

# Yellow Medicine SWCD—FY2012

As of 12/31/2014

## BWSR Grants

State Cost Share: \$22,178.00  
(\$669.25 returned to the State)

Grant is complete.

## Funds Returned to State

Type \$ .00

Date Fund Returned: NA

## Grant Period (incl. extensions)

From: Date:10/24/2011

To: Date 6/30/2013

## State Cost Share Expenditures by Category

### Technical Assistance Funds

Tech & Admin Funds	\$4,301.75
<b>Total TA Funds</b>	<b>\$4,301.75</b>

### Implementation Funds

Field Windbreaks	\$3,308.00
Farmstead Windbreaks	\$13,899.00
Grassed WW	\$ .00
Terraces or 638's	\$ .00
<b>Total State Cost Share Implementation Expenditures</b>	<b>\$17,207.00</b>

## PROJECT CONTACT

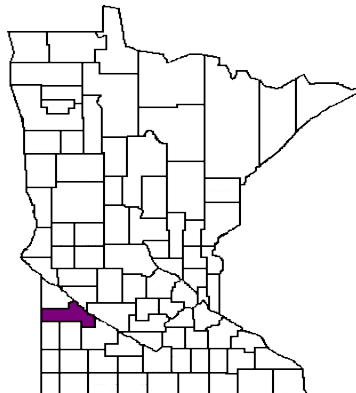
Lou Ann Nagel

320-669-4442 Ext 115

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## Project Title: FY 2012 State Cost Share Program

Yellow Medicine County map - Yellow Medicine SWCD Boundaries



## Overall Project Description (abstract)

**The State Cost Share Program** was established in 1977 and is administered locally by the Yellow Medicine Soil and Water Conservation District (SWCD). The State Cost Share Program provides financial assistance to landowners for installing conservation practices that protect and improve water quality by controlling soil erosion and reducing sedimentation. The program provides up to 75% of the total eligible cost of a practice. The SWCD provided technical assistance to landowners to install conservation practices by:

- Conducting a site investigation with the landowner
- Working with the landowner to determine the best management practice (BMP) for the given situation
- Surveying and designing the project
- Producing a rough cost estimate
- Providing the landowner with a designed plan for submission of bids
- Performing a pre-construction conference with the contractor and landowner
- Supervising construction
- Certifying completion of the project

The 2012 State Cost Share Program is now considered complete. Due to the wet spring conditions, the SWCD was unable to mat all of the projects. The SWCD returned \$669.25 to the State. **Grant is deemed complete.**

## Conservation Practices Implemented with FY2012 State Cost Share Dollars

Conservation Practices Installed	Number or Linear Feet Installed	Estimated Pollutant Load Reduction (include units)	Landowner Share	State Cost Share Amount
#2012-01 Farmstead Windbreak	1.0 acre	Prevention: Snow Management/Energy Conservation	\$464.75	\$1,393.00
#2012-02 Cancelled	Cancelled	Cancelled	Cancelled	Cancelled
#2012-03 Farmstead Windbreak	1.0 acre	Prevention: Snow Management/Energy Conservation	\$419.80	\$1,258.00
#2012-04 Farmstead Windbreak	1.0 acre	Prevention: Snow Management/Energy Conservation	\$196.00	\$588.00
#2012-05 Farmstead Windbreak	1.28 acre	Prevention: Snow Management/Energy Conservation	\$574.75	\$1,564.00
#2012-06 Farmstead Windbreak	.23 acre	Prevention: Snow Management/Energy Conservation	\$135.61	\$356.00
#2012-07 Farmstead Windbreak	.66 acre	Prevention: Snow Management/Energy Conservation	\$648.35	\$755.00
#2012-08 Farmstead Windbreak	.7 acre	Prevention: Snow Management/Energy Conservation	\$367.30	\$1,011.00
#2012-09 Farmstead Windbreak	.86 acre	Prevention: Snow Management/Energy Conservation	\$386.00	\$1,008.00
#2012-10 (Cancelled)	Cancelled	Cancelled	Cancelled	Cancelled
#2012-11 Field Windbreak	4,330 feet	Wind Erosion—Soil loss calculated at 1.2 tons/year	\$1,553.80	1,283.00
#2012-12 (Cancelled)	.Cancelled	Cancelled	Cancelled	Cancelled
#2012-13 Field Windbreak	1,375 Feet	Wind Erosion - Soil loss calculated at 8.2 tons/year	\$320.75	\$963.00
#2012-14 Field Windbreak	1,300 feet	Wind Erosion—Soil loss calculated at 1.2 tons/year	\$440.75	\$1,062.00
#2012-15 Farmstead Windbreak	.25 acre	Prevention: Snow Management/Energy Conservation	\$153.29	\$271.00
#2012-16 Farmstead Windbreak	.5 acre	Prevention: Snow Management/Energy Conservation	\$422.25	\$620.00
#2012-17 Field Windbreak	569 feet	Wind Erosion— Soil loss calculated at 4.3 tons/year	\$149.90	\$449.00
#2012-18 Farmstead Windbreak	.54 acre	Prevention: Snow Management/Energy Conservation	\$320.60	\$791.00
#2012-19 Farmstead Windbreak	.6 acre	Prevention: Snow Management/Energy Conservation	\$373.15	\$945.00
#2012-20 Farmstead Windbreak	.65 acre	Prevention: Snow Management/Energy Conservation	\$363.85	\$946.00
#2012-21 Farmstead Windbreak	.35 acre	Prevention: Snow Management/Energy Conservation	\$164.85	\$295.00
#2012-22 Farmstead Windbreak	1.2 acre	Prevention: Snow Management/Energy Conservation	\$726.47	\$1,649.00

