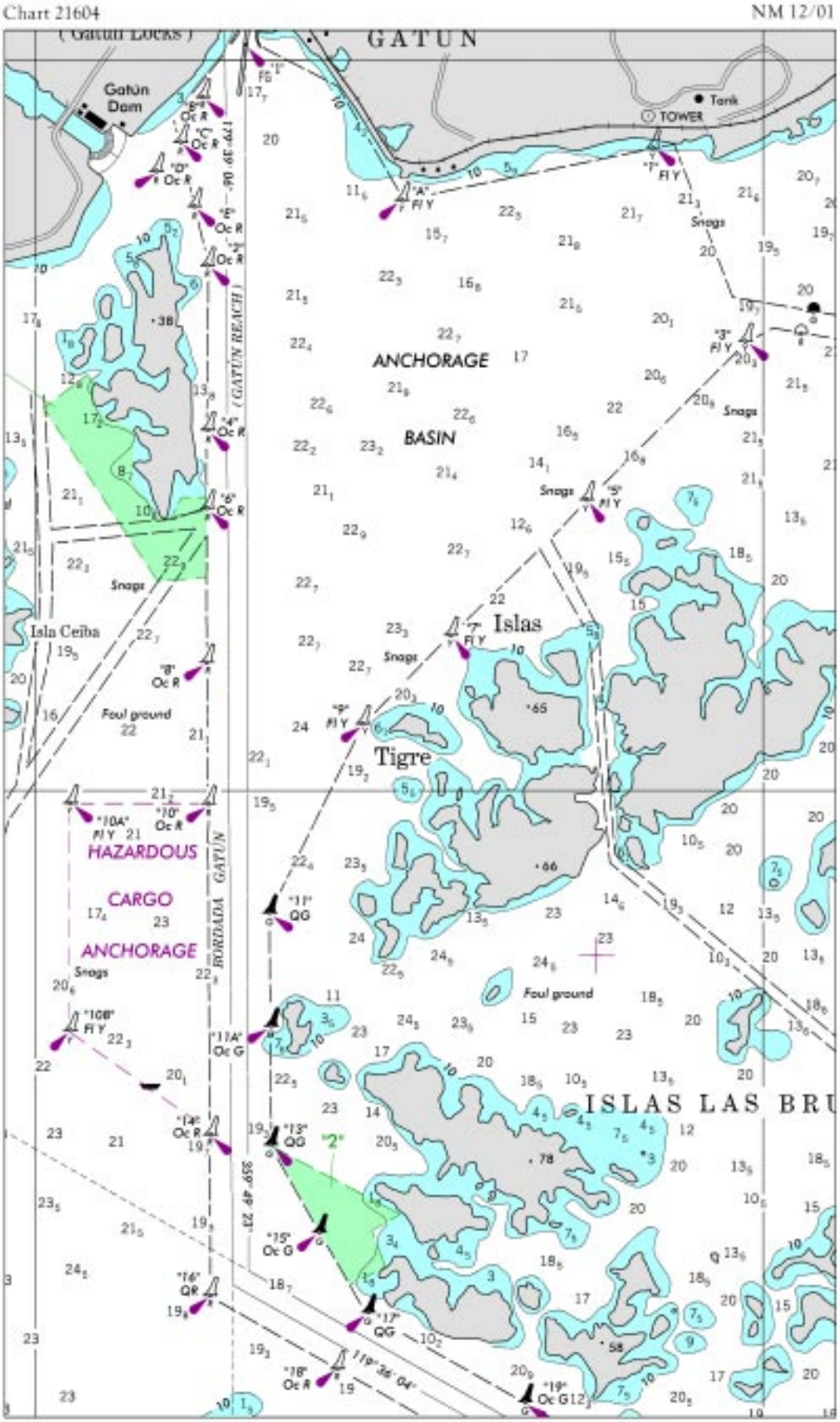
