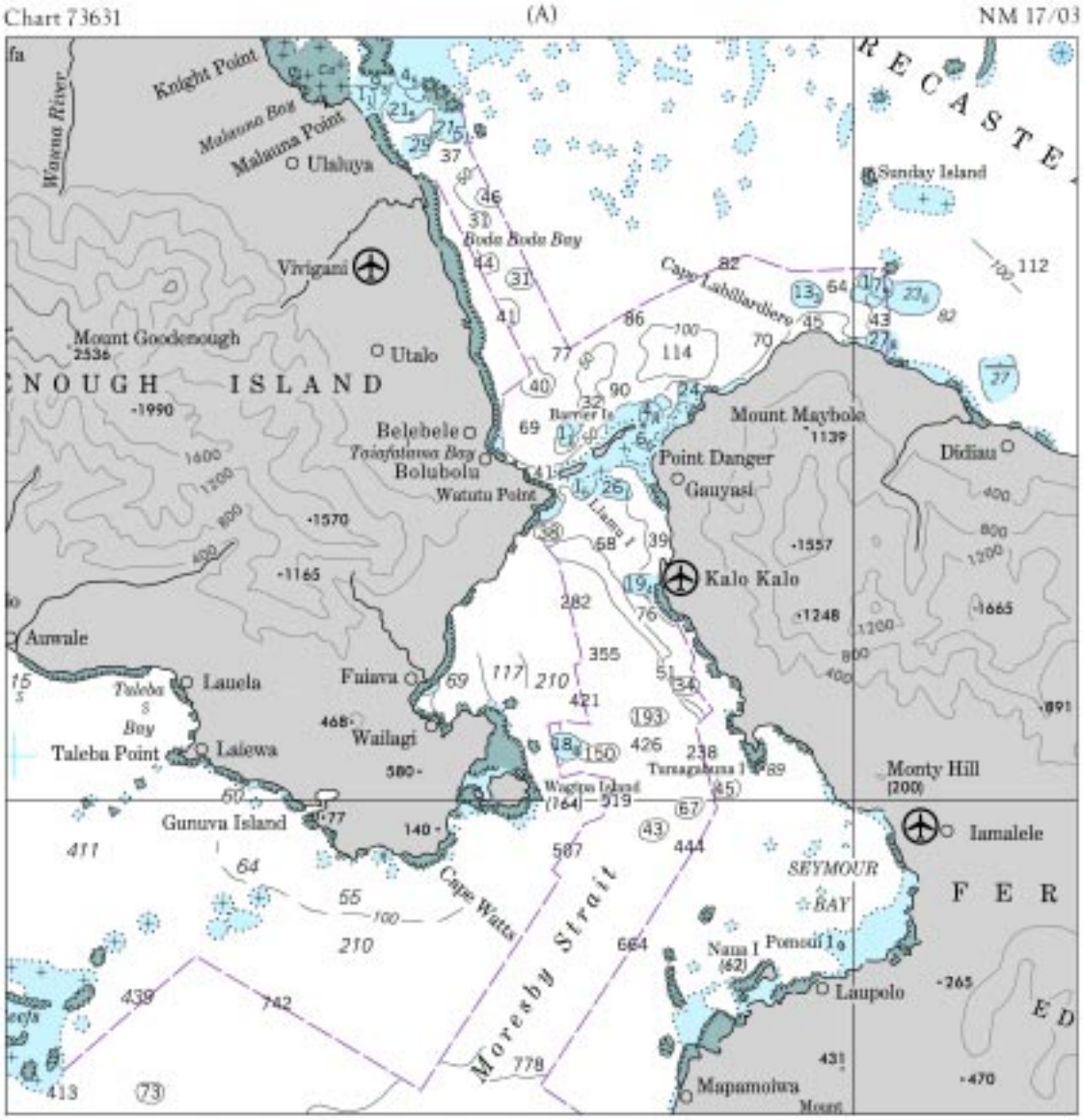
