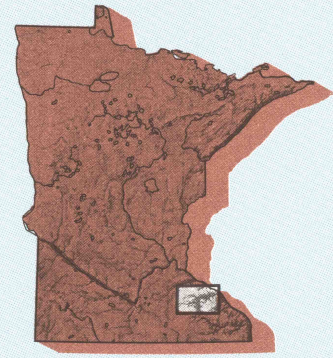




Rochester

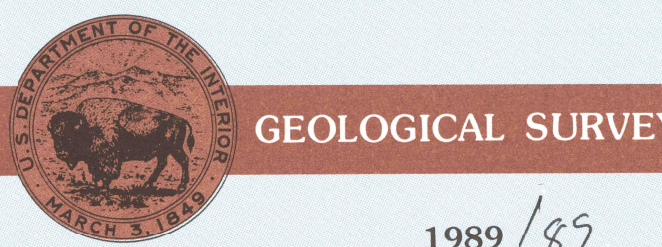
MINNESOTA-WISCONSIN

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



Produced by the United States Geological Survey
Compiled from USGS 1:24 000-scale topographic maps dated 1965-1982. Planimetry revised from aerial photographs taken 1986-87 and other source data. Revised information not field checked. Map edited 1989.
Projection and 10 000-meter grid, zone 15, Universal Transverse Mercator
25 000-foot grid ticks based on Minnesota and Wisconsin coordinate systems, south and central zones
1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines 7 meters north and 15 meters east
There may be private inholdings within the boundaries of the National or State reservations shown on this map

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			1	2	3	
1	3.2808			4	5	6	
2	6.5617			7	8	9	
3	9.8425			10	11	12	
4	13.1234	To convert meters to feet multiply by 3.2808		13	14	15	
5	16.4043			16	17	18	
6	19.6852	To convert feet to meters multiply by 0.3048		19	20	21	
7	22.9661			22	23	24	
8	26.2470	UTM grid convergence (GN) and 180 magnetic declination (MD) at center of map. Diagram is approximate.		25	26	27	
9	29.5279			28	29	30	
10	32.8088			31	32	33	



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HISTORICAL MAP ARCHIVES

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, preferred
- Power transmission line, pipeline
- Dam: dam with lock
- Cemetery: building
- Windmill: water well, spring
- Mine shaft, old or new, 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
- Salt: mangrove
- Orchard, vineyard

A pamphlet describing topographic maps is available on request

