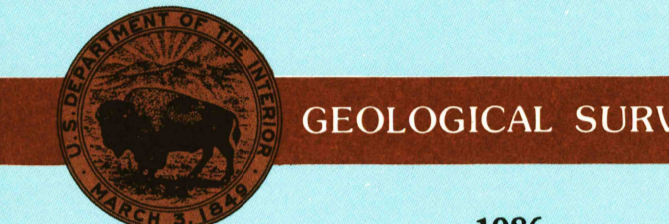


30 X 60 MINUTE QUADRANGLE  
SHOWING

- 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 1957-1984. Planimetry revised  
 from aerial photographs taken 1981 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 Louisiana coordinate  
 system, north zone and Texas coordinate system  
 central zone, 1927 North American Datum.  
 To place on the projected North American Datum 1983 move  
 the projection lines 15 meters south and 17 meters east.  
 There may be private inholdings within the boundaries of the  
 National or State reservations shown on this map.

CONTOUR INTERVAL 10 METERS  
 SUPPLEMENTARY CONTOUR INTERVAL 5 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	MAGNETIC DECLINATION		1	2	3
1	3.2808		6° W 5 MILS	1	2	3
2	6.5616			4	5	6
3	9.8424			7	8	
4	13.1232					
5	16.4040					
6	19.6848					
7	22.9656					
8	26.2464					
9	29.5272					
10	32.8080					

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

UTM grid convergence (GN and 1983 magnetic declination) (MAG) Diagram is approximate

1 Henderson  
 2 Shreveport South  
 3 Natchitoches  
 4 Natchitoches  
 5 Lumberton  
 6 Lumberton  
 7 Lumberton  
 8 Alexandria

RETURN TO USGS AND HISTORICAL MAP ARCHIVES

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
- 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: protracted
- Power transmission line; pipeline
- Dam; dam with lock
- Canal; canal with lock
- Windmill; water well; spring
- Mine shaft; pit or cave; mine, quarry; gravel pit
- Campground; picnic area; U. S. location monument
- Ruins; cliff dwelling
- Contour surface: strip mine, bar, sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream, lake: perennial; intermittent
- Rapids, large and small; lake, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Orchard; vineyard

A pamphlet describing topographic maps is available on request

