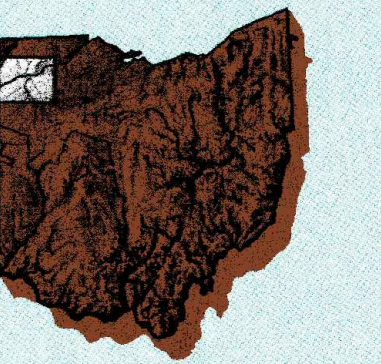


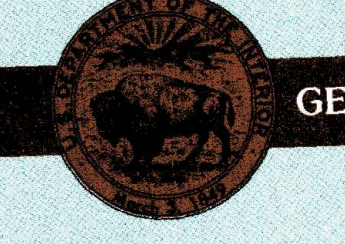
Defiance OHIO-INDIANA

1:100 000-scale metric
topographic map



30 X 60 MINUTE QUADRANGLE
SHOWING

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



GEOLOGICAL SURVEY

1986
PHOTOINSPECTED 1989

Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1957-1981. Planimetry revised from aerial photographs taken 1983 and other source data. Revised information not field checked. Map edition 1986.
 Universal Transverse Mercator
 25 000-foot grid ticks based on Ohio coordinate system, north zone and Indiana coordinate system, east zone 1927 North American Datum
 To place on the predicted North American Datum 1983, move the projection lines 1 meter south and 4 meters west. There may be private landholdings within the boundaries of the National or State reservations shown on this map. Map photoinspected using 1989 photographs. No major culture or drainage changes found.

CONTOUR INTERVAL 5 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS	
Meters	Feet	1	2	3	5
1	3.2808	1	2	3	5
2	6.5617	4	3	6	8
3	9.8425	7	6	7	8
4	13.1234	10	5	4	7
5	16.4042	13	4	3	6
6	19.6850	16	3	2	5
7	22.9659	19	2	1	4
8	26.2467	22	1	0	3
9	29.5275	25	0	0	2
10	32.8084	28	0	0	1

To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048

UTM grid convergence (0°N to 180°W) magnetic declination (M) at center of map
 Diagram is approximate