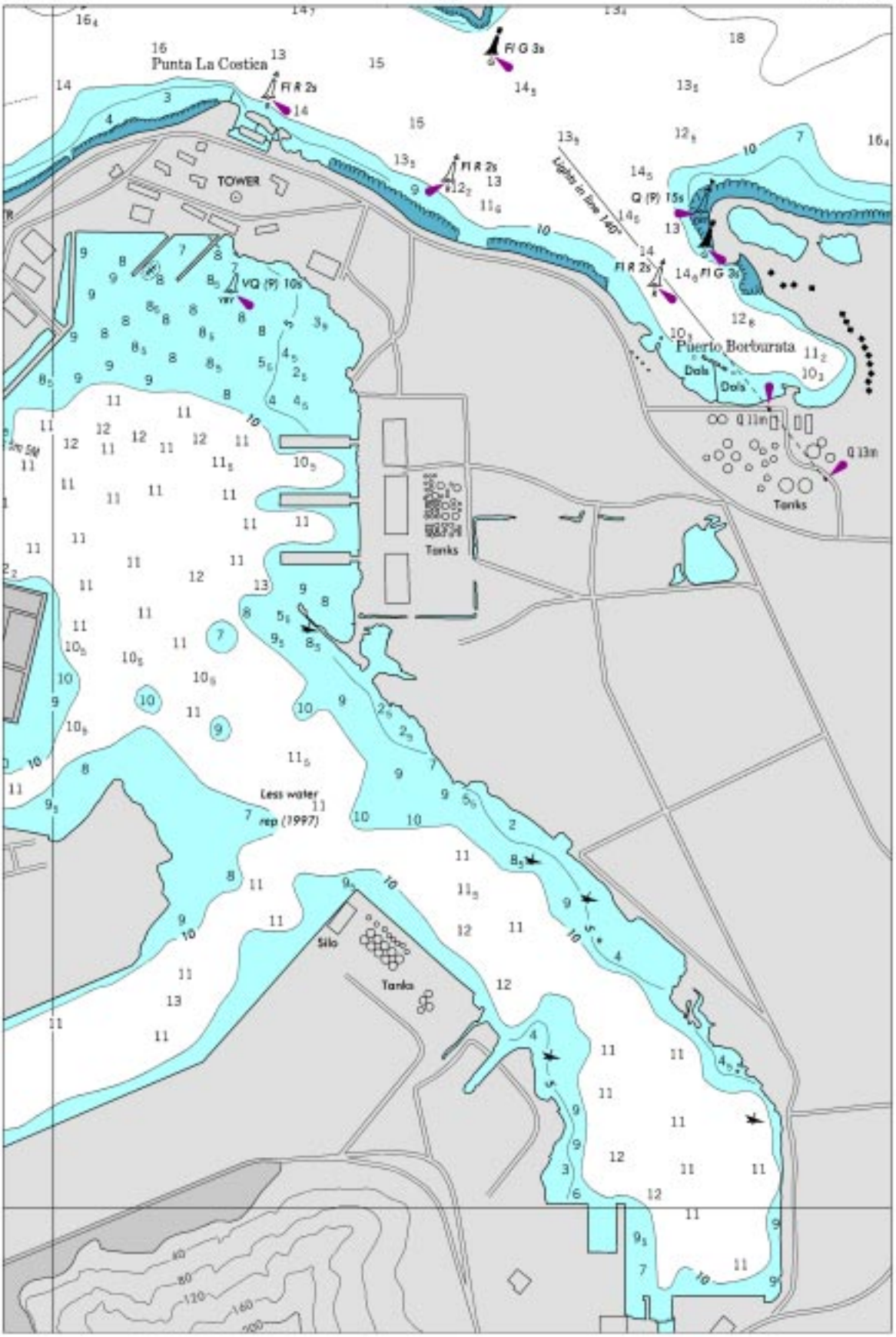


