

# VERDIGRIS RAC MEETING

JULY 11, 2023- OLD IRON DAYS, FREDONIA



## AGENDA DETAILS

- I. Welcome
  - II. Roll call – John Ditmore (Chair & Industry/Commerce)
  - III. Approve Agenda
  - IV. Review of May 2023 RAC Meeting Notes
  - V. Updates – KWO
    - a. KWA Meetings – June
    - b. KRPI
  - VI. FY2025 Budget Input Discussion
  - VII. RAC Goal Implementation Timeline – KWO
    - a. Priority goal #3
  - VIII. Questions and Future Issues from RAC Members
  - IX. Educational Events in the Region
  - X. KWA Messages
  - XI. Agency Input
  - XII. Public Input
  - XIII. Adjournment
- Future Meetings
- a. KWA Meeting – August 23 – McPherson, KS
  - b. Fall RAC meeting - TBD

# **Kansas Reservoir Protection Initiative**

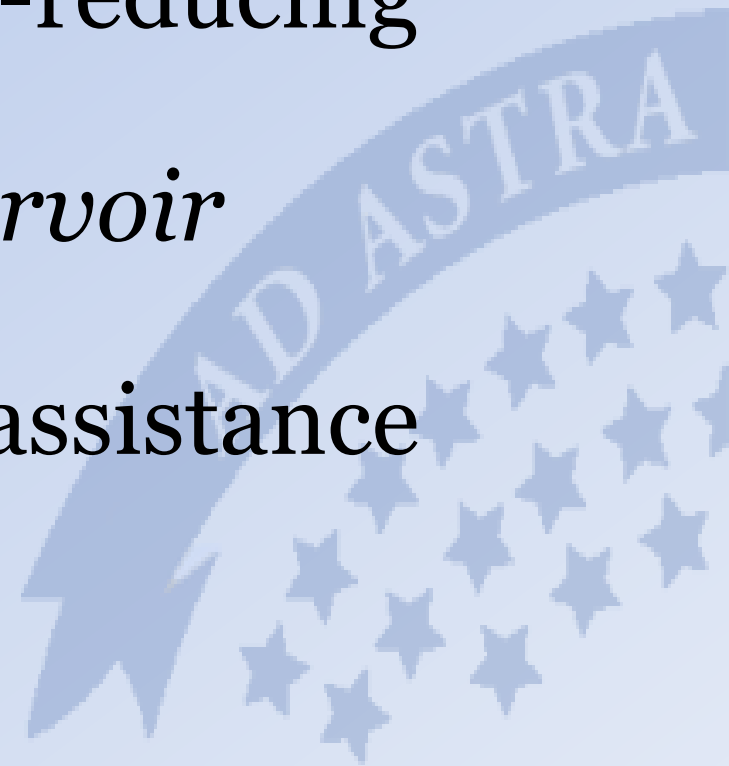
Verdigris RAC Discussion

7/11/2023



## What is the Kansas Reservoir Protection Initiative?

- State Water Plan Fund program to provide financial assistance to producers within priority watersheds to implement sediment-reducing conservation practices
  - *Focus: reducing reservoir sedimentation rates*
- Result-based financial assistance model



# Program Payment Structure

- \$50/ton of Sediment Reduced by Practice Installed
  - (Load reductions calculated from KDHE Statewide Region 5 Model)
  - Payment rate applies to all practices with the exception of cover crops
- Cover Crop Incentive Payments:
  - \$45/acre – first year participants
  - \$30/acre – second year participants
  - \$15/acre – third year participants



# Available Funding

- ❑ Current DOC carryforward from previous signups
  - ~\$500,000
- ❑ SWPF FY 2024 Watershed Conservation Practice Implementation Appropriation
  - \$1,000,000

