAMA CITY HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2013							
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)
PORT ST. JOE HARBOR							
RANGE A	29.3	35.7	34.1	4-13	500	3.7	37
RANGE B	32.3	32.4	32.3	4-13	400	1.7	37
RANGE C	31.3	31.4	31.4	4-13	400	1.4	37
RANGE D	24.1	24.5A	24.4B	4-13	300	2.8	35
TURNING BASIN	24.2	23.6	23.2	4-12; 4-13	1000	0.4	32
HARBOR CHANNEL	24.2	23.6	23.2	4-12; 4-13	250	0.4	35
PANAMA CITY HARBOR							
ENTRANCE CHANNEL	36.0	35.8	34.8	6-12	450-300	1.5	38-36

A. EXCEPT FOR SHOALING TO 14.5 FT IN THE VICINITY OF 29°52'39.6"N 85°23'03.0"W

B. EXCEPT FOR SHOALING TO 5.8 IN THE VICINITY OF 29°52'39.6"N 85°23'03.0"W

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

Chart 11393 (Side A)

NM 22/14

PORT ST. JOE HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2013							
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)
PORT ST. JOE HARBOR							
RANGE A	29.3	35.7	34.1	4-13	500	3.7	37
RANGE B	32.3	32.4	32.3	4-13	400	1.7	37
RANGE C	31.3	31.4	31.4	4-13	400	1.4	37
RANGE D	24.1	24.5A	24.4B	4-13	300	2.8	35
HARBOR CHANNEL	24.2	23.6	23.2	4-12; 4-13	250	0.4	35
TURNING BASIN	24.2	23.6	23.2	4-12; 4-13	1000	0.4	32

A. EXCEPT FOR SHOALING TO 14.5 FT IN THE VICINITY OF 29°52'39.6"N 85°23'03.0"W
B. EXCEPT FOR SHOALING TO 5.8 IN THE VICINITY OF 29°52'39.6"N 85°23'03.0"W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14824

NM 22/14

CONNEAUT HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2013 AND REPORTS TO JUL 2013								
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 (FEET)	DEPTH LWD (FEET)
OUTER HARBOR CHANNEL	18.4A	19.6	21.7	13.5	7-13	430-1700	3500	28
OUTER HARBOR MOORING AREA	12.2B	15.3	13.9	3.5	7-13	0-1400	2250	22
CONNEAUT RIVER CHANNEL	22.5	19.2	19.2	19.8	7-13	170-250	2300	27
ACCESS CHANNEL TO CITY DOCK	3.8	0.4	0.4	0.6	7-13	200	1400	8
ANCHORAGE AREA	0.9	0.4	0.4	0.4	7-13	150	950	8

A. SHOALING TO 17.2 WITHIN 2' OF LEFT LIMIT, 3356' FROM START OF REACH 41°58'33.3" N 80°32'55.6" W
B. SHOALING TO 11.4 WITHIN 2' OF LEFT LIMIT, 983' FROM START OF REACH 41°58'21.0" N 80°33'17.6" W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14835

NM 22/14

ERIE HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT TO JAN 2013 AND SURVEYS TO SEP 2012								
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 (FEET)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL A	23.1A	23.1	22.8	13.8B	9-12	500-220	10400(a)	29
ENTRANCE CHANNEL B	27.0	26.8	27.6	26.0C	9-12	250-300	1500	28
NORTHEAST AND SOUTHEAST INNER HARBOR	23.3D	23.6	24.6	23.5E	9-12	2200	2200(b)	27-28
MIDDLE INNER HARBOR	18.3F	18.2	19.3	18.0	9-12	2400	1500	21
WEST INNER HARBOR	15.5G	15.8	15.8	16.4	9-12	900-550	2000	18

