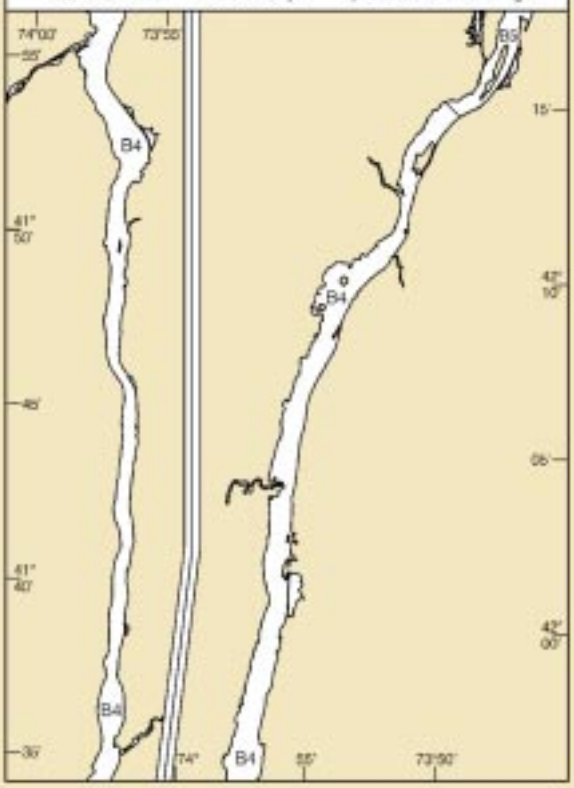
Chart 12347 NM 52/04

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

SOURCE

B4 1900-1939	NOS Surveys	partial bottom coverage
B5 1834-1899	NOS Surveys	partial bottom coverage



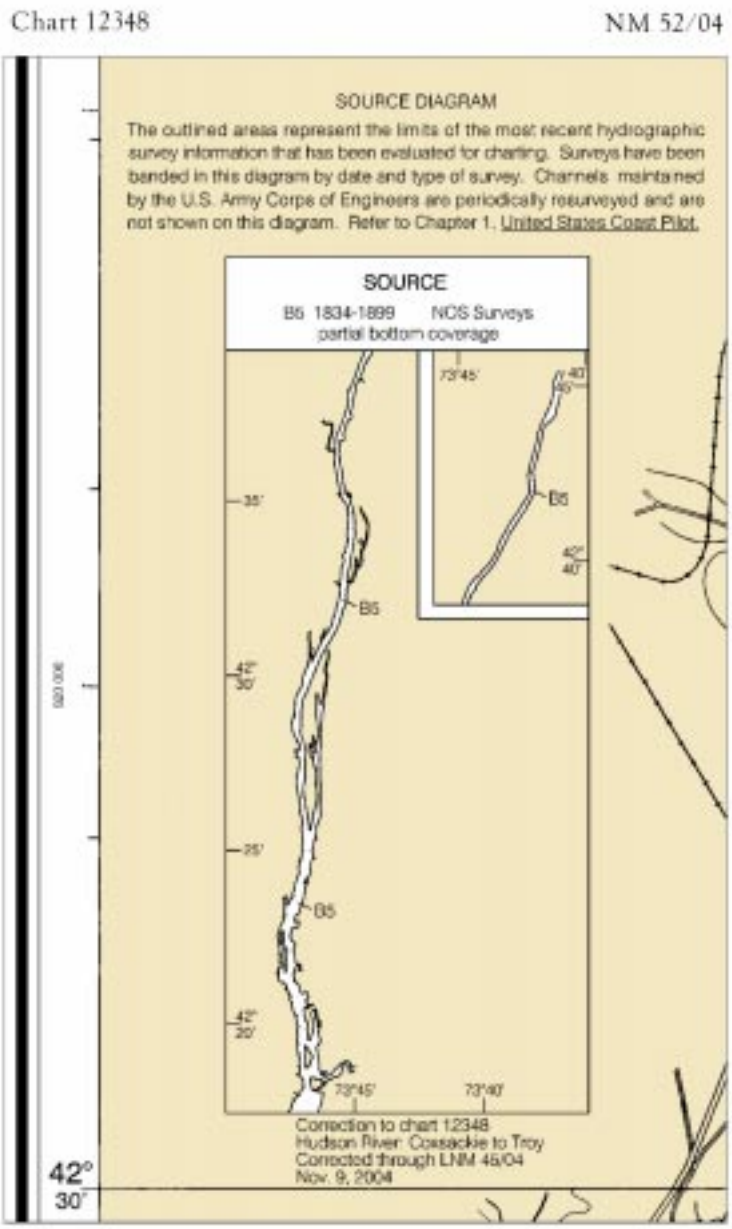


Chart 12348
NM 52/04
SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.
SOURCE
B5 1834-1899 NOS Surveys
partial bottom coverage
B5
73°45'
73°40'
42°
30'
Correction to chart 12348
Hudson River: Coxsackie to Troy
Corrected through LNM 46/04
Nov. 9, 2004

