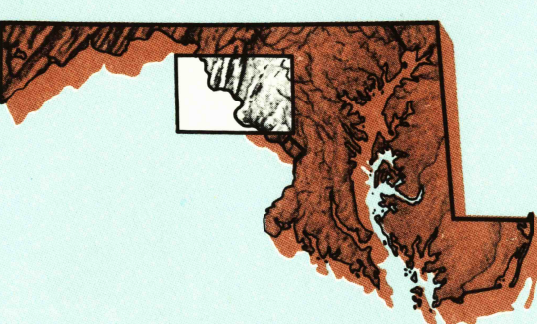


FREDERICK, MARYLAND—VIRGINIA—WEST VIRGINIA

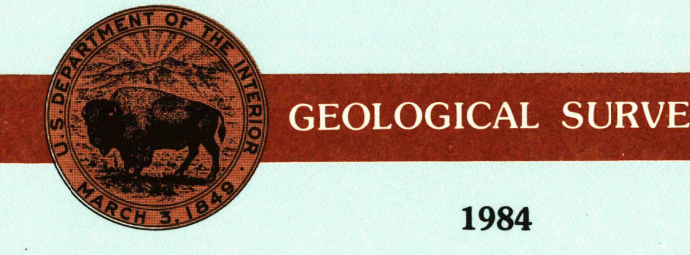
30 X 60 MINUTE SERIES (TOPOGRAPHIC)



Frederick  
MARYLAND—VIRGINIA—  
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 1969–1980. Planimetry revised from aerial photographic taken 1981 and other source data. Revised information not field checked. Map edited 1984.  
Projection and 10 000-meter grid, zone 18: Universal Transverse Mercator.  
25 000-foot grid ticks based on Maryland coordinate system, Virginia coordinate system, north zone, and West Virginia coordinate system, north zone.  
1927 North American Datum  
To place on the predicted North American Datum 1983 move the projection lines 8 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

USGS NHD HISTORICAL MAP  
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
JAN 1 6 1991  
REC'D FILE COPY

CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS		
Meters	Feet		1	2	3
1	3.2808		1	2	3
2	6.5617		4	5	
3	9.8425				
4	13.1234				
5	16.4042				
6	19.6850				
7	22.9658				
8	26.2467				
9	29.5276				
10	32.8084				
To convert meters to feet multiply by 3.2808		UTM grid convergence (G) and magnetic declination (M) at center of map Diagram is approximate	1 Cumberland 2 Hagerstown 3 York 4 Winchester 5 Baltimore 6 Front Royal 7 Washington West 8 Washington East		
To convert feet to meters multiply by 0.3048					

FOR SALE BY U. S. GEOLOGICAL SURVEY  
DENVER, COLORADO 80225, OR 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: protected  
Power transmission line; pipeline  
Dam; dam with lock  
Cemetery; building  
Wetland: water with wetting  
Mine shaft; adit; or cave; mine, quarry; gravel pit  
Campground; picnic area; U. S. location monument  
Ruins; cliff dwelling  
Distorted 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