

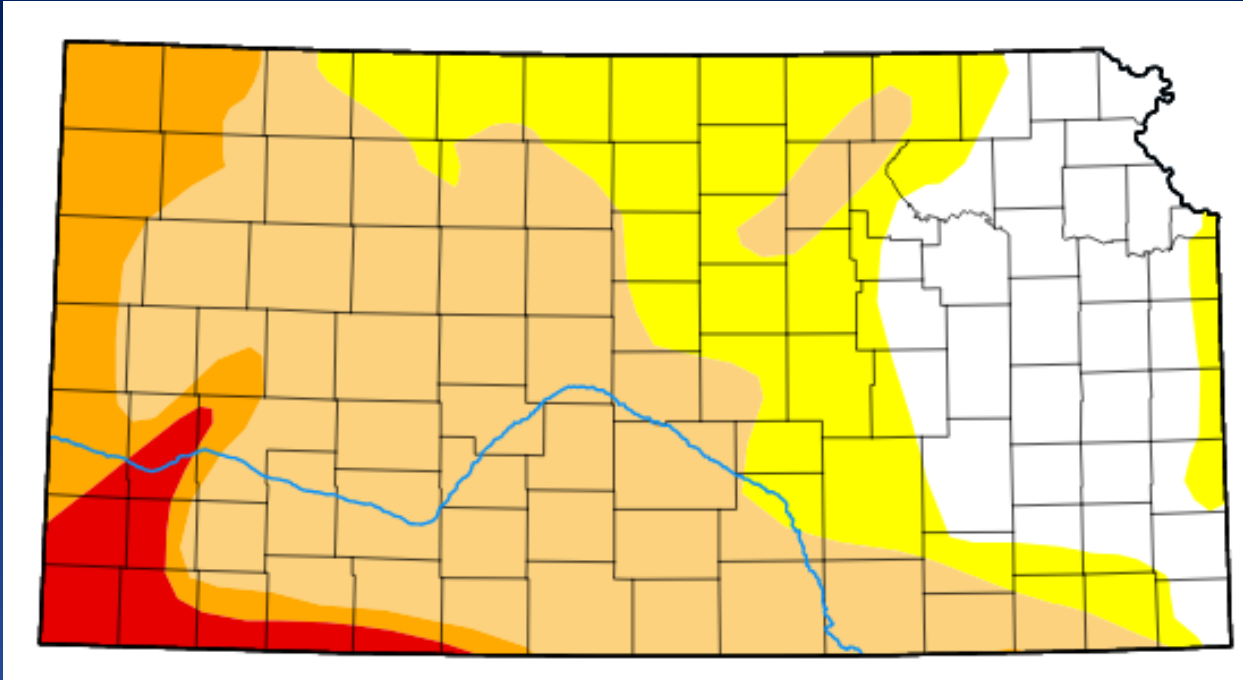
Aquifer Status Update

Upper Arkansas RAC
January 20, 2022



Kansas Geological Survey
University of Kansas

UNL Drought Monitor, 01/13/2021



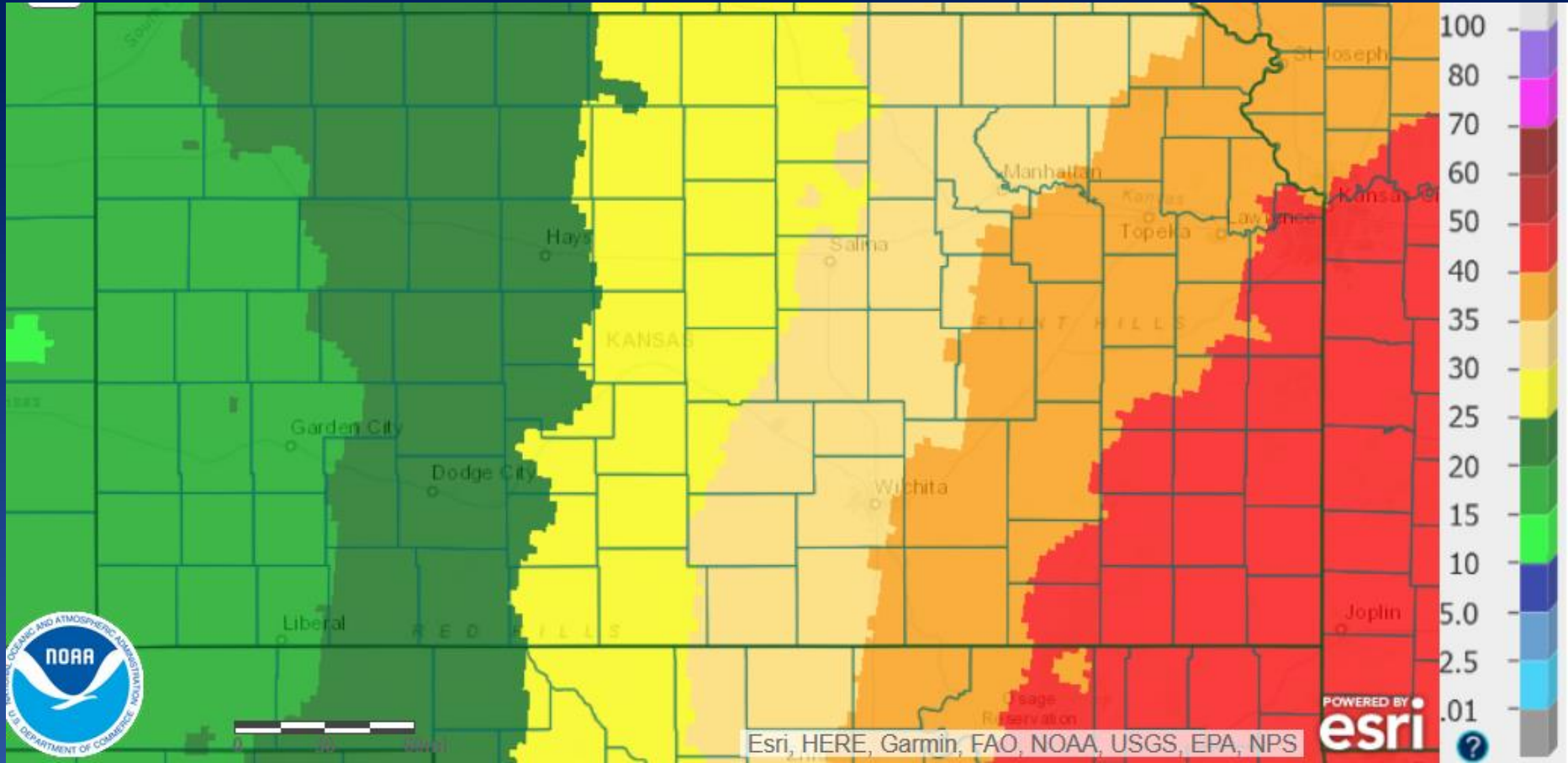
Intensity:

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

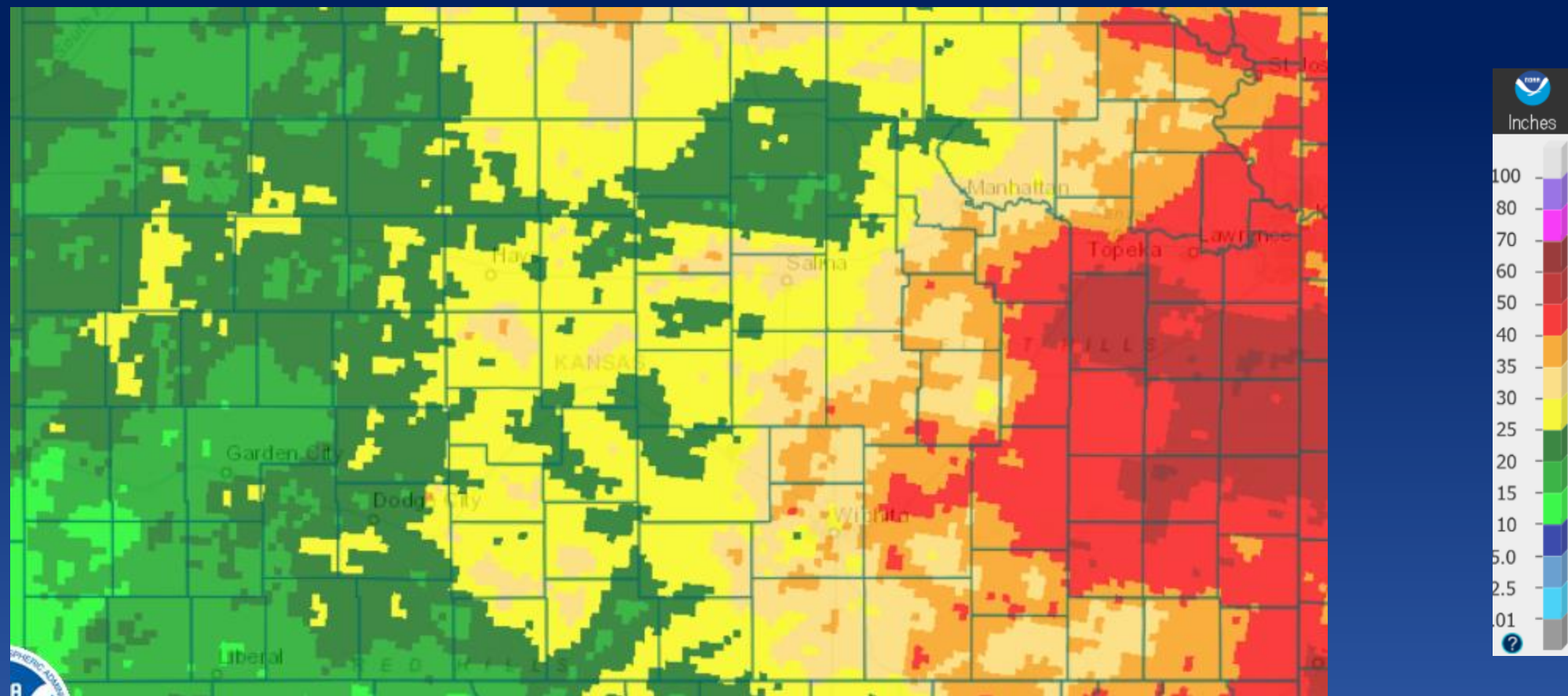
Author(s):