1 Elkhart
 2 Adams
 3 Toledo
 4 Fort Wayne
 5 Findlay
 6 Wapakoneta
 7 Lima
 8 Marion

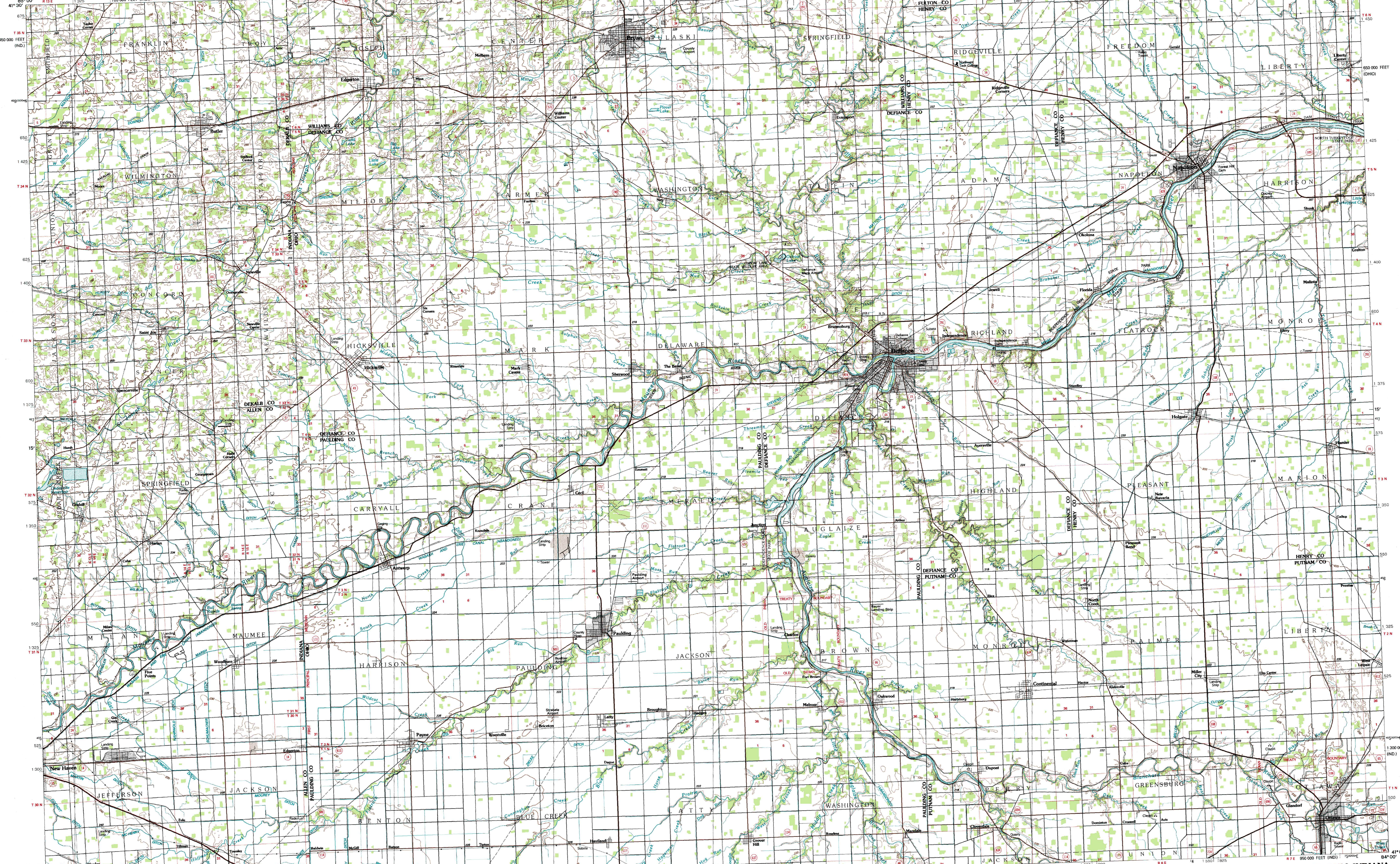
FOR SALE BY U.S. GEOLOGICAL SURVEY
 DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, principal street, hard or improved surface
- Other road or street, trail
- Route marker: Interstate, U.S., State
- Railroad: standard gage, narrow gage
- Bridge: overpass, underpass
- Tunnel: road, railroad
- Bulk up area: locality, elevation
- Airport, landing field, landing strip
- National boundary
- State boundary
- County boundary
- National or State reservation boundary
- Land grant boundary
- U.S. public lands survey: range, township, section
- Range, township, section line: protracted
- Power transmission line, pipeline
- Dam: dam with lock
- Cemetery: building
- Windmill, water well, spring
- Mine shaft; adit or cave; mine, quarry, gravel pit
- Campground, picnic area, U.S. location monument
- Building, oil derrick
- Distorted surface: strip mine, lava, sand
- Contours: index, intermediate, supplementary
- Bathymetric contours: index, intermediate
- Stream, lake: perennial, intermittent
- Swamp, large and small; bogs, large and small
- Area to be submerged, marsh, swamp
- Land subject to controlled inundation, woodland
- Srubb; mangrove
- Orchard; vineyard

A pamphlet describing topographic maps is available on request

DEFIANCE, OHIO-INDIANA



DEFIANCE, OHIO-INDIANA
 41084-A1-TM-100
 1986
 PHOTOINSPECTED 1989

SCALE 1:100 000
 1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
 CONTOUR INTERVAL 5 METERS

0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 15000 20000 25000 30000 35000 40000 45000 50000 55000 60000 65000 70000 METERS

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 MILES

5000 FEET (1500 M)
 10000 FEET (3000 M)
 15000 FEET (4500 M)
 20000 FEET (6000 M)
 25000 FEET (7500 M)
 30000 FEET (9000 M)
 35000 FEET (10500 M)
 40000 FEET (12000 M)
 45000 FEET (13500 M)
 50000 FEET (15000 M)
 55000 FEET (16500 M)
 60000 FEET (18000 M)

85°00' 86°00' 87°00' 88°00' 89°00' 90°00' 91°00' 92°00' 93°00' 94°00' 95°00' 96°00' 97°00' 98°00' 99°00' 100°00'

41°30' 42°00' 42°30' 43°00' 43°30' 44°00' 44°30' 45°00' 45°30' 46°00' 46°30' 47°00' 47°30' 48°00' 48°30' 49°00' 49°30' 50°00'

INTERIOR - GEOLOGICAL SURVEY, RESTON, VIRGINIA - 1992