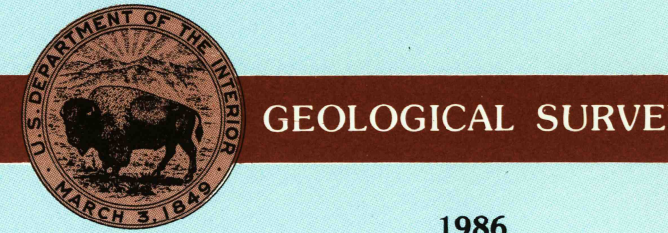


- Elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1962-1983. Planimetry revised from aerial photographs taken 1984 and other source data. Revised information not field checked. Map edited 1986.
 Projection and 10 000-meter grid, zone 15 Universal Transverse Mercator. 25 000-foot grid ticks based on Texas coordinate system, north central zone and Louisiana coordinate system, north zone. 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 13 meters south and 20 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 | 0° 48' | 0° 57' | 1 | 2 | 3 | | |
| 1 | 3.2808 | | | 4 | 5 | | | |
| 2 | 6.5617 | | | 6 | 7 | 8 | | |
| 3 | 9.8425 | | | | | | | |
| 4 | 13.1234 | | | | | | | |
| 5 | 16.4042 | | | | | | | |
| 6 | 19.6851 | | | | | | | |
| 7 | 22.9659 | | | | | | | |
| 8 | 26.2468 | | | | | | | |
| 9 | 29.5276 | | | | | | | |
| 10 | 32.8085 | | | | | | | |

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

UTM grid convergence (IGM and 1986 magnetic declination) at center of map
 Diagram is approximate

1 Minnola
 2 Marshall
 3 Newport North
 4 Tyler
 5 Palmetto
 6 Palmetto
 7 Newburg
 8 Natchitoches

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
- Road marker: Interstate: U. S.; State
- Railroad: standard gauge; narrow gauge
- 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 land survey: range, township, section
- Range, township; section line: protected
- 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
- Ruins; cliff dwelling
- Disturbed surface: strip mine, levee, 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 subsidence; wetland
- Soils: mangrove
- Orchard; vineyard

