



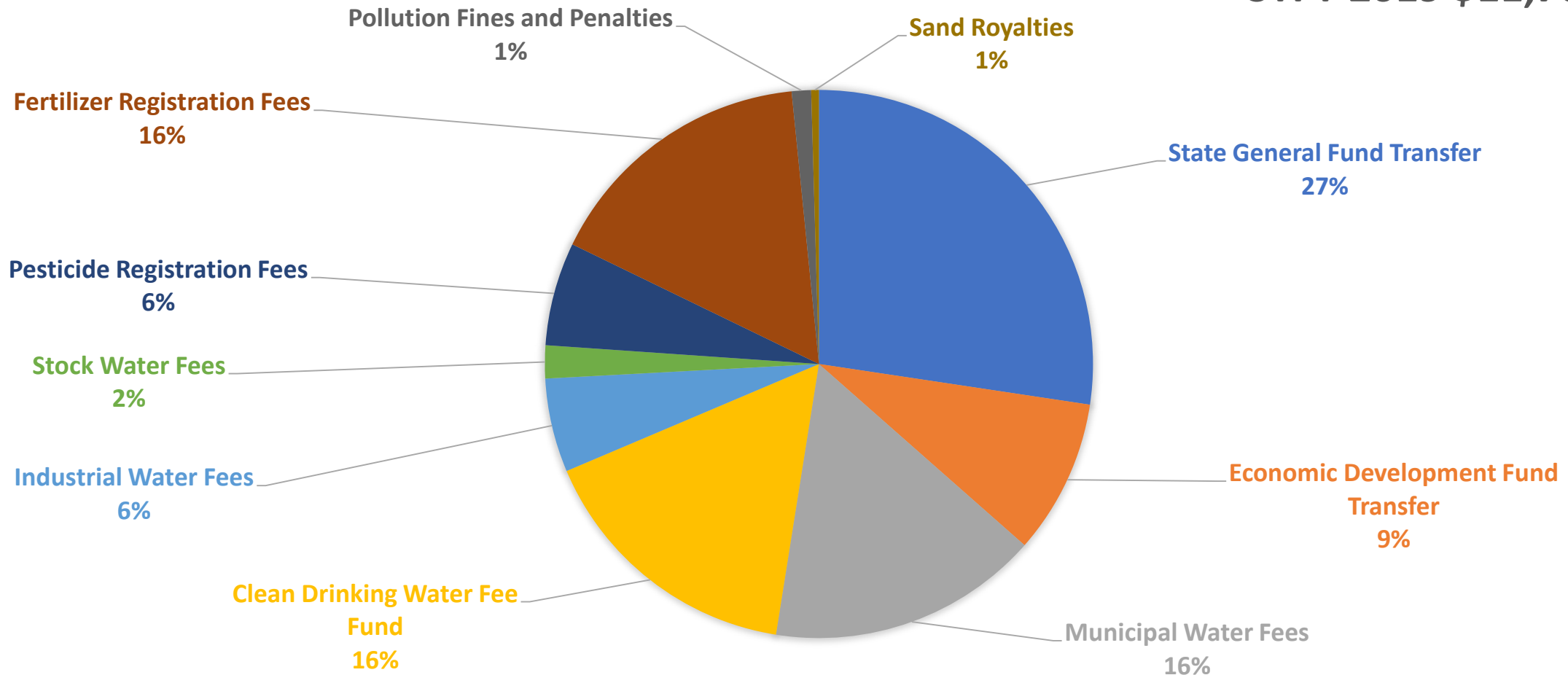
# Solomon Republican RAC Update

April 3, 2018

**Steve Frost, Administrative Manager**  
**Kansas Department of Agriculture**  
**Division of Conservation**

# State Water Plan Fund

**REVENUE ESTIMATES**  
**STFY 2019 \$11,700,000**



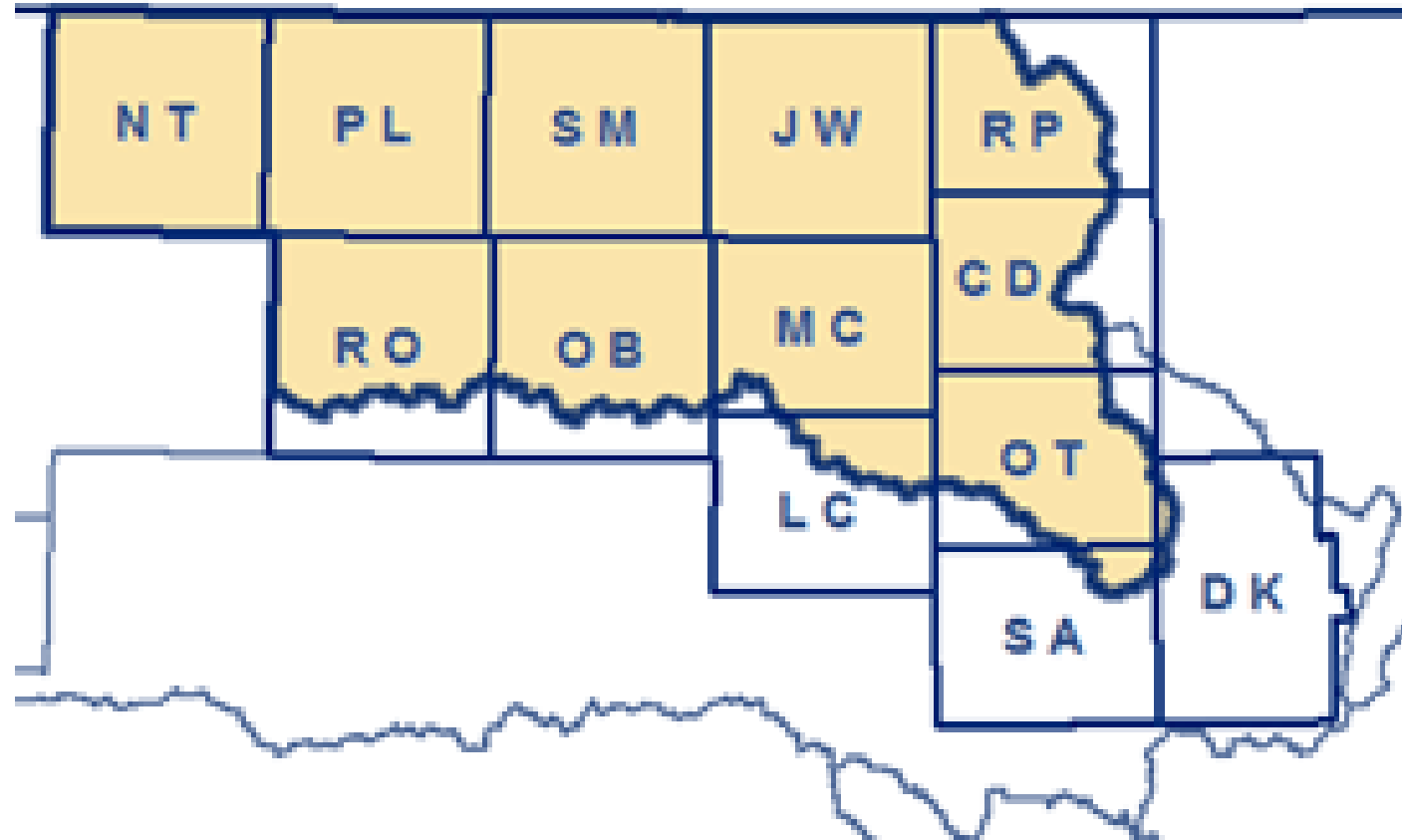
# State Water Plan Fund Expenditures

Agency/Program	FY 2017 Actuals	FY 2018 Ap- propriated w/Carry For- ward	FY 2018 Ap- propriated w/ Supplemental Request	FY 2019 Appropriated	FY2019 Ap- propriated w/ Enhancement Request
<b>Department of Health &amp; Environment</b>					
Contamination Remediation	\$ 654,094	\$ 637,030	\$ 637,030	\$ 688,301	\$ 688,301
TMDL Initiatives	\$ 244,062	\$ 250,364	\$ 250,364	\$ 276,307	\$ 276,307
Nonpoint Source Program	\$ 297,768	\$ 245,540	\$ 245,540	\$ 298,980	\$ 298,980
Watershed Restoration & Protection Strategy	\$ 555,884	\$ 555,000	\$ 555,000	\$ 555,884	\$ 555,884
<b>Total - KDHE</b>	<b>\$ 1,751,808</b>	<b>\$ 1,687,933</b>	<b>\$ 1,687,933</b>	<b>\$ 1,819,472</b>	<b>\$ 1,819,472</b>
<b>University of Kansas - Geological Survey</b>	<b>\$ 26,841</b>	<b>\$ 26,841</b>	<b>\$ 26,841</b>	<b>\$ 26,841</b>	<b>\$ 26,841</b>
<b>Department of Agriculture</b>					
Interstate Water Issues	\$ 451,841	\$ 430,297	\$ 430,297	\$ 492,000	\$ 492,000
Subbasin Water Resources Management	\$ 781,007	\$ 539,837	\$ 539,837	\$ 610,808	\$ 610,808
Water Use	\$ 107,488	\$ 120,178	\$ 120,178	\$ 72,600	\$ 72,600
Water Resources Cost Share	\$ 2,041,642	\$ 1,808,410	\$ 1,808,410	\$ 1,948,289	\$ 1,948,289
Nonpoint Source Pollution Asst.	\$ 1,866,556	\$ 1,631,018	\$ 1,631,018	\$ 1,858,350	\$ 1,858,350
Aid to Conservation Districts	\$ 2,092,637	\$ 2,000,000	\$ 2,000,000	\$ 2,092,637	\$ 2,092,637
Watershed Dam Construction	\$ 559,353	\$ 528,157	\$ 528,157	\$ 550,000	\$ 550,000
Water Quality Buffer Initiative	\$ 179,893	\$ 265,670	\$ 265,670	\$ 200,000	\$ 200,000
Riparian & Wetland Program	\$ 158,892	\$ 135,546	\$ 416,858	\$ 152,651	\$ 152,651
Water Transition Assistance Program/CREP	\$ 178,572	\$ 248,255	\$ 248,255	\$ 200,000	\$ 200,000
<b>Total - Department of Agriculture</b>	<b>\$ 8,417,881</b>	<b>\$ 7,707,368</b>	<b>\$ 7,707,368</b>	<b>\$ 8,177,335</b>	<b>\$ 8,177,335</b>
<b>Kansas Water Office</b>					
Assessment & Evaluation	\$ 545,732	\$ 594,023	\$ 594,023	\$ 450,000	\$ 450,000
