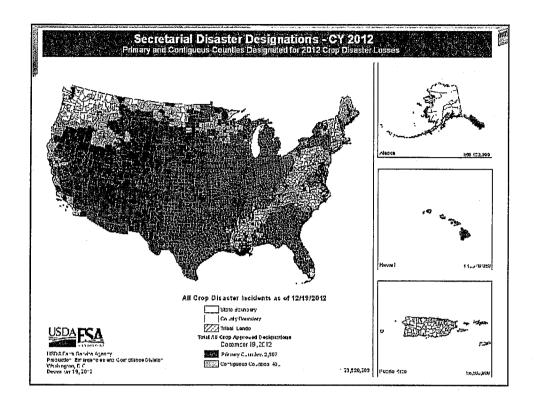
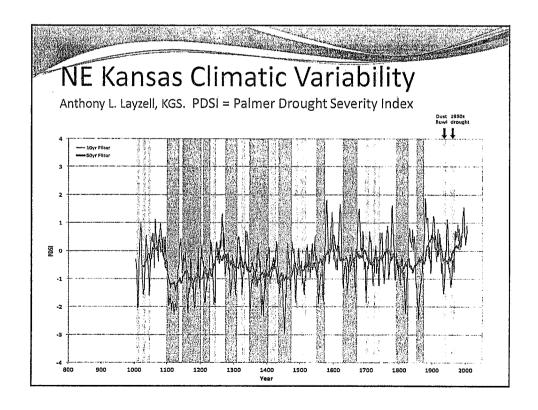


SEN.NATURAL RESOURCES

Date <u>2/5//,3</u> Attachment # <u>2~/</u>





# The long term Missouri River water supply for Kansas is at risk.



DWR Well locations

- Largest Kansas renewable surface water supply routinely passed downstream
- In relative terms, almost no appropriations have been requested and granted under Kansas Law
- Compact proceedings with other states could occur without warning, setting Kansas portion near zero.

# Kansas Big Blue Compact allocation also sent to downstream states



- Big Blue basin is a key Kansas renewable water supply
- Big Blue Compact is federal Public Law 92-308 established in 1972
- 5.3 Kansas apportionment "...Kansas shall have free and unrestricted use of all waters of the Big Blue river basin flowing into Kansas..."
- In 2012 during severe drought: Part of Kansas Big Blue compact allocation in Tuttle Creek Reservoir was released by US Army Corps of Engineers for use in other states with no Kansas recourse or compensation.

#### The Business of Water

- It is commonly said, the problem of water is not one of physical shortage but, rather, one of governance.
- Governance is matching demand with supply, of ensuring that there is water at the right location, and the right time of year, and at a cost that people can afford and are willing to pay for.

# Kansas Water Agencies with Water Governance Responsibilities

- Kansas Water Office/Water Authority
  - Kansas Water Plan and Surface Water Assurance.
- Department of Agriculture : Water Rights and Allocations
- Department of Health and Environment: Clean Water
- Groundwater Management Districts (GMDs)
- Water Distribution Districts:
  - Rural Water Supply Districts
  - Irrigation Districts
  - Public Wholesale Water Supply Districts (PWWSD)

A special state agency or public district (like a PWWSD) may be good for an Aqueduct project

# Kansas Water Appropriation Act

- Water in the state is dedicated to the use of the people of the state
- Surface water and groundwater can be appropriated for beneficial use, without waste or impairment to existing water rights
- Kansas is a "first in time, first in right" state
  - Date determines priority, not type of use
- Projects are proposed by filing an application for priority
  - subsequent approval may occur after all information needed for final review is provided.

#### The Business of Interstate Water

Only three ways to allocate interstate waters among states:

- States establish a compact agreement,
  - which is then ratified by congress
- Supreme Court equitably apportions the waters
  - · Usually after requiring effort for compact agreement
- Congress Acts to apportion the waters

