

Figure 9. Monthly and yearly discharge at selected gaging stations.

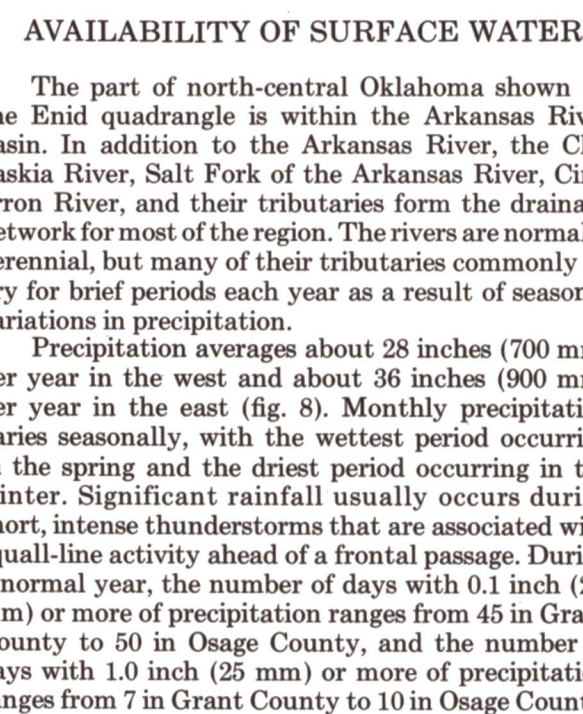
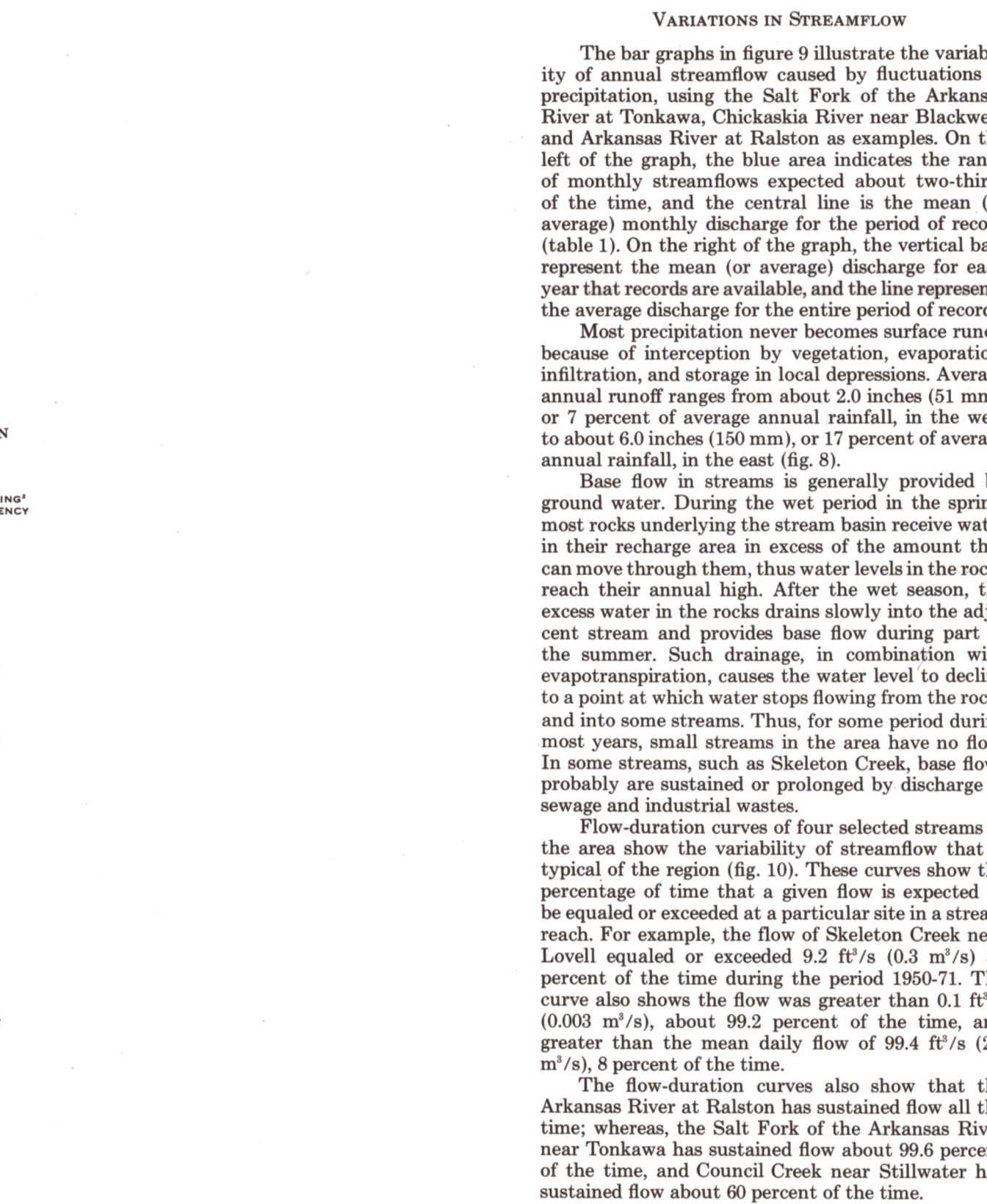


Figure 10. Flow-duration curves for selected streams



Streamflow data are available for 15 gaging stations (fig. 1) and 15 stream reaches (table 1). The stations (table 1) gives the station numbers, names and locations, and the periods of published records.