GIS Data Base Development	\$ 112,306	\$ 50,000	\$ 50,000	\$ -	\$ -
MOU-Storage Operations & Maintenance	\$ 302,071	\$ 363,699	\$ 363,699	\$ 350,000	\$ 350,000
Stream Gaging	\$ 431,282	\$ 350,000	\$ 350,000	\$ 431,282	\$ 431,282
Technical Assistance to Water Users	\$ 377,646	\$ 421,474	\$ 421,474	\$ 325,000	\$ 325,000
Kansas Alluvial	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ -
Bathymetric Study	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ -
Streambank Stabilization	\$ 400,000	\$ 1,000,000	\$ 1,000,000	\$ -	\$ 1,000,000
Vision Strategic Education Plan	\$ -	\$ -	\$ -	\$ -	\$ 500,000
Watershed Conservation Practice Imp.	\$ -	\$ -	\$ -	\$ -	\$ 1,800,000
Milford Lake Watershed RCPP Project	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000
Harmful Algae Bloom Pilot	\$ -	\$ -	\$ 400,000	\$ -	\$ 500,000
Contamination Remediation	\$ -	\$ -	\$ -	\$ -	\$ 400,000
Interstate Water Compact Compliance	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Water Structures Inspections	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Irrigation Technology	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
Water Technology Farms	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Vision Implementation Research	\$ -	\$ -	\$ -	\$ -	\$ 500,000
Telemetry	\$ -	\$ -	\$ -	\$ -	\$ 850,000
Waters Leaving the State Evaluation	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Equus Bed Chloride Plume Project	\$ -	\$ -	\$ -	\$ -	\$ 500,000
<b>Total - Kansas Water Office</b>	<b>\$ 2,169,037</b>	<b>\$ 2,979,196</b>	<b>\$ 3,579,196</b>	<b>\$ 1,556,282</b>	<b>\$ 9,556,282</b>
<b>Total State Water Plan Expenditures</b>	<b>\$ 12,365,559</b>	<b>\$ 12,401,338</b>	<b>\$ 13,282,651</b>	<b>\$ 11,579,930</b>	<b>\$ 19,579,930</b>

# DOC State Water Plan Budget

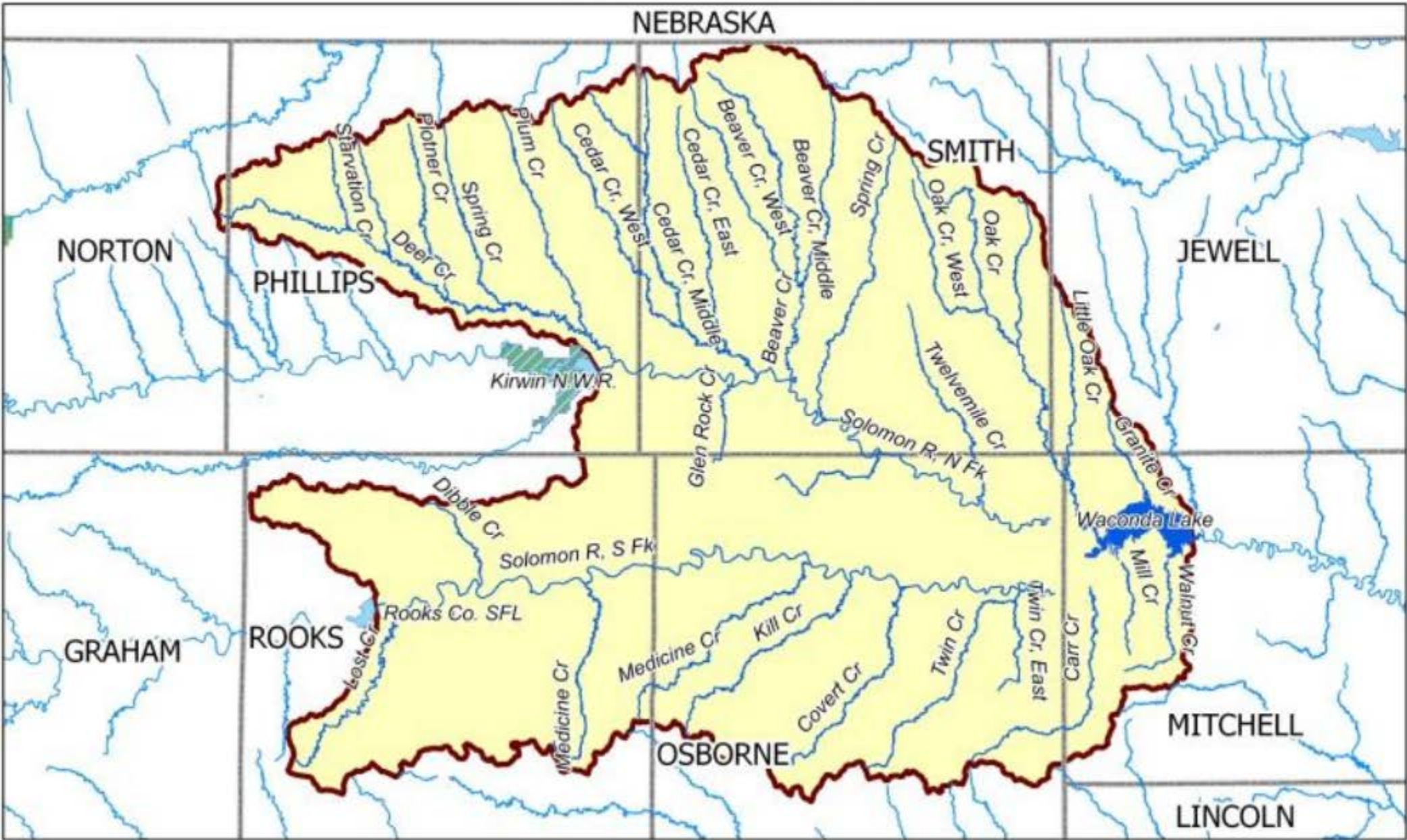
DOC Programs	FY 2018	FY 2019	HIGHEST
Conservation District Aid	\$2,000,000	\$2,092,637	\$2,325,000
Water Resources Cost-Share	\$1,727,387	\$1,948,289	\$5,736,772
Non-Point Pollution Cost-Share	\$1,503,015	\$1,858,350	\$3,623,854
Watershed Dam Construction	\$511,076	\$550,000	\$1,577,248
Water Supply Restoration / MSL	\$0	\$0	
CREP / WTAP	\$177,324	\$200,000	1.4 M/700 K
Water Quality Buffer Initiative	\$88,662	\$200,000	\$350,000
Riparian & Wetland	\$135,343	\$152,651	\$300,000
<b>TOTAL</b>	<b>\$6,142,807</b>	<b>\$7,001,927</b>	

