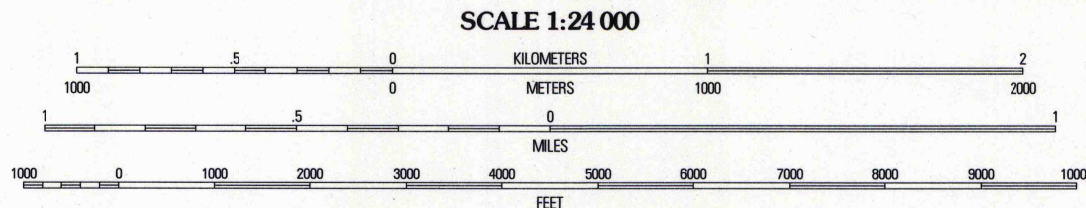
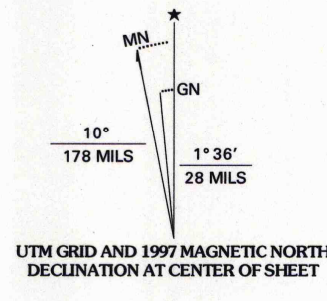
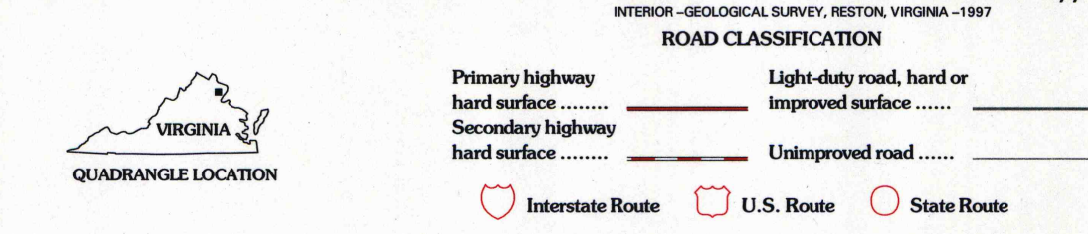


Produced by the United States Geological Survey in cooperation with Commonwealth of Virginia, Departments of Mines, Minerals and Energy, and Transportation. Topography compiled 1965. Planimetry derived from imagery taken 1994. Survey control current as of 1966. Contours that conflict with updated major features are dashed. 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). 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 1929  
TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 25286, DENVER, COLORADO 80225  
AND VIRGINIA DIVISION OF MINERAL RESOURCES, CHARLOTTESVILLE, VIRGINIA 22903  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



QUADRANGLE LOCATION

1	2	3
4	5	6
7	8	

ADJOINING 7.5' QUADRANGLE NAMES

- 1 Thoroughfare Gap
- 2 Galenville
- 3 Manassas
- 4 Catlett
- 5 Independent Hill
- 6 Midland
- 7 Sonerville
- 8 Joplin

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