Chart 21604
NM 12/01
GATUN
Gatun Dam
Tank
TOWER
ANCHORAGE
BASIN
(GATUN REACH)
Snags
Isla Ceiba
Islas
Tigre
Foul ground
HAZARDOUS
CARGO
ANCHORAGE
BORDADA GATUN
ISLAS LAS BRU

Chart 24454 (A) NM 12/01



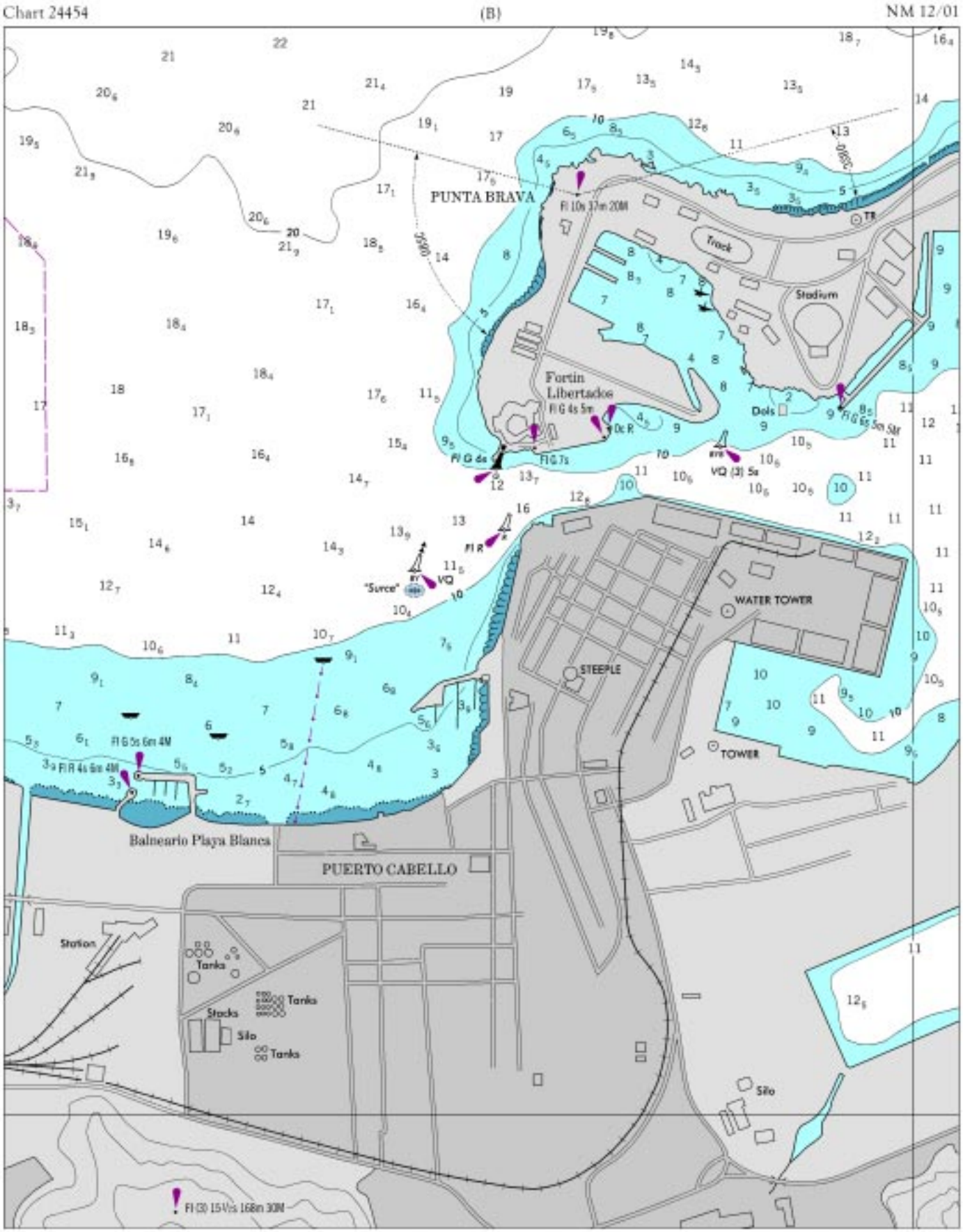
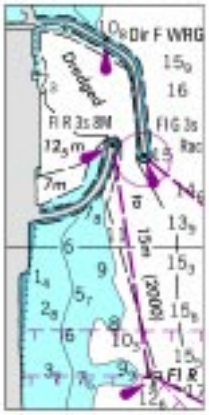


