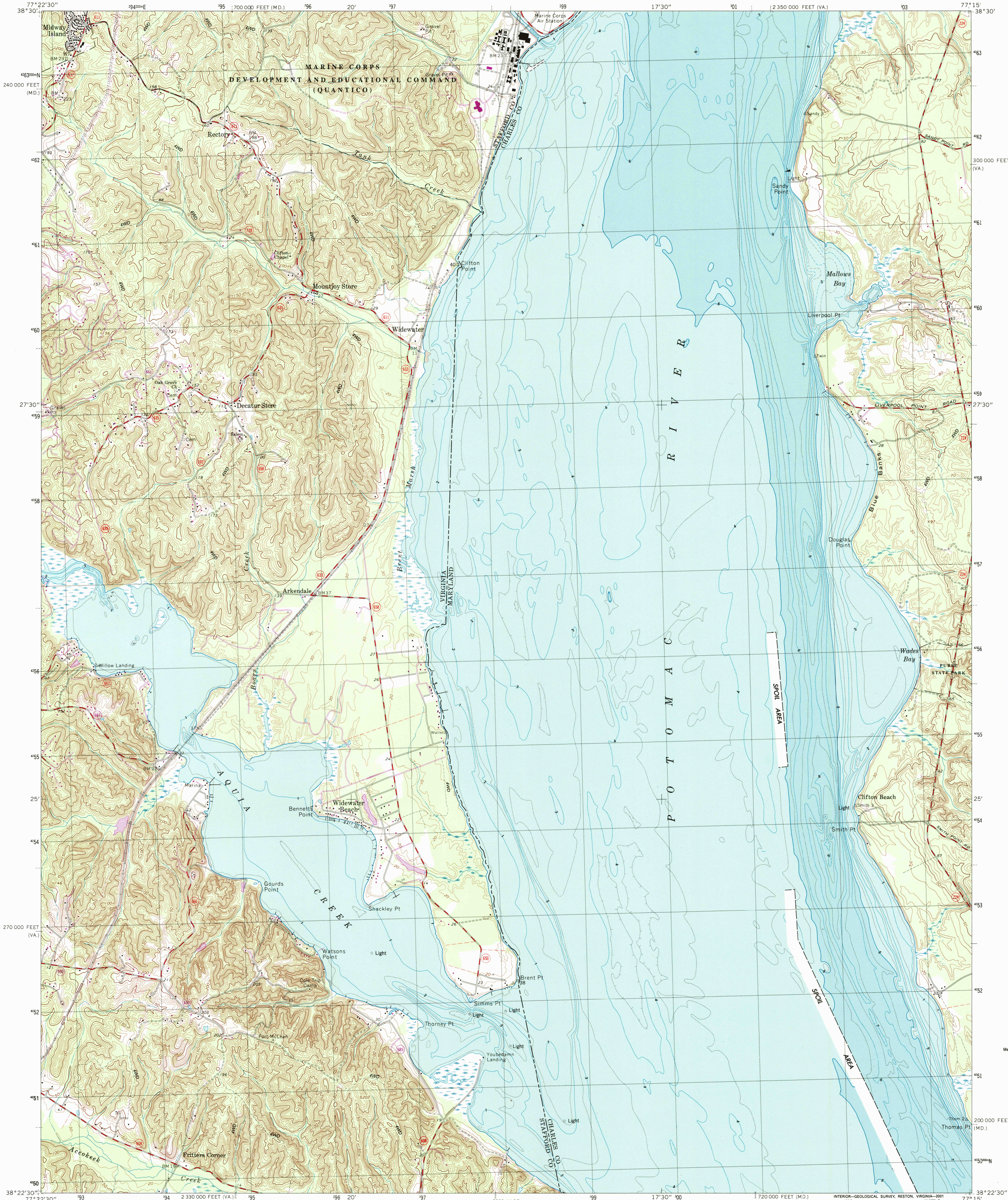
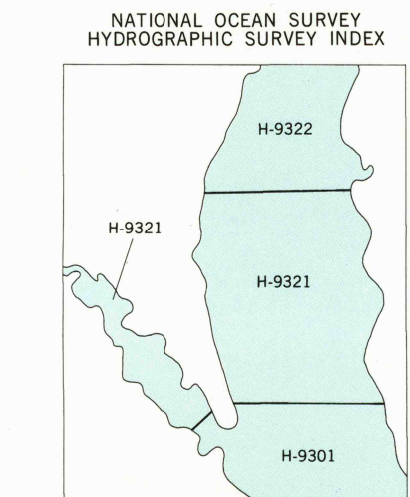




Produced by the United States Geological Survey
Topography compiled 1963. Planimetry derived from imagery taken 1977 and other sources. Photorevised using imagery dated 1998; no major culture or drainage changes observed. Survey control current as of 1966. Boundaries revised 2001.
Bathymetry compiled 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 surveys. Apparent shoreline (outer edge of vegetation) shown by light solid line.
North American Datum of 1927 (NAD 27)
Projection: Virginia coordinate system, north zone (Lambert conformal conic)
10 000-foot ticks: Virginia coordinate system, north zone and Maryland coordinate system
1000-meter Universal Transverse Mercator grid, zone 18
North American Datum of 1983 (NAD 83) is shown by dashed corner ticks. The values of the shift between NAD 27 and NAD 83 for 7.5-minute intersections are obtainable from National Geospatial Survey NADCON software.
There may be private inholdings within the boundaries of the National or State reservations shown on this map.
Information shown in purple may not meet USGS content standards and may conflict with previously mapped contours.



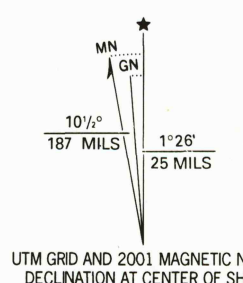
HYDROGRAPHIC SURVEY INFORMATION			
Survey Number	Survey Date	Survey Scale	Survey Line Spacing (Naut. Miles)
H-9301	1972	1:10,000	01-06
H-9321	1972	1:10,000	01-04
H-9322	1972	1:10,000	01-06

SCALE 1:24 000
1 000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 2 3 4 5 6 7 8 9 10 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
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
THE MEAN RANGE OF TIDE IS APPROXIMATELY 0.4 METER
TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048

RECEIVED
AUG 31 2001
HISTORICAL MAP ARCHIVES

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, P.O. BOX 25286, DENVER, COLORADO 80225
AND VIRGINIA DIVISION OF MINERAL RESOURCES, CHARLOTTEVILLE, VIRGINIA 22903
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION
Primary highway, hard surface ——— Light-duty road, hard or improved surface ———
Secondary highway, hard surface ——— Unimproved road ———
Interstate Route ——— U.S. Route ——— State Route ———

1	2	3	1 Joplin
2	3	4	2 Quantico
3	4	5	3 Indian Head
4	5	6	4 Stafford
5	6	7	5 Nanjemoy
6	7	8	6 Frederickburg
7	8	9	7 Passapatanzy
8	9	10	8 King George

ADJOINING 7.5 QUADRANGLE NAMES
WIDEWATER, VA-MD
1998
BATHYMETRY ADDED 1982
NIMA 5660 IV NE-SERIES V834