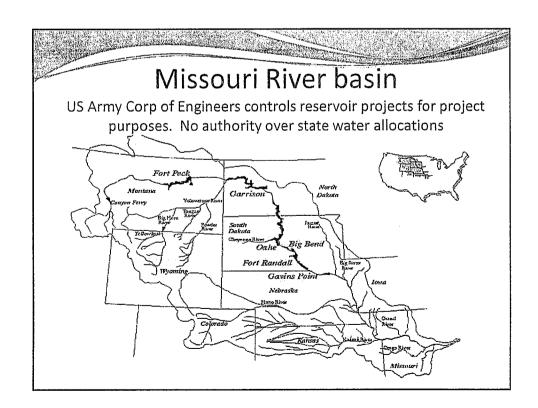


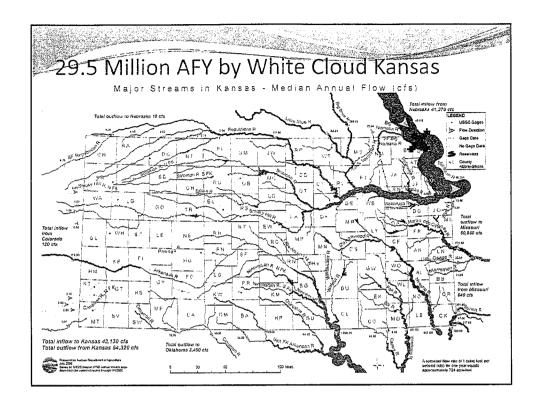
#### The Business of Kansas Interstate Water

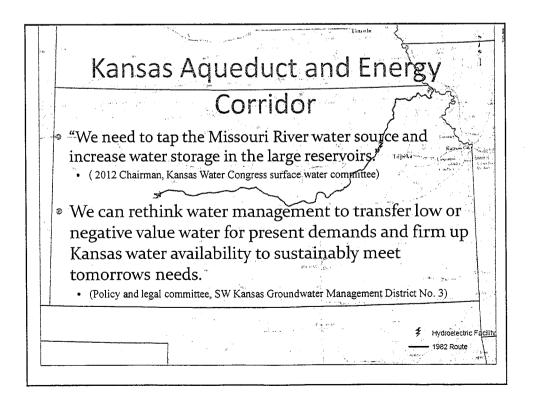
- Interstate stream compacts governing Kansas apportionments are state law in each member state and are ratified by Congress as Federal Law.
  - Kansas-Nebraska-Colorado Republican River Compact, K.S.A. 82a-518
  - Kansas-Colorado Arkansas River Compact, K.S.A. 82a-520
  - Kansas-Oklahoma Arkansas River Compact, K.S.A. 82a-528
  - Kansas-Nebraska Big Blue River Compact, K.S.A. 82a-529
  - There is no compact agreement between states sharing the Missouri River

http://www.ksda.gov/interstate\_water\_issues/?cid=431

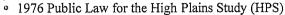
• There are significant Kansas River flows annually leaving Kansas







## 35 Years Ago



- Section 193 of the 1976 Water Resource Development Act (Public Law 94-587) authorizes and directs the Secretary of Commerce to study the depletion of water resources of the Ogallala Aquifer and to develop plans to increase water supplies in the area.
- Resulting 1982 HPS Report to the Secretary of Commerce.
- Five progressive aquifer management elements evaluated:
  - Kansas has implemented all but the fifth element; a major water transfer.
- The U.S. Army Corp of Engineers was directed by Congress to examine the engineering feasibility of transferring water from the east to the High Plains.
- The Kansas Water Transfer south route was found engineering feasible and the least expensive route identified.

# Kansas Participated in HPS Kansas Law Review

LEGAL CONSTRAINTS ON DIVERTING WATER FROM EASTERN KANSAS TO WESTERN KANSAS\*

John C. Peck \*\*

"Since the Missouri River is a gaining stream, and since there has been major flooding of the Missouri River in the past, the taking of water during peak flow periods from the Missouri River might well be viewed by Missouri and points downstream as a positive, rather than a negative, development." (30 U. Kan. L. Rev. 1981-1982, pg. 195)

\*The research forming the basis for this Article was conducted under Contract No. EDA-78-2550 from the Economic Development Administration of the United States Department of Commerce. The views expressed are those of the author.

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\*\* Associate Professor of Law. B.S. 1968, Kansas State; J.D. 1974, Kansas. The author acknowledges the valuable research assistance of Michael Ramsey, Class of 1980, University of Kansas School of Law.

