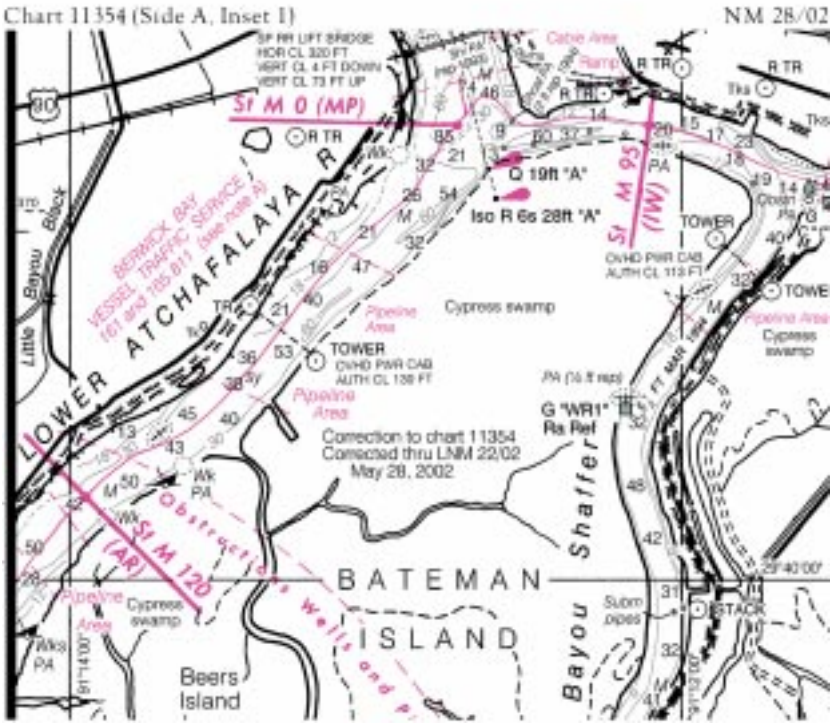


Chart 11354 (Side A, Inset 1)
NM 28/02
St M 0 (MP)
St M 95 (IW)
St M 120 (AR)
Q 19ft "A"
Iso R 6s 28ft "A"
G "WR1"
Rs Ref
LOWER ATCHAFALAYA R
Little Bayou Black
Shaffer
Bayou
BATEMAN ISLAND
Beers Island
Cypress swamp
Pipeline Area
Correction to chart 11354
Corrected thru LNM 22/02
May 28, 2002

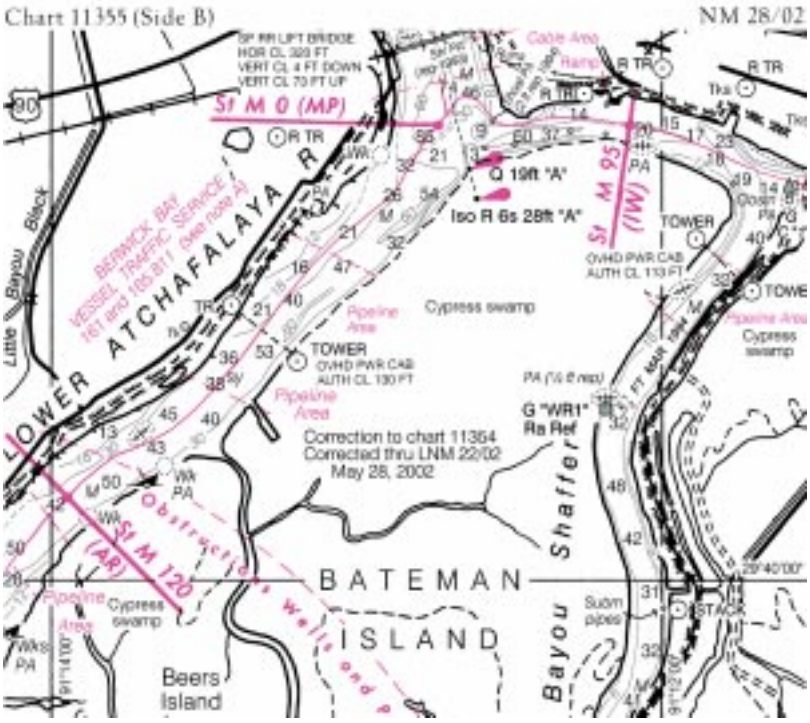
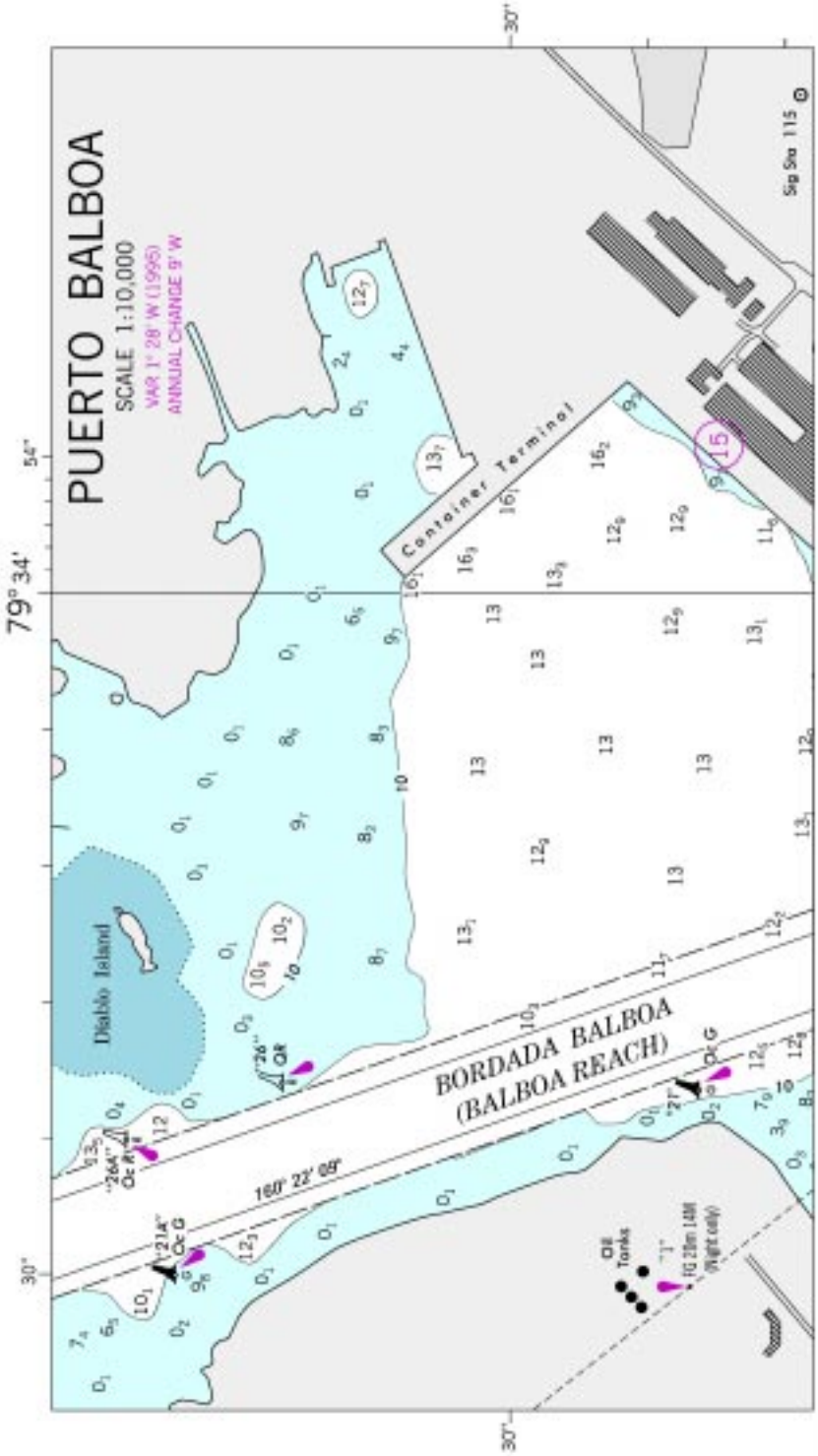


