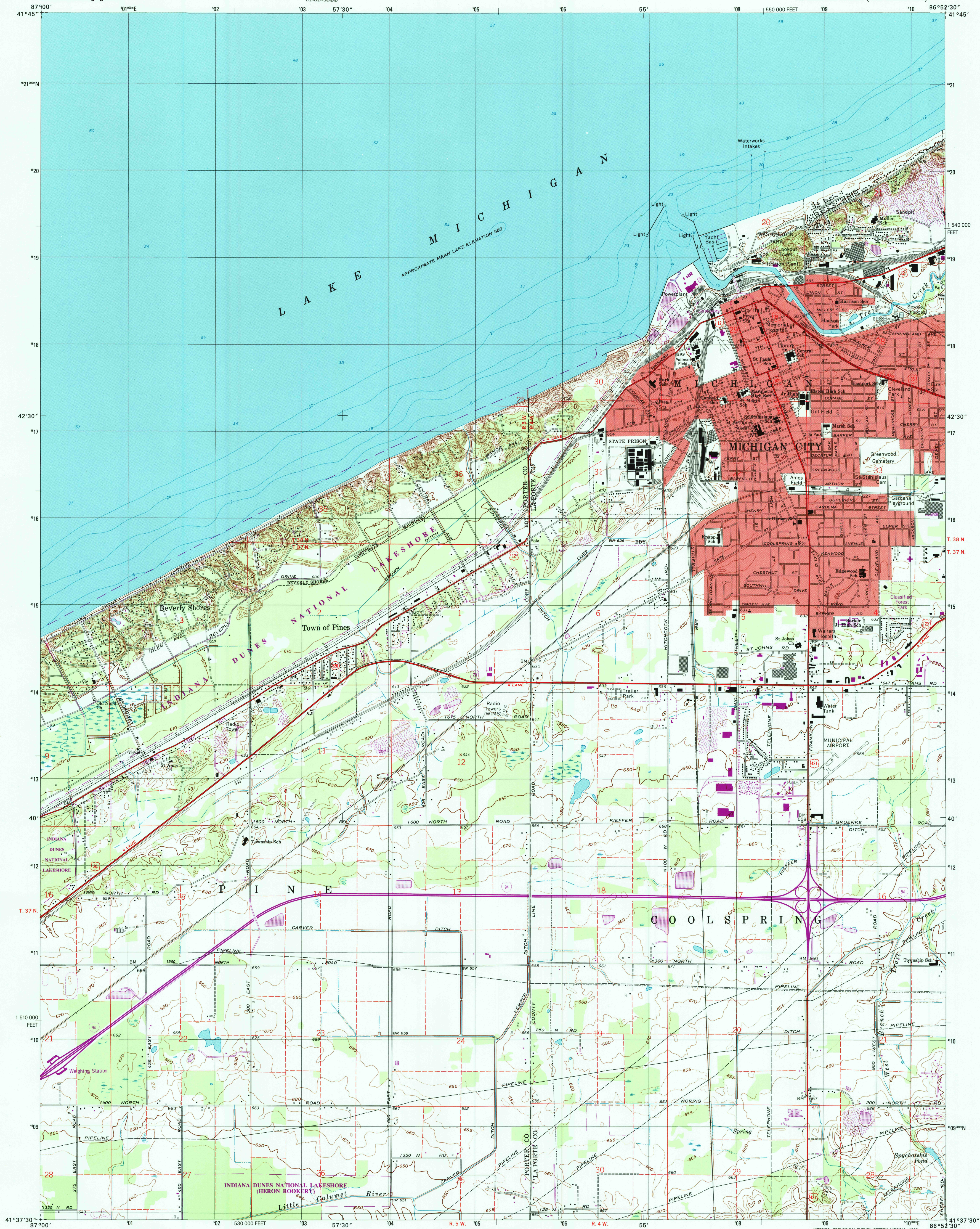




U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY



MICHIGAN CITY WEST QUADRANGLE  
INDIANA  
7.5-MINUTE SERIES (TOPOGRAPHIC)



Produced by the United States Geological Survey

Topography compiled 1969. Planimetry derived from imagery taken 1977 and other sources. Photomaps used imagery dated 1994; no major culture or drainage changes observed. PLSS and survey control current as of 1969. Boundaries, other than corporate, verified 1999

North American Datum of 1927 (NAD 27). Projection and 10 000-foot ticks: Indiana coordinate system, west zone (transverse Mercator)

1000-meter Universal Transverse Mercator grid, zone 16

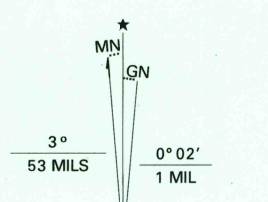
North American Datum of 1983 (NAD 83) is shown by dashed corner ticks. The values of the shift between NAD 27 and NAD 83 for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software

Selected hydrographic data compiled from U.S. Lake Survey Chart 75 (1966)

This information is not intended for navigational purposes

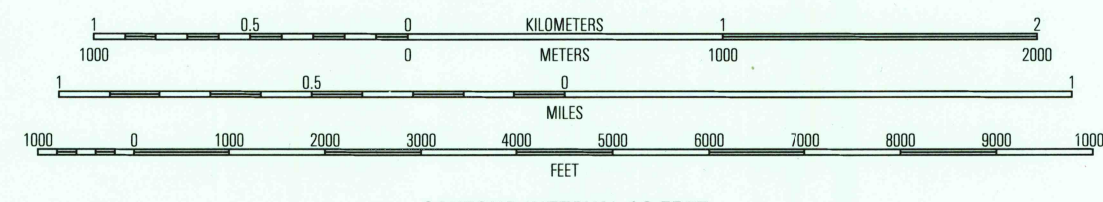
There may be private inholdings within the boundaries of the National or State reservations shown on this map

Information shown in purple may not meet USGS content standards and may conflict with previously mapped contours



UTM GRID AND 1999 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

20% TOTAL RECOVERED FIBER



SCALE 1:24 000

CONTOUR INTERVAL 10 FEET

SUPPLEMENTARY CONTOUR INTERVAL 5 FEET

NATIONAL GEODETIC DATUM OF 1929

TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048

DEPTH CURVES AND SOUNDINGS IN FEET

THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

REFERENCE LEVELS 578.9 FEET; INTERNATIONAL GREAT LAKES DATUM

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 25286, DENVER, COLORADO 80225

AND INDIANA DEPARTMENT OF NATURAL RESOURCES, INDIANAPOLIS, INDIANA 46204

A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



QUADRANGLE LOCATION

1 2 3

4 5

6 7 8

ADJOINING 7.5' QUADRANGLE NAMES

1 New Buffalo West

2 Dune Acres

3 Michigan City East

4 Chesterton

5 Westville

6 Laporte West

Primary highway  
hard surface .....  
Secondary highway  
hard surface .....  
Unimproved road .....  
Interstate route  
U.S. route  
State route

Light-duty road, hard or  
improved surface .....  
Unimproved road .....  
Interstate route  
U.S. route  
State route

ROAD CLASSIFICATION

Primary highway

Secondary highway

Unimproved road

Interstate route

U.S. route

State route

MICHIGAN CITY WEST, IN

1994

NIMA 3667 III NW-SERIES V851

RECEIVED

NOV 3 0 1999

USGS NHD

HISTORICAL MAP ARCHIVES

9 781617 409084 6