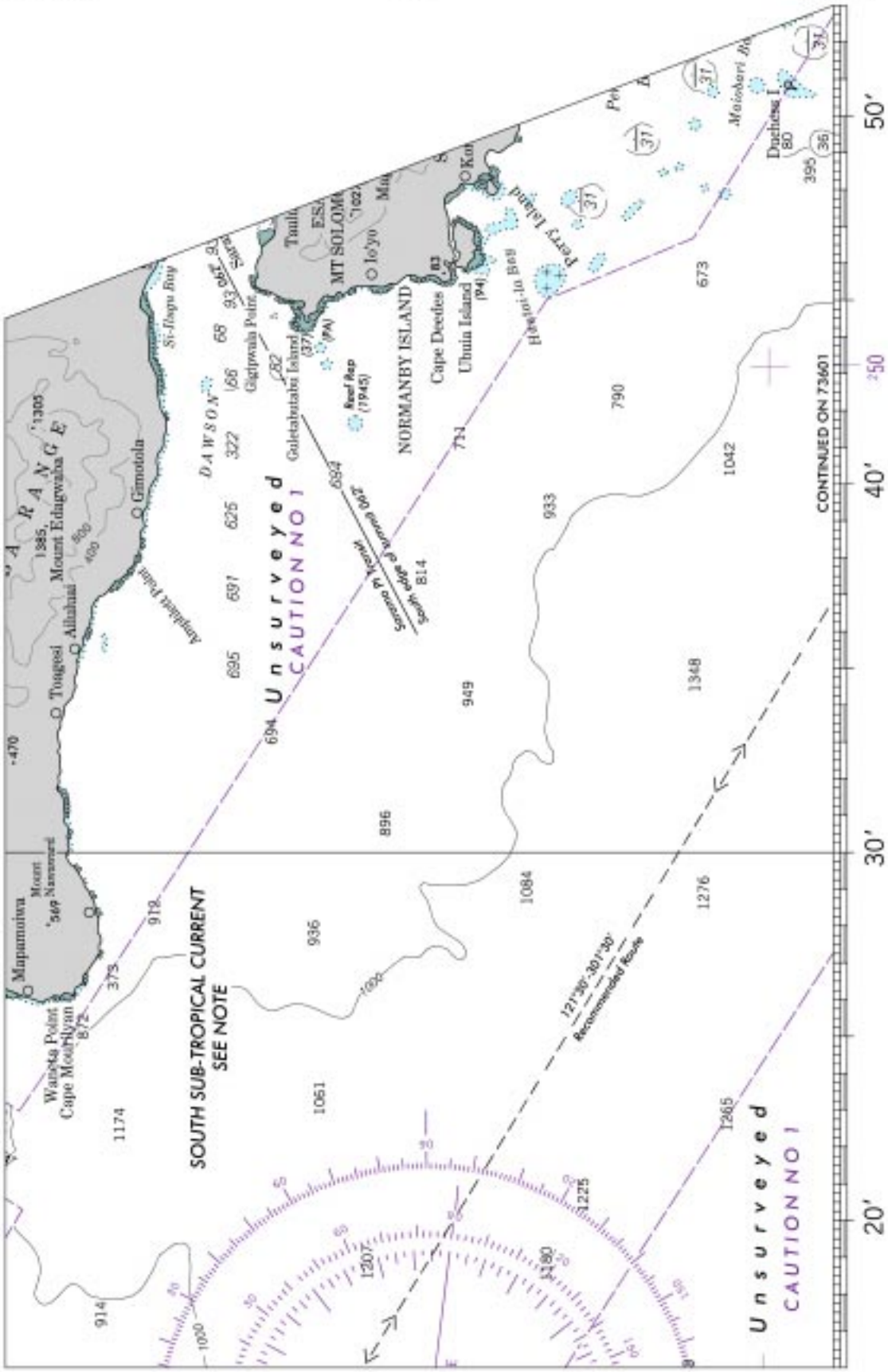


