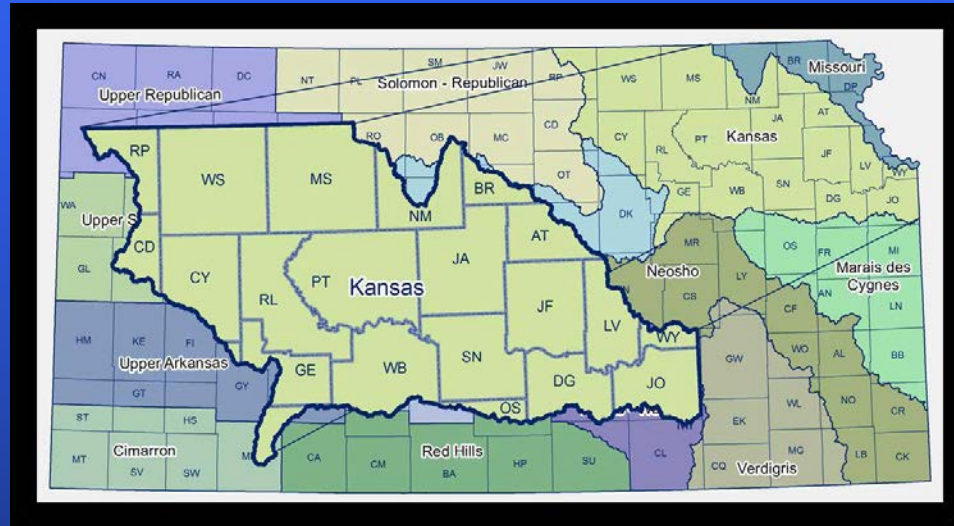


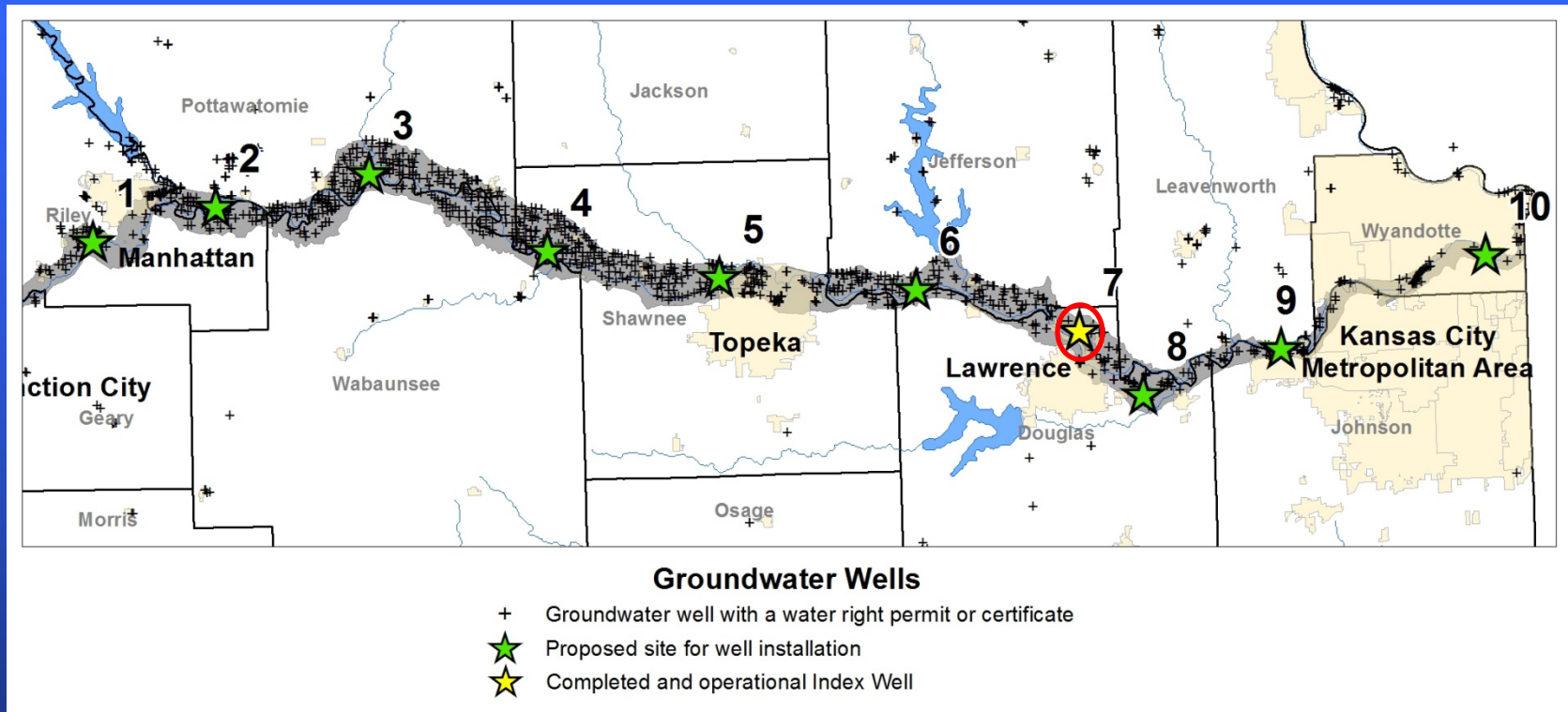
Update on the Kansas River Alluvium Project



