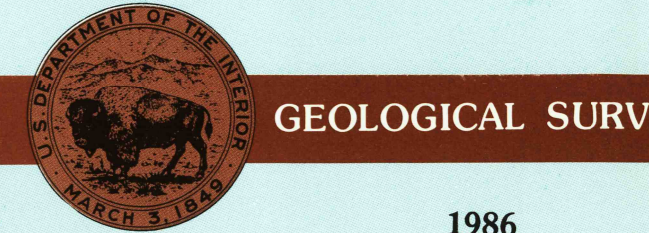




30 X 60 MINUTE QUADRANGLE SHOWING

- Elevations in meters
- Highways, roads and other manmade structures
- Water features
- Geographic names



Produced by the United States Geological Survey  
 Compiled from USGS 1:24 000-scale topographic maps dated 1952-1981. Planimetry revised from aerial photographs taken 1952-83 and other source data. Revised information not field checked. Map edited 1986.

Projection and 10 000-meter grid, zone 17, Universal Transverse Mercator  
 25 000-foot grid ticks based on Ohio coordinate system, north zone and Pennsylvania coordinate system, north and south zones  
 1927 North American Datum  
 To place on the predicted North American Datum 1983, move the projection lines 2 meters south and 17 meters west  
 There may be private inholdings within the boundaries of the National or State reservations shown on this map

NATIONAL GEODETIC VERTICAL DATUM OF 1929 ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4043
6	19.6852
7	22.9660
8	26.2469
9	29.5278
10	32.8084

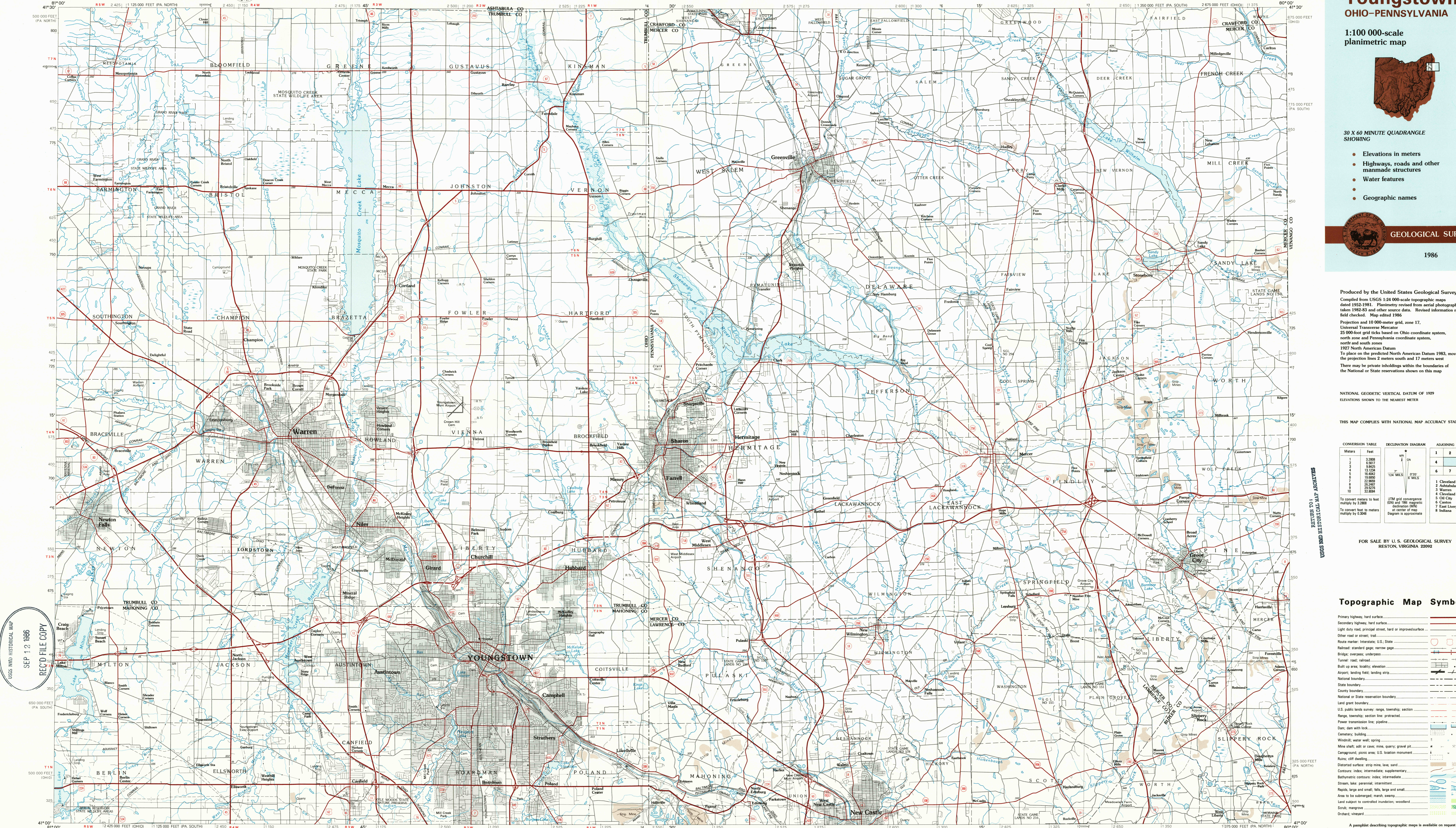
To convert meters to feet multiply by 3.2808  
 To convert feet to meters multiply by 0.3048

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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
- Rock marker, intermittent, U.S. State
- Rock marker, 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
- Ramp, tonnage, section line, uncontracted
- Power transmission line, pipeline
- Dam, dam with lock
- Cemetery, building
- Windmill, water well, spring
- Mine shaft, shaft or cave, mine, quarry, gravel pit
- Campground, picnic area, U.S. location monument
- Ruin, cliff dwelling
- Distorted surface, strip mine, lava, sand
- Contours, index, intermediate, supplementary
- Bathymetric contours, index, intermediate
- Stream, lake, reservoir, 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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