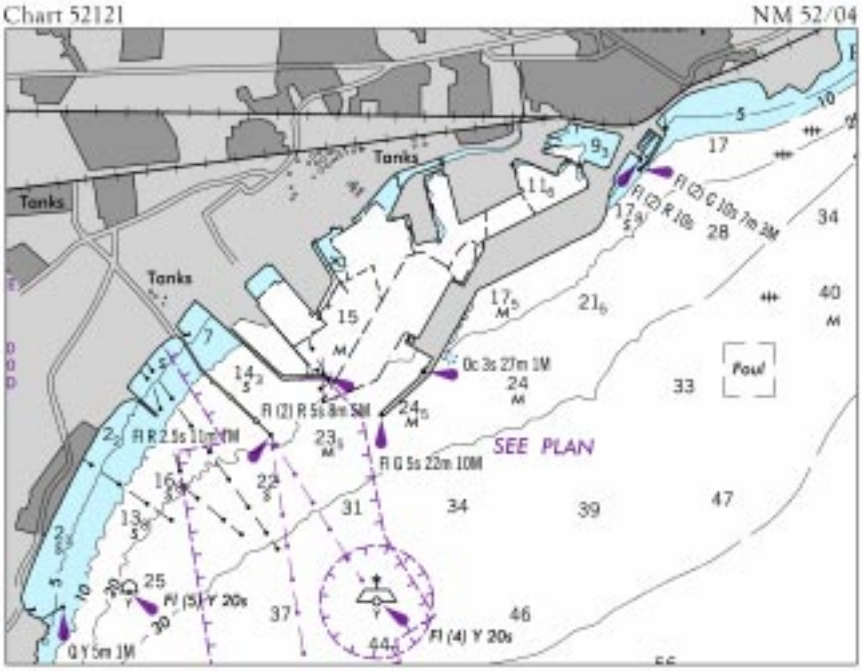


Chart 52121
NM 52/04
Tanks
Tanks
Tanks
Fl (2) R 10s
Fl (2) G 10s 7m 3M
Oc 3s 27m 1M
Fl (2) R 5s 8m 5M
Fl R 2.5s 11m 7M
Fl G 5s 22m 10M
SEE PLAN
Foul
Fl (5) Y 20s
Fl (4) Y 20s
Q Y 5m 1M

