

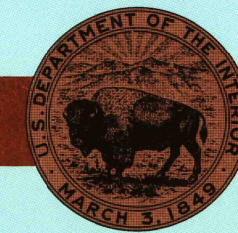


1:100 000-scale metric
topographic map of
Johnstown
PENNSYLVANIA



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

1981

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1971-1973. Planimetry revised from aerial photographs taken 1977 and other source data. Revised information not field checked. Map edited 1981.

Projection and 10 000-meter grid, zone 17: Universal Transverse Mercator
25 000-foot grid ticks based on Pennsylvania coordinate system, south zone
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 5 meters south and 22 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		7	8	9	
4	13.1234		10	11	12	
5	16.4043		13	14	15	
6	19.6852		16	17	18	
7	22.9660		19	20	21	
8	26.2469		22	23	24	
9	29.5278		25	26	27	
10	32.8084		28	29	30	
To convert meters to feet multiply by 3.2808		To convert feet to meters multiply by 0.3048		UTM grid convergence (GN and TN) magnetic declination (MN) at center of map. Diagram is approximate.		

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USGS/NHD
HISTORICAL MAP ARCHIVES

Topographic Map Symbols

Primary highway, hard surface	Secondary highway, hard surface	Other road or street, hard or improved surface	Road 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: projected	Power transmission line: pipeline	Dam; dam with lock	Cemetery; building	Woods: water well; spring	Mini shift: well 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
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A pamphlet describing topographic maps is available on request
FOR SALE BY U. S. GEOLOGICAL SURVEY
P.O. BOX 25286, DENVER, COLORADO 80225

JOHNSTOWN, PA.
N4000-W7800/30 X 60

1981



TOTAL RECOVERED FIBER