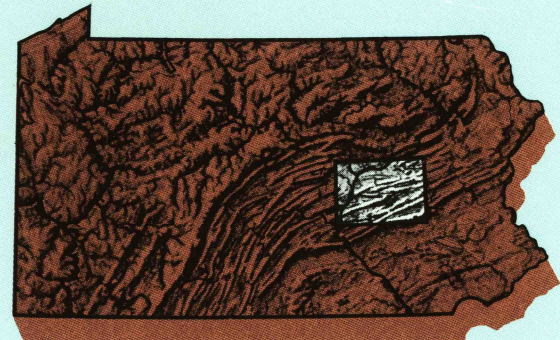


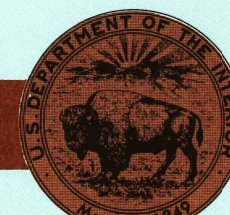
Sunbury
PENNSYLVANIA

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



GEOLOGICAL SURVEY

1984

Produced by the United States Geological Survey
Compiled from USGS 1:24 000-scale topographic maps dated 1944-1969. Planimetry revised from aerial photographs taken 1980-83 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 Pennsylvania coordinate system, south and north zones. 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 6 meters south and 28 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 | 3.2808 | | 1 | 2 | 3 | |
| 2 | 6.5617 | | 4 | 5 | 6 | |
| 3 | 9.8425 | | | | | |
| 4 | 13.1234 | | | | | |
| 5 | 16.4042 | | | | | |
| 6 | 19.6850 | | | | | |
| 7 | 22.9658 | | | | | |
| 8 | 26.2467 | | | | | |
| 9 | 29.5275 | | | | | |
| 10 | 32.8084 | | | | | |
| To convert meters to feet multiply by 3.2808 | | UTM grid convergence (GN) and true magnetic declination (MN) of center of map. Diagram is approximate. | | | | |
| 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: protracted | |
| 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 | |
| Railroad: standard gage; narrow gage | |
| Railroad: standard gage; narrow gage | |
| Railroad: standard gage; narrow gage | |
| Distorted surface: strip mine, lava, sand | |
| Contours: index; intermediate; supplementary | |
| Bathymetric contours: index; intermediate | |
| Stream, lake; perennial; intermittent | |
| Rapids, large and small; falls, weirs 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

USGS WMD HISTORICAL MAP

JAN 0 1989

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SUNBURY, PENNSYLVANIA
40076-E1-TM-100

1984



INTERIOR - GEOLOGICAL SURVEY, RESTON, VIRGINIA - 1988

KILOMETERS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
MILES 1 2 3 4 5 6 7 8 9 10 11 12 13

SCALE 1:100 000
1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
CONTOUR INTERVAL 20 METERS

1000 0 5000 10000 15000 20000 METERS
5000 0 10000 20000 30000 40000 50000 60000 70000 FEET