



# Harbor Beach

## MICHIGAN-ONTARIO

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 1988

Produced by the United States Geological Survey  
 Compiled from USGS 1:24 000-scale topographic maps dated 1963-1970. Planimetry revised from aerial photographs taken 1982 and other source data. Revised information not field checked. Map edited 1984.  
 Projection and 10 000-meter grid, zone 17, Universal Transverse Mercator  
 25 000-foot grid ticks based on Michigan coordinate system, south zone  
 1927 North American Datum  
 To place on the predicted North American Datum 1983, move the projection lines 1 meter north and 9 meters west  
 There may be private inholdings within the boundaries of the National or State reservations shown on this map  
 Map photoinspected using 1987 and 1988 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	MAGNETIC		1	2
1	3.2808	10°		3	4
2	6.5617	10°		5	6
3	9.8425	10°		7	8
4	13.1234	10°			
5	16.4042	10°			
6	19.6850	10°			
7	22.9659	10°			
8	26.2467	10°			
9	29.5276	10°			
10	32.8084	10°			

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

UTM grid convergency (GN) and 1984 magnetic declination (MD) at center of map  
 Diagram is approximate

1 Tawas City  
 2 Pointe aux Barques  
 3 Bay City  
 4  
 5  
 6 Flint  
 7 Crowell  
 8

FOR SALE BY U.S. GEOLOGICAL SURVEY  
 DENVER, COLORADO 80225, OR 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, projected
- 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, old dwelling
- Dissected 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