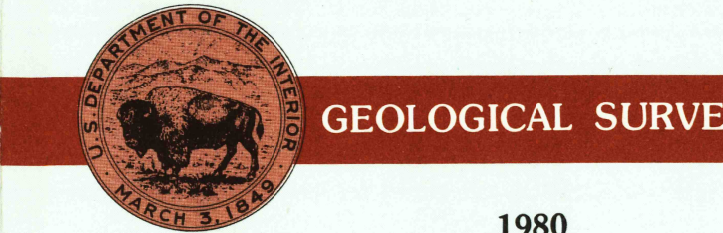


30 X 60 MINUTE QUADRANGLE SHOWING

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



Produced by the United States Geological Survey in cooperation with the Soil Conservation Service. Compiled from USGS 1:24,000-scale topographic maps dated 1962-1973. Planimetry revised from aerial photographs taken 1977-78 and other source data. Revised information not field checked. Map edited 1980.

Projection and 10 000-meter grid, zone 16, Universal Transverse Mercator. 25 000-foot grid ticks based on Illinois coordinate system, east zone, and Indiana coordinate system, west zone 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 1 meter north and 4 meters east. There may be private inholdings within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 5 METERS
 SUPPLEMENTARY CONTOUR INTERVAL 2.5 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	MAGNETIC		1	2	3
1	3.2808	CH		4	5	
2	6.5617	M		6	7	8
3	9.8425	T				
4	13.1234	S				
5	16.4042	N				
6	19.6850	E				
7	22.9659	W				
8	26.2467	SE				
9	29.5275	SW				
10	32.8084	NE				

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

UTM grid convergence (CN) and 1980 magnetic declination (M) at center of map. Diagram is approximate.

1 Elgin
 2 Waukegan
 3 Benton Harbor

FOR SALE BY U.S. GEOLOGICAL SURVEY 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
- Bath 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: projected
- Power transmission line: pipeline
- Dam, dam with lock
- Cemetery, building
- Well: water well; spring
- Mine shaft: adit or case; mine, quarry; gravel pit
- Campground; picnic area; U.S. location monument
- Ruin; cliff dwelling
- Distorted surface: strip mine, lava, sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream, lake: perennial; intermittent
- Rapids, large and small; falls, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Scrub; mangrove
- Orchard; vineyard

