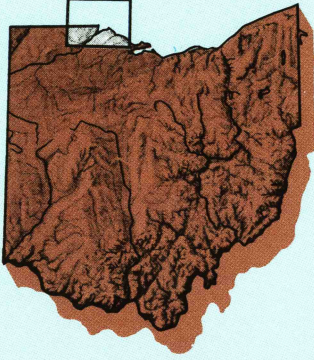


# Toledo

## OHIO-MICHIGAN

1:100 000-scale  
planimetric map



30 X 60 MINUTE QUADRANGLE  
SHOWING

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



GEOLOGICAL SURVEY

1986

Produced by the United States Geological Survey  
Compiled from USGS 1:24 000-scale topographic maps dated 1960-1981. Planimetry revised from aerial photographs taken 1983 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 Michigan coordinate system, south zone 1927 North American Datum  
To place on the predicted North American Datum 1983, move the projection lines 1 meter south and 6 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

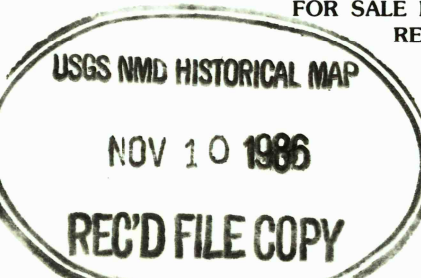
CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS				
Meters	Feet			1	2	3	4	5
1	3.2808			1	2	3	4	5
2	6.5617			4	5	6	7	8
3	9.8425			1	2	3	4	5
4	13.1234			4	5	6	7	8
5	16.4042			1	2	3	4	5
6	19.6850			4	5	6	7	8
7	22.9658			1	2	3	4	5
8	26.2467			4	5	6	7	8
9	29.5275			1	2	3	4	5
10	32.8084			4	5	6	7	8

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

UTM grid convergence (NM) and 1983 magnetic declination (MN) at center of map  
Diagram is approximate

1 Jackson  
2 Detroit  
3 Lake St Clair South  
4 Adams  
5 Put-In-Bay  
6 Delaware  
7 Findlay  
8 Lima

FOR SALE BY U.S. GEOLOGICAL SURVEY  
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.
- 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.
- Ruin; cliff dwelling.
- Distorted surface: strip mine, lava, sand.
- Contours: index; intermediate; supplementary.
- Bathymetric contours: index; intermediate.
- Stream, lake; perennial; intermittent.
- Rapids; large and small; tide; 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