

USGS
science for a changing world

Carp River

MICHIGAN
1:25 000-scale metric
topographic map of



7.5 X 15 MINUTE QUADRANGLE
SHOWING

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

U.S. Department of the Interior
U.S. Geological Survey

1994



Produced by the United States Geological Survey
Derived from imagery taken 1975 and other sources. Photoinspected using imagery taken 1994; no major culture or drainage changes observed. PLS and survey control corners as of 1976. Boundaries verified 1999.

Selected hydrographic data compiled from NOS chart 14965 (1979). This information is not intended for navigational purposes.

North American Datum of 1927 (NAD 27). Projection and 1000-meter grid: Universal Transverse Mercator, zone 16 10 000-foot ticks: Michigan coordinate system, north zone

North American Datum of 1983 (NAD 83) is shown by dashed corner ticks. The values of the shift between NAD 27 and NAD 83 for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software.

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 NEAREST METER
DEPTH CURVES AND SOUNDINGS IN METERS
DATUM IS LOW WATER 182.9 METERS

THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	GN	MN	1	2	3
1	3.2808			4	5	6
2	6.5616					
3	9.8424					
4	13.1232			7	8	
5	16.4040					
6	19.6848					
7	22.9656					
8	26.2464			1	2	
9	29.5272					
10	32.8080					

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

UTM grid convergence (GN and MN magnetic declination (MN) at center of map Diagram is approximate

Government Peak (7.5)
Black River Harbor
Tabel Creek
Abbridge Creek (7.5)

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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	
Bridge: drawbridge	
Footbridge; overpass; underpass	
Built-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	
National or State 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; dam with lock	
Cemetery; grave	
Campground; picnic area; U. S. location monument	
Windmill; water well; spring	
Mine shaft; prospect; shaft or cave	
Control: horizontal station; vertical station; spot elevation	
Contours: index; intermediate; supplementary; depression	
Distorted surface: strip mine, lava; sand	
Soundings: 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
FOR SALE BY U.S. GEOLOGICAL SURVEY
P.O. BOX 25286, DENVER, COLORADO 80225