



30 X 60 MINUTE QUADRANGLE SHOWING

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

3-27-81
3000



GEOLOGICAL SURVEY

1980

Produced by the United States Geological Survey
 Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1955-1975. Planimetry revised from aerial photographs taken 1975 and 1979 and other source data. Revised information not field checked. Map edited 1980.
 Projection and 10 000-meter grid, zone 15.
 Universal Transverse Mercator
 25 000-foot grid ticks based on Wisconsin coordinate system, north zone and Michigan coordinate system, north zone 1927 North American Datum
 To place on the predicted North American Datum 1983 move the projection lines 6 meters north and 11 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	Magnetic Declination		1	2	3
1	3.2808	GN		4	4	5
2	6.5617	MN		6	7	8
3	9.8425	32 MILS		1 Port Wing		
4	13.1234	1° 52'		2 Ashland		
5	16.4042	2° 36'		3 Ontonagon		
6	19.6850	32 MILS		4 Solon Springs		
7	22.9659	UTM grid convergence		5 Wakefield		
8	26.2467	(GN and 1980 magnetic)		6 Spooner		
9	29.5275	declination (MN)		7 Park Falls		
10	32.8084	at center of map		8 Rhineland		
To convert meters to feet multiply by 3.2808		Diagram is approximate				
To convert feet to meters multiply by 0.3048						

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 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
- 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: protracted
- Power transmission line: pipeline
- Dam, dam with lock
- Cemetery, building
- Windmill, water well, spring
- Mine shaft; pit 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