Chart 11355 (Side B)
NM 28/02
St M 0 (MP)
St M 95 (IW)
St M 120 (AR)
Q 19ft "A"
Iso R 6s 28ft "A"
G "WR1"
Rs Ref
LOWER ATCHAFALAYA R
Little Bayou Black
Shaffer
Bayou
BATEMAN ISLAND
Beers Island
Cypress swamp
Pipeline Area
Correction to chart 11354
Corrected thru LNM 22/02
May 28, 2002

Chart 21602 (Plan Puerto Balboa) (A) NM 28/02



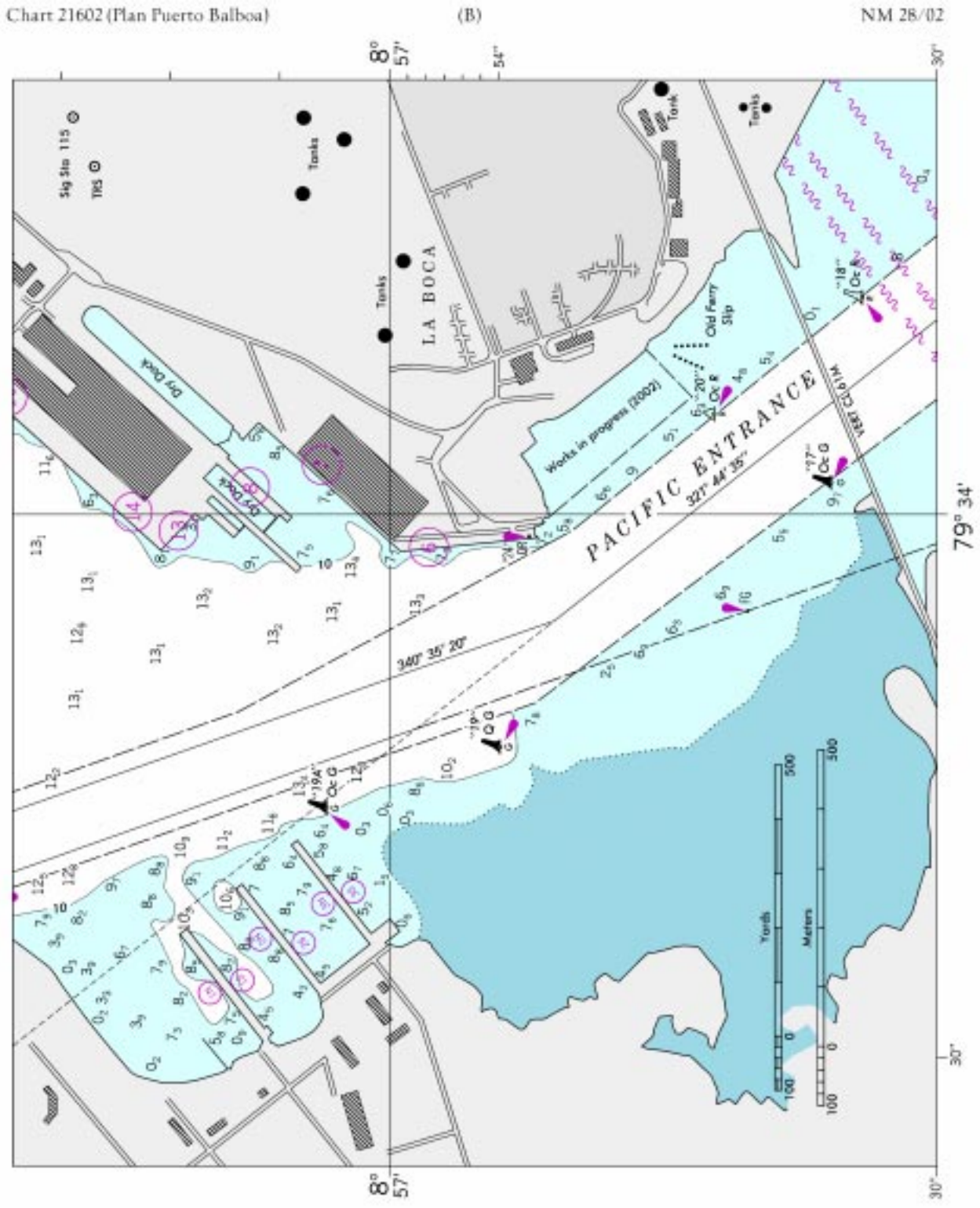


Chart 21602 (Plan Puerto Balboa)
(B)
NM 28/02
8° 57' 54" 30"
79° 34'
LA BOCA
PACIFIC ENTRANCE
Works in progress (2002)
Old Ferry Slip
Dry Dock
Tanks
Sig Sta 115
TMS
340° 35' 20"
327° 44' 35"
Yards
Metres