## Solomon-Republican Regional Advisory Committee



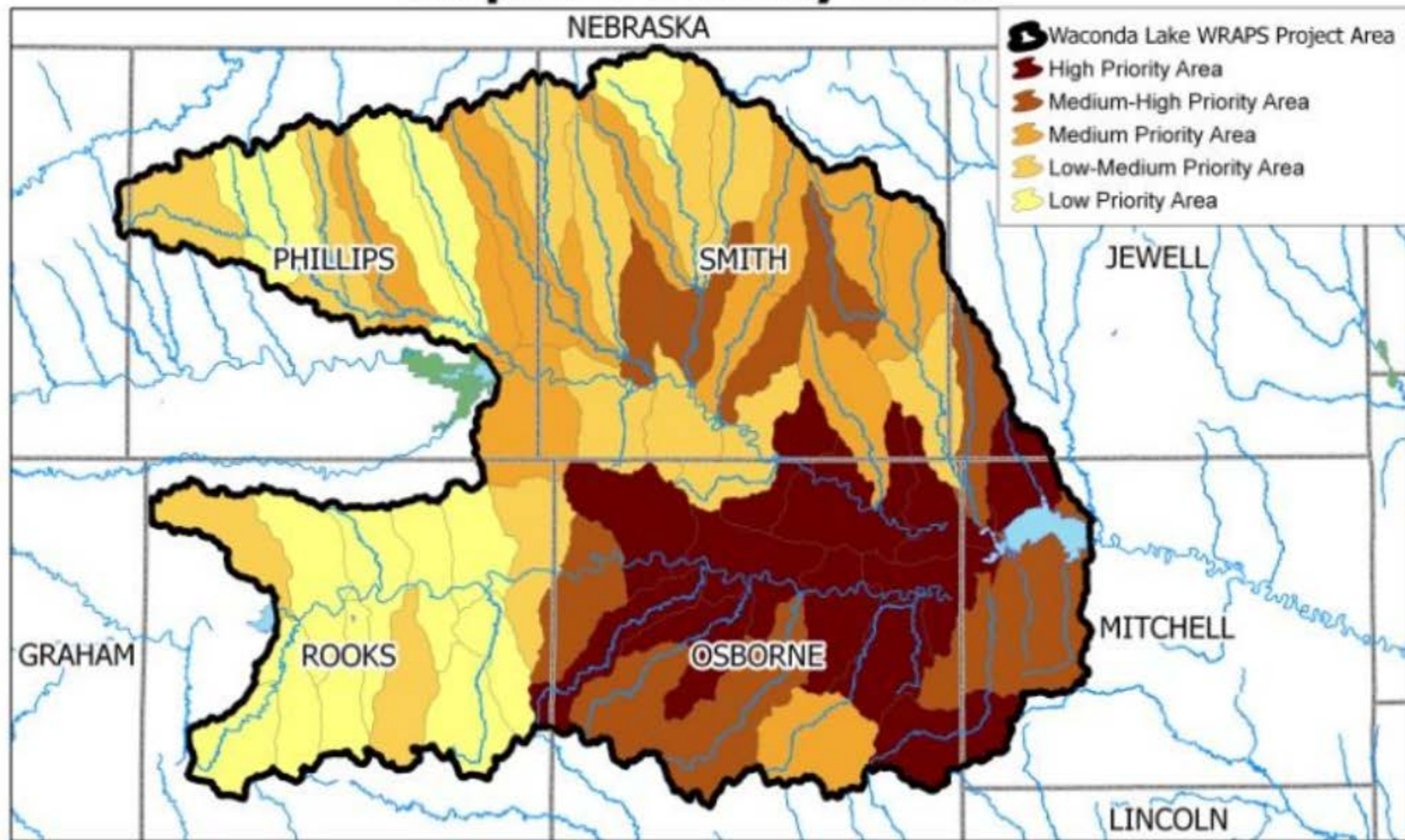


# Waconda Lake Drainage Area



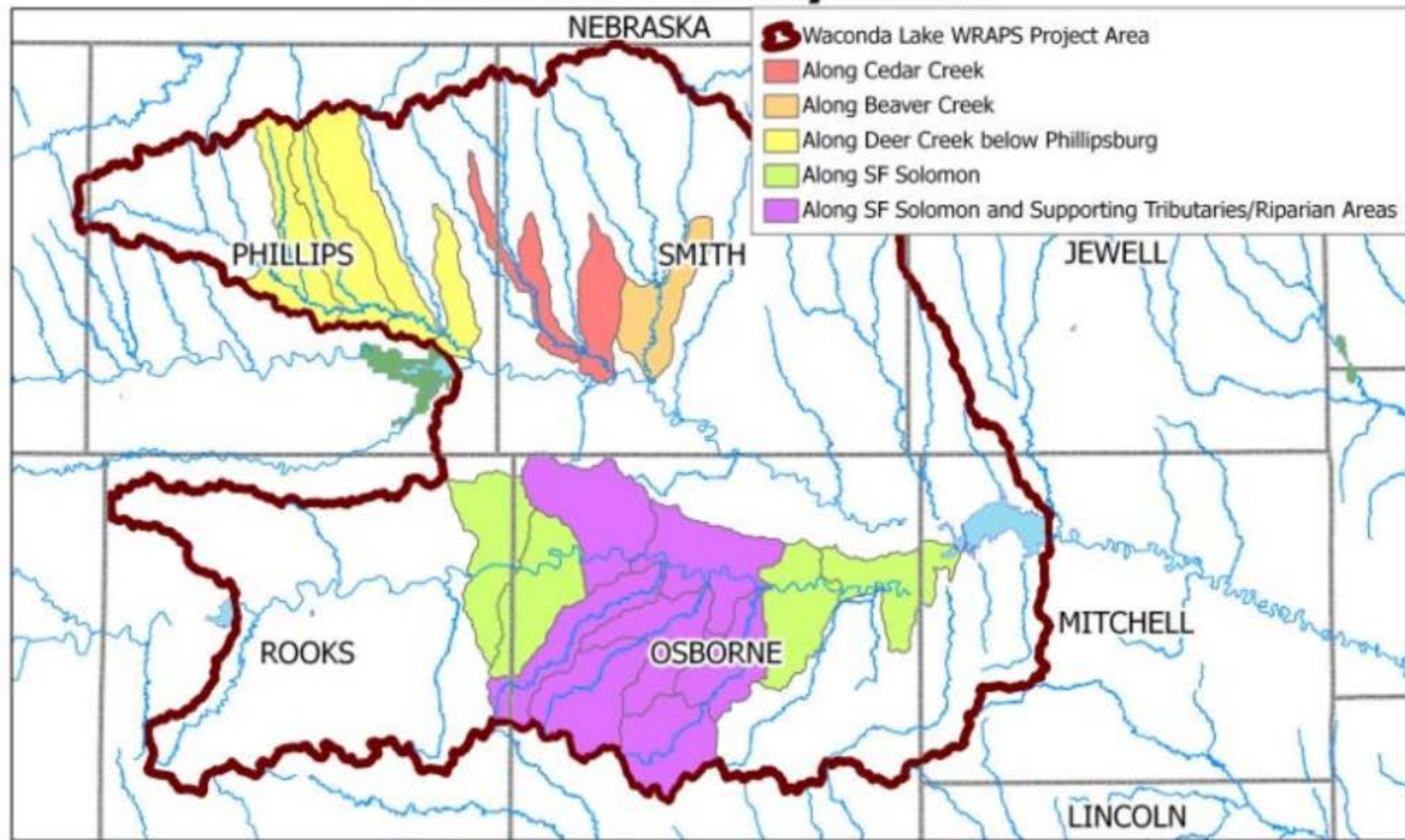


# Cropland Priority Areas



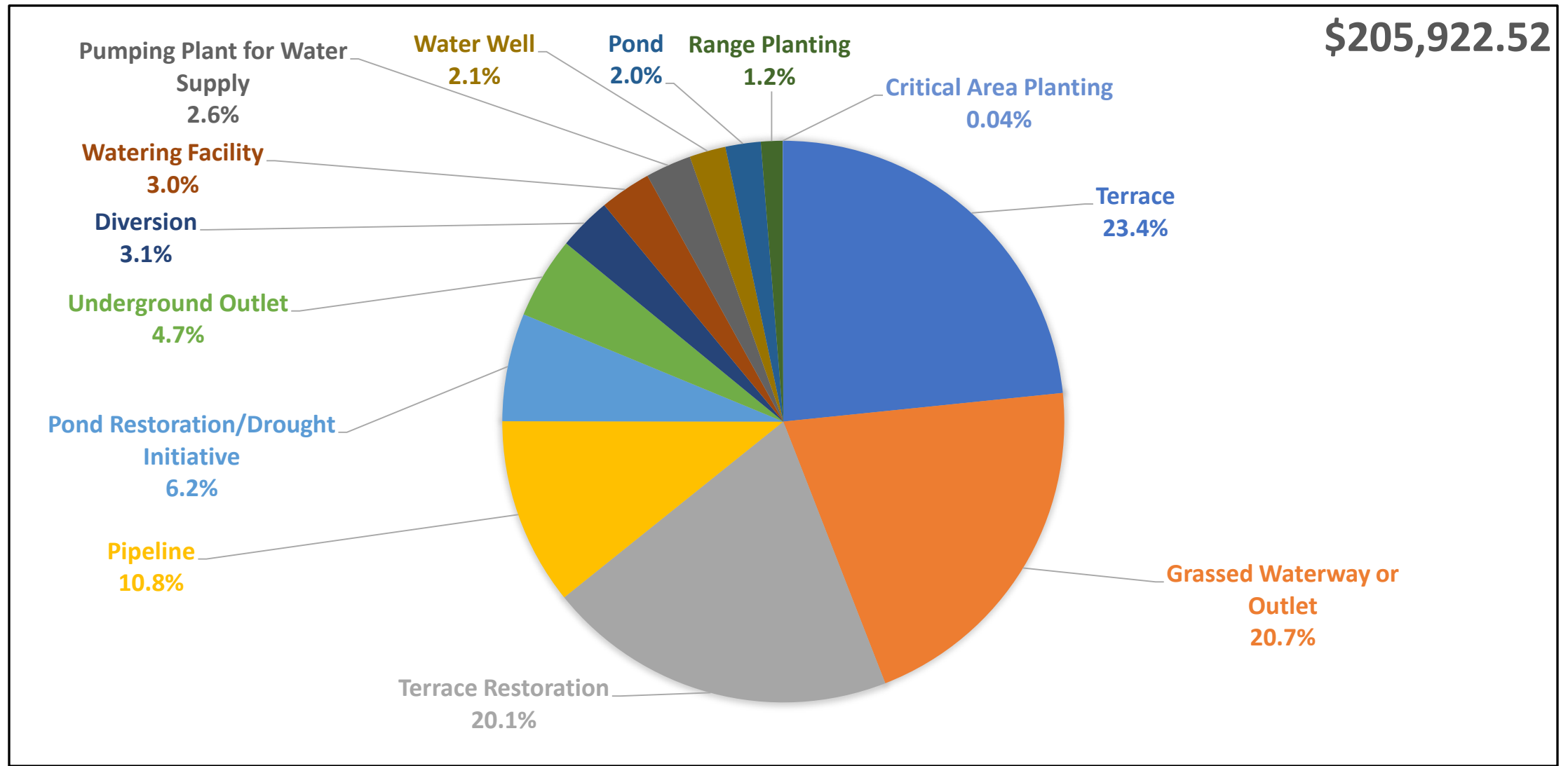


