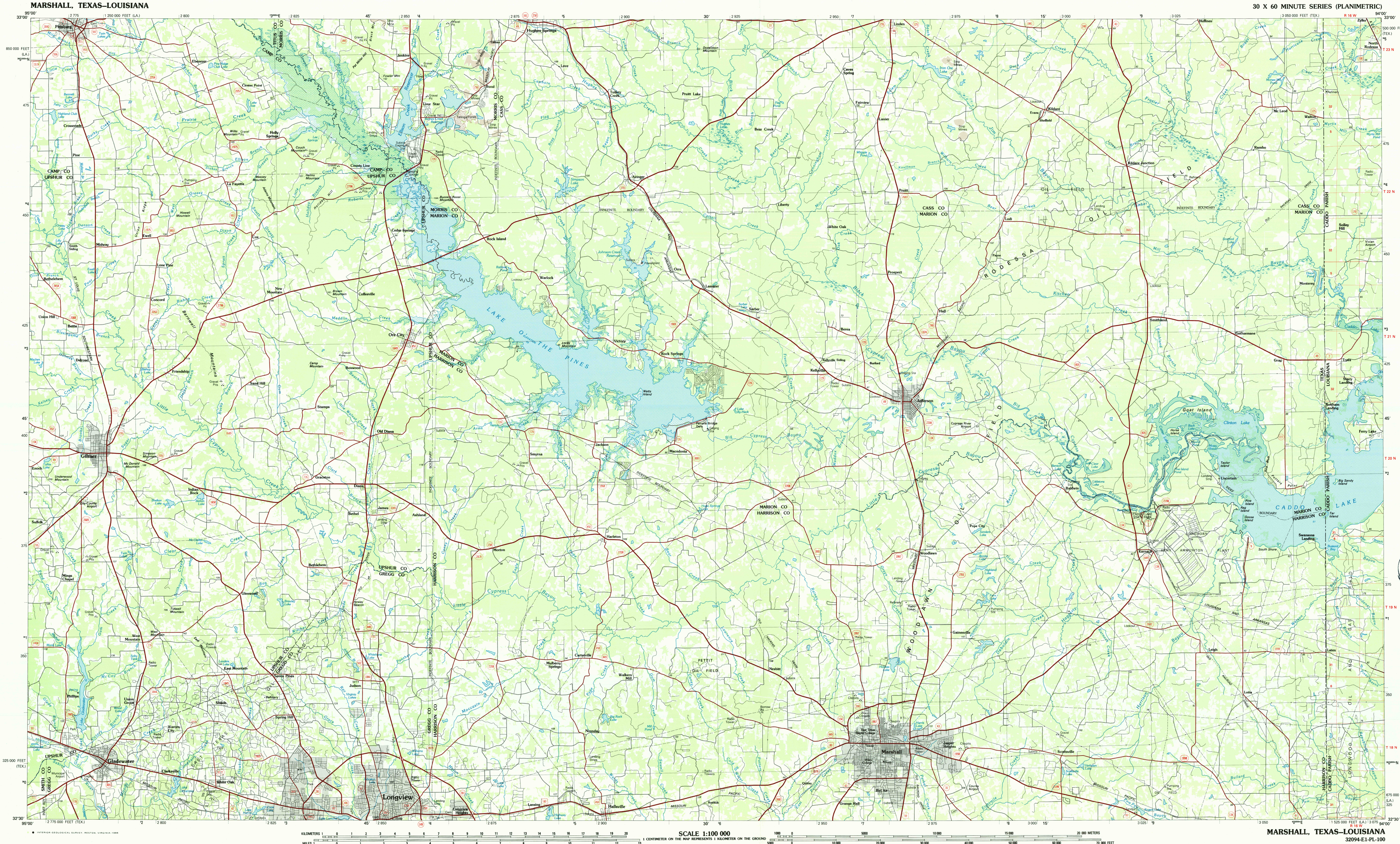
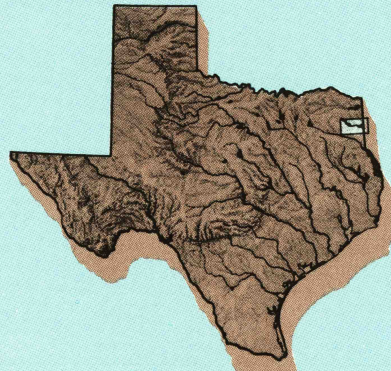




Marshall

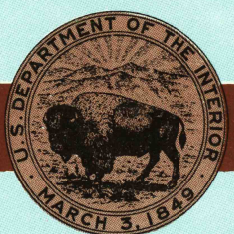
TEXAS-LOUISIANA

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



GEOLOGICAL SURVEY

1986

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1962-1978. Planimetry revised from aerial photographs taken 1984 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, north central zone and Louisiana coordinate system, north zone. 1927 North American Datum.
To place on the predicted North American Datum 1983 move the projection lines 11 meters south and 19 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		1	2	3	
2	6.5617		4	5		
3	9.8425					
4	13.1232					
5	16.4040					
6	19.6850					
7	22.9659					
8	26.2467					
9	29.5275					
10	32.8084					
To convert meters to feet multiply by 3.2808		UTM grid convergence (GM) and 1986 magnetic declination (M) at center of map. Diagram is approximate.	1 Sulphur Springs			
To convert feet to meters multiply by 0.3048			2 Texarkana			
			3 Magnolia			
			4 Mifolia			
			5 Shreveport North			
			6 Tyler			
			7 Henderson			
			8 Shreveport South			

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80226
USGS NMD HISTORICAL MAP RESTON, VIRGINIA 22092

AUG 14 1986

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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
- 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
- Rail: open, with box
- Cemetery, building
- Windmill, water well, spring
- Mine shaft; adit or cave; mine, quarry, gravel pit
- Gravestone, picnic area, U. S. location monument
- Rail: off dwelling
- Disturbed surface: strip mine, levee, sand
- Contours: index, intermediate, supplementary
- Bathymetric contours: index, intermediate
- Stream, lake, perennial, intermittent
- Rapids, large and small, bays, lagoons and small
- Area to be submerged, marsh, swamp
- Land subject to controlled inundation, woodland
- Scrub, mangrove
- Orchard, vineyard

A pamphlet describing topographic maps is available on request

MARSHALL, TEXAS-LOUISIANA

32094-E1-PL-100

1986