Chart 24454
(B)
NM 12/01
PUNTA BRAVA
Fl 10s 37m 20M
Track
Stadium
Fortin Libertadore
Fl G 4s 5m
Dc R
Fl G 6s
Fl G 7s
Dols
Fl G 6s 5m Str
VQ (3) 5s
Fl R
"Surce"
VQ
WATER TOWER
STEEPLE
TOWER
Fl G 5s 6m 4M
Fl R 4s 6m 4M
Balneario Playa Blanca
PUERTO CABELLO
Station
Tanks
Stacks
Silo
Fl (3) 15 Vis 168m 30M

Chart 62366 NM 12/01



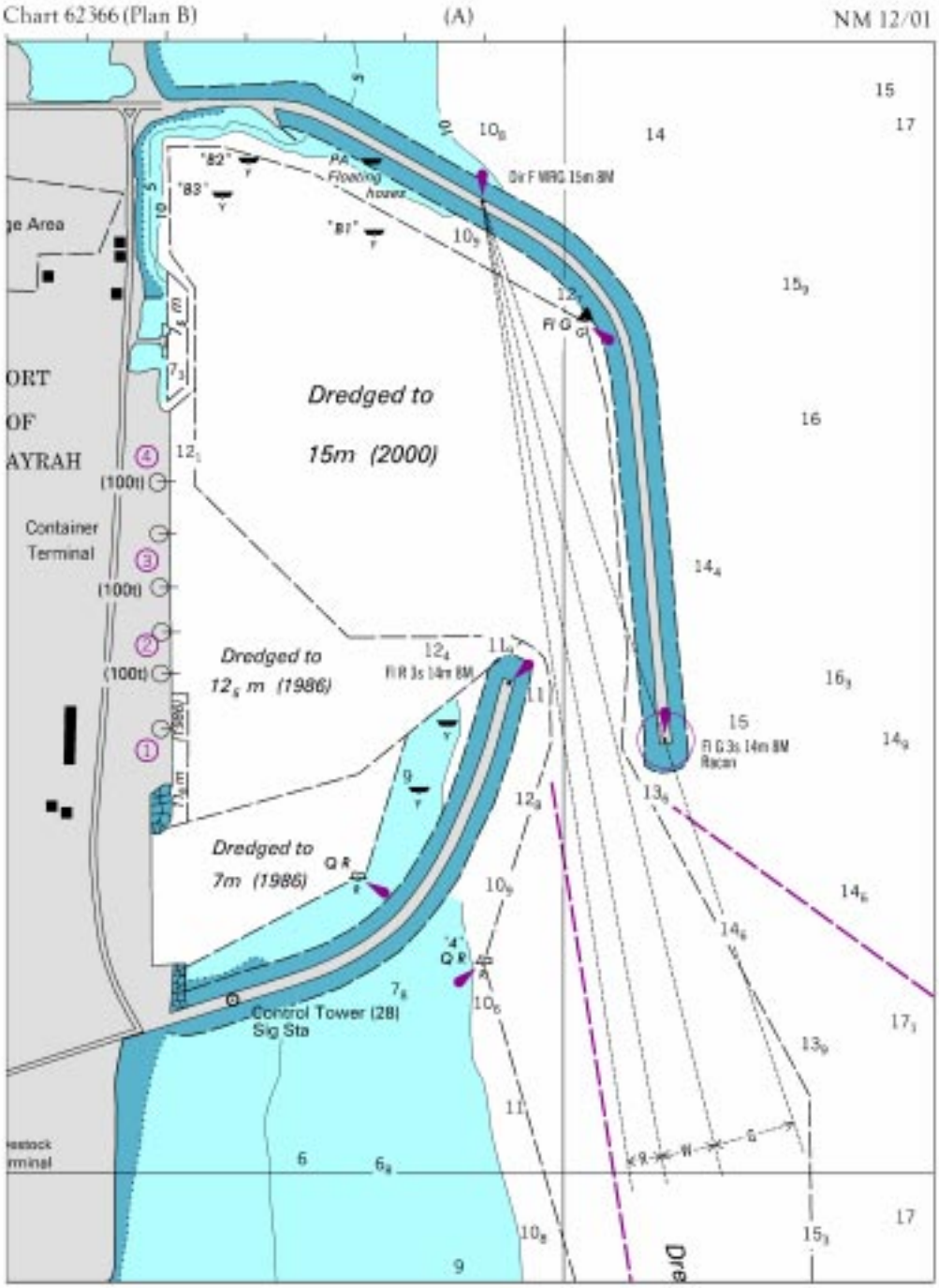


Chart 62366 (Plan B)
(A)
NM 12/01
Dredged to
15m (2000)