# Bacteria Priority Areas

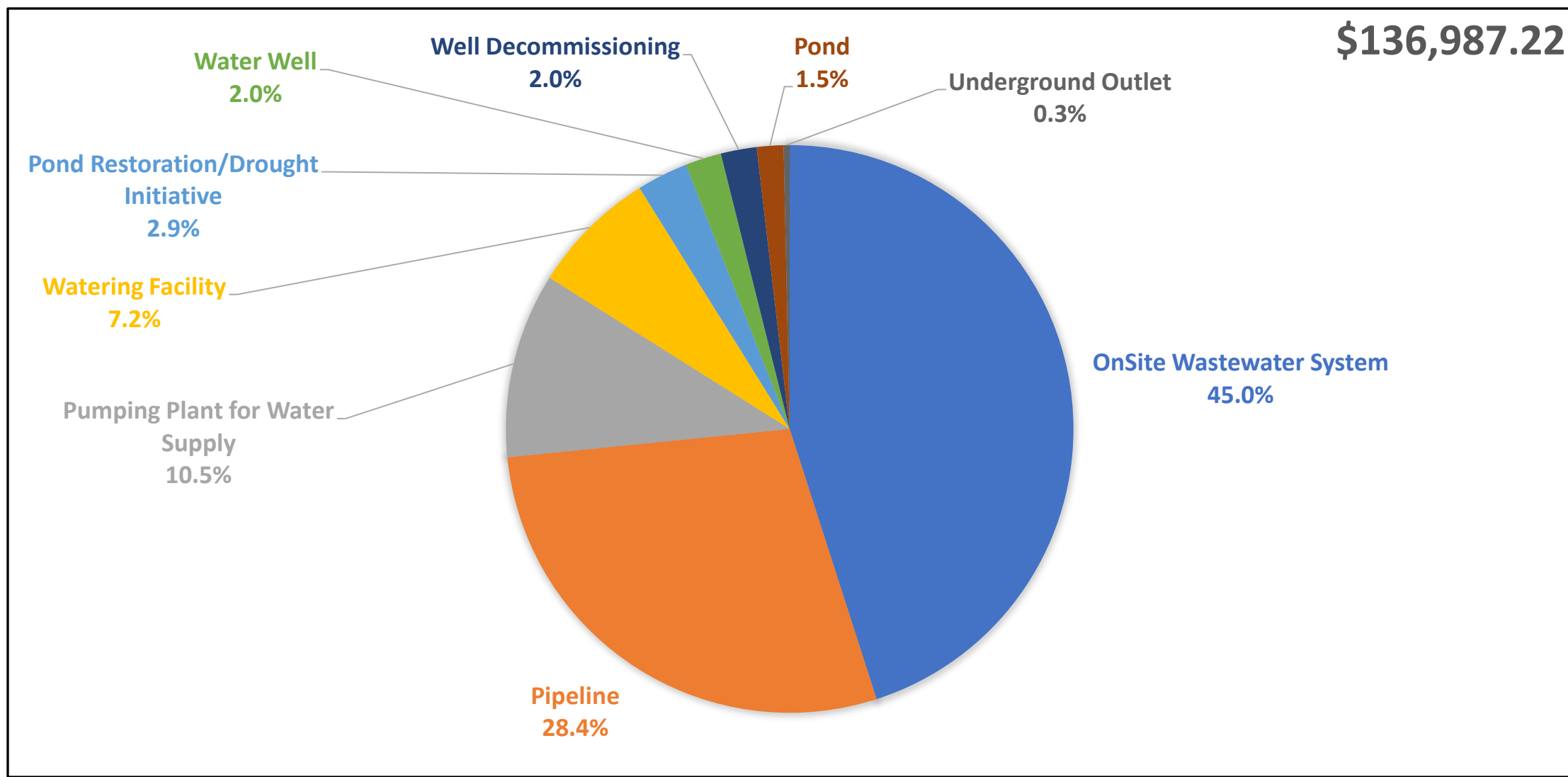




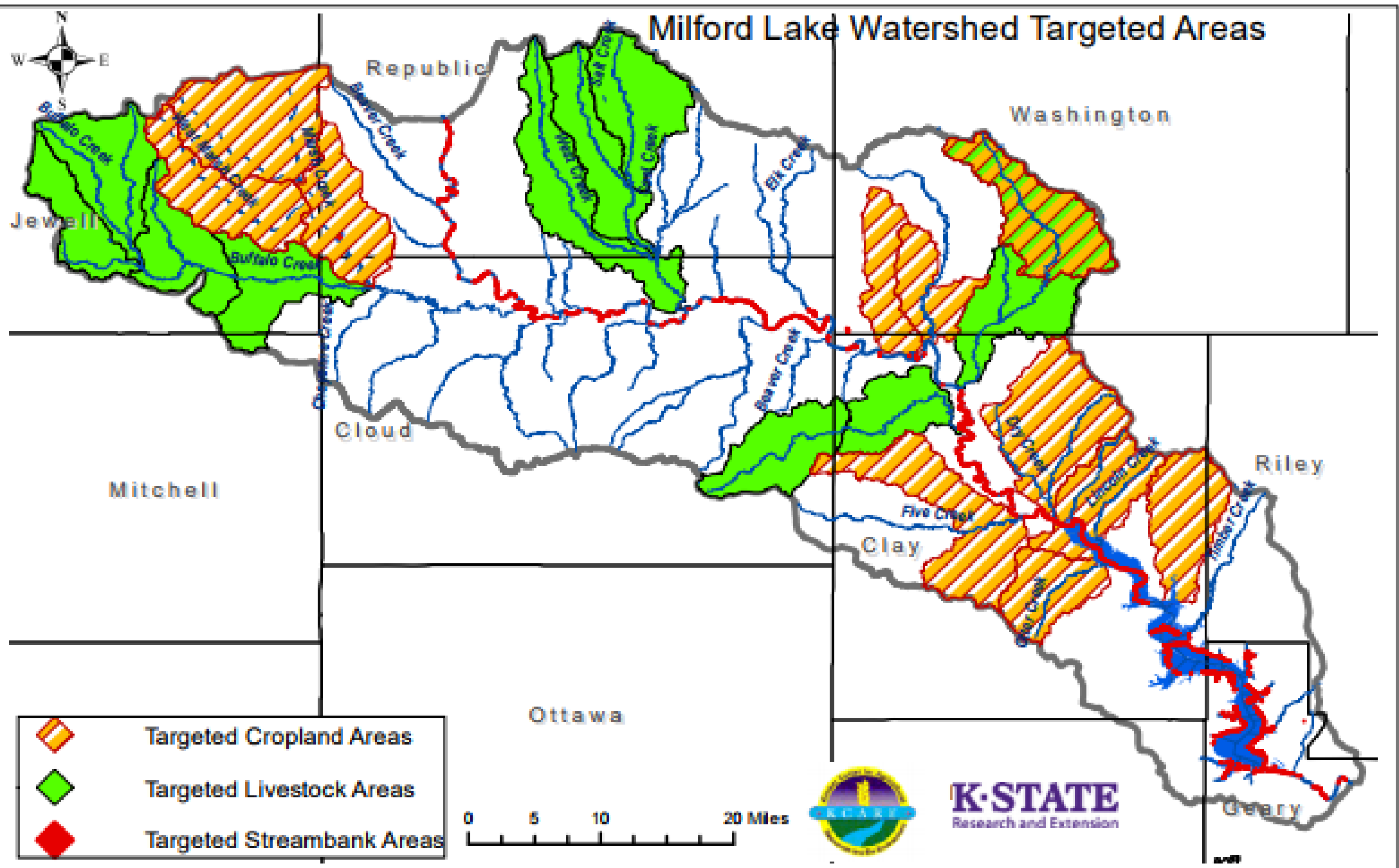
# DOC Water Resources Cost-Share Program in the Waconda Lake Drainage Area FY 2013 thru FY 2017



# DOC Non-Point