Richard Tinker, NOAA/NWS/NCEP/CPC

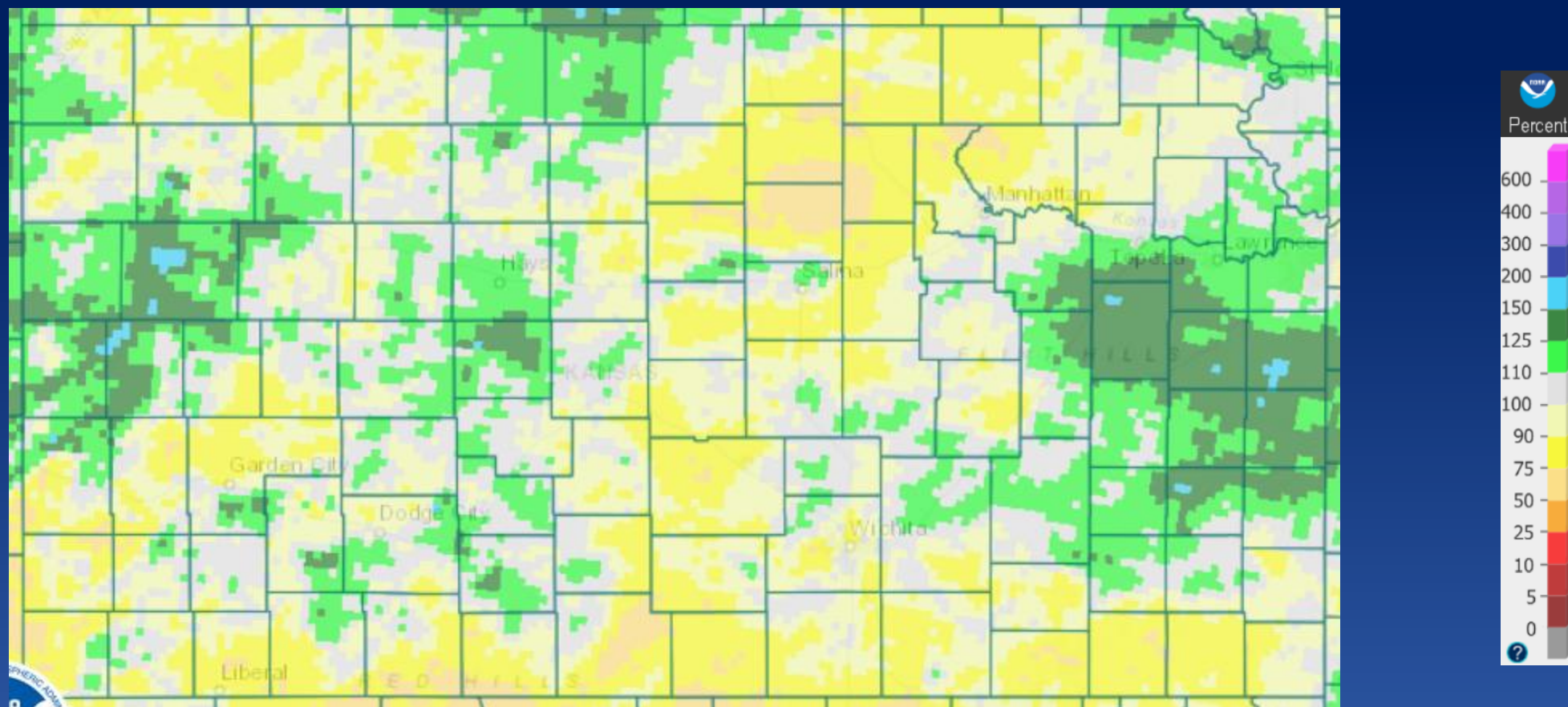
1991 to 2020 Normal Precipitation

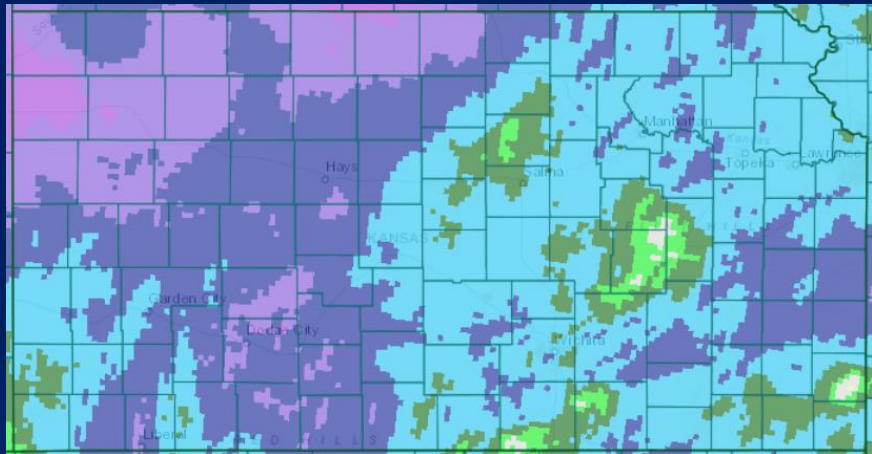


2021 Total Precipitation

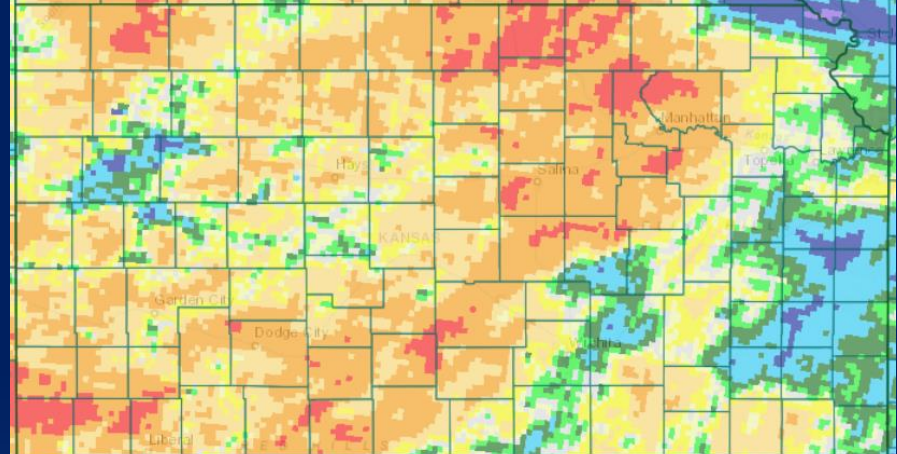


Percent Departure from Normal Precipitation

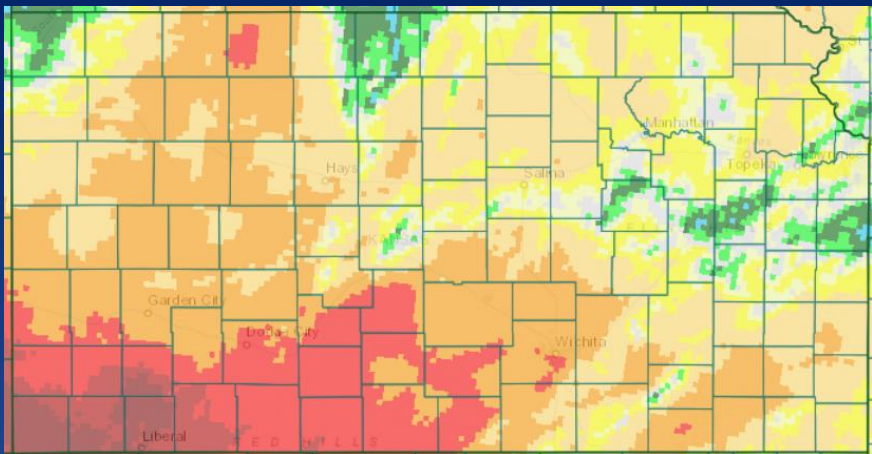