Dredged to
12.5 m (1986)
Dredged to
7m (1986)
Container
Terminal
Control Tower (28)
Sig Sta
Floating
houses
Dir F WRG 15m 8M
Fl G 3s 14m 8M
Racon
Fl R 3s 14m 8M
ORT
OF
AYRAH

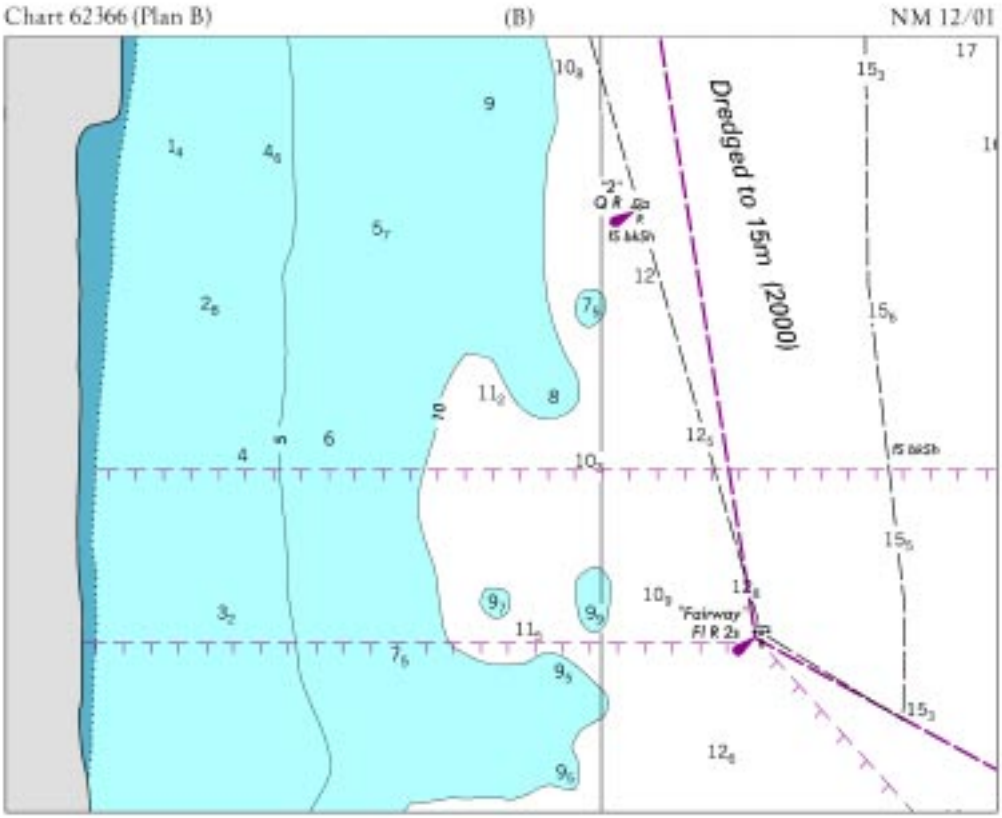


Chart 62366 (Plan B)
(B)
NM 12/01
Dredged to 15m (2000)
"Fairway"
Fl R 2s

Chart 11305 NM 12/01

CORPUS CHRISTI CHANNEL DEPTHS
Tabulated from surveys by the Corps of Engineers - Report of December 2000