Source Pollution Control Program Cost-Share in the Waconda Lake Drainage Area FY 2013 thru FY 2017



# Milford Lake Watershed Targeted Areas





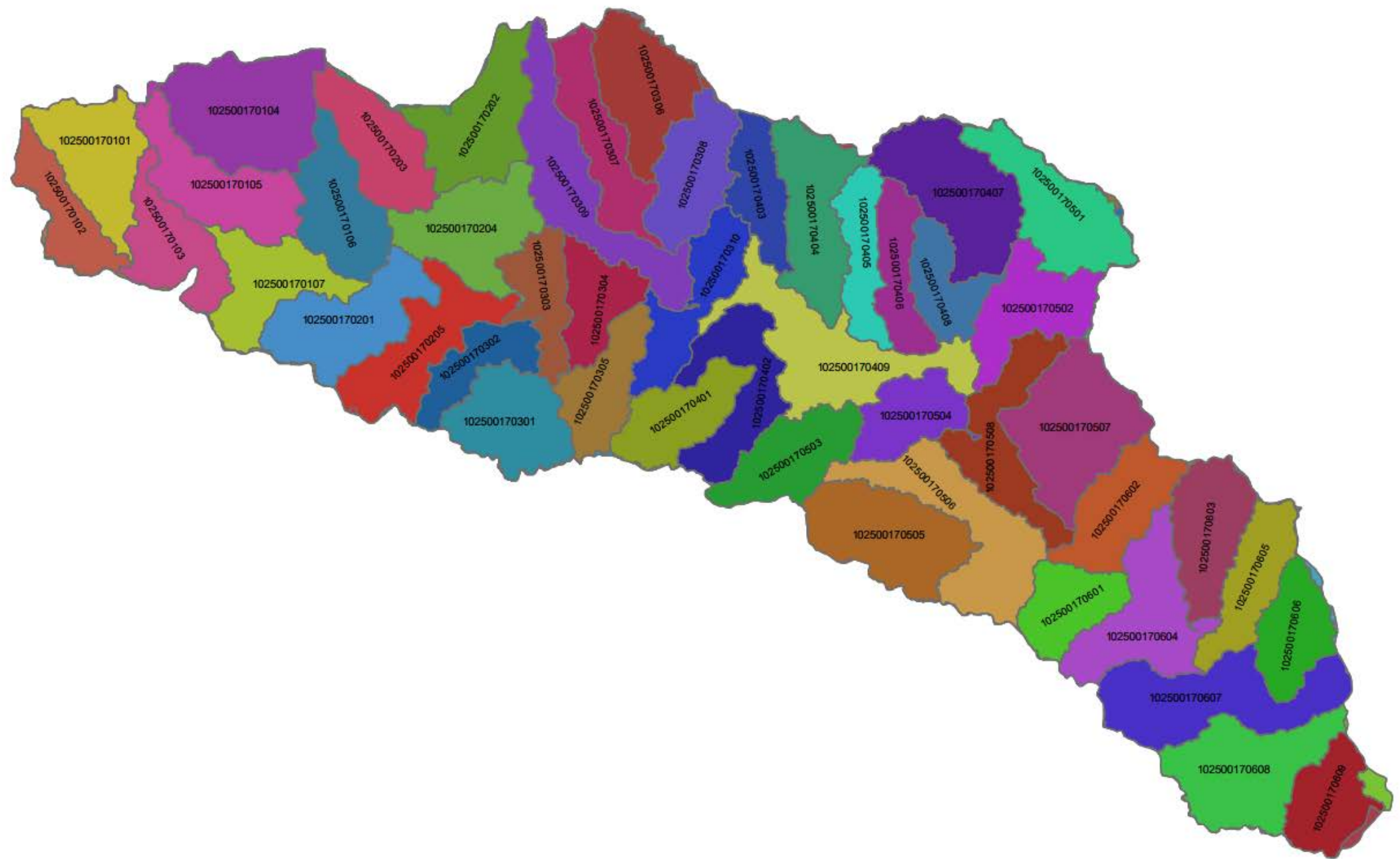
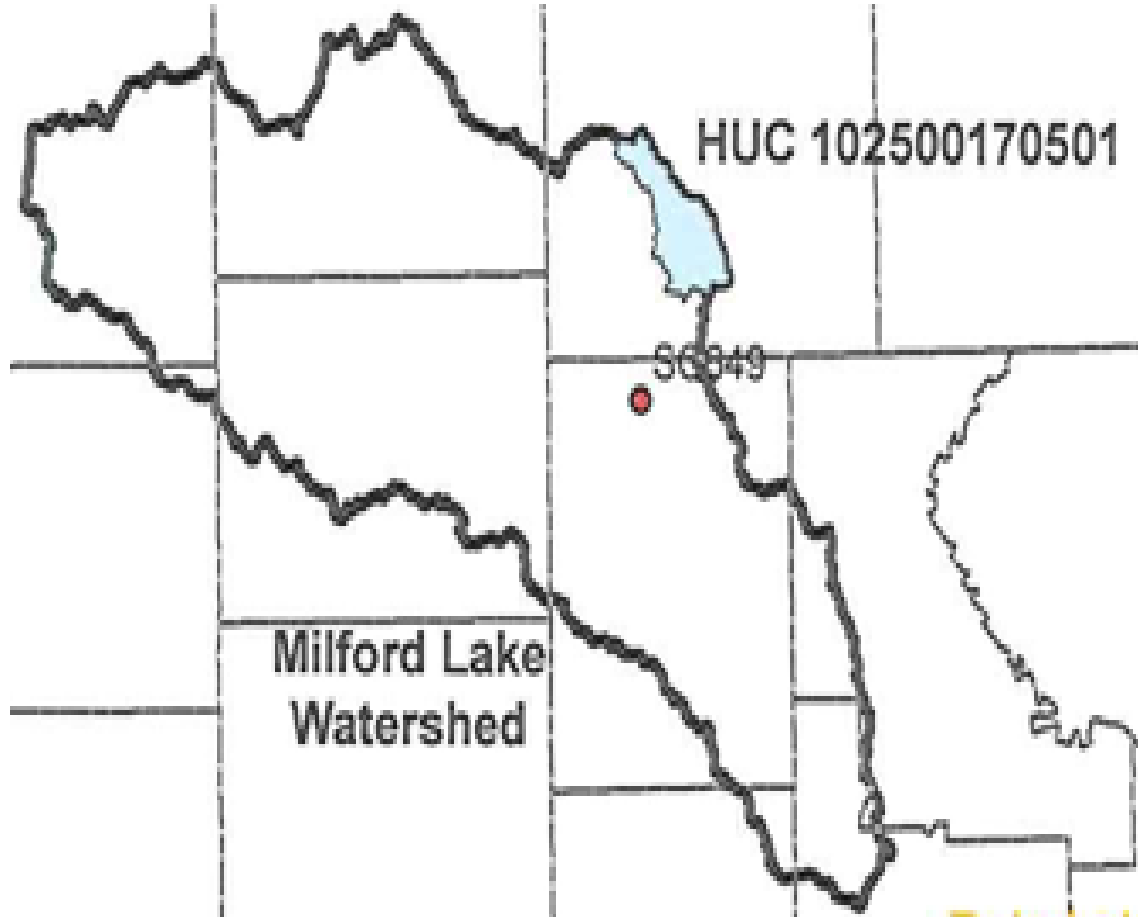


