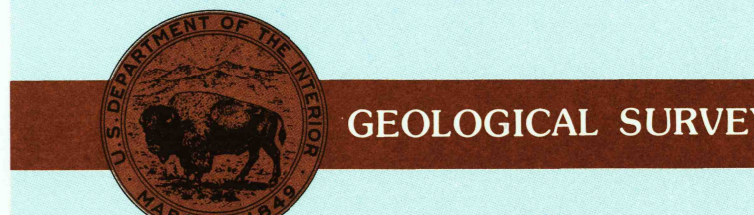


30 X 60 MINUTE QUADRANGLE SHOWING

- 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 1957-1972. Planimetry revised from aerial photographs taken 1960 and other source data. Revised information not field checked. Map edited 1984.
 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 line 2 meters east
 There may be private inholdings within the boundaries of the National or State reservations shown on this map

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	1983	1984	1	2	3
1	3.2808	11° 15'	11° 16'	1	2	3
2	6.5617	11° 16'	11° 17'	4	5	6
3	9.8425	11° 17'	11° 18'	7	8	9
4	13.1234	11° 18'	11° 19'	10	11	12
5	16.4042	11° 19'	11° 20'	13	14	15
6	19.6850	11° 20'	11° 21'	16	17	18
7	22.9659	11° 21'	11° 22'	19	20	21
8	26.2467	11° 22'	11° 23'	22	23	24
9	29.5275	11° 23'	11° 24'	25	26	27
10	32.8084	11° 24'	11° 25'	28	29	30

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

UTM grid convergence (GCM) 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, trail
- 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; projection
- 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
- Ruin; cliff dwelling
- Distorted surface: strip mine, lava; sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream, lake, pond; intermittent
- Rapids, large and small; falls, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Scrub; mangrove
- Ditch; viaduct

A pamphlet describing topographic maps is available on request

