



BOLLINGER COUNTY
SWCD

SUMMER 2011

**HURRICANE CREEK &
LITTLE WHITEWATER
SALT AREA**



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CONTACT INFORMATION

Office Hours

Monday-Friday
8:00 am -4:30 pm

Phone Number

573-238-2671 Ext. 3

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573-238-3315

**TOTAL GOALS MET & DOLLARS SPENT
IN THE SALT AREA TO DATE**

The Hurricane Creek & Little Whitewater River Special Area Land Treatment (SALT) Project started July 1, 2008, and is scheduled to continue through June 30, 2015. To date, the project has met the following goals:

Erosion Control

DWC-1 (Pond) 9 structures completed \$84,182.52
DWP-1 (Dry Hole) 3 structures completed \$6,511.79

Forestry

DFR-5 (Exclusion Fence) 5 completed \$19,614.84
C100 (Timber Harvest Plan) 1 completed \$1,480.00
N472 (Exclusion Fence w/incentive) 3 completed \$8,152.74
N655 (Restoration of Skid Trails) 4 completed \$4,904.27

Seedings

DSL-1 (Seeding Establishment) 4 completed \$11,062.80
DSL-2 (Seeding Improvement) 6 completed \$22,640.48

Buffers

WQ10 (Stream Protection) 1 completed \$4904.27

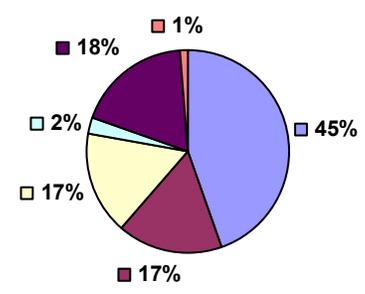
Pasture Management

DSP 3.1 (Grazing Sys. Water Dev.) 2 completed \$14,451.52
DSP 3.2 (Grazing Sys. Water Dist.) 2 completed \$15,402.00
DSP 3.3 (Grazing Sys. Fence) 1 completed \$6,276.00
DSP 3.4 (Grazing Sys. Lime) 2 completed \$973.23

Surface & Ground Water

N574 (Spring Development) 1 completed \$3,017.65

**Total Dollars Spent in SALT Area
\$203,574.11**



Erosion Control	\$90,694.31
Forestry	\$34,151.85
Seedings	\$33,703.28
Buffers	\$4,904.27
Pasture Management	\$37,102.75
Surface & Groundwater	\$3,017.65

Fiscal Year 2012 will start July 1, 2011. The cost-share allocation for fiscal year 2012 will be \$72,000. The \$72,000 is to be spent specifically in the Hurricane Creek & Little Whitewater Area. The Bollinger County Soil & Water Conservation District (SWCD) operates on a first-come, first serve basis and has a waiting list for some practices. Each practice has qualifying factors to determine eligibility for cost-share assistance. If you would like more information concerning our programs or have an area on your farm that needs evaluation, please call 573-238-2671 ext. 3.

CONSERVATION PRACTICE SPOTLIGHT

CRITICAL AREA PLANTING

The purpose of a critical area planting is to establish permanent vegetation on sites that have high erosion rates and/or conditions that prevent the establishment of vegetation with normal farming practices. These sites often occur for many different reasons such as livestock overgrazing, prior construction sites and natural events. Without treatment most critical areas grow over time and become a significant problem for the landowner and his operation. Most landowners try to deal with these areas by using their own methods. Installing a critical area planting practice will significantly reduce erosion and maintain or improve the quality of water in a stream, lake, pond or other water sources. The Bollinger County SWCD offers cost-share assistance to help landowners correct critical area sites on their farms. The program assists landowners with the costs of grading and shaping of the area along with seed, lime and fertilizer needed to improve the site. If you have a critical area site on your farm and would like to improve the situation please contact the office at 573-238-2671 ext. 3.



Photo taken on a farm in Northern Bollinger County **before** installing Critical Area Planting practice.



Photo taken on same farm in Northern Bollinger County **after** installing Critical Area Planting practice.

