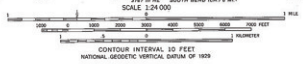


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF MICHIGAN

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

Mapped, edited, and published by the Geological Survey
in cooperation with the State of Michigan agencies
Controlled by USGS and USGS/MS
Topography of Michigan area by photogrammetric methods from
aerial photographs taken 1966. Field checked 1971
Photometry of Indiana area by photogrammetric methods from aerial
photographs taken 1952. Topography by photostereos from 1951-59
derived from aerial photographs taken 1950. Field checked 1971
Population projection. 1957 North American datum
10,000-foot grid based on Michigan coordinate system, south zone
and Indiana coordinate system, 493 zone
1000-foot Universal Transverse Mercator grid ticks,
zone 16, shown in blue
Red triangles indicate areas in which only landmark buildings are shown
Flow and dashed lines indicate selected levees and field lines where
generally stable on aerial photographs. This information is unchecked



ROAD CLASSIFICATION
Lightly road, hard or
improved surface
Shoulder highway,
hard surface
Unimproved road
U. S. Route
State Route

NILES WEST, MICH.-IND.
N4145-98815-7.5
1971
PHOTOGRAPHED 1966
DMA 5701 16 SE-SERIES 1980

THIS MAP COMPLETES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY RESTON, VIRGINIA 22082
AND BY THE GEOLOGICAL SURVEY DIVISION
MICHIGAN DEPARTMENT OF NATURAL RESOURCES, LANSING, MICHIGAN 48909
AND INDIANA DEPARTMENT OF NATURAL RESOURCES, INDIANAPOLIS, INDIANA 46204
A FOUR-DIGIT TOPOGRAPHIC MAP AND SYMBOLS IS AVAILABLE ON REQUEST