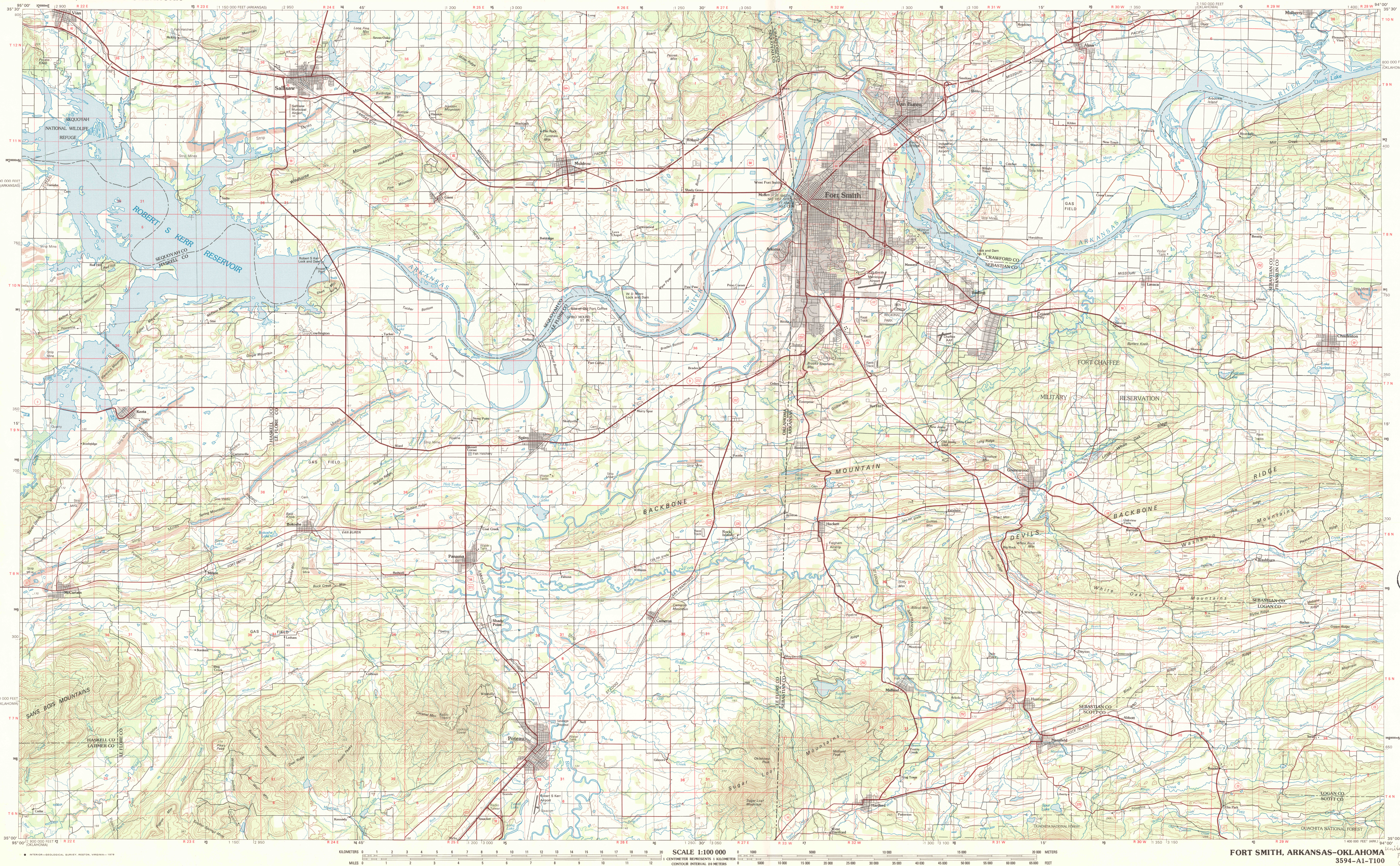
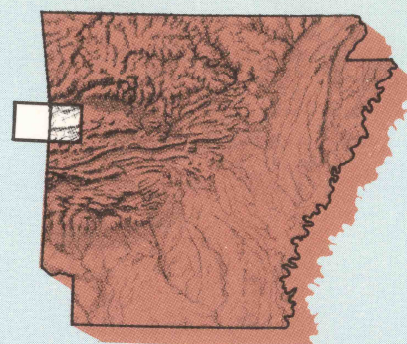


