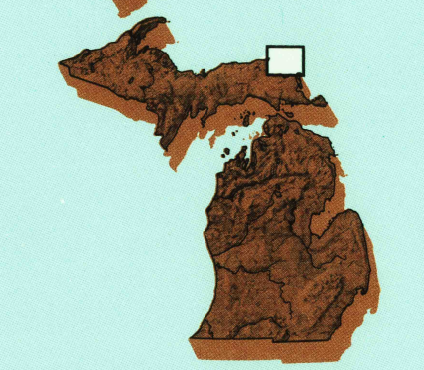
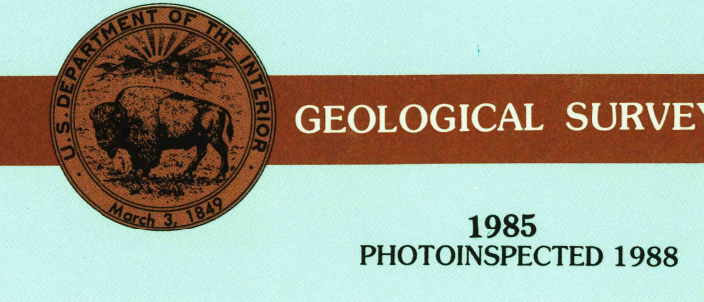


Sault Ste. Marie North MICHIGAN-ONTARIO

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



Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1951-1976. Planimetry revised from aerial photographs taken 1982-83 and other source data. Revised information not field checked. Map edited 1985. Canadian portion copied from Department of Energy, Mines and Resources 1:50 000-scale topographic maps dated 1975 and 1983
 Projection and 10 000-meter grid, zone 16
 Universal Transverse Mercator
 25 000-foot grid ticks based on Michigan 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 1 meter east
 There may be private inholdings within the boundaries of the National or State reservations shown on this map
 Map photoinspected using 1986 and 1988 photographs
 No major culture or drainage changes found

CONTOUR INTERVAL 10 METERS IN UNITED STATES
 CONTOUR INTERVAL 50 FEET IN CANADA
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 ELEVATIONS SHOWN TO THE NEAREST METER
 THE U.S. PORTION OF THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	MN	GN	1	2	3
1	3.2808			4	5	
2	6.5617					
3	9.8425					
4	13.1234					
5	16.4042					
6	19.6850					
7	22.9659					
8	26.2467					
9	29.5275					
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 MN magnetic declination (MN) at center of map
 Diagram is approximate

1 Two Hearted River
 2 Manistique Lake
 3 Sault Ste. Marie South
 4 Drummond

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 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
- National or State reservation boundary
- Land grant boundary
- U.S. public lands survey; range, township, section
- Range, township, section line: protected
- Power transmission line; pipeline
- Dam; dam with lock
- Cemetery; building
- Wellhead; 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