# Kansas Participated in HPS

# Kansas Law Review

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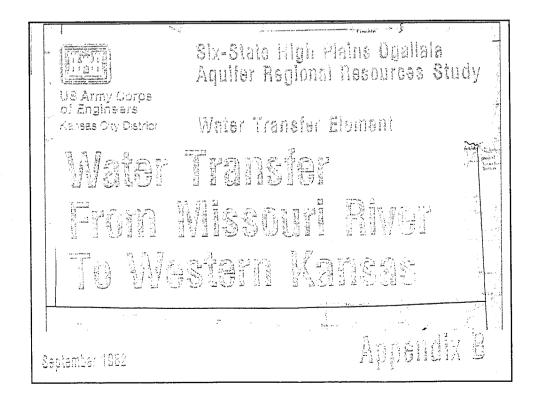
John C. Peck \*\*

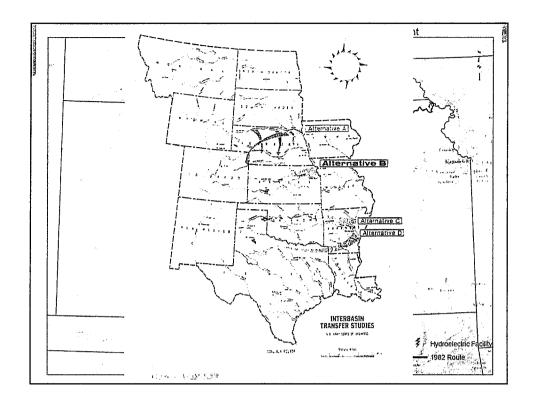
"A compact between Kansas and Missouri for allocation of the water of the Missouri River would involve some method of providing Kansas with the amount of water needed to ship west while preserving certain minimum flows for Missouri and other downstream states." (30 U. Kan. L. Rev. 1981-1982, pg. 195)

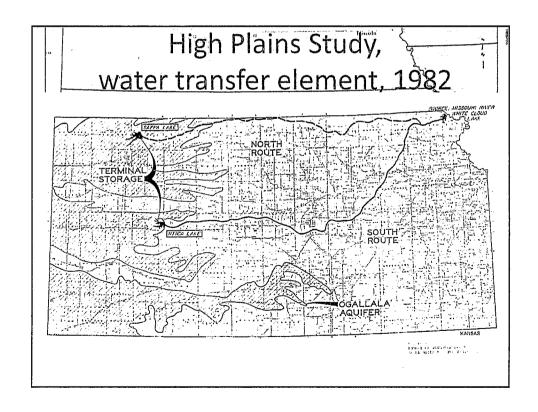
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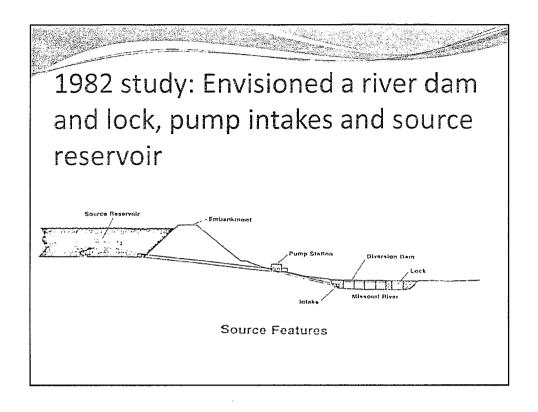
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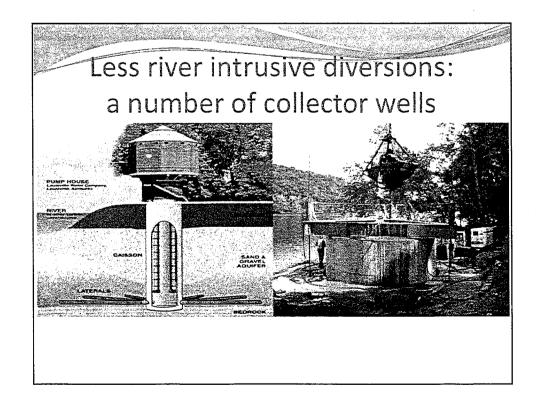
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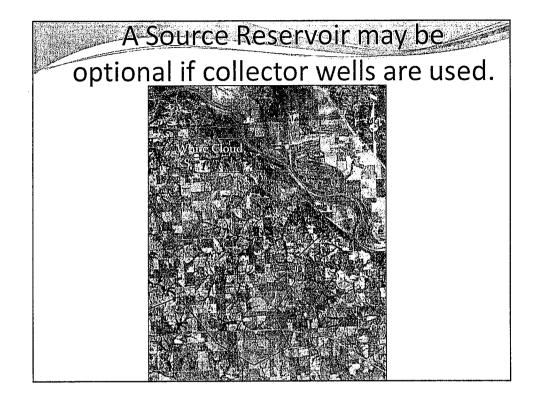


