



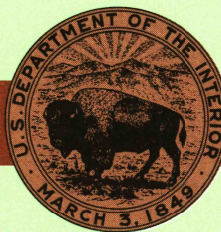
SCALE 1:25 000
THE MAP REPRESENTS 250 METERS ON THE GROUND
FOUR INTERVAL 5 METERS

CARP RIVER, MICHIGAN
N4645-W8945/7.5 X 15

1980

A map of the state of Michigan, with a small black rectangle in the northern part of the Lower Peninsula indicating the location of the study area. The map is oriented with North at the top.

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



1980

Compiled by photogrammetric methods from aerial photographs taken 1975 and 1977. Field checked 1976

Map edited 1980
Selected hydrographic data compiled from NOS Chart
14965 (1979). This information is not intended for
navigational purposes

Projection and 1000-meter grid, zone 16, Universal

Transverse Mercator
10,000-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 5 meters north and 10 meters east as shown by dashed corner ticks.

There may be private inholdings within the boundaries

of the National or State reservations shown on this map

CONTOUR INTERVAL 5 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ELEVATIONS SHOWN TO NEAREST 0.1 METER

OTHER ELEVATIONS SHOWN TO THE NEAREST METER
DEPTH CURVES AND SOUNDINGS IN METERS

DATUM IS LOW WATER 182.9 METERS

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARD

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS	
Meters	Feet			4	5
1	3.2808	UTM grid convergence (GN) and 1980 magnetic declination (MN) at center of map Diagram is approximate	2°06' 37 MILS 18 MILS	1	2
2	6.5617			3	5
3	9.8425			6	7
4	13.1234			8	8
5	16.4042				
6	19.6850				
7	22.9659				
8	26.2467				
9	29.5276				
10	32.8084				

To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048

1	2	3
4	5	6
7	8	9

1 Government Peak (7.5°)
 2 Blacks River Harbor
 3 Thelak Creek
 4
 5
 6
 7
 8 Aldridge Creek (7.5°)

RECEIVED

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FEB 28 1999

USGS NMD
HISTORICAL MAP ARCHIVES

Topographic Map Symbols

Primary highway, hard surface	
Secondary highway, hard surface	
Light-duty road, hard or improved surface	
Unimproved road, trail	
Route marker: Interstate, U.S., State	
Railroad: standard gauge; narrow gauge	
Ridge; drawbridge	
Footbridge; overpass	
Build-up area; only selected landmark buildings shown	
House; barn; church; school; large structure	
Boundary:	
National, with monument	
State	
County, parish	
Civil township, precinct, district	
Incorporated city, village, town	
Nationwide or U.S. reservation; small park	
Land grant with monument; found section corner	
U. S. public lands survey: range, township, section	
Range, township; section line: location approximate	
Fence or field line	
Power transmission line, located tower	
Dam; dike with lock	
Cemetery; grave	
Campground; picnic area; U. S. location monument	
Windmill; water well; spring	
Mine shaft; prospect; adit or cave	
Contour: horizontal station; vertical station; spot elevation	
Contours: index; intermediate; supplementary; depression	
Distorted surface: strip mine, lake, sand	
Sounding; depth curve	
Perennial lake and stream; intermittent lake and stream	
Rapids, large and small; falls, large and small	
Swamp; marsh	
Submerged marsh; land subject to controlled inundation	
Woodland; scattered trees	
Scrub; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request.

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