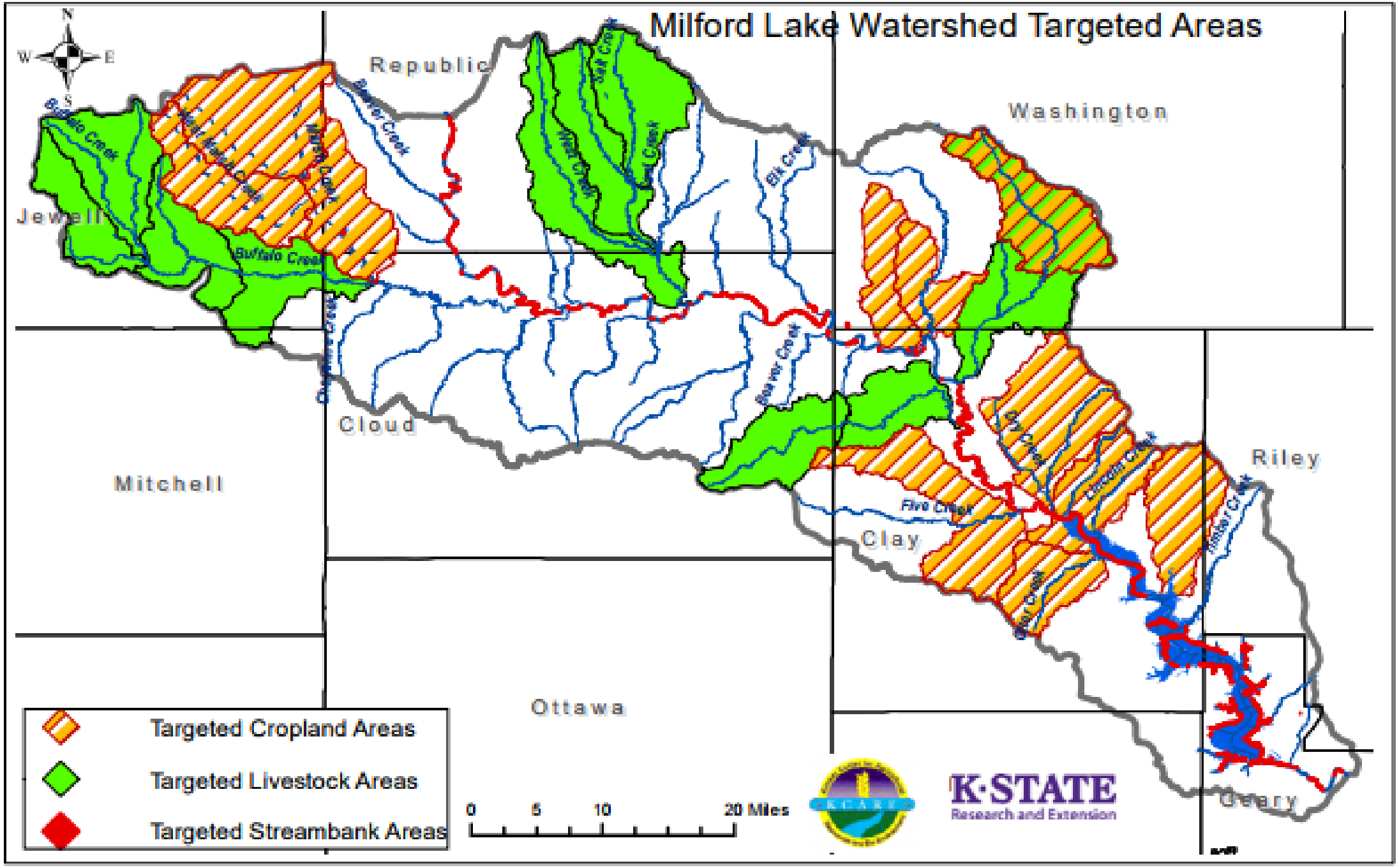
Kansas RAC Update

January 18, 2018

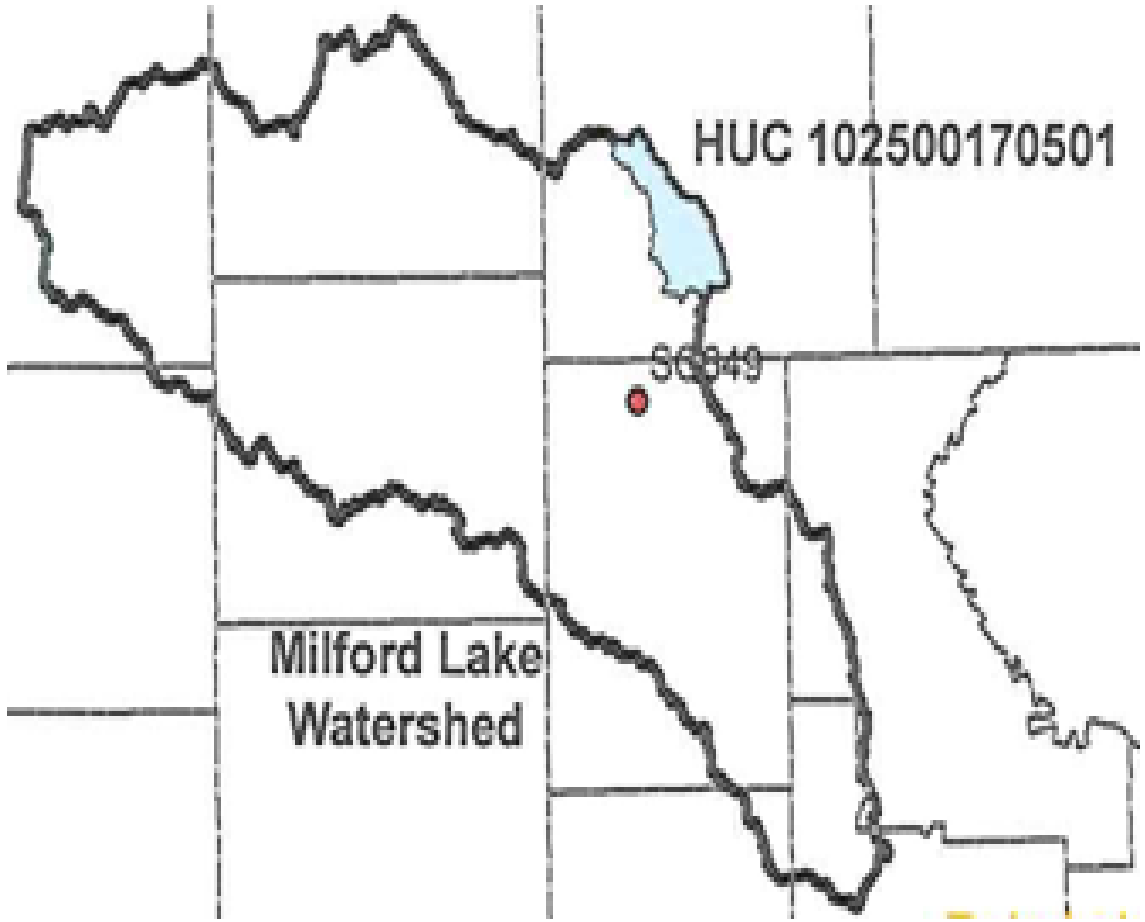
Rob Reschke, Executive Director

Kansas Department of Agriculture

Division of Conservation


Milford Lake Watershed Targeted Areas
N
W
E
S
Republic
Washington
Jewell
Cloud
Mitchell
Clay
Riley
Ottawa
Geary
Buffalo Creek
Beaver Creek
Elk Creek
Five Creek
Dry Creek
Lincoln Creek
Targeted Cropland Areas
Targeted Livestock Areas
Targeted Streambank Areas
0
5
10
20 Miles
K·STATE
Research and Extension