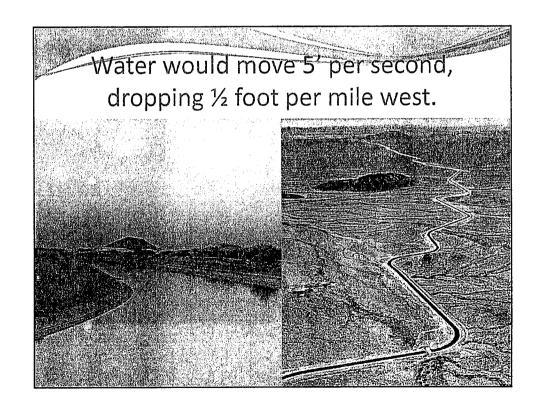


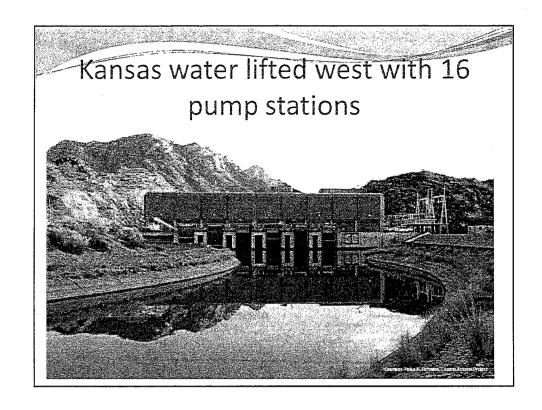


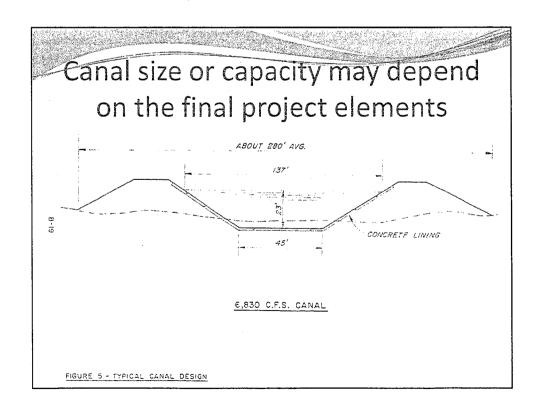


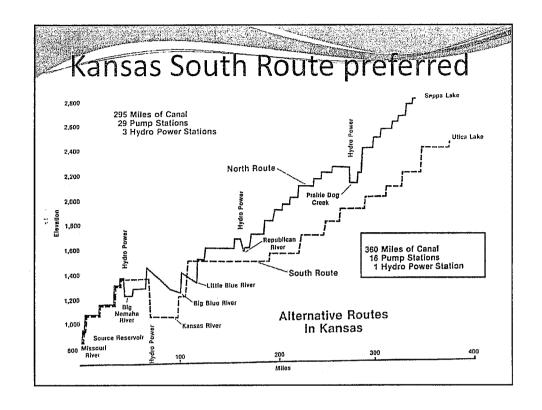


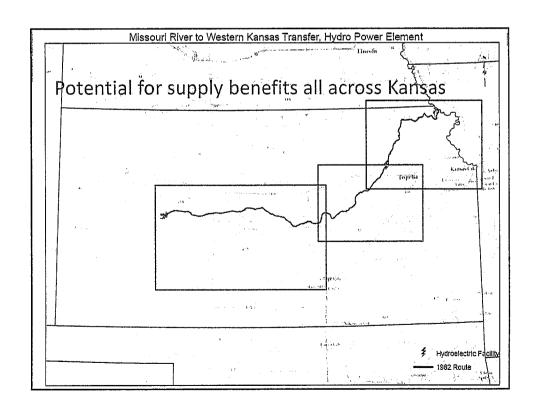




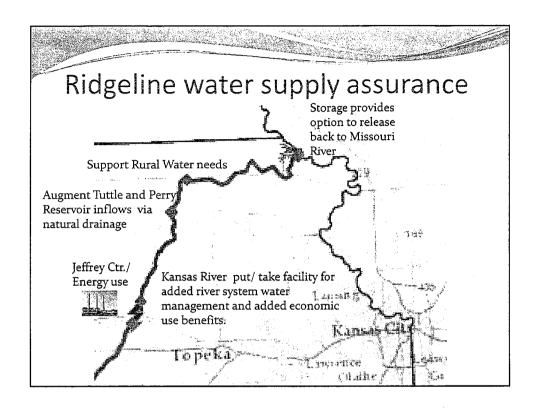


