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Nautical Chart Catalog No. 1, Panel 0

WEST INDIES

PUERTO RICO - SOUTH COAST

BAHÍA DE GUAYANILLA AND BAHÍA DE TALLABOA

Mercator Projection
Scale 1:10,000 at Lat. 17°59'
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

SCALE 1:10,000
Nautical Miles
Yards
Meters

COLREGS, 80.738o (see note A)
International Regulations for Preventing Collisions at Sea, 1972.
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

TIDAL INFORMATION

Place		Height referred to datum of soundings (MLLW)				
Name	(LAT,LONG)	High Water Lunitidal Interval	High Water Range	Mean Tide Level	Low Water Range	Low Water Lunitidal Interval
		hmm	feet	feet	feet	hmm
Punta Verraco, Bahía de Guayanilla	(17°59'N/66°47'W)	0:-5	**.*	**.*	**.*	0:-5

DR | Latest information available

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated):
AERO navigational; Al alternating; B black; Bn beacon; C cone; Dia diaphone; F fixed; Fl flashing; G green; Gp group; IQ interrupted quick; Iso isophase (E int); LT HO lighthouse; M nautical mile; Mo morse code; MICRO TR microwave tower; Mkr marker; Mo morse code; N nun; OBSC obscured; Oc occulting; Or orange; Q quick; R red; Ra radar reflector; Rb Ref radar reflector; R Bn radiobeacon; R TR Tr radio tower; Rot rotating; s seconds; SEC sector; St M statute miles; VQ very quick; W white; WHIS whistle; Y yellow

Bottom characteristics:
Bld boulders; Co coral; Cy gray; Cys 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; Subm submerged; ED existence doubtful; PA position approximate; Rep reported; ⚓ 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.

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, and U.S. Coast Guard.

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

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

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

NOTE B
CAUTION
Mariners are warned not to navigate through the passage between Cayo Ratones and Cayo Morillo because of the many dangerous coral heads and reefs existing in the area.

SOURCE

B2	1970-1989	NOS Surveys	partial bottom coverage
B3	1940-1969	NOS Surveys	partial bottom coverage
B4	1900-1939	NOS Surveys	partial bottom coverage

SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hydrographic survey information that has been entered for charting. Surveys have been bandied in this diagram by year 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.

CAUTION
CHANGES in BUOYAGE
Mariners are advised that major changes in buoyage are being changed to conform to maritime standards of the International Association of Lighthouse Authorities Maritime Buoyage System, Region B. Significant changes are: black port hand buoys to green; black and white vertically striped buoys to red and white vertically striped buoys; and lateral lights from white to red or green as appropriate. Changes to aids to navigation will be announced in the National Imagery and Mapping Agency weekly Notice to Mariners and the U.S. Coast Guard Local Notice to Mariners.

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.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 5. Additions or revisions to the U.S. Army Corps of Engineers regulations are also. Information concerning the regulations may be obtained at the Office of the Commander, 7th Coast Guard District in Miami, FL, or at the Office of the District Engineer, Corps of Engineers in Jacksonville, FL.
Refer to charted regulation section numbers.

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 Puerto Rico datum must be corrected an average of 7.12" southward and 1.31" eastward to agree with this chart.

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

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).

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

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service stations listed below broadcast continuous marine weather broadcasts. The range of these stations is limited to about 40 nautical miles; most stations is usually 20 to 40 miles from the antenna site.

San Juan, P.R.	WXJ-69	162.40 MHz
Mayaguez, P.R.	WXJ-68	162.55 MHz

LOGARITHMIC SPEED SCALE
1 2 3 4 5 6 7 8 9 10 15 20 25 30 40 50 60
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

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