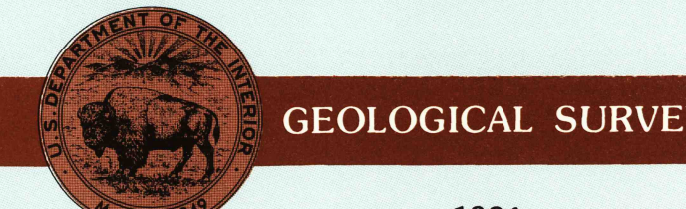


30 X 60 MINUTE QUADRANGLE SHOWING

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



Produced by the United States Geological Survey  
 Compiled from USGS 1:24 000-scale and DMA 1:50 000-scale topographic maps dated 1974-1981. Planimetry revised from aerial photographs taken 1984 and other source data. Revised information not field checked. Map edited 1984.  
 Projection and 10 000-meter grid, zone 18: Universal Transverse Mercator. 25 000-foot grid ticks based on Virginia coordinate system, south zone. 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 11 meters south and 27 meters west.  
 There may be private landholdings 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 COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	UTM Grid Convergence (GN) and 1984 magnetic declination (MD) at center of map. Diagram is approximate.		1	2	3
1	3.2808			1	2	3
2	6.5617			4	5	
3	9.8425			6	7	8
4	13.1234					
5	16.4042					
6	19.6850					
7	22.9659					
8	26.2467					
9	29.5275					
10	32.8084					

USGS NMD HISTORICAL MAP  
 FEB 10 1986 FOR SALE BY U. S. GEOLOGICAL SURVEY RESTON, VIRGINIA 22092  
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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 foot, principal dam
- Cemetery, building
- Well: water well, spring
- Mine shaft; adit or cave; mine, quarry; gravel pit
- Carapground; picnic area; U. S. location monument
- Ruins; cliff dwelling
- Discovered 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
- Soak; mangrove
- Orchard; vineyard

A pamphlet describing topographic maps is available on request