Chart 73631
(A)
NM 17/03
Knight Point
Malauna Bay
Malauna Point
Ulaluya
Wauna River
Vivigani
Boda Boda Bay
Mount Goodenough
Utalo
NOUGH ISLAND
Belebele
Taiafaiama Bay
Bolubolu
Watutu Point
Barrier Is
Point Danger
Gauyasi
Mount Maybole
Didiau
Sunday Island
Cape Labillardiere
Kalo Kalo
Auwale
Lauela
Taleba Bay
Taleba Point
Laiewa
Faiava
Wailagi
Gunuva Island
Cape Watts
Moresby Strait
Wagipa Island
Tumagabuna I
Monty Hill
Iamalele
SEYMOUR BAY
Nana I
Pomoui I
Laupolo
Mapamoiwa
RECASTE
FER
ED

Chart 73631 (B) NM 17/03



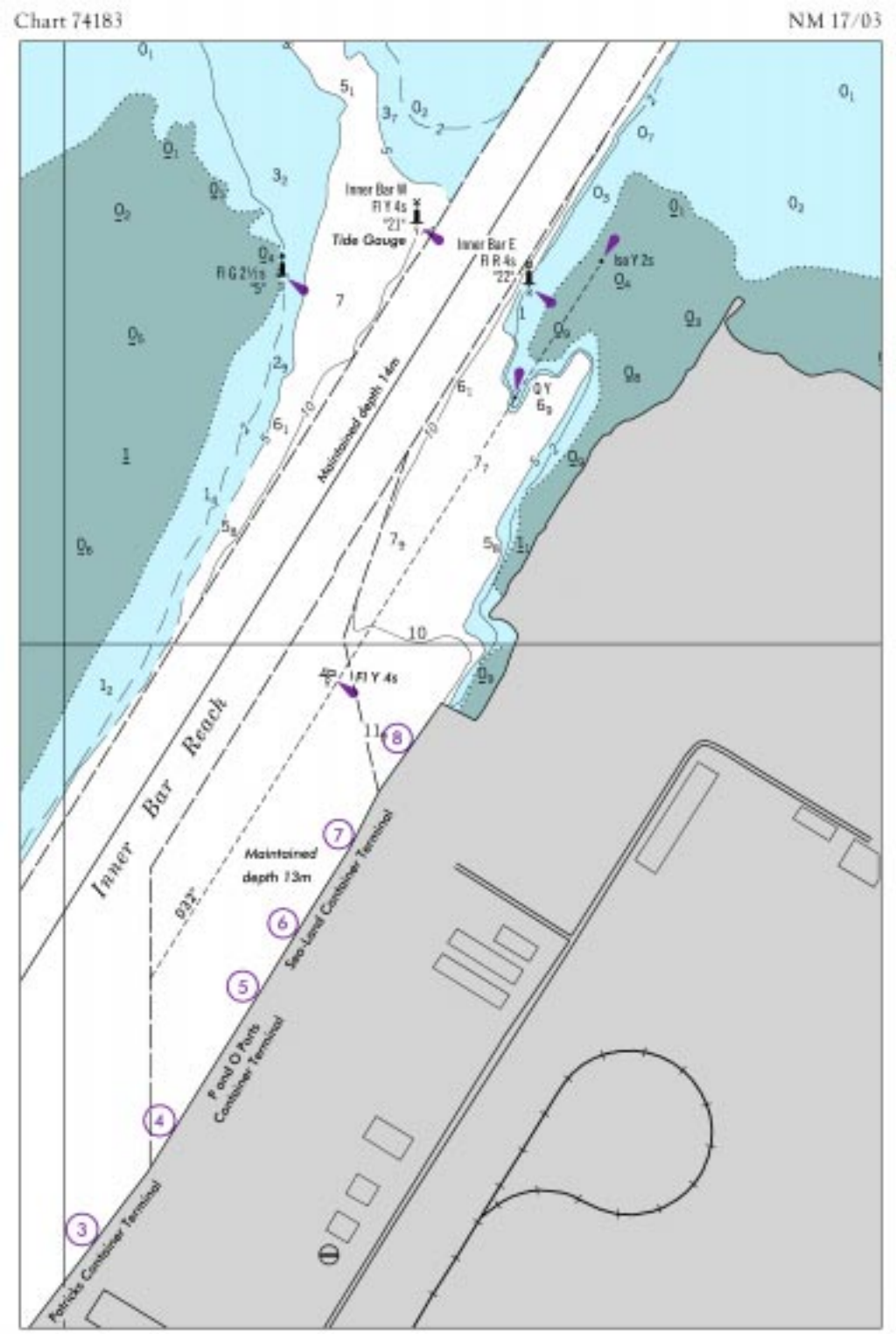
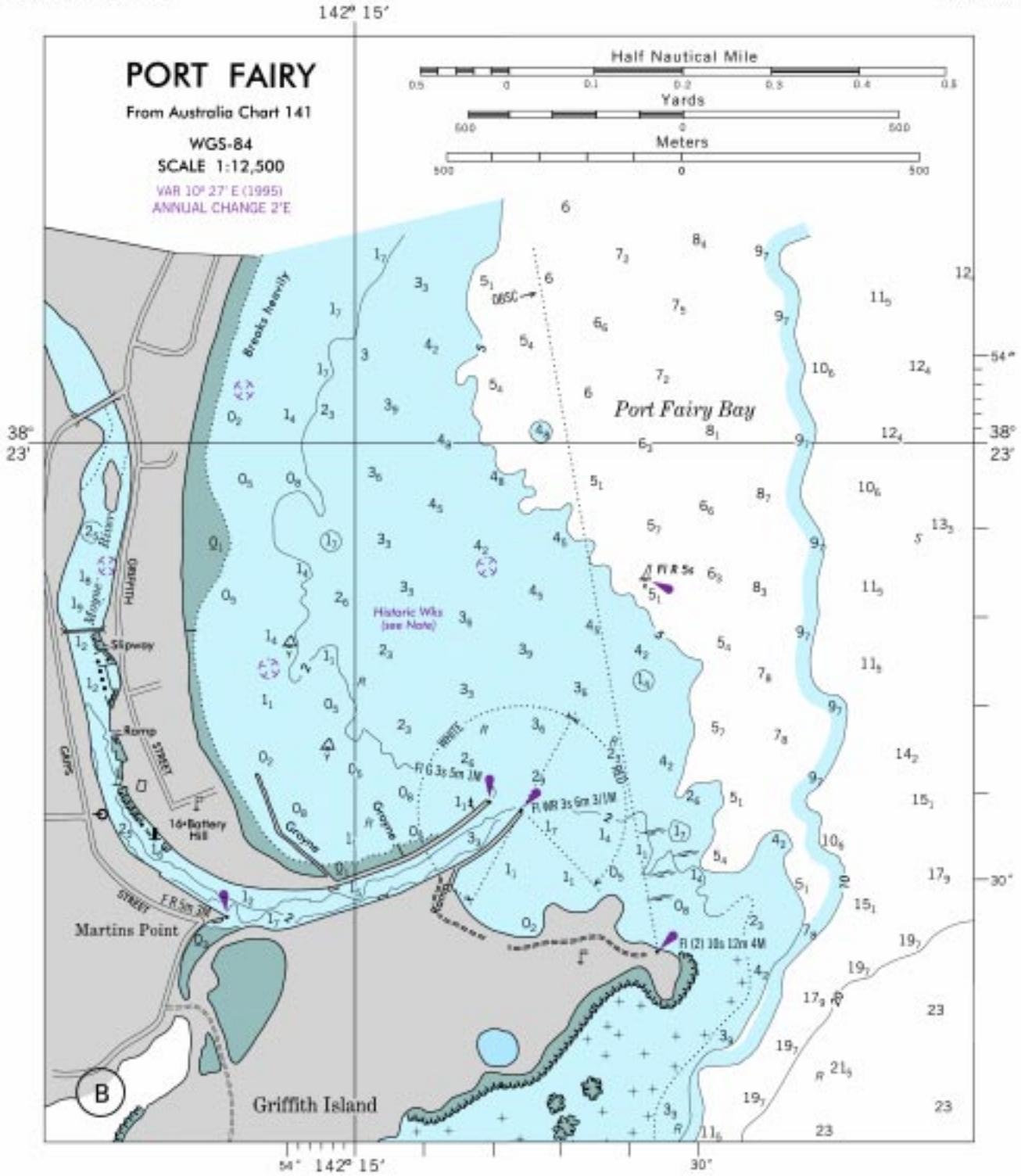


