



SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER
CONTOUR INTERVAL 20 METERS

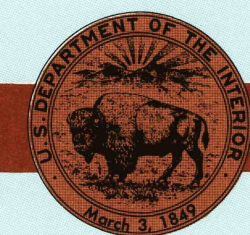
WINCHESTER, VA. – W. VA. – MD

39078-A1-TM-100

1983

VIRGINIA – WEST VIRGINIA
MARYLAND

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



GEOLOGICAL SURVEY

1983

Produced by the United States Geological Survey
Compiled from DMA 1:50 000-scale topographic maps dated
1977-1979. Planimetry revised from aerial photographs taken
1982 and other source data. Revised information not field
checked. Map edited 1983

Projection and 10 000-meter grid, zone 17: Universal Transverse Mercator. 25 000-foot grid ticks based on West Virginia coordinate system, north zone, and Virginia coordinate system, north zone 1927 North American Datum

To place on the predicted North American Datum 1983 move the projection lines 7 meters south and 23 meters west

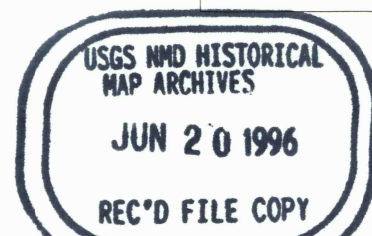
There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 20 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS			
Meters	Fest	★ MN GN		1	2	3	5
1	3,280.8	8°		1	2	3	5
2	6,561.7	142 MILES		4	5	6	7
3	9,842.5	1°36'		6	7	8	
4	13,123.4	2° TALLS					
5	16,404.2						
6	19,685.0						
7	22,965.9						
8	26,246.7						
9	29,527.6						
10	32,808.4						
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and 1959 magnetic declination (MN) at center of map		1 Mequignon 2 Cumberland 3 Hagerston 4 Kingswood 5 Frederick 6 Elkins 7 Frost River 8 Washington West			
To convert feet to meters multiply by 0.3048		Diagram is approximate					



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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 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 range; survey, township; section	
Range, township; section line: protected	
Power transmission line; pipeline	
Waterway: canal, river, stream, lake	
Cemetery; burial ground	
Windmill; water well; spring	
Mine shaft; adit or cave; mine; quarry; gravel pit	
Compound; picnic area; U. S. location monument	
Railroad; dill dwelling	
Intersected surface; strip mine; levee; sand	
Cutouts; inlets; intermediate; supplementary	
Stream; lake; perennial; inlet; intermediate	
Bayhike; bar; intermittent	
Rapids, large and small; falls, large and small	
Area to be submerged; marsh, swamp	
Land subject to controlled inundation; woodland	
Sink; meadow	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request.