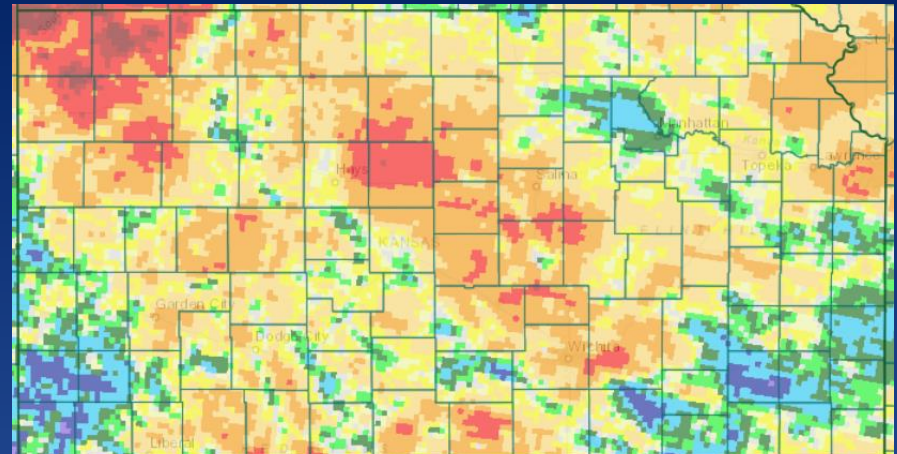
March



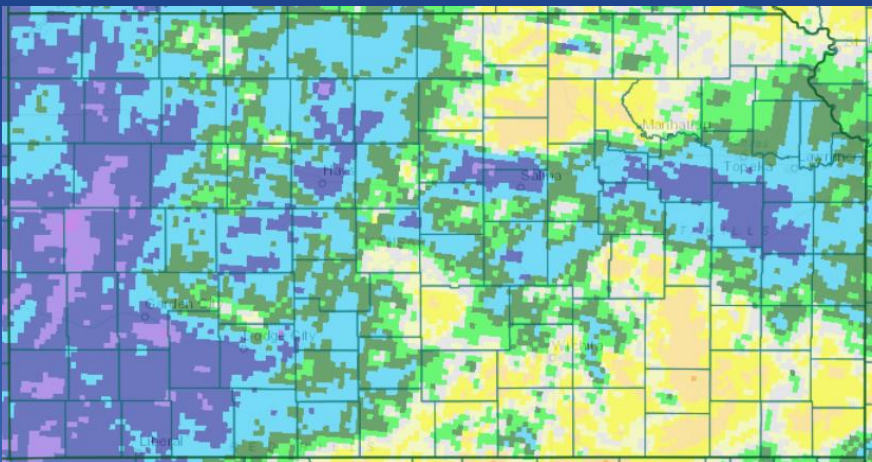
June



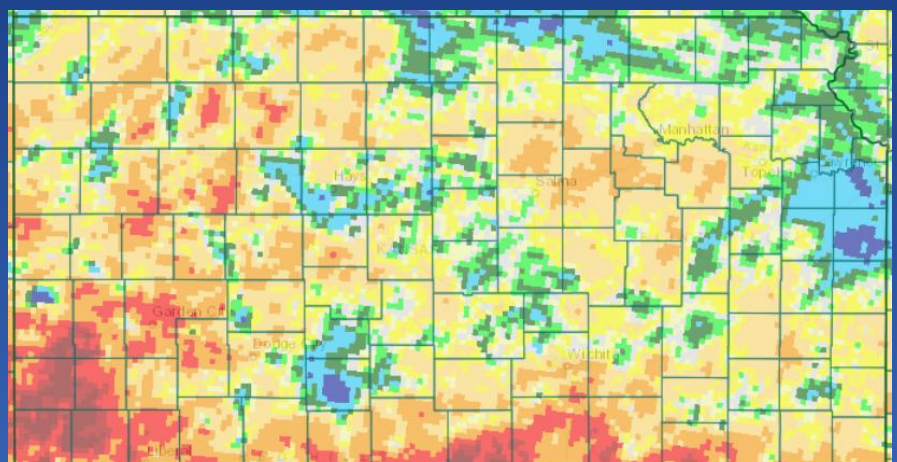
April



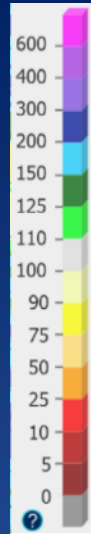
July

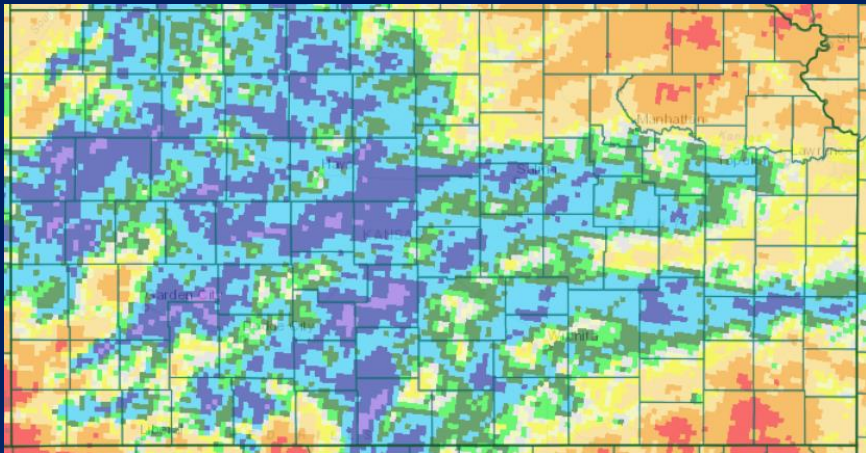


May



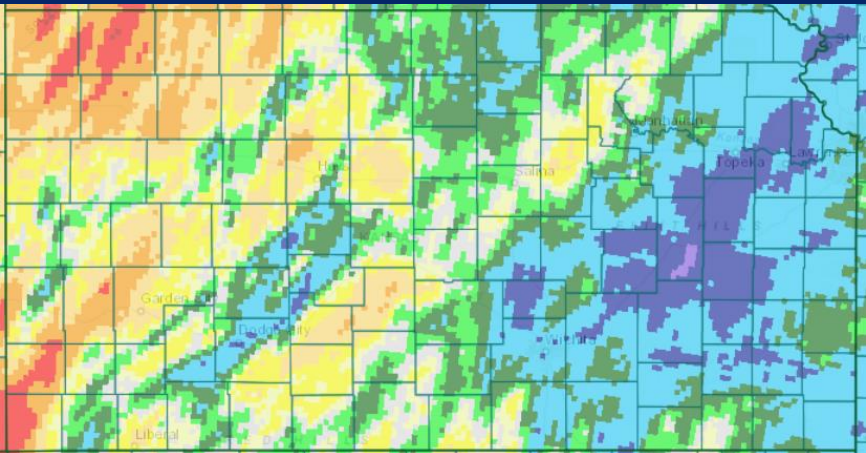
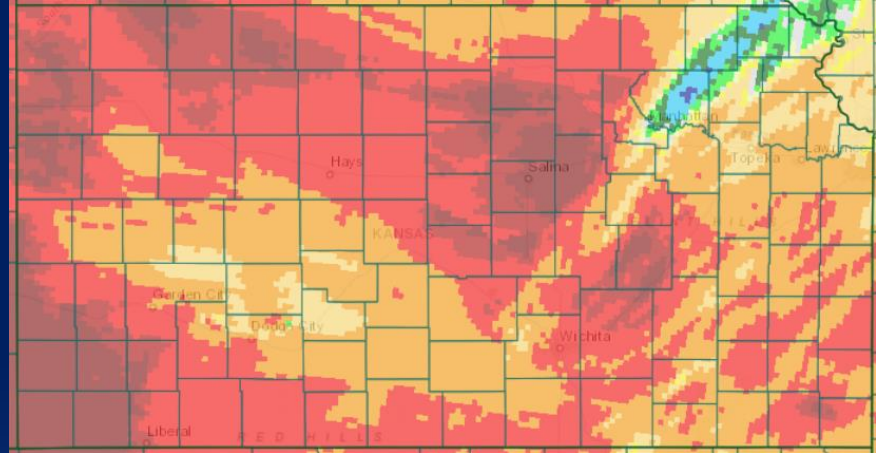
August