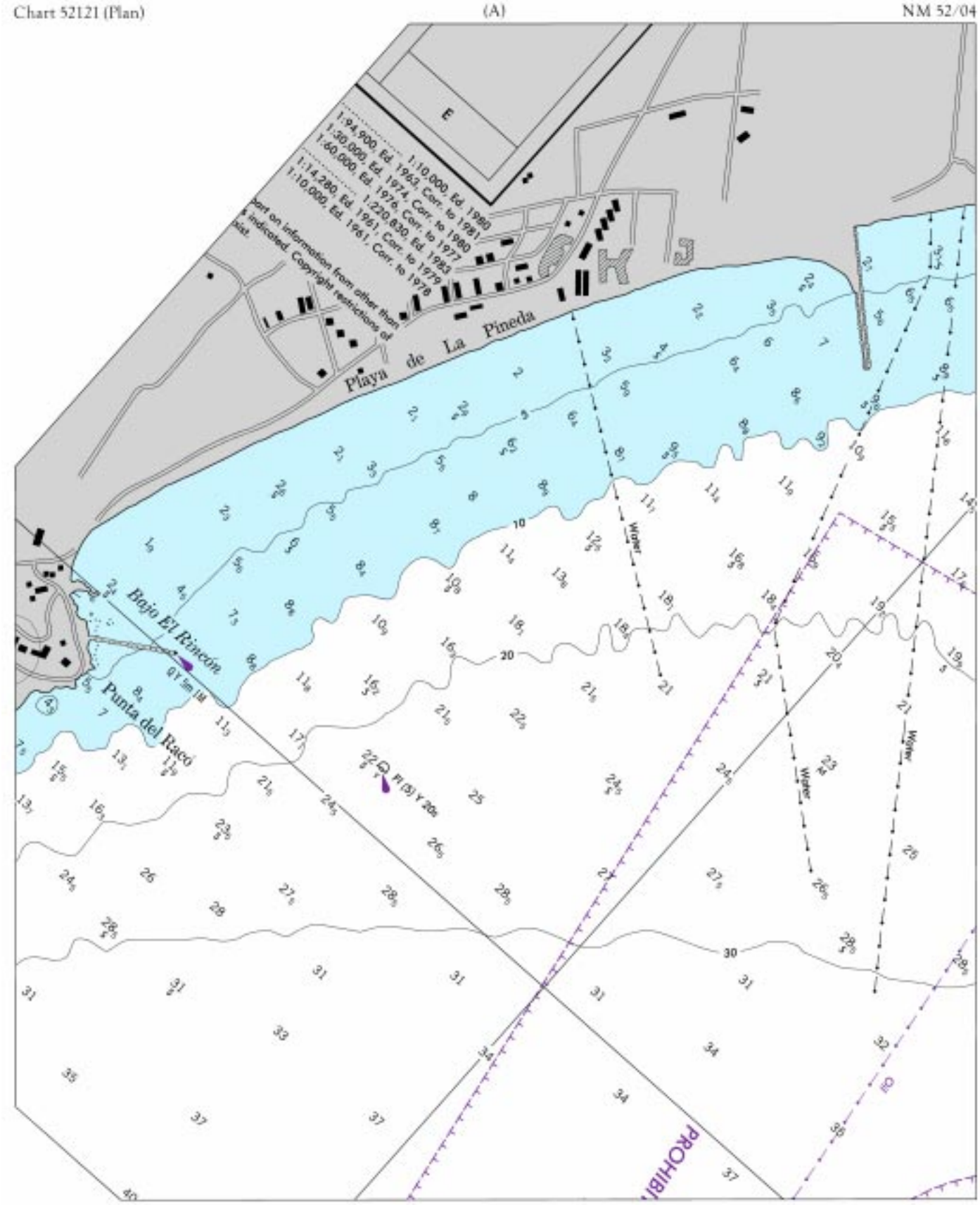


Chart 52121 (Plan)
(A)
NM 52/04
1:94,900, Ed. 1963, Corr. to 1981
1:50,000, Ed. 1974, Corr. to 1980
1:60,000, Ed. 1976, Corr. to 1977
1:14,280, Ed. 1961, Corr. to 1979
1:10,000, Ed. 1961, Corr. to 1978
1:10,000, Ed. 1980
Copyright restrictions of
Playa de La Pineda
Bajo El Rincón
Punta del Raco
Q Y 5m 1M
Fl (3) Y 20s
Wpnt
PROHIBI

