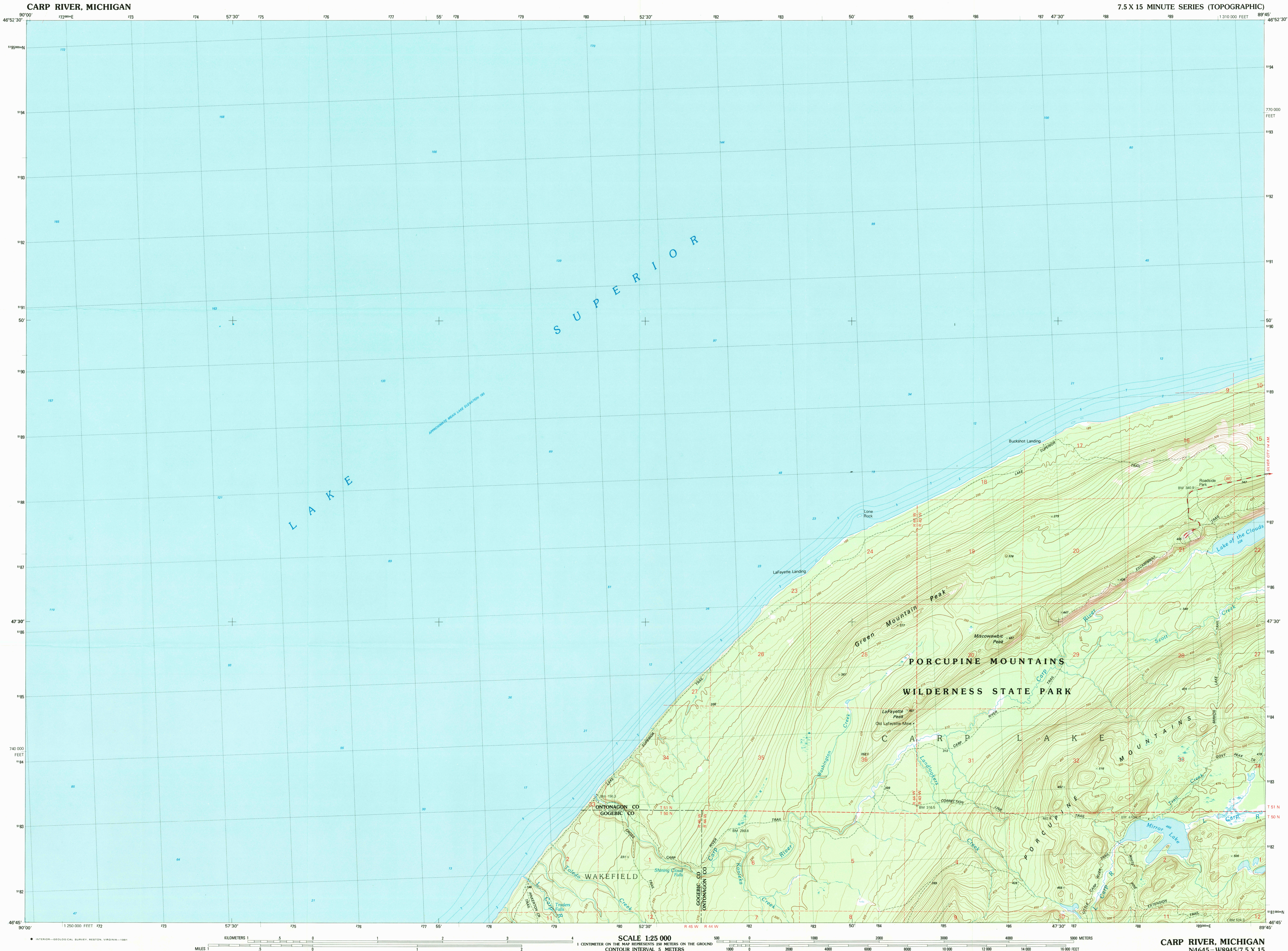




1:25 000-scale metric  
topographic map of

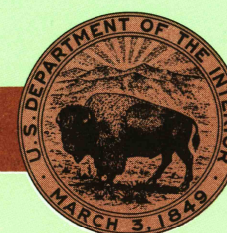
# Carp River MICHIGAN



USGS  
Historical File  
National Mapping Div.

7.5 X 15 MINUTE QUADRANGLE  
SHOWING

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



GEOLOGICAL SURVEY

1980

Produced by the United States Geological Survey  
Control by USGS and NOS/NOAA

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 GEODETTIC 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

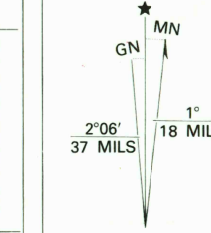
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

## CONVERSION TABLE

| Meters | Feet    |
|--------|---------|
| 1      | 3.2808  |
| 2      | 6.5617  |
| 3      | 9.8425  |
| 4      | 13.1234 |
| 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

## DECLINATION DIAGRAM



UTM grid convergence  
(GN) and 1980 magnetic  
declination (MN)  
at center of map  
Diagram is approximate

## ADJOINING MAPS

| 1 | 2 | 3 |
|---|---|---|
| 4 | 5 | 6 |
| 7 | 8 |   |

1 Government Peak (7.5)  
2 Black River Harbor  
3 Tiedel Creek  
4 Alondra Creek (7.5)

FOR SALE BY U.S. GEOLOGICAL SURVEY  
RESTON, VIRGINIA 22092

## 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 gage, narrow gage
- Bridge: drawbridge
- Fairway, overpass, underpass
- Built-up area: only selected landmark buildings shown
- Houses, 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, adit or cave
- Control: horizontal station, vertical station, spot elevation
- Contours: index, intermediate, supplementary, depression
- Distorted surface: strip mine, lava, 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

RETURN TO:

USGS AND HISTORICAL MAP ARCHIVES

1980