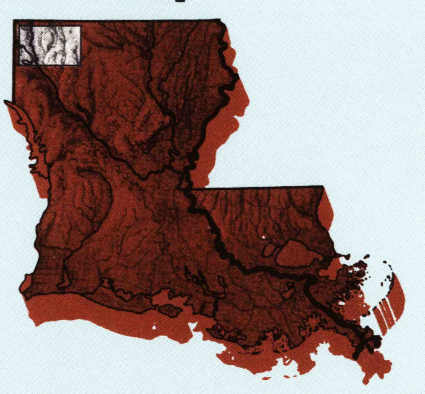


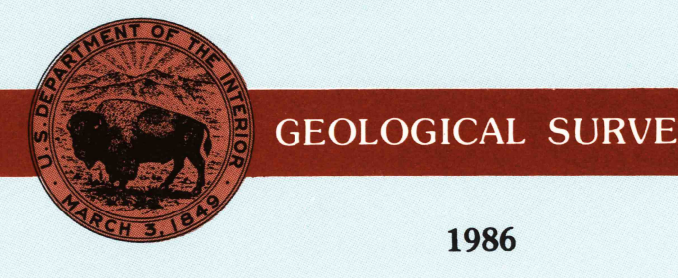
Shreveport North LOUISIANA

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 1969-1982. Planimetry revised from aerial photographs taken 1982 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. 1927 North American Datum
 To place on the predicted North American Datum 1983 move the projection lines 12 meters south and 17 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

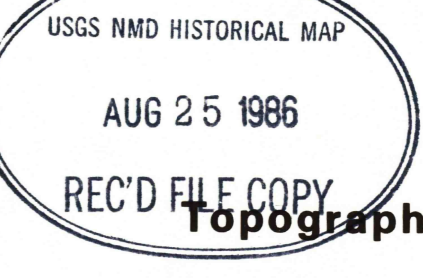
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS			
Meters	Feet	GN	MN	1	2	3	4
1	3.2808	0° 15'	41° 00'	1	2	3	4
2	6.5617	0° 15'	41° 00'	5	6	7	8
3	9.8425	0° 15'	41° 00'				
4	13.1234	0° 15'	41° 00'				
5	16.4042	0° 15'	41° 00'				
6	19.6850	0° 15'	41° 00'				
7	22.9659	0° 15'	41° 00'				
8	26.2467	0° 15'	41° 00'				
9	29.5275	0° 15'	41° 00'				
10	32.8084	0° 15'	41° 00'				

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

UTM grid convergence (GN) and magnetic declination (MN) at center of map. Diagram is approximate.

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 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 lands survey: range, township, section
- Range, township, section line: protruded
- Power transmission line: pipeline
- Dam, dam with lock
- Cemetery, building
- Windmill; water well; spring
- Mine shaft; pit or cave; mine, quarry, gravel pit
- Campground; picnic area; U. S. location monument
- Ruin; cliff dwelling
- Distorted surface: strip mine, lava, sand
- Contours: index, intermediate, supplementary
- Benches: contour, index, supplementary
- Stream, lake, perennial, intermittent
- Rapids, large and small; falls, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation, woodland
- Drain; man-made
- Drainage; viewpoint

SCALE 1:100 000

SHREVEPORT NORTH, LOUISIANA
32093-E1-PL-100