

Livingston County

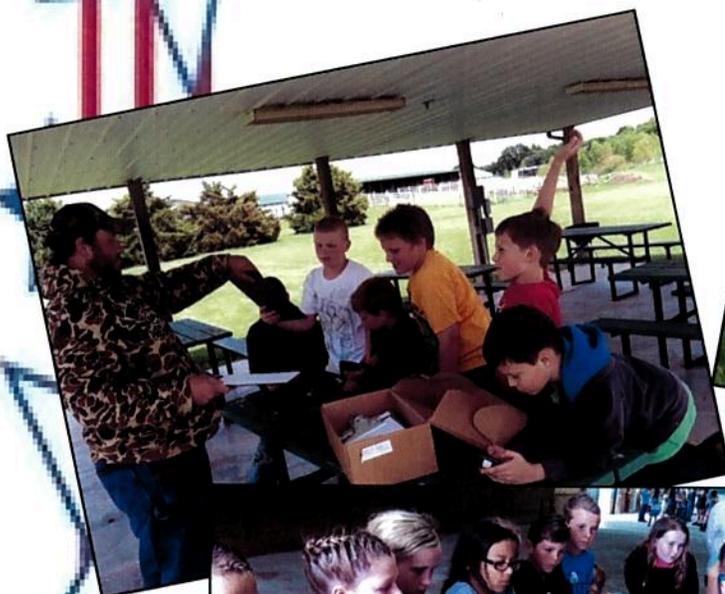
Soil & Water Conservation District

July —Sept 2015 Newsletter

<http://www.swcd.mo.gov/livingston>

Yet another year has passed with our Partner In Education classes. We did monthly visits with Mrs. Drenda Neptune's 1st grade class at Southwest, Mrs. Debbie Moore's 3rd/4th grade class at Chula and Mrs. Billie McGraw's 3rd grade class at Field School. During our monthly visits, we had mini-lessons with the students about soil and water conservation. At the end of the school year, we arranged a field trip to the Litton Agri-Science Center for each class. The students took a tour of the Litton Center and were able to see the conservation practices in place. We also used the stream table so the students could see how erosion happens and what can be done to slow it down. Then they used hand-held GPS devices for a scavenger hunt and wrapped up the field trip with root beer floats!

We truly treasure the relationship we have with our partner classes. Our purpose is to provide education and technical assistance in the wise use and management of our natural resources. What better way is there to do that than to start the education at a young age with the future stewards of the land?!



Livingston County SWCD

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Two of the very sweet thank you notes we received from Mrs. Drenda Neptune's 1st grade class!

Dear Mrs. Neptune,
Thank you for allowing to our classroom. I liked learning about soil layers, the layers, water conservation, and my gardening with soil and erosion. I hope that you have a fabulous summer.

Your friend,
Grant

Dear Mrs. Neptune,
Thank you for coming to our classroom. I liked learning about soil layers and water conservation. I hope that you have a fabulous summer.

Your friend,
Jasmine



More pictures from our Partner in Education field trips.



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FY15 Cost-Share Recap

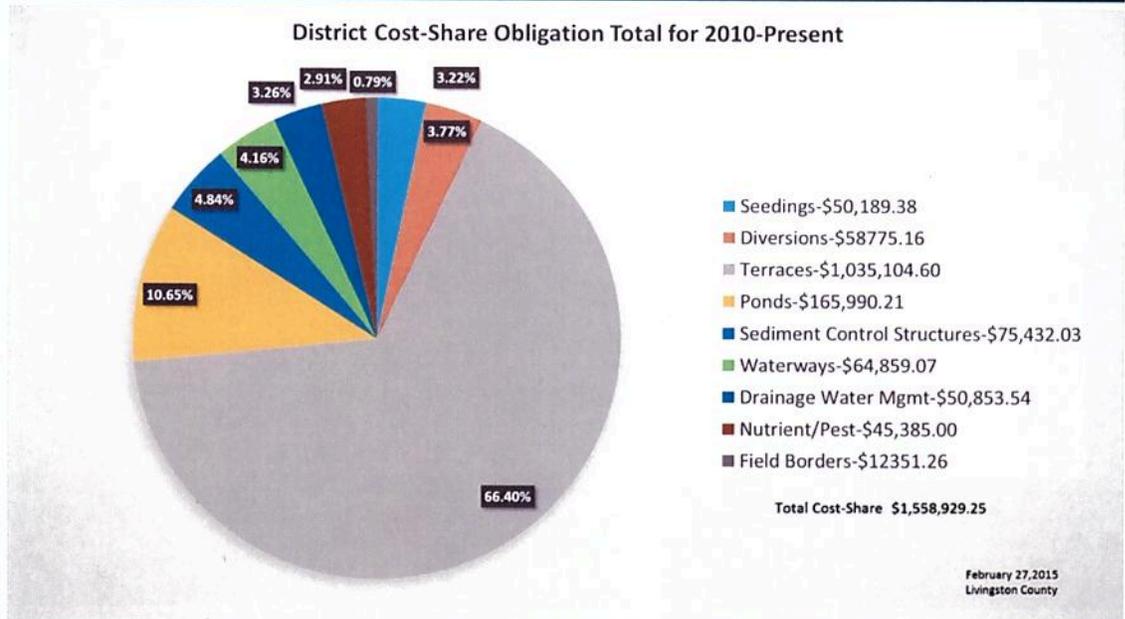
Our Fiscal Year 2015 ended on June 30. The table below details the practices completed, cost-share dollars spent, tons of soil saved and acres served. On July 1, 2015, our Fiscal Year 2016 began. Our initial FY16 allocation is \$306,550.

