

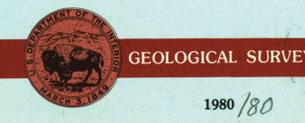


# 1:100 000-scale metric topographic map of Port Wing WISCONSIN-MINNESOTA



NOV 12 1980  
USGS Historical File Topographic Division

- 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 and 1:62 500-scale topographic maps dated 1953-1975. Planimetry revised from aerial photographs taken 1978-79 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 and Minnesota coordinate systems, north zones  
 1927 North American Datum  
 To place on the predicted North American Datum 1983 move the projection lines 6 meters north and 13 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		MAP NUMBER	
1	3.2808	MAGNETIC DECLINATION		1	2
2	6.5617	MAGNETIC DECLINATION		4	5
3	9.8425	MAGNETIC DECLINATION		6	7
4	13.1234	MAGNETIC DECLINATION		8	8
5	16.4042	MAGNETIC DECLINATION		ADJOINING MAPS	
6	19.6850	MAGNETIC DECLINATION		1	Hibbing
7	22.9659	MAGNETIC DECLINATION		2	Two Harbors
8	26.2467	MAGNETIC DECLINATION		3	Outer Island
9	29.5275	MAGNETIC DECLINATION		4	Duluth
10	32.8084	MAGNETIC DECLINATION		5	Ashland
To convert meters to feet multiply by 3.2808		UTM grid convergence (EN and 100 magnetic declination (MN) at center of map Diagram is approximate		6	Sandstone
To convert feet to meters multiply by 0.3048				7	Solen Springs
				8	Ironwood

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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 gauge, narrow gauge
- Bridge: overpass, underpass
- Tunnel: road, railroad
- Built up area; locality; elevation
- Airport; landing field; landing strip
- National boundary
- State boundary
- County boundary
- Natural 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
- Ruins; cliff dwelling
- Distorted surface: strip mine, lava, sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream, lake; perennial; intermittent
- Maple; large and small; pine, larch and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Spruce; mangrove
- Orchard; vineyard

A pamphlet describing topographic maps is available on request

RETURN TO: USGS AND HISTORICAL MAP ARCHIVES