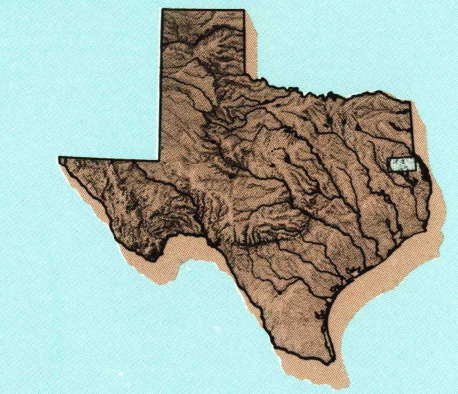


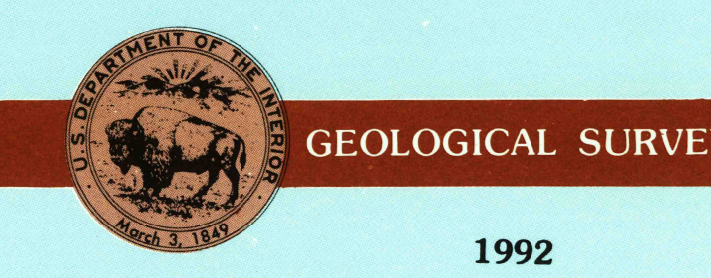
Nacogdoches TEXAS-LOUISIANA

1:100 000-scale metric topographic map



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-scale topographic maps dated 1973-1984. Planimetry revised from aerial photographs taken 1987 and other source data. Revised information not field checked. Map edited 1992.
 1927 North American Datum (NAD 27). Projection and 10 000-meter grid: Universal Transverse Mercator, zone 15 25 000-foot ticks: Texas coordinate system central and north central zones.
 The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datums for 7.5-minute intersections are given in USGS Bulletin 1875.
 There may be private inholdings within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 10 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		1 2 3
1	3.2808		4 5
2	6.5617		6 7 8
3	9.8425		
4	13.1234		
5	16.4042		
6	19.6850		
7	22.9659		
8	26.2467		
9	29.5275		
10	32.8084		

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

UTM grid convergence (IGN and 1983 magnetic declination) (M) at center of map
 Diagram is approximate

USGS AND HISTORICAL MAP ARCHIVES
 OCT 29 1992
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 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, paved, hard or improved surface
- Route marker: Interstate, U. S., State
- Railroad: standard gage; narrow gage
- Bridge: overpass; underpass
- Tunnel: road; railroad
- Both up and down
- 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
- Other dam with lock
- Cemetery; building
- Windmill; water well; spring
- Mine shaft; adit or cave; mine, quarry; gravel pit
- Both up and down
- Campground; picnic area; U. S. location monument
- Ruins; 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; wooded
- Soda; mangrove
- Orchard; vineyard