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

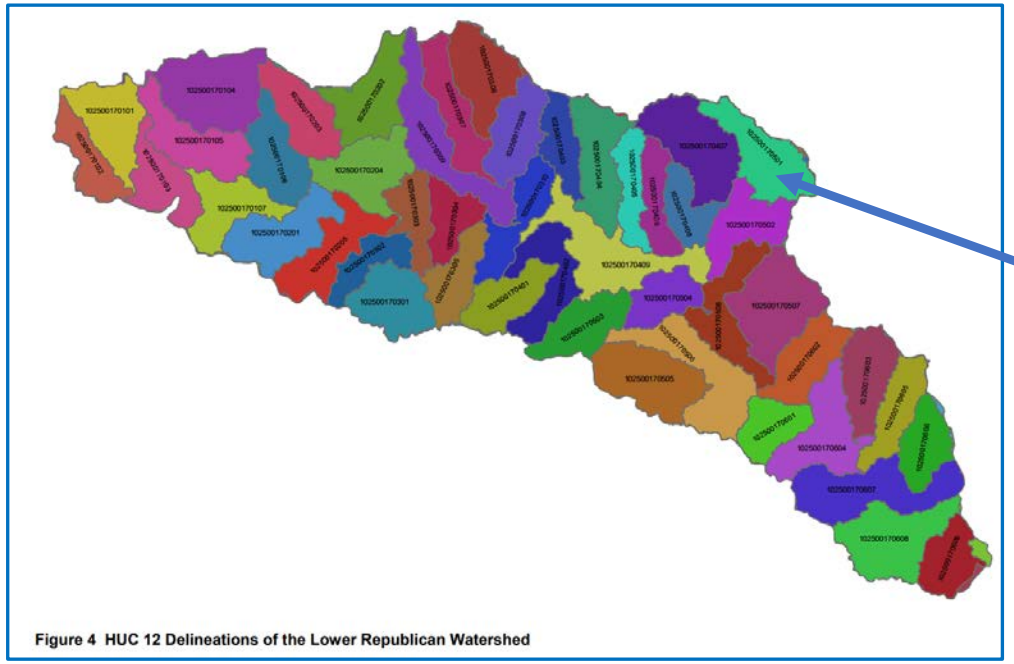
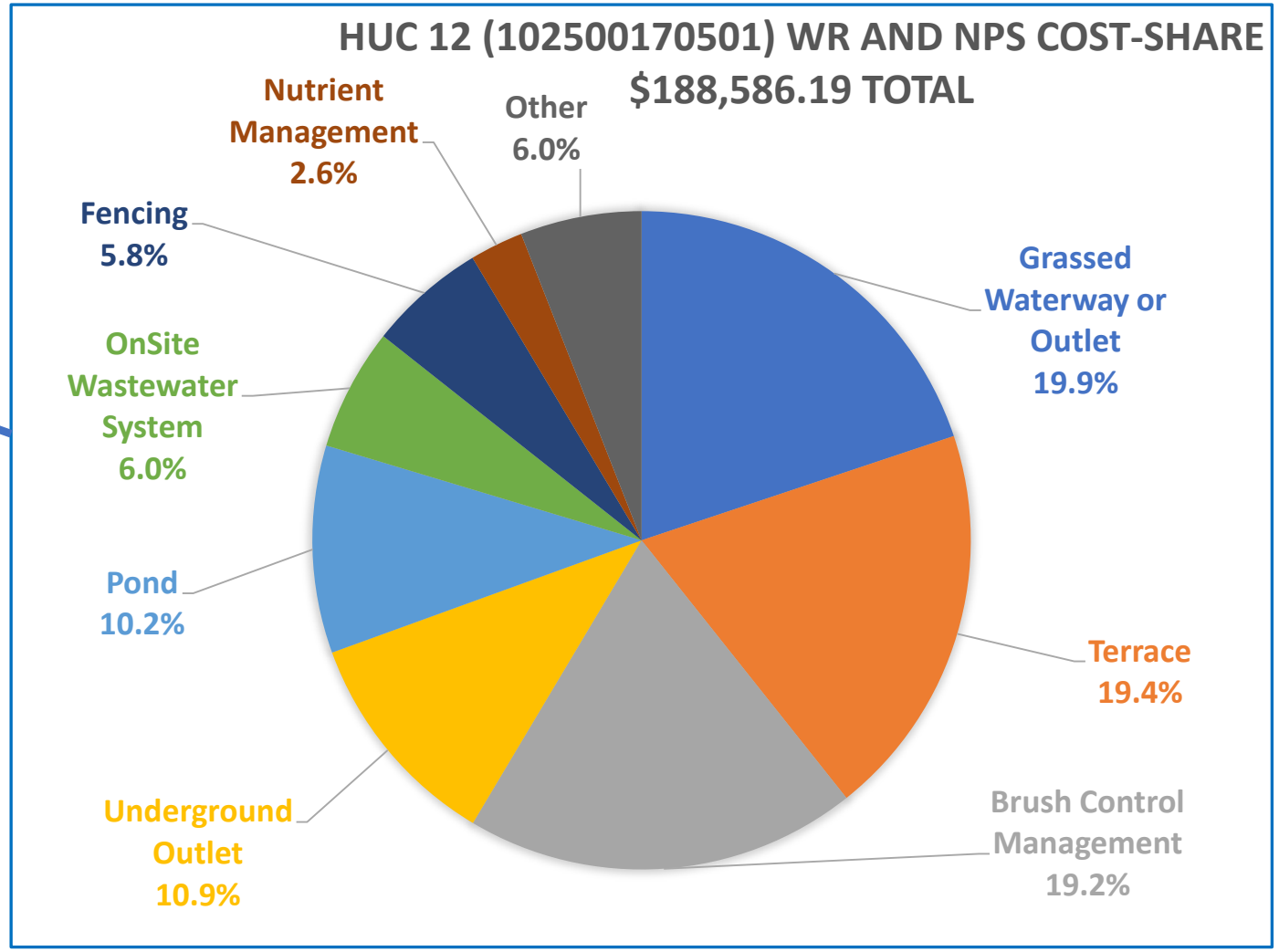