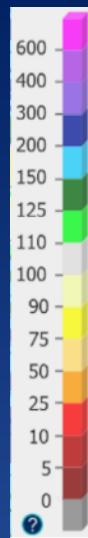
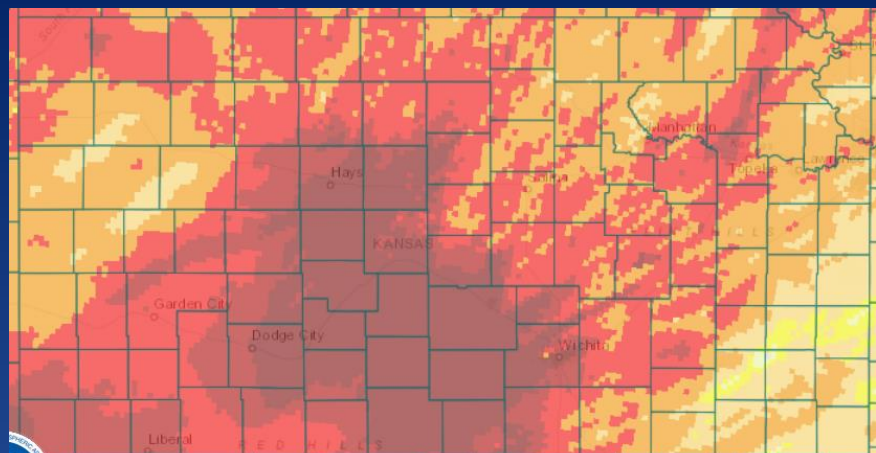
September