Chart 74183
NM 17/03
Inner Bar W
Fl Y 4s
"21"
Tide Gauge
Inner Bar E
Fl R 4s
"22"
Iso Y 2s
Q Y
Fl Y 4s
Maintained depth 14m
Inner Bar Reach
Maintained depth 13m
Sea-Land Container Terminal
P and O Ports Container Terminal
Patrick Container Terminal
8
7
6
5
4
3

Chart 75160 (Plan B) NM 17/03



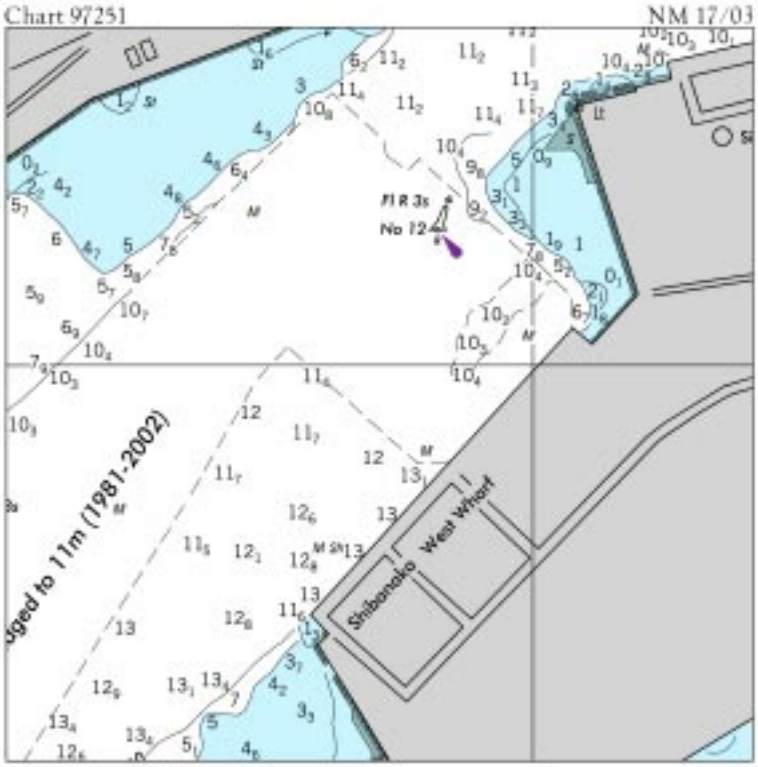


Chart 97251
NM 17/03
Fl R 3s
No 12
Shibanoko West Wharf
dged to 11m (1981-2002)

Chart 11332 NM 17/03

SABINE PASS CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 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	42	43	40	8-02	800	12.8	42
OUTER BAR CHANNEL	38	42	42	42	8-02	800	3.0	42
JETTY CHANNEL	36	41	40	32	1-03	600-500	3.5	40

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

Chart 11341 NM 17/03

SABINE PASS CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 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	42	43	40	8-02	800	12.8	42
OUTER BAR CHANNEL	38	42	42	42	8-02	800	3.0	42
JETTY CHANNEL	36	41	40	32	1-03	600-500	3.5	40

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

Chart 11342 NM 17/03

SABINE PASS - SABINE - NECHES CANAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 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	38	42	42	42	8-02	800	3.0	42
JETTY CHANNEL	36	41	40	32	1-03	600-500	3.5	40
PASS CHANNEL	25	31	40	31	1-03	500-1150	4.9	40
ANCHORAGE BASIN	33	19	13	6	4-02	1500	0.5	40
PORT ARTHUR SHIP CANAL	34	39	37	31	11-01	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	36	37	36	1-03	282-735	0.2	40
EAST TURNING BASIN	37	37	37	38	1-03	370-647	0.3	40
WEST TURNING BASIN	37	36	38	38	1-03	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	24	40	40	37	6-02	90-1233	0.6	40
SABINE-NECHES CANAL:								
PORT ARTHUR TO NECHES RIVER	33	39	41	31	10-02	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 11343 NM 17/03

