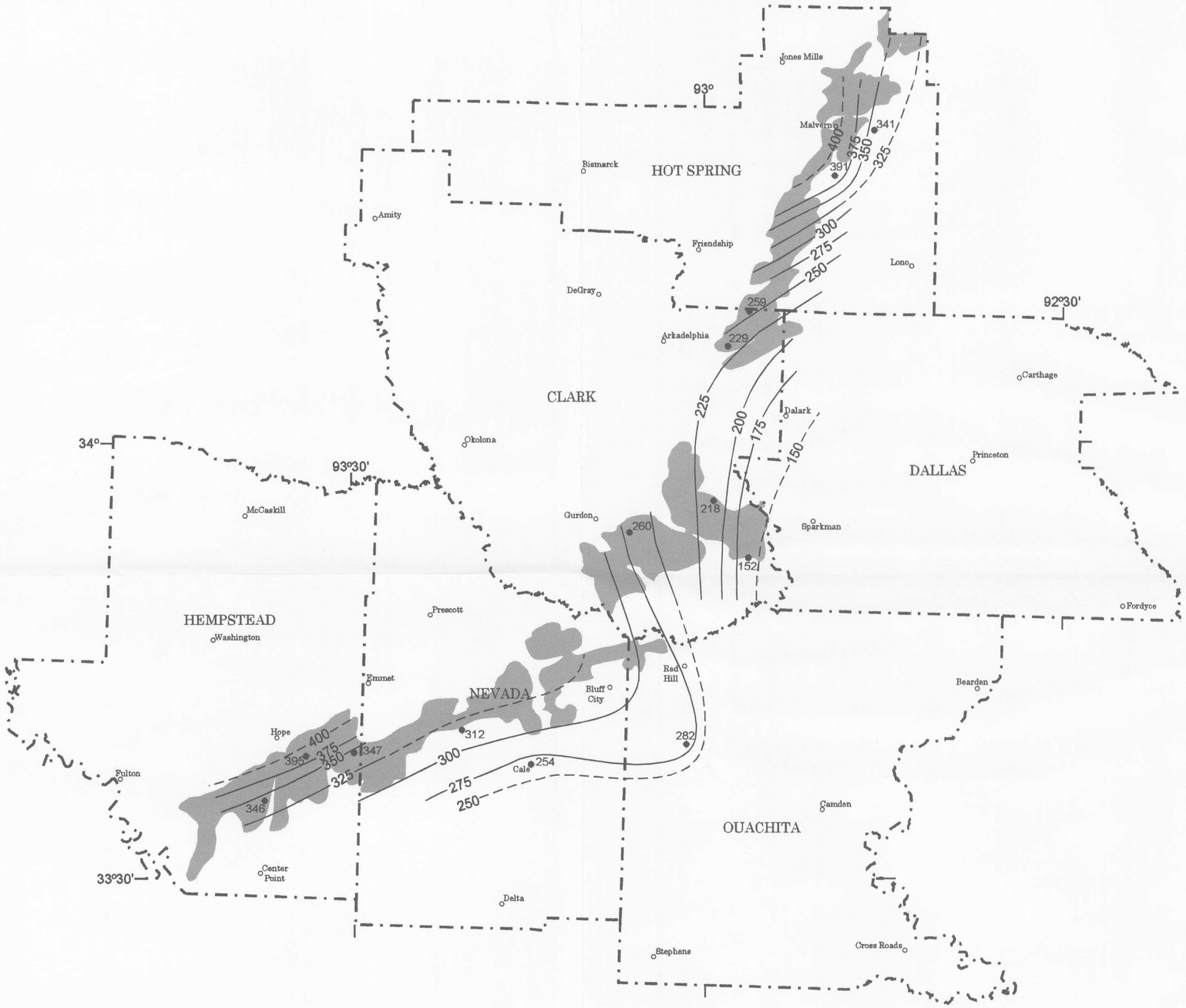
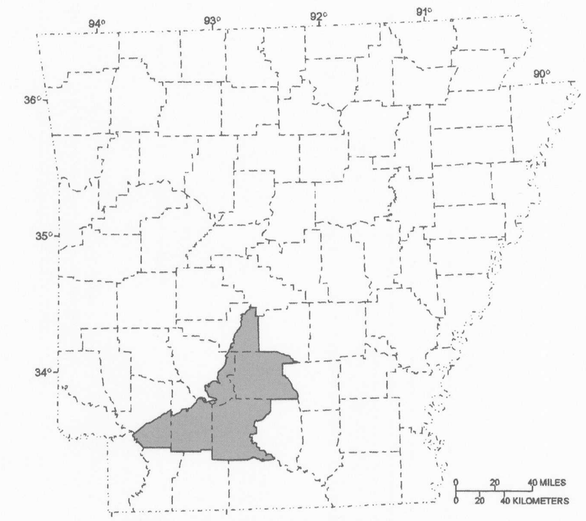
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Prepared in cooperation with the
ARKANSAS SOIL AND WATER CONSERVATION COMMISSION,
and the
ARKANSAS GEOLOGICAL COMMISSION

WATER-RESOURCES INVESTIGATIONS REPORT 98-4084
Potentiometric surface of the Wilcox aquifer in southern Arkansas--Plate 2
Joseph, R.L., 1998, Potentiometric surface of the Cockfield aquifer in southeastern Arkansas, and the Wilcox aquifers in southern and northeastern Arkansas, October 1996-July 1997





LOCATION OF STUDY AREA

EXPLANATION

OUTCROP OF WILCOX GROUP (From Haley, 1976)

300 POTENTIOMETRIC CONTOUR--Shows altitude at which water level would have stood in tightly cased wells. Dashed where approximately located. Contour interval 25 feet. Datum is sea level

260 WELL COMPLETED IN WILCOX AQUIFER IN SOUTHERN ARKANSAS--Number is water-level altitude determined during October 1996 to July 1997

NOTE: The potentiometric contours are generalized to portray synoptically the head in a dynamic hydrologic system, not taking into account the variation in well depth, non-simultaneous measurements of water level, variable effects of pumping, and changing climatic influence. The potentiometric contours may not conform exactly with individual measurements of water level.

0 10 20 30 40 MILES
0 10 20 30 40 KILOMETERS

POTENTIOMETRIC SURFACE OF THE WILCOX AQUIFER IN SOUTHERN ARKANSAS

Robert L. Joseph

1998