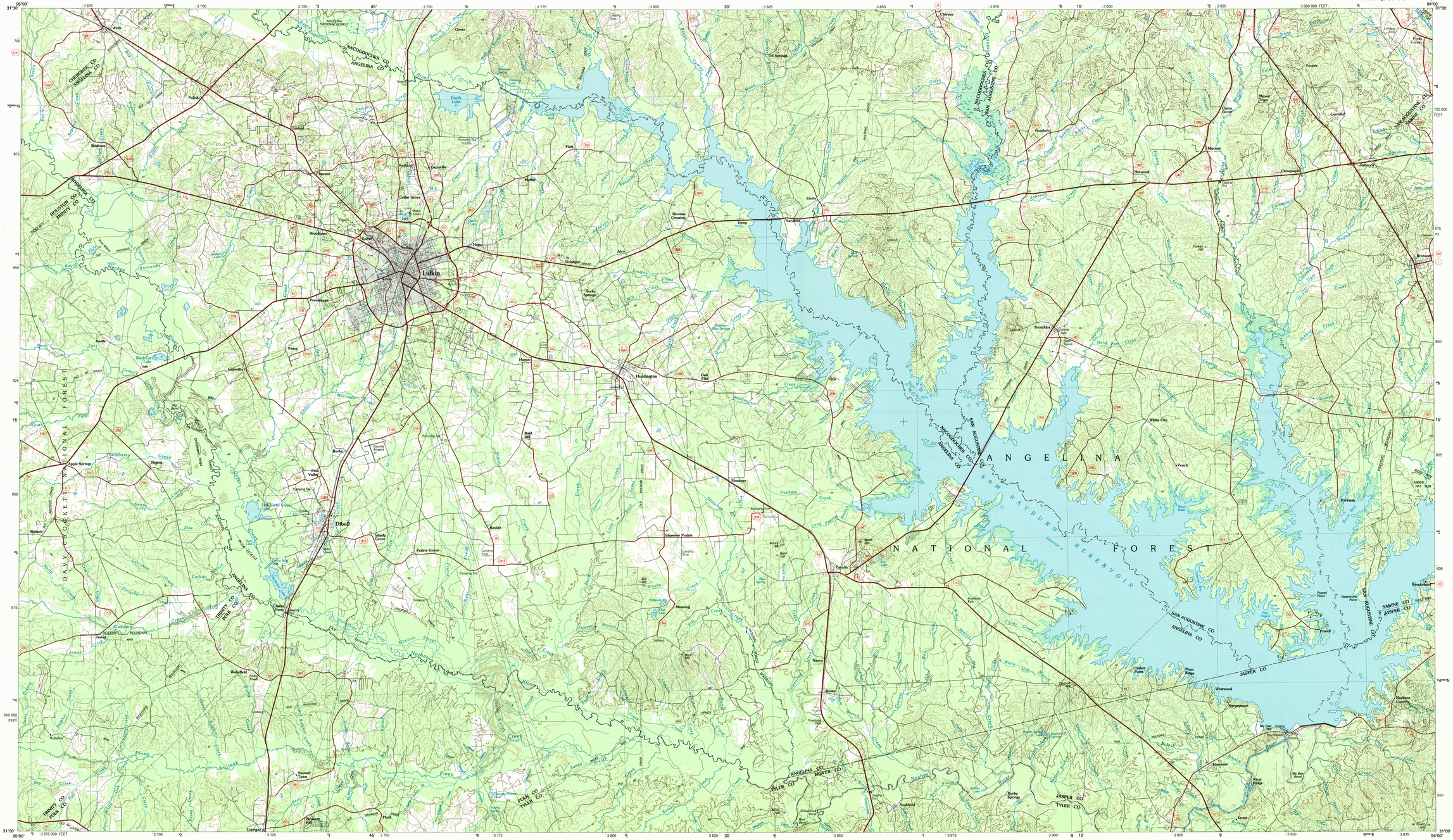

95°00' 3 675 3 700 3 725 45' 3 750 3 775 3 800 30' 3 825 3 850 7 3 875 8 15' 3 900 9 3 925 3 950 000 FEET E 94°00'

31°30' 700 675 650 625 600 575 550 000 FEET N 31°00'

31°00' 95°00' 3 675 000 FEET 3 700 3 725 45' 3 750 3 775 3 800 3 825 30 3 850 3 875 3 900 15' 3 925 3 950 E 3 975 94°00'

31°30' 700 675 650 625 600 575 550 000 FEET N 31°00'

INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA 1992

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

MILES 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13

SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

CONTOUR INTERVAL 10 METERS

1000 0 5000 10 000 15 000 20 000 METERS

5000 0 10 000 20 000 30 000 40 000 50 000 60 000 70 000 FEET

LUFKIN, TEXAS

31094-A1-TM-100

1992

31094-A1-TM

Lufkin

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 SURVE

1992

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1980–1984. Photometry revised from aerial photographs taken 1987 and other source data. Revised information not field checked. Map edited 1992

1927 North American Datum (NAD 27). Projection and 10 000-meter-grid: Universal Transverse Mercator, zone 15
25 000-foot grid ticks: Texas coordinate system central zone

The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datums for 7.5-minute intersections are given in USGS Bulletin 1875

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

CONTOUR INTERVAL 10 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARD

CONVERSION TABLE

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

To convert meters to feet multiply by 3.2808

To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM

GN
MN
0°43'
14 MILS
4°30'
80 MILS

UTM grid convergence (GN) and 1992 magnetic declination (MN) at center of map
Diagram is approximate

ADJOINING MAPS

1	2	3
4		5
6	7	8

1 Palestine
2 Nacogdoches
3 Natchitoches
4 Crockett
5 Lovelle
6 Huntsville
7 Livingston
8 De Ridder

FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

USGS EDC HISTORICAL MAP ARCHIVES
AUG 19 1992
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
Dam; dam with lock
Cemetery; building
Windmill; water well; spring
Mine shaft; adit or cave; mine, quarry; gravel pit
Campground; picnic area; U. S. location monument
Ruins; cliff dwelling
Distorted surface: strip mine, lava; sand
Contours: 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
Scrub; mangrove
Orchard; vineyard

A pamphlet describing topographic maps is available on request