SABINE AND NECHES RIVERS CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 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-NECHES CANAL :								
PORT ARTHUR TO NECHES RIVER	33	39	41	31	10-02	400	9.6	40
NECHES RIVER TO SABINE RIVER	25	25	29	21	12-02	200	3.9	30
NECHES RIVER:								
MOUTH TO SMITH BLUFF	27	30	32	32	11-02	400	6.3	40
TURNING BASIN AT DEER BAYOU	37	35	32	32	11-02	700	0.2	40
TURNING BASIN AT SMITHS BLUFF	37	36	35	33	11-02	1400-400	0.2	40
SMITH BLUFF TO BEAUMONT	16	25	25	19	11-02	400	7.5	40
TURNING BASIN [30°02'12"N, 94°01'58"W]	34	39	40	37	11-02	400-1300	0.2	40
CHANNEL EXTENSION	35	35	32	28	11-02	350	0.2	36
MANEUVERING AREA [30°04'44"N, 94°05'35"W]	30	39	38	37	11-02	400-1000	0.6	40
BEAUMONT TURNING BASIN	37	37	38	37	11-02	400-535	0.2	34
TURNING BASIN EXTENSION	37	34	31	35	11-02	300	0.2	34
THENCE TO TRINITY INDUSTRIES	19	23	25	18	11-02	200	0.6	30
SABINE RIVER:								
MOUTH TO ORANGE MUNICIPAL SLIP	26	29	30	26	13-02	200	6.6	30
ORANGE TURNING BASIN	26	26	29	28	13-02	200 - 1400	0.6	30
ORANGE MUNICIPAL SLIP	24	30	26	20	9-02	150-200	0.5	30
ORANGE MUNICIPAL SLIP TO OLD HIGHWAY BRIDGE SITE	27	29	32	29	13-02	200	2.2	30
CHANNEL AROUND ORANGE HARBOR ISLAND	13	16	20	18	9-02	150-200	1.6	25

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

Chart 14848 (Left Panel) NM 17/03

DETROIT RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO JUL 2002

CONTROLLING DEPTHS FROM LAKE ERIE 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 (MILES)	DEPTH LWD (FEET)
FIGHTING ISLAND CHANNEL	21.9	26.1	27.1	22.8	6-99	800	4.7	28.5
BALLARDS REEF CHANNEL	23.3	27.9	27.9	22.9A	4-97; 4-99; 7-00; 7-02	600	3.5	28.5
LIVINGSTONE CHANNEL FROM LT "D77" TO 42°05'35"N 83°07'45"W	21.7B	26.9	27.5	21.9C	5-98; 6,7-00; 8-02	450	8.1	27.7
LIVINGSTONE CHANNEL FROM 42°05'35"N 83°07'45"W TO 42°04'07"N 83°07'56"W	13.6	27.9	27.9	20.3	9-02	450	1.7	27.7
LIVINGSTONE CHANNEL FROM 42°04'07"N 83°07'56"W TO 42°03'06"N 83°08'06"W	21.3	28.8	28.8	20.0	6-02	450-600	1.1	27.7
LIVINGSTONE CHANNEL FROM 42°03'08"N 83°08'06"W TO LT "D30"	23.0	28.8	28.8	26.0	7-02	800	1.7	28.5
AMHERSTBURG CHANNEL FROM LT "D71" TO LT BUOY "D50"	26.8D	26.9	20.6	19.3	5-02	600	2.4	RT HALF 21.0 LT HALF 27.5
AMHERSTBURG CHANNEL FROM LT BUOY "D50" TO LT "D30"	25.6	25.0E	20.3	18.7	6,7-01; 7-02	400-700	4.5	RT HALF 21.0 LT HALF 27.5
LIVINGSTONE CHANNEL FROM LT "D30" TO 42°00'30"N 83°08'26"W	20.3	28.7	28.5	25.9	7-06; 7-02	1200	1.5	28.0
EAST OUTER CHANNEL	23.9	27.0	27.6	23.8	5-91; 6-99	1200	7.5	28.5
WEST OUTER CHANNEL	F	F	F	F	1987	800	4	22.0

A. SHOALING TO 13.1 FEET IN THE OUTSIDE 60 FEET OF QUARTER
B. SHOALING TO 4.2 FEET IN THE OUTSIDE 30 FEET OF THE U.S. PORTION OF QUARTER
C. SHOALING TO 4.9 FEET IN THE OUTSIDE 30 FEET OF THE U.S. PORTION OF QUARTER
D. SHOALING TO 17.0 FEET IN THE OUTSIDE 30 FEET OF QUARTER
E. SHOALING TO 21.3 FEET IN THE INSIDE 50 FEET OF QUARTER
F. NOT SURVEYED RECENTLY