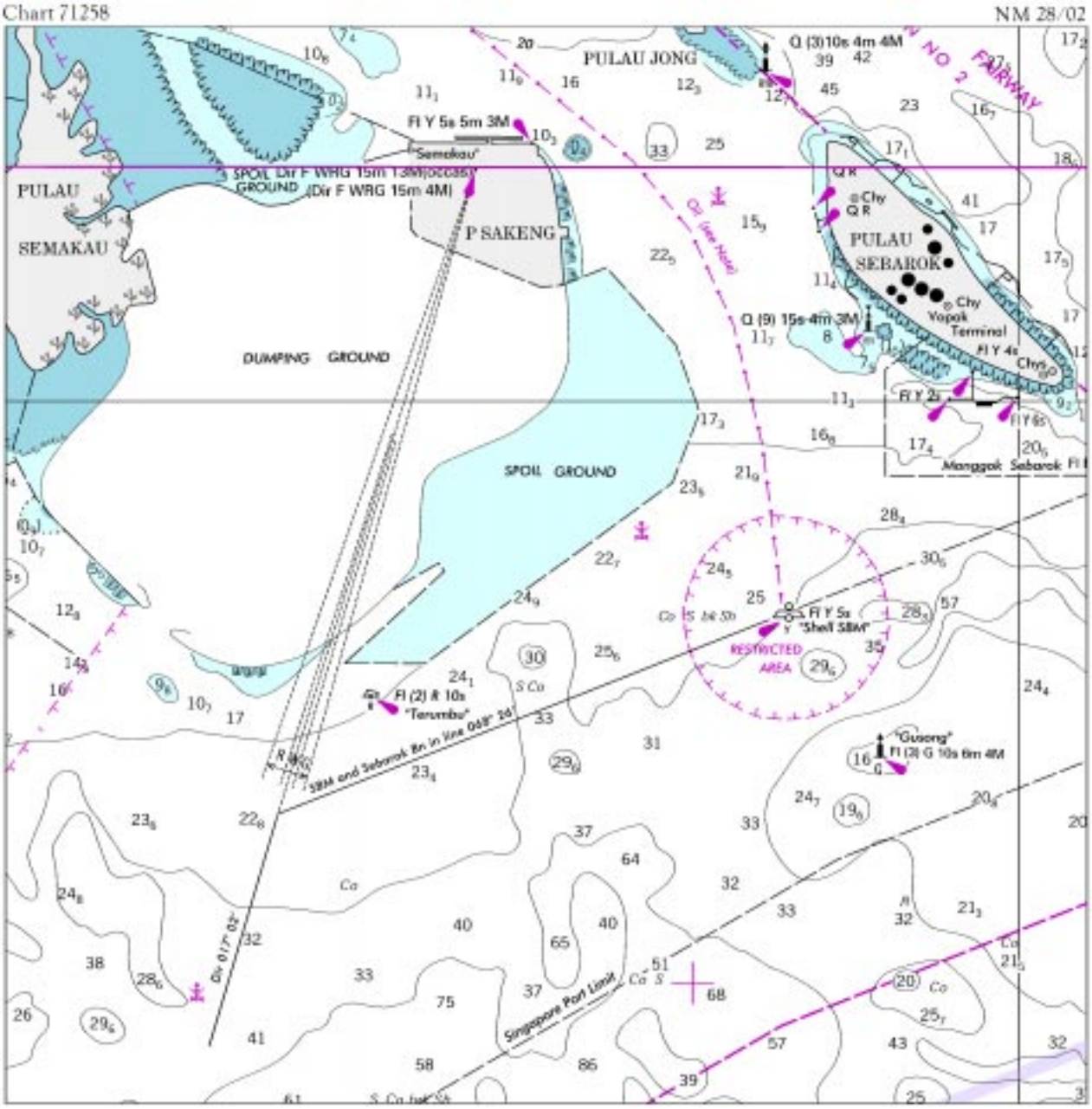


Chart 71258
NM 28/02
PULAU JONG
Q (3)10s 4m 4M
NO 2 FAIRWAY
Fl Y 5s 5m 3M
Semakau
SPOIL GROUND (Dir F WRG 15m 4M)
PULAU SEMAKAU
P SAKENG
DUMPING GROUND
SPOIL GROUND
PULAU SEBAROK
Chy
Q R
Chy Vopak Terminal
Q (9) 15s 4m 3M
Fl Y 4s
Fl Y 2s
Fl Y 6s
Manggok Sebarok
Fl Y 5s
"Shell SBM"
RESTRICTED AREA
Fl (2) R 10s
"Terumbu"
SBM and Sebarok Bn in Line 048° 24'
"Gusong"
Fl (2) G 10s 6m 4M
Dir 017° 02'
Singapore Port Limit

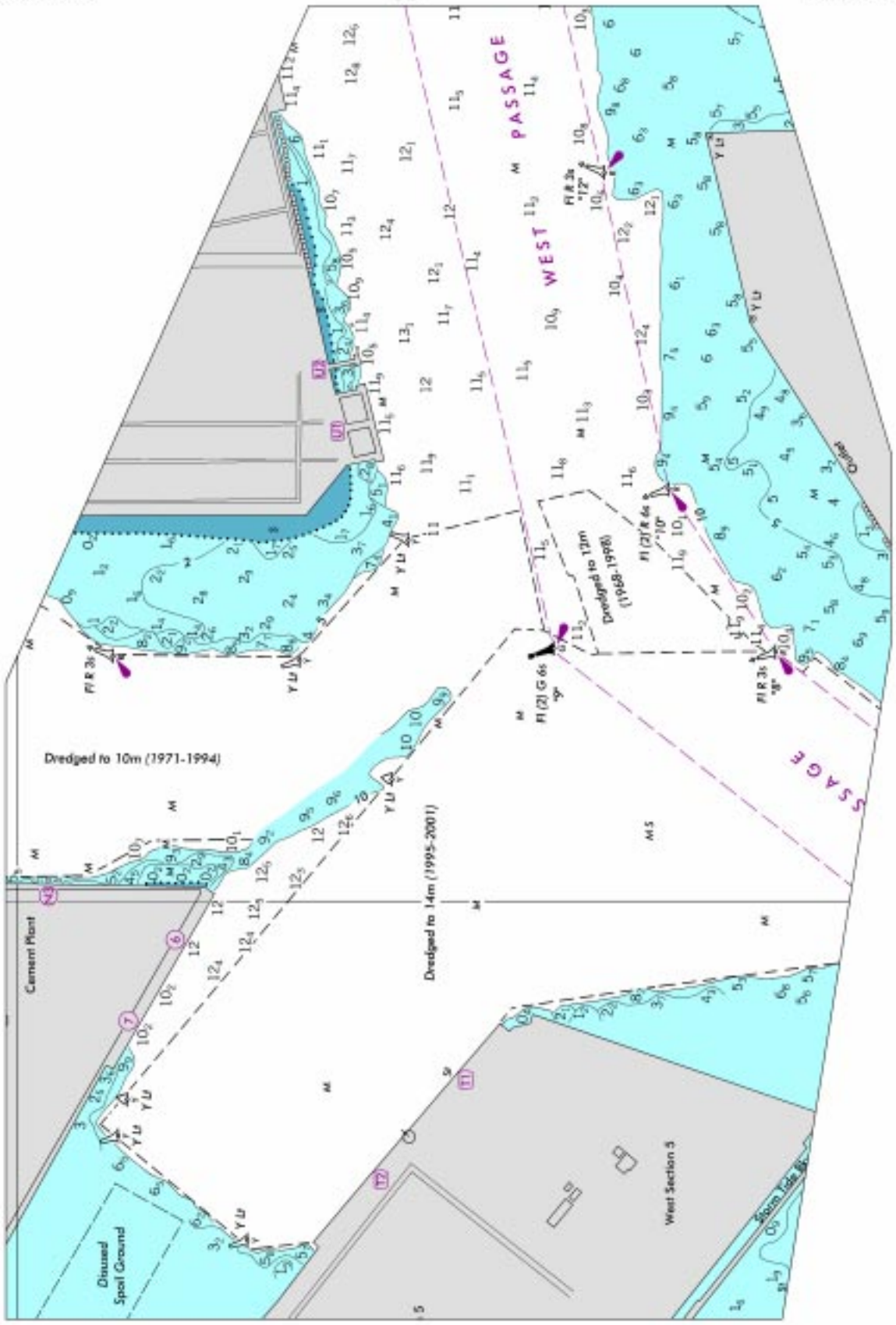


Chart 97184
(A)
NM 28/02
WEST PASSAGE
EAST PASSAGE
Dredged to 10m (1971-1994)
Dredged to 14m (1995-2001)
Dredged to 12m (1968-1998)
Cement Plant
Disused Spoil Ground
West Section 3
Storm Tide Barrier

