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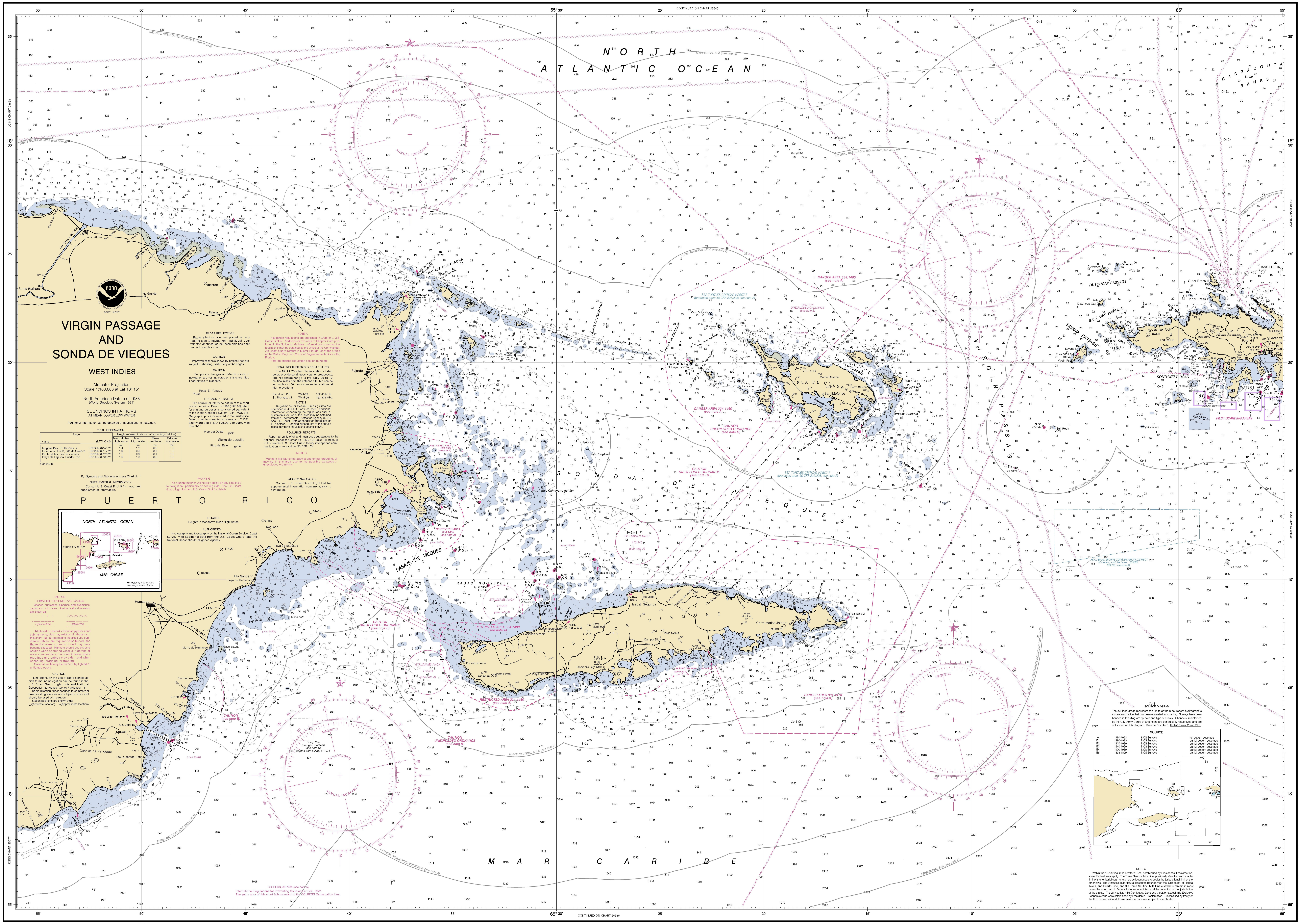
Formerly C&GS 904, 1st Ed., Dec. 1901 C- 1901 -36 KAPP 398

