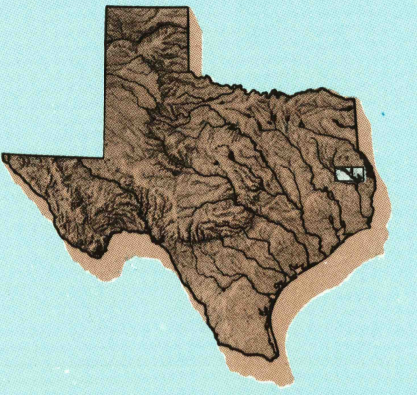


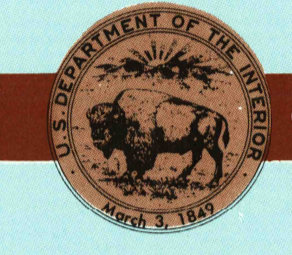
Lufkin TEXAS

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



GEOLOGICAL SURVEY

1992

Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1980-1984. 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 grid ticks: Texas coordinate system central zone.

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 STANDARD

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	MAGNETIC		1	2	3
1	3.2808	4° 15'		4	5	
2	6.5617	14 MILS		6	7	8
3	9.8425	30 MILS				
4	13.1234	45 MILS				
5	16.4042	60 MILS				
6	19.6850	75 MILS				
7	22.9659	90 MILS				
8	26.2467	105 MILS				
9	29.5276	120 MILS				
10	32.8084	135 MILS				

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

UTM grid convergence (CG) and 100-metric declination (MD) at center of map. Diagram is approximate.

1 Palestine
 2 Nacogoches
 3 Nacochitoches
 4 Crockett
 5 Lavaca
 6 Hamilton
 7 Livingston
 8 De Rides

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 MAP ARCHIVES
 AUG 13 1992
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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
- River: township; section line; waterway
- Power transmission line; pipeline
- Dam; dam with lock
- Cemetery; building
- Windmill; water well; spring
- Mine shaft; salt or coal mine; quarry; gravel pit
- 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; woodland
- Soils: mangrove
- Orchard; vineyard