## FORT SMITH, ARKANSAS-OKLAHOMA

30X60 MINUTE SERIES (TOPOGRAPHIC)

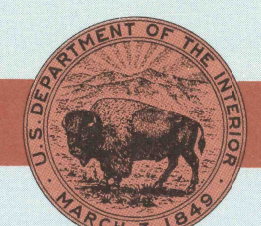


# 1:100 000-scale metric topographic map of Fort Smith ARKANSAS-OKLAHOMA



## 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

1978

Produced by the United States Geological Survey in cooperation with the Bureau of Land Management

Compiled from USGS 1:24 000-scale topographic maps dated 1947-1971. Planimetry revised from aerial photographs taken 1973, 1975 and other source data. Revised information not field checked. Map edited 1978.

Projection and 10 000-meter grid, zone 15: Universal Transverse Mercator  
50 000-foot grid ticks based on Oklahoma coordinate system, south zone and Arkansas coordinate system, north zone 1927 North American Datum  
To place on the predicted North American Datum 1983 move the projection lines 6 meters south and 20 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

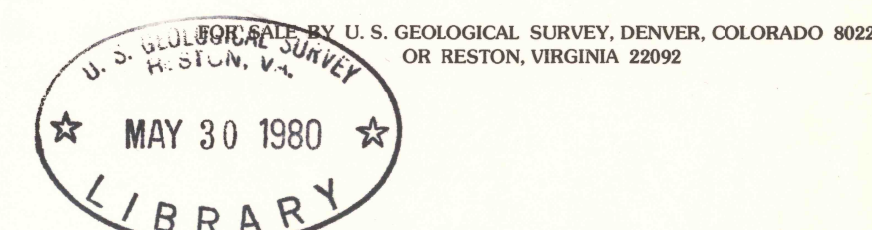
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

| CONVERSION TABLE |         | DECLINATION DIAGRAM  |  | ADJOINING MAPS |    |    |
|------------------|---------|----------------------|--|----------------|----|----|
| Meters           | Feet    | Magnetic Declination |  | 1              | 2  | 3  |
| 1                | 3.2808  | 0° 52' 15M           |  | 1              | 2  | 3  |
| 2                | 6.5617  | 0° 52' 15M           |  | 4              | 5  | 6  |
| 3                | 9.8425  | 0° 52' 15M           |  | 7              | 8  | 9  |
| 4                | 13.1234 | 0° 52' 15M           |  | 10             | 11 | 12 |
| 5                | 16.4042 | 0° 52' 15M           |  | 13             | 14 | 15 |
| 6                | 19.6850 | 0° 52' 15M           |  | 16             | 17 | 18 |
| 7                | 22.9658 | 0° 52' 15M           |  | 19             | 20 | 21 |
| 8                | 26.2467 | 0° 52' 15M           |  | 22             | 23 | 24 |
| 9                | 29.5275 | 0° 52' 15M           |  | 25             | 26 | 27 |
| 10               | 32.8084 | 0° 52' 15M           |  | 28             | 29 | 30 |

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

UTM grid convergence (600 and 1200 meters) at center of map  
Diagram is approximate

1 Muskogee  
2 Seminole  
3 Choctaw  
4 Chickasaw  
5 Creek  
6 Cherokee  
7 Shawnee  
8 Chickasaw



## 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 gauge, narrow gauge                      |  |
| 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                           |  |
| 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 graphic describing topographic maps is available on request

FORT SMITH, ARKANSAS-OKLAHOMA

3594-A1-T100

1978

