

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 (NCS), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

**CAUTION**  
CHANGES in BUOYAGE  
Mariners are advised that authorized aids to navigation 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 and green as appropriate. Changes to aids to navigation will be announced in the National Geospatial-Intelligence Agency weekly Notice to Mariners and the U.S. Coast Guard Local Notice to Mariners.

Formerly C&GS 918, 1st Ed., Sept. 1905 KAPP 392



# WEST INDIES PUERTO RICO PUERTO YABUCOA

Mercator Projection  
Scale 1:10,000  
North American Datum of 1983  
(World Geodetic System 1984)  
SOUNDINGS IN FEET  
AT MEAN LOWER LOW WATER

- ABBREVIATIONS** (For complete list of Symbols and Abbreviations, see Chart No. 1.)  
Aids to Navigation lights are white unless otherwise indicated:
- AERD aeronautical
  - A flashing
  - B black
  - Bn beacon
  - C can
  - DIA diaphane
  - F fixed
  - Fl flashing
  - G green
  - IS interrupted quick
  - LT lighthouse
  - M nautical mile
  - min minutes
  - MOPO TR microwave tower
  - MR marker
  - N north
  - OC obscured
  - OC occulting
  - Q quick
  - R red
  - Ra Ra radio reflector
  - Rn radio beacon
  - Sh shells
  - Sh sticky
  - S seconds
  - SEC sector
  - SM statute miles
  - VQ very quick
  - W white
  - WMS whistle
  - Y yellow
- Bottom characteristics:**  
Bn broken  
G gravel  
S sand  
Clay  
Co coral  
Gk broken  
Gr grass  
M mud  
Oy oyster  
Rk rock  
Sh shells  
Sd sand  
Sf soft  
Stk rock  
Stk sticky
- Miscellaneous:**  
ADTH authorized  
ED existence doubtful  
Wk wreck, rock, obstruction, or shoal swept clear to the depth indicated  
Rk reef that cover and uncover, with heights in feet above datum of soundings.
- Obtain obstruction**  
PA position approximate  
Rep reported  
Sub submerged

**AUTHORITIES**  
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, and U.S. Coast Guard.  
Additional information can be obtained at [nauticalcharts.noaa.gov](http://nauticalcharts.noaa.gov).

**HURRICANES AND TROPICAL STORMS**  
Hurricanes, tropical storms and other major storms may cause considerable damage to marine structures, aids to navigation and moored vessels, resulting in submerged debris in unknown locations. Charted soundings, channel depths and shorelines may not reflect actual conditions following these storms. Flood aids to navigation may have been damaged or destroyed. Buoys may have been moved from their charted positions, damaged, sunk, extinguished or otherwise made inoperative. Mariners should not rely upon the position or operation of an aid to navigation. Wrecks and submerged obstructions may have been displaced from charted locations. Pipelines may have become uncovered or moved. Mariners are urged to exercise extreme caution and are requested to report aids to navigation discrepancies and hazards to navigation to the nearest United States Coast Guard unit.

**CORAL PROPAGATION**  
Uncharted submerged manmade structures, designed for the purpose of coral propagation, may exist within the limits of this chart, principally in shallow water areas.

**NOAA WEATHER RADIO BROADCASTS**  
The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.  
San Juan, PR WXJ-69 162.400 MHz

**NOTE A**  
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 5. Additions or revisions to Chapter 2 are published in the Notices 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.

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

**CAUTION**  
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.  
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