USDA- Natural Resources Conservation Service

Cost Share Programs Available

By Michael Squires

The same way that you plan for your land needs, whether it's for row crops, cattle, forestry management, or wildlife is the same way you should think and plan for conservation assistance. There is a wealth of assistance available to you through federal and state sources. Assistance is available and it can be as simple as getting your questions answered or becoming more involved by planning and implementing conservation practices through one of the conservation programs. One of the more popular programs is the Environmental Quality Incentives Program, EQIP for short. Another newer program on the scene is the Conservation Stewardship Program (CSP). Both offer distinct differences and advantages to landowners and operators.

The EQIP program is designed to provide targeted cost-share assistance for specific conservation practices that meet certain resource objectives such as installing a managed grazing system with cross fences and water lines and water troughs to facilitate improved pasture management. Another objective may be to improve your forest land through forest stand improvement practices or to add clearings and plantings for wildlife benefit. For row crop ground it may be as simple as improving irrigation efficiency to save energy costs. There are many practices available through this program to help you with the costs of installing conservation management practices. They can be installed over a period of years to spread out the costs or they can be planned to be applied all in one year. Each contract is designed to each individual's needs.

Another program to consider is the CSP program. CSP is a program contract designed to be maintained for a period of 5 years. Unlike the EQIP program it is not a cost-share program. It is a program that provides incentive payments to individuals who do an above average job at managing their agricultural lands. Payments are made annually and amounts are based on existing conditions and specific enhancement chosen by the participant. Examples of the enhancements are; establishing pollen-producing plants in non-cropped areas, improving plant diversity and structure of non-cropped areas, field borders to protect water quality, and rotating mineral feeders and feeding areas in livestock operations. These are only a few of the enhancements offered to choose from.

The time to begin planning for these programs is now. It's as easy as stopping by your local USDA Service Center and speaking with someone at the Natural Resources Conservation Service office. These programs work on a once-a-year application process which usually begins in the fall and contracts are then usually selected and funded in January. So don't wait too long to get the process started. Stop by a service center and see if there is a program to help you meet your conservation needs.



Bollinger County Soil & Water Conservation District

PRACTICES AVAILABLE

The Bollinger County Soil & Water Conservation District (SWCD) offers assistance on the following practices. Each practice has qualifying factors to determine eligibility for cost-share assistance.

Gulley, Sheet & Rill Erosion

DSL1—Permanent Vegetative Cover Establishment (Seeding) - Cost-share assistance available for lime and fertilizer, eligible seed, seeding operation, and seedbed preparation. Cost-share assistance is limited to the minimum amount of lime, fertilizer and seed(s) needed to establish adequate cover to control erosion.

DSL2—Permanent Vegetative Cover Improvement (Seeding) - Cost-share assistance available for seeding of legumes into permanent vegetation and for lime, fertilizer and chemicals necessary to establish legumes. Cost-share assistance is limited to the minimum amount of lime, fertilizer and seed(s) needed to establish adequate cover to control erosion.

DSL5—Diversions - Cost-share assistance for diversions, ditches, dikes or subsurface drains where necessary for the proper functioning of the diversion. Consideration will be given to the needs of wildlife during the design and application of this practice.

DSL11—Permanent Vegetative Cover: Critical Areas - Cost-share assistance for shaping and seeding down critical areas (such as gullies, banks, roadsides, field borders, and similar problem areas) on farms which are susceptible to erosion or where runoff, carrying substantial amounts of a sediment, constitutes a significant pollution hazard, or where both exist.

DSL111—Permanent Vegetative Cover: Confined Animal Feed Lots - Cost-share assistance for shaping and seeding down critical areas created around confined feed lots which are susceptible to erosion or where runoff carrying substantial amounts of a sediment, constitutes a significant pollution hazard, or where both exist.

DWC1—Water Impoundment-Reservoirs (Ponds) - Cost-share assistance is available to build structures that provide erosion control benefits and which may also provide water for agricultural uses, including livestock water, irrigation of permanent vegetation cover, or fire protection.

DWP1—Sediment Retention, Erosion, or Water-Control Structure - Cost-share assistance is available to install a drop pipe or create a dry hole structure to fix specific problem areas on farms where runoff of substantial amounts of sediment or runoff containing pesticides or fertilizers constitute a significant pollution hazard.

DWP3 – Sod Waterway – Cost-share assistance is available for site preparation, grading, shaping, filling and establishing permanent non-woody vegetative cover on farmland needing permanent sod waterways to convey excess surface runoff water in a manner that will reduce erosion. Cost-share assistance is also authorized for subsurface drains that are necessary for proper functioning of the waterway.