Figure 4 HUC 12 Delineations of the Lower Republican Watershed



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

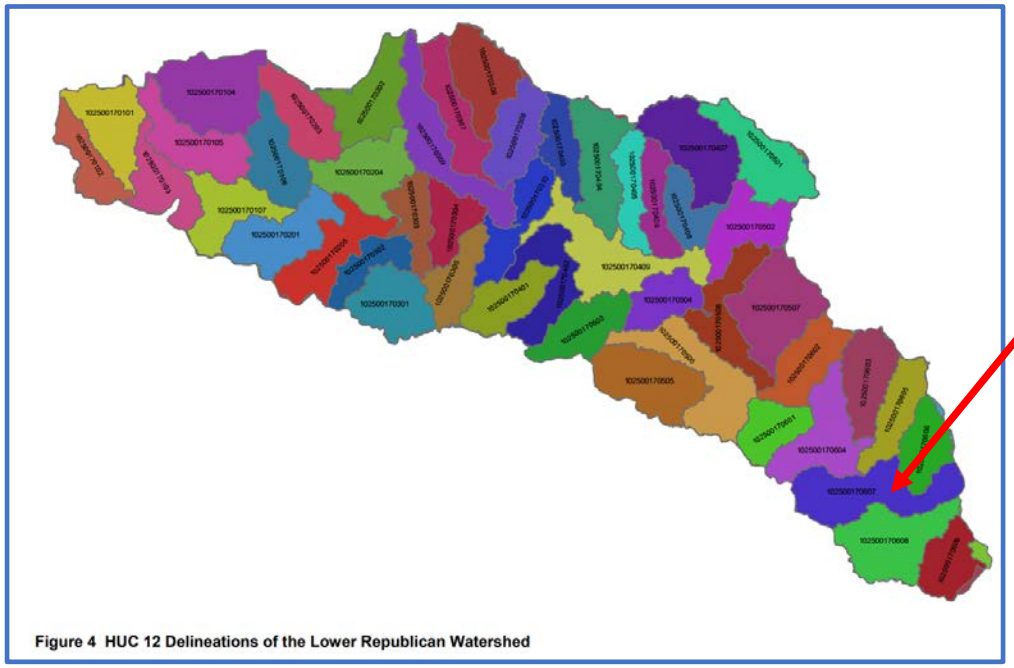
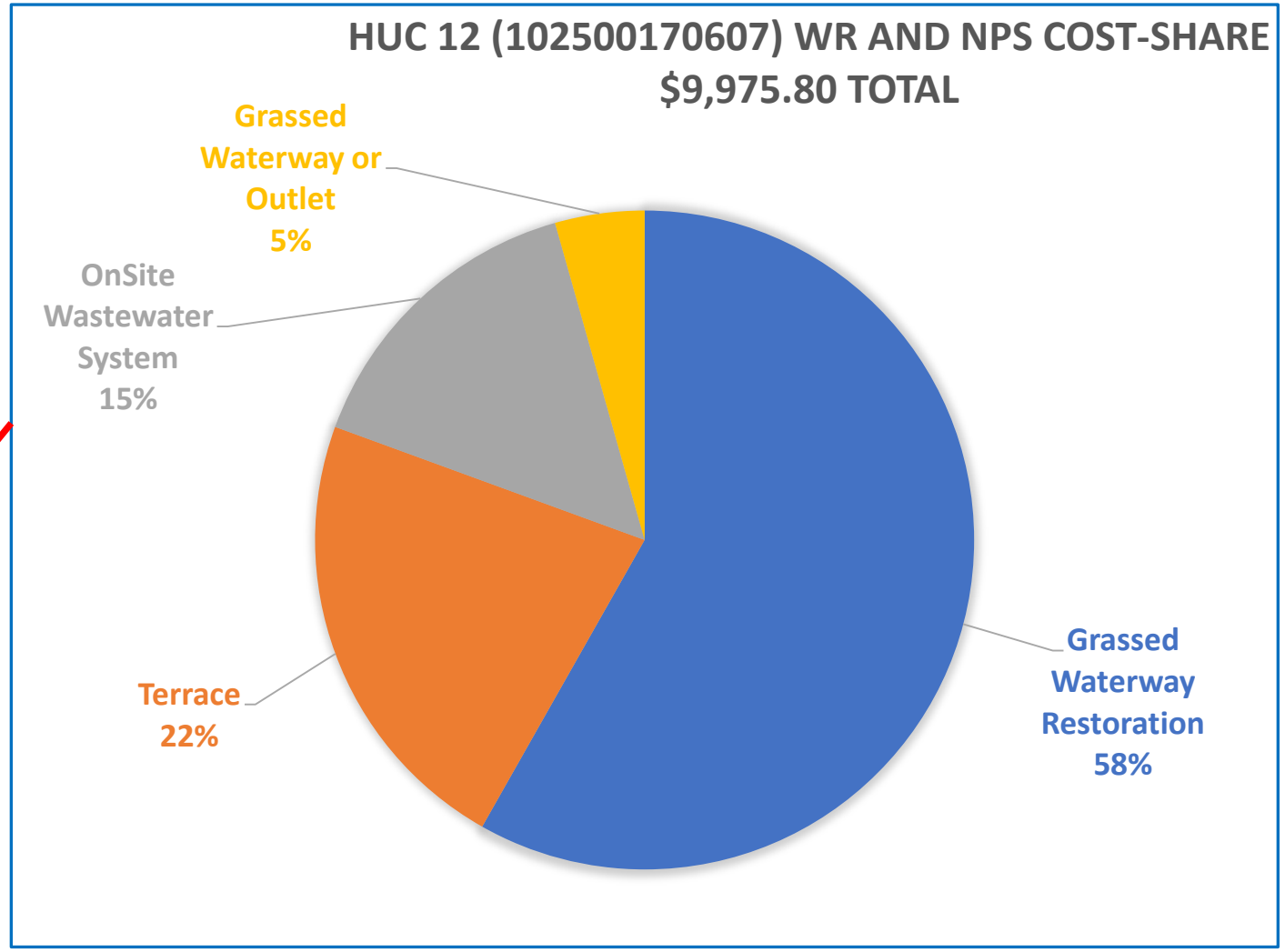