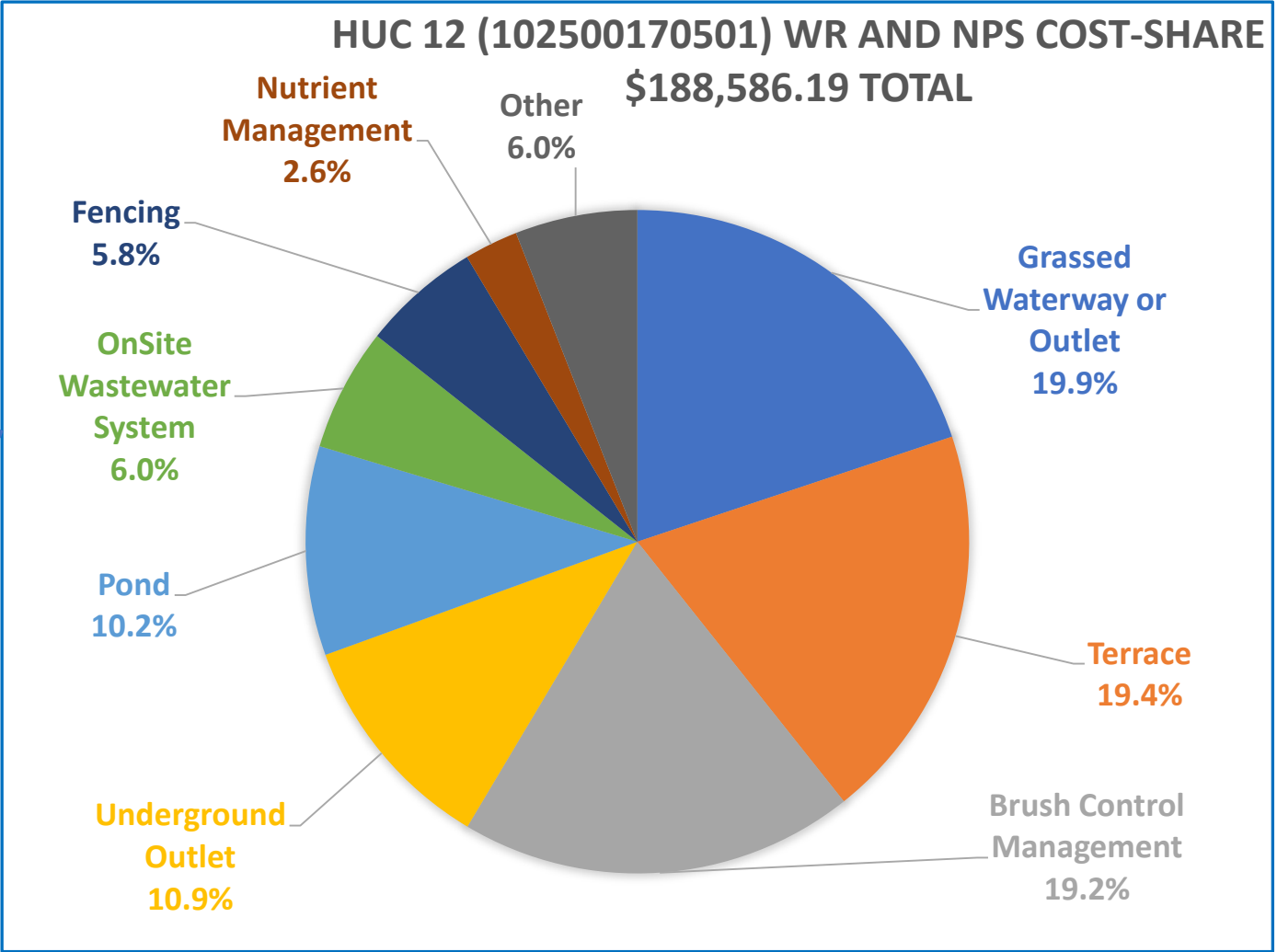
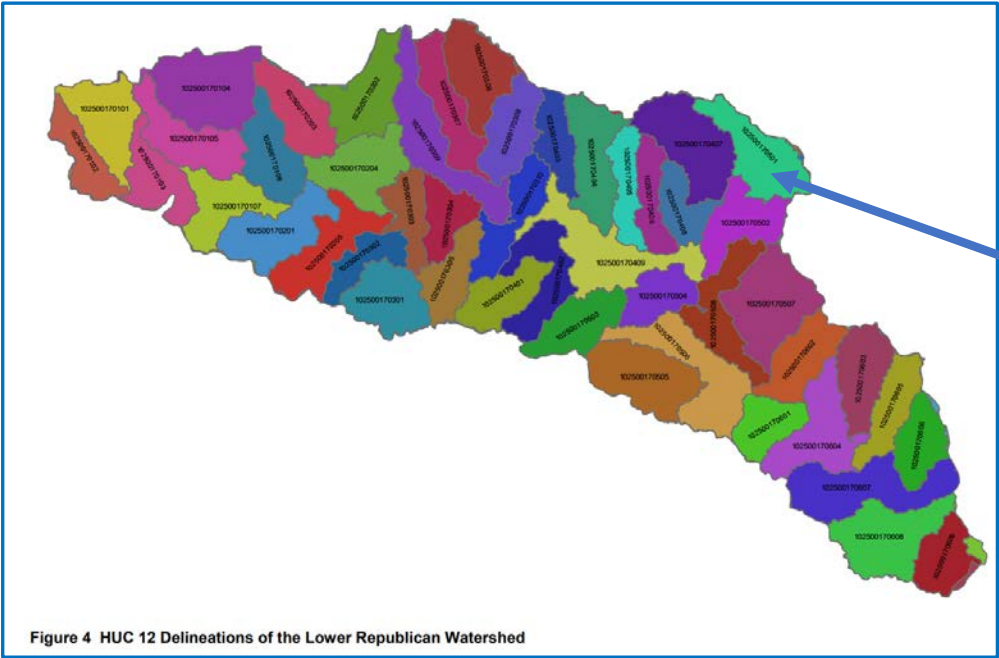
Figure 4 HUC 12 Delineations of the Lower Republican Watershed

# Targeted TMDL Funding for NPS and WR Cost-Share Programs



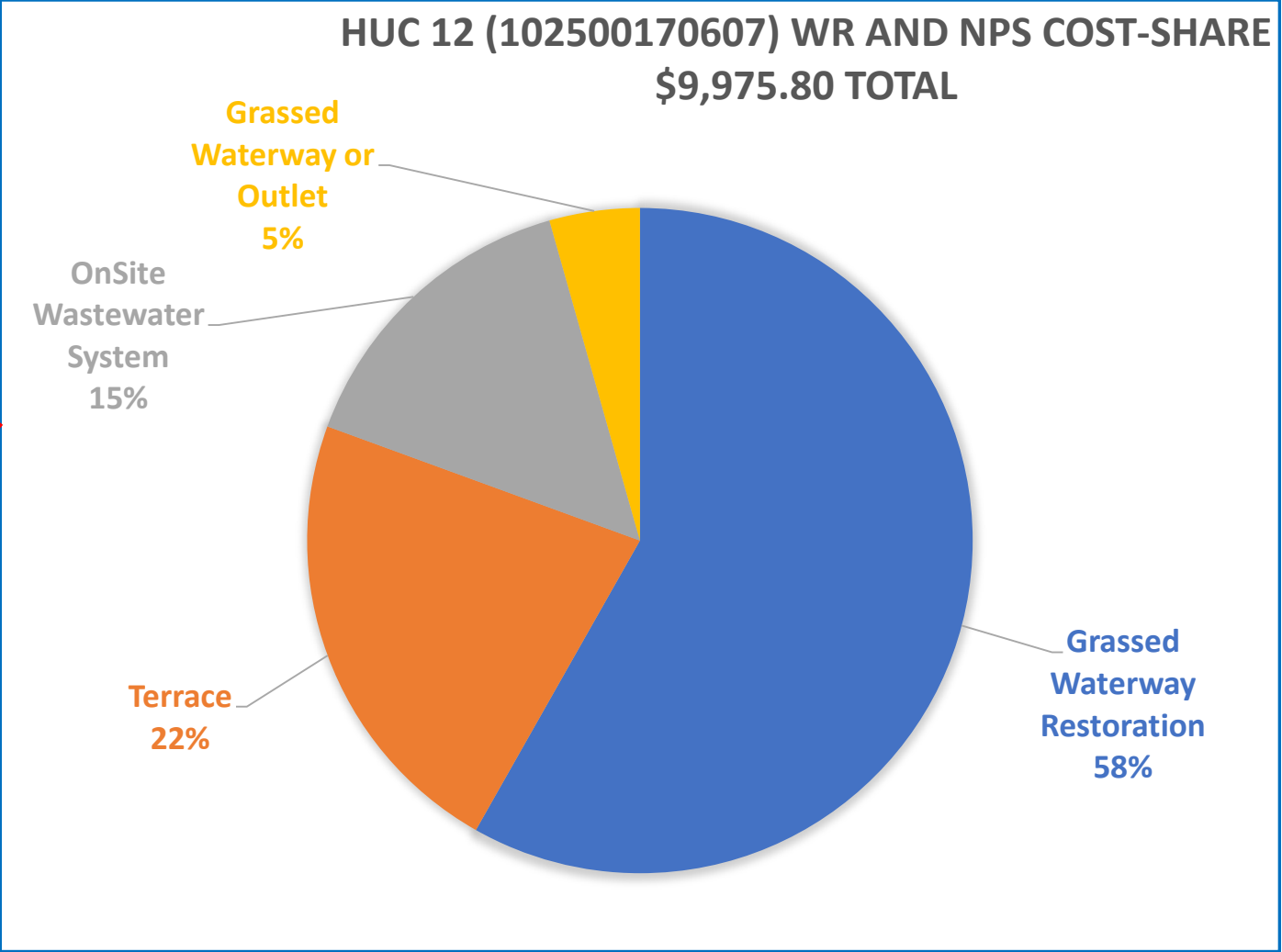
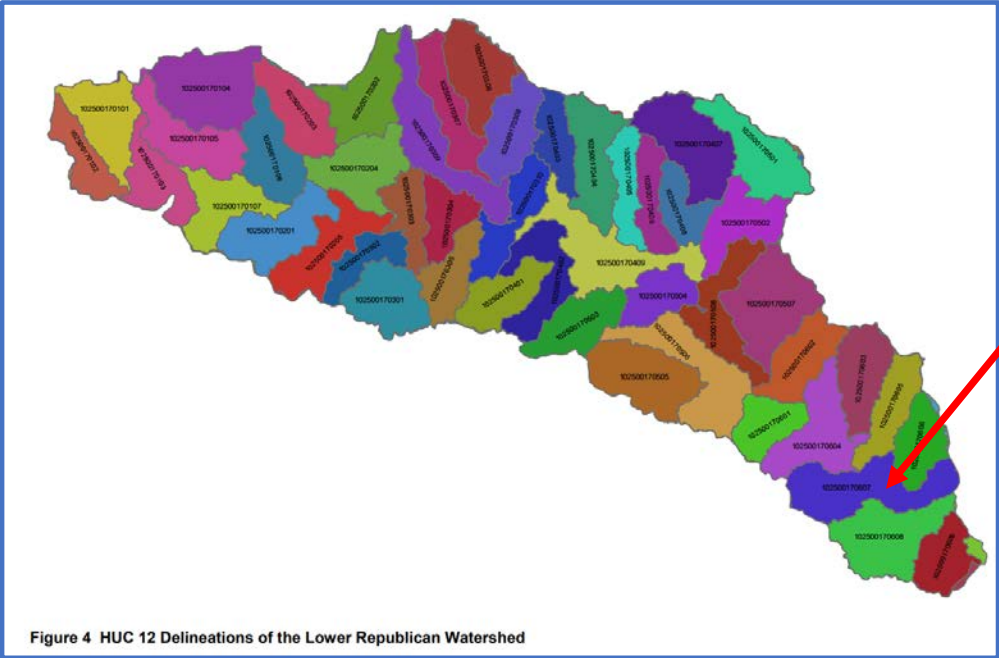
- Targeting of TMDL funds began in FY 2014
- Sites selected in consultation with KDHE
- Sampling sites located below selected HUC 12 Watersheds

# Looking at 5 years of State Cost-Share in One High Priority 9 Element Plan HUC 12 Watershed FY 2013 thru FY 2017





# Looking at 5 years of State Cost-Share in One Lower Priority 9 Element Plan HUC 12 Watershed FY 2013 thru FY 2017



# Soil Health Education Funds

- Funds will be available again in FY 2019
  - Workshops, Field Days
  - Educational materials, cover crop seed etc.
  - Cover Crop and Grazing Management
  - \$2,500 limit per application for workshop
- No-till on the Plains Winter Conference registration fees
  - CD Supervisors
  - Landowner, operator first time attendees

# Soil Health Workshop

Monday, January 22, 2018; 9:30 a.m. - 3:15 p.m.

Family Life Center - Evangel United Methodist Church, 227 Pennsylvania Ave, Holton, KS



Kris Nichols is a world-renowned leader in the movement to regenerate soils for healthy food, people and a planet by reducing greenhouse gas emissions from agricultural production, sequestering carbon in soil, and providing abundant and nutritious food.

Her current focus is to address current and future agricultural needs by exploring the similarities between the soil and gut microbomes.

At the workshop she will be discussing farm management impacts on soil biology for soil regeneration to build resilience and improve nutrient density.



Lance Gunderson, is the Director of Soil Health and New Test Development at Ward Laboratories in Kearney, NE.

Lance will explain what the Haney test is and what we can learn from it. He will introduce the different components of the test along with how producers can use some of these measures to help make impactful management decisions of their farms.



Jimmy Emmons is from Leedey, Oklahoma. He and his wife, Ginger, operate a third-generation family farm. They have a 2,000 acre diverse operation that includes wheat, soybeans, cover crops, irrigated dairy alfalfa hay, wheat-corn rotation and a cow-calf operation. They started no-till about 15 years ago and are doing on farm research of cover crops. He serves on the Dewey County Conservation Dist. Board since 2007 and serves on the board of the Oklahoma Association of Conservation Districts.

## Agenda:

9:00 a.m. Doors Open - Coffee and Refreshments

9:30 a.m. Kris Nichols "Soil Biology Regenerates Soil to Improve Resilience and Human Health"

10:30 a.m. Jimmy Emmons - No-till, Cover Crops, and Companion Systems.

11:30 a.m. - Lunch (Free—Need to make meal reservation by January 17, 2018.)

12:15 p.m. - Lance Gunderson - The Haney Test: What is it and what can we learn?

1:15 p.m. - Kris Nichols - Continued

2:15 p.m. - Jimmy Emmons - Grazing and why we need animals in the system.

In order to know how much food to prepare, please call for your seating and meal reservation (785)364-3329, ext. 136. by January 17, 2018.

Sponsors include: Jackson County Conservation District, SARE (Sustainable Agriculture Research and Education), Arbor Seeding - Shane New, KDA-DOC. "Funding provided by the KDA-DOC through appropriation from the Kansas Water Plan."

