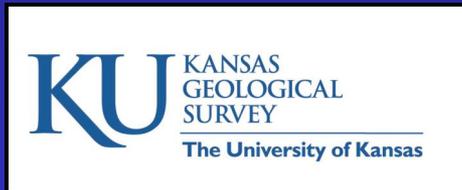


Proposed NGWMN Activities in Kansas

ACWI SOGW Meeting
October 28, 2015



Brownie Wilson
Geohydrology Section
Kansas Geological Survey
University of Kansas

The Kansas Geological Survey



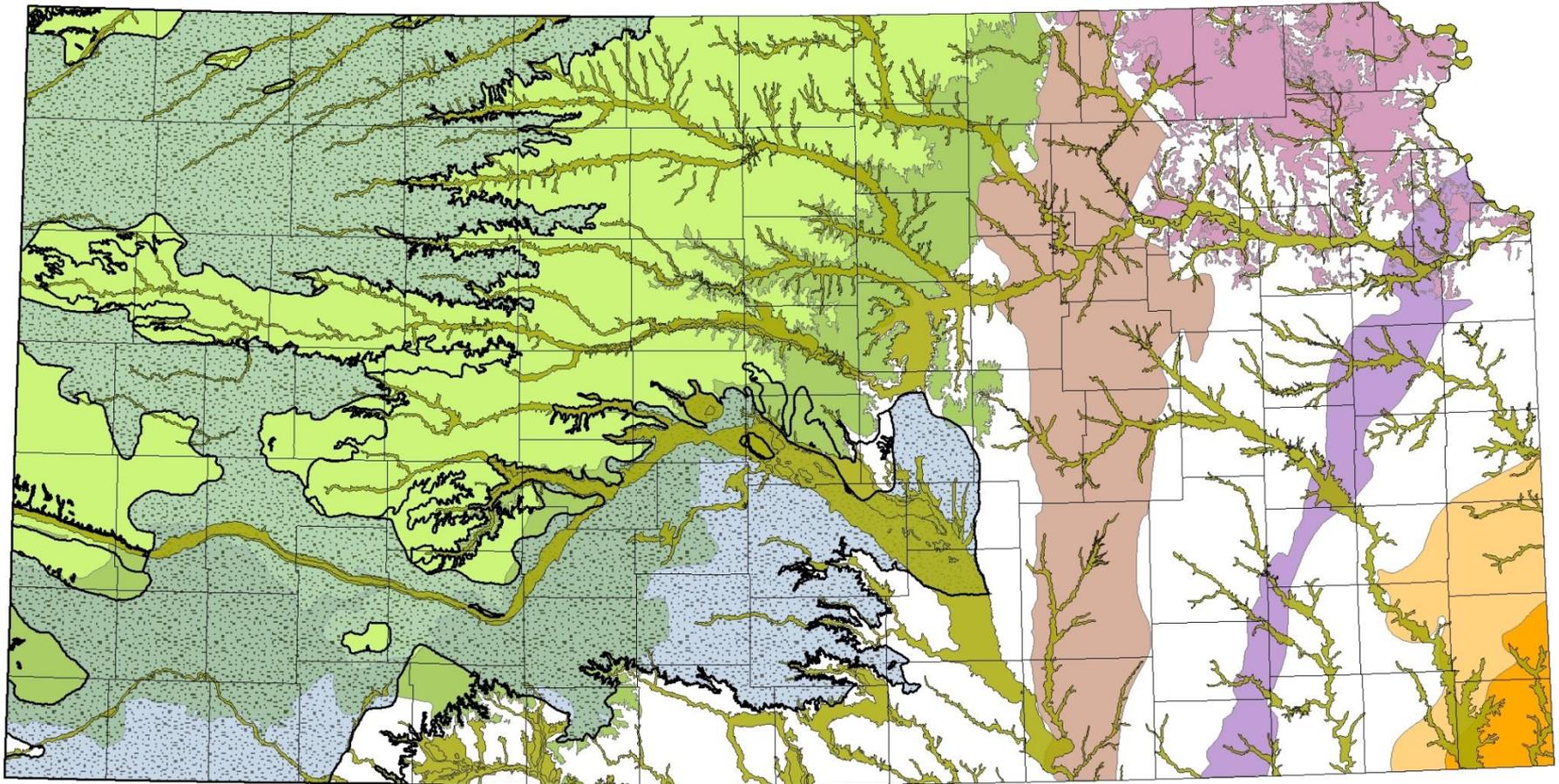