Figure 4 HUC 12 Delineations of the Lower Republican Watershed



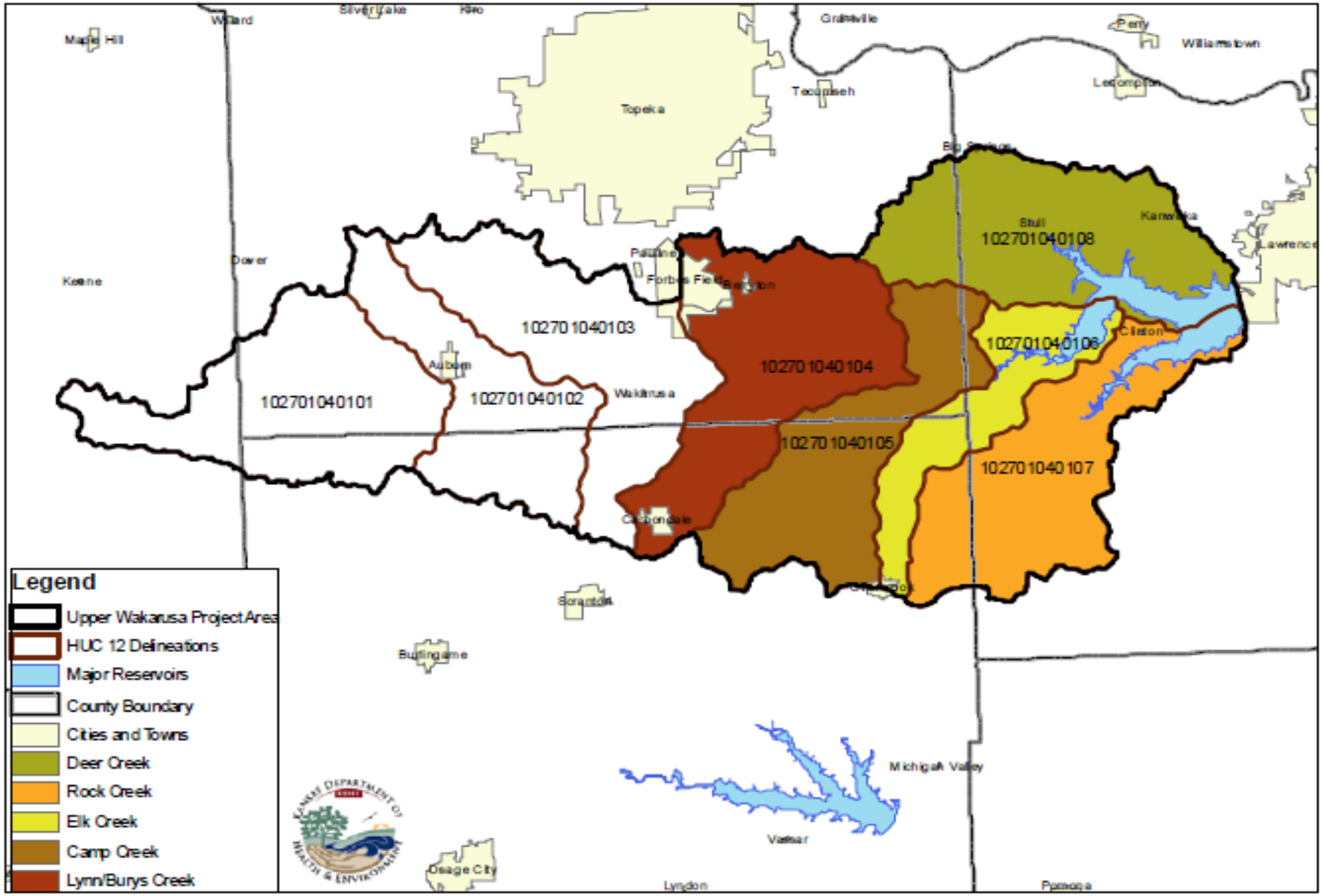
