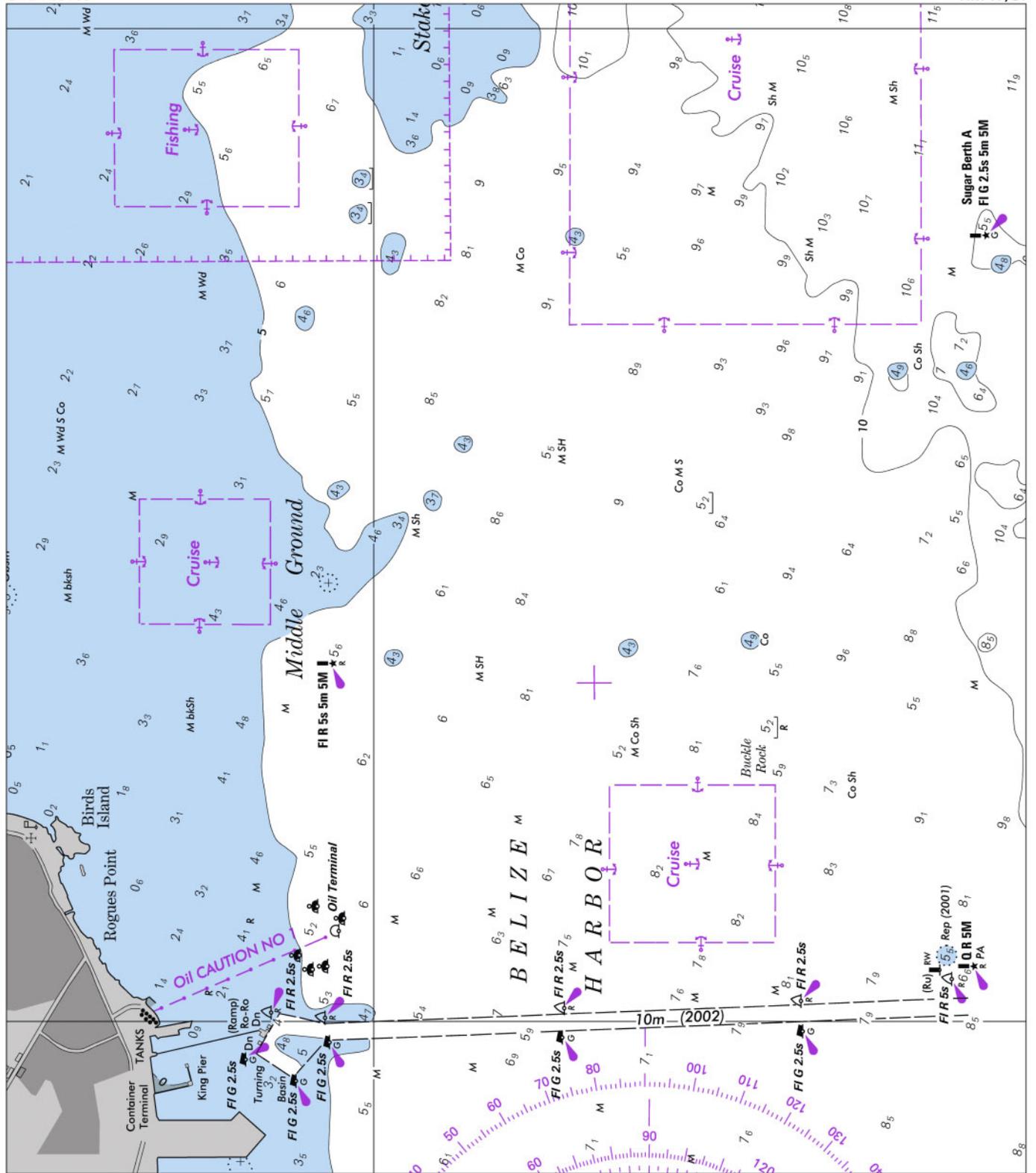


Chart 28168

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SECTION I

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Chart 11317

NM 17/09

| MATAGORDA SHIP CHANNEL | | | | | | | |
|--|----------------------|------------------------|-----------------------|----------------|--------------------|----------------------|-------------------|
| TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 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 | 38.6 | 38.7 | 37.2 | 9-08 | 300 | 3.21 | 38 |
| THENCE TO LIGHT 48 | 31.2 | 34.6 | 27.0 | 9-08 | 300-200 | 10.84 | 36 |
| THENCE TO LIGHT 76 | 32.0 | 33.0 | 32.0 | 9-08 | 200 | 7.42 | 36 |
| THENCE TO POINT COMFORT TURNING BASIN | 35.0 | 37.0 | 35.0 | 9-08 | 200-399 | 0.98 | 36 |
| TURNING BASIN | 38.0 | 37.0 | 29.0 | 9-08 | 1000 | 0.17 | 36 |

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

Chart 14850

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| ST. CLAIR RIVER CHANNEL DEPTHS | | | | | | | | |
|--|----------------------|---------------------|----------------------|-----------------------|-----------------------|--------------|----------------------|------------------|
| TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO AUG 2008 | | | | | | | | |
| 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 | 23.0 | 27.6 | 25.6 | 17.4 | 4,5,7-02; 7-06; 10-07 | 700 | 5.3 | 27 |
| SOUTHEAST BEND | 27.7 | 31.3 | 30.4 | 24.6 | 7-06; 8-08 | 700 | 1.0 | 27 |
