

GRAND PORTAGE, MINNESOTA-MICHIGAN

30 X 60 MINUTE SERIES (PLANIMETRIC)



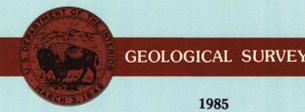
Grand Portage MINNESOTA-MICHIGAN

1:100 000-scale planimetric map



30 X 60 MINUTE QUADRANGLE SHOWING

- 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 1957-1985. Planimetry revised from aerial photographs taken 1982-84 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 Michigan coordinate system, north zone and Minnesota coordinate system, north zone 1927 North American Datum
 To place on the predicted North American Datum 1983, move the projection lines 3 meters north and 8 meters east
 There may be private inholdings within the boundaries of the National or State reservations shown on this map

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		<table border="1"> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td></td></tr> </table>	1	2	3	4	5	6	7	8	
1	2			3								
4	5			6								
7	8											
1	3.2808											
2	6.5617											
3	9.8425											
4	13.1234											
5	16.4042											
6	19.6850											
7	22.9659											
8	26.2467											
9	29.5276											
10	32.8084											

To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048

UTM grid convergence (GN) and 1985 magnetic declination (MN) at center of map
 Diagram is approximate

1 Saganaga Lake
 2 Pigeon Point
 3 Todd Harbor
 4 Grand Marais
 5 Siskiwit Bay
 6 Outer Island
 7 Hancock

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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	
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: 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	
Rapids, large and small; falls, large and small	
Areas to be submerged; marsh, swamp	
Land subject to controlled inundation; woodland	
Scrub; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request

SCALE 1:100 000
 1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

KILOMETERS 1 0 1 2 3 4 5 6 7 8 9 10 11 12
 METERS 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 20000 30000 40000

MILES 1 2 3 4 5 6 7 8

GRAND PORTAGE, MINNESOTA-MICHIGAN
 47089-E1-PL-100
 1985

Boob-7/8
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