State agency



Research institution under the University of Kansas

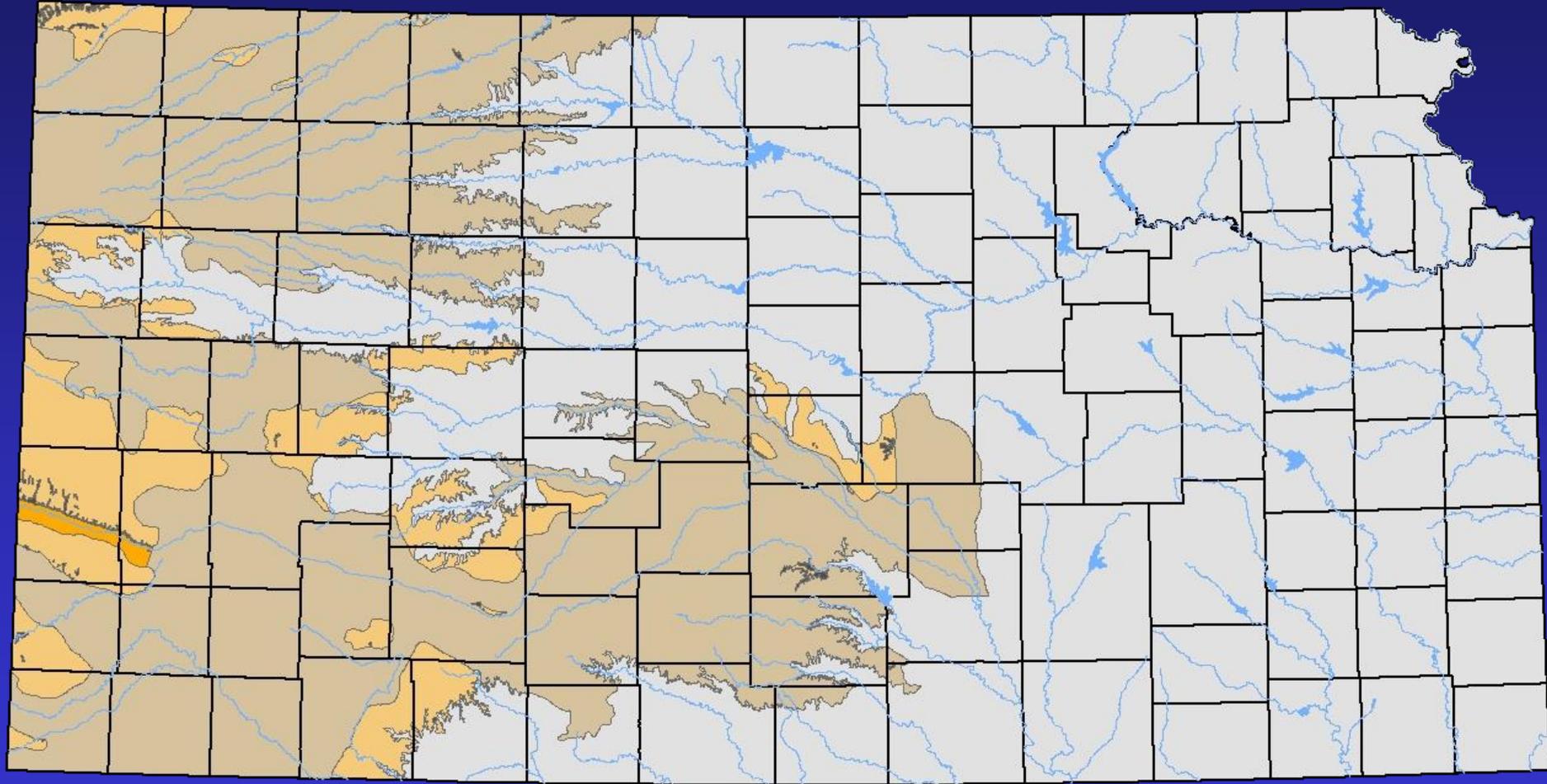
- **Supports major projects focused towards data management and distribution**
- **Oil/gas, water, and GIS databases**
- **In-house IT supporting Oracle, ESRI, and web software**

