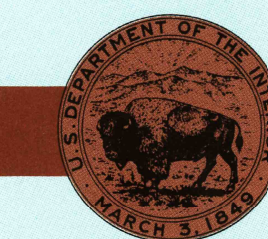


30 X 60 MINUTE QUADRANGLE
SHOWING

- Elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



GEOLOGICAL SURVEY

1985

Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1949-1983. Fluctuations from aerial photographs taken 1983 and other source data. Revised information not field checked. Map edited 1985.
 Projection and 10 000-meter grid, zone 18, Universal Transverse Mercator.
 25 000-foot grid ticks based on North Carolina coordinate system 1927 North American Datum.
 To place on the predicted North American Datum 1983, move the projection lines 12 meters south and 29 meters west.
 There may be private inholdings within the boundaries of the National or State reservations shown on this map.

NATIONAL GEODETIC VERTICAL DATUM OF 1929
 ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARD

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	1985	1983	1	2	3
1	3.2808	13.0	11.0			
2	6.5616	12.0	10.0	4	5	
3	9.8424	11.0	9.0			
4	13.1232	10.0	8.0	6	7	8
5	16.4040	9.0	7.0			
6	19.6848	8.0	6.0			
7	22.9656	7.0	5.0			
8	26.2464	6.0	4.0			
9	29.5272	5.0	3.0			
10	32.8080	4.0	2.0			

To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048

UTM grid convergence (EN) and 1983 magnetic declination (MN) at center of map diagram is approximate

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 RESTON, VIRGINIA 22092



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 Topo Archive

Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, principal street, hard or improved surface
- Other road or street, trail
- Route marker: Interstate, U.S. State
- Railroad: standard gage; narrow gage
- Bridge; overpass; underpass
- Tunnel: road, railroad
- Built up area, locality, elevation
- Airport: landing field; landing strip
- National boundary
- State boundary
- County boundary
- National or State reservation boundary
- Land grant boundary
- U.S. public lands survey: range, township, section
- Range, township, section line: protracted
- Power transmission line: pipeline
- Dam; dam with lock
- Cemetery; building
- Washout; water well; spring
- Mine shaft; site or camp; mine; quarry; gravel pit
- Campground; picnic area; U.S. location monument
- Ruins; cliff dwelling
- Distorted surface: strip mine, lava, sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream, lake: perennial, intermittent
- Rapids, large and small; falls, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Sand; mangrove
- Gravel; vineyard

A pamphlet describing topographic maps is available on request

