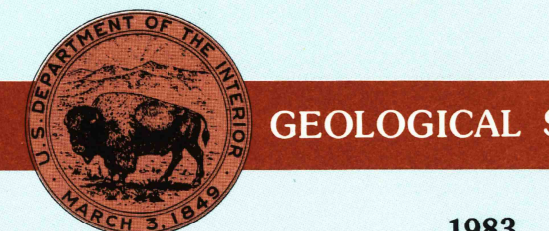


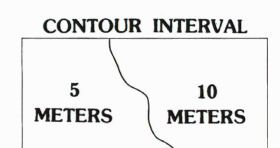
30 X 60 MINUTE QUADRANGLE SHOWING

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



Produced by the United States Geological Survey
 Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1958-1969. Planimetry revised from aerial photographs taken 1970, 1979-80 and other source data. Revised information not field checked. Map edited 1983.
 Projection and 10 000-meter grid, zone 15, Universal Transverse Mercator
 25 000-foot grid ticks based on Louisiana coordinate system, south and north zones and Mississippi coordinate system, west zone
 1927 North American Datum
 To place on the predicted North American Datum 1983, move the projection lines 17 meters south and 11 meters east
 There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 5 AND 10 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 ELEVATIONS SHOWN TO THE NEAREST METER



THIS MAP COMPLETS WITH NATIONAL MAP ACCURACY STANDARDS

| CONVERSION TABLE | | DECLINATION DIAGRAM | | ADJOINING MAPS | |
|------------------|---------|---------------------|----|----------------|----|
| Meters | Feet | 1 | 2 | 3 | 4 |
| 1 | 3.2808 | | 1 | 2 | 3 |
| 2 | 6.5617 | | 4 | 5 | 6 |
| 3 | 9.8425 | | 7 | 8 | 9 |
| 4 | 13.1234 | | 10 | 11 | 12 |
| 5 | 16.4042 | | 13 | 14 | 15 |
| 6 | 19.6850 | | 16 | 17 | 18 |
| 7 | 22.9659 | | 19 | 20 | 21 |
| 8 | 26.2467 | | 22 | 23 | 24 |
| 9 | 29.5275 | | 25 | 26 | 27 |
| 10 | 32.8084 | | 28 | 29 | 30 |

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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
- Bank or area, scabbling, 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
- Compass rose, point, area, U.S. location monument
- Flume, cliff dwelling
- Distorted surface: strip mine, bar, sand
- Contours: index, intermediate, supplementary
- Bathymetric contours: index, intermediate
- Stream, lake, pond, reservoir, waterway
- Rapids, large and small, falls, large and small
- Area to be submerged: marsh, swamp
- Land subject to controlled inundation: woodland
- Straw, mangrove
- Drainage, sewerage

A pamphlet describing topographic maps is available on request
 FOR SALE BY THE GEOLOGICAL SURVEY
 P.O. BOX 25286, DENVER, COLORADO 80225