### Project Photos



# Yellow Medicine SWCD—FY 2012 Service Grants

(As of 12/31/2014)

## BWSR Service Grants

Conservation Delivery \$19,263  
Easement Delivery \$ 9,745  
Farm Bill Assistant \$28,553

Grants Completed

## Funds Returned to State

Type \$ .00

Date Fund Returned: NA

## Grant Period (incl. extensions)

From: Date:10/28/2011

To: Date 6/30/2013

## Expenditures by Service Grant

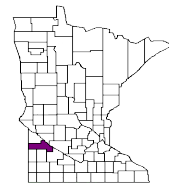
Conservation Delivery Grant	\$19,263.00
Easement Delivery Grant	\$ 9,745.00
Farm Bill Assistant Grant	\$27,116.00

## PROJECT CONTACT

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## Project Title: FY 2012 BWSR Grants: Conservation Delivery; Easement Delivery; Farm Bill Assistant; .

Yellow Medicine County map - Yellow Medicine SWCD Boundaries



## Overall Project Description and Outputs

Due to the State Shutdown in 2011, the grants were issued approximately three months later than normal.

**The Conservation Delivery Grant** is given to the SWCD for the general administration and operation of the district. These administrative and operational costs include: employee wages and expenses; office space; transportation; insurance; postage; dues/fees; utilities; education; promotion; and supervisors' compensation and expenses. As of December 31, 2011, the SWCD spent \$12,286.06 of the grant. As of January 26, 2012 the remaining \$6,976.94 was used for general operation of the SWCD. **Grant is considered complete.**

**The Easement Delivery Grant** is given to the SWCD to: market the Reinvest in Minnesota (RIM), the Conservation Reserve Enhancement Program (CREP) and the Wetland Reserve Program/Reinvest in Minnesota (WRP/RIM) programs; attend training sessions; conduct screening committee meetings; process easements; perform on-site investigations and surveys; monitor easements and conduct spot-checks; conduct status reviews; stake sites; and perform courthouse searches and finalize easements. As of December 31, 2011 \$745.00 was spent assisting BWSR with overseeing a repair project on a RIM Wetland Restoration. As of September 30, 2012 the remaining funds, \$9,000.00, were spent on conducting status reviews, updating contracts, and working on new WRP/RIM contracts. **Grant is considered complete.**

**The Farm Bill Assistant (FBA) Grant** is given to the SWCD to hire staff to increase landowner participation in the conservation provisions of the Federal Farm Bill, which increases the amount of native grasses and wetlands on the landscape to enhance water quality, reduce soil erosion, and increase fish & wildlife habitat. As of 12/31/2011, the FBA made 358 contacts and 76 contracts were signed enrolling 1084.4 acres as follows:

Programs	Contracts	Practice	Acres
CCRP	45	Filter Strips	358.4 acres
CCRP	5	Wetland Restorations	100.6 acres
CCRP	7	Trees, etc	15.2 acres
General CRP	19	Wildlife Habitat	610.2 acres

The FBA also amended 24 CCRP/CRP contracts for management activities on 568.4 acres. He completed the easement process for all Rock Outcrop Easements. However, we still need to get releases from utility companies for some of the Rock Outcrop Easements. The Yellow Medicine SWCD is in the preliminary stages of working on the ten RIM/WRP Flood Response applications that were approved.