| SOUTHEAST BEND TO RUSSELL I. | 19.5 | 27.1 | 27.1 | 23.7A | 8-06; 8-08 | 700-1000 | 4.3 | 27 |
| RUSSELL I. TO LT BY "37" | 24.6B | 26.8 | 28.2 | 25.8C | 7-07; 8-08 | 1000 | 3.6 | 27 |
| LT BY "37" TO MARINE CITY | 23.2 | 28.8 | 29.4 | 25.9 | 7,10-07 | 1000 | 4.3 | 27 |

A. SHOALING TO 14.5 FEET IN OUTSIDE 40 FEET OF QUARTER.
 B. SHOALING TO 22.6 FEET FROM 42°38'41.5" N 82°30'43.4" W TO 42°38'49.1" N 82°30'44.0" W
 C. SHOALING TO 14.8 FEET AT 42°36'42.0" N 82°31'04.7" W.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14852

NM 17/09

| ST. CLAIR RIVER CHANNEL DEPTHS | | | | | | | | |
|--|----------------------|---------------------|----------------------|-----------------------|----------------------------------|--------------|----------------------|------------------|
| TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO AUG 2008 | | | | | | | | |
| 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 | 23.0 | 27.6 | 25.6 | 17.4 | 4,5,7-02; 7-06; 10-07 | 700 | 5.3 | 27 |
| SOUTHEAST BEND | 27.7 | 31.3 | 30.4 | 24.6 | 7-06; 8-08 | 700 | 1.0 | 27 |
| SOUTHEAST BEND TO RUSSELL I. | 19.5 | 27.1 | 27.1 | 23.7A | 8-06; 8-08 | 700-1000 | 4.3 | 27 |
| RUSSELL I. TO LT BY "37" | 24.6B | 26.8 | 28.2 | 25.8C | 7-07; 8-08 | 1000 | 3.6 | 27 |
| LT BY "37" TO MARINE CITY | 23.2 | 28.8 | 29.4 | 25.9 | 7,10-07 | 1000 | 4.3 | 27 |
| ST. CLAIR TO STAG I. | 23.4D | 27.2 | 26.5 | 24.9 | 9-96; 8,9-07; 8-08 | 900-1000 | 4.3 | 27 |
| STAG I. TO SARNIA | 20.6E | 27.1 | 27.3 | 25.5F | 9-96; 5,6-99; 8-03; 7,8-07; 8-08 | 1000-1400 | 7.9 | 27 |

