



KANSAS

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Watershed Restoration and Protection Strategy

In association with the Kansas Department of Health and Environment

**Building Implementation Capacity for KS Water Quality
Improvement Programs**

Amanda Reed

CWSRF for Soil Health and NPS

March 29, 2021



Kansas SRF Activities/Loans

- Drinking Water Protection Program
 - Set Asides for Staff and potential BMP funding in the future
- Local Conservation Lending Program
- Interseeding for Soil Health
 - \$3.5M
- Interagency Streambank Stabilization Team

Drinking Water Protection Program

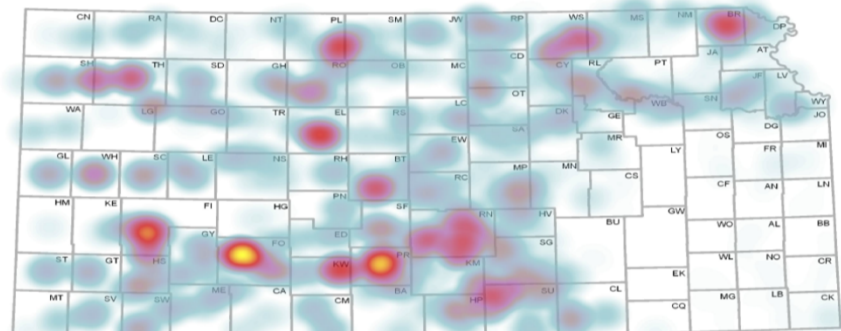
Program Goals

- Protect small community water supplies source water from non-point source pollution
- Create more sustainable water supply systems
- Prevent financial burden of small communities from increased treatment costs

Program Activities

- Conduct an assessment
- Develop a DWP plan
- Administer funding to communities

**Nitrate Test Results, Dec 2010 to Mar 2019
in Public Water Supply Systems**



Concentration of Nitrate Test Results

0 mg/l 20 mg/l



Data Source: KDHE, Bureau of Water, Public Water Supply
Date Published: March 22, 2019



Local Conservation Lending Program

Funding shortfall prompted exploration of additional funding options/opportunities for Conservation Practices addressing NPS

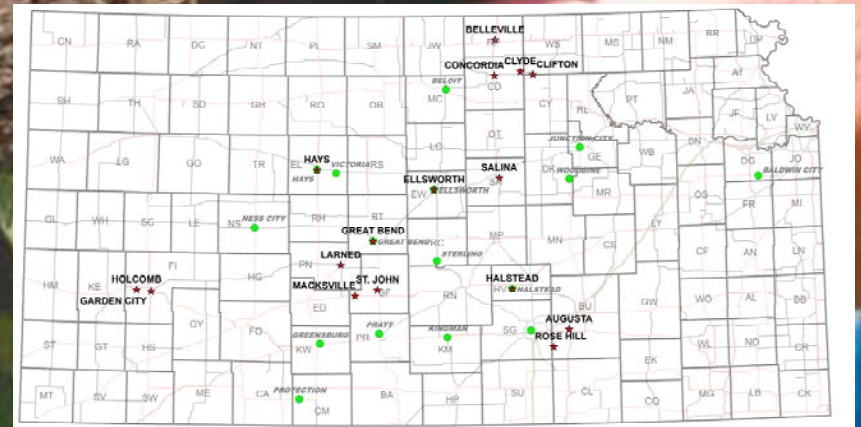
Linked-deposit low-interest loan program for NPS projects, modeled after Iowa's successful program

Local Conservation Lending Program (LCLP) – statutes authorizing LCLP passed effective July 1, 2015

\$1 million per year

~30 NPS projects funded per year (depending on applications)

- 60% projects - with cost-share provided
- 40% projects - no cost-share provided



Hagie Interseeders CWSRF Loan

- \$3.5M
- GPR
- Principal Forgiveness
- Sole source bid award
- Glacial Hills RC&D
 - Go between for Municipality and KDHE
 - Managing Contracts with Local Retailers





Retailer Agreements

- Recruitment
- 5,000 Acres in targeted areas – minimum
- Provide Operators
- Soil Health Education for Operators
- Customize seed mixes for each producer
- Charge Reasonable seeding rate



Load Reductions

- Interseeders are required to plant at least 10,000 acres of cover crop each year.
- 5,000 in targeted areas, remaining 5,000 in watershed as whole.

