



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 PHOTOINSPECTED 1986-87

Produced by the United States Geological Survey  
 Compiled from USGS 1:24 000-scale topographic maps dated 1954-1982. Planimetry revised from aerial photographs taken 1982 and other source data. Revised information not field checked. Map edited 1984.  
 Projection and 10 000-meter grid, zone 16, Universal Transverse Mercator  
 25 000-foot grid ticks based on Wisconsin coordinate system, central and south zones  
 1927 North American Datum  
 To place on the predicted North American Datum 1983, move the projection lines 4 meters north and 5 meters east  
 There may be private inholdings within the boundaries of the National or State reservations shown on this map  
 Map photoinspected using 1986-87 photographs  
 No major culture or drainage changes found  
 CONTOUR INTERVAL 10 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	Magnetic (M) vs True (T) declination diagram		1	2	3
1	3.2808			4	5	
2	6.5617			6	7	8
3	9.8425			1 Shawano		
4	13.1234			2 Sturgeon Bay		
5	16.4042			3 Crystal Lake		
6	19.6850			4 Appleton		
7	22.9659			5 Manitowish		
8	26.2467			6 Fond du Lac		
9	29.5276			7 Sheboygan		
10	32.8084			8 Ludington		

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 ARTHUR H. ROBINSON MAP LIBRARY  
 University of Wisconsin-Madison

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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: protected
- Power transmission line; pipeline
- Dam; dam with lock
- Cemetery; building
- Well; water well; spring
- Mine shaft; adit 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

A pamphlet describing topographic maps is available on request

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