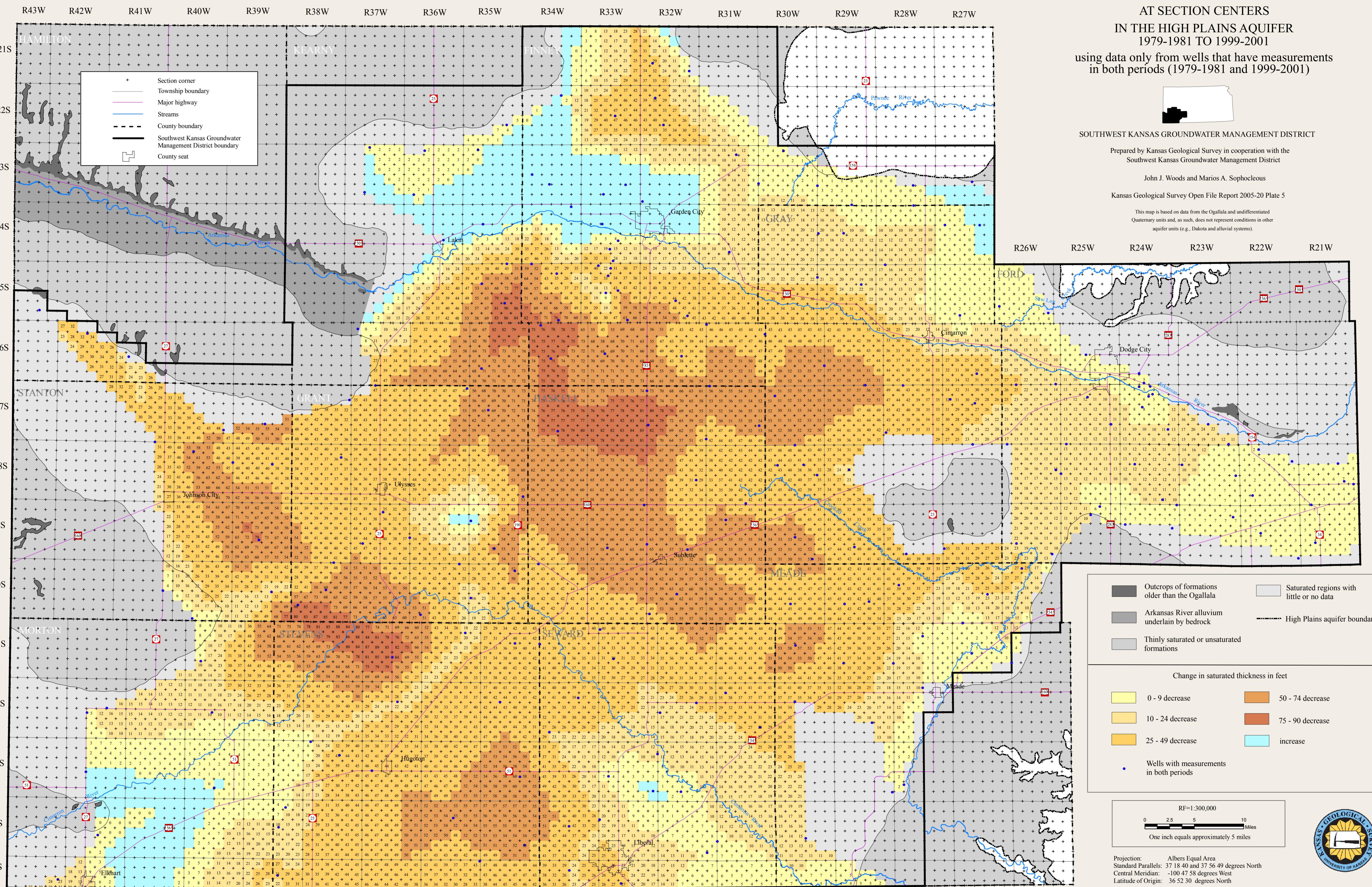


CHANGE IN SATURATED THICKNESS
AT SECTION CENTERS
IN THE HIGH PLAINS AQUIFER
1979-1981 TO 1999-2001
using data only from wells that have measurements
in both periods (1979-1981 and 1999-2001)

SOUTHWEST KANSAS GROUNDWATER MANAGEMENT DISTRICT
Prepared by Kansas Geological Survey in cooperation with the
Southwest Kansas Groundwater Management District
John J. Woods and Marios A. Sophocleous
Kansas Geological Survey Open File Report 2005-20 Plate 5

This map is based on data from the Ogallala and undifferentiated
Quaternary units and, as such, does not represent conditions in other
aquifer units (e.g., Dakota and alluvial systems).



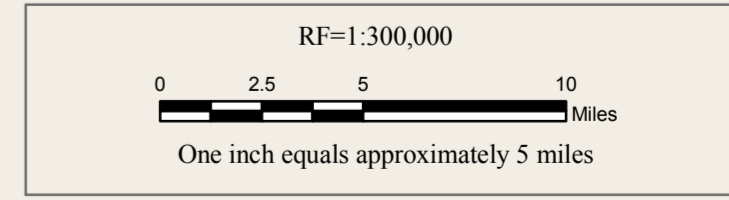
+ Section corner
 --- Township boundary
 --- Major highway
 --- Streams
 --- County boundary
 --- Southwest Kansas Groundwater Management District boundary
 --- County seat

■ Outcrops of formations older than the Ogallala
 ■ Arkansas River alluvium underlain by bedrock
 ■ Thinly saturated or unsaturated formations
 ■ Saturated regions with little or no data
 --- High Plains aquifer boundary

Change in saturated thickness in feet

0 - 9 decrease	50 - 74 decrease
10 - 24 decrease	75 - 90 decrease
25 - 49 decrease	increase

● Wells with measurements in both periods



Projection: Albers Equal Area
Standard Parallels: 37 18 40 and 37 56 49 degrees North
Central Meridian: -100 47 58 degrees West
Latitude of Origin: 36 52 30 degrees North



The Kansas Geological Survey and the Southwest Kansas Groundwater Management District do not guarantee this map to be free from errors or inaccuracies and disclaim any responsibility or liability for interpretations from the map or decisions based thereon.