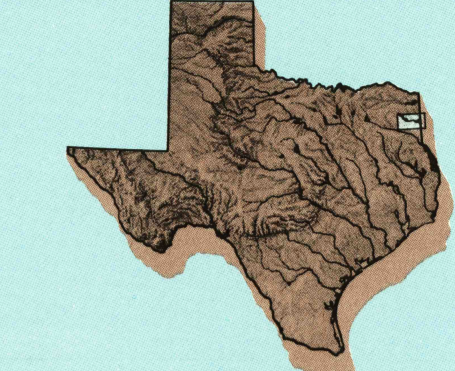


Marshall

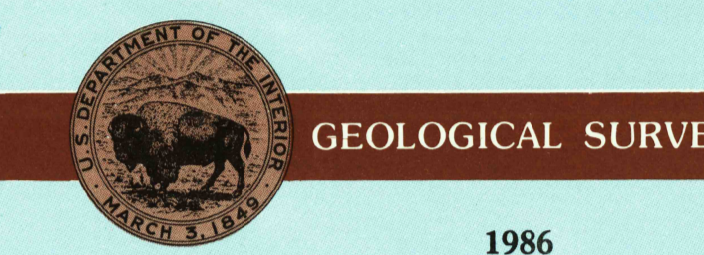
TEXAS-LOUISIANA

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



Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1960-1978. 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 15 meters east. There may be private subdivisions 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 COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	True	Magnetic	1	2	3
1	3.2808	0°49'	0°15' W	1	2	3
2	6.5617			4	5	
3	9.8425			6	7	8
4	13.1234					
5	16.4042					
6	19.6851					
7	22.9659					
8	26.2468					
9	29.5276					
10	32.8085					

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

UTM grid convergence (GM) and 1983 magnetic declination (M) at center of map. Diagram is approximate.

1 Sulphur Springs
 2 Tarkenton
 3 Muskogee
 4 Shawport North
 5 Tyler
 6 Henderson
 7 Shawport South

FOR SALE BY THE GEOLOGICAL SURVEY, DENVER, COLORADO 80222
 USGS NMD HISTORICAL MAP
 AUG 14 1986
 REC'D FILE COPY

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
- Open area with foot
- Cemetery; building
- Windmill; water well; spring
- Mine shaft; salt or cave; mine, quarry; gravel pit
- Campground; picnic area; U. S. location monument
- Railroad: off cutting
- Disturbed surface: strip mine, lava; sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream, lake; perennial; intermittent
- Rapids; weir and dam; falls, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Orchard; vineyard

