



**L'Anse 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**

1991

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1950-1985. Planimetry revised from aerial photographs taken 1986 and 1988 and other source data. Revised information not field checked. Map edited 1991

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 7 meters north and 9 meters east

There may be private inholdings within the boundaries of the National or State reservations shown on this map

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	MIN	MAX	1	2	3	4
1	3.2808			1	2	3	4
2	6.5617			5	6		
3	9.8425			7	8		
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 (GM) and 1983 magnetic declination (MD) at center of map

Diagram is approximate

1	Hancock
2	Hancock
3	Copper Harbor
4	Ontonagon
5	Marquette
6	Wakarusa
7	River
8	Gwin

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: protracted
- Power transmission line; pipeline
- Dam; dam with lock
- Cemetery; building
- Windmill; water well; spring
- Mine shaft; pit or open mine; quarry; gravel pit
- Campground; picnic area; U.S. location monument
- Ruins; cliff dwellings
- 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; swampland
- Land subject to controlled inundation; woodland
- Scrub; mangrove
- Orchard; vineyard

A pamphlet describing topographic maps is available on request

RETURN TO:  
 NHD HISTORICAL MAP ARCHIVES  
 USGS NATIONAL CENTER, MS-522  
 RESTON, VA 22092

91 DEC 1991

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