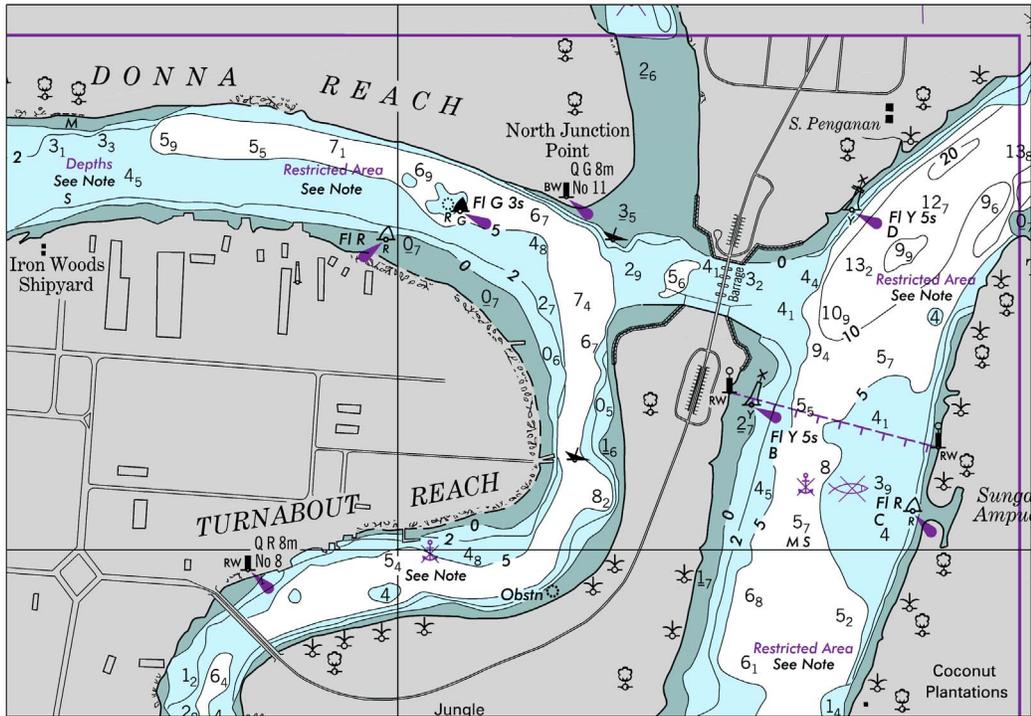


Chart 71348 (Panel B)