FY 2015 Cost-Share (July 1, 2014-June 30, 2015)

Practice	# of practices	Cost-Share \$	Tons of Soil Saved	Acres Served	Extents Installed
Seeding	3	\$7,581.45	3,980	79.5	79.5 acres
Terraces w/UGO	15	\$180,785.45	7,180.20	194.67	53,260 ft
Diversion	1	\$2,557.85	50	2.3	475 ft
Cover Crop	3	\$1,800.00	N/A	60	60 acres
Structures	8	\$73,902.91	2,530	133.6	34,512 cu yd
Sediment Basin	2	\$15,491.69	510	31.6	2,219 cu yd
Waterway	3	\$2,735.24	890	26.5	1.05 acres
Nutrient Mgmt	6	\$7,644.00	N/A	382.20	N/A
Total	41	\$292,498.59	15,140.20	910.37	

This data reflects cost-share practices that are complete and claims processed.

At right is a chart that shows the total District cost-share dollars which were obligated in Livingston County from 2010-February 2015. Obligated cost-share means the practice was staked/ designed and there was a contract approved.



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Seeding Dates

Specific planting dates are required for successful completion of vegetation establishment. Following are acceptable planting dates:

Cool Season grasses	August 1—October 15; December 1—May 31
Cool Season grasses and legumes	August 1—September 15; December 1—May 31
Warm Season grasses, legumes and forbs	November 16—June 30

How do I receive reimbursement for cost-share?

Once your practice is complete, the following must be provided to our office:

- * Checkout notes from the contractor
- * A copy of all paid invoices
- * A signed cooperators certification sheet for labor and/or materials on hand supplied by you

If your cost-share practice is a seeding or contains seeding as a component (critical area seeding of a pond dam or a waterway, etc.) then you must provide the following information to our office for certification of your practice and payment approval:

- * Receipt for seed
- * Receipt for fertilizer marked with rates
- * Receipt for lime with ENM % (effective neutralizing material)
- * A seed tag showing % purity and germination for every seed variety used

All cost-share practices must be certified as being complete and meet NRCS standards and specifications. Once the practice is certified complete, you will be called to sign the cost-share payment form.

SAVE THE DATE

Third Annual

Missouri Soil Health Exposition

Dates: August 26: Field Demonstrations
August 27: Workshops/Speakers

Location: MU Hundley-Whaley Research Center
1109 S. Birch Street, Albany, MO 64402

Featured Speakers:

Jerry Hatfield: Agriculture Research Service
Paul Ackley: Iowa Producer

Additional information, including a finalized agenda and registration fees will be available in June. Contact Bruce Burdick (660-726-3698 or burdickb@missouri.edu) to register.



Photo Courtesy of NRCS

Livingston County SWCD

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Experts talk soil health—Newsletter article #6

Written and produced by USDA's Natural Resources Conservation Service

Different cover crops yield different benefits, expert says

All cover crops are not created equally. That's both the beauty and the challenge of coming up with the right mix for each farm.

Jim Hoorman, an assistant professor and Extension educator for Ohio State University, says each cover crop has a special purpose – with specific benefits. Hoorman says legume cover crops, are typically used to produce homegrown nitrogen. Grass cover crops are used to increase soil organic matter, recycle excess nutrients, and reduce soil compaction. Brassica covers are grown to loosen the soil, recycle nutrients and suppress weeds and plant pathogens.

Other covers can be grown to suppress harmful insects or attract beneficial insects. Some cover crops may attract insect pests or become hard to kill, while others require little management.

There are hundreds of crop rotations to consider with cover crops, Hoorman says, so there's quite a lot of thinking to do when you introduce cover crops into your operation. For conventional tillers who want to begin a no-till program simultaneously with a cover crop, Hoorman suggests two cover crop rotations to consider:

1. Wheat, sorghum sudangrass, early maturing soybeans, winter pea or crimson clover with oilseed radish, corn, cereal rye, soybeans, back to wheat.
2. Corn, cereal rye, early maturing soybeans, brassica (oilseed radish) plus legume (crimson clover or winter pea).

For more information on how to “Unlock the Secrets in Your Soil,” call or visit your local USDA Natural Resources Conservation Service office or visit www.nrcs.usda.gov.

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www.nrcs.usda.gov

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Upcoming Events

Holiday Closings

7/3/15 Independence Day (Observed)

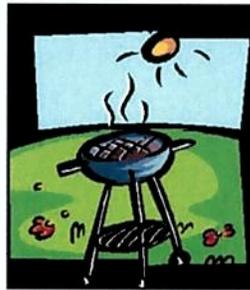
9/7/15 Labor Day

Events

7/20/15 Board Meeting

8/17/15 Board Meeting

9/21/15 Board Meeting



conserving
natural resources
for our future

Livingston County SWCD

1100 Morton Parkway

Chillicothe, MO 64601

Questions or Comments?

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Email: kristen.lourenco@swcd.mo.gov