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 General Fund Transfer: 27%
- Economic Development Fund Transfer: 9%
- Municipal Water Fees: 16%
- Clean Drinking Water Fee Fund: 16%
- Industrial Water Fees: 6%
- Pesticide Registration Fees: 6%
- Stock Water Fees: 2%
- Fertilizer Registration Fees: 16%
- Pollution Fines and Penalties: 1%
- Sand Royalties: 1%
- Pollution Fines and Penalties: 1%
- Pesticide Registration Fees: 6%
- Stock Water Fees: 2%
- Industrial Water Fees: 6%
- Fertilizer Registration Fees: 16%
- Pollution Fines and Penalties: 1%
- Sand Royalties: 1%
# State Water Plan Fund Expenditures

<table>
<thead>
<tr>
<th>Agency/Program</th>
<th>FY 2017 Actuals</th>
<th>FY 2018 Appropriated w/Carry Forward</th>
<th>FY 2018 Appropriated w/Supplemental Request</th>
<th>FY 2019 Appropriated</th>
<th>FY2019 Appropriated w/Enhancement Request</th>
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<td><strong>Department of Health &amp; Environment</strong></td>
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<td>Conservation District Aid</td>
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<td>Water Quality Buffer Initiative</td>
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<td>Riparian &amp; Wetland</td>
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<td><strong>TOTAL</strong></td>
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DOC Water Resources Cost-Share Program in the Waconda Lake Drainage Area FY 2013 thru FY 2017

- Terrace: 23.4%
- Grassed Waterway or Outlet: 20.7%
- Terrace Restoration: 20.1%
- Pipeline: 10.8%
- Pond: 2.0%
- Critical Area Planting: 0.04%
- Underground Outlet: 4.7%
- Pond Restoration/Drought Initiative: 6.2%
- Water Well: 2.1%
- Watering Facility: 3.0%
- Diversion: 3.1%
- Watering Facility: 3.0%

Total cost: $205,922.52
DOC Non-Point Source Pollution Control Program Cost-Share in the Waconda Lake Drainage Area FY 2013 thru FY 2017

- OnSite Wastewater System: 45.0%
- Pipeline: 28.4%
- Pumping Plant for Water Supply: 10.5%
- Watering Facility: 7.2%
- Pond Restoration/Drought Initiative: 2.9%
- Well Decommissioning: 2.0%
- Water Well: 2.0%
- Underground Outlet: 0.3%

Total Cost-Share: $136,987.22
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

Grassed Waterway or Outlet 19.9%
Terrace 19.4%
Brush Control Management 19.2%
Underground Outlet 10.9%
Pond 10.2%
OnSite Wastewater System 6.0%
Fencing 5.8%
Nutrient Management 2.6%
Other 6.0%

HUC 12 (102500170501) WR AND NPS COST-SHARE
$188,586.19 TOTAL
Looking at 5 years of State Cost-Share in One Lower Priority 9 Element Plan HUC 12 Watershed FY 2013 thru FY 2017

- Grassed Waterway: 58%
- Terrace: 22%
- OnSite Wastewater System: 15%
- Grassed Waterway or Outlet: 5%

HUC 12 (102500170607) WR AND NPS COST-SHARE $9,975.80 TOTAL

Figure 4: HUC 12 Delimitations of the Lower Republican Watershed
Soil Health Education Funds

• Funds will be available again in FY 2019
  o Workshops, Field Days
  o Educational materials, cover crop seed etc.
  o Cover Crop and Grazing Management
  o $2,500 limit per application for workshop

• No-till on the Plains Winter Conference registration fees
  o CD Supervisors
  o 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

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.”

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 microbiomes.

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 Leecey, 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-canaola rotation and a cow-calf operation. They started no-till about 15 years ago and are doing 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.
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

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

22nd Annual Winter Conference

Jan. 30-31, 2018

New Location: Hyatt Regency and Century II, Wichita, KS

Featuring Keynote Speaker

Allan Savory
Founder and President, Savory Institute

Also Featuring
Jonathan Lundgren
Kristine Nichols
Sarah Singla
Jill Clapperston
Derek Axten

Visit notill.org for more details and to subscribe to our e-newsletter to be notified when registration opens.
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
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?

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