a. LENGTH VARIES DEPENDING ON THE LOCATION OF THE 29 FOOT CONTOUR IN LAKE ERIE.
b. IRREGULARLY SHAPED, SEE PROJECT CONDITION DRAWINGS.
A. SHOALING TO 23.1 WITHIN 1' OF LEFT LIMIT, 5823' FROM START OF REACH 42°09'39.2" N 80°03'30.7" W
B. SHOALING TO 12.1 WITHIN 0' OF RIGHT LIMIT, 9419' FROM START OF REACH 42°09'22.3" N 80°04'13.3" W
C. SHOALING TO 25.5 WITHIN 0' OF RIGHT LIMIT, 1246' FROM START OF REACH 42°09'00.3" N 80°05'06.1" W
D. SHOALING TO 21.8 WITHIN 0' OF LEFT LIMIT, 2385' FROM START OF REACH 42°08'31.0" N 80°05'10.5" W
E. SHOALING TO 22.9 WITHIN 2' OF RIGHT LIMIT, 2077' FROM START OF REACH 42°08'47.6" N 80°05'31.4" W
F. SHOALING TO 17.0 WITHIN 5' OF LEFT LIMIT, 1663' FROM START OF REACH 42°08'19.7" N 80°05'32.9" W
G. SHOALING TO 15.4 WITHIN 1' OF LEFT LIMIT 42°08'11.1" N 80°05'56.1" W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14842 (Page 26)

NM 22/14

SANDUSKY HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2013 AND SURVEYS TO APR 2013								
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 (FEET)	DEPTH LWD (FEET)
MOSELEY CHANNEL	25.6A	26.0	24.9	22.5B	4-13	400	8000 a	26
MOSELEY ENTRANCE CHANNEL	20.2C	21.3	22.6	15.4D	4-13	400	8000	26
UPPER STRAIGHT CHANNEL	16.6E	19.8	21.0	10.1F	4-13	400	5500	25
BAY CHANNEL	16.5G	19.3	19.3	13.9H	4-13	300	9000	25
TURNING BASIN	16.1I	15.4	15.4	12.9J	4-13	300-1500	300-1500	24
DOCK CHANNEL	11.9K	12.7	12.7	12.8L	4-13	300	5800	22
LOWER STRAIGHT CHANNEL	11.9M	13.8	12.8	11.7N	4-13	400	4200	21

a. LENGTH VARIES DEPENDING ON THE LOCATION OF THE 26 FOOT CONTOUR IN LAKE ERIE
A. SHOALING TO 25.6 WITHIN 6' OF LEFT LIMIT, 4371' FROM START OF REACH 41°30'10.7"N 82°40'06.0"W
B. SHOALING TO 22.1 WITHIN 3' OF RIGHT LIMIT, 5783' FROM START OF REACH 41°30'06.2"N 82°40'24.3"W
C. SHOALING TO 17.3 WITHIN 0' OF LEFT LIMIT, 4721' FROM START OF REACH 41°29'34.0"N 82°41'20.9"W
D. SHOALING TO 14.7 WITHIN 9' OF RIGHT LIMIT, 7064' FROM START OF REACH 41°29'23.9"N 82°41'50.5"W
E. SHOALING TO 14.6 WITHIN 1' OF LEFT LIMIT, 5175' FROM START OF REACH 41°28'26.3"N 82°42'08.6"W
F. SHOALING TO 8.7 WITHIN 6' OF RIGHT LIMIT, 2842' FROM START OF REACH 41°28'49.5"N 82°42'04.5"W
G. SHOALING TO 13.96 WITHIN 0' OF LEFT LIMIT, 4410' FROM START OF REACH 41°28'05.2"N 82°43'02.4"W
H. SHOALING TO 11.62 WITHIN 3' OF RIGHT LIMIT, 8029' FROM START OF REACH 41°27'51.4"N 82°43'48.0"W
I. SHOALING TO 12.72 WITHIN 4' OF LEFT LIMIT, 7' FROM START OF REACH 41°27'39.4"N 82°43'46.7"W
J. SHOALING TO 12.44 WITHIN 3' OF RIGHT LIMIT, 3368' FROM START OF REACH 41°27'14.3"N 82°43'42.3"W
K. SHOALING TO 11.60 WITHIN 3' OF LEFT LIMIT, 2902' FROM START OF REACH 41°27'33.6"N 82°43'04.2"W
L. SHOALING TO 10.40 WITHIN 1' OF RIGHT LIMIT, 5940' FROM START OF REACH 41°27'44.8"N 82°42'25.7"W
M. SHOALING TO 10.2 WITHIN 5' OF LEFT LIMIT, 802' FROM START OF REACH 41°27'55.9"N 82°42'26.4"W
N. SHOALING TO 10.7 WITHIN 7' OF RIGHT LIMIT, 845' FROM START OF REACH 41°27'55.2"N 82°42'21.4"W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14844