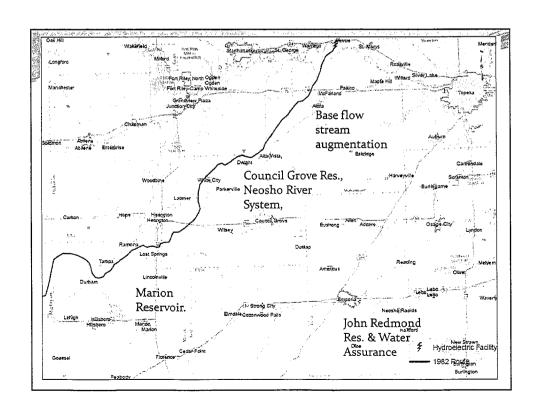


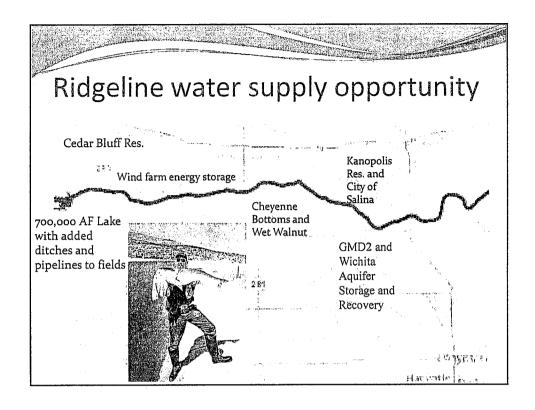


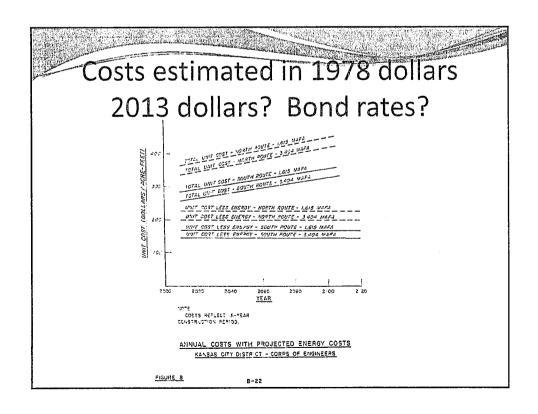


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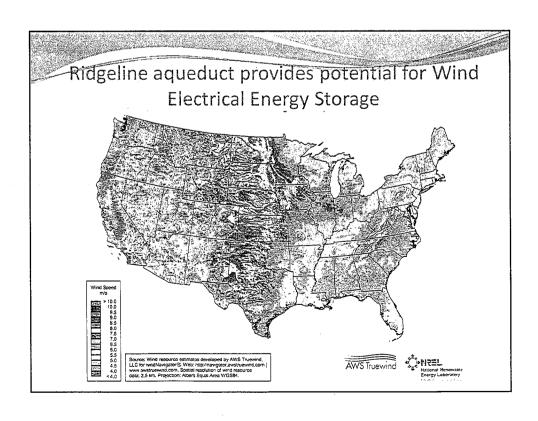


