



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

1983

Produced by the United States Geological Survey
Compiled from USGS 1:250 000-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, 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 METRE

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE	
Meters	Feet
1	3.2808
2	6.5617
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

DECLINATION DIAGRAM

UTM grid convergence (6N) and 180 magnetic declination (MN) at center of map. Diagram is approximate.

ADJOINING MAPS

1	2	3
1	2	3
4	5	6
7	8	9

1 Johnston
2 Carlisle
3 Harrisburg
4 Cumberland
5 York
6 Winchester
7 Frederick
8 Baltimore

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: protracted
Power transmission line: pipeline
Dike, dam with foot
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
Dissected surface with 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

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