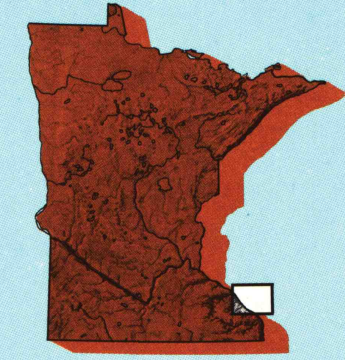




Winona

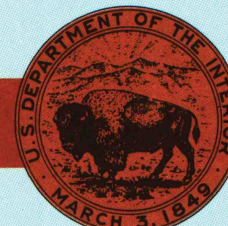
MINNESOTA-WISCONSIN

1:100 000-scale metric
topographic map



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

1985
PHOTOINSPECTED 1986

Produced by the United States Geological Survey
Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1968-1974. Planimetry revised from aerial photographs taken 1981 and other source data. Revised information not field checked. Map edited 1985.
Projection and 10 000-meter grid, zone 15, Universal Transverse Mercator
25 000-foot grid ticks based on Wisconsin coordinate system, central and south zones and Minnesota coordinate system, south zone, 1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines 7 meters north and 13 meters east
There may be private holdings within the boundaries of the National or State reservations shown on this map
Map photoinspected using 1986 photographs
No major culture or drainage changes found
CONTOUR INTERVAL 20 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO NEAREST METER

THIS MAP COMPLES 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	
3	9.8425		6	7	8
4	13.1234				
5	16.4042				
6	19.6850				
7	22.9659				
8	26.2467				
9	29.5275				
10	32.8084				
To convert meters to feet multiply by 3.2808		UTM grid convergence (NAD 83) magnetic declination (MNN) at center of map. Diagram is approximate.			
To convert feet to meters multiply by 0.3048					

FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

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MAP LIBRARY
MAR 29 1990

University of Wisconsin
Madison

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.....	.....
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, pre-1863.....	.....
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, levee 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

WINONA, MINNESOTA-WISCONSIN
44091-A1-TM-100

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NON-
CIRCULATING

SET
B006-9/8
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