

Big Rapids MICHIGAN

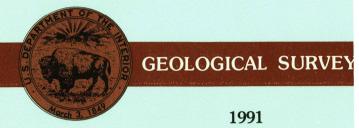
1:100 000-scale metric topographic map



43085-E1-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-scale topographic maps dated 1964-1987. Planimetry revised from aerial photographs taken 1986-1988 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, south and central zones 1927 North American Datum To place on the predicted North American Datum 1983, move the projection lines 1 meter north and 1 meter 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

Meters	Feet	MN	1	2	3
1	3.2808	GN			-
2	6.5617		4		5
3	9.8425				
4	13.1234	41/20	6	7	8
5	16.4042 19.6850	80 MILS 1° 02'			
7	22.9659	18 MILS			
8	26.2467		1 M-	nistee	
9	29.5276				
10	32.8084	V V	2 Ca	dillac ughton L	-1
				lington L	аке
o convert n	neters to feet	UTM grid convergence	5 Mic		

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



Orchard; vineyard

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..... • 155 Built up area; locality; elevation 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; adit or cave; mine, quarry; gravel pit...... Ruins; cliff dwelling...... Distorted surface: strip mine, lava; sand Contours: index; intermediate; supplementary..... Rapids, large and small; falls, large and small..... Area to be submerged; marsh, swamp.......

A pamphlet describing topographic maps is available on request