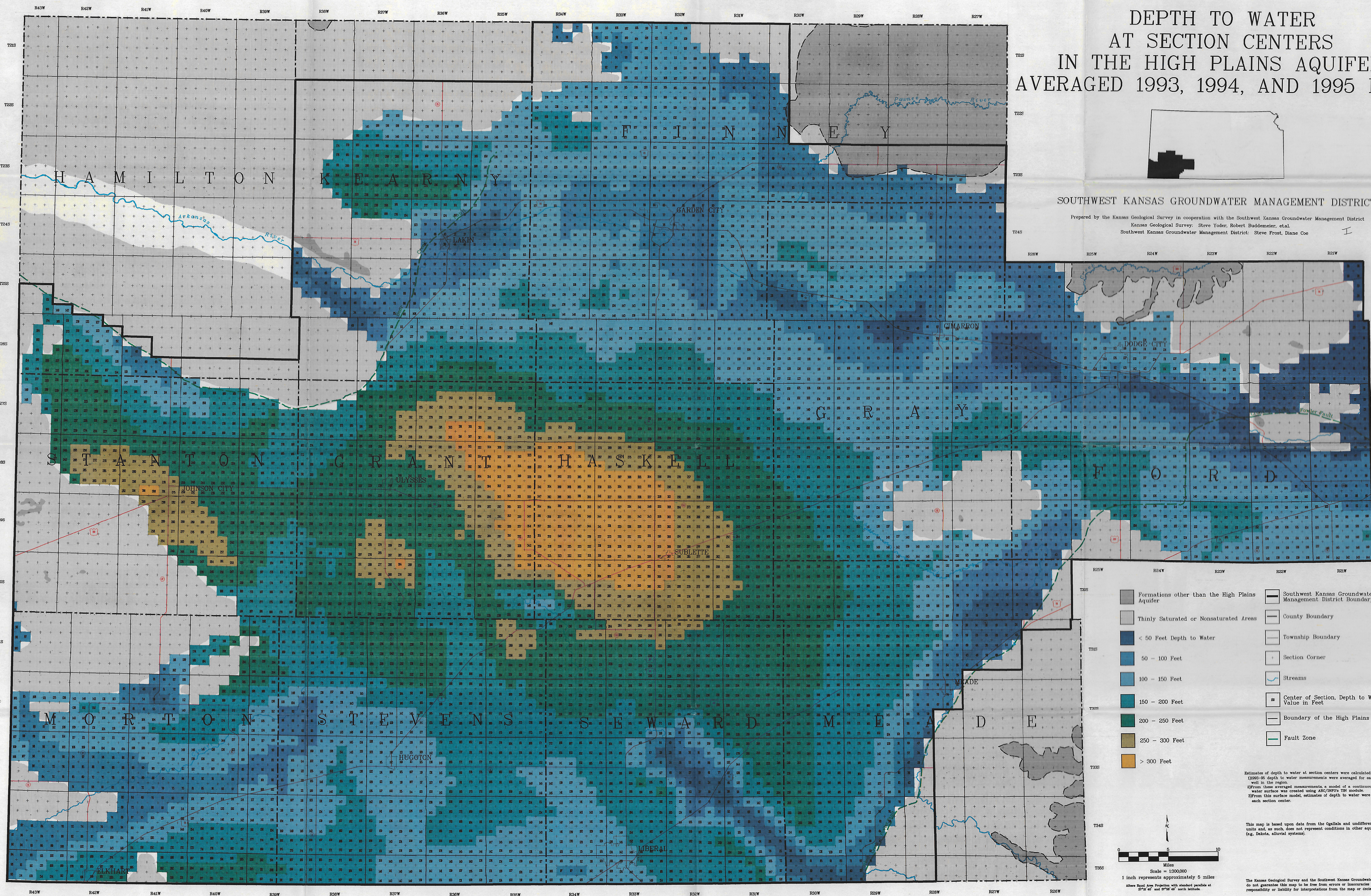


DEPTH TO WATER AT SECTION CENTERS IN THE HIGH PLAINS AQUIFER, AVERAGED 1993, 1994, AND 1995 DATA



SOUTHWEST KANSAS GROUNDWATER MANAGEMENT DISTRICT

Prepared by the Kansas Geological Survey in cooperation with the Southwest Kansas Groundwater Management District
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- Formations other than the High Plains Aquifer
- Thinly Saturated or Non-saturated Areas
- < 50 Feet Depth to Water
- 50 - 100 Feet
- 100 - 150 Feet
- 150 - 200 Feet
- 200 - 250 Feet
- 250 - 300 Feet
- > 300 Feet
- Southwest Kansas Groundwater Management District Boundary
- County Boundary
- Township Boundary
- Section Corner
- Streams
- Center of Section, Depth to Water Value in Feet
- Boundary of the High Plains Aquifer
- Fault Zone

Estimates of depth to water at section centers were calculated as follows:
1) 1993-95 depth to water measurements were averaged for each monitoring well in the region.
2) From these averaged measurements, a model of a continuous depth to water surface was created using ARC/INFO 3.21 model.
3) From this surface model, estimates of depth to water were made at each section center.

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

Scale = 1:500,000
1 inch represents approximately 5 miles
above High Plains Aquifer, with ground surface at 27°N 42° and 27°N 48° north latitude

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.