# Participating Watersheds

## ❑ PREVIOUS YEAR WATERSHEDS

- Fall River
- Kanopolis
- John Redmond
- Tuttle Creek

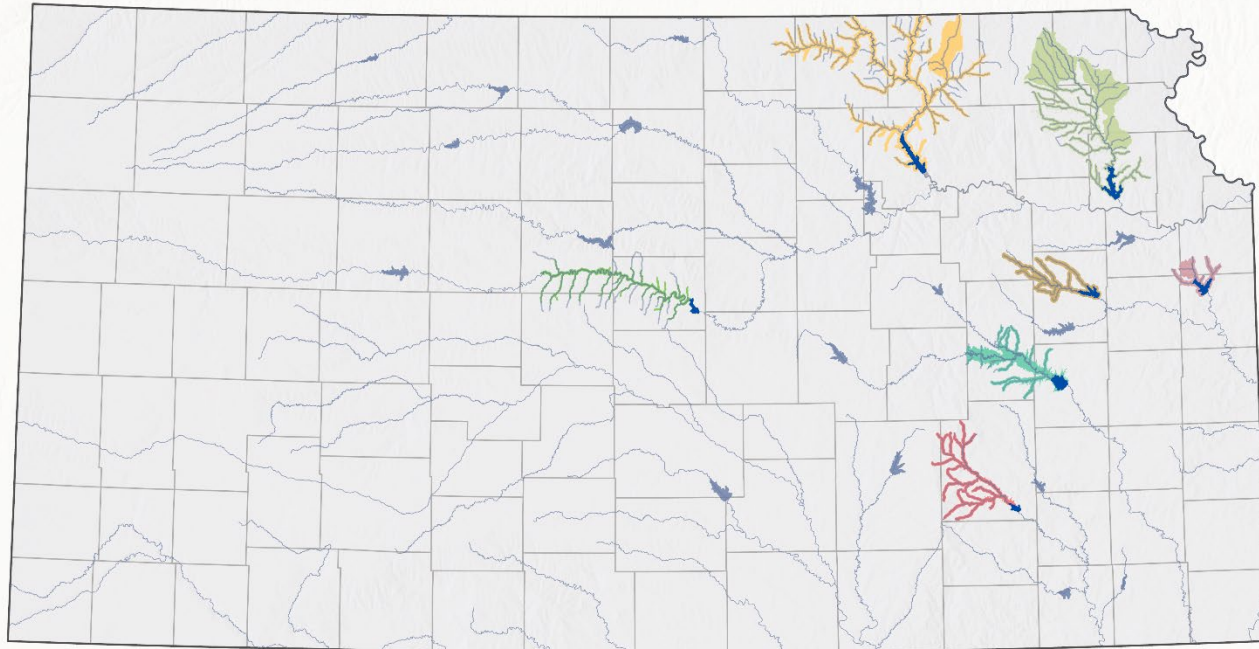
## ❑ NEW WATERSHEDS

- Hillsdale
- Perry
- Pomona



# Participating Watersheds

## Kansas Reservoir Protection Initiative Priority Implementation Areas



### Priority Areas

Fall River Lake

John Redmond Reservoir Priority Area

Kanopolis Lake Priority Area

Hillsdale Lake Priority Area

Perry Lake Priority Area

Pomona Lake Priority Area

Tuttle Creek Lake Priority Area

KRPI Targeted Reservoirs

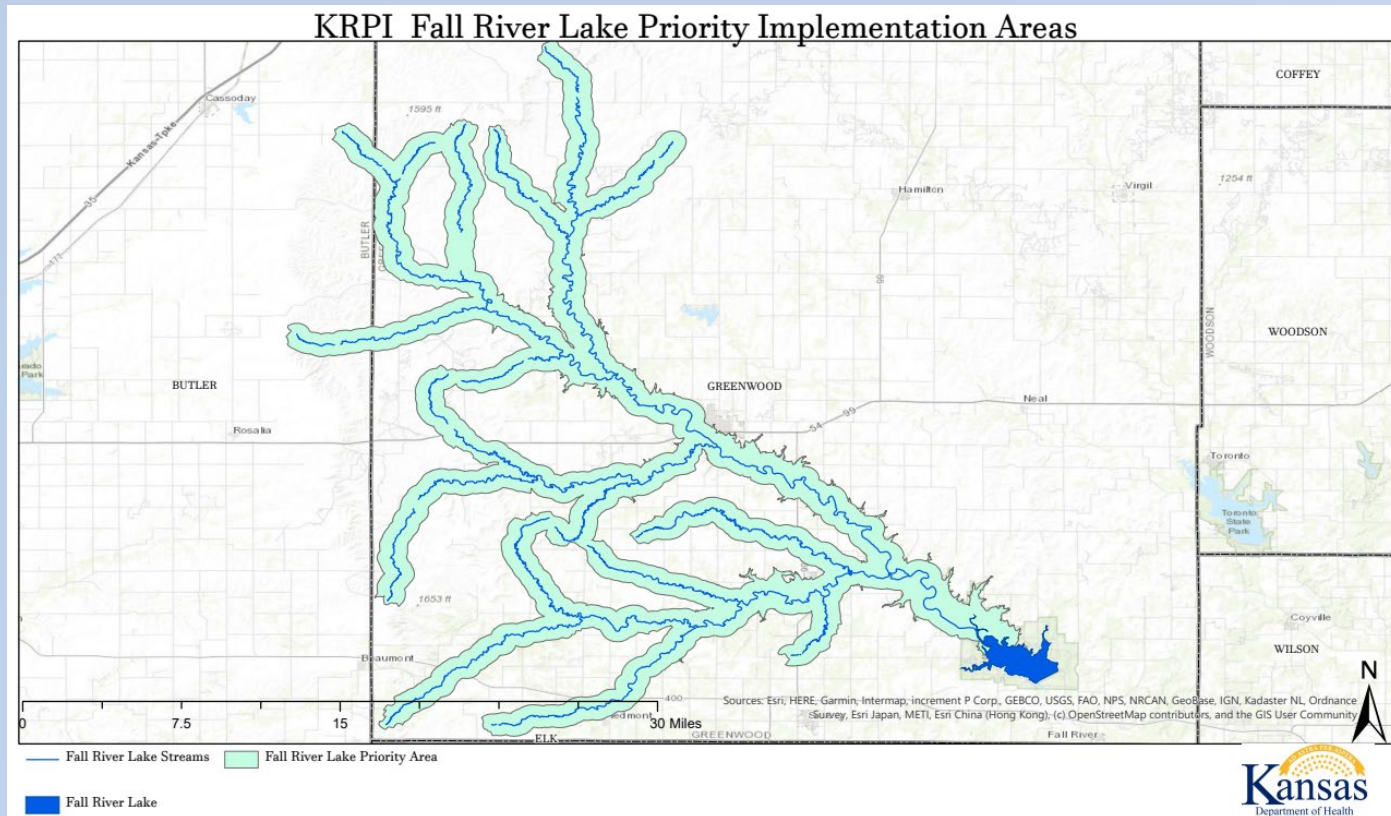
Federal Lakes

June 2023





# Participating Watersheds



# Eligible Practices

Practice Name	Practice Code	Notes
Conservation Crop Rotation	328	Not eligible for Irrigated to Dryland Rotation Organic and Non-Organic
Constructed Wetland	656	
Contour Buffer Strips	332	
Contour Farming	330	
Cover Crop	340	
Critical Area Planting	342	
Dike	356	
Diversions	362	
Field Border	386	
Filter Strip	393	
Forage and Biomass Planting	512	
Grade Stabilization Structure	410	
Grassed Waterway	412	
Land Smoothing	446	
Lined Waterway or Outlet	468	
Mulching	484	
Range Planting	550	
Residue and Tillage Management, No-Till	329	
Residue and Tillage Management, Reduced Till	345	
Riparian Forest Buffer	391	
Sediment Basin	350	
Structure for Water Control	587	
Subsurface Drain	606	
Terrace	600	
Tree/Shrub Establishment	612	
Tree/Shrub Site Preparation	490	
Underground Outlet	620	
Water and Sediment Control Basin	638	
Wetland Creation	658	
Wetland Enhancement	659	
Wetland Restoration	657	
Wetland Wildlife Habitat Management	644	

# Program Dates (Discussion)

- Application Period Began: 6/26
- Application Period Ends: 7/21
- Application Review Date: 7/25 pm
- Applicant Notifications: Immediately Following Application Review



## State Water Plan Fund FY 2025 Priorities

### **Conserve and Extend the High Plains Aquifer**

- Improve our understanding of the aquifer and all its characteristics
- Improve the efficiency of our use of High Plains water for all water users
- Reduce the amount of water that is pumped from the aquifer
- Use state resources to leverage local, federal and private funding

### **Secure, Protect, and Restore our Kansas Reservoirs**

- Ensure that Kansas has full access to reservoir storage needed to meet projected demands
- Improve our understanding of sediment inflows and deposition of sediment in reservoir storage
- Reduce the amount of sediment that is entering reservoir storage
- Manage and/or remove sediment once it has entered the reservoir
- Use state resources to leverage local, federal and private funding

### **Improve the State's Water Quality**

- Monitor surface and groundwater quality conditions for program management/decision making, define emerging issues and document successful improvements
- Establish and implement long term strategies to improve and restore water quality, including protecting source water, improving aquatic habitat, and recreational use, through appropriate treatment control of point and nonpoint sources
- Clean up soil, groundwater, and surface waters contaminated by past industrial and commercial activities
- Use state resources to leverage local, federal and private funding

### **Reduce our Vulnerability to Extreme Events**

- Improve our understanding of the timing, frequency, and impact of extreme events
- Reduce flood damage through mitigation and control
- Reduce economic damage and water supply vulnerability due to drought
- Use state resources to leverage local, federal and private funding

### **Increase Awareness of Kansas Water Resources**

- Improve coordination and access of information available to stakeholders and the public
- Establish an integrated knowledge base for water quantity, quality and use data for education, science & engineering, and decision making
- Provide general and targeted land and water conservation information and education
- Use state resources to leverage local, federal and private funding

## SWPF FY 2025 Regional Advisory Committee Budget Input

### Recent Progress/Success

- Has there been progress of note on regional and/or statewide water resource issues which should be highlighted?

### State Water Plan Fund Priorities

- What type of activities would be most impactful under any/all of the 5 KWP Guiding Principles and/or noted actionable items?
- What type of activities would be of highest priority under any/all of the 5 KWP Guiding Principles and/or noted actionable items?
- What do you feel is an appropriate proportional level of funding to go towards each of the 5 Kansas Water Plan Guiding Principles?
- Where do you feel current priority activities would best fit within the 5 KWP Guiding Principles and/or noted actionable items?
- Are there opportunities for “low hanging” issues or priorities to be addressed?
- Are there urgent emerging issues/priorities or unique opportunities to be addressed?
- Are there any activities you feel are missing at the current time which should be considered for future SWPF expenditures?

# Aquatic Invasive Species (AIS) background

- **What are AIS (or ANS)**

- Federal definition: nonindigenous species that threaten the diversity or abundance of native species or the ecological stability of infested waters, or commercial, agricultural, aquacultural or recreational activities dependent on such waters
- More simply: Non-native species that threaten the water resources of Kansas
- “Biological Pollution”

- **Federal Legislation that guides AIS activities**

- Nonindigenous Aquatic Nuisance Prevention and Control Act of 1990
- National Invasive Species Act of 1996

- **Kansas ANS plan approved by governor in 2005**

- ANS Coordinator position created in 2007
- ANS were recently added to the State Water Plan