SCALE 1:100,000
Nautical Miles
Yards
Meters

CONTINUED ON CHART 25640


NORTH ATLANTIC OCEAN
BARRACOUTA BANKS
PUERTO RICO
MAR CARIBE
SONDA DE VIEQUES
VIRGIN PASSAGE
ISLA DE CULEBRA
ISLA DE VIEQUES
ST THOMAS
RADA FAJARDO
RADAS ROOSEVELT
PASAJE DE VIEQUES
PASAJE DE SAN JUAN
PASAJE CUCARACHA
PASAJE DE HERMANOS
PASAJE DE BARRILES
SAVANA PASSAGE
SALT CAY PASSAGE
DUTCHCAP PASSAGE
SOUTHWEST ROAD
ST THOMAS HBR
PILOT BOARDING AREAS
Cayo Largo
Isla Piñeros
Isla Cabeza de Perro
Cayo Santiago
Fajardo
Ceiba
Naguabo
Humacao
Yabucoa
Maunabo
Luquillo
Loiza Aldea
Rio Grande
Santa Barbara
Charlotte Amalie
Isabel Segunda
Esperanza
Sail Rock
Cayo Norte
Culebrita
THREE NAUTICAL MILE (see note X)
TERRITORIAL SEA (see note X)
NATURAL RESOURCES BOUNDARY (see note X)
DANGER AREA 334.1460 (see note A)
DANGER AREA 334.1470 (see note A)
RESTRICTED AREA 334.1480 (see note A)
CAUTION UNEXPLODED ORDNANCE (see note B)
EXPLOSIVES ANCH 110.245 (see note A)
SEA TURTLES CRITICAL HABITAT (protected area: 50 CFR 226.208; see note A)
HIND BANK MARINE CONSERVATION DISTRICT (fisheries prohibited area: 50 CFR 622.33; see note A)
VAR 13°00'W (2004) ANNUAL INCREASE 6'
VAR 13°15'W (2004) ANNUAL INCREASE 6'
VAR 12°45'W (2004) ANNUAL INCREASE 6'
Dump Site (dredged material) (see note S) Depths from survey of 1976
JOINS CHART 25668
JOINS CHART 25677
JOINS CHART 25641
CONTINUED ON CHART 25640

VIRGIN PASSAGE AND SONDA DE VIEQUES

WEST INDIES

Mercator Projection
Scale 1:100,000 at Lat 18° 15'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

Additional information can be obtained at nauticalcharts.noaa.gov.

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
Magens Bay, St. Thomas Is.	(18°22'N/64°55'W)	1.4	1.2	0.2	-1.0
Ensenada Honda, Isla de Culebra	(18°18'N/65°17'W)	1.0	0.8	0.1	-1.0
Punta Mulas, Isla de Vieques	(18°09'N/65°26'W)	1.1	0.9	0.1	-1.0
Playa de Fajardo, Puerto Rico	(18°20'N/65°38'W)	1.6	1.3	0.2	-1.0

(Feb 2004)

For Symbols and Abbreviations see Chart No. 1

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

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.

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

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

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 7.157" southward and 1.420" eastward to agree with this chart.

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.

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the U.S. Coast Guard, and the National Geospatial-Intelligence Agency.

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.

NOAA WEATHER RADIO BROADCASTS
The NOAA Weather Radio stations listed below provide 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, P.R.	WXJ-69	162.40 MHz
St. Thomas, V.I.	WXM-96	162.475 MHz

NOTE S
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices. Dumping subsequent to the survey dates may have reduced the depths shown.

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).

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

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

P U E R T O R I C O

NORTH ATLANTIC OCEAN
PUERTO RICO
CULEBRA
ST THOMAS
VIRGIN PASSAGE
SONDA DE VIEQUES
ISLA DE VIEQUES
MAR CARIBE
25663
25667
25653
25655
25654
25649
25665
25666
25664
25661
25659

For detailed information use large scale charts.

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.

CAUTION
Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence 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)

COLREGS, 80.728a (see note A)
International Regulations for Preventing Collisions at Sea, 1972.
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

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

A	1990-1993	NOS Surveys	full bottom coverage
B1	1990-1993	NOS Surveys	partial bottom coverage
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	1834-1899	NOS Surveys	partial bottom coverage

B2
B5
B4
B3
B1
A
B4
B3
B5
B4
B2
B3
B4
18° 30'
10'
18°
50'
40'
65°30
20'
10'
65°

NOTE X
Within the 12-nautical mile Territorial Sea, established by Presidential Proclamation, some Federal laws apply. The Three Nautical Mile Line, previously identified as the outer limit of the territorial sea, is retained as it continues to depict the jurisdictional limit of the other laws. The 9-nautical mile Natural Resource Boundary off the Gulf coast of Florida, Texas, and Puerto Rico, and the Three Nautical Mile Line elsewhere remain in most cases the inner limit of Federal fisheries jurisdiction and the outer limit of the jurisdiction of the states. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone were established by Presidential Proclamation. Unless fixed by treaty or the U.S. Supreme Court, these maritime limits are subject to modification.

34th Ed., Apr. /04 ■ Corrected through NM Apr. 17/04
Corrected through LNM Apr. 06/04

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.

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.

SCALE 1:100,000
Nautical Miles
Yards
Meters

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

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102

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NSN 7642014012010
NGA REFERENCE NO. 25ACO25650

29 inches
42 inches