Munising **MICHIGAN**

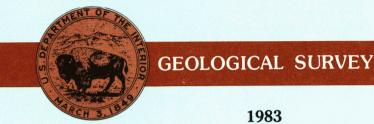
1:100 000-scale *metric* topographic map



46086-A1-TM-100

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 and 1:62 500-scale topographic maps dated 1958-1972. Planimetry revised from aerial photographs taken 1981 and other source data. Revised information not field checked. Map edited 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 7 meters north and 6 meters east

CONTOUR INTERVAL 10 METERS NATIONAL GEODETIC VERTICAL DATUM OF 1929 ELEVATIONS SHOWN TO THE NEAREST METER

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

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

Meters	Feet	*	1	2	3
1 2	3.2808 6.5617	MNGN	4		5
3 4 5	9.8425 13.1234 16.4042	3°	6	7	8
6 7	19.6850 22.9659	53 MILS 0°22′ 7 MILS			
8 9 10	26.2467 29.5276 32.8084		1 Ma 2 3	rquette	
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and 1983 magnetic declination (MN)	M grid convergence and 1983 magnetic declination (MN) 4 Gwinn 5 GEscanaba		
To convert feet to meters multiply by 0.3048		at center of map Diagram is approximate 7 Manistique 8			

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



Topographic Map Symbols

Other road or street; trail...... Route marker: Interstate; U.S.; State ... County boundary..... National or State reservation boundary Windmill; water well; spring..... Distorted surface: strip mine, lava; sand

A pamphlet describing topographic maps is available on request