NOTE: CONSULT THE U.S. ARMY CORPS OF ENGINEERS FOR SUBSEQUENT CHANGES IN U.S. WATERS AND THE CANADIAN HYDROGRAPHIC SERVICE FOR CHANGES IN CANADIAN WATERS

Chart 14853 (Page 1) NM 17/03

DETROIT RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO JUL 2002

CONTROLLING DEPTHS FROM LAKE ERIE 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 (MILES)	DEPTH LWD (FEET)
FIGHTING ISLAND CHANNEL	21.9	28.1	27.1	22.6	6-99	800	4.7	28.5
BALLARDS REEF CHANNEL	23.3	27.9	27.9	22.9A	4-97; 4-99; 7-00; 7-02	600	3.5	28.5
LIVINGSTONE CHANNEL FROM LT "D77" TO 42°05'35"N 83°07'45"W	21.7B	28.8	27.5	21.0C	5-96; 6,7-00; 6-02	450	3.1	27.7
LIVINGSTONE CHANNEL FROM 42°05'35"N 83°07'45"W TO 42°04'07"N 83°07'56"W	13.E	27.9	27.9	20.3	6-02	450	1.7	27.7
LIVINGSTONE CHANNEL FROM 42°04'07"N 83°07'56"W TO 42°03'06"N 83°08'05"W	21.3	28.8	28.8	20.0	6-02	450-800	1.1	27.7
LIVINGSTONE CHANNEL FROM 42°03'50"N 83°08'05"W TO LT "D30"	23.0	28.8	28.8	26.0	7-02	600	1.7	28.5
AMHERSTBURG CHANNEL FROM LT "D71" TO LT BUOY "D56"	26.0D	28.9	29.8	19.3	5-02	600	2.4	RT HALF 21.0 LT HALF 27.5
AMHERSTBURG CHANNEL FROM LT BUOY "D56" TO LT "D30"	26.6	25.8E	28.3	19.7	6,7-01; 7-02	400-700	4.5	RT HALF 21.0 LT HALF 27.5
LIVINGSTONE CHANNEL FROM LT "D30" TO 42°06'20"N 83°09'25"W	28.3	28.7	29.5	26.9	7-96; 7-02	1200	1.5	29.0

A. SHOALING TO 13.1 FEET IN THE OUTSIDE 50 FEET OF QUARTER
B. SHOALING TO 4.2 FEET IN THE OUTSIDE 30 FEET OF THE U.S. PORTION OF QUARTER
C. SHOALING TO 4.8 FEET IN THE OUTSIDE 30 FEET OF THE U.S. PORTION OF QUARTER
D. SHOALING TO 17.0 FEET IN THE OUTSIDE 20 FEET OF QUARTER
E. SHOALING TO 21.3 FEET IN THE INSIDE 50 FEET OF QUARTER

NOTE: CONSULT THE U.S. ARMY CORPS OF ENGINEERS FOR SUBSEQUENT CHANGES IN U.S. WATERS AND THE CANADIAN HYDROGRAPHIC SERVICE FOR CHANGES IN CANADIAN WATERS

Chart 14854 NM 17/03

DETROIT RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO JUL 2002

CONTROLLING DEPTHS FROM LAKE ERIE 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 (MILES)	DEPTH LWD (FEET)
FIGHTING ISLAND CHANNEL	21.9	28.1	27.1	22.6	6-99	800	4.7	28.5
BALLARDS REEF CHANNEL	23.3	27.9	27.9	22.9A	4-97; 4-99; 7-00; 7-02	600	3.5	28.5

A. SHOALING TO 13.1 FEET IN THE OUTSIDE 50 FEET OF QUARTER

NOTE: CONSULT THE US ARMY CORPS OF ENGINEERS FOR SUBSEQUENT CHANGES IN U.S. WATERS AND THE CANADIAN HYDROGRAPHIC SERVICE FOR CHANGES IN CANADIAN WATERS

Chart 51263 NM 17/03

TIDAL INFORMATION

Place	Height above datum of soundings			
	Mean High Water		Mean Low Water	
	Springs	Neaps	Springs	Neaps
Funchal	meters 2.3	meters 1.8	meters 0.4	meters 0.9

Chart 74251 NM 17/03

MILITARY EXERCISE AREA

Gunnery exercises and other military practices take place within the limits of this chart. For details, see Sailing Directions.