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## Cover Crop Field Day

November 29, 2017 -

9:30 a.m. - Noon

Henry Hill and Kurt Kathrens'  
Cropland Fields—254th & S Rd,  
Holton, KS

3 Miles North of Holton to 254th  
Road, East to S Road

Noon Lunch at El Milagro, Holton

### Featured Speakers:

Dr. Deann Presley, KSU

David Hallauer, Meadowlark Extension District

Jamie Johnson, NRCS DC

Tyler Warner, KDW&P

Producers - Henry Hill and Kurt Kathrens

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### Topics Covered:

Benefits of planting cover crops

Selecting a Cover Crop - Midwest Cover Crop  
Council

Grazing Management on cover crops

Life in the Soil—Build Organic Matter  
Infiltration

Programs Available to fund cover crops

Cover Crops in Brome - Wildlife Benefits

Questions? Call (785)364-3329, ext. 136 - Roberta  
Spencer, Jackson County Conservation District

### Sponsored by:

Jackson County Conservation District

K-State Research & Extension

Meadowlark Extension District

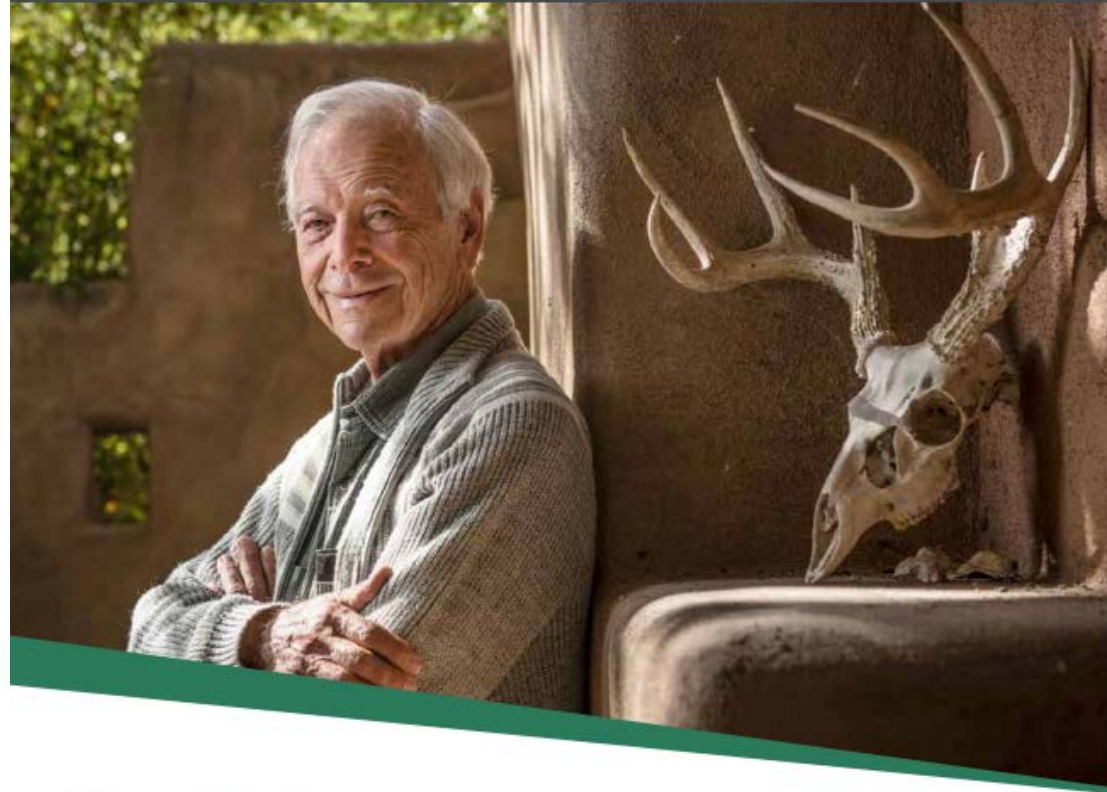
Natural Resource Conservation Service

KDA-DOC "Funding provided by the KDA-  
DOC through appropriation from the Kan-  
sas Water Plan."

"The U.S. Department of Agriculture is an equal opportunity  
employer and provider."



Grazing After Frost



*Save the Date*

**22<sup>ND</sup> ANNUAL** JAN. 30-31, 2018  
**WINTER CONFERENCE**

**NEW LOCATION:** Hyatt Regency and Century II, Wichita, KS

VISIT [NOTILL.ORG](http://NOTILL.ORG)  
for more details and  
to subscribe to our  
e-newsletter to be notified  
when registration opens

— FEATURING KEYNOTE SPEAKER —

**ALLAN SAVORY**  
FOUNDER AND PRESIDENT, SAVORY INSTITUTE

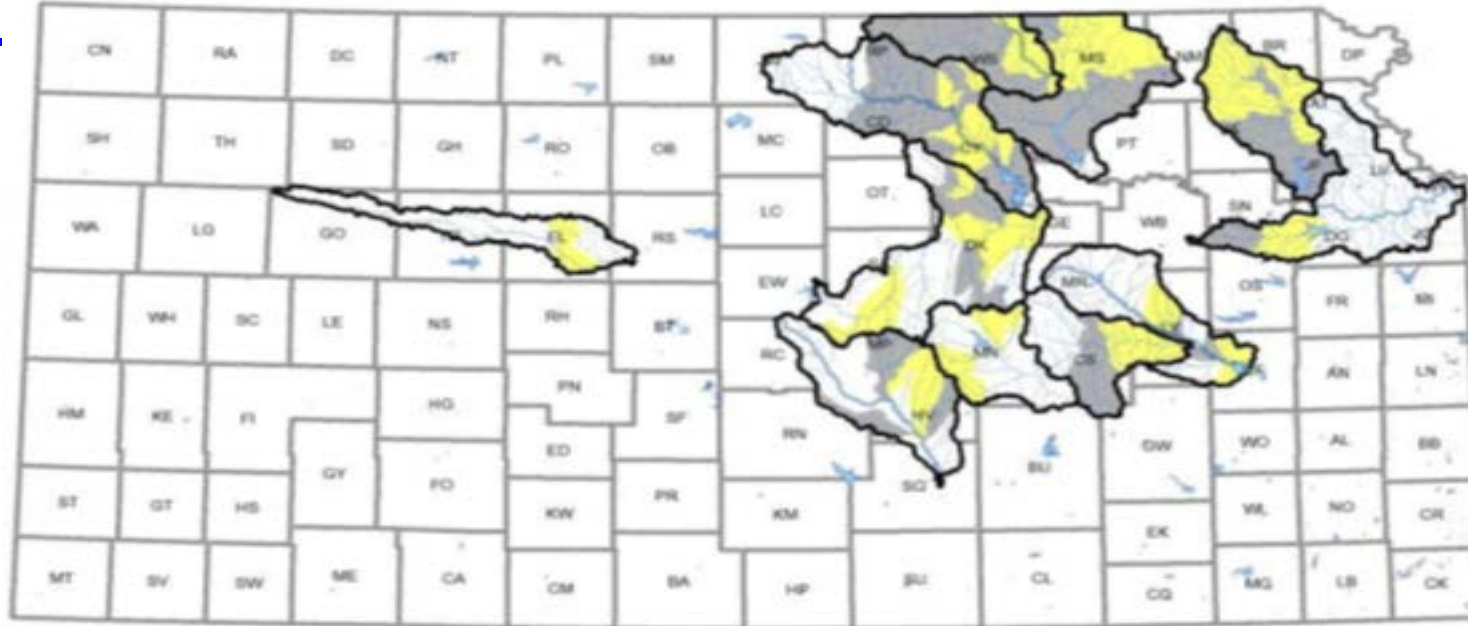
**ALSO FEATURING**  
JONATHAN LUNDGREN  
KRISTINE NICHOLS  
SARAH SINGLA  
JILL CLAPPERTON  
DEREK AXTEN

## **On the Horizon for the DOC:**

- **Unmet Needs report that will include load reduction estimates for all applications (WR and NPS)**
- **Increased training for Conservation District Boards (Ranking Worksheet Development, etc.)**
- **Sediment and Nutrient Reduction Initiative**



# Sediment and Nutrient Reduction Initiative



- Proposal to enroll up to 10,000 acres
- One time incentive payment (\$225 per acre in Tier 1; \$162.50 per acre in Tier 2)
- Potential practices could include (CP8-grassed waterways, CP21-filter strips, CP22-riparian buffer, etc.)

# Questions?



Steve Frost

Administrative Manager

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