NM 22/14

SANDUSKY HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2013 AND SURVEYS TO APR 2013								
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 (FEET)	DEPTH LWD (FEET)
MOSELEY CHANNEL	25.6A	26.0	24.9	22.5B	4-13	400	8000 a	26
MOSELEY ENTRANCE CHANNEL	20.2C	21.3	22.6	15.4D	4-13	400	8000	26
UPPER STRAIGHT CHANNEL	16.6E	19.8	21.0	10.1F	4-13	400	5500	25
BAY CHANNEL	16.5G	19.3	19.3	13.9H	4-13	300	9000	25
TURNING BASIN	16.1I	15.4	15.4	12.9J	4-13	300-1500	300-1500	24
DOCK CHANNEL	11.9K	12.7	12.7	12.8L	4-13	300	5800	22
LOWER STRAIGHT CHANNEL	11.9M	13.8	12.8	11.7N	4-13	400	4200	21

a. LENGTH VARIES DEPENDING ON THE LOCATION OF THE 26 FOOT CONTOUR IN LAKE ERIE
A. SHOALING TO 25.6 WITHIN 6' OF LEFT LIMIT, 4371' FROM START OF REACH 41°30'10.7"N 82°40'06.0"W
B. SHOALING TO 22.1 WITHIN 3' OF RIGHT LIMIT, 5783' FROM START OF REACH 41°30'06.2"N 82°40'24.3"W
C. SHOALING TO 17.3 WITHIN 0' OF LEFT LIMIT, 4721' FROM START OF REACH 41°29'34.0"N 82°41'20.9"W
D. SHOALING TO 14.7 WITHIN 9' OF RIGHT LIMIT, 7064' FROM START OF REACH 41°29'23.9"N 82°41'50.5"W
E. SHOALING TO 14.6 WITHIN 1' OF LEFT LIMIT, 5175' FROM START OF REACH 41°28'26.3"N 82°42'08.6"W
F. SHOALING TO 8.7 WITHIN 6' OF RIGHT LIMIT, 2842' FROM START OF REACH 41°28'49.5"N 82°42'04.5"W
G. SHOALING TO 13.96 WITHIN 0' OF LEFT LIMIT, 4410' FROM START OF REACH 41°28'05.2"N 82°43'02.4"W
H. SHOALING TO 11.62 WITHIN 3' OF RIGHT LIMIT, 8029' FROM START OF REACH 41°27'51.4"N 82°43'48.0"W
I. SHOALING TO 12.72 WITHIN 4' OF LEFT LIMIT, 7' FROM START OF REACH 41°27'39.4"N 82°43'46.7"W
J. SHOALING TO 12.44 WITHIN 3' OF RIGHT LIMIT, 3368' FROM START OF REACH 41°27'14.3"N 82°43'42.3"W
K. SHOALING TO 11.60 WITHIN 3' OF LEFT LIMIT, 2902' FROM START OF REACH 41°27'33.6"N 82°43'04.2"W
L. SHOALING TO 10.40 WITHIN 1' OF RIGHT LIMIT, 5940' FROM START OF REACH 41°27'44.8"N 82°42'25.7"W
M. SHOALING TO 10.2 WITHIN 5' OF LEFT LIMIT, 802' FROM START OF REACH 41°27'55.9"N 82°42'26.4"W
N. SHOALING TO 10.7 WITHIN 7' OF RIGHT LIMIT, 845' FROM START OF REACH 41°27'55.2"N 82°42'21.4"W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION