

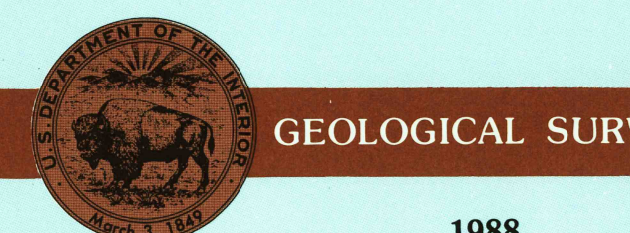
State College PENNSYLVANIA

1:100 000-scale metric
topographic map



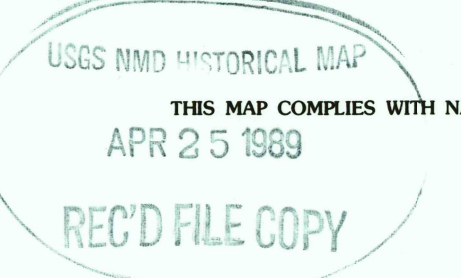
30 X 60 MINUTE QUADRANGLE
SHOWING

- 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 1959-1979. Planimetry revised from aerial photographs taken 1983 and 1985 and other source data. Revised information not field checked. Map edited 1988
Projection and 10 000-meter grid, zone 18
Universal Transverse Mercator
25 000-foot grid ticks based on Pennsylvania coordinate system, south and north zones
1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines 5 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



CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS				
Meters	Feet		1	2	3	4	5
1	3.2808		1	2	3	4	5
2	6.561		6	7	8		
3	9.842						
4	13.123						
5	16.404						
6	19.685						
7	22.966						
8	26.247						
9	29.528						
10	32.809						
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and 1983 magnetic declination (MD) at center of map Diagram is approximate	1	2	3	4	5
To convert feet to meters multiply by 0.3048			6	7	8		

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
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
Windmill, water well, spring
Mine shaft; adit or cave; mine, quarry; gravel pit
Campground, picnic area; U. S. location monument
Ruins; cliff dwelling
Disturbed 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

