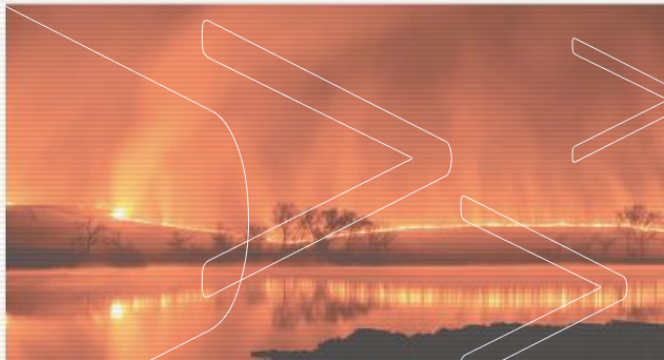


Mini Concurrent Sessions

▶ **Groundwater
Quality**



***Governor's Conference on the
Future of Water in Kansas***

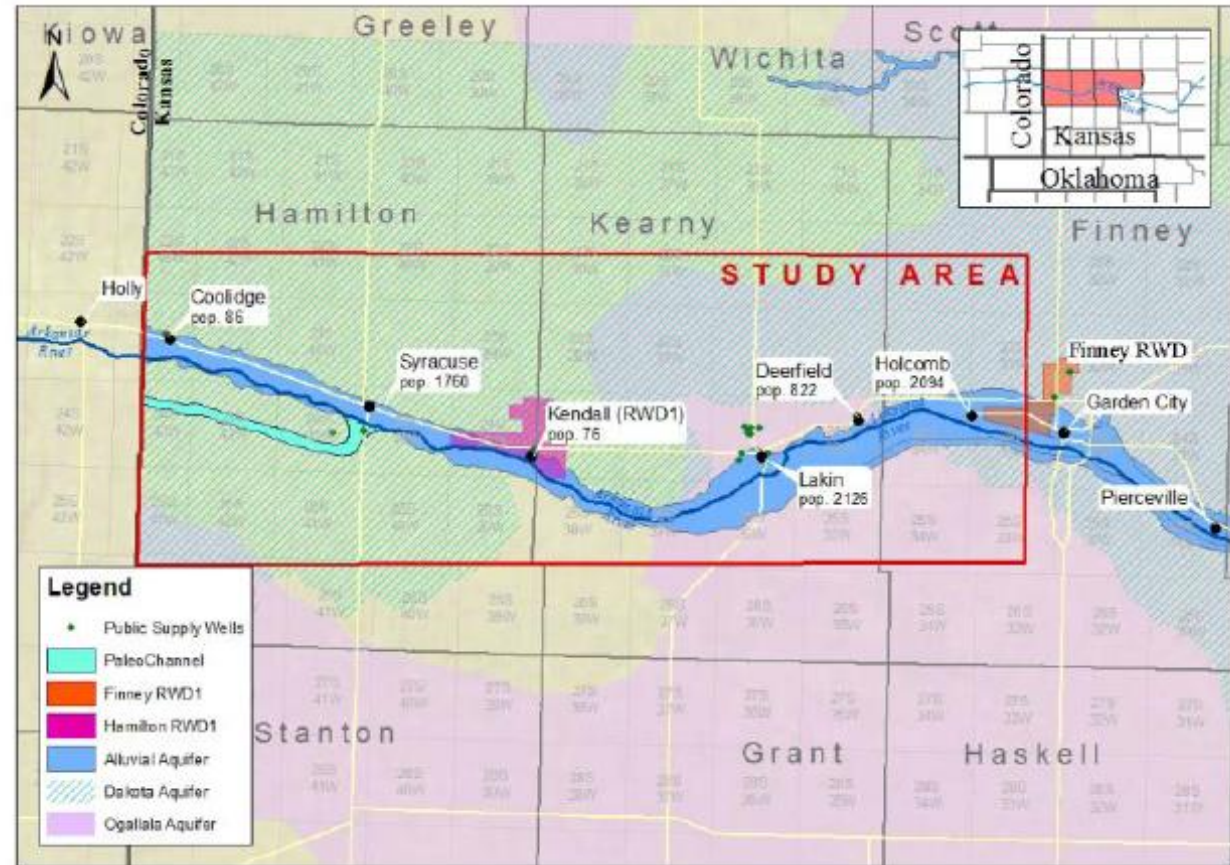


Radionuclide Issues in the Arkansas River Basin

- 2000: EPA publishes the Radionuclides Final Rule
 - Beta/photon emitters
 - Gross Alpha
 - Combined Radium 226/228
 - Uranium
- 2003: PWS begin initial monitoring for radionuclide
- Initial estimates indicate 795 systems require treatment.
- City of Lakin receives notice of violation of rule in 2007
- KGS receives EPA grant to study Arkansas River quality
- Bureau of Reclamation funds GMD3 study of PWS Alternatives



Radionuclide Issues in the Arkansas River Basin



Kansas - Hamilton, Kearny, & Finney Counties
Figure ES-1. Cities and groundwater resources in the Study Area.

Radionuclide Issues in the Arkansas River Basin

- Impacts to PWS
 - Water losses due to treatment (15-20%)
 - Major capital costs to the PWS
 - Increased O&M costs = Increased water cost
 - Waste disposal issues
 - Need for highly qualified operators in small communities
 - Potential for regional PWS alternatives to provide safe drinking water.



Radionuclide Issues in the Arkansas River Basin

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