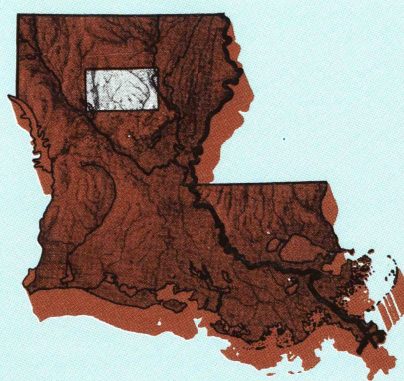
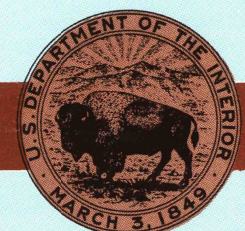




1:100 000-scale
planimetric map

30 X 60 MINUTE QUADRANGLE
SHOWING

- Elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



GEOLOGICAL SURVEY

1985

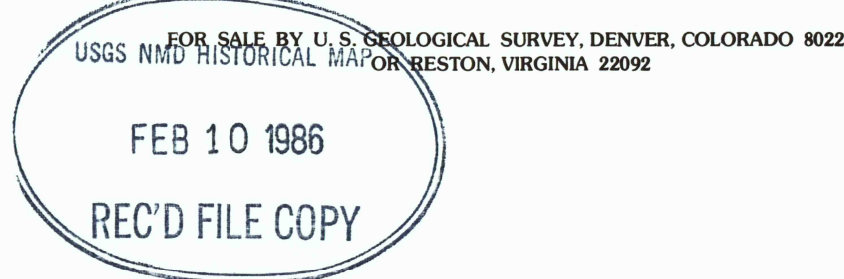
Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps
dated 1949-1982. Planimetry revised from aerial
photographs taken 1982-83 and other source data
Revised information not field checked
Map edited 1985
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 13 meters south and 14 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			1	2	3	
1	3.2808						
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 conversion (GN and 198 magnetic declination (M) at center of map Diagram is approximate		1 Shreveport North 2 Monroe North 3 Bastrop 4 Natchitoches 5 Tallulah 6 Natchitoches 7 Winfield 8 Natchez			



Topographic Map Symbols

- | | |
|---|--|
| primary highway, hard surface | |
| secondary highway, hard surface | |
| light duty road, principal street, hard or improved surface | |
| heavy duty road or street, red surface | |
| unimproved road; narrow gage | |
| railroad: standard gage; narrow gage | |
| canal; overpass; underpass | |
| canal: concrete; railroad | |
| cult. up area, locality, elevation | |
| road: landing, flying strip | |
| national boundary | |
| state boundary | |
| international boundary | |
| National or State reservation boundary and grant boundary | |
| U. S. public lands: survey, range, township; section | |
| U. S. survey; section line: protracted | |
| water transmission line: pipeline | |
| canal; dam; lock | |
| settlement; building | |
| vicinity; water well; spring | |
| line shaft, art or cist. cist. quarry, gravel pit | |
| canal; drainage; picnic area; U. S. location monument | |
| cliffs; cliff dwelling | |
| distorted surface: strip mine, lands; sand | |
| contour; line: intermittent; supplementary | |
| geomorphic contour; index; intermedia | |
| lake; pond; lake; perennial; intermittent | |
| lake; large and small; falls, large and small | |
| area to be submerged; marsh; swamp | |
| subject to controlled inundation; woodland | |
| crab; mangrove | |
| archaeol.; vineyard | |

A pamphlet describing topographic maps is available on request.