Chart 52121 (Plan) (B) NM 52/04

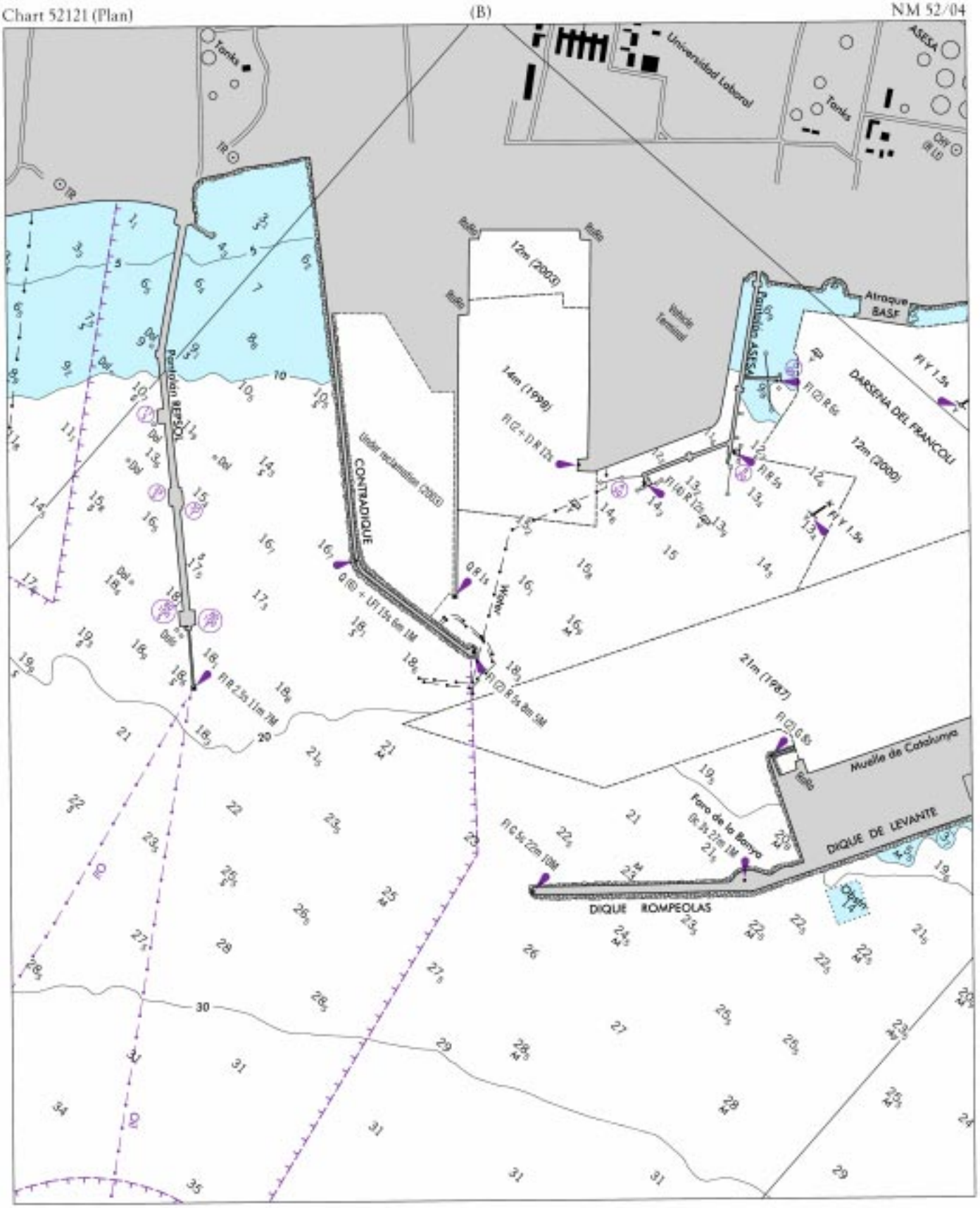


Chart 52121 (Plan) (C) NM 52/04

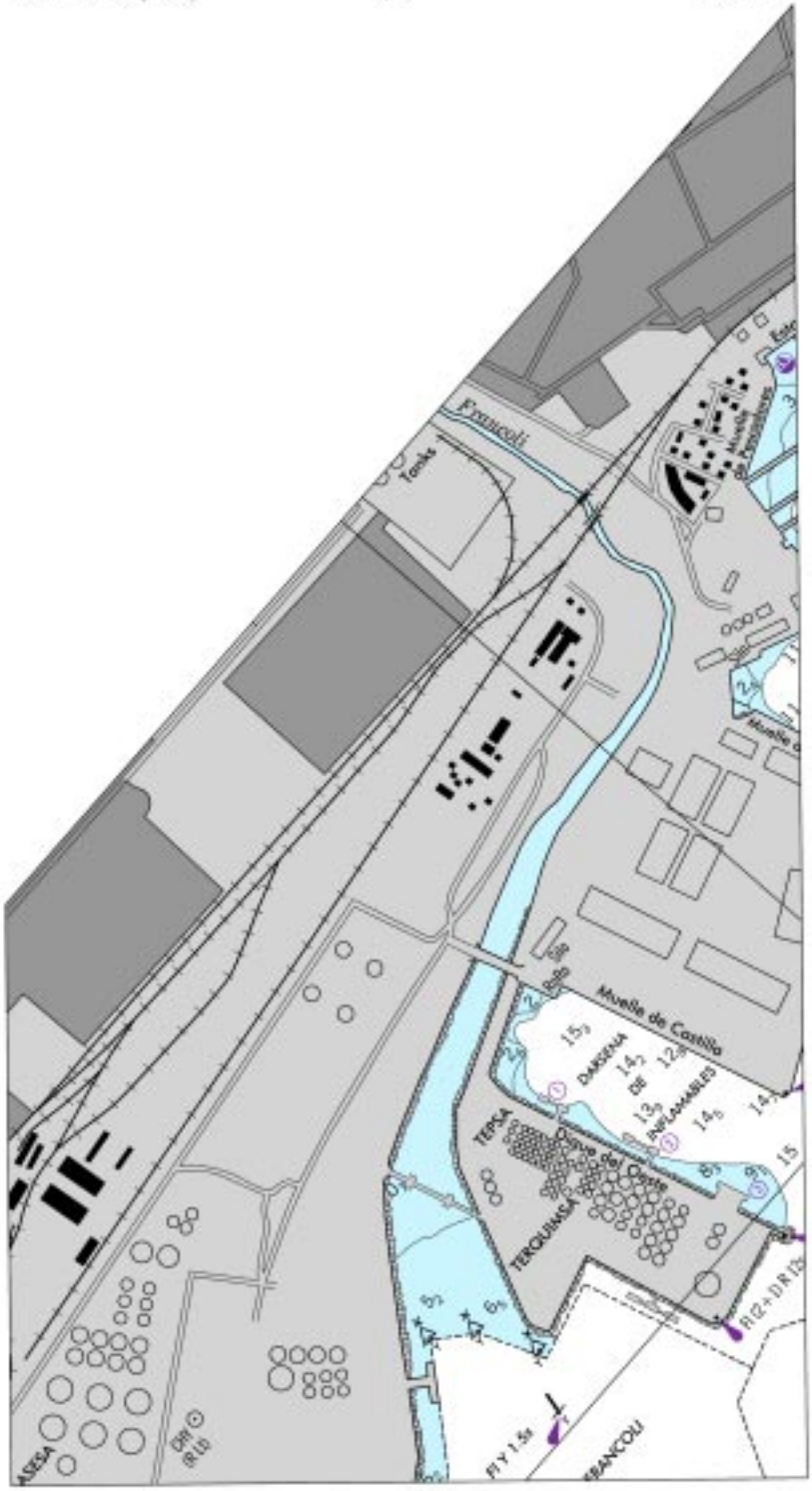


Chart 52121 (Plan) (D) NM 52/04

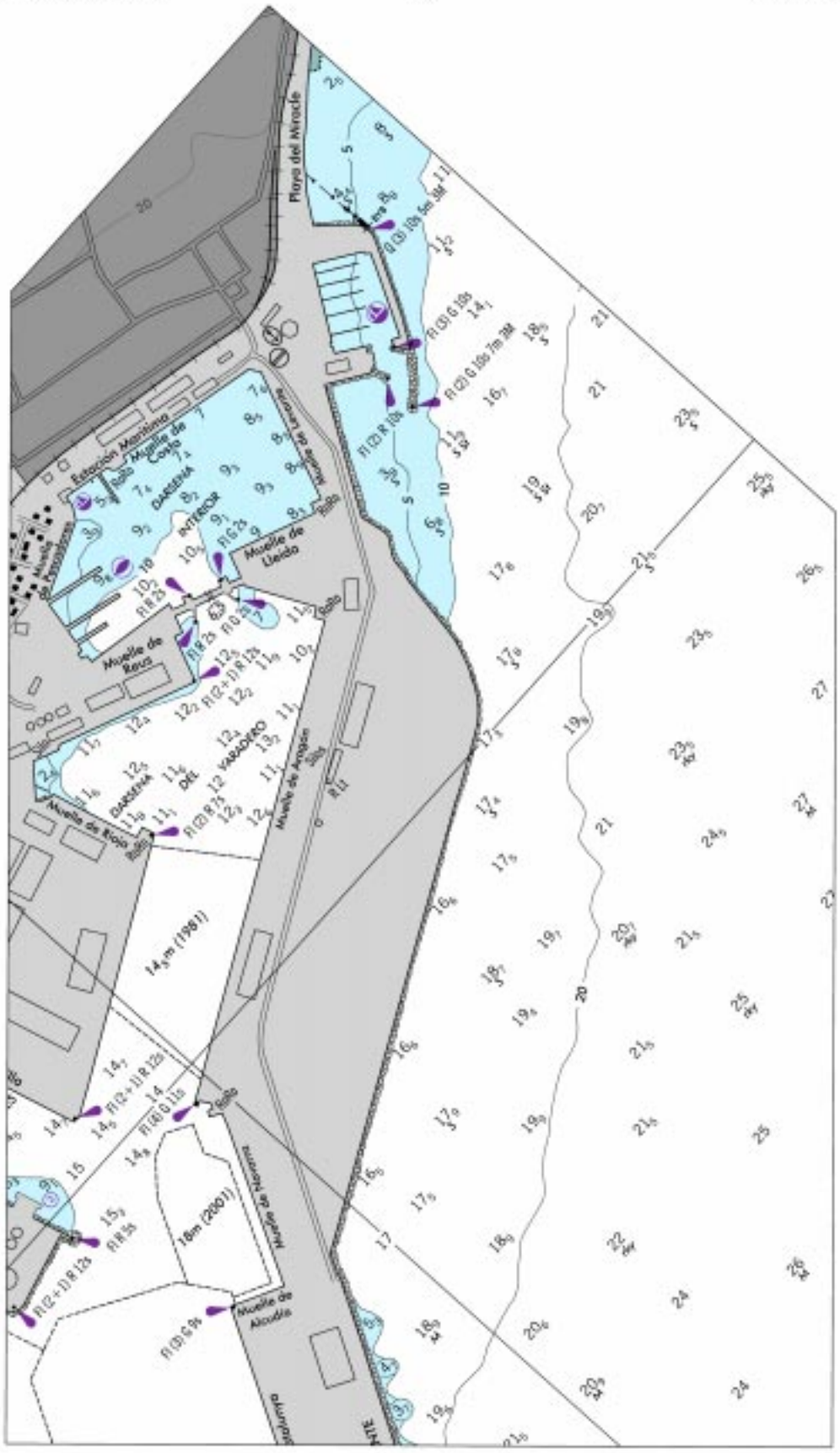


Chart 11466 NM 52/04

LAKE WORTH INLET CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2003 AND SURVEYS TO APR 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)
ENTRANCE CHANNEL	A35.3	B36.8	C36.9	4-03	400	.66	35
LAKE WORTH INNER CHANNEL	32.5	36.3	34.8	4-03	300-500	.49	33

A. SHOALING TO 31 FEET IN THE VICINITY OF 26°46'19.1"N; 80°01'39.0"W SEP 2004
B. SHOALING TO 20 FEET AT 26°46'21.5"N; 80°01'46.8"W SEP 2004
C. SHOALING TO 18 FEET IN THE VICINITY OF 26°46'22.0"N; 80°01'47.3"W SEP 2004
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11478 NM 52/04

PORT CANAVERAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2004 AND SURVEYS TO JAN 2004

