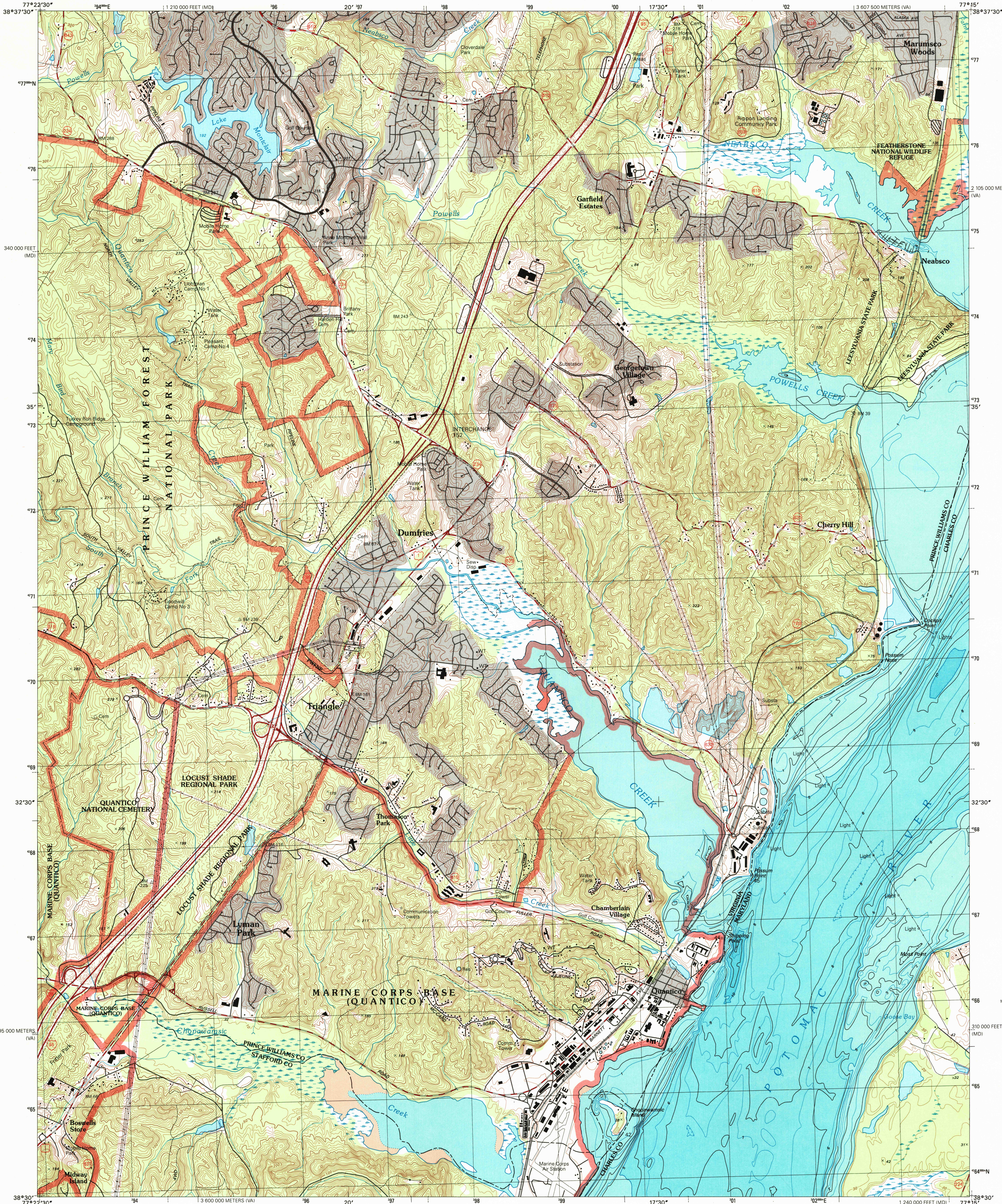
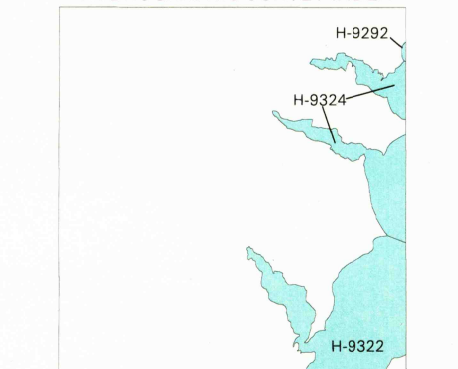




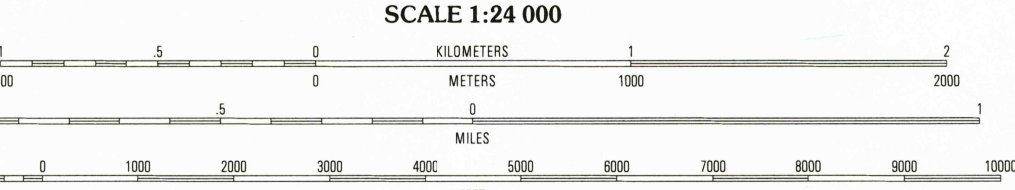
Produced by the United States Geological Survey in cooperation with Commonwealth of Virginia, Departments of Mines, Minerals and Energy, and Transportation. Topography compiled 1950. Planimetry derived from imagery taken 1994. Survey control current as of 1996. Contours that conflict with updated major 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 Geographic Survey NADCON software. There may be private inholdings within the boundaries of the National or State reservations shown on this map.

NATIONAL OCEAN SERVICE
HYDROGRAPHIC SURVEY INDEX



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	01-06
H-9322	1973	1:10,000	02-05



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
TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048

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

QUADRANGLE LOCATION



10°
178 MILS
1°26'
25 MILS

UTM GRID AND 1998 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

ROAD CLASSIFICATION
Primary highway
hard surface
Secondary highway
hard surface
Light-duty road, hard or
improved surface
Unimproved road

Interstate Route U.S. Route State Route

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

ADJOINING 7.5' QUADRANGLE NAMES

QUANTICO, VA-MD

1994

NIMA 5561 III SE-SERIES V834

RECEIVED

NOV 3 0 1998

USGS NMD
HISTORICAL MAP ARCHIVES