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

**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.

**HEIGHTS**  
Heights in feet above Mean High Water.

**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).

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

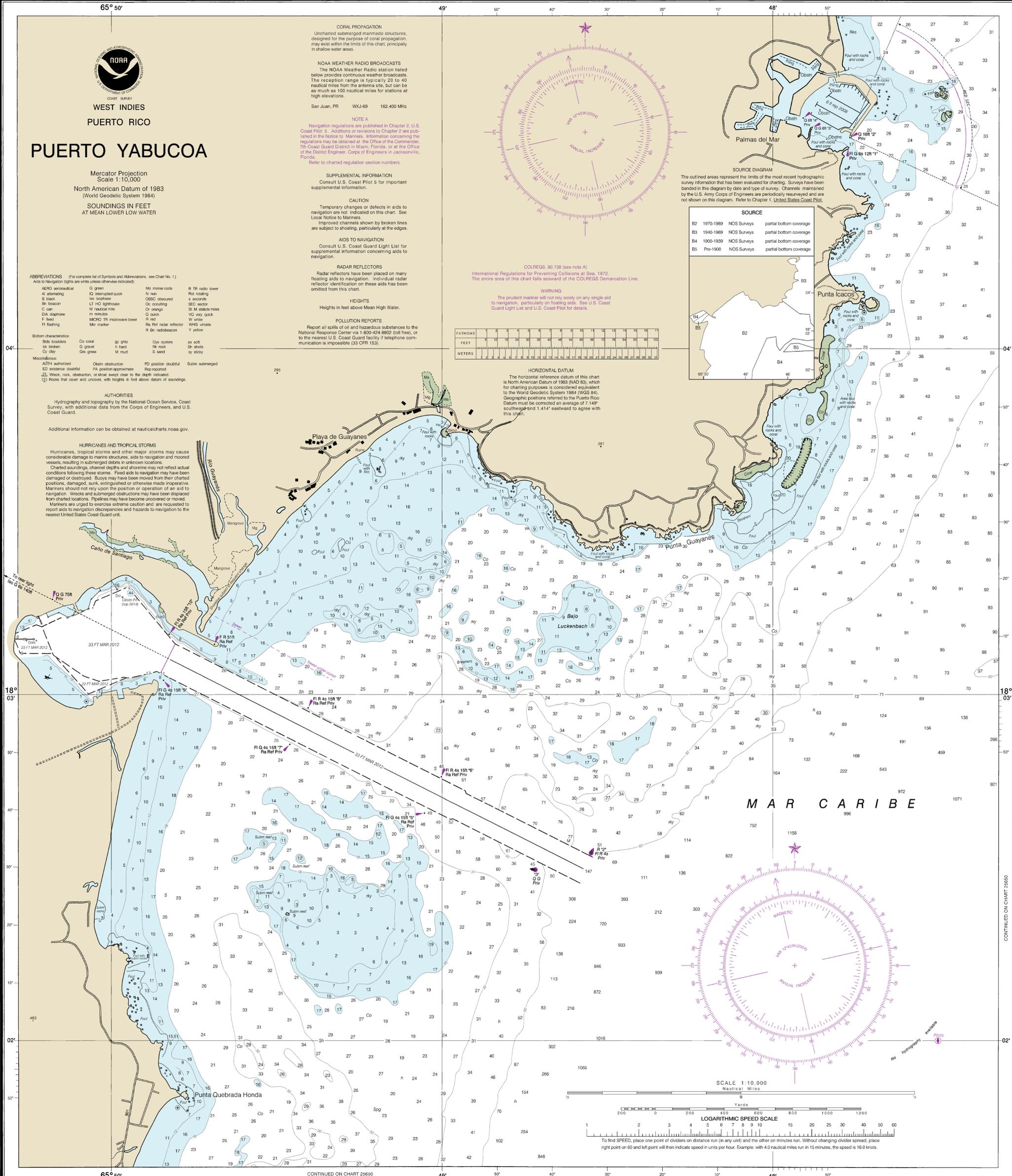
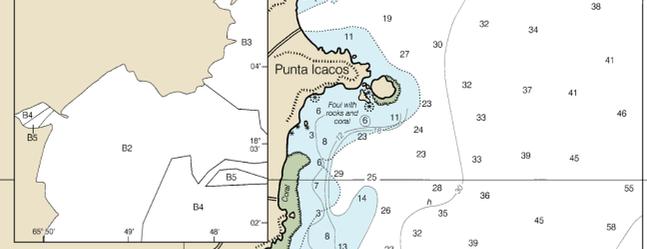
**WARNING**  
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	150	156	162	168	174	180	186	192	198	204	210	216	222	228	234	240	246	252	258	264	270	276	282	288	294	300
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50

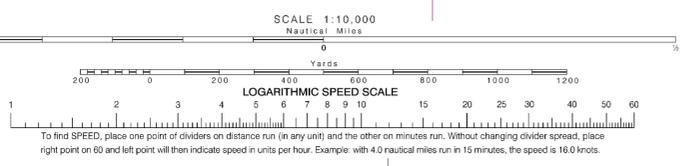
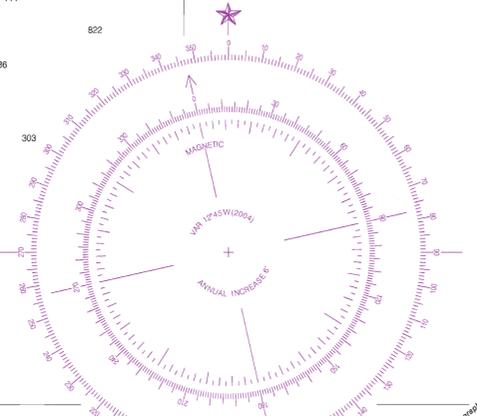
**HORIZONTAL DATUM**  
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the Puerto Rico Datum must be corrected an average of 7.44' southward and 1.414' eastward to agree with this chart.

**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
B5 Pre-1900	NOS Surveys	partial bottom coverage



MAR CARIBE



**CAUTION**  
This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner.

Published at Washington, D.C.  
U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SERVICE  
COAST SURVEY

This chart was distributed as a PDF (Portable Document Format). Printing PDFs may alter the chart scale, color, or legibility that may impact suitability for navigation. Printed charts provided by NOAA certified Print on Demand (POD) providers fulfill a vessel's requirement to carry a navigational chart "published by the National Ocean Service" in accordance with federal regulations, including but not limited to 33 C.F.R. 164.33(a), 33 C.F.R. 164.72(b), and 46 C.F.R. 28.225(a). POD charts meet stringent print standards and can be recognized by an official certification of authenticity printed on the chart. A list of POD providers can be found at: [nauticalcharts.noaa.gov/pod](http://nauticalcharts.noaa.gov/pod)

To ensure that this chart was printed at the proper scale, the line below should measure six inches (152 millimeters). If the line does not measure six inches (152 millimeters), this copy is not certified safe for navigation.