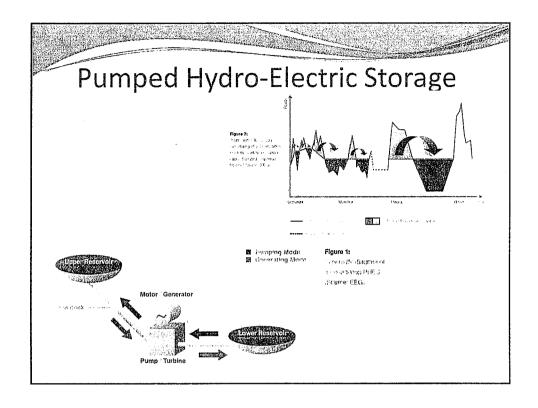




# The water management benefits of delivery to aquifer areas and to recharge include:

- Aquifer areas with KAEC water provide surety of supply, with the most efficient recharge being to establish groundwater as a secondary supply;
- Firms Kansas water supply by providing a "reserve" of water that can be recovered during prolonged drought or during interruption in the water delivery of a Kansas Aqueduct and Energy Corridor (KAEC);
- Encourages the use of renewable water supplies instead of continued overreliance on finite groundwater supplies;
- Mitigates impacts of groundwater overdraft including increased power costs for pumping water from greater depths;
- Improves the quality of recharged surface water by filtration through underlying sediments in a process known as soil aquifer treatment.







## Recommendation 1:

- Support the filing of applications to establish added Kansas appropriation of Missouri River water:
  - by GMD3, or other appropriate Kansas agency, using the 1982 Transfer Study for project DNA, and
  - waive or delay the statutory filing fees until project applications can be considered in final form.
    - Priority of filing is considered critical for Kansas Missouri River interests while Kansas develops and evaluates the many needs, interests and project elements for aqueduct feasibility.

## Recommendation 2:

- Support a Kansas Water Plan update to include a Kansas Aqueduct and Energy Corridor evaluation for pertinent basins, including the Missouri River.
  - State Water Plan basin team staff and other state and local resources can collaborate with project leaders and stakeholders to develop elements of a KAEC Project.

# Recommendation 3:

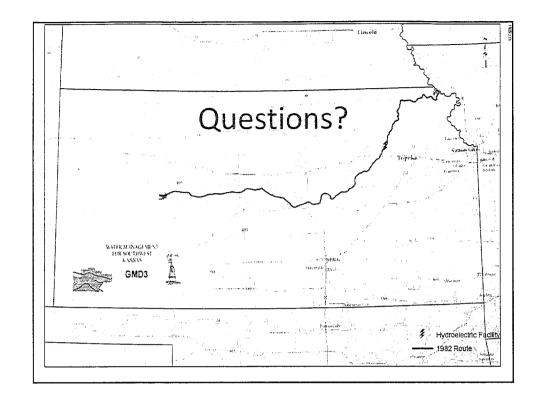
- Encourage a review of Kansas intrastate and interstate allocations to quantify all water uses and needs for best Kansas management goals, including during flood and drought. ("Every Drop Matters." KWA Chair)
  - Example: Big Blue Compact allocations are controlled by Army Corps of Engineers Tuttle Creek Reservoir operations: releasing water targeted for use in other states without a Kansas agreement and without compensation to Kansas.
  - Water dedicated to Kansans and yet leaving the state may be cause for review of use restrictions.

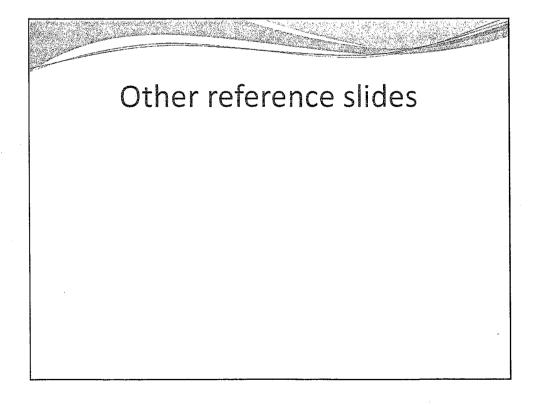
## Recommendation 4:

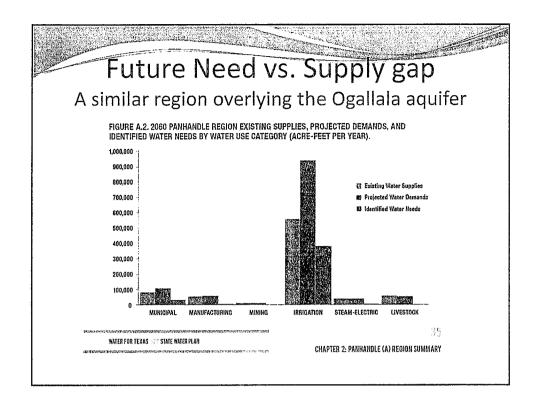
- Place a priority on restoring the Kansas Interstate
   Litigation Account funding to detour compact violations
   of Kansas interstate water supply.
  - Interstate Account funding should occur even if expenditure authority is not included.

