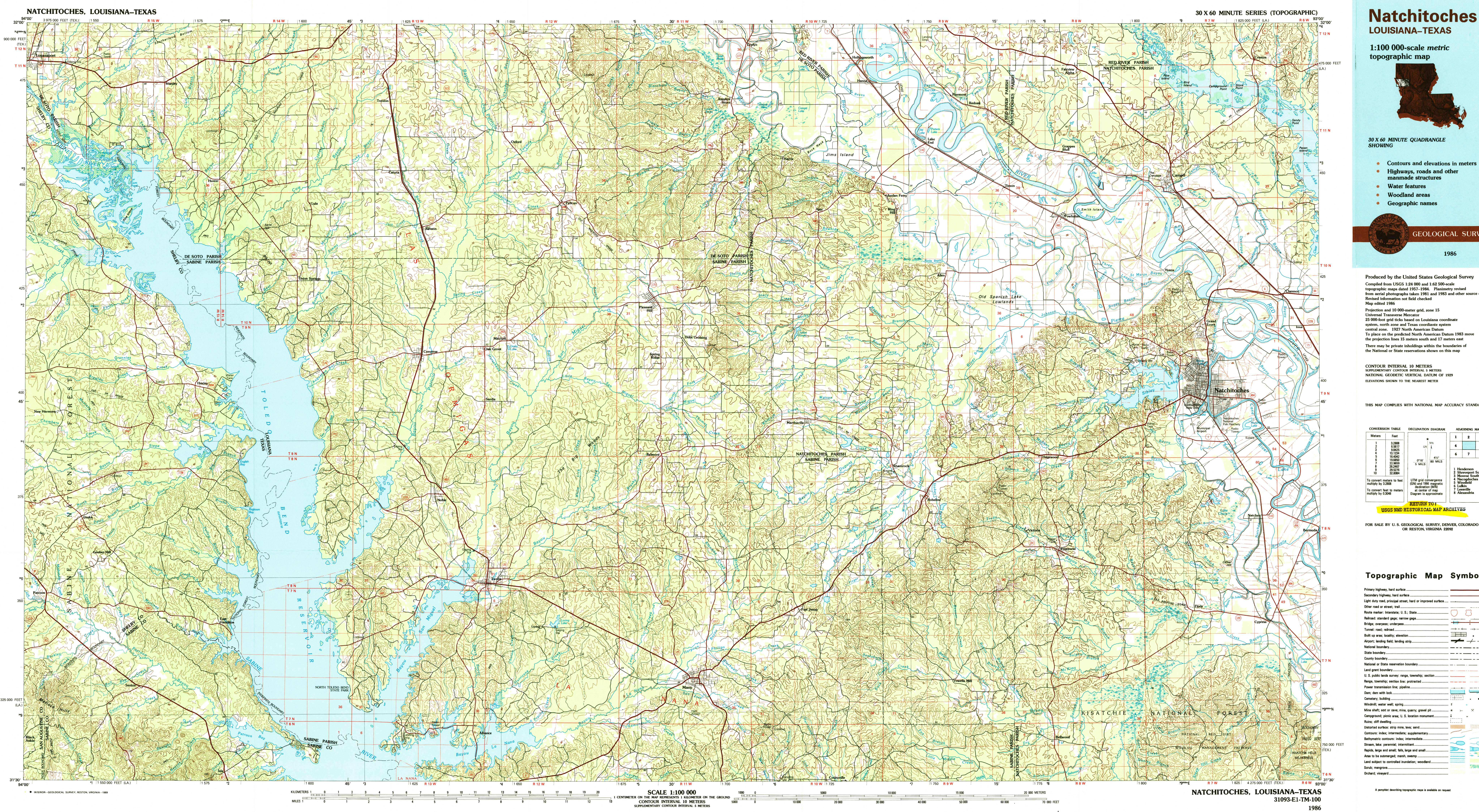
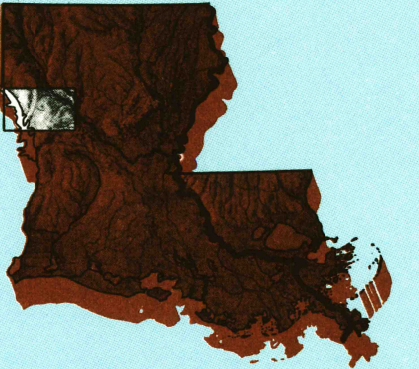




# Natchitoches

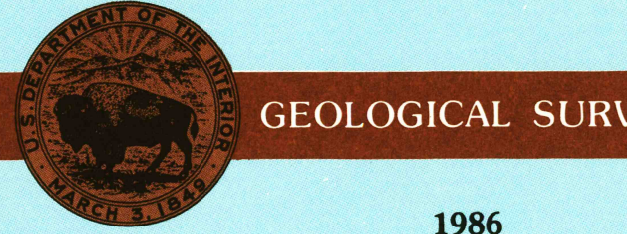
## LOUISIANA-Texas

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



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 predicted 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    |                     | 1              | 2 | 3 |  |
| 1                | 3.2808  |                     | 4              | 5 |   |  |
| 2                | 6.5617  |                     |                |   |   |  |
| 3                | 9.8425  |                     |                |   |   |  |
| 4                | 13.1234 |                     |                |   |   |  |
| 5                | 16.4042 |                     |                |   |   |  |
| 6                | 19.6850 |                     |                |   |   |  |
| 7                | 22.9659 |                     |                |   |   |  |
| 8                | 26.2467 |                     |                |   |   |  |
| 9                | 29.5276 |                     |                |   |   |  |
| 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 1983)  
Diagram is approximate

RETURN TO 1  
USGS AND HISTORICAL MAP ARCHIVES

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

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
- 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: protected
- Power transmission line: pipeline
- Dam: dam with lock
- Cemetery: building
- Windmill; water well; spring
- Mine shaft: ore or cave; mine, quarry; gravel pit
- Campground; picnic area; U. S. location monument
- Ruin; cliff dwelling
- Isolated surface: strip mine, low, sand
- Contour: 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
- Orchard; vineyard

A pamphlet describing topographic maps is available on request

NATCHITOCHES, LOUISIANA-Texas  
31093-E1-TM-100  
1986