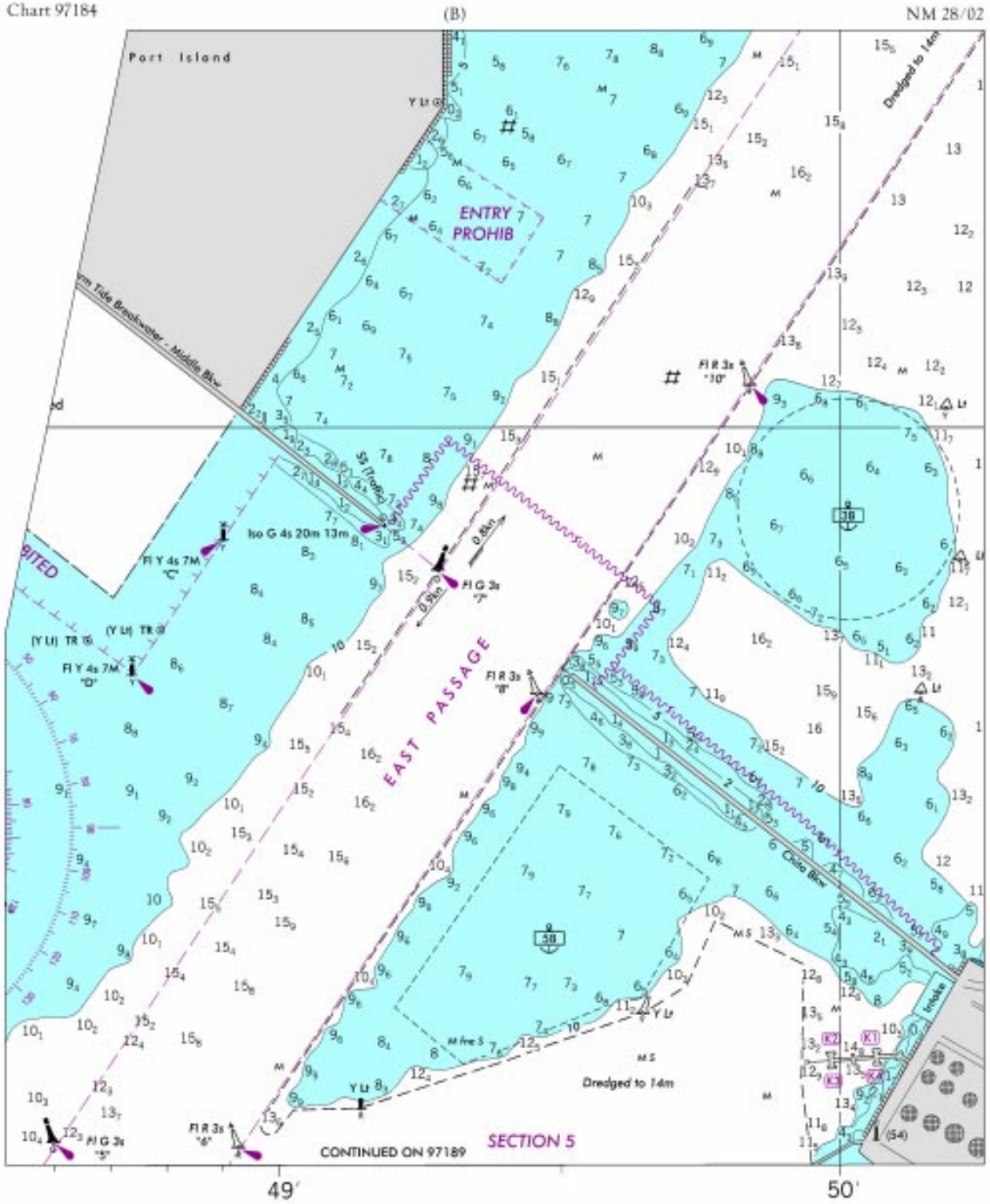


Chart 97184
(B)
NM 28/02
Port Island
ENTRY PROHIB
EAST PASSAGE
Iso G 4s 20m 13m
Fl Y 4s 7M "C"
Fl Y 4s 7M "D"
Fl G 3s "7"
Fl R 3s "8"
Fl R 3s "10"
Fl G 3s "5"
Fl R 3s "6"
Dredged to 14m
Dredged to 14m
CONTINUED ON 97189
SECTION 5
49'
50'

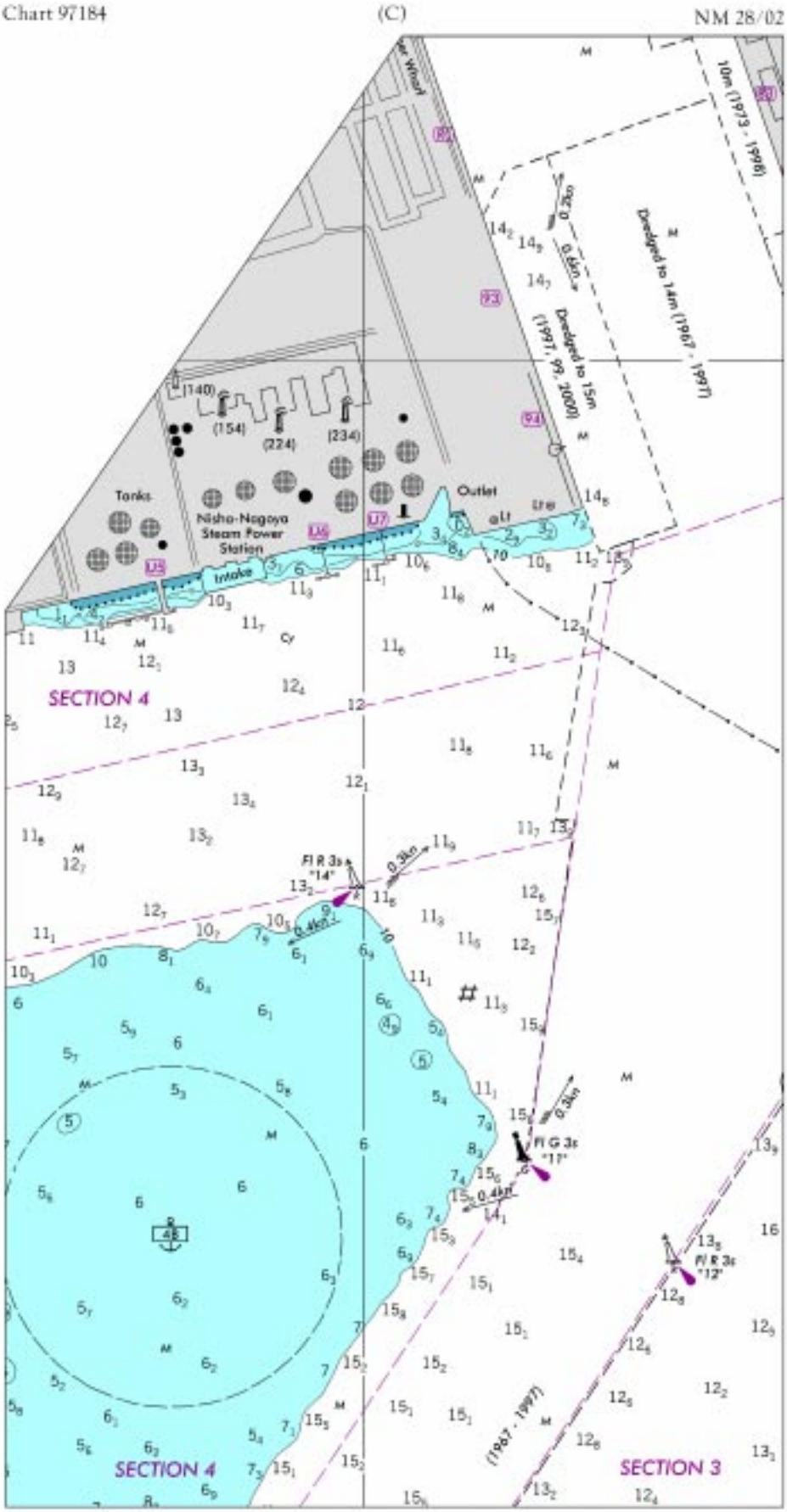


Chart 97184
(C)
NM 28/02
Dredged to 10m (1967 - 1968)
Dredged to 14m (1967 - 1997)
Dredged to 15m (1997, 99, 2000)
(140)
(154)
(224)
(234)
Tanks
Nisho-Nagoya Steam Power Station
Intake
Outlet
U1
U2
U3
U4
U5
U6
U7
P1
P2
P3
P4
SECTION 4
SECTION 4
SECTION 3
Fl R 3s "14"
Fl G 3s "17"
Fl R 3s "12"
0.3kn
0.4kn
(1967 - 1997)