Major and Minor Aquifers in Kansas

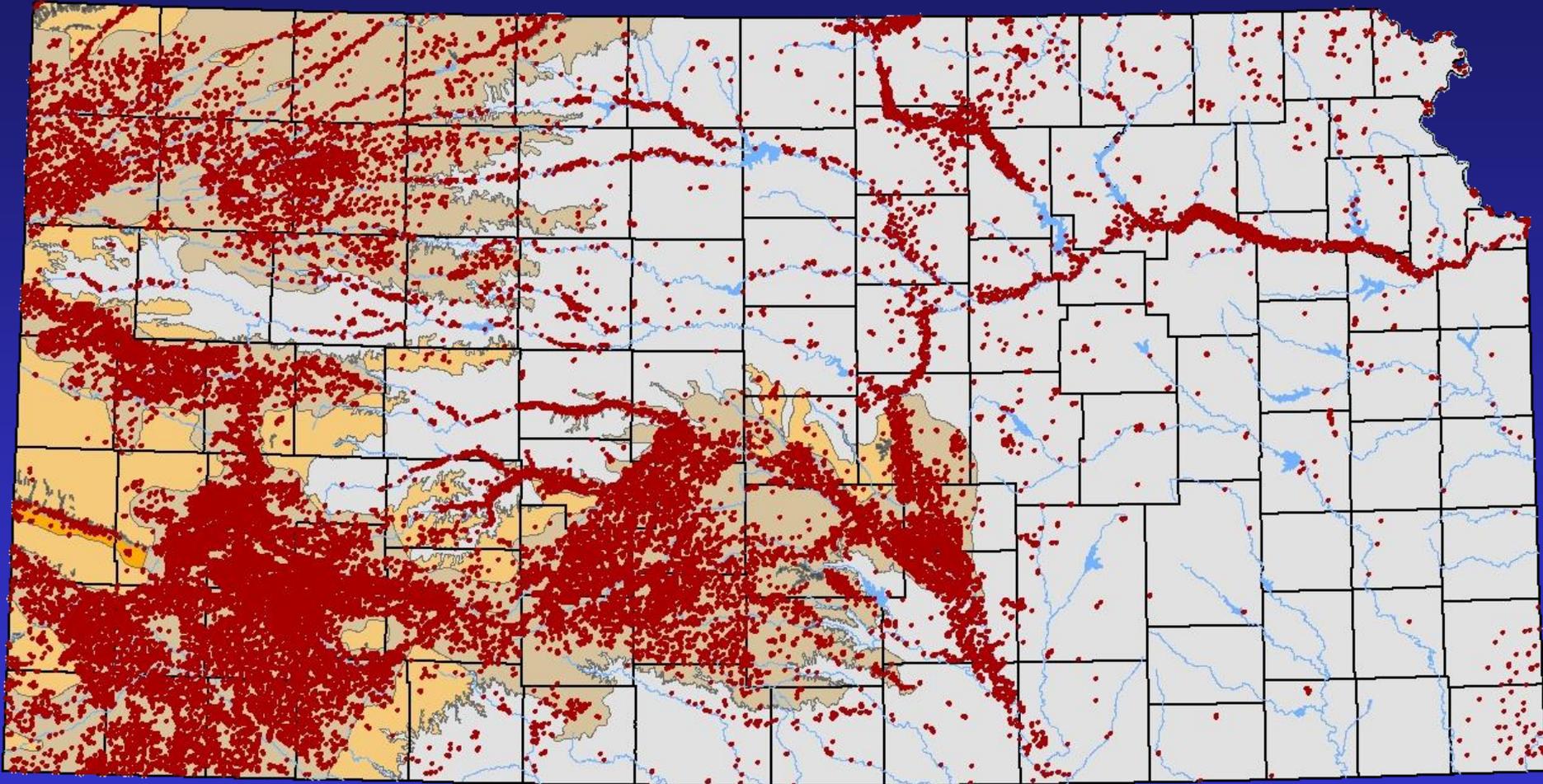


- | | | |
|--|---|---|
|  High Plains Aquifer (Saturated Extent) |  Flint Hills Aquifer |  Alluvial Aquifers |
|  Dakota Aquifer (Unconfined) |  Glacial Drift Aquifers |  Ozark Aquifer |
|  Dakota Aquifer (Confined) |  Osage Aquifer | |

