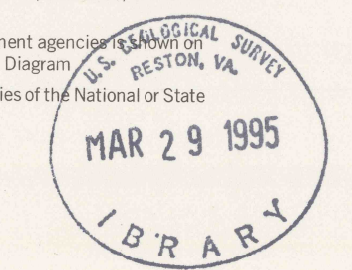


Prepared by the Defense Mapping Agency, Topographic Center, Washington, D. C. Compiled in 1954 by photogrammetric methods from aerial photographs taken 1952. Photographs field annotated 1953. Revised by the U. S. Geological Survey from aerial photographs taken 1977 and other source data. Revised information not field checked. Map edited 1978.

Area covered by dashed light-blue pattern is subject to controlled inundation 100,000-foot grid based on Indiana coordinate system, east zone, and Ohio coordinate system, north and south zones.

Location of geodetic control established by government agencies (National and State) corresponding 1:250,000-scale Geodetic Control Diagram.

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



**LEGEND**  
Figures in red denote approximate distances in miles between stars

|                         |   |  |                            |
|-------------------------|---|--|----------------------------|
| <b>POPULATED PLACES</b> | <b>ROADS</b>                                      | <b>RAILROADS</b>                       | <b>LAND</b>                |
| Over 500,000            | Primary, all-weather, hard surface                | Standard gauge                         | Landplane airport          |
| 100,000 to 500,000      | Secondary, all-weather, hard surface              | Narrow gauge                           | Landing area               |
| 25,000 to 100,000       | Light-duty, all-weather, hard or improved surface | Interchange                            | Spot elevation in feet     |
| 5,000 to 25,000         | Fair or dry weather, unimproved surface           | Flankline                              | Marsh or swamp             |
| 1,000 to 5,000          | Trail   | Route markers: Interstate, U.S., State | Seaplane airport           |
| Less than 1,000         | Unimproved  |  | Suspense interchange       |
|                         |   |  | Intermittent or dry stream |
|                         |   |  | Woods/brushwood            |
|                         |   |  | Power line                 |

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

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Kilometers

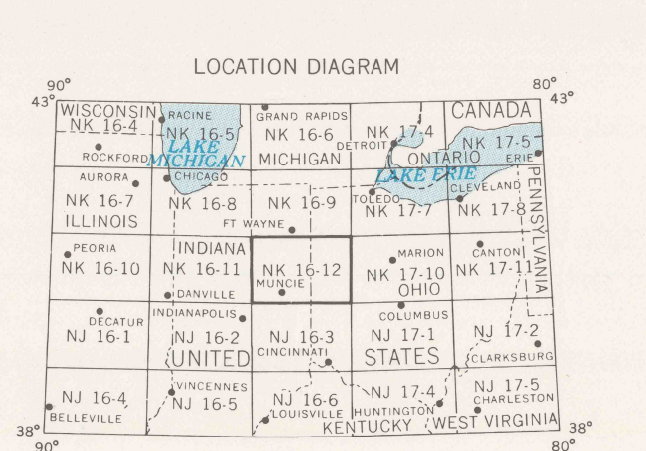
0 5 10 15 20 25 30 Nautical Miles

**CONTOUR INTERVAL 50 FEET**  
**TRANSVERSE MERCATOR PROJECTION**

BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 16

1978 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 0° (0 MILES) FOR THE CENTER OF THE WEST EDGE TO 2° (40 MILES) WESTERLY FOR THE CENTER OF THE EAST EDGE

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



**SECTIONIZED TOWNSHIP**

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 6  | 5  | 4  | 3  | 2  | 1  |
| 7  | 8  | 9  | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

TOWNSHIP OR RANGE LINE  
LAND GRANT BOUNDARY

**GRID ZONE DESIGNATION**  
16T

**TO USE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METERS**

**SAMPLE POINT, EAST EDGE**

1. Read letters identifying 100,000-meter square in which the point lies.

2. Locate that vertical and horizontal line of point and read LARGE figure labeling the line either in the top or bottom margin, or on the line itself.

3. Estimate tenths from grid line to point.

4. Locate first HORIZONTAL grid line BELOW point and read LARGE figure labeling the line either in the left or right margin, or on the line itself.

5. Estimate tenths from grid line to point.

**SAMPLE REFERENCE:**  
If reporting beyond 10° in any direction, give Grid Zone Designation, as follows:  
example: 4430000

EA FA GA  
EV FV GV

U.S. Topo. 1:250,000 Muncie, IN 1979 c.1

MUNCIE, INDIANA, OHIO  
1953  
REVISED 1978