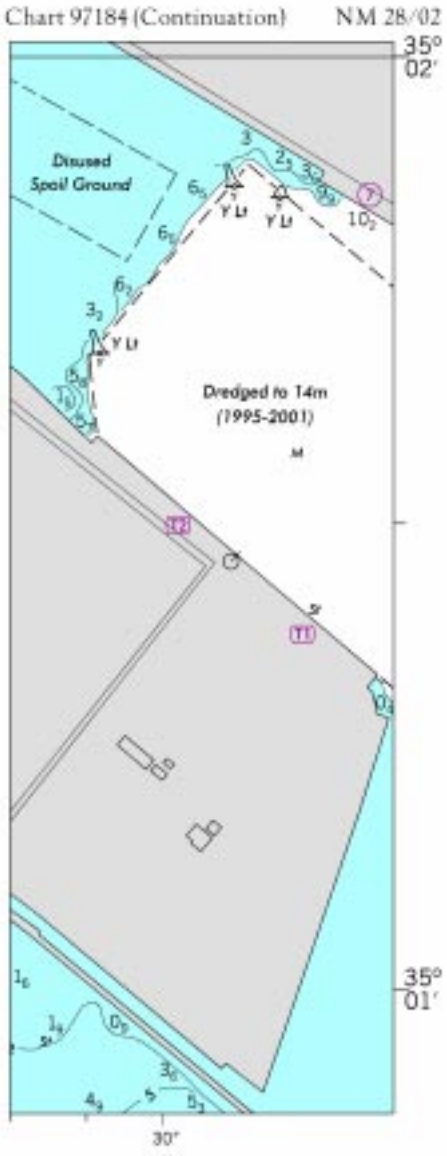


Chart 97184 (Continuation) NM 28/02
35° 02'
Disused Spoil Ground
Dredged to 14m (1995-2001)
35° 01'
30'

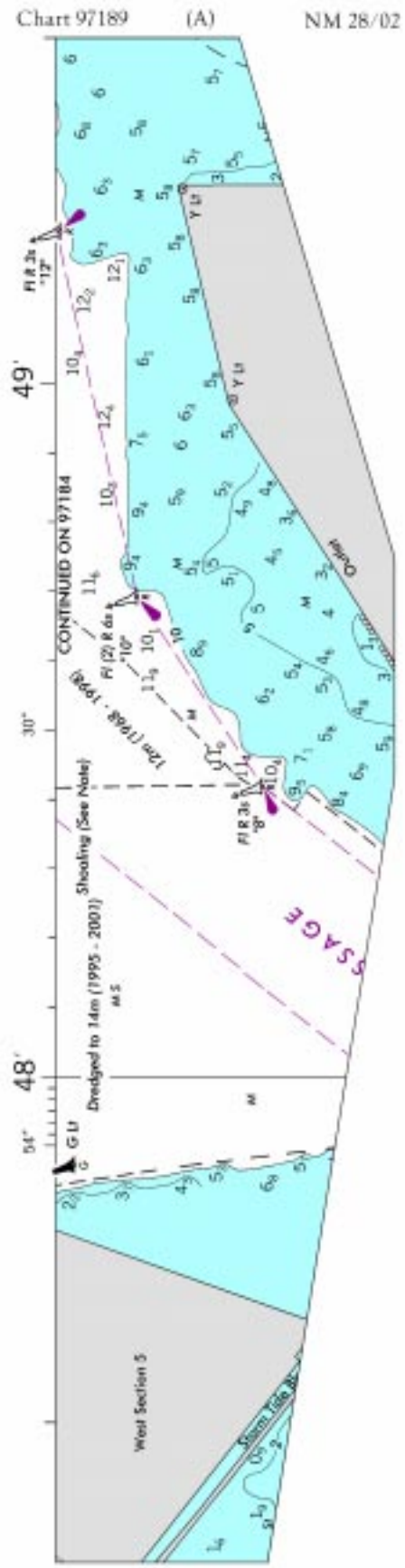


Chart 97189 (A) NM 28/02
49'
48'
30"
54"
CONTINUED ON 97184
Dredged to 14m (1995 - 2003)
Shoaling (See Note)
PASSAGE
West Section 5
Storm Tide Barrier

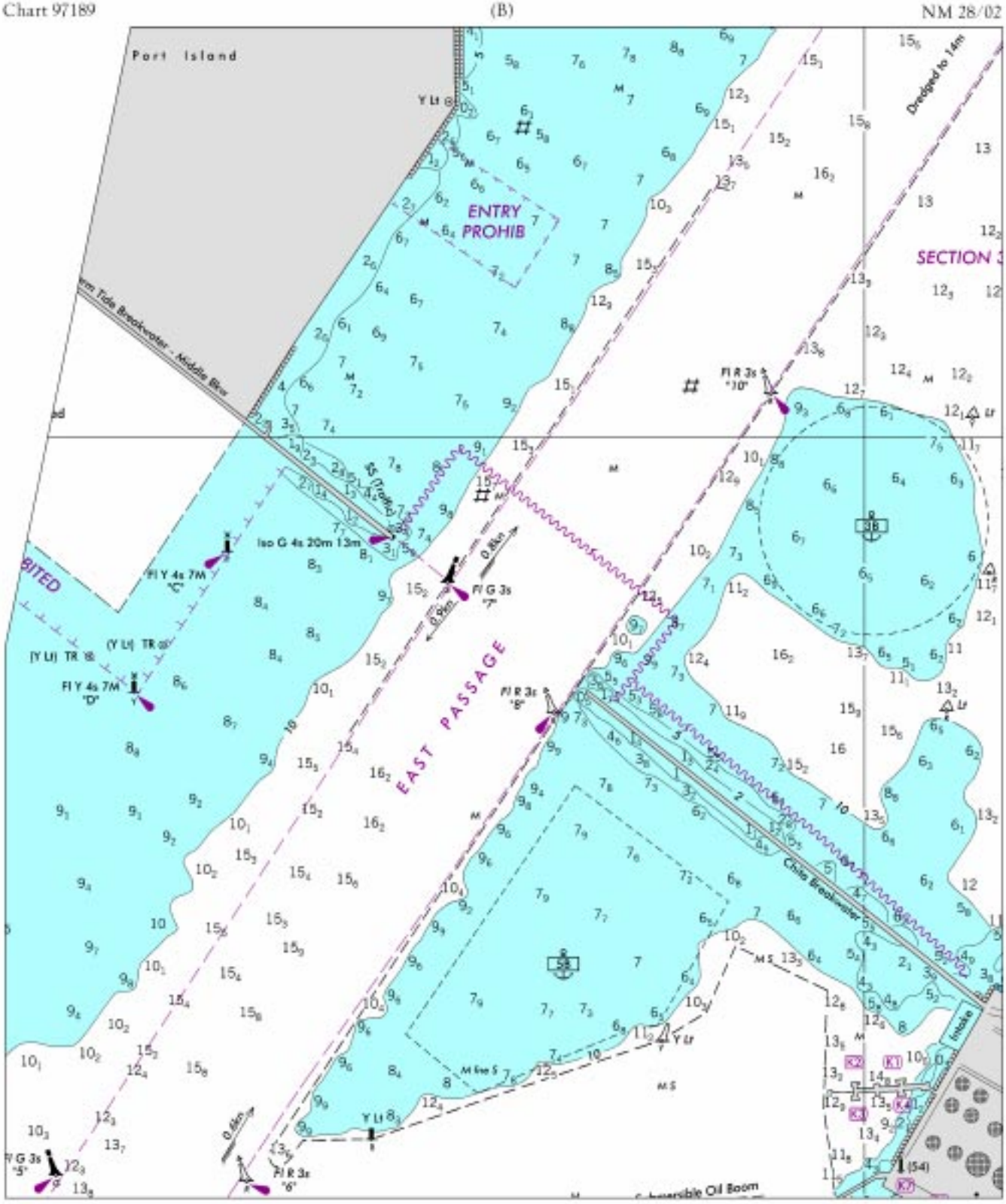


Chart 97189
(B)
NM 28/02
Port Island
ENTRY PROHIB
SECTION 3
EAST PASSAGE
Dredged to 14m
Chita Breakwater
Iso G 4s 20m 13m
Fl Y 4s 7M "C"
Fl Y 4s 7M "D"
Fl G 3s "7"
Fl R 3s "8"
Fl R 3s "10"
Fl G 3s "5"
Fl R 3s "6"
Intake
Submersible Oil Boom

