



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 is shown on 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

**POPULATED PLACES**

- Over 500,000
- 100,000 to 500,000
- 25,000 to 100,000
- 5,000 to 25,000
- 1,000 to 5,000
- Less than 1,000

**ROADS**

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Interchange
- Fairall

**RAILROADS**

- Standard gauge
- Narrow gauge
- Interurban
- State
- County
- Park or reservation

**LANDPLANE AIRPORT**

- Seaplane airport
- Seaplane anchorage
- Woods brushwood

**Other symbols:**

- Mine
- Landmark: School; Church; Other
- Spot elevation in feet
- Marsh or swamp
- Intermittent or dry stream
- Power line

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 MILS) FOR THE CENTER OF THE WEST EDGE TO 2° (40 MILS) WESTERLY FOR THE CENTER OF THE EAST EDGE

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

**LOCATION DIAGRAM**

Map showing the location of the sheet within the regional grid, including state boundaries and major cities.

**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	28	27	26	25	
31	32	33	34	35	36

**GRID ZONE DESIGNATION**

100,000 M. SQUARE IDENTIFICATION

EA	FA	GA
EV	FV	GV

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

**SAMPLE POINT REFERENCE**

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

2. Locate the vertical line on the left of point and read LARGE figure showing estimate length from the line to point.

3. Locate first horizontal grid line below point and read LARGE figure showing the line either to the left or right margin, or on the line itself. Estimate length from grid line to point.

**SAMPLE REFERENCE:**

If reporting beyond 10" in any direction, prefix grid zone designation, as: 4430000

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HISTORICAL MAP ARCHIVES