At the end June 30, 2012 the Farm Bill Assistant made 4,163 contacts. 113 contracts were signed by landowners enrolling 1,438.9 acres into the following:

Programs	Contracts	Practice	Acres
CCRP	69	Filter Strips	531.3acres
CCRP	14	Wetland Restorations	279.0 acres
CCRP	11	Trees, etc	18.4 acres
General CRP	19	Wildlife Habitat	610.2 acres
CRP	37	Modifications	711.9 acres
Other	10	Rock Outcrop and WIA	1,341.3 acres

Due to State shutdown, only \$27,116.00 of the grant was utilized for the Farm Bill Position. The grant is received on a reimbursable basis. **This grant is considered to complete.**

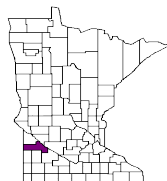
# Yellow Medicine SWCD—FY 2012 Service Grants

(As of 12/31/2014)  
Grants completed

NRBG WCA \$ 8,777  
NRBG WCA Match \$ 8,777  
Walk In Access = \$ 5,250

## Project Title: FY 2012 BWSR Grants: Natural Resources Block Grant - Wetland Conservation Act Portion; and Walk In Access Program.

Yellow Medicine County map - Yellow Medicine SWCD Boundaries



### Overall Project Description and Outputs

#### Funds Returned to State

Type \$ .00  
Date Fund Returned: NA

#### Grant Period (incl. extensions)

From: Date: 1/1/2012  
To: Date: 6/30/2013

#### Expenditures by Service Grant

##### Technical/Administrative Assistance Funds

NRBG-Wetland Conservation Act Grant	\$8,777.00
Wetland Conservation Act-SWCD In-kind Match	\$8,777.00
Walk In Access Grant	\$ 5,250.00

#### PROJECT CONTACT

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**Wetland Conservation Act (WCA)-** Yellow Medicine County appointed the SWCD as the local governmental unit to administer the Wetland Conservation Act. Due to the State shutdown, the SWCD did not receive their 2012 WCA Grant in 2011. However, the SWCD staff put in 353 hours administering WCA from July-December of 2011 accomplishing the following: held 4 technical panel meetings; attended 42.5 hours of training; approved 224 tiling requests, approved 81 tiling requests with restrictions; approved 70 zoning/building permits; approved 3 no-loss decisions; received 5 basic applications; investigated 4 highway projects; and conducted 41 on-site investigations. Another 62 contacts were made that did not require a decision. Three potential violations were investigated.

The WCA grant was received in January of 2012. As of October 31, 2012 the SWCD staff put in 453.5 hours administering WCA from January 2012 through October accomplishing the following: held 3 technical panel meetings; attended 49 hours of training; approved 342 tiling requests, approved 80 tiling requests with restrictions; approved 105 zoning/building permits; approved 8 no-loss decisions; received 15 basic applications; investigated 6 highway projects; and conducted 26 on-site investigations. Another 37 contacts were made that did not require a decision. 4 potential violations were investigated. Notice of Decision Replacement Plan to replace wetland credits 2. Ag Exemption Decisions 1.

**Grant is considered complete.**

**Walk In Access Grant:** The SWCD was notified that we will receive a Walk In Access Grant for FY2012. We did not have the grant as of December 31, 2011. The Grant was signed by the State on February 17, 2012. Developed a flyer and mailed to 832 landowners with CRP, WRP/RIM, and RIM explaining the program and encouraging them to sign up. Wrote an article explaining the Walk In Access Program and mailed it to 2400 landowners/operators in the county. News articles were written for local newspapers. The SWCD, in conjunction with Lac qui Parle SWCD and Chippewa SWCD put radio ads on local radio stations. The SWCD paid for an ad in the Spring Edition of the Advocate Tribune Newspaper. The Farm Bill Assistant attended the annual weed meeting to inform the public of this program. Attended teleconferences, entered information into eLink, and updated registers. In 2012, three Walk In Access Agreements were signed, enrolling another 1,034.2 acres. All six landowners with Walk In Access Agreements were contacted regarding the Emergency Haying and Grazing opportunity. No one was interested in signing up for the Emergency Program. All but one of the landowners extended their agreements until May 31, 2015.