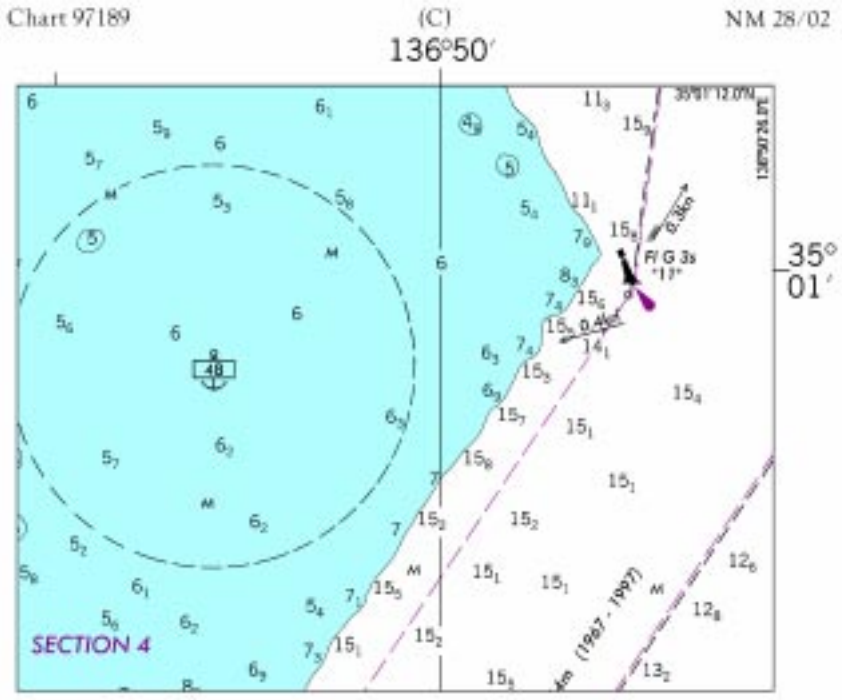


Chart 97189
(C)
NM 28/02
136°50′
35°
01′
SECTION 4
Fl G 3s
"17"
(1967 - 1997)

Chart 11374 (Side B) NM 28/02

HORN ISLAND PASS PASCAGOULA HARBOR AND BAYOU CASOTTE CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2002 AND SURVEYS TO JAN 2002

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)
HORN ISLAND PASS CHANNEL	40.7	40.3	33.2	8-00	450	4.4	40
PASCAGOULA CHANNEL	32.3	34.2	35.7	11-01	350	10.8	38
TURNING BASIN	36.2	38.0	38.0	1-02	950	0.4	38
BAYOU CASOTTE CHANNEL	38.0	38.7	39.0	1-02	225	3.3	42
TURNING BASIN	42.0	42.0	42.0	1-02	1000	0.3	42

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

Chart 11375 NM 28/02

HORN ISLAND PASS PASCAGOULA HARBOR AND BAYOU CASOTTE CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2002 AND SURVEYS TO JAN 2002

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)
HORN ISLAND PASS CHANNEL	40.7	40.3	33.2	8-00	450	4.4	40.0
PASCAGOULA CHANNEL	32.3	34.2	35.7	11-01	350	10.8	38.0
TURNING BASIN	36.2	38.0	38.0	1-02	950	0.4	38.0
BAYOU CASOTTE CHANNEL	38.0	38.7	39.0	1-02	225	3.3	42.0
TURNING BASIN	42.0	42.0	42.0	1-02	1000	0.3	42.0

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

Chart 11412 NM 28/02

TAMPA BAY CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2002 AND SURVEYS TO APRIL 2002

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)
EGMONT CHANNEL	29.1	45.1	45.5	41.4	2-00	700	3.9	45
MULLET KEY CHANNEL	40.4	44.3	44.5	39.4	2-00	700	2.9	43
CUT A CHANNEL	39.5	44.1	44.1	43.6	2-00	500	2.7	43
CUT B CHANNEL	43.8	43.9	44.0	42.2	2-00	500	3.4	43
CUT C CHANNEL	43.0	44.7	44.0	43.6	2-00	500	1.7	43
CUT D CHANNEL	44.4	43.7	44.1	42.8	2-00	500	2.1	43
CUT E CHANNEL	40.9	43.7	43.8	44.4	2-00	500	2.1	43
CUT F CHANNEL	41.7	44.5	44.1	43.0	2-00	500	1.6	43
CUT G CHANNEL	32.5	34.6	34.9	33.4	4-01; 4-02	400	2.7	34
GADSDEN PT. CUT	40.7	41.7	43.8	42.0	3-02	500	3.05	43

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

Chart 11416 NM 28/02

TAMPA BAY CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2002 AND SURVEYS TO APRIL 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
MULLET KEY CHANNEL	40.4	44.3	44.5	39.4	2-00	700	2.9	43
CUT A CHANNEL	39.5	44.1	44.1	43.6	2-00	500	2.7	43
CUT B CHANNEL	43.8	43.9	44.0	42.2	2-00	500	3.4	43
CUT C CHANNEL	43.0	44.7	44.0	43.6	2-00	500	1.7	43
CUT D CHANNEL	44.4	43.7	44.1	42.8	2-00	500	2.1	43
CUT E CHANNEL	40.9	43.7	43.8	44.4	2-00	500	2.1	43
CUT F CHANNEL	41.7	44.5	44.1	43.0	2-00	500	1.6	43
EAST WIDENER	46.4	49.1	42.1	41.7	3-02	0-2880	0.4	43
WEST WIDENER	34.3	34.9	34.3	34.8	4-01	0-1470	0.25	34
CUT G CHANNEL	32.5	34.6	34.9	33.4	4-01; 4-02	400	2.7	34
G TO J WIDENER	35.8	35.9	35.1	34.5	4-02	0-770	.52	34
CUT J CHANNEL	32.1	35.2	34.0	33.9	4-02	400	1.2	34
CUT J2 CHANNEL	35.4	37.0	36.6	35.9	4-02	400	0.9	34
CUT K CHANNEL	31.1	36.2	36.1	32.4	4-02	400	2.0	34
CUT K TURNING BASIN	29.4	32.4	37.7	31.6	4-02	400-750	0.5	34
GADSDEN PT. CUT	40.7	41.7	43.8	42.0	3-02	500	3.05	43
HILLSBOROUGH BAY								
CUT A CHANNEL	41.0	42.6	39.1	36.4	3-02	500	1.0	43
A TO C WIDENER	36.0	37.4	39.3	40.9	3-02	0-1000	0.7	43
CUT C CHANNEL	35.8	40.1	38.5	36.7	3-02	500	5.6	43
CUT D CHANNEL	31.3	36.1	36.6	31.9	3-02	400	1.0	41
SEDDON CHANNEL	8.2	14.5	19.7	21.4	3-02	200	1.1	12
GARRISON CHANNEL (A)	24.6	27.2	27.9	28.3	3-02	300	0.4	30
SPARKMAN CHANNEL	27.5	35.5	35.2	30.3	3-02	400	1.2	34
YBOR TURNING BASIN	34.4	36.1	33.5	30.3	3-02	—	0.3	34
YBOR CHANNEL	29.3	32.2	31.0	30.2	3-02	400	0.6	34
PORT SUTTON ENTRANCE CHANNEL	41.5	42.3	42.8	38.1	3-02	400	0.3	43
SOUTH WIDENER	37.7	37.3	36.9	35.9	3-02	0-540	0.3	43
PORT SUTTON TURNING BASIN	37.2	40.2	39.8	40.9	3-02	400-1930	0.4	43
EAST BAY CHANNEL								
TO TURNING BASIN	43.3	44.9	43.9	42.7	3-02	600	0.6	43
TURNING BASIN	44.1	45.0	45.1	45.1	3-02	300-800	0.3	43
NORTHEAST OF TURNING BASIN	43.9	44.4	44.0	43.5	3-02	300	0.4	43
UPPER EAST BAY								
CHANNEL TO UPPER BASIN	34.0	35.0	35.0	34.9	3-02	300	0.6	34
TURNING BASIN	33.9	35.5	35.1	32.0	3-02	300-789	0.5	34

