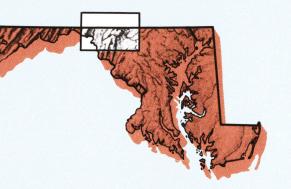


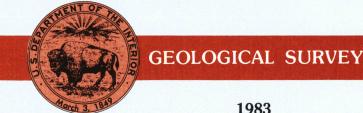
Hagerstown
MARYLAND
PENNSYLVANIA **WEST VIRGINIA**

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 topographic maps dated 1943–1979. Planimetry revised from aerial photographs taken 1981 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 Pennsylvania coordinate system, south zone, Maryland coordinate system, and West 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 25 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

	CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS		
	Meters	Feet	*	1	2	3
	1 2	3.2808 6.5617	MN GN	4		5
	2 3 4 5 6 7 8 9	9.8425 13.1234 16.4042 19.6850 22.9659 26.2467 29.5276 32.8084	9° 160 MILS 1°36′ 28 MILS	6	7	8
				1 Johnstown 2 Carlisle 3 Harrisburg		
	To convert meters to feet multiply by 3.2808 To convert feet to meters multiply by 0.3048		UTM grid convergence (GN) and 1983 magnetic declination (MN) at center of map Diagram is approximate	4 Cumberland 5 York 6 Winchester 7 Frederick 8 Baltimore		
					Banmore	

Topographic Map Symbols

Light duty road, principal street, hard or improved surface Other road or street; trail U. S. public lands survey: range, township; section Mine shaft; adit or cave; mine, quarry; gravel pit

A pamphlet describing topographic maps is available on request

FOR SALE BY U.S. GEOLOGICAL SURVEY P.O. BOX 25286, DENVER, COLORADO 80225

REFERENCE ONLY! C.2