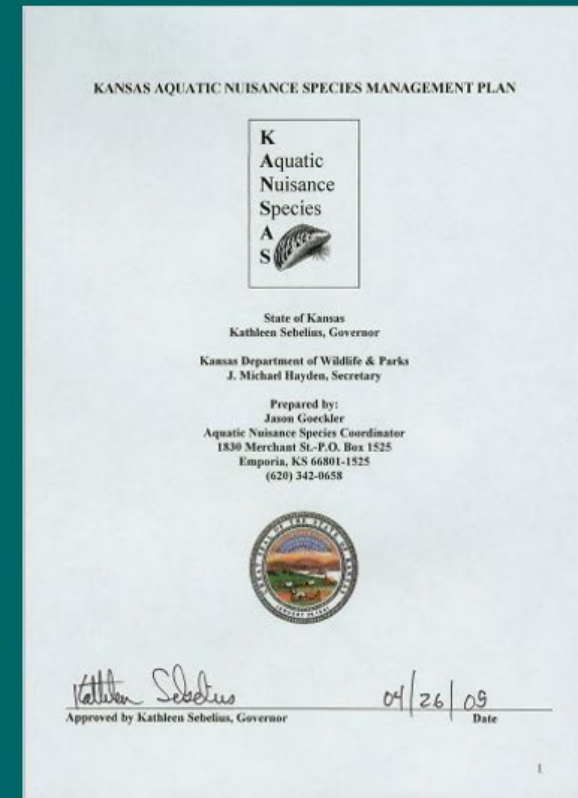




# AIS Program

## • AIS Program Goals:

- To **prevent new introductions** of ANS to Kansas
- To **prevent dispersal** of established populations of ANS into uninfested waters of Kansas
- To **eradicate or control** to minimize the adverse ecological, economic, social, and public health effects of ANS in an environmentally sound manner
- To **educate** all aquatic users of ANS risks and how to reduce the harmful impacts
- To **support research** on ANS in Kansas, and develop systems to disseminate information



# Monitoring, detection, and prevention

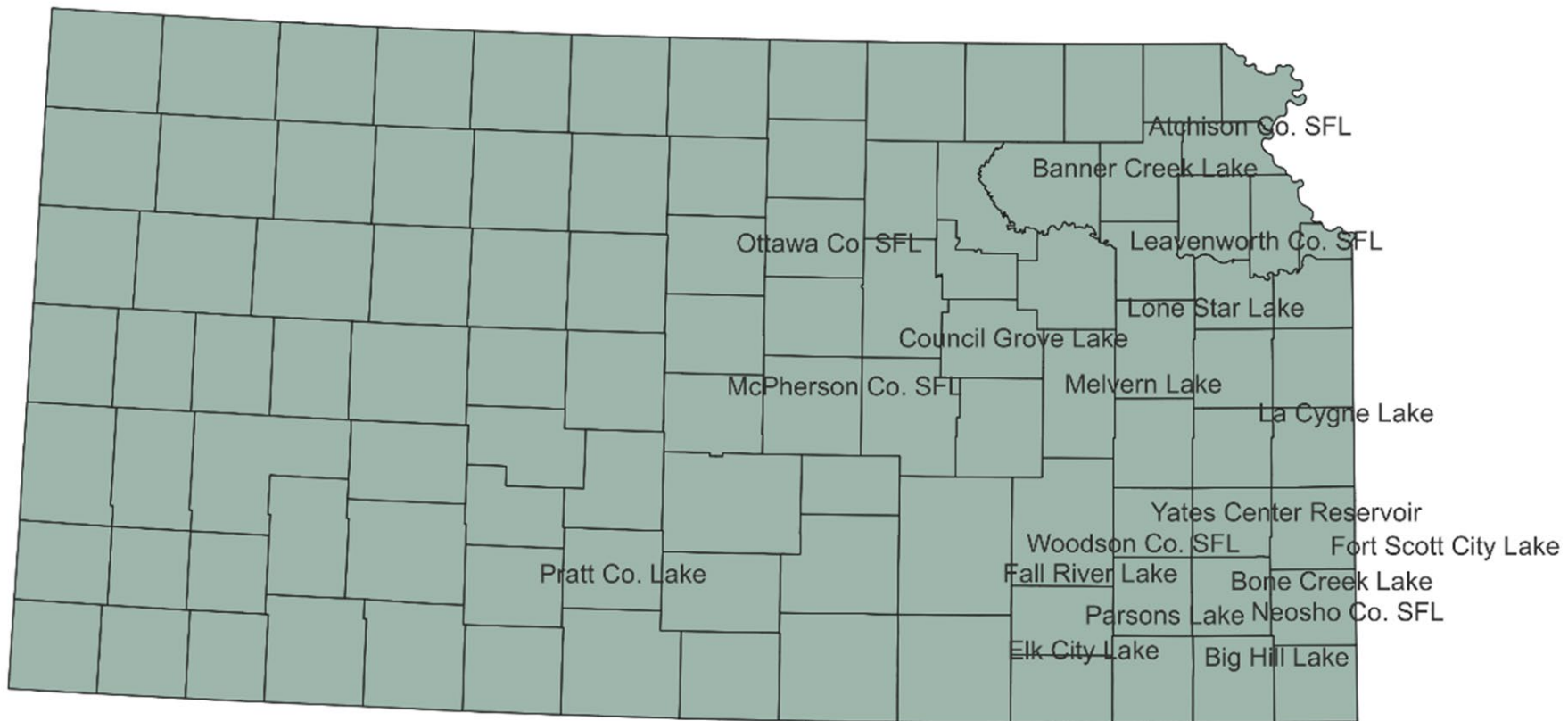
- Zebra and Quagga mussel monitoring at 160 lakes
- Fish health sampling at state and private fish hatcheries
- Bait shop inspections at 200 bait shops statewide
- Carp removal Lower Kansas River
- eDNA sampling for invasive carp in Upper Kansas River
- Crayfish research and monitoring
- Partner with pet shops through “Don’t Let it Loose” program
- Watercraft inspection and decontamination BOR waters
- CD3 boat cleaning/information stations purchased and deployed
- Improved outreach and education (in progress)













Lake	RAC	KDWP Fish Biologist	Boat Ramp Location
Banner Creek Reservoir	Kansas	Nick Kramer	39.459288, -95.771776
Melvorn Reservoir	Marias Des Cygnes	Jim Miazga	38.31046 -95.44033
LaCygnes	Marais Des Cygnes	Don George	
Big Hill Reservoir	Verdigris	Seth Lundgren	37.267885, -95.462854
Bone Creek Reservoir	Marais Des Cygnes	Connor Ossowski	37.619223, -94.741134
McPherson State Fishing Lake	Smoky Hill-Saline	Travis Riley	38.478779, -97.470547
Lonestar Lake	Kansas	Jim Miazga	38.836489, -95.377952
Critzer Lake	Marais Des Cygnes	Don George	
Elk City Reservoir	Verdigris	Seth Lundgren	37.253994, -95.777397
Neosho SFL	Neosho	Connor Ossowski	37.422265, -95.196743
Council Grove Reservoir	Neosho	Brett Miller	Council Grove Marina
Leavenworth State Fishing Lake	Kansas	Nick Kramer	39.125022, -95.147534
Lake Fort Scott	Marais Des Cygnes	Don George	
Yates Center City Lake	Neosho	Justin Morrison	37.500458, -95.475537
Fall River Reservoir	Verdigris	Carson Cox	37.657321, -96.104347
Ottawa State Fishing Lake	Solomon-Republican	Paul Stockebrand	39.06213,-9734315
Pratt County Lake	Great Bend Prairie	Micah Waters	37.629875, -98.683972
Atchison State Fishing Lake	Missouri	Nick Kramer	39.631927, -95.174021
Woodson State Fishing Lake	Verdigris	Justin Morrison	37.474344,-95505071
Parsons City Lake	Neosho	Seth Lundgren	37.413228, -95.349082

April-June 1st

June-July 1st

July-September 1st

September-October 31st

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