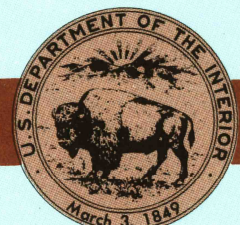




- Contours and elevations  
in meters
- Highways, roads and other  
manmade structures
- Water features
- Woodland areas
- Geographic names



Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps  
dated 1942-1980. Planimetry revised from aerial  
photographs taken 1987 and other source data.  
Revised information not field checked.  
Map edited 1989.

Projection and 10 000-meter grid, zone 10  
Universal Transverse Mercator  
25 000-foot grid ticks based on California coordinate  
system, zones 5 and 4, 1927 North American Datum.  
To place on the predicted North American Datum 1983 move  
the projection lines 7 meters north and 89 meters east.  
There may be private inholdings within the boundaries of  
the National or State reservations shown on this map.  
Where omitted, land lines have not been established.

CONTOUR INTERVAL 50 METERS

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

CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS				
Meters	Feet		1	2	3	4	5
1	3.2808						
2	6.5617						
3	9.8425						
4	13.1234						
5	16.4042						
6	19.6850						
7	22.9659						
8	26.2467						
9	29.5276						
10	32.8084						
To convert meters to feet multiply by 3.2808		UTM grid convergence (G) and 1983 magnetic declination (M) at center of map Diagram is approximate	1	2	3	4	5
To convert feet to meters multiply by 0.3048			6	7	8		

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USGS NMD HISTORICAL MAP  
DISTRIBUTION, VIRGINIA 22092

SEP 11 1989

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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; unextracted	
Power transmission line; pipeline	
Dam; dam with lock	
Cemetery; building	
Wellhead; water well; spring	
Mine shaft; adit or cave; 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	
Scrub; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request