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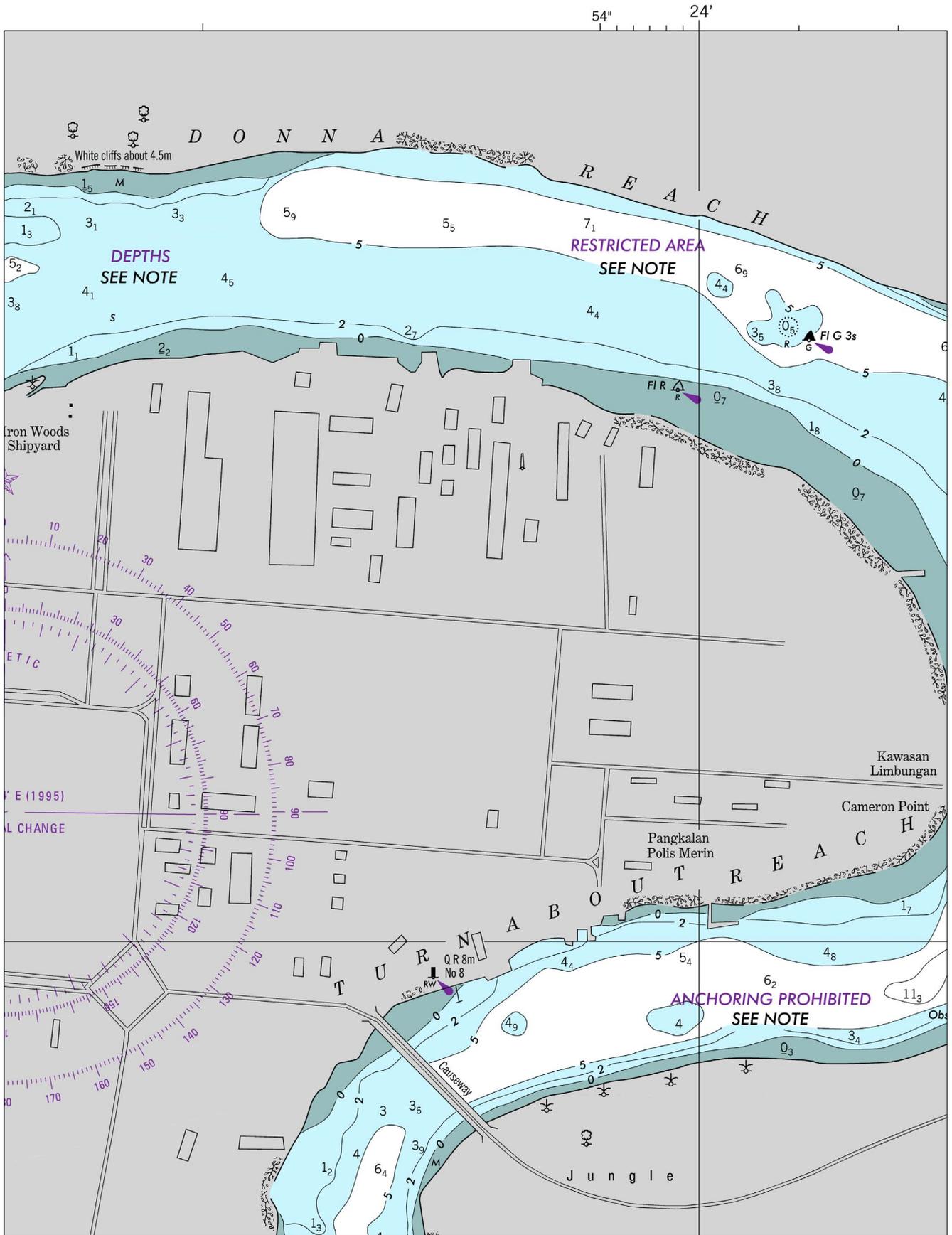
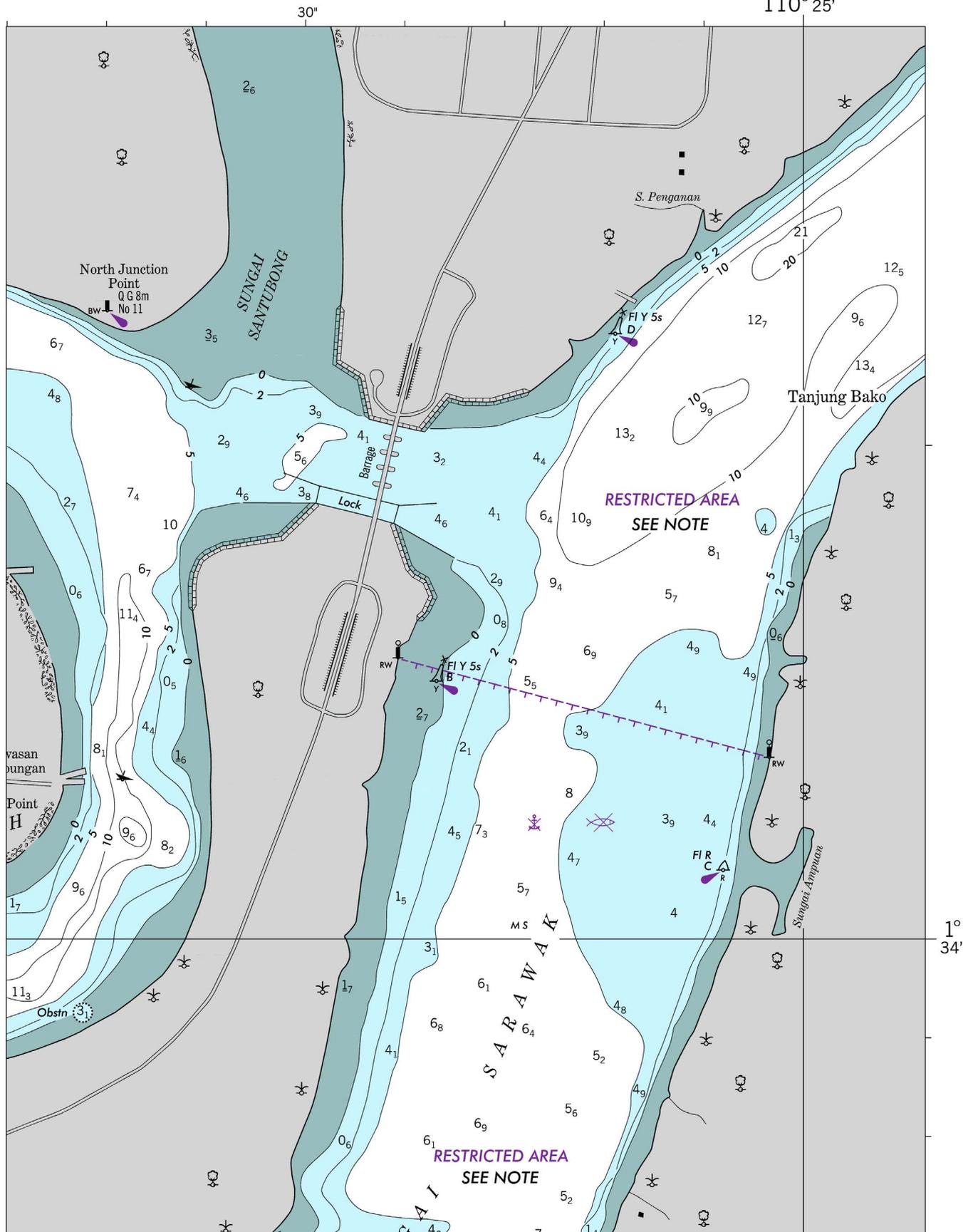


