



Maped, edited, and published by the Geological Survey and the National Ocean Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1963. Field checked 1966

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

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

Polycyclic projection. 10,000-foot grid ticks based on Virginia coordinate system, north zone, and Maryland coordinate system

1000-meter Universal Transverse Mercator grid, zone 18

1927 North American Datum

To place on the predicted North American Datum 1983 move the projection lines 9 meters south and 26 meters west as shown by dashed corner ticks

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information unchecked

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

Revisions shown in purple compiled in cooperation with Commonwealth of Virginia agencies from aerial photographs taken 1977 and other sources. This information not field checked. Map edited 1978

NATIONAL OCEAN SURVEY  
HYDROGRAPHIC SURVEY INDEX

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

BATHYMETRIC CONTOUR INTERVAL 1 METER WITH SUPPLEMENTARY 0.5 METER CONTOURS-DATUM IS MEAN LOW WATER

THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

THE MEAN RANGE OF TIDE IS APPROXIMATELY 0.4 METER

ROAD CLASSIFICATION

Medium-duty ——— Light-duty ———

Unimproved dirt ———

State Route

WIDEWATER, VA. - MD.

38077-D3-TB-024

1966

PHOTOREVISED 1978

BATHYMETRY ADDED 1982

DMA 5660 IV NE-SERIES V834

USGS AND HISTORICAL MAP ARCHIVES

JUL 16 1996

REC'D FILE COPY

BASE MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

BATHYMETRIC SURVEY DATA COMPLIES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION 44 ACCURACY STANDARDS

AND/OR STANDARDS USED AT THE DATE OF THE SURVEY

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

NATIONAL OCEAN SURVEY, ROCKVILLE, MARYLAND 20852

AND VIRGINIA DIVISION OF MINERAL RESOURCES, CHARLOTTESVILLE, VIRGINIA 22903

A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

UTM GRID AND 1978 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

CONVERSION SCALES

Feet Meters

15000 4500

14000 4000

13000 3500

12000 3000

11000 2500

10000 2000

9000 1500

8000 1000

7000 500

6000 400

5000 300

4000 200

3000 100

2000 0

1000 0

0 0

Feet Meters

1 3048

2 6096

3 9144

4 12192

5 15240

6 18288

7 21336

8 24384

9 27432

10 30480

To convert feet to meters multiply by .3048

To convert meters to feet multiply by 3.2808

Exposed at low tide

DEPTH GRADIENT

5 16.4

10 32.8

Maximum depth

QUADRANGLE LOCATION

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