November

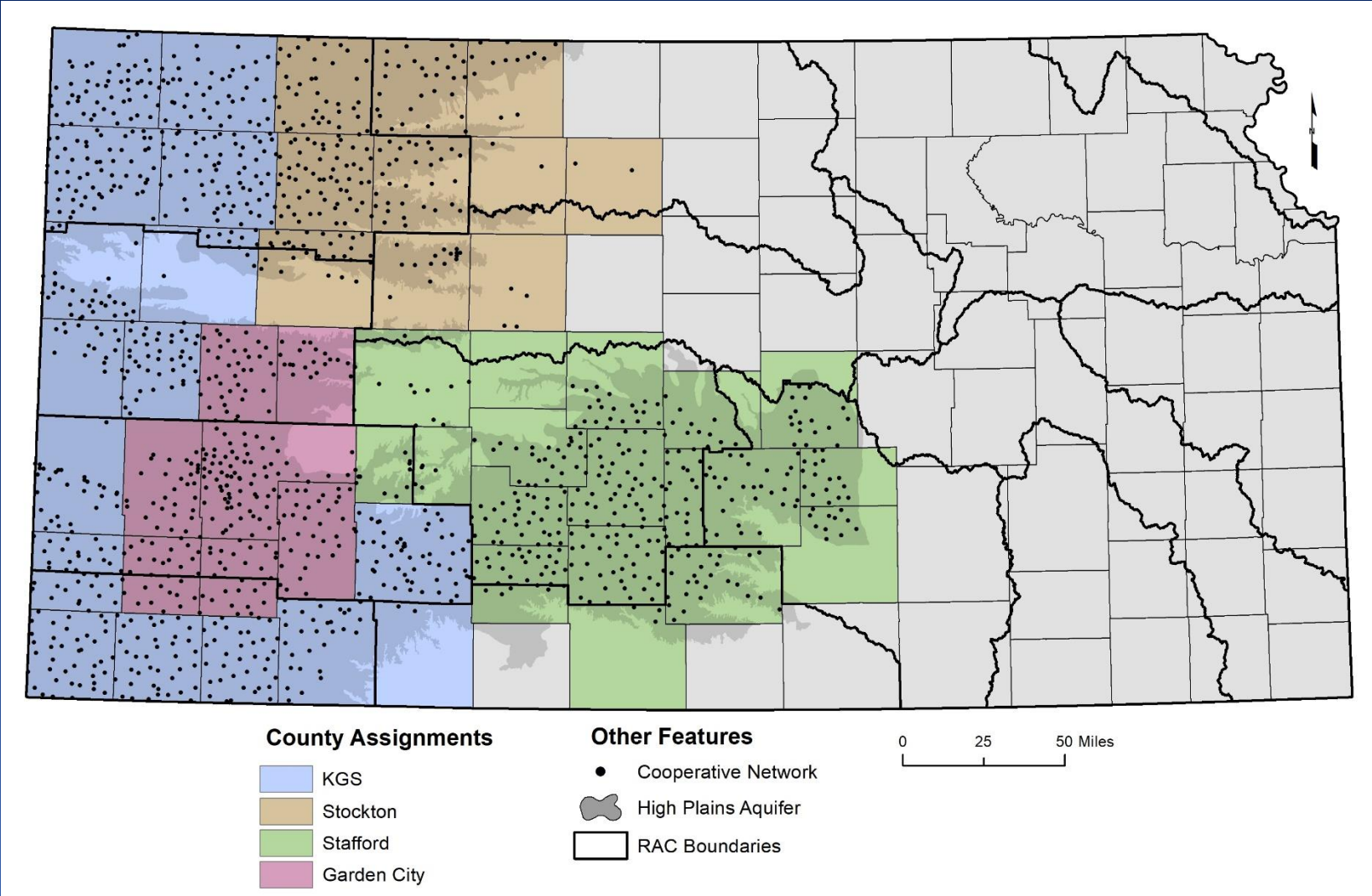


October

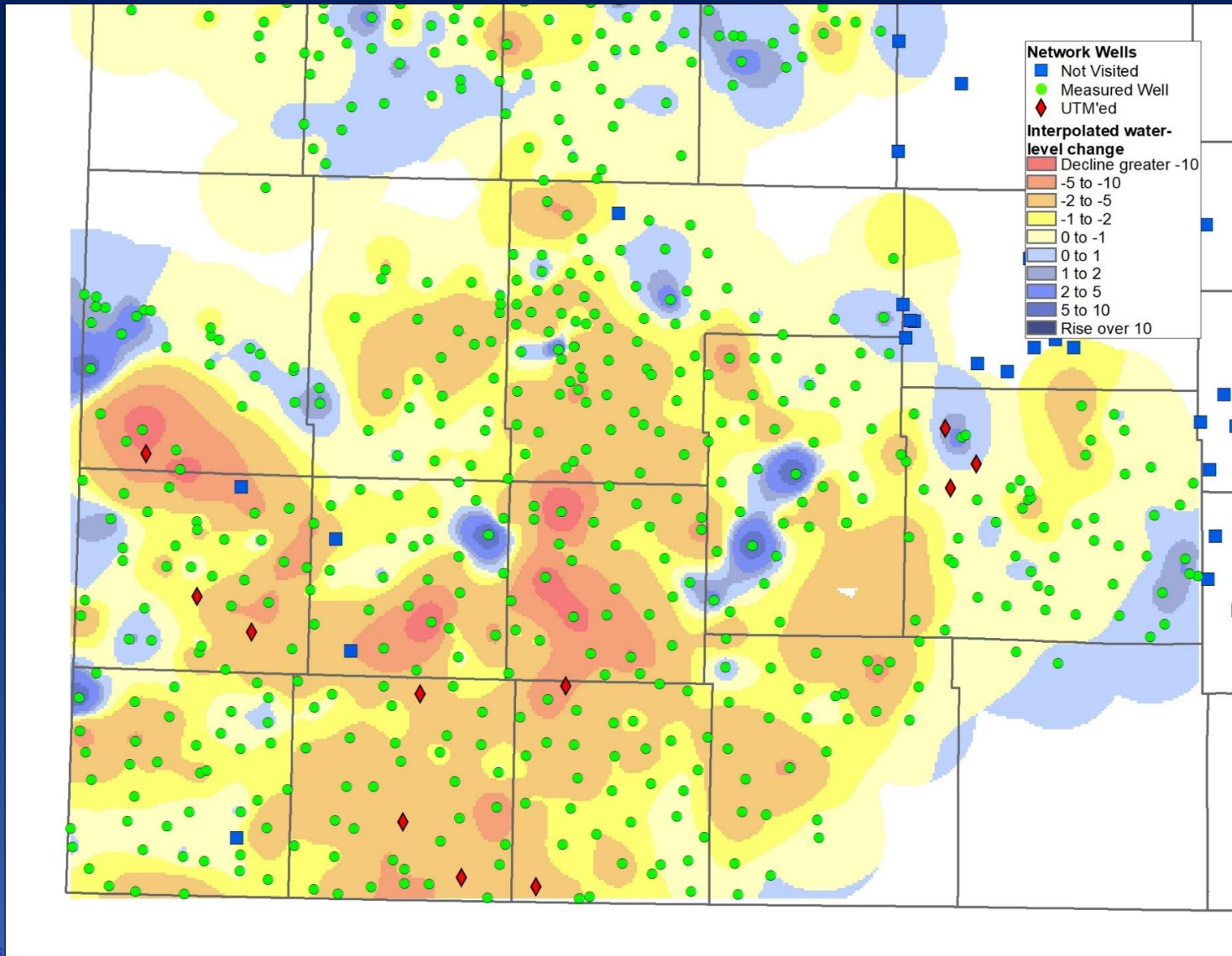
December



2022 Cooperative Water Level Program

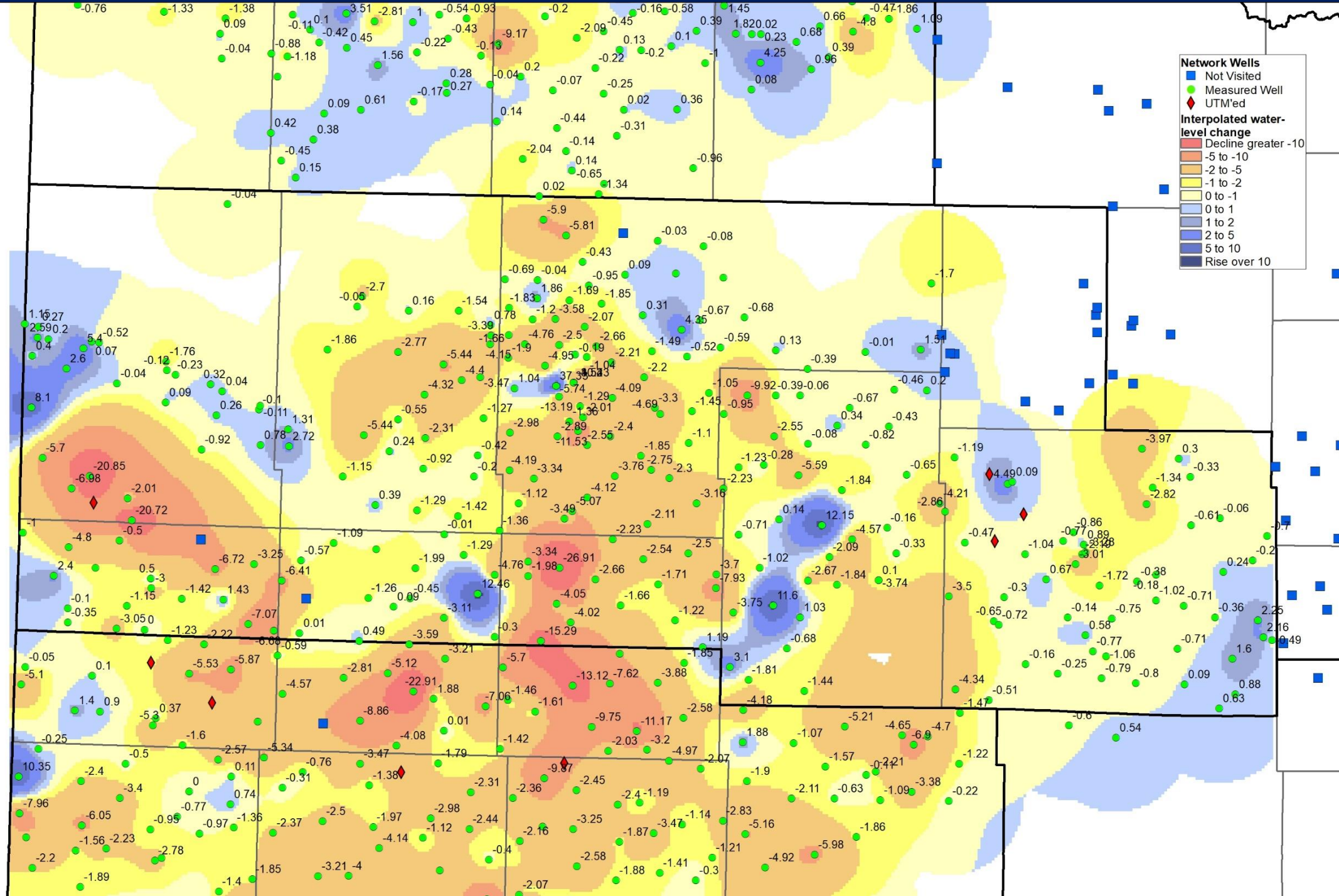


Average Change (by Well)