The High Plains Aquifer in Kansas

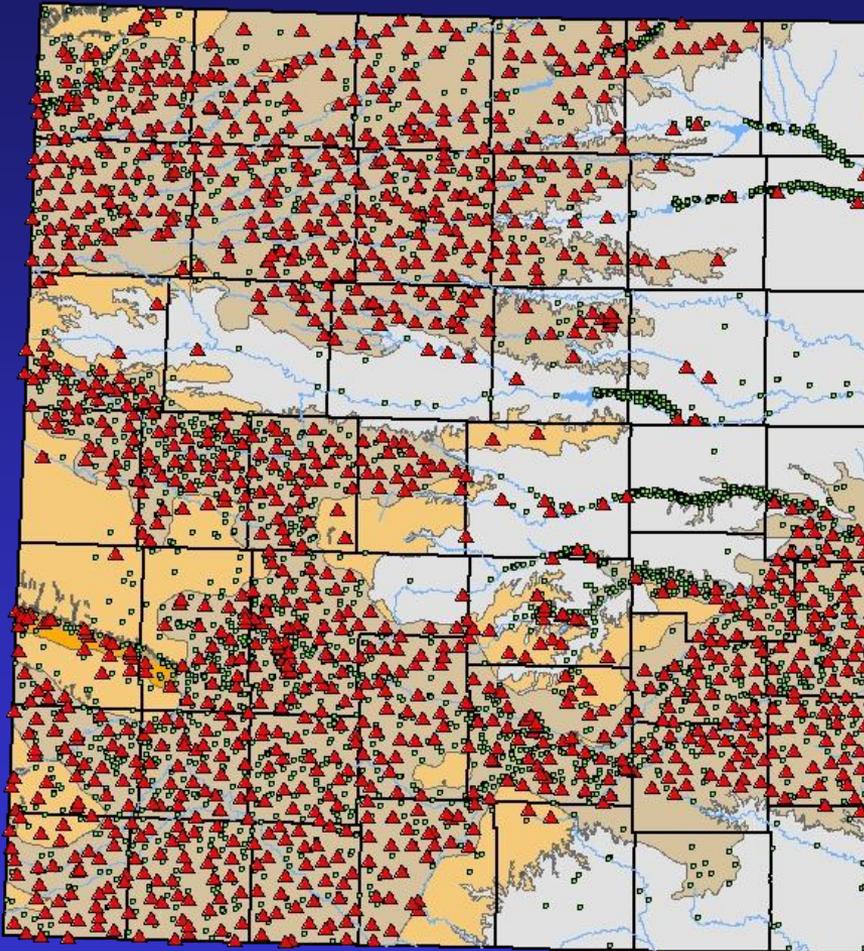


Groundwater-based Water Right Wells



In 2014, over 90% of the groundwater reported used in Kansas (3.6 million acre-feet) was from the High Plains aquifer region.