Irrigation Management

N554 – Drainage Water Management – Purpose is to improve soil environment and water quality by regulating the water table and ground water flows to increase nutrient uptake in cropland. Practice maximum shall not exceed 75% of \$350 (\$262.50) per acre or 75% of the actual cost, whichever is less.

Sensitive Areas

N351 – Well Decommissioning – Purpose of this practice is to prevent entry of vermin, debris, fertilizer, pesticides, and other foreign substances into the well or well bore hole and to seal and permanently close water wells no longer in use. A flat rate of \$400 will be paid to the landowner for completing this practice.

N574 – Spring Development – The purpose of this practice is to protect and enhance water quality through proper collection and distribution of ground water sources. Cost-share is authorized for pipe and trenching from collection point to one distribution point (tank) including outlet, not to exceed 300 feet. Permanent fencing cost also eligible for cost-share.

C650 – Streambank Stabilization - The purpose of this practice is to protect streambanks from accelerated erosion, provide adequate streambank vegetation and improve water quality on a watershed basis. Eligibility will be determined by the Missouri Department of Conservation Fisheries staff. Cost-share is authorized for components necessary for cedar tree revetments, rock riprap and bioengineering materials, also seed or seedlings, seedbed preparation and planting. Permanent fencing cost also eligible for cost-share. Livestock will be excluded from the stream and associated corridor with a minimum distance of 50 feet from the top of the streambank. Cost-share assistance is 75% if state average cost not to exceed \$5000 per landowner/farm.

N386 – Field Border – Protect water quality by trapping sediment, chemical and other pollutants and reduce erosion from wind and water. Cost-share is authorized for establishment of field borders for crop fields. One time out-of-production incentive payment of \$600 per acre may apply. A reduced incentive payment may apply to those enrolled in CRP (Conservation Reserve Program). Maximum width for incentive is 60 feet. Fertilizer required for maintenance of established stand will be applied at applicant's expense.

N391 – Riparian Forest Buffer – Purpose of this practice is to reduce the amounts of sediment, organic material, nutrients and pesticides in surface runoff and reduce excessive nutrients and other chemicals in shallow ground water flow with a secondary benefit of streambank stabilization. Applies to areas adjacent to permanent or intermittent streams, public drinking water reservoirs, and natural wetlands. One time out-of-production incentive of \$1200 per acre may apply. Maximum width for incentive is 180 feet. Livestock must be excluded except for controlled stream crossing points. Cost-share for permanent fencing associated with excluding livestock from stream.

N393 – Filter Strip – Purpose of this practice is to reduce erosion and prevent or reduce pollution of land or water from agricultural or silvicultural non-point sources. Applies to areas below cropland, hayland or grazing land where animal waste may leave area and enter environmentally sensitive areas. One time out-of-production incentive payment of \$1000 per acre may apply. Filter strip shall be a minimum of 25 feet wide and cost-share can only be paid on a maximum width of 100 feet. Cost-share authorized for establishment, permanent fencing cost associated with excluding livestock from a stream.

WQ10 – Stream Protection – Purpose of this practice is to reduce excessive amounts of sediment, organic material, nutrients and pesticides in surface runoff and reduce excessive nutrients and other chemicals in shallow groundwater flow with a secondary benefit of streambank stabilization. Applies to areas adjacent to permanent or intermittent streams, streams containing perennial pools or natural wetlands where livestock have uncontrolled access for watering purposes. One time out-of-pocket incentive may apply. Cost-share includes permanent fencing, stream crossings, watering sources, pipeline, water tank and more.

Nutrient Management & Pest Management

N590 – Nutrient Management – Purpose of this practice is to demonstrate the environmental and economic advantages of following a nutrient management plan and provide operators an incentive to encourage the adoption of new management techniques and/or technologies for applying commercial fertilizer. Operators must follow a nutrient management plan based on soil test results. Cost-share is authorized for fertilizer with a maximum of \$30 per acre with a limit of \$4500 per year with a lifetime maximum of \$13,500. Individual fields may be enrolled only one time for 3 consecutive years. Additional fields may be enrolled until the lifetime practice maximums have been reached.