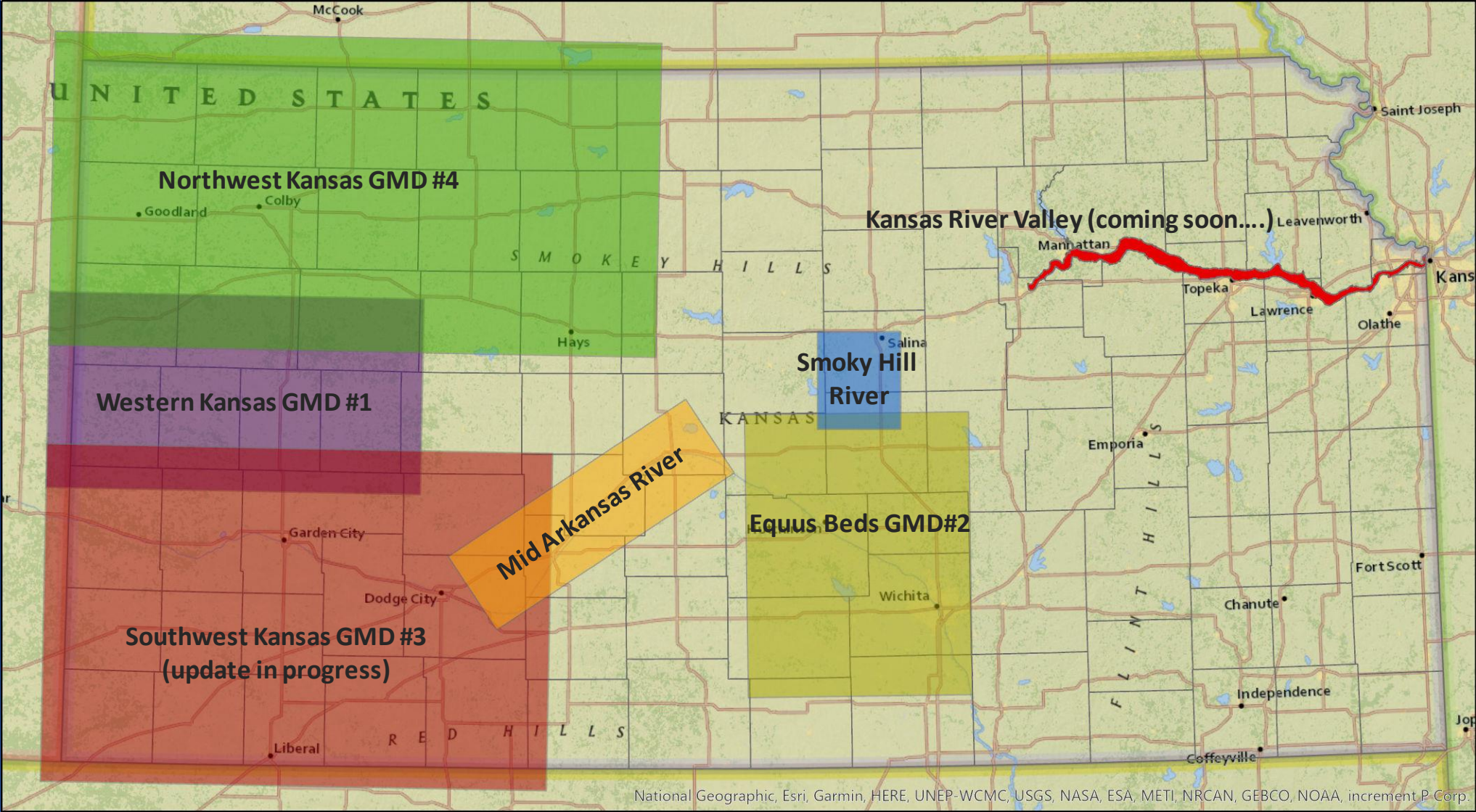


Upper Arkansas RAC

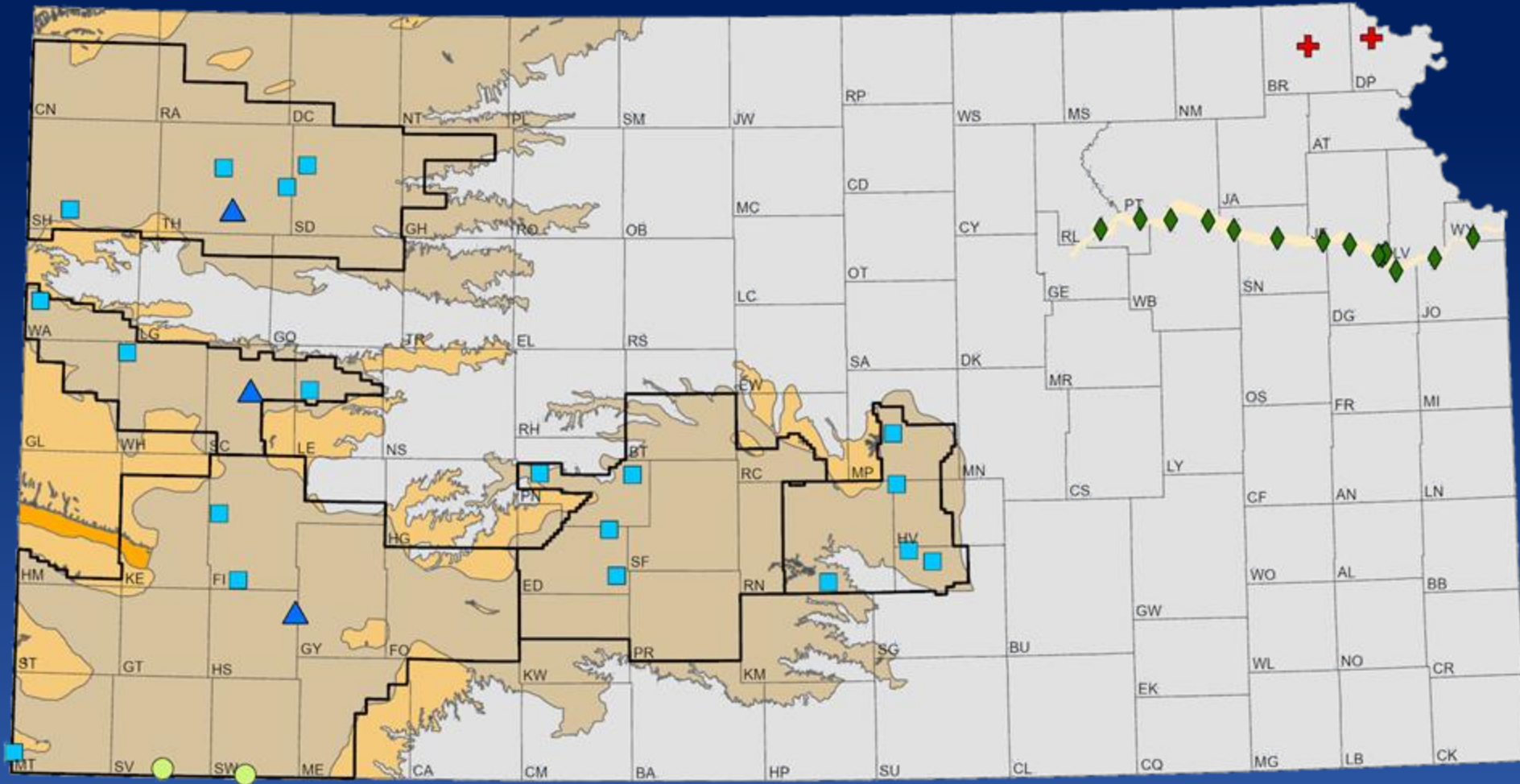
- 268 of 287 wells measured
- Average 2021 to 2022 water level change = -1.63 ft