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)
OUTER REACH	42.6	42.7	42.4	41.9	1-04	400	4.7	44
MIDDLE REACH	A42.7	B42.7	C40.0	29.9	1-04	400	0.9	44
INNER REACH	37.8	41.6	40.9	37.8	4-03	400	0.7	40
WEST ACCESS CHANNEL (EAST PORTION)	37.8	40.6	41.0	39.1	4-03	400	0.3	39
WEST ACCESS CHANNEL (WEST PORTION)	30.5	34.4	35.1	34.6	4-03	400	0.3	31

A. SHOALING TO 28 FEET IN THE VICINITY OF 28°24'33.4"N; 80°35'00.3"W SEP 2004
B. SHOALING TO 30 FEET AT 28°24'34.2"N; 80°34'59.6"W SEP 2004
C. SHOALING TO 35 FEET IN THE VICINITY OF 28°24'34.9"N; 80°35'00.3"W SEP 2004
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11481 NM 52/04

PORT CANAVERAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2004 AND SURVEYS TO JAN 2004

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)
OUTER REACH	42.6	42.7	42.4	41.9	1-04	400	4.7	44
MIDDLE REACH	A42.7	B42.7	C40.0	29.9	1-04	400	0.9	44
INNER REACH	37.8	41.6	40.9	37.8	4-03	400	0.7	40
WEST ACCESS CHANNEL (EAST PORTION)	37.8	40.6	41.0	39.1	4-03	400	0.3	39
WEST ACCESS CHANNEL (WEST PORTION)	30.5	34.4	35.1	34.6	4-03	400	0.3	31

A. SHOALING TO 28 FEET IN THE VICINITY OF 28°24'33.4"N; 80°35'00.3"W SEP 2004
B. SHOALING TO 30 FEET AT 28°24'34.2"N; 80°34'59.6"W SEP 2004
C. SHOALING TO 35 FEET IN THE VICINITY OF 28°24'34.9"N; 80°35'00.3"W SEP 2004
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11512 NM 52/04

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2004

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)
TYBEE RANGE	44.0	43.5	44.5	44.0	8-04	600	3.3	44
BLOODY POINT RANGE	44.0	44.0	44.0	42.0	8-04	600	3.0	44
JONES ISLAND RANGE	43.5	42.5	44.0	43.5	8-04	600	1.2	44
TYBEE KNOLL CUT RANGE	43.0	43.5	44.0	43.0	8-04	500	2.5	42
NEW CHANNEL RANGE (A)	41.0	41.5	43.5	43.5	9-04	500	1.6	42
L. I. CROSSING RANGE	42.5	44.0	44.0	42.0	9-04	500	2.6	42
LOWER FLATS RANGE	43.0	46.5	46.0	44.0	9-04	500	1.3	42
UPPER FLATS RANGE	46.0	48.0	45.0	46.5	9-04	500	1.2	42
THE BIGHT CHANNEL	46.0	47.5	47.0	48.0	9-04	500	1.5	42
FT. JACKSON RANGE	47.0	48.0	48.0	45.0	9-04	500	0.7	42
OGLETHORPE RANGE	43.5	46.0	46.0	46.0	9-04	500	1.2	42
WRECKS CHANNEL (B)	40.0	44.0	47.5	47.0	9-04	500	1.5	42
CITY FRONT CHANNEL	42.0	45.0	44.0	38.0	9-04	500	1.5	42
MARSH ISLAND CHANNEL (C)	42.0	44.0	44.5	42.0	9-04	500	1.7	42
KINGS ISLAND CHANNEL (D)	38.0	38.0	38.0	38.0	9-04	500	2.1	42
WHITEHALL CHANNEL (E)	30.5	32.5	33.5	37.0	9-04	400	0.6	42-36
PORT WENTWORTH CHANNEL (F)	30.0	31.0	30.0	32.0	12-94; 9-04	200	1.2	30

A. OYSTER BED I. TURNING BASIN-CONTROLLING DEPTH 42.0 FT, 38.0 FT 100 FT FROM BACKSIDE.
B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 39.0 FT, 30.0 FT 100 FT FROM BACKSIDE.
C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 35.0 FT, 26.5 FT 100 FT FROM BACKSIDE.
D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 46.0 FT, 40.0 FT 100 FT FROM BACKSIDE.
E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 37.5 FT 100 FT FROM BACKSIDE.
F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 30.0 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 52/04

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2004

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)
OGLETHORPE RANGE	43.5	46.0	46.0	46.0	9-04	500	1.2	42
WRECKS CHANNEL (A)	40.0	44.0	47.5	47.0	9-04	500	1.5	42
CITY FRONT CHANNEL	42.0	45.0	44.0	38.0	9-04	500	1.5	42
MARSH ISLAND CHANNEL (B)	42.0	44.0	44.5	42.0	9-04	500	1.7	42
KINGS ISLAND CHANNEL (C)	38.0	38.0	38.0	38.0	9-04	500	2.1	42
WHITEHALL CHANNEL (D)	30.5	32.5	33.5	37.0	9-04	400	0.6	42-36
PORT WENTWORTH CHANNEL (E)	30.0	31.0	30.0	32.0	12-94; 9-04	200	1.2	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 39.0 FT, 30.0 FT 100 FT FROM BACKSIDE.
B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 35.0 FT, 26.5 FT 100 FT FROM BACKSIDE.
C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 46.0 FT, 40.0 FT 100 FT FROM BACKSIDE.
D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 37.5 FT 100 FT FROM BACKSIDE.
E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 30.0 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 11527 NM 52/04