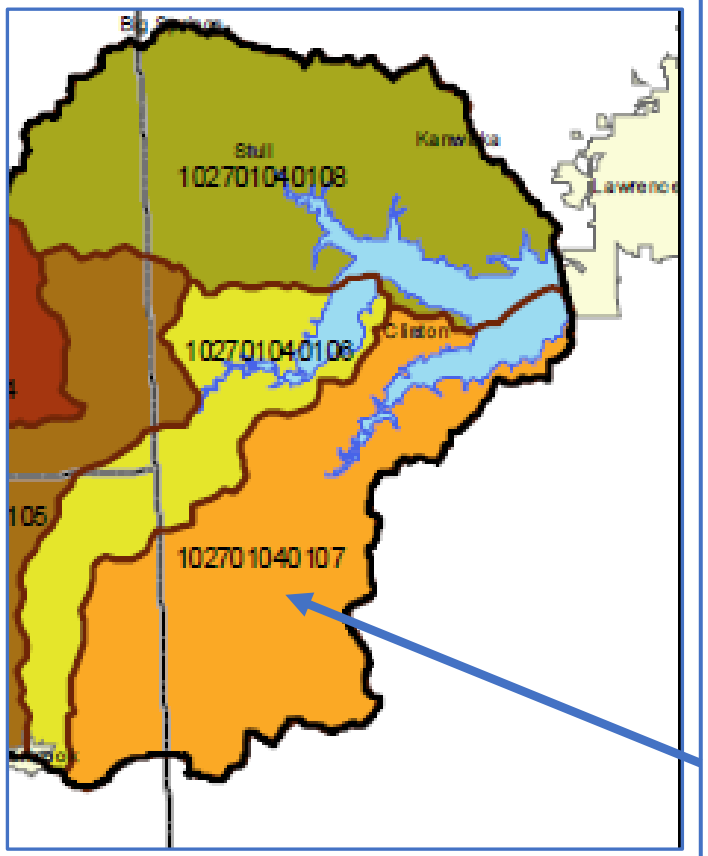
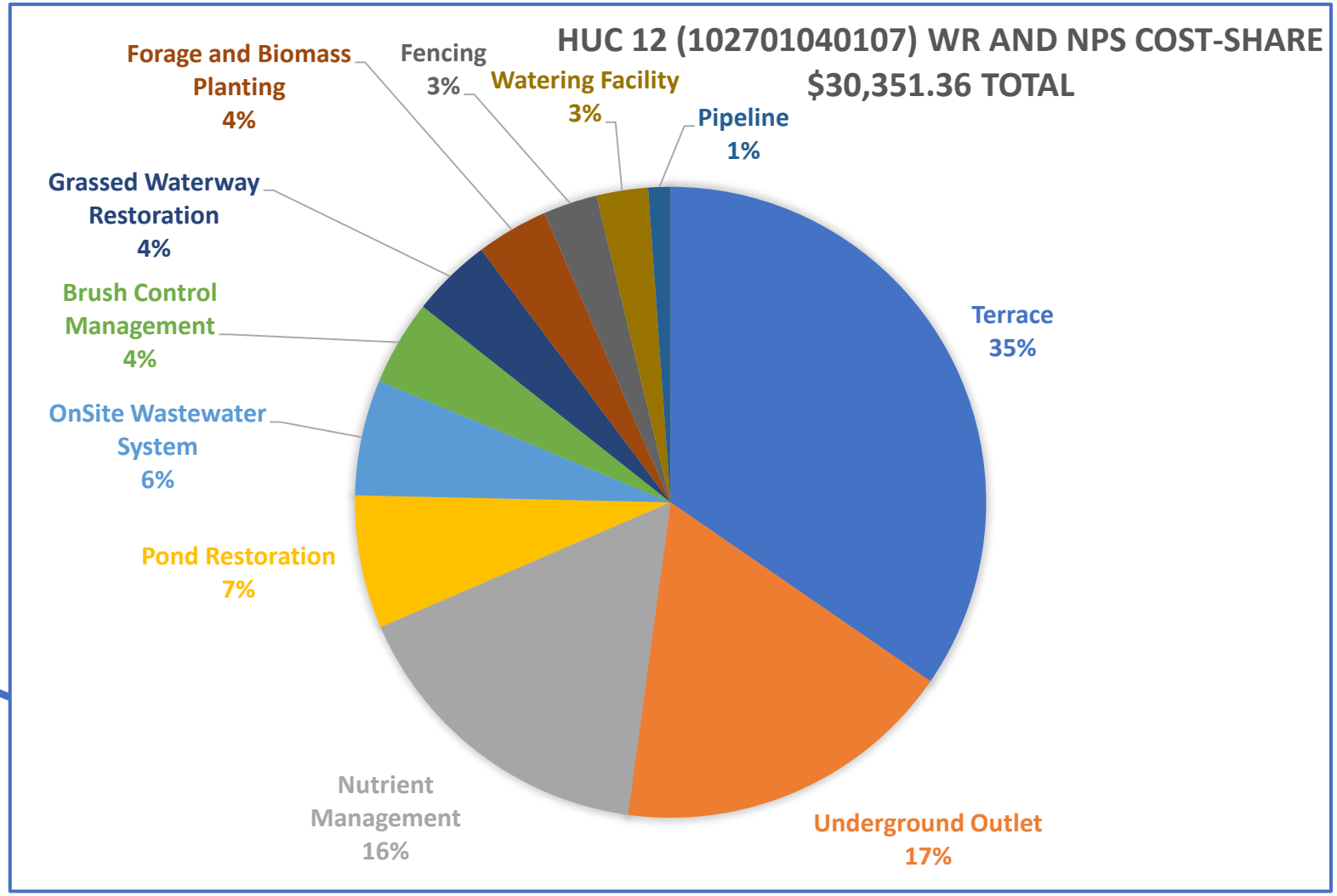