A. SHOALING TO 14.5 FEET IN OUTSIDE 40 FEET OF QUARTER.
 B. SHOALING TO 22.6 FEET FROM 42°38'41.5" N 82°30'43.4" W TO 42°38'49.1" N 82°30'44.0" W
 C. SHOALING TO 14.8 FEET AT 42°36'42.0" N 82°31'04.7" W.
 D. SHOALING TO 11.3 FEET FROM 42°49'40.9" N 82°29'01.7" W TO 42°49'44.5" N 82°29'00.1" W
 E. SHOALING TO 17.9 FEET AT 42°58'21.2" N 82°25'08.0" W
 F. SHOALING TO 22.6 FEET IN OUTSIDE 100 FEET OF QUARTER.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

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| ST. CLAIR RIVER CHANNEL DEPTHS | | | | | | | | |
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| TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO AUG 2008 | | | | | | | | |
| 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 | 23.0 | 27.6 | 25.6 | 17.4 | 4,5,7-02; 7-06; 10-07 | 700 | 5.3 | 27 |
| SOUTHEAST BEND | 27.7 | 31.3 | 30.4 | 24.6 | 7-06; 8-08 | 700 | 1.0 | 27 |
| SOUTHEAST BEND TO RUSSELL I. | 19.5 | 27.1 | 27.1 | 23.7A | 8-06; 8-08 | 700-1000 | 4.3 | 27 |
| RUSSELL I. TO LT BY "37" | 24.6B | 26.8 | 26.2 | 25.8C | 7-07; 8-08 | 1000 | 3.6 | 27 |
| LT BY "37" TO MARINE CITY | 23.2 | 26.8 | 29.4 | 25.9 | 7,10-07 | 1000 | 4.3 | 27 |
| ST. CLAIR TO STAG I. | 23.4D | 27.2 | 26.5 | 24.9 | 9-96; 8,9-07; 8-08 | 900-1000 | 4.3 | 27 |
| STAG I. TO SARNIA | 20.6E | 27.1 | 27.3 | 25.5F | 9-96; 5,6-99; 8-03; 7,8-07; 8-08 | 1000-1400 | 7.9 | 27 |

A. SHOALING TO 14.5 FEET IN OUTSIDE 40 FEET OF QUARTER.
 B. SHOALING TO 22.6 FEET FROM 42°38'41.5" N 82°30'43.4" W TO 42°38'49.1" N 82°30'44.0" W
 C. SHOALING TO 14.8 FEET AT 42°36'42.0" N 82°31'04.7" W.
 D. SHOALING TO 11.3 FEET FROM 42°49'40.9" N 82°29'01.7" W TO 42°49'44.5" N 82°29'00.1" W
 E. SHOALING TO 17.9 FEET AT 42°58'21.2" N 82°25'08.0" W
 F. SHOALING TO 22.6 FEET IN OUTSIDE 100 FEET OF QUARTER.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 25673

NM 17/09

| MAYAGUEZ HARBOR CHANNEL DEPTHS | | | | | | | | |
|--|----------------------|---------------------|----------------------|-----------------------|----------------|--------------------|----------------------|-------------------|
| TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2008 | | | | | | | | |
| 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) |
| APPROACH CHANNEL | A20.0 | 29.2 | 29.3 | A28.6 | 5-08 | 1000-500 | 0.4 | 30 |
| TERMINAL CHANNEL | B24.2 | B25.6 | B22.1 | B18.8 | 5-08 | 500 | 0.2 | 30 |

A. SHOALING ALONG NORTH EDGE OF CHANNEL OPPOSITE RED BUOY-6. SHOALING ALSO ALONG SOUTH EDGE OF CHANNEL FROM 800 FEET SEAWARD OF RED BUOY-6.
 B. SHOALING ALONG SOUTH AND EAST PERIMETER OF BASIN, EXTENDING NORTH OF BUOY-10. LEAST DEPTH OCCURRING IN SOUTHEAST CORNER OF BASIN.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION