

# Taste and Odor Issues in Kansas Water Planning

Earl Lewis

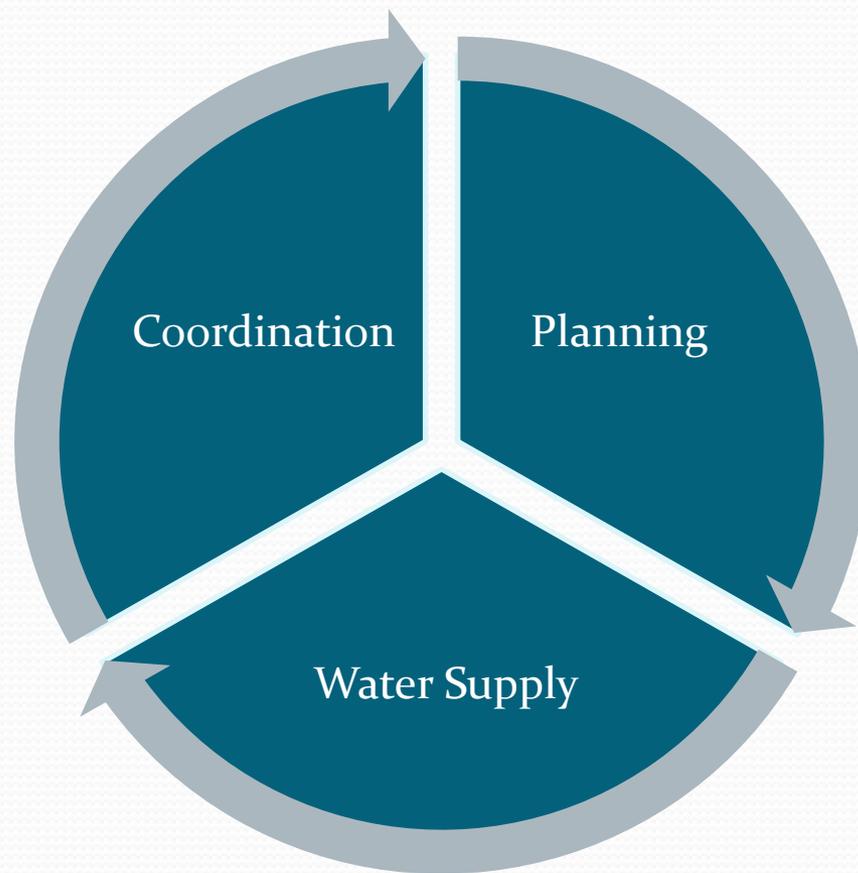
Kansas Water Office

November 14, 2012

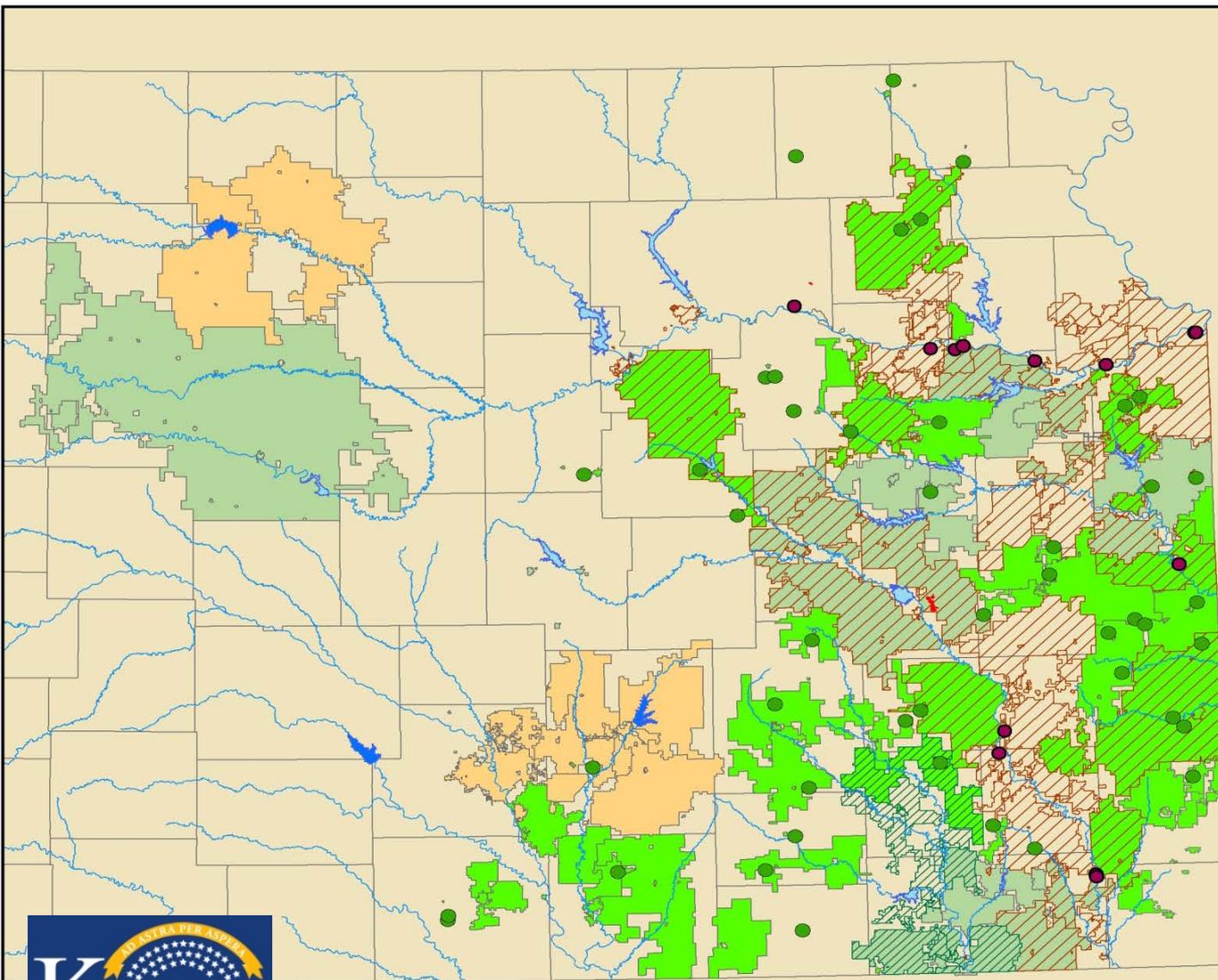


# Kansas Water Office

Coordinate the water resource operations of agencies at all levels of government and to ensure adequate quantities of good quality water to meet future needs.



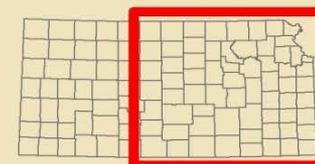
# Federal Lake Water Supply Storage Customers and PWS Served by Multipurpose Small Lakes and Municipal Lakes



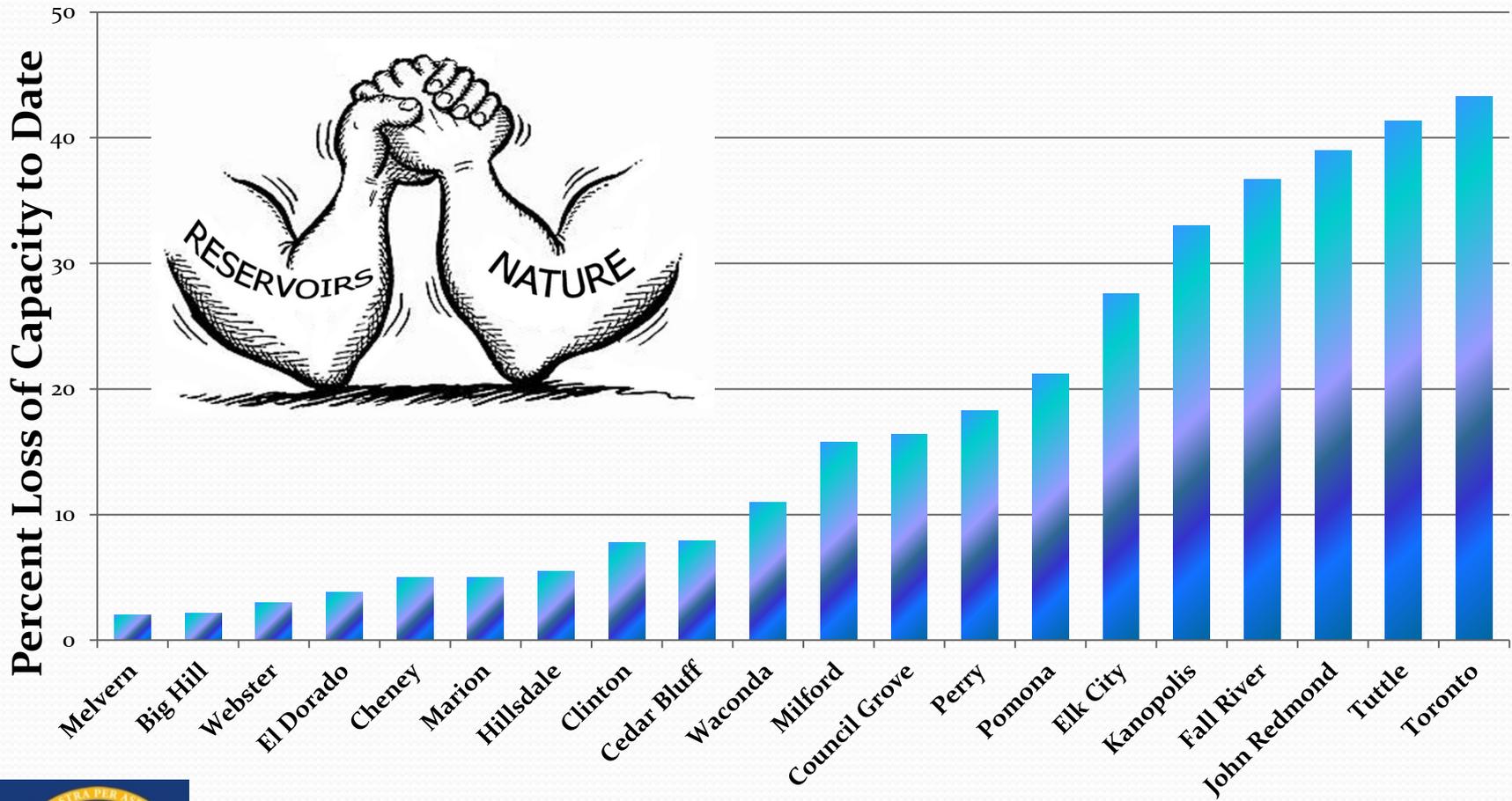
## Legend

- MPSL or City Lake
- AD Industry
- Stream
- Market/AD Lake
- Other Contract Lake
- Water Marketing Industry\*
- Verdigris MOA
- Water Assurance District
- MPSL / City Lake User
- Water Marketing
- Other Contracts
- County

\*Elk City, John Redmond,  
and Milford Lakes



# Kansas Reservoir Loss of Capacity

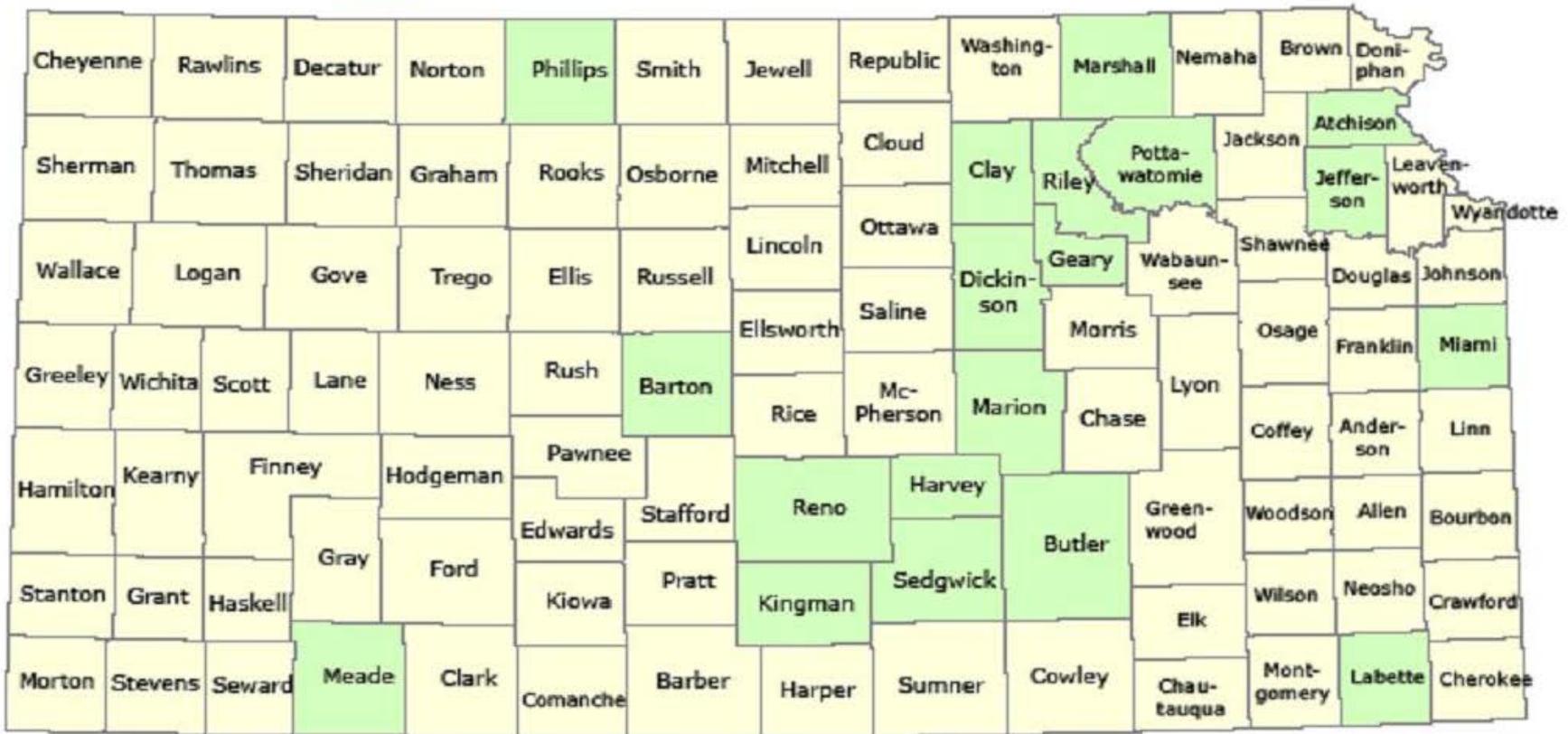


# Algae Outbreaks

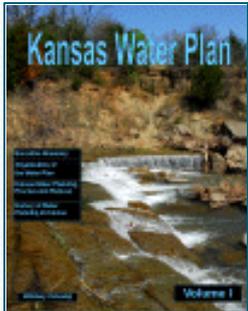


## Kansas Counties with Public Lakes Confirmed with Harmful Blue-Green Algal Blooms (HAB) in 2011

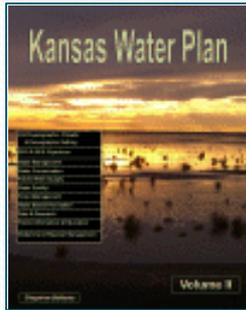
2011 Counties with HAB Confirmed



# Kansas Water Plan



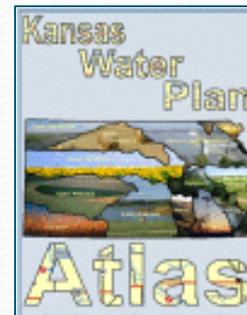
Volume I: Executive Summary, Planning Process, History, Physiography, Climate, and Demographics



Volume II: Statewide Management Categories and Policies



Volume III: Basin Plans

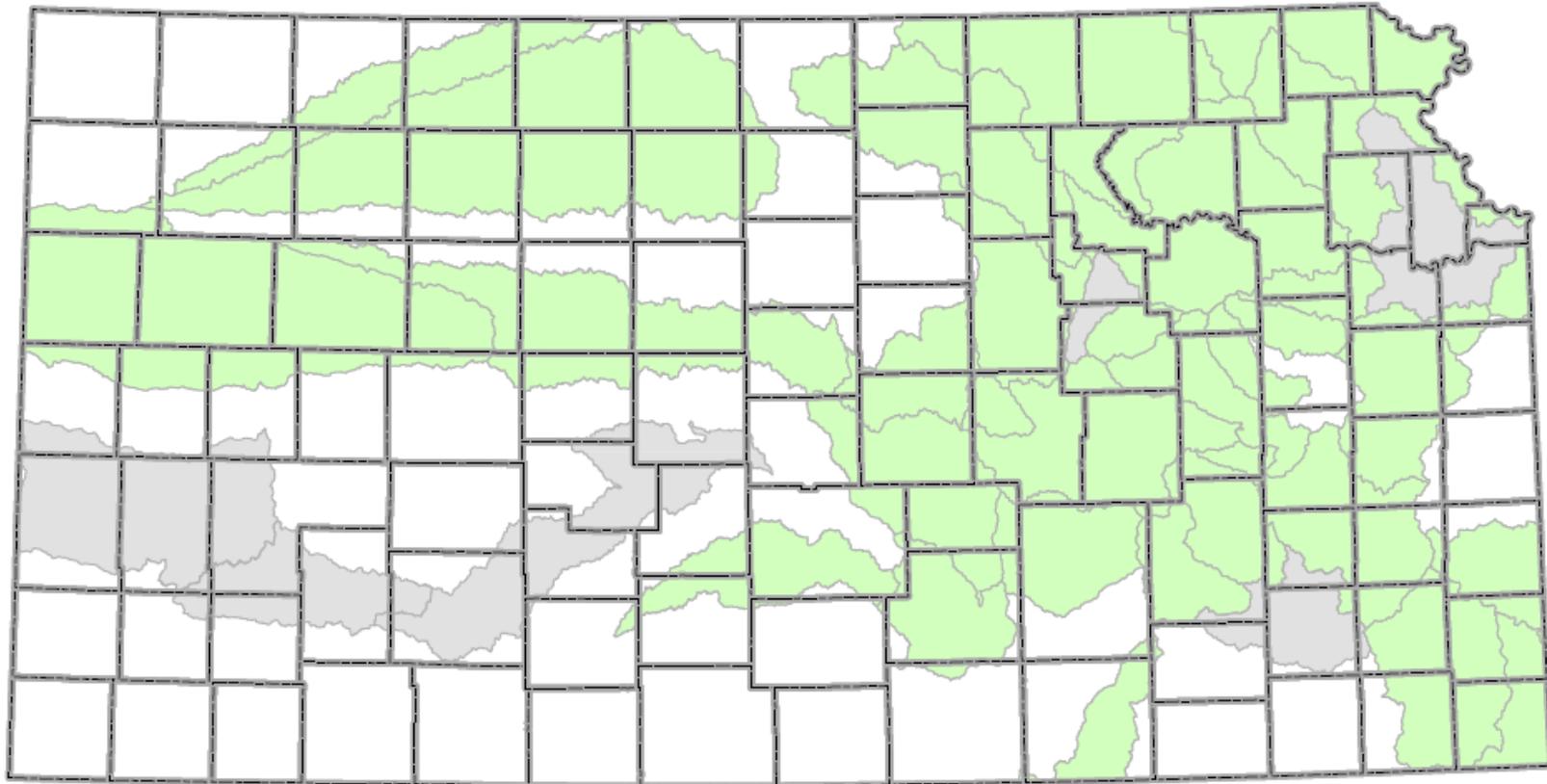


Atlas

# Kansas Water Plan Objectives

- Ensure that all public water suppliers have the technical, financial and managerial (TFM) capability to meet their needs and Safe Drinking Water Act requirements.
- Reduce the average concentration of bacteria, biochemical oxygen demand, dissolved solids, metals, nutrients, pesticides and sediment that adversely affect the water quality of Kansas lakes and streams.
- Ensure that water quality conditions are maintained at a level equal to or better than year 2000 conditions.
- Reduce total nitrogen and phosphorus leaving Kansas by 30 %.

# Watershed Restoration and Protection Strategy



-  WRAPS Project Addressing Nutrient-related Water Quality Issues
-  WRAPS Project Addressing Other Water Quality Issues



# Thank You

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*serving water needs*

*Feedback (and ideas for next webinar topics)  
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