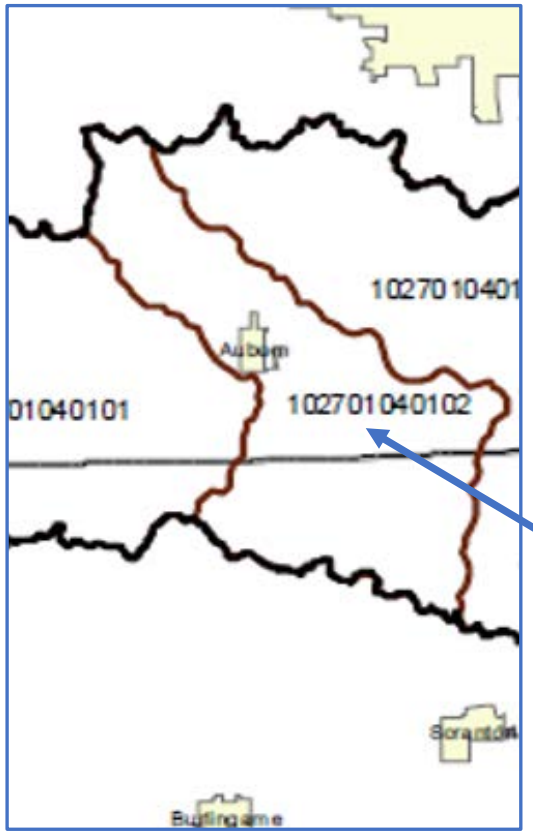
Figure 3.1. Priority subwatersheds in the Upper Wakarusa watershed.

