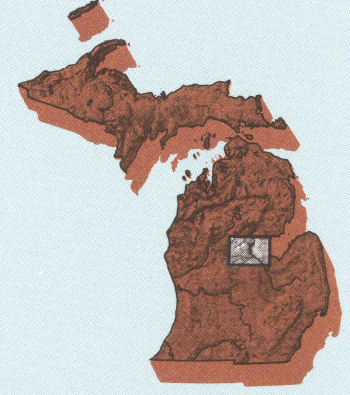


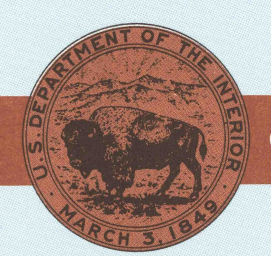
Midland MICHIGAN

1:100 000-scale metric
topographic map



30 X 60 MINUTE QUADRANGLE
SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names

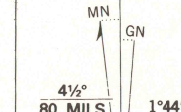
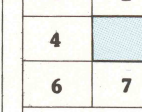


GEOLOGICAL SURVEY

1984
PHOTOINSPECTED 1983

Produced by the United States Geological Survey
Compiled from USGS 1:24 000 and 1:25 000-scale topographic maps dated 1962-1983. 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, 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 2 meters west.
There may be private inholdings within the boundaries of the National or State reservations shown on this map.
Map photoinspected using 1982-83 photographs.
No major culture or drainage change found.
CONTOUR INTERVAL 10 METERS
NATIONAL GEOGRAPHIC 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			4	5	6	
2	6.5617			7	8	9	
3	9.8425			10	11	12	
4	13.1234			13	14	15	
5	16.4042			16	17	18	
6	19.6850			19	20	21	
7	22.9658			22	23	24	
8	26.2467			25	26	27	
9	29.5276			28	29	30	
10	32.8084			31	32	33	
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and 1984 magnetic declination (M) at center of map Diagram is approximate					
To convert feet to meters multiply by 0.3048							

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

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.....	
Route marker: Interstate, U.S. State.....	
Railroad: standard gauge; narrow gauge.....	
Bridge: overpass; underpass.....	
Tunnel: road; railroad.....	
Built up area, locality, elevation.....	
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.....	
Cemetery: building.....	
Wellhead; water well; spring.....	
Mine shaft; adit or cave; mine, quarry; gravel pit.....	
Campground; picnic area; U.S. location monument.....	
Ruin; 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.....	
Land subject to controlled inundation; woodland.....	
Scrub; mangrove.....	
Orchard; vineyard.....	

A pamphlet describing topographic maps is available on request



MIDLAND, MICHIGAN

30 X 60 MINUTE SERIES (TOPOGRAPHIC)
1:100 000-scale metric (TOPOGRAPHIC)

