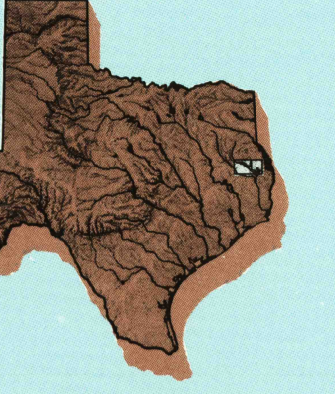


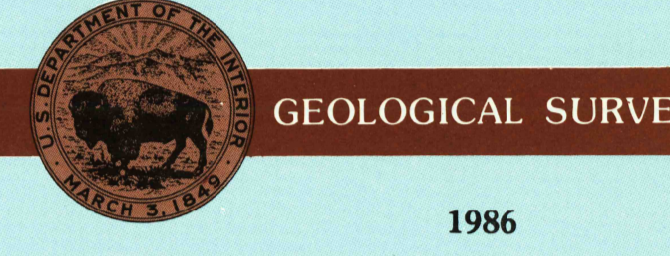
Lufkin TEXAS

1:100 000-scale
planimetric map



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 1980-1984. Planimetry revised from aerial photographs taken 1982 and 1983 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, central zone, 1927 North American Datum
 To place on the predicted North American Datum 1983 move the projection lines 16 meters south and 15 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 COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	1'	0'	1	2	3
1	3.2808	10°	10'	4	5	
2	6.5617	10°	20'	5		
3	9.8425	10°	30'			
4	13.1234	10°	40'			
5	16.4042	10°	50'			
6	19.6850	10°	00'	6	7	8
7	22.9659	10°	10'			
8	26.2467	10°	20'			
9	29.5275	10°	30'			
10	32.8084	10°	40'			

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

UTM grid convergence 690 and 1983 magnetic declination (M.D.) at center of map
 Diagram is approximate

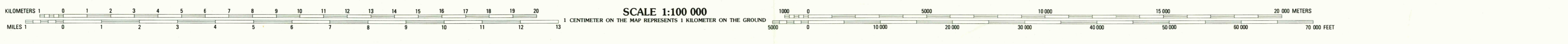
1 Palestine
 2 Natchitoches
 3 Caddo
 4 Leavelle
 5 Haskell
 6 Livingston
 7 De Rudder

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225
 OR RESTON, VIRGINIA 22092

AUG 12 1986
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Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, private 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: projected
- Power transmission line: overhead
- Dam; dam with lock
- Cemetery; building
- Windmill; water well; spring
- Mine shaft: adit or cave; mine, quarry; gravel pit
- Survey monument: section corner
- Campground; picnic area; U. S. location monument
- Ruin; cliff dwelling
- Distorted 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 inundation; woodland
- State; map; map
- Order; viewpoint



LUFKIN, TEXAS
 31094-A1-PL-100