Chart 71349

(B)

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SECTION I

NM 23/03

Chart 11324

NM 23/03

GALVESTON BAY AND HOUSTON SHIP CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2003								
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)
GALVESTON HARBOR:								
ENTRANCE CHANNEL	43.0	46.0	43.0	37.0	9-02	800-1000	7.5	45
OUTER BAR CHANNEL	39.0	45.0	47.0	48.0	9-02	800	1.5	45
INNER BAR CHANNEL	38.0	42.0	43.0	37.0	9-02	800	2.9	45
BOLIVAR ROADS CHANNEL	48.0	48.0	46.0	41.0	9-02	800	0.7	45
HOUSTON SHIP CHANNEL:								
BOLIVAR ROADS TO LOWER END OF MORGAN PT.	36.0	42.0	40.0	32.0	9-02	400-530	23.4	40
GALVESTON CHANNEL	25.0	31.0	34.0	24.0	7-02	1125-1075	3.5	40
TEXAS CITY CHANNEL	35.0	42.0	41.0	37.0	3-03	400	5.9	40
TEXAS CITY TURNING BASIN	37.0	38.0	38.0	37.0	3-03	1200	0.5	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 11332

NM 23/03

SABINE PASS CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2003								
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)
SABINE BANK CHANNEL	39	41	41	34	3-03	800	12.8	42
OUTER BAR CHANNEL	37	42	39	38	2-03	800	3.0	42
JETTY CHANNEL	36	41	40	32	1-03	800-500	3.5	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11341

