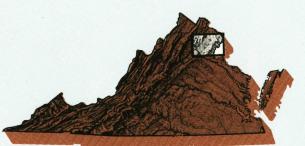
38077-E1-TM-1

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



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 1980–1984 and other source data
Revised information not field checked. Map edited 1986
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

Meters	Feet	*	1	2	3	
1 2	3.2808 6.5617	MN	4		5	
3	9.8425 13.1234	9°	6	7	8	
6 7	16.4042 19.6850 22.9659	160 MILS 1°34′ 28 MILS	1 Winchester 2 Frederick			
8	26.2467 29.5276					
10	32.8084		3 Baltimore			
To convert meters to feet multiply by 3.2808  To convert feet to meters multiply by 0.3048		UTM grid convergence (GN) and 1986 magnetic declination (MN) at center of map Diagram is approximate	4 Front Royal 5 Washington East 6 Charlottesville 7 Fredericksburg 8 Leonardtown			

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## Topographic Map Symbols

Primary highway, hard surface		
Secondary highway, hard surface		
Light duty road, principal street, hard or improved surface $\ldots$	***************************************	
Other road or street; trail	***************************************	
Route marker: Interstate; U. S.; State		7
Railroad: standard gage; narrow gage		
Bridge; overpass; underpass	<del></del>	+
Tunnel: road; railroad		<del></del>
Built up area; locality; elevation	1	• '155
Airport; landing field; landing strip		<del></del>
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		<u> </u>
Cemetery; building	[====]	
Windmill; water well; spring		an
Mine shaft; adit or cave; mine, quarry; gravel pit		× ×
Campground; picnic area; U. S. location monument	<b>X</b> *	
Ruins; cliff dwelling	[]	_
Distorted surface: strip mine, lava; sand		
Contours: index; intermediate; supplementary		
Bathymetric contours: index; intermediate		
Stream, lake: perennial; intermittent	$\sim$	
Rapids, large and small; falls, large and small		10+
Area to be submerged; marsh, swamp		ale ale
Land subject to controlled inundation; woodland	THE RESIDENCE AND PARTY AND	
Scrub; mangrove		A THE BEER
Orchard; vineyard		

A pamphlet describing topographic maps is available on requ