COOPER RIVER

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2000 AND SURVEYS TO JUN 2004

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)
COOPER RIVER								
RANGE A	38.2	37.4	38.3	37.9	7,8-98; 7,10-03; 6-04	400-1350	1.02	35
RANGE B	18.6	23.1	39.1	37.3	12-99;10-03	VARIES	.74	35
RANGE C	20.6	A24.6	38.9	39.2	7,8-98;12-99;10,11,12-03	VARIES	.76	35
RANGE D	38.9	38.4	38.2	38.0	2-00;11,12-03	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. OBSTRUCTION LOCATED WITH A DEPTH OF 37 FEET, AT 32°55'15.9"N; 79°55'54.8"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11537 NM 52/04

CAPE FEAR RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2004

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)
CAPE FEAR RIVER ENTRANCE	41.3	42.1	40.0	35.4	5-04	500-900	5.8	44
BALDHEAD SHOAL	41.4	43.2	27.8	13.3	8-04	725-900	0.7	44
SMITH ISLAND	13.4	40.7	43.7	43.8	8-04	650-900	0.9	44
BALDHEAD CASWELL	43.6	45.5	45.2	46.5	8-04	500	0.4	40
SOUTHPORT	43.5	45.0	44.6	42.6	8-04	500	1.0	40
BATTERY ISLAND	42.5	43.7	43.7	42.1	4-04	500	0.5	40
LOWER SWASH	41.0	41.7	41.7	41.7	5-04	400	1.6	38
SNOWS MARSH	40.5	41.2	40.2	39.5	3, 5-04	400	3.1	38
HORSESHOE SHOAL	38.8	39.5	40.2	39.1	5-04	400	1.2	38
REAVES POINT	42.5	42.1	43.2	42.3	5-04	400	1.2	38
LOWER MIDNIGHT	40.9	43.1	43.0	39.4	6-04	400	1.6	38
UPPER MIDNIGHT	41.2	41.7	41.9	39.1	6-04	400	2.7	38
LOWER LILLIPUT	42.4	42.3	42.2	42.3	6-04	400	1.9	38
UPPER LILLIPUT	39.8	43.0	42.3	41.0	6-04	400	1.9	38
KEG ISLAND	35.4	42.7	42.3	35.0	8-04	400	1.4	38
BIG ISLAND LOWER	38.3	43.3	42.0	32.0	6-04	400	0.8	38
BIG ISLAND UPPER	39.6	41.4	40.7	33.1	8-04	400-700	0.5	38
LOWER BRUNSWICK	34.3	42.9	40.9	36.3	8-04	400	1.6	38
UPPER BRUNSWICK	34.0	44.0	45.0	43.0	8-04	400	1.0	38
FOURTH EAST JETTY	41.5	43.3	43.2	40.9	5-04	400	1.2	38
BETWEEN CHANNEL	39.7	41.5	43.3	41.9	5-04	550	0.8	38
ANCHORAGE BASIN & APP CHANNEL	31.1	36.1	36.1	32.3	8-04	450-1090	1.4	38
HWY 74-76 TO BATTLESHIP	30.1	34.2	36.6	25.6	2-04	400	0.6	32
BATTLESHIP TO HWY 117 INCLUDING TURNING BASIN	7.9	30.3	32.3	18.5	2-04	190-850	-	32
HWY 117 TO HILTON BR	27.7	29.5	32.7	27.4	11-03	200-400	0.5	32
THENCE TO END OF PROJECT AT 34°16'36"N, 77°57'01"W	22.9	22.6A	20.8B	17.5C	11-02	200	1.2	25
TURNING BASIN	20.9	21.1	17.2	12.8	11-02	500	0.1	25

A. EXCEPT FOR SHOALING TO 17.3 FEET FOR THE LAST 150 FEET OF THE PROJECT.
B. EXCEPT FOR SHOALING TO 10.1 FEET FOR THE LAST 150 FEET OF THE PROJECT.
C. EXCEPT FOR SHOALING TO 10.7 FEET FOR THE LAST 250 FEET OF THE PROJECT.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12222 NM 52/04

HAMPTON AND PHOEBUS CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2004

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)
HAMPTON RIVER ENTRANCE CHANNEL	12.1	12.5	11.4	1-04	200	1.1	12
HAMPTON REACH	10.1	10.7	9.0	1-04	150	1.2	12
SUNSET CREEK	11.2	A12.4	A10.9	1-04	100-80	0.5	12
PHOEBUS CHANNEL	12.5	12.1	11.7	6-03	150	0.7	12

