SOUNDINGS IN FATHOMS

25663

Formerly C&GS 917, 1st Ed., Jan. 1913 Y-1911-04 KAPP 397

Nautical Chart Catalog No. 1, Panel F

CONTINUED ON CHART 25650

CONTINUED ON CHART 25660

CONTINUED ON CHART 25663

SCALE 1:40,000
Nautical Miles
Yards
Meters

MAGNETIC
VAR 12°45'W(2002)
ANNUAL INCREASE 6'

25667
1:10,000

25666
1:10,000

25665
1:20,000

25664
1:25,000

NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
COAST SURVEY

WEST INDIES

PUERTO RICO - EAST COAST

PASAJE DE SAN JUAN TO PUERTO DE HUMACAO

AND WESTERN PART OF ISLA DE VIEQUES

Mercator Projection
Scale 1:40,00 at Lat. 18°15'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

★ 2002 ★
THE YEAR OF CLEAN WATER
Celebration of Accomplishment

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been bandcd 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			
B2	1970-1969	NOS Surveys	partial bottom coverage
B3	1940-1969	NOS Surveys	partial bottom coverage
B4	1900-1939	NOS Surveys	partial bottom coverage
B5	Pre-1900	NOS Surveys	partial bottom coverage

NOAA VHF-FM WEATHER BROADCASTS

The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

San Juan, P.R.	WXJ-69	162.40 MHz
St. Thomas, V.I.	WXM-96	162.475 MHz

AUTHORITIES

Hydrography and topography by the National Oceanic Service, Coast Survey, with additional data from the Corps of Engineers, U.S. Coast Guard, and National Imagery and Mapping Agency.

CAUTION

Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Imagery and Mapping Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:
⊙(Accurate location) ○(Approximate location)

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

SPIRE

CAUTION

Coral reef limits shown on this chart are approximate and are not necessarily Awash at Mean Low Water.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the Puerto Rico Datum must be corrected an average of 7.156" southward and 1.420" eastward to agree with this chart.

TIDAL INFORMATION

Place		Height referred to datum of soundings (MLLW)			
Name	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
		feet	feet	feet	feet
Playa de Fajardo	(18°20'N/65°38'W)	1.6	1.3	0.2	-1.0
Punta Mulas, Isabel Segunda	(18°10'N/65°26'W)	1.2	1.0	0.2	-1.0
(102)					

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1)
Aids to Navigation (lights are white unless otherwise indicated):

ACRO aeronautical; Al. alternating; B. buoy; Bn beacon; C can; DIA. diaphone; F. fixed; Fl. flashing; G green; Gp. Mo. group occulting; Iso. isophase; LT HO. lighthouse; M nautical mile; m minutes; MICRO. TR microwave tower; Mkr marker; Mo morse code; N nun; OBSC obscured; Oc. occulting; Or orange; Q quick; R red; Ra. Ref radar reflector; R Bn radiobeacon; R TR radio tower; Rot. rotating; s seconds; SEC sector; St. M statute miles; VQ very quick; W white; WHIS whistle; Y yellow

Bottom characteristics:

Blds boulders; Co coral; Gy gray; Oys oysters; so soft; Bk broken; G gravel; h hard; Rk rock; Sh shells; Cy clay; Grs grass; M mud; S sand; sy sticky

Miscellaneous:

AUTH authorized; Obstn obstruction; PD position doubtful; Submn submerged; ED evidence doubtful; PA position approximate; Rep reported; (2) Wreck, rock, obstruction, or shoal swept clear to the depth indicated; (2) Rocks that cover and uncover, with heights in feet above datum of soundings.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 5 for important supplemental information.

HEIGHTS

Heights in feet above Mean High Water.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on those aids has been omitted from this chart.

NOTE B

Mariners are cautioned against anchoring dredging or trawling in this area due to the possible existence of unexploded ordnance.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

COLREGS, 80.738a (see note A)

International Regulations for Preventing Collisions at Sea, 1972.
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 5. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 7th Coast Guard District in Miami, Florida, or at the Office of the District Engineer, Corps of Engineers in Jacksonville, Florida.

Refer to charted regulation section numbers.

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:

Pipeline Area — Cable Area

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered wells may be marked by lighted or unlighted buoys.

RESTRICTED AREA 334.1480 (see note A)

CAUTION UNEXPLODED ORDNANCE (see note B)

EXPLOSIVES ANCHORAGE AREA 110.245 (see note A)

LOGARITHMIC SPEED SCALE

To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots.

SCALE 1:40,000
Nautical Miles
Yards
Meters

27th Ed. Feb. 9/02 ■
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CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the National Imagery and Mapping Agency and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

SOUNDINGS IN FATHOMS

Pasaje de San Juan to Puerto de Humacao
SOUNDINGS IN FATHOMS - SCALE 1:40,000

25663

NSN 7642014012029
NIMA REFERENCE NO. 25HHC5663

40 inches

32 inches

25663