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 (Nautical Miles)	Depth MLLW (Feet)
Aransas Pass Outer Bar	47	47	47	47	5-00	700-600	2.42	47
Jetty Channel to Cline Point	51	47	47	51	5-00	600	1.28	47-45
Inner Basin of Harbor Island	47	47	47	47	5-00	600-1559	0.5	45
Cline Point to West End Humble Oil Co. Basin	46	47	47	46	5-00	600	0.5	45
Thence to Corpus Christi	41	44	44	42	7, 8-00	600-300	18.3	45
Channel to La Quinta	37	43	42	39	3-00	300-400	4.7	45

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

Chart 11309 NM 12/01

CORPUS CHRISTI CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2000

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)
ARANSAS PASS OUTER BAR	47.0	47.0	47.0	47.0	5-00	700-600	2.42	47
JETTY CHANNEL TO CLINE POINT	51.0	47.0	47.0	51.0	5-00	600	1.28	47-45
INNER BASIN AT HARBOR ISLAND	47.0	47.0	47.0	47.0	5-00	600-1559	0.5	45
CLINE POINT TO WEST END HUMBLE OIL CO. BASIN	46.0	47.0	47.0	46.0	5-00	600	0.5	45
THENCE TO CORPUS CHRISTI	41.0	44.0	44.0	42.0	7-00;8-00	600-300	18.3	45
CHANNEL TO LA QUINTA	37.0	43.0	42.0	39.0	3-00	300-400	4.7	45
TURNING BASIN	40.0	45.0	46.0	45.0	3-00	1200	.35	45

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

Chart 11310 NM 12/01

CORPUS CHRISTI CHANNEL DEPTHS
Tabulated from surveys by the Corps of Engineers - Report of December 2000

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 (Nautical Miles)	Depth MLLW (Feet)
Aransas Pass Outer Bar	47	47	47	47	5-00	700-600	2.42	47
Jetty Channel to Cline Point	51	47	47	51	5-00	600	1.28	47-45
Inner Basin of Harbor Island	47	47	47	47	5-00	600-1559	0.5	45
Cline Point to West End Humble Oil Co. Basin	46	47	47	46	5-00	600	0.5	45
Thence to Corpus Christi	41	44	44	42	7, 8-00	600-300	18.3	45
Channel to La Quinta	37	43	42	39	3-00	300-400	4.7	45

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

Chart 11311 NM 12/01

CORPUS CHRISTI CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2000

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)
W END OF HUMBLE OIL CO. BASIN TO CORPUS CHRISTI	41.0	44.0	44.0	42.0	7-00;8-00	600-300	18.3	45
CORPUS CHRISTI TURNING BASIN	45.0	45.0	45.0	45.0	7-00	300-800	0.96	45
INDUSTRIAL CANAL	44.0	45.0	45.0	44.0	7-00	400	0.7	45
AVERY POINT TURNING BASIN	43.0	44.0	44.0	43.0	7-00	400-975	0.3	45
CHEMICAL TURNING BASIN	44.0	44.0	44.0	44.0	7-00	400-1200	0.3	45
TULE LAKE CHANNEL	43.0	44.0	44.0	42.0	7-00	200-400	3.5	45
TULE LAKE TURNING BASIN	44.0	45.0	45.0	42.0	7-00	300-1200	0.3	45
CHANNEL TO VIOLA	44.0	45.0	45.0	43.0	7-00	200-300	1.6	45
VIOLA TURNING BASIN	47.0	47.0	47.0	42.0	7-00	700-900	0.16	45

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

Chart 11312 NM 12/01

CORPUS CHRISTI CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2000

CONTROLLING DEPTHS FROM SEAWARD IN METERS 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 (METERS)	LENGTH (NAUT. MILES)	DEPTH MLLW (METERS)
ARANSAS PASS OUTER BAR	14.3	14.3	14.3	14.3	5-00	213-183	2.42	14.3
JETTY CHANNEL TO CLINE POINT	15.5	14.3	14.3	15.5	5-00	183	1.28	14.3-13.7
INNER BASIN AT HARBOR ISLAND	14.3	14.3	14.3	14.3	5-00	183-475	0.5	13.7
CLINE POINT TO WEST END HUMBLE OIL CO. BASIN	14.0	14.3	14.3	14.0	5-00	183	0.5	13.7
THENCE TO CORPUS CHRISTI	12.5	13.4	13.4	12.8	7-00;8-00	183-91	18.3	13.7
CHANNEL TO LA QUINTA	11.3	13.1	12.8	11.9	3-00	91-121	4.7	13.7

