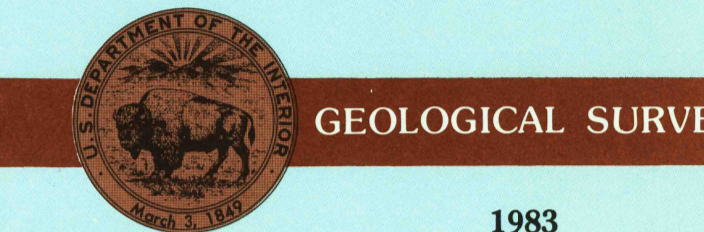


30 X 60 MINUTE QUADRANGLE SHOWING

- 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 and DMA 1:50 000-scale topographic maps dated 1968-1979. Planimetry revised from aerial photographs taken 1977 and other source data. Revised information not field checked. Map edited 1983.

Projection and 10 000-meter grid, zone 18: Universal Transverse Mercator. 25 000-foot grid ticks based on Virginia coordinate system, north and south zones, and Maryland coordinate system 1927 North American Datum.

To place on the predicted North American Datum 1983 move the projection lines 9 meters south and 25 meters north. There may be private inholdings within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 10 METERS
 NATIONAL GEODESIC VERTICAL DATUM OF 1929
 ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS	
Meters	Feet			1	2
1	3.2808			3	4
2	6.5616			4	5
3	9.8424			5	6
4	13.1232			6	7
5	16.4040			7	8
6	19.6848			8	
7	22.9656			9	
8	26.2464			10	
9	29.5272				
10	32.8080				

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

UTM grid convergence (800 and 1000 meters) declination (DM) Diagram is approximate

1 Front Road
 2 Washington West
 3 Washington East
 4 Charlottesville
 5 Charlottesville
 6 Dulham
 7 Richwood
 8 Tappahannock

FOR SALE BY U. S. GEOLOGICAL SURVEY RESTON, VIRGINIA 22092

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: protected
- Power transmission line; pipeline
- Dam: dam with lock
- Cemetery; building
- Windmill; water well; spring
- Mine shaft; adit or cave; mine, quarry; gravel pit
- Campground; picnic area; U. S. location monument
- Ruins; site walling; mounds; masonry
- Distorted surface: strip mine; levee; 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