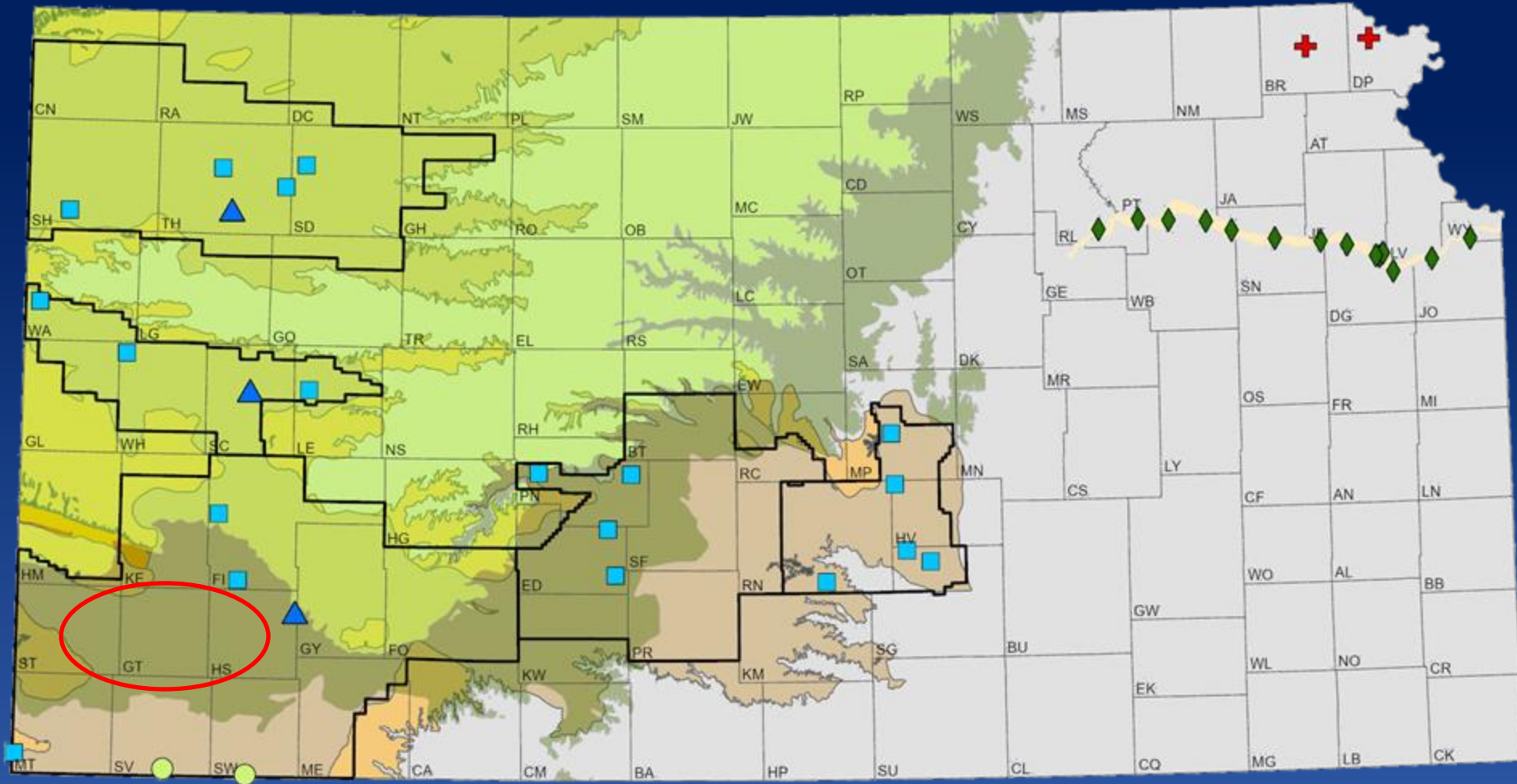
Past and current KGS modeling activities in Kansas



Kansas Index Well Program

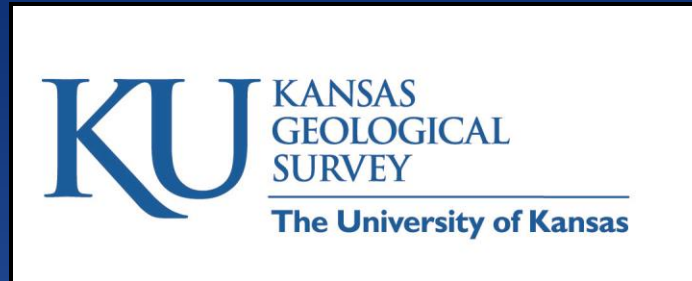


Kansas Index Well Program- Ogallala/Dakota Well Nests



Questions????

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Lawrence, KS 66047
785-864-2118**



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<http://www.kgs.ku.edu>