**Grant is considered complete.**

# Yellow Medicine SWCD—FY 2012 Drainage Grant

Grant is considered complete

## CWF Drainage Grant - \$30,595

Bioreactor	\$9,825
Control Structures	\$4,681
Alternative Intakes	\$9,794
Project Develop.	\$1,960
Admin/Coor.	\$1,225
Techn/Eng.	\$3,110

## Funds Returned to State

Type \$ .00

Date Fund Returned: NA

## Grant Period (incl. extensions)

From: Date: 3/15/2012

To: Date 12/31/2016

## Expenditures by Service Grant

### Technical/Administrative Assistance Funds

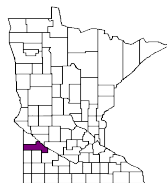
2012 CWF Bioreactor	\$9,720.00
2012 CWF Control Structures	\$ .00
2012 CWF Alternative Intakes	\$ 600.00
2012 CWF Project Development	\$1,960.00
2012 CWF Administration	\$1,225.00
2012 CWF Technical/	\$2,219.38
2012 CWF In Kind	\$8,851.74

## PROJECT CONTACT

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## Project Title: FY 2012 BWSR Grants: ; CWF Drainage Grant

Yellow Medicine County map - Yellow Medicine SWCD Boundaries



## Overall Project Description and Outputs

**CWF DRAINAGE GRANT:** The SWCD applied for a Drainage Grant through Clean Water Funds. The SWCD was approved for funding but didn't receive grant funding until March 15, 2012. On July 17, 2012, Matt Drewitz from BWSR approved the request to add CAP 130 and an additional control structure to the bioreactor contract. Therefore, the work plan was amended taking \$2,325.00 out of the control drainage structure category and putting it into the bioreactor category. On April 18, 2014 BWSR approve our request to revise our work plan to expand the geographic scope of this grant to include two extra adjacent minor watershed: #070200040102 and #07020040505; and to extend the deadline to December 31, 2016. The SWCD also requested to make the following change to our work plan: increase the alternative intake category budgeted amount from \$60000 to \$9,794.00 and decrease the control structure category by \$3,794.00.

**Project Development:** As of 7/31/2013 the SWCD made a list of landowners in the Lower Yellow Medicine River Sub Watershed and sent letters/flyers to them announcing the program. Developed a drainage committee and invited them to a meeting to discuss holding a demo/workshop in the county. Prepared and held a Conservation Drainage Field Day demonstrating the latest technologies developed to remove nitrate from farmland runoff that drains through subsurface tiles. This Field Day, as well as a Drainage Workshop, was sponsored by the SWCD, the Minnesota Department of Ag and the University of Minnesota. Approximately 114 people attended the field day and 80 people attended the workshop. The Minnesota Department of Ag and the MN Corn Growers Association help with the expenses for these two events. \$1,960.00 of grant funds were spent on project development. In June of 2014 notices were sent to all landowners in the new geographic areas encouraging participation in this program. As of 12/31/2014 some landowners have shown interest, but unfortunately no one has signed any contract requesting cost share assistance. As of December 22, 2015 all of the project development grant money was spent. The local match for the project development money far exceeded the projected \$490.00. A total of \$3,735.69 was spent for the local match.

**Administration:** All of the \$1,225.00 grant administrative dollars were used for administering this program. Administrative dollars were used to set up spreadsheets to monitor grant, report progress in eLink and on website, process applications, request revision, make payments, etc. The SWCD exceeded the amount of local match for this category by \$708.75.

**Technical:** \$2,219.38 were used for the technical aspects of the program. Technical dollars in the amount of \$906.00 were given to the Southwest Prairie Technical Service Area and \$358.00 given to the SWCD for installation of Albin's bioreactor. \$328.01 was spent on DWM training. The remaining technical dollars were used for status reviews, landowner contact, mapping and recording soil loss in eLINK.

Narrative continued on next page.