A. EXCEPT FOR SHOALING TO 7.7 FEET FOR THE LAST 200 FEET OF THE PROJECT.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12224 NM 52/04

CAPE CHARLES CITY HARBOR

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 2004

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)
BAR CHANNEL	11.2	11.8	14.3	3-04	300-400	0.66	18
CAPE CHARLES HARBOR CHANNEL	10.8	17.2	18.2	3-04	400-1000	1.70	18
HARBOR BASIN	14.0	14.9	14.2	3-04	1000-400	0.49	18
MUD CREEK	5.9	9.5	6.3	3-04	100-180	0.11	10
HARBOR OF REFUGE	6.1	6.2	5.9	3-04	200-250	0.13	7

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

Chart 12245 NM 52/04

HAMPTON AND PHOEBUS CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2004

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)
HAMPTON RIVER ENTRANCE CHANNEL	12.1	12.5	11.4	1-04	200	1.1	12
HAMPTON REACH	10.1	10.7	9.0	1-04	150	1.2	12
SUNSET CREEK	11.2	A12.4	A10.9	1-04	100-80	0.5	12
PHOEBUS CHANNEL	12.5	12.1	11.7	6-03	150	0.7	12

A. EXCEPT FOR SHOALING TO 7.7 FEET FOR THE LAST 200 FEET OF THE PROJECT.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12311 NM 52/04

CHRISTINA RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG - SEP 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT MILES)	DEPTH (FEET)
ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN	30.2	30.1	32.0	8,9-04	500-340	0.70	38
THENCE TO THE LOBDELL CANAL TURNING BASIN	34.0	31.6	31.3	8-04	400	0.33	35
(OPPOSITE TERMINAL WHARF)	33.0	33.5	34.4	8,9-04	320	0.34	38

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

Chart 12312 NM 52/04

CHRISTINA RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG - SEP 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT MILES)	DEPTH (FEET)
ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN	30.2	30.1	32.0	8,9-04	500-340	0.70	38
THENCE TO THE LOBDELL CANAL	34.0	31.6	31.3	8-04	400	0.33	35
TURNING BASIN (OPPOSITE TERMINAL WHARF)	33.0	33.5	34.4	8,9-04	320	0.34	38

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

Chart 18521 NM 52/04

COLUMBIA RIVER CHANNEL DEPTHS
ENTRANCE TO MILLER SANDS RANGE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 29, 2004

* SEE FOOTNOTES						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
ENTRANCE RANGE	57	57	53	43	10-04	2640	3.3	48
SAND ISLAND RANGE (CLATSOP SPIT)	50	53	53	43	10-04	2640	2.2	48
LOWER DESDEMONA SHOAL	43	45	43	43	8-04	600	3.4	40
UPPER DESDEMONA SHOAL	40	43	47	45	9-04	600	3.6	40
TANSY POINT TURN AND RANGE	40	42	42	37	9-04	600	4.8	40
ASTORIA RANGE	40	42	43	41	9-04	600	2.7	40
TONGUE POINT CHANNEL	41	44	42	41	9-04	600	2.2	40
HARRINGTON POINT RANGE	41	41	43	38	9-04	600	2.6	40
MILLER SANDS RANGE	36	41	39	40	9-04	600	2.2	40

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT

* CONTROLLING DEPTHS IN CHANNELS ENTERING FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER FROM THE ENTRANCE TO HARRINGTON POINT AND COLUMBIA RIVER DATUM ABOVE THAT POINT. PROJECT LENGTHS ARE IN STATUTE MILES.

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

Chart 18754 NM 52/04

NEWPORT BAY CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2004

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)
ENTRANCE CHANNEL	16.1	21.3	20.0	9.8	8-04	500	0.6	20
CORONA DEL MAR BEND	20.0	20.3	20.0	17.7	8-04	200-500	0.3	20
BALBOA REACH	15.4	15.1	14.1	13.8	8-04	200	0.5	20
HARBOR ISLAND REACH	13.8	14.4	15.4	13.8	8-04	200	0.7	20
LIDO ISLE REACH	12.1	13.5	14.1	13.1	8-04	200	0.8	20
TURNING BASIN	15.4	14.4	16.1	17.1	8-04	200-1000	0.3	20
BALBOA ISLAND, NORTH CHANNEL	5.9	6.5	7.5	5.9	8-04	200	0.9	10

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

Chart 35013 NM N52/04

FORMER MINED AREA
(58° 02' 00N., 1° 00' 00W.)

This area is a former mined area in which mines could still present a hazard for vessels anchoring, fishing or engaged in submarine or seabed operations.

Chart 36037 NM N52/04

VESSEL TRAFFIC SERVICES

For procedures and working details of the Severn or Bristol Vessel Traffic Services, see Admiralty List of Radio Signals.

Chart 36038 NM N52/04

VESSEL TRAFFIC SERVICE

For procedures and working details of the Severn Vessel Traffic Service, see Admiralty List of Radio Signals.