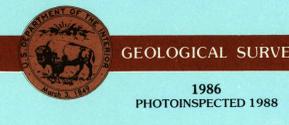




- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



Produced by the United States Geological Survey  
 Compiled from USGS 1:24 000-scale topographic maps dated 1956-1970. Planimetry revised from aerial photographs taken 1977, 1985, 1984 and other source data. Revised information not field checked. Map edited 1986.

Projection and 10 000-meter grid, zone 16  
 Universal Transverse Mercator  
 25 000-foot grid ticks based on Indiana coordinate system, west and east zones. 1927 North American Datum  
 To place on the predicted North American Datum 1983 move the projection lines 2 meters south.  
 There may be private inholdings within the boundaries of the National or State reservations shown on this map.  
 Map photoinspected using 1987-88 photographs.  
 No major culture or drainage changes found.

CONTOUR INTERVAL 20 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	True	Magnetic	1	2	3
1	3.2808	111° 00'	110° 00'	1	2	3
2	6.5617	111° 00'	110° 00'	4	5	6
3	9.8425	111° 00'	110° 00'	7	8	9
4	13.1234	111° 00'	110° 00'	10	11	12
5	16.4042	111° 00'	110° 00'	13	14	15
6	19.6850	111° 00'	110° 00'	16	17	18
7	22.9659	111° 00'	110° 00'	19	20	21
8	26.2467	111° 00'	110° 00'	22	23	24
9	29.5275	111° 00'	110° 00'	25	26	27
10	32.8084	111° 00'	110° 00'	28	29	30

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

UTM grid convergence (GN and 1986 geopotimetric datum) (M) at center of map. Diagram is approximate.

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Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, principal street, hard or improved surface
- Other road or street, mail
- Route marker: interstate; U. S. State
- Railroad: standard gage; narrow gage
- Bridge: overpass; underpass
- Tunnel: road; railroad
- Built-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
- Canal; holding
- Windmill; water well; spring
- Mine shaft; ant or cave; mine, quarry; gravel pit
- Campground; picnic area; U. S. location monument
- Ruin; cliff dwelling
- Dispersed surface: strip mine, lava, sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream, lake: perennial; intermittent
- Rapid, large and small; falls, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Scrub; mangrove
- Orchard; vineyard