NM 23/03

SABINE PASS CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2003								
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)
SABINE BANK CHANNEL	39	41	41	34	3-03	800	12.8	42
OUTER BAR CHANNEL	37	42	39	38	2-03	800	3.0	42
JETTY CHANNEL	36	41	40	32	1-03	800-500	3.5	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

SECTION I

NM 23/03

Chart 11342

NM 23/03

SABINE PASS - SABINE - NECHES CANAL CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2003								
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)
SABINE PASS:								
OUTER BAR CHANNEL	37	42	39	38	2-03	800	3.0	42
JETTY CHANNEL	36	41	40	32	1-03	800-500	3.5	40
PASS CHANNEL	25	31	40	31	1-03	500-1150	4.9	40
ANCHORAGE BASIN	33	21	11	1	2-03	1500	0.5	40
PORT ARTHUR SHIP CANAL	36	40	40	36	1-03	500	4.8	40
JUNCTION PORT ARTHUR- SABINE NECHES CANALS	31	38	34	33	1-03	400-1200	1.1	40
ENTRANCE TO PORT ARTHUR								
TURNING BASINS	35	35	35	34	3-03	282-735	0.2	40
EAST TURNING BASIN	37	37	37	38	1-03	370-547	0.3	40
WEST TURNING BASIN	34	34	37	36	3-03	350-735	0.3	40
CHANNEL CONNECTING WEST BASIN AND								
TAYLOR BAYOU TURNING BASIN	37	40	39	38	1-03	200-350	0.5	40
TAYLOR BAYOU TURNING BASIN	30	40	40	36	1-03	90-1233	0.6	40
SABINE-NECHES CANAL:								
PORT ARTHUR TO NECHES RIVER	32	37	35	31	2-03	400	9.6	40
NECHES RIVER TO SABINE RIVER	25	25	23	21	12-02	200	3.9	30
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11545

NM 23/03

MOREHEAD CITY HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 2003								
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)
BEAUFORT INLET CHANNEL FROM 2000 FT NORTH OF LTD. BUOY "8"	44.1	45.0	45.2	42.4	2,3-03	450-800	2.26	47
CUTOFF CHANNEL	48.0	48.7	45.4	41.4	2,3-03	600	0.38	42
MOREHEAD CITY CHANNEL	34.2	44.6	45.6	42.3	3-03	400	1.10	40
TURNING BASIN								
EAST LEG	44.9	43.6	44.5	43.2	3-03	400-870	0.78	40
WEST LEG	34.8	36.1	38.2	39.5	3-03	800-3000	0.59	35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11547

NM 23/03

MOREHEAD CITY HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 2003								
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)
BEAUFORT INLET CHANNEL FROM 2000 FT NORTH OF LTD. BUOY "8"	44.1	45.0	45.2	42.4	2,3-03	450-800	2.26	47
CUTOFF CHANNEL	48.0	48.7	45.4	41.4	2,3-03	600	0.38	42
MOREHEAD CITY CHANNEL	34.2	44.6	45.6	42.3	3-03	400	1.10	40
TURNING BASIN								
EAST LEG	44.9	43.6	44.5	43.2	3-03	400-870	0.78	40
WEST LEG	34.8	36.1	38.2	39.5	3-03	800-3000	0.59	35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

SECTION I

NM 23/03

Chart 12378 (Left Panel)

