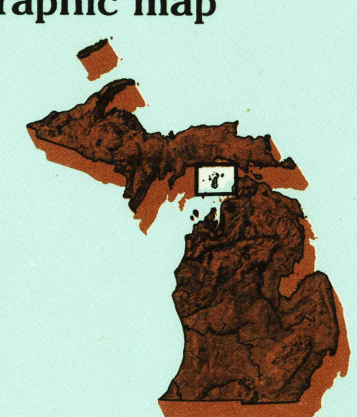




# Beaver Island

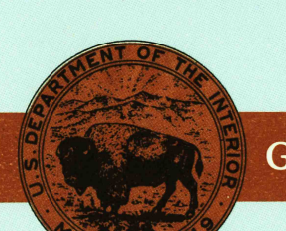
## MICHIGAN

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

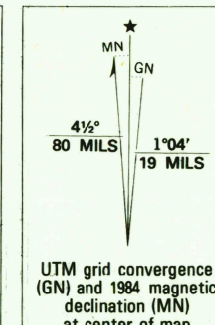


GEOLOGICAL SURVEY

1984  
PHOTOINSPECTED 1986

Produced by the United States Geological Survey  
Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1955-1982. Planimetry revised from aerial photographs taken 1981 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, central and north zones  
1927 North American Datum  
To place on the predicted North American datum 1983, move the projection lines 4 meters north and 5 meters east  
There may be private inholdings 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 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		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	29.5276					
10	32.8084					
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and 1984 magnetic declination (M) at center of map Diagram is approximate				
To convert feet to meters multiply by 0.3048						

1 Munising  
2 Manistique Lake  
3 Sault Ste. Marie  
4 Marquette  
5 Cheboygan  
6 Washington Island  
7 Charlevoix  
8 Petokey

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

USGS NMD HISTORICAL MAP  
JAN 24 1990  
REC'D FILE COPY  
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.	
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