A. GARRISON CHANNEL HAS BEEN DEAUTHORIZED AS A FEDERALLY MAINTAINED NAVIGATION PROJECT. SHOALING THROUGHOUT WESTERN PORTION OF CHANNEL.

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

Chart 11505 NM 28/02

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	43.0	43.5	44.5	44.0	3-02	600	3.3	44
BLOODY POINT RANGE	44.0	44.5	44.0	43.0	3-02	600	3.0	44
JONES ISLAND RANGE	45.0	44.0	43.5	44.0	3-02	600	1.2	44
TYBEE KNOLL CUT RANGE	43.5	44.0	44.0	43.5	3-02	500	2.5	42

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.

NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.

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

Chart 11512 NM 28/02

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	43.0	43.5	44.5	44.0	3-02	600	3.3	44
BLOODY POINT RANGE	44.0	44.5	44.0	43.0	3-02	600	3.0	44
JONES ISLAND RANGE	45.0	44.0	43.5	44.0	3-02	600	1.2	44
TYBEE KNOLL CUT RANGE	43.5	44.0	44.0	43.5	3-02	500	2.5	42
NEW CHANNEL RANGE (A)	38.0	42.0	43.0	43.0	4-02	500	1.6	42
L. I. CROSSING RANGE	40.0	44.0	44.0	43.0	4-02	500	2.6	42
LOWER FLATS RANGE	40.5	47.0	46.5	42.5	4-02	500	1.3	42
UPPER FLATS RANGE	44.0	46.0	46.0	40.5	4-02	500	1.2	42
THE BIGHT CHANNEL	41.0	45.5	47.0	47.0	4-02	500	1.5	42
FT. JACKSON RANGE	45.5	47.0	47.0	42.5	4-02	500	0.7	42
OGLETHORPE RANGE	40.0	45.5	45.5	43.0	4-02	500	1.2	42
WRECKS CHANNEL (B)	42.0	45.0	47.0	45.0	4-02	500	1.5	42
CITY FRONT CHANNEL	42.5	45.0	44.0	37.0	4-02	500	1.5	42
MARSH ISLAND CHANNEL (C)	44.0	45.0	44.0	43.0	4-02	500	1.7	42
KINGS ISLAND CHANNEL (D)	41.0	42.5	41.0	41.0	4-02	500	2.1	42
WHITEHALL CHANNEL (E)	32.0	33.5	36.0	39.5	4-02	400	0.6	42-36
PORT WENTWORTH CHANNEL (F)	30.0	32.5	32.5	32.0	12-94; 4-02	200	1.2	30

A. OYSTER BED I.TURNING BASIN-CONTROLLING DEPTH 42.0 FT, 41.5 FT 100 FT FROM BACKSIDE.
B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 40.5 FT, 29.0 FT 100 FT FROM BACKSIDE.
C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 38.5 FT, 28.0 FT 100 FT FROM BACKSIDE.
D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 48.5 FT, 50.0 FT 100 FT FROM BACKSIDE.
E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 37.0 FT 100 FT FROM BACKSIDE.
F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 30.5 FT, 25.5 FT 100 FT FROM BACKSIDE.
NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.
NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.
NOTE- CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11514 (Side A) NM 28/02

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
OGLETHORPE RANGE	40.0	45.5	45.5	43.0	4-02	500	1.2	42
WRECKS CHANNEL (A)	42.0	45.0	47.0	45.0	4-02	500	1.5	42
CITY FRONT CHANNEL	42.5	45.0	44.0	37.0	4-02	500	1.5	42
MARSH ISLAND CHANNEL (B)	44.0	45.0	44.0	43.0	4-02	500	1.7	42
KINGS ISLAND CHANNEL (C)	41.0	42.5	41.0	41.0	4-02	500	2.1	42
WHITEHALL CHANNEL (D)	32.0	33.5	36.0	39.5	4-02	400	0.6	42-36
PORT WENTWORTH CHANNEL (E)	30.0	32.5	32.5	32.0	12-94; 4-02	200	1.2	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 40.5 FT, 29.0 FT 100 FT FROM BACKSIDE.
B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 38.5 FT, 28.0 FT 100 FT FROM BACKSIDE.
C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 48.5 FT, 50.0 FT 100 FT FROM BACKSIDE.
D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 37.0 FT 100 FT FROM BACKSIDE.
E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 30.5 FT, 25.5 FT 100 FT FROM BACKSIDE.
NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.
NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.
NOTE- CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12327 NM 28/02

ARTHUR KILL, KILL VAN KULL, NEWARK BAY,
PASSAIC AND HACKENSACK RIVERS CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS-
REPORT OF MAR 2002 AND SURVEYS TO DEC 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)

NAME OF CHANNEL	DEPTH MLLW (FEET)	WIDTH (FEET)	DATE OF SURVEY
ARTHUR KILL (OUTERBRIDGE REACH			
TO N. OF SHOOTERS I. REACH)	A27.3	800-500	5-99;2,3,4,5,9-01
KILL VAN KULL (CONSTABLE HOOK			
REACH TO BERGEN PT. WEST REACH)	34.0	2000-800	12-96;2-97;9,10-01
S. OF SHOOTERS I. REACH	B5.0	400	8-90
NEWARK BAY (NEWARK BAY S.			
REACH TO DROYERS PT. REACH)	C18.7	1750-300	12-01
PASSAIC RIVER (KEARNY PT. REACH			
TO ARLINGTON REACH)	D0.7	300-200	2-00; 11-01
HACKENSACK RIVER (DROYERS PT.			
REACH TO TURNING BASIN)	14.4	300-800	4-01

A. A DEPTH OF 34.5 FEET WAS AVAILABLE IN THE MIDDLE HALF.
B. OBSTUCTIONS INTERSPERSED IN THE TWO RIGHT QUARTERS. THERE IS A MINIMUM DEPTH OF 5.9 FEET OVER WRECKAGE.
C. A DEPTH OF 21.9 FEET WAS AVAILABLE IN THE MIDDLE HALF, EXCEPT FOR SHOALING TO 8.4 FT AT 40° 42' 11.4" N 74° 06' 56.1" W.
D. A DEPTH OF 4.2 FEET WAS AVAILABLE IN THE MIDDLE HALF.