156,000
Pounds of
Nitrogen

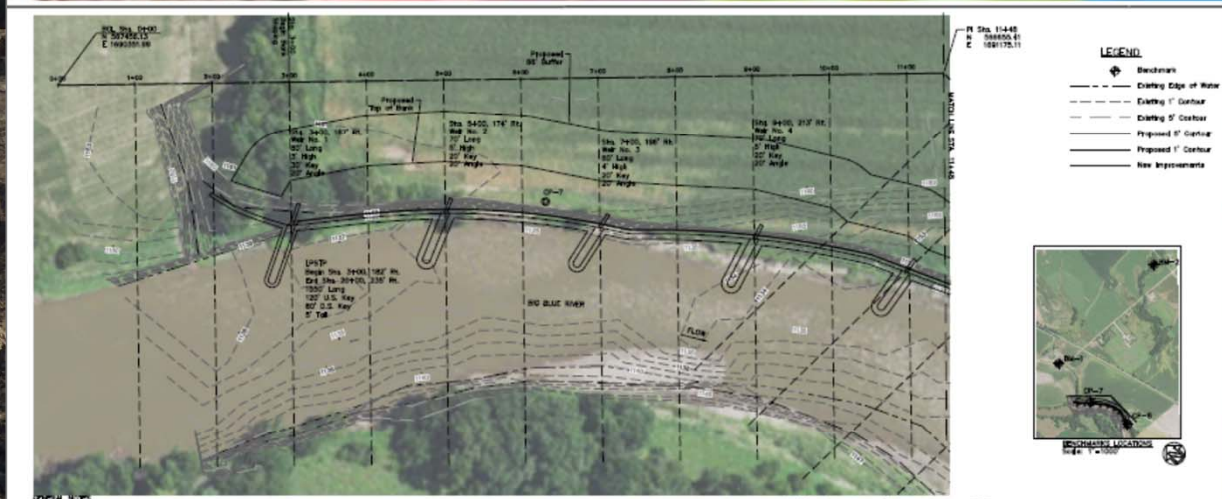
78,160 Pounds
of Phosphorus

53,440 tons of
Sediment



Interagency Streambank Stabilization

- \$4.6M – Multiple loans since 2009
 - Principal Forgiveness
 - GPR
- Interagency Streambank Team – KDA/DOC, KWO, KDHE.
 - KDHE participates in planning and implementation of SB projects, has contributed \$400,000 in 319 funding and \$1.2M in SRF Loan funding.
- Interagency team now getting funding from Kansas Legislature



Streambank Stabilization Load Reductions

437,752
Pounds of
Nitrogen

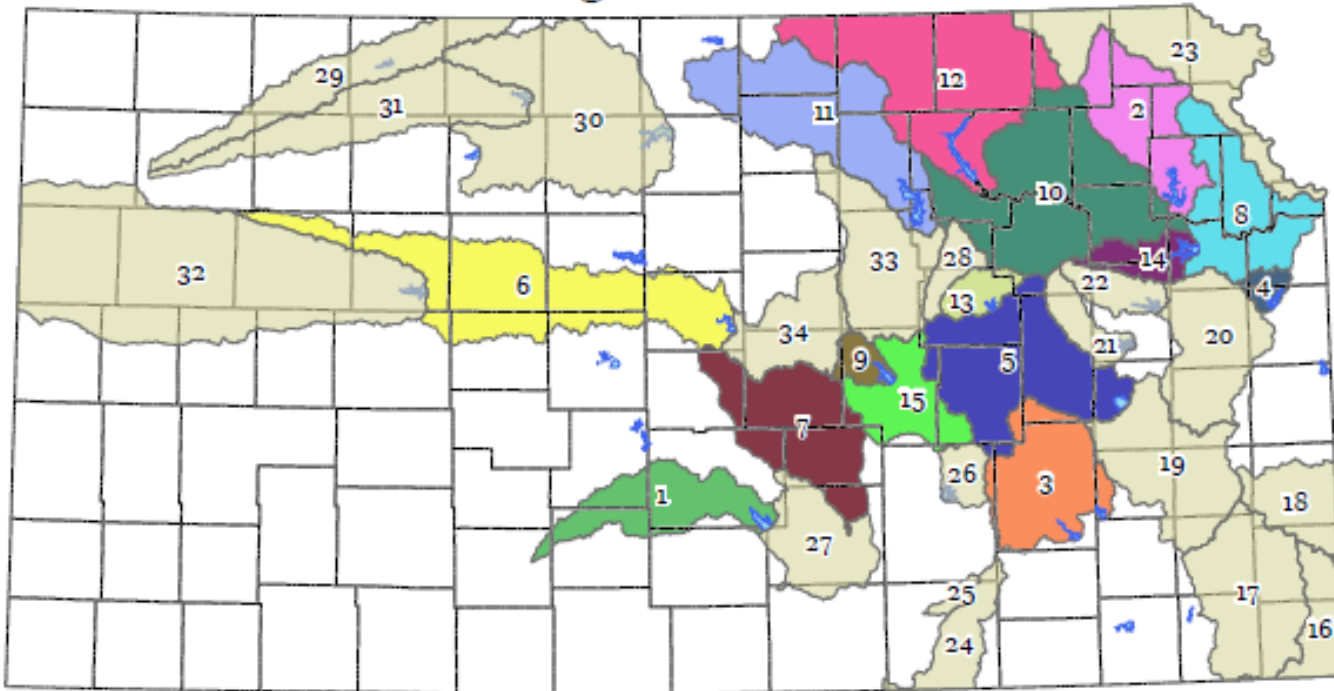
219,846
Pounds of
Phosphorus

225,387 tons
of Sediment



- Vision of WRAPS is to achieve improved water quality for the State of Kansas through collaborative watershed management.
- WRAPS Projects work collectively with many partners including state and federal agencies, local producers, industry, municipalities, and other stakeholders to develop, plan, and implement strategies to address water quality concerns.

August 2019



A close-up photograph of a person's hands holding a large, dark brown clump of soil. The soil is moist and contains several plant roots and a piece of light-colored wood. The background is a blurred green field.

Thank You!

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