Jim Butler
Kansas Geological Survey
University of Kansas

Kansas Regional Advisory Committee Meeting – Topeka
January 18, 2018

Kansas River Index Well Network – first 10 wells



Current Status for Index Well Network:

1. We have identified 10 prospective sites for well installation.
2. Currently contacting land owners.
3. One well has been installed and is operating in a trial period with real-time access.
4. We anticipate remaining nine wells will be installed by June.
5. Webpage for network will be in place by late April.

Lawrence Airport Index Well

Telemetry system,
batteries, and solar
cells.

2" PVC well with
steel wellhead
protector

Well Details

Depth = 66.5 ft.

- near bottom of alluvial aquifer

Screened interval = 46.5-66.5 ft.

Monitoring frequency = 1 hr.

Geology

0-30 ft. – silts and clays

30-67.5 ft. – sands and gravels



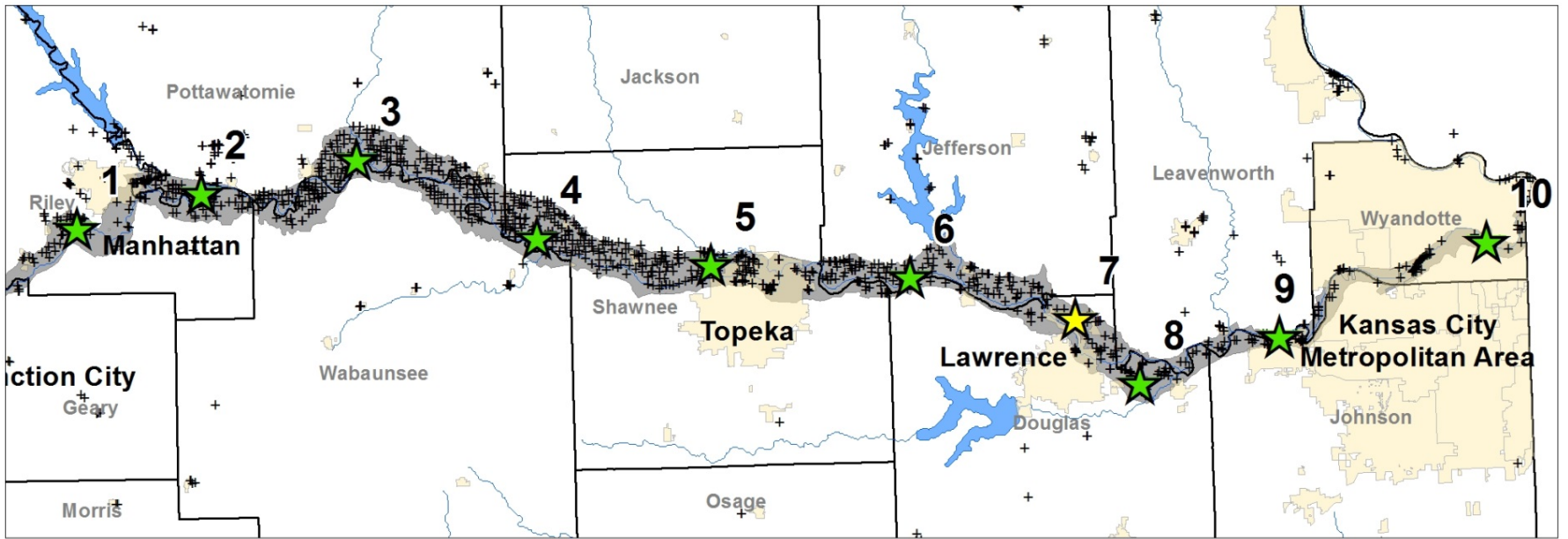
Previous USGS
monitoring well



Kansas River Alluvium Project – KGS

Tasks and Timelines:

1. Development of index well network
 - first ten wells by mid-year
 - assess data
 - five or six more wells in 2019
2. Construction of groundwater model
 - start work in 2019
 - complete in 2021



Groundwater Wells

- + Groundwater well with a water right permit or certificate
- ★ Proposed site for well installation
- ★ Completed and operational Index Well

Questions?