N595 – Pest Management – Purpose of this practice is to minimize chemical entry of contaminants to ground and surface water by properly following a pest management plan. The pest management plan should assist the producer in determining whether, when and how an application of pesticide should occur for the crop. Cost-share is authorized for the chemical application that best meets the need of the landowner. A complete pest management plan must be written prior to contract approval. The basic incentive rate shall not exceed \$15 an acre with a limit of \$2500 per year with a lifetime maximum of \$7500. Individual fields may be enrolled only one time for 3 consecutive years. Additional fields may be enrolled until the lifetime practice maximums have been reached.

DSP3.1—Grazing System Water Development - Cost-share assistance is available to develop a water source (well, pond or spring development) for a planned grazing system up to a maximum of \$95/per acre. The acres to be considered for the per-acre maximum will only be the acres within the paddocks served by the water source development. Cost-share will be provided based on size and type of water to be given to existing water sources. Eligible items allowed under the pond construction include labor, earthwork, principle spillway pipe, water line pipe, materials for limited access watering, fence, lime fertilizer, seed, seedbed preparation and mulch needed for the critical area seeding of the pond. Eligible items allowed under well construction include the well drilling, casing, grout, liner, well house, submersible pump, pressure tank, wire from pump to control box, check valves, splice kits, pitless adaptors, torque arrestors, pump seals and fittings and seals for the well itself. Eligible items allowed under the spring development include spring collection pipe, spring collection box, excavation and labor to develop the spring and fencing of site. Grazing school is required to participate in grazing system practices with the soil and water conservation district, please see district personnel for dates available.

DSP3.2—Grazing System Water Distribution - Cost-share assistance available for components needed to distribute water throughout a grazing system to a maximum of \$85/per acre. The acres to be considered for the per-acre maximum will only be the acres within the paddocks served by the water distribution system. Water distribution will only be allowed on existing systems if the number of paddocks is increased or acreage is added to the current system. The exception to this is that water can be distributed to paddocks that have not previously contained a water source without requiring additional fencing (systems that have involved moving livestock through lanes to a central water source). Where a watering facility installed with state cost-share exists in a paddock, no cost-share will be provided for enhancement of that watering facility. Cost-share will be provided for installing pipeline from a water source to a water distribution point(s) for livestock watering within the grazing system. Pipeline and components that do not provide water to one or more paddocks in the system, but serve lots, buildings, and area that are not part of the grazing system are not eligible for cost-share. Eligible items include labor, trenching, pipe, hydrants, limited access watering sites on ponds, water tanks, limited stream access and other materials required to complete the water distribution for the grazing system. Grazing school is required to participate in grazing system practices with the soil and water conservation district, please see district personnel for dates available.

DSP3.3—Grazing System Fence - Property line perimeter fence and fence along roads or lanes used to travel to a residence are not eligible for cost-share. Crop fields that are mechanically harvested are not eligible for cost-share on fence. This practice will provide up to 75 percent cost-share for interior fencing components needed to install or intensify a grazing system up to a maximum of \$60/per acre. Any fence constructed must increase the number of paddocks in the system. The acres to be considered for the per-acre maximum will only be the acres within the paddocks where new fencing is installed. Construction of fencing will only be allowed on existing systems if the number of paddocks is increased or acreage is added to the current system. Cost-share will be provided based upon the least-cost wire component which in most cases will be high tensile electric; however other types of wire may be installed. The number of strands of wire allowed must be appropriate for the livestock species the system is currently being used/built for. Cost-share is allowed for an offset wire on perimeter fencing if required. Fencing items eligible for cost-share to construct deterrent fencing and cross-fencing for a livestock grazing system in the \$60 maximum per acre include: labor, posts, wire, gates, high tensile electric fence, energizers, energizer installation and accessories and water gap components. Grazing school is required to participate in grazing system practices with the soil and water conservation district, please see district personnel for dates available.

DSP 3.4-Grazing System Lime - Cost-share assistance to provide up to 75 percent cost-share for a one-time application of limestone according to soil test recommendations, up to a maximum of \$50/per acre limed. The paddocks need to be part of an existing grazing system which meets the Standards and Specifications for Prescribed Grazing. Lime may be applied in a split application if a large amount of elective neutralizing material (ENM) is needed. The surface application of limestone must be in accordance with minimum cover improvement needed as determined by a soil test. Eligible items for cost-share include lime, hauling and spreading. Grazing school is required to participate in grazing system practices with the soil and water conservation district, please see district personnel for dates available.