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

Chart 11318 NM 12/01

CORPUS CHRISTI CHANNEL DEPTHS
Tabulated from surveys by the Corps of Engineers - Report of December 2000

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 (Nautical Miles)	Depth MLLW (Feet)
Avery Point Turning Basin	43	44	44	43	7-00	400-975	0.3	45
Industrial Canal	44	45	45	44	7-00	400	0.7	45
Corpus Christi Turning Basin	45	45	45	45	7-00	300-800	0.96	45
Corpus Christi Channel	41	44	44	42	7, 8-00	600-300	18.3	45
La Quinta Channel	37	43	42	39	3-00	300-400	4.7	45
La Quinta Turning Basin	40	45	46	45	3-00	1200	0.35	45

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

Chart 11323 NM 12/01

GALVESTON BAY ENTRANCE - CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2000

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	46.0	47.0	48.0	43.0	9-00	800	4.8	42
OUTER BAR CHANNEL	45.0	47.0	47.0	43.0	9-00	800	1.7	42
INNER BAR CHANNEL	43.0	45.0	45.0	42.0	9-00	800	3.3	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 11324 NM 12/01

GALVESTON BAY AND HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2000

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	46.0	47.0	48.0	43.0	9-00	800	4.2	42
OUTER BAR CHANNEL	45.0	47.0	47.0	43.0	9-00	800	1.5	42
INNER BAR CHANNEL	43.0	45.0	45.0	42.0	9-00	800	2.9	40
BOLIVAR ROADS CHANNEL	43.0	43.0	41.0	36.0	10-99	800	0.78	40
HOUSTON SHIP CHANNEL								
BOLIVAR ROADS TO LOWER								
END OF MORGAN PT.	35.0	42.0	38.0	30.0	2-00; 3-00;10-00	400	22.0	40
GALVESTON CHANNEL	37.0	42.0	42.0	36.0	5-00;6-00;7-00	1125-1075	3.6	40
TEXAS CITY CHANNEL	37.0	41.0	40.0	37.0	8-00	400	5.3	40
TEXAS CITY TURNING BASIN	39.0	41.0	42.0	41.0	8-00	1200	0.6	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 11327 NM 12/01

GALVESTON BAY AND HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2000

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)
HOUSTON SHIP CHANNEL:								
BOLIVAR ROADS TO LOWER END								
OF MORGAN POINT	35.0	42.0	38.0	30.0	2-00; 3-00;10-00	400	22.0	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 11328 NM 12/01

GALVESTON BAY AND HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2000

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)
HOUSTON SHIP CHANNEL:								
BOLIVAR ROADS TO LOWER END OF MORGAN POINT	35.0	42.0	38.0	30.0	2-00; 3-00;10-00	400	22.0	40
LOWER END OF MORGAN PT. TO EXXON OIL CO. SLIP	30.0	37.0	37.0	30.0	3-00	400-525	4.2	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 11521 NM 12/01

CHARLESTON HARBOR ENTRANCE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2000 AND SURVEYS TO AUG 2000

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)
FORT SUMTER RANGE	42.6	41.6	42.8	41.9	2-99	1000	9.0	42
MOUNT PLEASANT RANGE	41.2	44.9	45.6	44.4	8-00	1000-600	1.6	40

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

Chart 11523 NM 12/01

CHARLESTON HARBOR ENTRANCE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2000 AND SURVEYS TO AUG 2000

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)
FORT SUMTER RANGE	42.6	41.6	42.8	41.9	2-99	1000	9.0	42
MOUNT PLEASANT RANGE	41.2	44.9	45.6	44.4	8-00	1000-600	1.6	40

