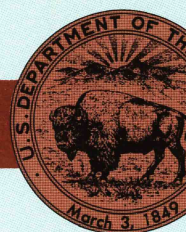




**1:100 000-scale
planimetric map**

- Elevations in meters

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



GEOLOGICAL SURVEY

1984

Produced by the United States Geological Survey
Compiled from USGS 1:24 000-scale topographic maps dated
1968-1981. 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 and north zones
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 10 meters south and 26 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 STANDARDS

Meters	Feet
1	3.2809
2	6.5617
3	9.8425
4	13.1232
5	16.4040
6	19.6848
7	22.9655
8	26.2463
9	29.5270
10	32.8084

DECLINATION DIAGRAM

81°
151 MILS 1 1/2°
27 MILS

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

1	2
4	5
6	7 8

- 1 Charlottesville
- 2 Fredericksburg
- 3 Leonardtown
- 4 Delt
- 5 Tappahannock
- 6 Apomattox
- 7 Petersburg
- 8 Williamsburg

USGS NMD HISTORICAL MAP

SALE BY U. S. GEOLOGICAL SURVEY
BOSTON, URBANIA, 02002

MAR 14 1986

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Topographic Map Symbols

- | | |
|--|---|
| Primary highway, hard surface |  |
| Secondary highway, hard surface |  |
| Light duty road, gravelly surface, or hard or improved surface |  |
| Other road or street, soil |  |
| Road marker: Interstate, U. S. State |   |
| Railroad: standard gauge, narrow gauge |  |
| Bridge, overpass, underpass |  |
| Tunnel: cut, 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: range, township; section |  |
| Race, township, section line, promoted |  |
| Power transmission line, pipeline |  |
| Dam, dam building |  |
| Cemetery: building |  |
| Well, water, well, spring |  |
| Shed, shed, oil, cave, mine, quarry, gravel pit |  |
| Campground, picnic area; U. S. location number |  |
| Ruins, cliff dwelling |  |
| Disturbed surface: spring mine, lake, sand |  |
| Area: pole, intermediate, supplementary |  |
| Bathymetric contour: index, intermediate |  |
| Stream, lake, mire, intermittent |  |
| River, large and small; falls, lake and small |  |
| Area to be submerged, marsh, swamp |  |
| Land, large and small; undisturbed, woodland |  |
| Scrub, mangrove |  |
| Orchard, vineyard |  |

A pamphlet describing topographic maps is available on request