Cooperative Water-Level Program

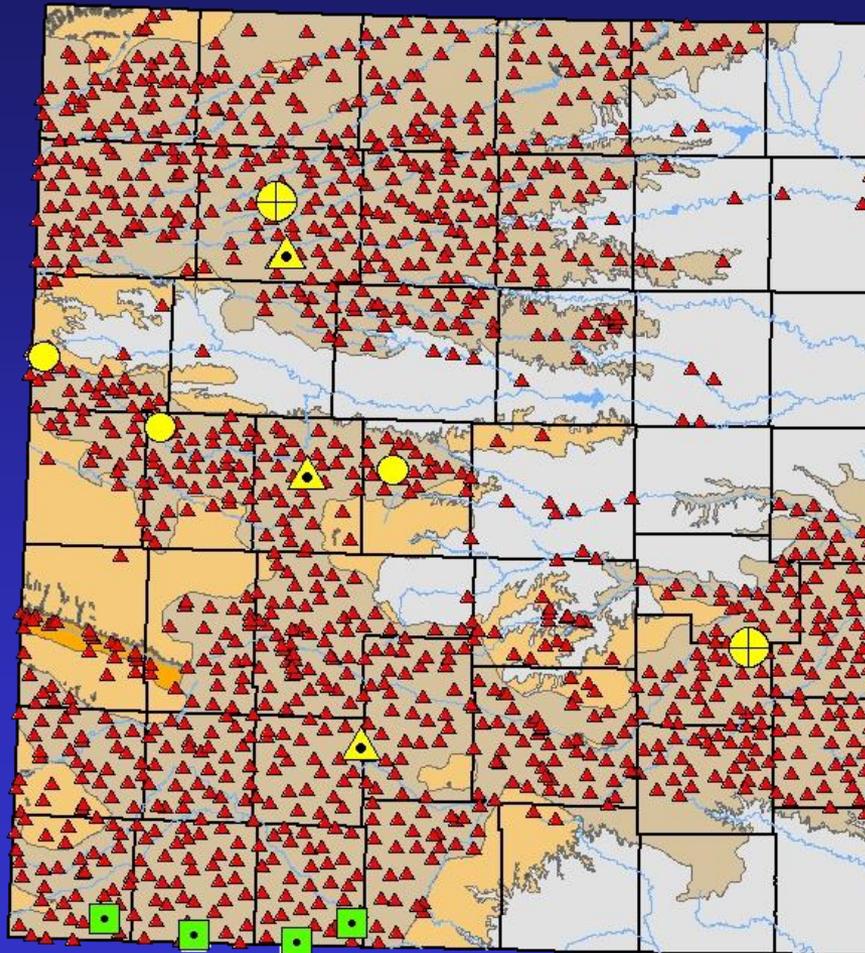


Cooperative Water-Level Network

- ~1,400 wells
- Most are production (Irrigation) wells
- Typically measured annually in the winter
- Stored Water Information Storage and Retrieval Database (WIZARD)
 - Largest repository of depth-to-water measurements
 - Evolved from GWSI



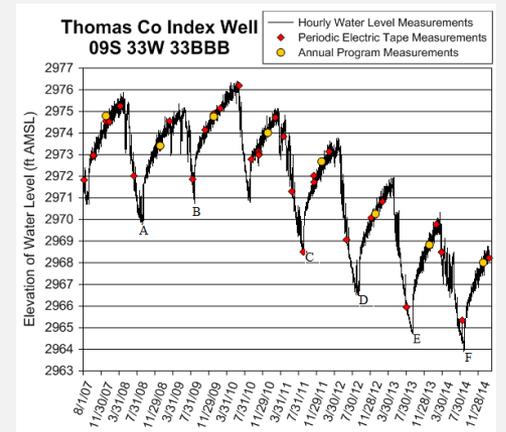
Index Well Program- Continuous Water-Level Monitoring



Index Well Program

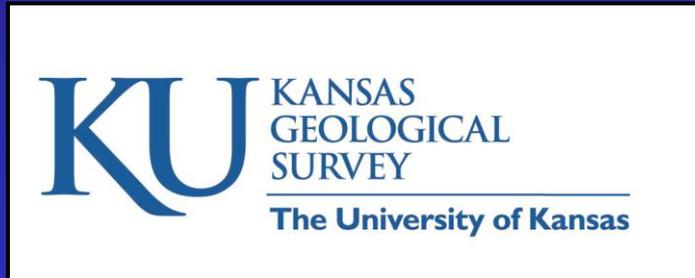
- Continuously measured wells
- Data served in real-time

- Index Wells, 2007
- △ Telemetry installed 2015
- (New well candidates 2015/2016
- / Existing USGS Cooperative Wells



Questions????

**Kansas Geological Survey
1930 Constant Ave
Lawrence, KS 66047
785-864-2118**



Visit our site at
<http://www.kgs.ku.edu>