



# Lima

## OHIO-INDIANA

1:100 000-scale metric topographic map

RECEIVED  
JUL 31 1999  
USGS-NM  
HISTORICAL MAP ARCHIVES

**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**

1986  
PHOTOINSPECTED 1989

Produced by the United States Geological Survey  
Compiled from USGS 1:24 000-scale topographic maps dated 1960-1983. Planimetry revised from aerial photographs taken 1980-1981 and other source data. Revised information not field checked. Map edited 1989.

Projection and 10 000-meter grid, zone 16  
Universal Transverse Mercator  
25 000-foot grid ticks based on Ohio coordinate system, north zone and Indiana coordinate system, east zone  
1927 North American Datum  
To place on the predicted North American Datum 1983, move the projection lines 1 meter south and 5 meters west  
There may be private inholdings within the boundaries of the National or State reservations shown on this map  
Map photoinspected using 1989 photographs  
No major culture or drainage changes found

CONTOUR INTERVAL 5 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	
2	6.5617		4	
4	13.1234		5	
6	19.6851		6	
8	26.2468		7	
10	32.8085		8	
To convert meters to feet multiply by 3.2808			UTM grid convergence (GN) and 1983 magnetic declination (MN) at center of map. Diagram is approximate.	1 Fort Wayne 2 Defiance 3 Findlay 4 Wapakoneta 5 Marion 6 Mansfield 7 Piquette 8 Bellefontaine
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	
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, old dwelling	
Distorted surface: strip mine, lava, sand	
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

FOR SALE BY U.S. GEOLOGICAL SURVEY  
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