



Washington West  
D.C. - VA. - MD.

1:100 000-scale metric  
topographic map

30 X 60 MINUTE QUADRANGLE  
SHOWING

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

1982/83

GEOLOGICAL SURVEY

Produced by the United States Geological Survey  
Compiled from USGS 1:24 000-scale and DMA 1:50 000-scale  
topographic maps dated 1970-1978. Planimetry revised from  
aerial photographs taken 1980 and other source data.  
Revised information not field checked. Map edited 1982.  
Projection and 10 000-meter grid, zone 18 Universal Transverse  
Mercator. 25 000-foot grid ticks based on Virginia coordinate  
system, north zone, 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 west.  
There may be private inholdings within the boundaries of the  
National or State reservations shown on this map.

CONTOUR INTERVAL 10 METERS  
NATIONAL GEODETIC 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	MAGNETIC DECLINATION		ADJOINING MAPS							
1	3.2808			1	2	3					
2	6.5617			4	5						
3	9.8425										
4	13.1234										
5	16.4042										
6	19.6850										
7	22.9659										
8	26.2467										
9	29.5275										
10	32.8084										

To convert meters to feet  
multiply by 3.2808

To convert feet to meters  
multiply by 0.3048

UTM grid convergence  
(GN) and 1982 magnetic  
declination (MD)  
at center of map  
Diagram is approximate

1 Woodstock  
2 Frederick  
3 Baltimore  
4 Front Royal  
5 Washington East  
6 Charlottesville  
7 Fredericksburg  
8 Loudoun

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 gauge; narrow gauge  
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  
Windmill; water well; spring  
Mine shaft; adit or cave; mine; quarry; gravel pit  
Campground; picnic area; U. S. location monument  
Ruins; cliff dwelling  
Disturbed 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