Prior to 1961, the records of streamflow at many major reservoir contents were published in the annual *Report of the United States Geological Survey, Paper entitled Surface Water Supply of the United States*. The records for Oklahoma are combined in Part 1 of that series. The records for the 5-year period, 1949 through 1965, are contained in Part 2 of a 2-volume publication.

Beginning in 1961, streamflow records have been published in annual reports on a state-by-state basis. These basic-data reports are for local use and are available from the District Office, U.S. Geological Survey, Water Resources Division, Oklahoma City, Oklahoma.

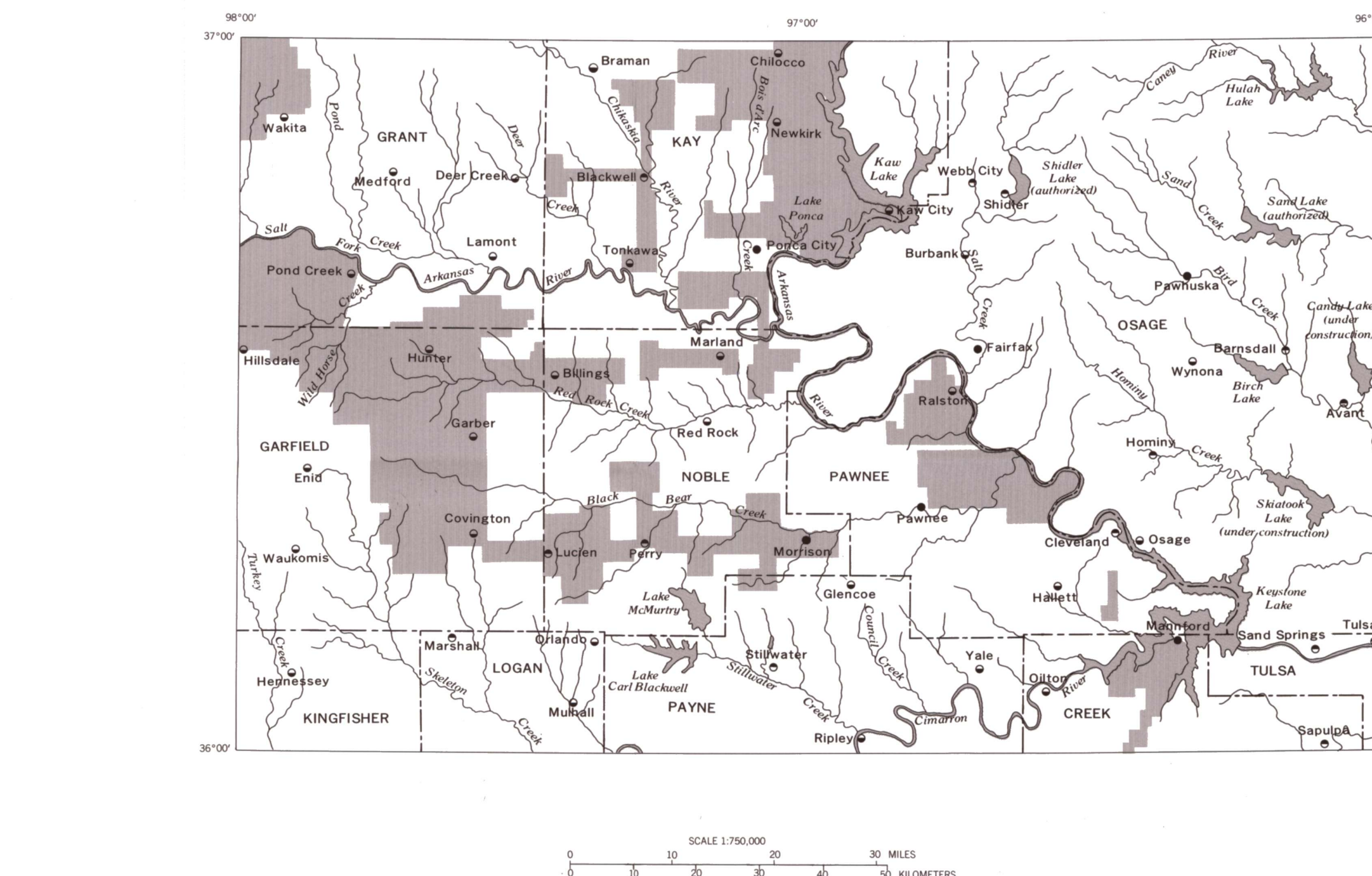
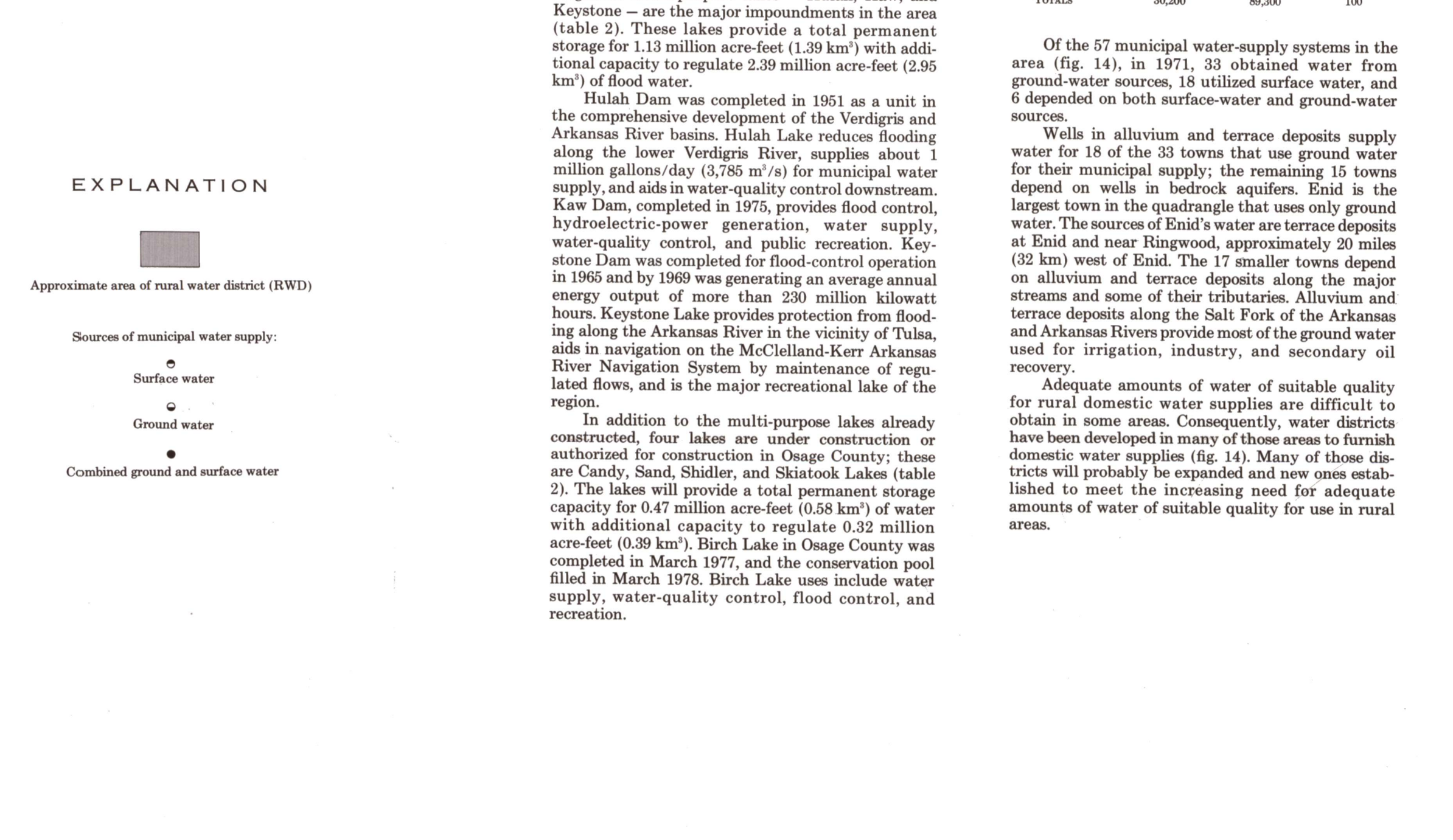


Figure 14. Map showing sources of municipal water supplies and approximate boundaries of rural water districts



Of the 57 municipal water-supply systems in the area (fig. 14), in 1971, 33 obtained water from ground-water sources, 18 utilized surface water, and 6 depended on both surface-water and ground-water sources.

Wells in alluvium and terrace deposits supply water for 18 of the 33 towns that use ground water for their municipal supply; the remaining 15 towns depend on wells in bedrock aquifers. Enid is the largest town in the quadrangle that uses only ground water. The sources of Enid's water are terrace deposits at Enid and near Ringwood, approximately 20 miles (32 km) west of Enid. The 17 smaller towns depend on alluvium and terrace deposits along the major streams and some of their tributaries. Alluvium and terrace deposits along the Salt Fork of the Arkansas and Arkansas Rivers provide most of the ground water used for irrigation, industry, and secondary oil recovery.

Adequate amounts of water of suitable quality for rural domestic water supplies are difficult to obtain in some areas. Consequently, water districts have been developed in many of those areas to furnish domestic water supplies (fig. 14). Many of those districts will probably be expanded and new ones established to meet the increasing need for adequate amounts of water of suitable quality for use in rural areas.