

Produced by the United States Geological Survey in cooperation with Commonwealth of Virginia, Departments of Mines, Minerals and Energy, and Transportation

Topography compiled 1950. Planimetry derived from imagery taken 1954. Survey control current as of 1956. Contours that conflict with updated major features are dashed

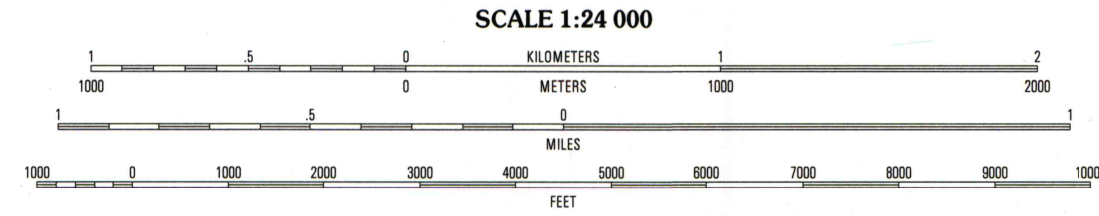
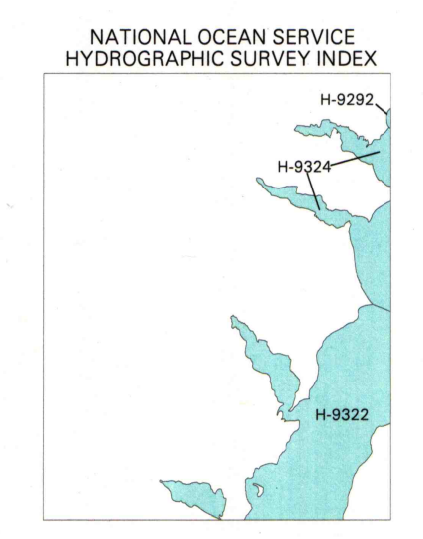
Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes

Mean lower low water (dotted) line and mean high water (heavy solid) line compiled by NOS from tide-coordinated imagery. Apparent shoreline (outer edge of vegetation) shown by light solid line

North American Datum of 1983 (NAD 83). Projection and 1 000-meter grid: Universal Transverse Mercator, zone 18 2 500-meter ticks; Virginia Coordinate System of 1983 (north zone). 10 000-foot ticks; Maryland Coordinate System of 1983

North American Datum of 1927 (NAD 27) is shown by dashed corner ticks. The values of the shift between NAD 83 and NAD 27 for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software

There may be private inholdings within the boundaries of the National or State reservations shown on this map



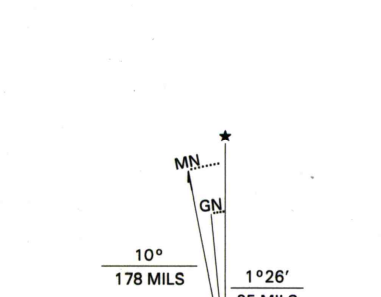
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1989
BATHYMETRIC CONTOUR INTERVAL 1 METER WITH SUPPLEMENTARY 0.5 METER CONTOURS-DATUM IS MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048



ROAD CLASSIFICATION

Primary highway hard surface
Secondary highway hard surface
Interstate Route
U.S. Route
State Route

Light-duty road, hard or improved surface
Unimproved road



1	2	3	1 Independent Hill
4	5	6	2 Occoquan
7	8	9	3 Fort Belvoir
			4 Joppin
			5 Indian Head
			6 Stafford
			7 Widewater
			8 Nanjemoy

ADJOINING 7.5' QUADRANGLE NAMES

BATHYMETRIC SURVEY DATA COMPILES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION 44 ACCURACY STANDARDS AND/OR STANDARDS USED AS OF THE DATE OF THE SURVEYS

FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 25286, DENVER, COLORADO 80225
VIRGINIA DIVISION OF MINERAL RESOURCES, CHARLOTTESVILLE, VIRGINIA 22903
AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20852
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND BATHYMETRY IS AVAILABLE ON REQUEST

HYDROGRAPHIC SURVEY INFORMATION

Survey Number	Survey Date	Survey Scale	Survey Line Spacing (Naut. Miles)
H-9322	1972-73	1:10,000	01-06
H-9324	1972-74	1:10,000	01-05
H-9292	1973	1:10,000	02-05

QUANTICO, VA-MD
1994
NIMA 5561 III SE-SERIES V834

