Cadillac

**MICHIGAN** 

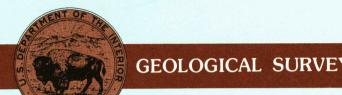
1:100 000-scale *metric* topographic map



44085-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



1983 Produced by the United States Geological Survey

Compiled from USGS 1:62 500-scale topographic maps dated 1956-57. 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, central zone 1927 North American Datum To place on the predicted North American Datum 1983, move the projection lines 2 meters 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 20 METERS SUPPLEMENTARY 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	*	1	2	:
1	3.2808	MN GN	4		
2	6.5617 9.8425		-		•
3	13.1234		_	_	
5	16.4042	31/2°	6	7	8
6	19.6850	62 MILS 1°03′ 19 MILS			
7	22.9659				
8	26.2467	1 0 4 10	1 C	rystal Lak	e
9	29.5276			raverse C	
10	32.8084			rayling	Ly
	02.0004				
To convert meters to feet multiply by 3.2808 To convert feet to meters		UTM grid convergence (GN) and 1983 magnetic declination (MN) at center of map	4 Manistee 5 Houghton Lake 6 Ludington 7 Big Rapids 8 Midland		

FOR SALE BY U.S. GEOLOGICAL SURVEY

## 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	AND IN MA AND MARKET
Route marker: Interstate; U.S.; State	
Railroad: standard gage; narrow gage	
Bridge; overpass; underpass	<del></del>
Tunnel: road; railroad	
Built up area; locality; elevation	• 155
Airport; landing field; landing strip	20000000000000000000000000000000000000
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	0
Cemetery; building	
Windmill; water well; spring	ž 0 ~
Mine shaft; adit or cave; mine, quarry; gravel pit	<b>∞</b> ≻
Campground; picnic area; U.S. location monument	*
Ruins; cliff dwelling	
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, swamp	The Alle
Land subject to controlled inundation; woodland	The second secon
Scrub; mangrove	TERN WOR
Orchard; vineyard	

