



Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial photographs taken 1967. Field checked 1968  
Supersedes Army Map Service Upper Zion map dated 1949  
Polyconic projection. 10,000-foot grid ticks based on Virginia coordinate system, north and south zones  
1000-meter Universal Transverse Mercator grid ticks, zone 18, shown in blue 1927 North American Datum  
The difference between 1927 North American Datum and North American Datum of 1983 (NAD 83) for 7.5-minute intersections is given in USGS Bulletin 1875. The NAD 83 is shown by dashed corner ticks  
There may be private inholdings within the boundaries of the National or State reservations shown on this map

Map photoinspected 1988  
No major culture or drainage changes observed

SCALE 1:24,000  
CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY  
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
AND VIRGINIA DIVISION OF MINERAL RESOURCES, CHARLOTTESVILLE, VIRGINIA 22903  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION  
Primary highway, all weather. Light-duty road, all weather, hard surface. Improved surface.  
Unimproved road, fair or dry weather. Dashed line.  
U.S. Route. Red circle with number.  
State Route. Red circle with number.

REVISIONS  
1988  
PHOTOINSPECTED 1988  
1989  
PHOTOREVISED 1983  
DMA 5560 II SW - SERIES 9834

