Charlevoix

MICHIGAN

1:100 000-scale metric

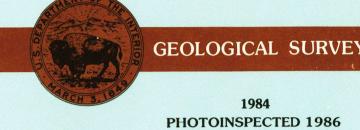


45085-A1-TM-100

30 X 60 MINUTE QUADRANGLE SHOWING

- Contours and elevations
- in meters

  Highways roads and o
- 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 1954-1983. Planimetry revised from aerial photographs taken 1981 and other source data. Revised information not field checked. Map edited 1984

Projection and 10 000-meter grid, zone 16,
Universal Transverse Mercator
25 000-foot grid ticks based on Michigan coordinate system, central zone
1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines 3 meters north and 3 meters east

CONTOUR INTERVAL 10 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Map photoinspected using 1986 photographs No major culture or drainage changes found

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

CONVERSION TABLE		DECLINATION DIAGRAM ADJOINING M		IAPS	
Meters	Feet	*	1	2	3
1	3.2808	MN GN	4		5
2	6.5617		-		3
3	9.8425				
4	13.1234	4°	6	7	8
5	16.4042	71 MILS 1°04′			
6	19.6850	19 MILS			
7	22.9659	13 MILS			
8	26.2467		1 Ma	nistique	
9	29.5276			ver Island	
10	32.8084	V		iver isiand eboygan	•
To convert meters to feet multiply by 3.2808 To convert feet to meters multiply by 0.3048		UTM grid convergence (GN) and 1984 magnetic declination (MN) at center of map Diagram is approximate	4 Washington Island 5 Petoskey 6 Crystal Lake 7 Traverse City 8 Grayling		

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VMD HISTORICAL WAR

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Topographic Map Symbols



a pamphlet describing topographic maps is available on requ