DSP 3.5-Grazing System Seed - Cost-share assistance to provide up to 75 percent cost-share for a one-time interseeding of legumes in paddocks within a qualified grazing system up to \$40/per acre seeded. The acres to be considered for the per-acre maximum will only be the acres which are seeded. The paddocks need to be part of an existing grazing system which meets the Standard and Specifications for Prescribed Grazing. Prior to planting legumes, the site will be fertilized to meet the requirements of the soil test the year of the seeding and two years following. Nitrogen, phosphorus, potassium and lime are not eligible components under the DSP 3.5 Seed practice. Eligible items for cost-share include legume seed, inoculation, no-till drill and broadcasting. Grazing school is required to participate in grazing system practices with the soil and water conservation district, please see district personnel for dates available.

Woodland Erosion

C100 - Timber Harvest Plans - Proper design and implementation of management practices on logging roads, stream crossing, log landings and other measures during timber harvest where landowner is planning timber sale. Incentive payments may apply.

DFR4 - Forest Plantation - Cost-share assistance is available to convert marginal soils to less intensive use and to reduce soil erosion from agricultural sources. Cost-share is authorized for seed or seedlings, seedbed preparation, necessary herbicides, and seeding or planting. Cost-share for fencing is included to protect newly planted forest from livestock. Minimum size of planting is 1 acre.

DFR5—Woodland Protection Through Livestock Exclusion (Fence) - Cost-share assistance for fencing existing woodland areas susceptible to excessive erosion due to livestock grazing. For the special purpose of this practice, riparian areas (stream floodplain) and upland soils with slopes exceeding 10 percent are exempted from the program requirement of excessive erosion.

N472—Use Exclusion - Cost share authorized for permanent fencing. One time out-of-production incentive payment of \$5 per acre may apply, not to exceed 100 acres per cost-share application for excluded area.

N655 - Restoration of Skid Trails, Logging Roads - Cost-share assistance is available for the treatment of active gully erosion on existing skid trails, logging roads, stream crossings, and log landings that have been improperly constructed during a timber harvest. Maximum payment shall not exceed \$1500 per gully and has a landowner maximum of \$6000 for this practice.

The Bollinger County SWCD operates on a first-come, first-serve process and there are existing waiting lists for some practices. Technical assistance and site determinations are available to landowners not interested in cost-share. If you would like more information concerning our programs or have an area on your farm that needs evaluation, please call 573-238-2671 ext. 3.

Bollinger County SWCD Welcomes Two New Board Members

Two new board members were recently elected to serve on the Bollinger County Soil & Water Conservation District (SWCD) Board for a four year term. David Retherford is the new board member elected for Area IV (Wayne & Liberty) replacing Roger VanGennip. Mike Kester is the new board member elected for Area II (Whitewater & Scopus) replacing Bud Bridges.

At the June 16th board meeting, the board also reorganized as follows: Saliena Dowd - Chair, Ronald Reagan - Vice-Chairman, Donna Aufdenberg will remain as Secretary, David Retherford - Treasurer and Mike Kester - Member.

The Bollinger County SWCD Board typically meets the third Thursday of each month, unless there is a scheduling conflict. The next board meeting will be held Thursday, August 4th at 8:30 a.m. All meetings are open to the public.



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1400 Independence Avenue, SW, Washington, D.C. 20250-9410

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Bollinger County SWCD
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Web!**

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bollinger](http://www.swcd.mo.gov/bollinger)**

**TO REMOVE YOUR NAME FROM OUR
MAILING LIST OR HAVE ANY QUESTIONS
PLEASE CALL 573-238-2671 EXT. 3.**

Equipment Rental

The Bollinger County SWCD & Missouri Department of Conservation have the following equipment available for completing your farming practices:

7' No-till Drill—\$9.00/acre

10' No-till Drill—\$9.00/acre

Pasture Renovator—\$6.00/acre

Root Plow—\$10.00/day

Wildlife Food Plot (1 row) Planter

Burn Spray Trailer