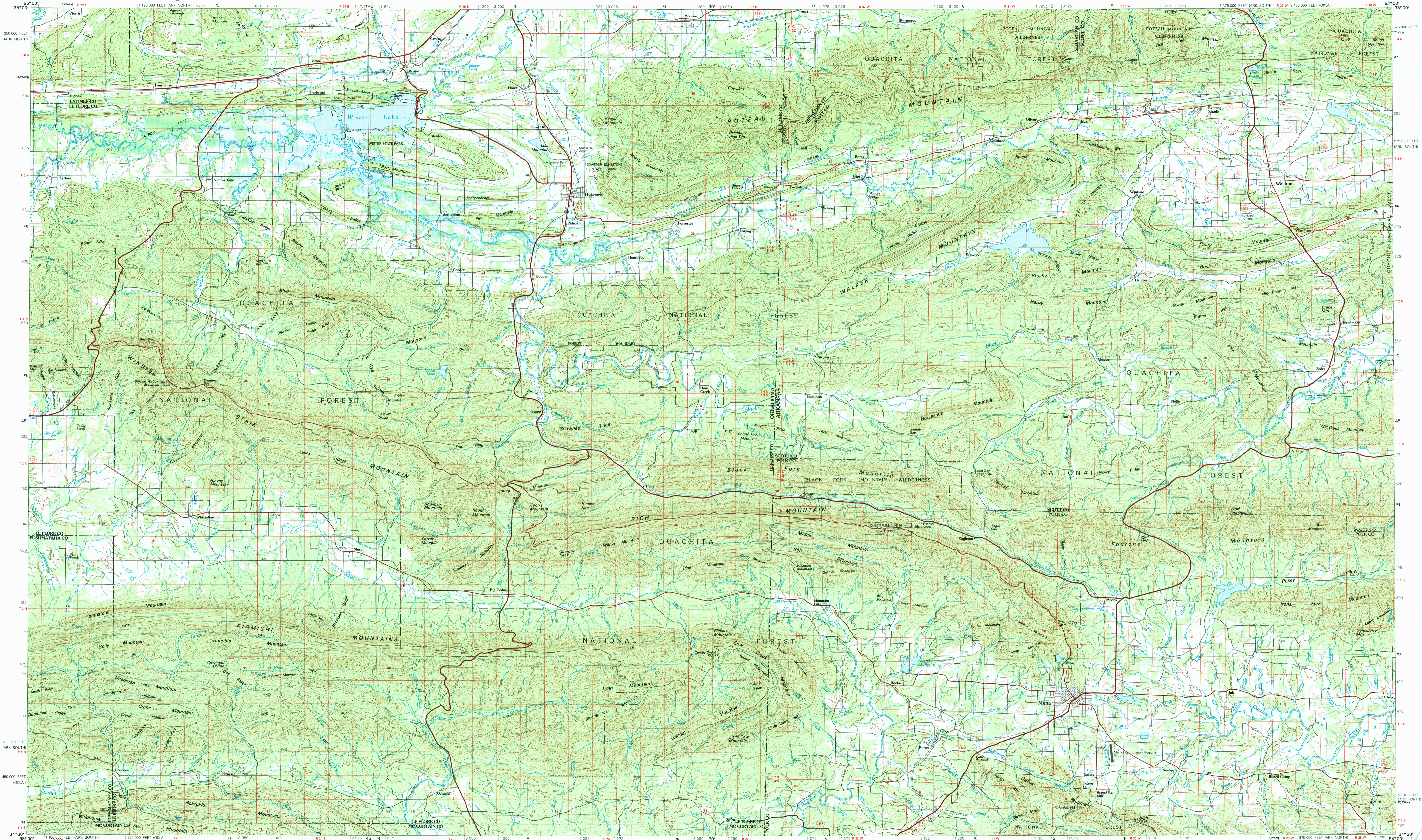


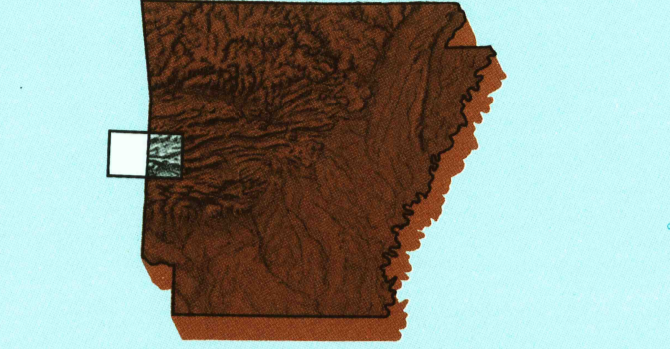
MENA, ARKANSAS—OKLAHOMA

30 X 60 MINUTE SERIES (TOPOGRAPHIC)

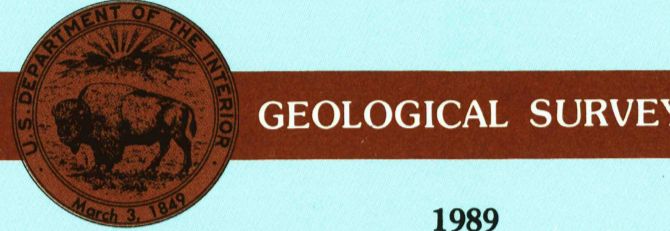


Mena ARKANSAS—OKLAHOMA

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



1989

Produced by the United States Geological Survey
 Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1938-1966. Planimetry revised from aerial photographs taken 1980-81 and other source data. Revised information not field checked. Map edited 1989.
 Projection and 10 000-meter grid, zone 15.
 Universal Transverse Mercator
 25 000-foot grid ticks based on Oklahoma coordinate system south zone and Arkansas coordinate system north and south zones 1927 North American Datum.
 To place on the predicted North American Datum 1983, move the projection lines 7 meters south and 19 meters east.
 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

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	MAGNETIC		1	2	3
1	3.2808	10° 15' N		1	2	3
2	6.5617	10° 15' N		4	5	6
3	9.8425	10° 15' N		6	7	8
4	13.1234	10° 15' N				
5	16.4042	10° 15' N				
6	19.6851	10° 15' N				
7	22.9659	10° 15' N				
8	26.2468	10° 15' N				
9	29.5276	10° 15' N				
10	32.8084	10° 15' N				

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

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

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

Topographic Map Symbols

Primary highway, hard surface	—
Secondary highway, wet 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: megal township, section	—
Range, township, section line: contracted	—
Power transmission line: pipeline	—
Dam; dam with lock	—
Cemetery, building	—
Wellhead, water well, spring	—
Mine shaft, adit or cave, mine, quarry, gravel pit	—
Campground, picnic area; U.S. location monument	—
Runs, cliff dwelling	—
Distorted surface: strip mine, lava, sand	—
Contour: 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	—