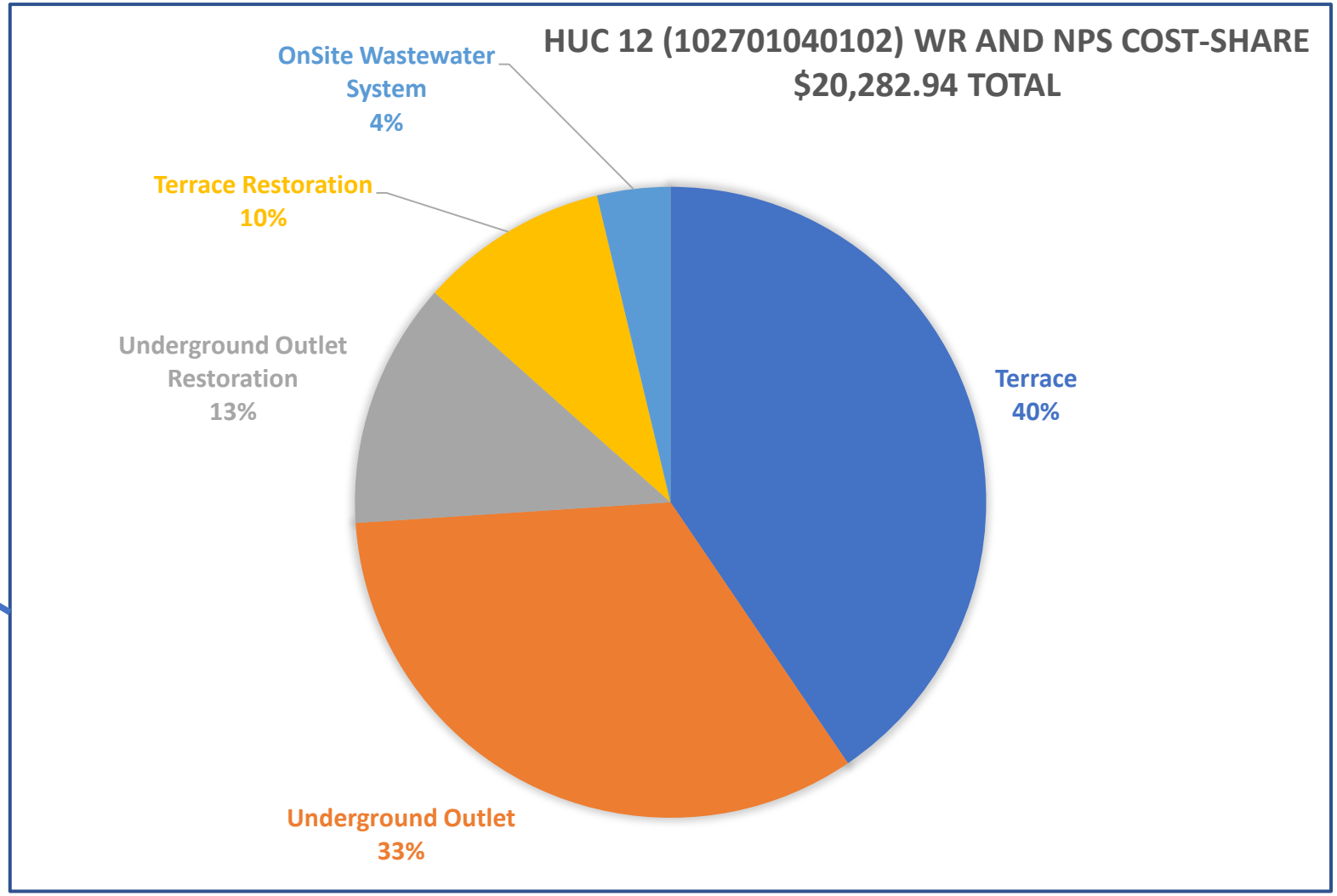
Looking at 5 years of State Cost-Share in One High Priority 9 Element Plan HUC 12 Watershed FY 2012 thru FY 2016





Looking at 5 years of State Cost-Share in One Lower Priority 9 Element Plan HUC 12 Watershed FY 2012 thru FY 2016





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 emmissions 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- canola 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."