**Yellow Medicine SWCD—FY 2012 Drainage Grant**  
 Grant is considered complete

**CWF Drainage Grant - \$30,595**

**Funds Returned to State**  
 Type \$ .00  
 Date Fund Returned: NA

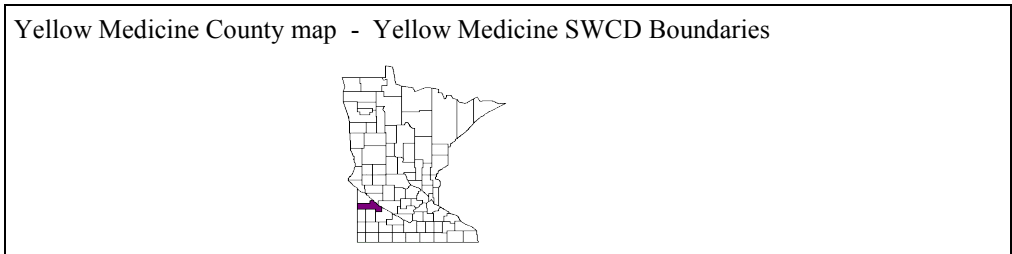
**Grant Period (incl. extensions)**  
 From: Date: 3/15/2012  
 To: Date 12/31/2015

**Expenditures by Service Grant**

**Technical/Administrative Assistance Funds**


**PROJECT CONTACT**  
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**Project Title: FY 2012 BWSR Grants ; CWF Drainage Grant**



**Overall Project Description and Outputs**

**CWF DRAINAGE GRANT continued:**

**In-Kind:** To date \$8,301.54 were spent for the in-kind match for this grant. Breakdown is as follows:

Administrative match	= \$1,014.75
Technical match	= \$ 590.30
Project Development Match	= \$3,735.69
Landowner Share	= \$3,511.00

**CWF Cost Share Practices:**

Alternative Intakes were budgeted at \$6,000.00: In April of 2014, the SWCD requested to increase the alternative intake budget to \$9,794.00. Offer up to 75% cost share, not to exceed \$300/intake to replace 20 open intakes with alternative intakes. In October 2012 the SWCD was given permission to change the cost share rate to 75% not to exceed \$300/rock inlet and offer up to 75% cost share not to exceed \$600/dense pattern tile inlet. Only one intake was replaced reducing phosphorus by 1.5 lbs./year and 1 ton/year of sediment.

Control Drainage Structures were budgeted at \$10,800.00. In July of 2012 the budget was reduced to \$8,475.00 putting another \$2,325.00 into the bioreactor category to cover both the bioreactor and the CAP130 Plan. In March 27, 2014 the SWCD requested to decrease the budget amount for control structures from \$8,475.00 to \$4,681.00 and add CAP130 Plans to the Control Structure category. Offer up to 75% cost share, not to exceed \$900/control structure.

The bioreactor was budgeted at \$7,500.00. In July of 2012 the cost share for the bioreactor was increased by \$2,325.00 to help pay for the CAP 130 Plan. As of July 31, 2013, the Bioreactor was installed by operator Doug Albin. This is the first bioreactor to be installed in the county. The area to be affected by bioreactor is 21.5 acres. The estimated pollution reduction for nitrogen is 163 lbs./yr. and phosphorus reduction is 1.7 lbs./yr.

In 2012 the Yellow Medicine SWCD provided technical and project development assistance to a local landowner in cooperation with the Minnesota Department of Agriculture. The objective of the project was to install a Vegetated Subsurface Drain Outlet (NRCS practice standard 739). This practice will provide additional nitrate-nitrogen filtration of subsurface drain water through the process of diverting drainage water through a control structure and into a distribution pipe. As the water passed through the distribution pipe it creates an elevated zone of soil saturation. This allows plants to uptake the available water and nutrients prior to water expulsion into the outlet source. The project was completed on December 3, 2012. This project will be monitored over the course of the next several years to document total nitrogen reduction efficiency. This was the first installation of a Saturated Buffer in the State of Minnesota and the Yellow Medicine Field Office played an integral role in working with local, state, and federal agencies to insure special provisions were permitted for this innovative demonstration. Direct mailings were sent to landowners in watershed and meetings were also conducted.

Unfortunately only \$15,724.38 of the \$30,595.00 grant was spent. The SWCD could not get the landowners in these minor watersheds interested in drainage water management practices.