PERCENT CHANGE IN SATURATED THICKNESS AT SECTION CENTERS IN THE HIGH PLAINS AQUIFER 1989-1991 TO 1999-2001

using data only from wells that have measurements in both periods (1989-1991 and 1999-2001)

SOUTHWEST KANSAS GROUNDWATER MANAGEMENT DISTRICT

Prepared by Kansas Geological Survey in cooperation with the Southwest Kansas Groundwater Management District

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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).

R43W
R42W
R41W
R40W
R39W
R38W
R37W
R36W
R35W
R34W
R33W
R32W
R31W
R30W
R29W
R28W
R27W
R26W
R25W
R24W
R23W
R22W
R21W
T21S
T22S
T23S
T24S
T25S
T26S
T27S
T28S
T29S
T30S
T31S
T32S
T33S
T34S
T35S
HAMILTON
KEARNY
FINNEY
GRAY
FORD
STANTON
GRANT
HASKELL
MORTON
STEVENS
SEWARD
MEADE
Garden City
Lakin
Cimarron
Dodge City
Ulysses
Johnson City
Sublette
Meade
Hugoton
Liberal
Elkhart
N
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
Regions with average 1990 saturated thickness of 50 feet or less
High Plains aquifer boundary
Percent change in saturated thickness
0 - 4 decrease
5 - 12 decrease
13 - 24 decrease
25 - 42 decrease
Areas with increase in saturated thickness

RF=1:300,000

0 2.5 5 10 Miles

One inch equals approximately 5 miles

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