

Manistique Lake MICHIGAN

46085-A1-TM-100

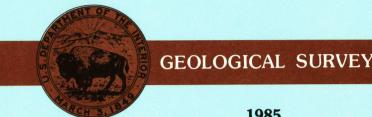
1:100 000-scale metric topographic map



30 X 60 MINUTE QUADRANGLE SHOWING

in meters

- Contours and elevations
- 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 1964-1975. Planimetry revised from aerial photographs taken 1983 and other source data. Revised information not field checked. Map edited 1985

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 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 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	MN GN	4		5
3	6.5617	1 1 1	*		3
3	9.8425 13.1234			_	
5	16.4042	4½°	6	7	8
5	19.6850	80 MILS 1°05'			
ž	22.9659	19 MILS	1 Au S	able Point	
8	26.2467	\ \ \	,	Hearted R	
8 9	29.5276	1		Ste Mari	
10	32.8084	1 V	Nort		
		1	4 Muni	sing	
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and 1985 magnetic	5 Sault Ste Marie South		
		(GN) and 1985 magnetic			
		declination (MN)	6 Mani		
To convert feet to meters		at center of map	7 Beaver Island		
multiply by 0.3048		Diagram is approximate	8 Cheboygan		

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

NOV 28 1989

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Topographic Map Symbols

Primary highway, hard surface		
Secondary highway, hard surface		
Light duty road, principal street, hard or improved surface $\ldots$	-	
Other road or street; trail	***************************************	
Route marker: Interstate; U.S.; State		
Railroad: standard gage; narrow gage		
Bridge; overpass; underpass	<del>)</del>	<del></del>  -
Tunnel: road; railroad	$\rightarrow$ - $\leftarrow$	$\longrightarrow$ $ \longleftarrow$
Built up area; locality; elevation		• '155
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		1
Cemetery; building	[]	. —
Windmill; water well; spring	Ž (	· ~
Mine shaft; adit or cave; mine, quarry; gravel pit	<b>□</b> →	× ×
Campground; picnic area; U.S. location monument	Ĭ ,	
Ruins; cliff dwelling	L	д
Distorted surface: strip mine, lava; sand		
Contours: index; intermediate; supplementary		
Bathymetric contours: index; intermediate		
Stream, lake: perennial; intermittent	$\sim$	
Rapids, large and small; falls, large and small		
Area to be submerged; marsh, swamp		Mile
Land subject to controlled inundation; woodland		

A pamphlet describing topographic maps is available on request