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

Chart 11524 NM 12/01

CHARLESTON HARBOR, COOPER RIVER AND SHIPYARD RIVER

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT TO NOV 2000 AND SURVEYS TO OCT 2000

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)
FORT SUMTER RANGE	42.6	41.6	42.8	41.9	2-99	1000	9.0	42
MOUNT PLEASANT RANGE	41.2	44.9	45.6	44.4	8-00	1000-600	1.6	40
REBELLION REACH	40.6	42.7	43.0	31.2	8,9-00	600	1.9	40
FOLLY REACH	38.1	41.2	41.4	31.2	8,9-00	600	0.5	40
SHUTES REACH	43.2	45.0	41.9	41.1	8,9-00	800	0.3	40
HORSE REACH	41.3	44.3	43.0	38.7	8,9-00	800	0.5	40
CUSTOMHOUSE REACH	34.6	44.2	47.4	44.2	8,9-00	1385	0.2	40
SOUTH CHANNEL	24.4	24.8	24.5	A24.3	10-96	600-1000	3.1	35
HOG ISLAND REACH	38.3	41.8	38.6	34.1	8,9-00	600-1300	1.3	40
DRUM ISLAND REACH	33.7	38.4	45.9	42.4	8-00	600-1300	1.0	40
TOWN CREEK LOWER REACH	36.0	39.7	40.0	36.4	8,9-00	400-450	1.1	40
TURNING BASIN	37.5	38.9	39.2	32.5	8,9-00	1500	0.25	40
TOWN CREEK UPPER REACH	48.0	39.4	40.4	45.9	12-94, 9-00	500-600	1.0	40
MYERS BEND	40.6	46.9	46.3	47.6	8-00	600-900	0.8	40
DANIEL ISLAND REACH	41.3	36.7	33.0	41.1	8-00	600-800	1.0	40
DANIEL ISLAND BEND	38.9	41.3	41.8	40.7	7,8-00	700	0.6	40
CLOUTER CREEK REACH	38.3	40.7	40.2	35.5	7,8-00	600	0.9	40
NAVY YARD REACH	33.9	41.4	41.3	32.7	7,8-00	600-700	1.1	40
NORTH CHARLESTON REACH	35.4	41.9	42.3	38.9	7-00	500-600	1.0	40
FILBIN CREEK REACH	33.5	40.5	41.3	39.0	7-00	500	0.6	40
PORT TERMINAL REACH	35.1	42.2	41.0	40.7	7-00	600	0.7	40
ORDNANCE REACH	39.4	37.7	38.1	39.2	7-00	300	0.3	40
ORDNANCE REACH TURNING BASIN	41.3	40.4	36.8	36.1	7-00	1100	0.26	40
WANDO RIVER								
LOWER REACH	46.0	47.1	47.2	45.9	8-00	1500-400	1.3	40
UPPER REACH	37.0	44.5	37.0	35.8	8-00	400-850	.74	40
TURNING BASIN	37.2	42.5	45.1	46.3	8-00	550	.3	40
SHIPYARD CREEK								
MAIN CHANNEL	26.2	27.4	29.0	27.2	8,10-00	1200-300	1.0	30
LOWER TURNING BASIN	37.9	38.9	40.0	40.8	8,10-00	700	0.2	38
UPPER TURNING BASIN	22.0	23.4	23.7	24.7	8,10-00	600	0.15	30
COOPER RIVER								
RANGE A	38.7	37.4	38.3	38.9	7,8-98;12-99	400-1350	1.02	35
RANGE B	20.5	25.2	36.4	37.0	12-99	VARIES	.74	35
RANGE C	20.6	26.1	38.3	36.1	7,8-98;12-99;1-00	VARIES	.76	35
RANGE D	30.2	37.4	37.8	37.1	2-00	VARIES	.58	35
RANGE E	32.1	34.8	38.2	36.3	1-95	VARIES	.38	35
RANGE F	25.0	36.6	35.2	33.9	1-95	VARIES	.29	35

A. ALONG CHANNEL EDGE.

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