

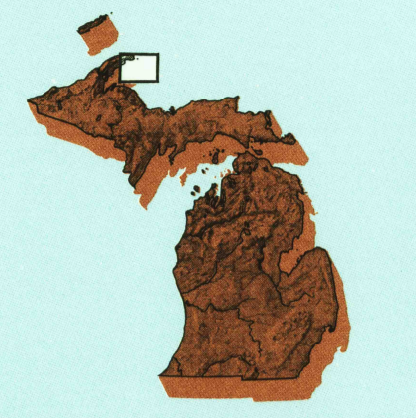
COPPER HARBOR, MICHIGAN

30 X 60 MINUTE SERIES (TOPOGRAPHIC)



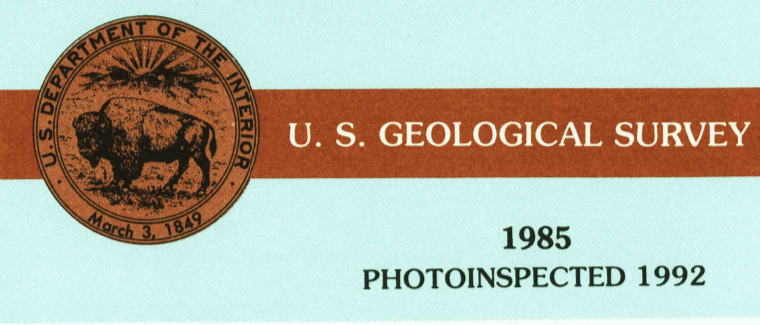
Copper Harbor MICHIGAN

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



Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1948-1975. Planimetry revised from aerial photographs taken 1983 and other source data. Revised information not field checked. Map edited 1985
 1927 North American Datum (NAD 27). Projection and 10 000-meter grid. Universal Transverse Mercator, zone 16 25 000-foot ticks: Michigan coordinate system, north zone
 The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datums for 7.5-minute intersections are given in USGS Bulletin 1875
 There may be private inholdings within the boundaries of the National or State reservations shown on this map
 Map photoinspected using 1992 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		4 5
2	6.5617		6 7 8
3	9.8425		1 Siskiwit Bay
4	13.1234		2 Hancock
5	16.4042		3 Au Sable Point
6	19.6850		
7	22.9659		
8	26.2467		
9	29.5275		
10	32.8084		

UTM grid convergence (GM) and magnetic declination (MD) at center of map
 Diagram is approximate

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USGS AND HISTORICAL MAP ARCHIVE
 JAN 05 1995
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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 gage; narrow gage
- Bridges: overpass, underpass
- Tunnel: road; railroad
- Built up area, locality, elevation
- Airport: landing field; landing strip
- National boundary
- State boundary
- County boundary
- Civil township 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
- Ripple: large and small; falls, large and small
- Area to be submerged: marsh, swamp
- Land subject to controlled inundation, woodland
- Scrub; mangrove
- Orchard; vineyard