NOTE 1. SEE LARGE SCALE CHARTS FOR MORE DETAIL OF REACHES.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE

Chart 12333 NM 28/02

ARTHUR KILL, KILL VAN KULL, NEWARK BAY AND UPPER BAY CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2002 AND SURVEYS TO DEC 2001

	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)
FRESH KILLS REACH	30.0	35.2	36.5	34.4	2,3-01	500	1.8	35
TREMLEY POINT REACH	33.3	37.7	36.9	32.0	2,3-01	600	0.9	35
PRALLS ISLAND REACH	30.8	34.8	36.1	31.0	2,3-01	500	1.2	35
GULFPORT REACH	27.3	37.0	37.0	31.0	2,3-01	500-600	1.1	35
ELIZABETHPORT REACH	32.4	35.9	35.3	31.1	1,2-01	500-600	1.1	35
N OF SHOOTERS ISLAND REACH	33.0	34.5	35.6	33.9	5-99	600	1.0	35
S OF SHOOTERS ISLAND REACH	18.6	24.1	14.0	A 5.0	8-90	400	1.0	30
BERGEN PT. WEST REACH	38.1	40.0	40.0	37.1	12-96; 2-97; 5-99	800	1.1	35
BERGEN PT. EAST REACH	37.4	40.0	40.0	39.5	12-96; 2-97	800	1.0	35
CONSTABLE HOOK REACH	34.0	40.0	40.0	34.8	12-96;2-97;9,10-01	2000-800	2.2	35
NEWARK BAY SOUTH REACH	40.8	40.8	40.0	32.5	5-99; 12-01	1750-1000	1.4	40
NEWARK BAY MIDDLE REACH	35.0	39.4	36.0	31.4	12-01	1750-500	1.4	40
ELIZABETH CHANNEL	36.4	38.6	39.9	37.3	3-99; 1,2-01	1350-500	1.4	40
PORT NEWARK CHANNEL:								
PORT NEWARK(BRANCH CHANNEL)	32.3	35.5	33.5	32.4	2,12-01	1050-400	0.4	40
PIERHEAD CHANNEL	33.8	35.6	35.0	33.4	1,2-01	300	0.7	40

A. OBSTRUCTIONS INTERSPERSED IN THE TWO RIGHT QUARTERS. THERE IS A MINIMUM DEPTH OF 5.9 FT OVER WRECKAGE.

* CONTROLLING DEPTHS IN CHANNELS OF RARITAN BAY- EAST REACH TO AND INCLUDING FRESH KILLS REACH ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM LOWER NEW YORK BAY. CONTROLLING DEPTHS FROM CONSTABLE HOOK TO AND INCLUDING TREMLEY POINT REACH ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM UPPER NEW YORK BAY.

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

Chart 12337 NM 28/02

NEWARK BAY, PASSAIC AND HACKENSACK RIVERS CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2002 AND SURVEYS TO DEC 2001

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
NEWARK BAY MIDDLE REACH	35.0	39.4	36.0	31.4	12-01	1750-500	1.4	40
NEWARK BAY NORTH REACH	33.3	33.7	21.9	A18.7	12-01	900-500	1.1	35
TURNING BASIN	23.8	24.9	21.9	A18.7	12-01	900	0.26	35
PASSAIC RIVER:								
KEARNY PT REACH	17.1	18.1	16.9	13.4	11-01	300	1.1	30
POINT NO POINT REACH	2.0	6.5	15.0	8.9	11-01	300	1.1	30
HARRISON REACH	B1.3	4.2	5.4	1.9	2-00; 11-01	300	1.9	20
NEWARK REACH	0.9	9.6	10.8	C1.0	2-00; 11-01	300	1.3	20
KEARNY REACH	0.7	8.2	7.2	D1.1	2-00; 11-01	300	0.9	20
ARLINGTON REACH	2.0	4.9	9.0	E2.6	2-00; 11-01	200	0.9	16
BELLEVILLE REACH	0.1	0.4	8.0	9.9	6-92 H	150	1.4	10
NUTLEY REACH	2.6	9.2	7.4	3.5	11-89 H	150	1.7	10
RUTHERFORD REACH	1.7	5.1	3.8	3.7	11-89 H	150	2.2	10
WALLINGTON REACH	F2.2	1.5	1.9	G1.1	11-89 H	150	0.9	10
HACKENSACK RIVER:								
DROYERS POINT REACH	24.8	27.3	25.1	18.4	4-01	300-400	1.5	30
MARION REACH	22.6	27.9	27.0	18.7	4-01	300	1.8	30
TURNING BASIN	14.4	22.7	28.2	21.8	4-01	300-800	0.2	25
PORT NEWARK CHANNEL:								
BRANCH CHANNEL	33.0	35.7	33.5	33.2	1,2-01	1050-400	0.4	40
INSHORE CHANNEL	36.3	34.6	30.1	28.7	1,2-01	400	1.1	35
PIERHEAD CHANNEL	33.8	35.6	35.0	33.4	1,2-01	300	0.7	40

A. EXCEPT FOR A SHOAL TO 7.7 FT AT 40° 42' 11.4" N 74° 06' 56.1" W ALONG THE RIGHT OUTSIDE QUARTER OF THE REACH.

B. EXCEPT FOR SHOALS, BARE AT M.L.L.W., FROM 40° 44' 26" N 74° 08' 18" W TO 40° 44' 23" N 74° 08' 25" W

C. EXCEPT FOR SHOALS, BARE AT M.L.L.W., FROM 40° 44' 03" N 74° 09' 24" W TO 40° 44' 09" N 74° 09' 31" W AND 40° 44' 07" N 74° 09' 36" W TO 40° 44' 09" N 74° 09' 39" W

D. EXCEPT FOR A SHOAL TO BARE FROM 40° 45' 06.0" N 74° 09' 52.0" W TO 40° 45' 12.0" N 74° 09' 51.0 W AND 40° 45' 38" N 74° 09' 43" W TO 40° 45' 31" N 74° 09' 47" W

E. EXCEPT FOR A SHOAL TO BARE FROM 40° 45' 59" N 74° 09' 25" W TO 40° 45' 56" N 74° 09' 27"W

F. A SHOAL BARE AT M.L.L.W. EXTENDS ACROSS THE LEFT OUTSIDE QUARTER ABOUT 370 YARDS DOWNSTREAM OF THE EIGHTH STREET BRIDGE.

G. A SHOAL BARE AT M.L.L.W. EXTENDS ACROSS THE RIGHT OUTSIDE QUARTER ABOUT 300 YARDS NORTH OF THE MAIN ST. BRIDGE AND SHOALING TO 0.3 FEET 175 FEET WEST OF THE SECOND ST. BRIDGE.

H. THE CORPS OF ENGINEERS HAS CONFIRMED THAT THIS REACH IS NOT ACTIVELY MAINTAINED.

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

Chart 25673 NM 28/02

MAYAGUEZ HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2002 AND SURVEYS TO APR 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	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	A24.9	30.8	30.5	A29.3	4-02	1100-500	0.4	30
TERMINAL CHANNEL	B23.8	B23.2	B23.2	B16.4	4-02	500	0.2	30

A. SHOALING ALONG NORTH EDGE OF CHANNEL EXTENDING 850 FEET WEST OF RED BUOY-6. SHOALING ALSO ALONG SOUTH QUARTER OF CHANNEL FROM 400 FEET WEST OF RED BUOY-6 AND EXTENDING 400 FEET SEAWARD.

B. SHOALING ALONG SOUTH AND EAST PERIMETER OF BASIN, EXTENDING NORTH OF BUOY-10. LEAST DEPTH OCCURING IN SOUTHEAST CORNER OF BASIN.

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