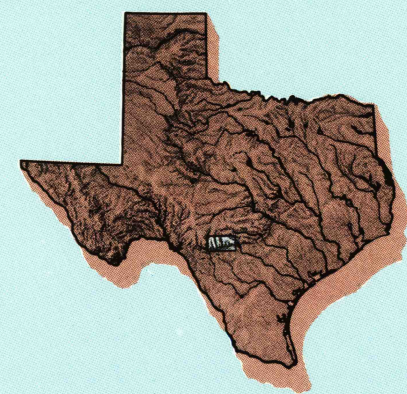


## BANDERA, TEXAS

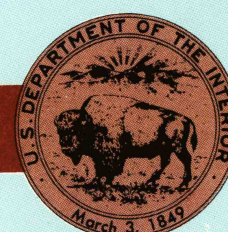


**1:100 000-scale metric  
topographic map**



**30 X 60 MINUTE QUADRANGLE  
SHOWING**

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



GEOLOGICAL SURVEY

1985 / 94

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1960-1982. Planimetry revised from aerial photographs taken 1983 and other source data. Revised information not field checked. Map edited 1985

North American Datum of 1927 (NAD 27). Projection and  
10 000-meter grid: Universal Transverse Mercator, zone 14  
25 000-foot ticks: Texas coordinate system, south central zone

The values of the shift between NAD 27 and North American Datum of 1983 (NAD 83) for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software.

There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 20 METERS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

| Meters | Feet    |
|--------|---------|
| 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 |

DECLINATION DIAGRAM

GN MN  
71°1'  
4 MILS 133 MILS

|   | 1 | 2 | 3 |
|---|---|---|---|
| 4 | 5 |   |   |
| 6 | 7 | 8 |   |

To convert meters to feet multiply by 3.2808

To convert feet to meters multiply by 0.3048

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

|   |                  |
|---|------------------|
| 1 | Rocksprings      |
| 2 | Kerrville        |
| 3 | Pedernales River |
| 4 | Osage Wood       |
| 5 | New Braunfels    |
| 6 | Del Rio          |
| 7 | Uvalde           |
| 8 | San Antonio      |

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, turf                                  |  |
| Railroad mark: interstate, U. S. State                      |  |
| Railroad: standard gage, narrow gage                        |  |
| Bridge: overpass; underpass                                 |  |
| Tunnel: road; railroad                                      |  |
| Build-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 range: range, township; section          |  |
| Range, township; section line: protected                    |  |
| Oil or transmission line; pipeline                          |  |
| Dam; dam with lock                                          |  |
| Cemetery; building                                          |  |
| Windmill; water well; spring                                |  |
| Mine shaft; old or save, mine, quarry, gravel pit           |  |
| Barometer; wind area, U. S. location monument               |  |
| Ruin; old dwelling                                          |  |
| Distorted surface strip, mine, lake, sand                   |  |
| Contours: index, intermediate; supplementary                |  |
| Streamlines: contours; index, intermediate                  |  |
| Beam, lake: perennial; intermittent                         |  |
| Rapids, large and small; falls, large and small             |  |
| Area to be submerged; marsh, swamp                          |  |
| Land subject to controlled inundation, woodland             |  |
| Slope; meadow                                               |  |
| Architect: viewpoint                                        |  |

A pamphlet describing topographic maps is available on request.

**BANDERA, TEXAS**  
29099-E1-TM-100

1985

RETURN TO:  
USGS NHD HISTORICAL MAP ARCHIVES

**SCALE 1:100 000**  
ON THE MAP REPRESENTS 1 KILOMETRE

KILOMETERS 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

A horizontal scale bar with markings at 1000, 0, 5000, 10 000, 15 000, and 20 000 METERS. The bar is divided into segments by vertical lines, with the numbers placed above the corresponding markings.

● INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA—199M