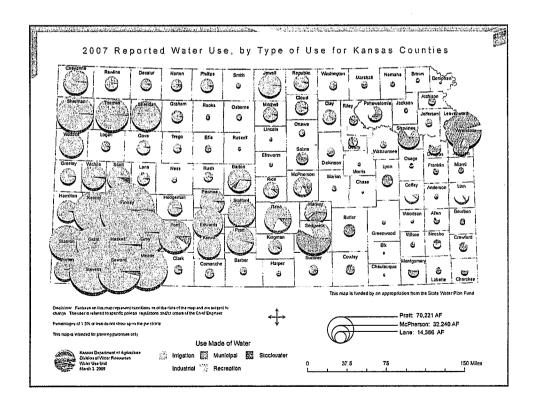
# Recommendation 5:

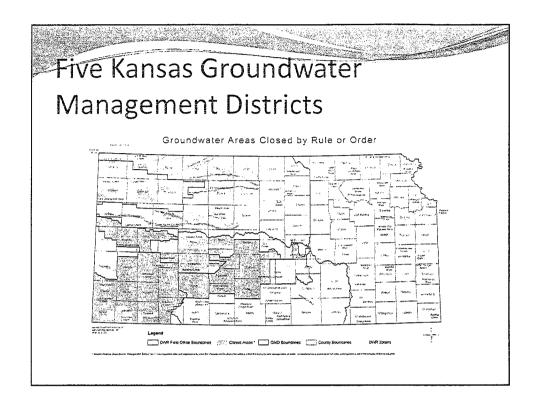
 Consider funding for a practical update of the John Peck 1982 Law Review article of the Legal constraints of moving water across Kansas, based on the proposed KAEC project.

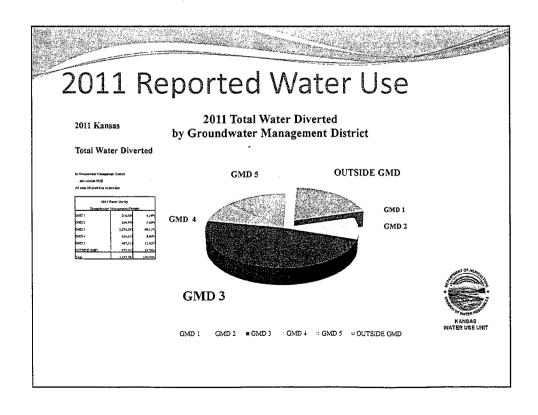




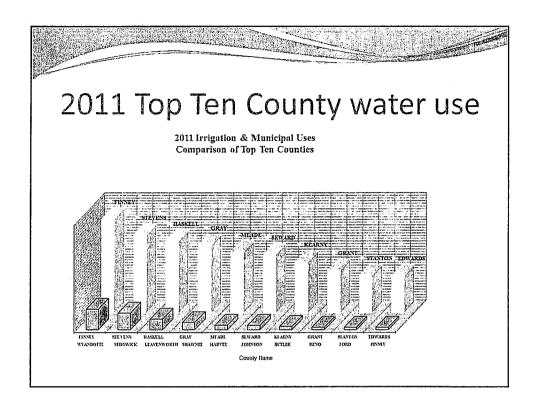


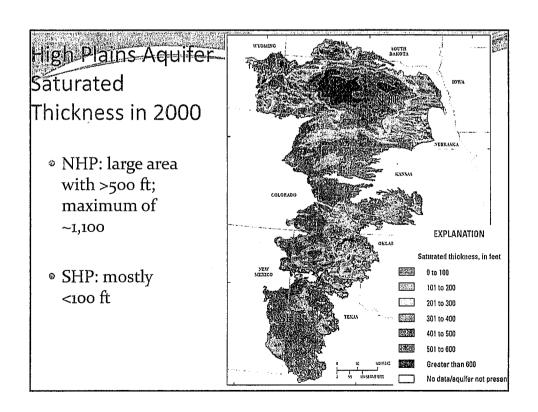






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