NM 23/03

CONNECTICUT RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2002 AND SURVEYS TO JAN 2003							
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)
MOUSE ISLAND BAR CHANNEL	16.2	13.9	12.4	1-03	150	0.7	15
PORTLAND BAR CHANNEL	11.9	11.7	13.0	1-03	150	0.3	15
CROMWELL BAR CHANNEL	14.2	13.5	12.5	1-03	150	0.6	15
GILDERSLEEVE ISLAND SHOAL CHANNEL	14.0	13.9	15.1	1-03	150	0.9	15
PISTOL POINT BAR CHANNEL	8.1	9.1	8.1	9-02,1-03	150	0.9	15
BROWNSTONE BAR CHANNEL	14.5	13.2	12.2	8-02	150	0.9	15
DIVIDEND BAR CHANNEL	8.1	8.2	8.6	11-99	150	0.6	15
GLASTONBURY-TWO PIERS BAR CHANNEL	11.7	12.6	13.4	11-99	150	1.2	15
GLASTONBURY UPPER BAR CHANNEL	13.2	12.5	12.7	11-99	150	0.9	15
PRESS BARN BAR CHANNEL	14.5	13.9	13.8	11-99	150	0.1	15
NAUBUC BAR CHANNEL	13.4	13.2	13.0	11-99	150	0.5	15
CYS HOLLOW BAR CHANNEL	17.0	15.7	14.4	11-99	150	0.5	15
WETHERSFIELD SHOAL CHANNEL	11.9	12.2	13.7	11-99	150	0.4	15
CLAY BANKS BAR CHANNEL	11.6	11.8	12.5	11-99	150	1.6	15
HARTFORD BAR CHANNEL	9.4	9.8	10.5	11-99	150	0.4	15

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

Chart 71015

NM 23/03

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 71027

NM 23/03

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 71033

NM 23/03

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 71036

NM 23/03

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 71180

NM 23/03

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 71210

NM 23/03

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 71348 (Panel B)

NM 23/03

RESTRICTED AREA

Vessels are prohibited within 1.5 km of the barrage zone during flushing-in and draining-out. For times of these operations contact Kuching Barrage Management.

Chart 71348 (Panel B)

NM 23/03

ANCHORING PROHIBITED

Anchoring is prohibited in Turnabout Reach (1° 34' 00" N 110° 23' 48" E approx) and in the channel between Warren Point (1° 33' 30" N 110° 22' 30" E approx) and Brooke Dockyard (1° 33' 36" N 110° 20' 18" E approx).

Chart 71348 (Panel B)

NM 23/03

DEPTHS

Depths of water within Sungai Sarawak, upstream of the Barrage, are regulated by Kuching Barrage Management. The regulated depth is referred to Lands and Survey Datum (LSD). Charted depths are referred to Chart Datum, which at Kuching is 2.96m below LSD. Details of regulated depths should be obtained from Kuching Barrage Management.

Chart 71349

NM 23/03

RESTRICTED AREA

Vessels are prohibited within 1.5 km of the barrage zone during flushing-in and draining-out. For times of these operations contact Kuching Barrage Management.

Chart 71349

NM 23/03

DEPTHS

Depths of water within Sungai Sarawak, upstream of the Barrage, are regulated by Kuching Barrage Management. The regulated depth is referred to Lands and Survey Datum (LSD). Charted depths are referred to Chart Datum, which at Kuching is 2.96m below LSD. Details of regulated depths should be obtained from Kuching Barrage Management.

Chart 71400

NM 23/03

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 71410

NM 23/03

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 71420

NM 23/03

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 71430

NM 23/03

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 71440

NM 23/03

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 71455

NM 23/03

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.

Chart 71460

NM 23/03

ASL-ARCHIPELAGIC SEA LANES

Archipelagic Sea Lanes as defined in UNCLOS have been designated in the area of this chart. Use of an ASL is not mandatory. However, vessels exercising archipelagic sea lanes passage shall not deviate more than 25 miles from the charted axis line. Where an island borders the sea lane, ships in the archipelagic sea lanes may not navigate closer to the shore than 10 per cent of the distance between the nearest point on the island and the axis line of the sea lane.

Where a traffic separation scheme exists, rules for the use of the traffic separation schemes still apply. It should be noted that the axis line of the ASL does not indicate the deepest water, any route or recommended track.

For further details, see Sailing Directions.