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

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

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

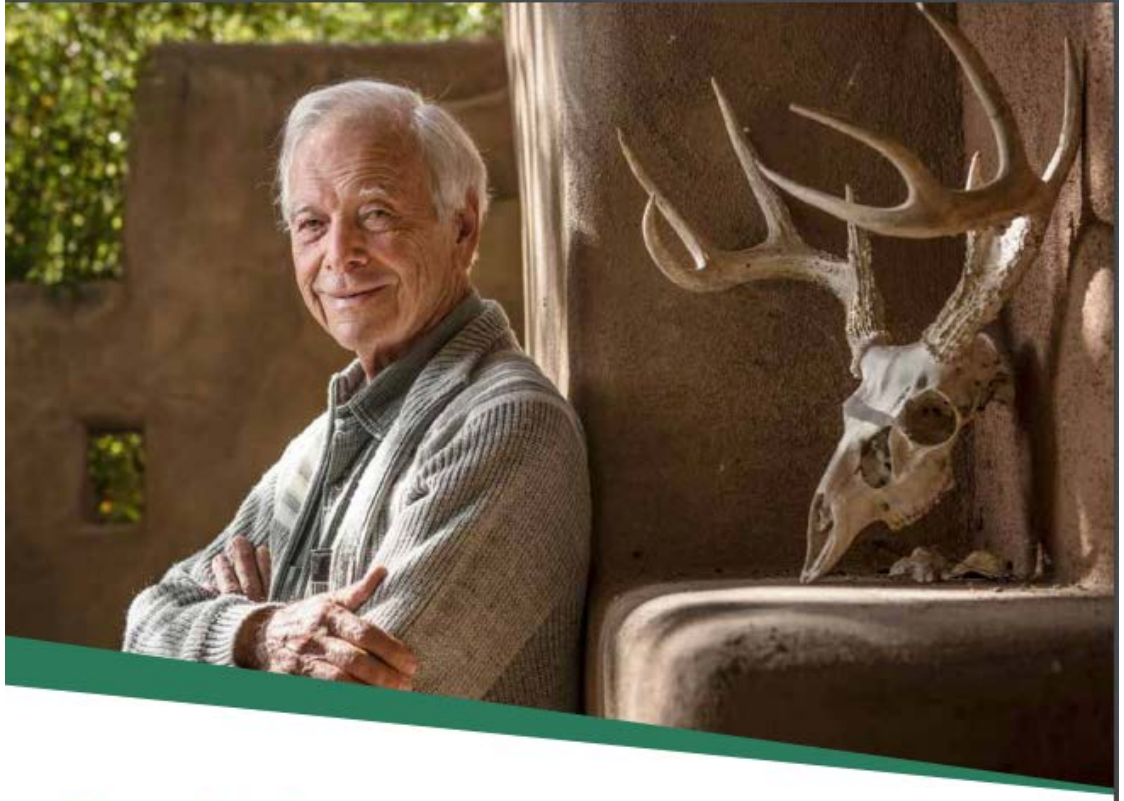
Meadowlark Extension District

Natural Resource Conservation Service

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

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

Grazing After Frost



Save the Date

22ND ANNUAL WINTER CONFERENCE

JAN. 30-31, 2018

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

VISIT 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

Conservation Districts in the Kansas RAC that have websites, newsletters, etc.

Atchison – newsletter, website www.atchisoncountycd.com

Brown - newsletter, Facebook https://www.facebook.com/browncountyconservationdistrict/

Clay – newsletter, website http://www.claycountykansas.org/153/Conservation-District, Facebook https://www.facebook.com/Clay-County-Conservation-District-1837289199825669/

Cloud – newsletter, website www.cdcoconservation.com, Facebook https://www.facebook.com/CloudCountyConservationDistrict/

Douglas – newsletter, website http://www.douglasccd.com/, Facebook https://www.facebook.com/douglasccd/

Geary – Facebook https://www.facebook.com/Geary-County-Conservation-District-294741820578634/

Jefferson – newsletter, Facebook https://www.facebook.com/Jefferson-County-Conservation-District-124979884345073/

Johnson -- newsletter

Marshall – Facebook https://www.facebook.com/MarshallCountyConservationDistrict/

Nemaha – Facebook https://www.facebook.com/NemahaCountyConservationDistrict/?ref=br_rs

Pottawatomie – Facebook https://www.facebook.com/PottCoCD/

Republic – newsletter

Riley – newsletter, website http://www.rileycountyks.gov/1014/Conservation-District, no Facebook

Shawnee – newsletter (click on website link), website www.sccdistrict.com, Facebook https://www.facebook.com/Shawnee-County-Conservation-District-194047623642/

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**

Questions?

Rob Reschke

Executive Director

Kansas Department of Agriculture, Division of Conservation (DOC)

1320 Research Park Drive

Manhattan, KS 66502

(785) 564-6620

Robert.Reschke@ks.gov

www.agriculture.ks.gov