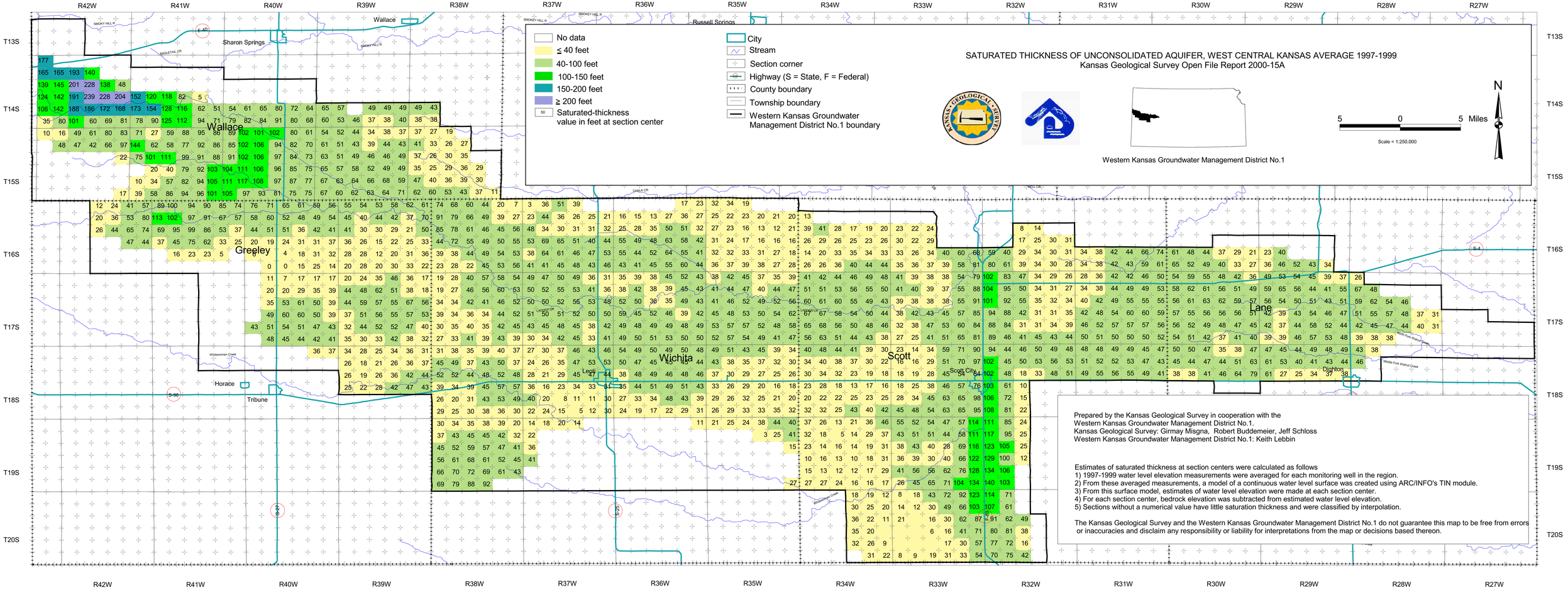
SATURATED THICKNESS OF UNCONSOLIDATED AQUIFER, WEST CENTRAL KANSAS AVERAGE 1997-1999
Kansas Geological Survey Open File Report 2000-15A
No data
≤ 40 feet
40-100 feet
100-150 feet
150-200 feet
≥ 200 feet
50 Saturated-thickness value in feet at section center
City
Stream
Section corner
Highway (S = State, F = Federal)
County boundary
Township boundary
Western Kansas Groundwater Management District No.1 boundary
Western Kansas Groundwater Management District No.1
5 0 5 Miles
Scale = 1:250,000
N
R42W R41W R40W R39W R38W R37W R36W R35W R34W R33W R32W R31W R30W R29W R28W R27W
T13S T14S T15S T16S T17S T18S T19S T20S
Wallace
Greeley
Wichita
Scott
Lane
Sharon Springs
Horace
Tribune
Leoti
Scott City
Dighton
Russell Springs
Prepared by the Kansas Geological Survey in cooperation with the
Western Kansas Groundwater Management District No.1.
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Estimates of saturated thickness at section centers were calculated as follows
1) 1997-1999 water level elevation measurements were averaged for each monitoring well in the region.
2) From these averaged measurements, a model of a continuous water level surface was created using ARC/INFO's TIN module.
3) From this surface model, estimates of water level elevation were made at each section center.
4) For each section center, bedrock elevation was subtracted from estimated water level elevation.
5) Sections without a numerical value have little saturation thickness and were classified by interpolation.
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