



FY 18 - 19 Biennial Budget Request Yellow Medicine SWCD

Total Requested Biennial State Contribution:	\$7,942,018.00	BBR ID	BBR16-4034
Total Leveraged Funds	\$875,534.00	Submitted Date	
Total Resource Project and Activities Budget	\$8,817,552.00	Staff Contact	LouAnn Nagel
Total BMPs	63	Board Conservationist	Jason Beckler
Total FTEs	5.05		

SWCD Program Grant Summary

Grant Source	Estimated Amount Available	Estimated Amount Budgeted
SWCD State Cost-Share	\$34,120.00	\$74,120.00
SWCD Conservation Delivery	\$38,526.00	\$58,526.00
RIM Easement Delivery	\$18,902.00	\$28,902.00

Water Resources of Concern

Primary Water Resource of Concern	Water Resource Category	Watershed	Impairments	Trend
Mud Creek	Surface & Ground Water	Minnesota River - Yellow Medicine River	Yes	Not Enough Data
Organization Wide - Surface Water	Surface Water		Unknown	N/A
Organization Wide - Surface & Ground Water	Surface & Ground Water		N/A	N/A

Activity Summary

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Promote and enroll approximately 1,135 acres into either the Conservation Reserve Enhancement Program (CREP) and/or the Reinvest in Minnesota (RIM) Programs.		
Activity Category	Wetland Restoration/Creation	Capital Improvement Project?	No
Source of State Contribution	RIM - (All Sources)	Estimated # of FTEs	

Total Requested Biennial State Contribution	\$7,191,000.00	Estimated Number of Practices	11
Estimated Leveraged Funds	\$643,350.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$7,834,350.00	Action or Objective (from plan)	Yellow Medicine Co. Water Plan 2010 Amendment Page 27 Priority Issue #4: Surface Water, Drainage Management and Flooding. Objective A: Minimize losses associated with flooding of agricultural lands. Actions 1 and 2. Yellow Medicine Co. Water Plan 2010 Amendment Page 18 To Protect and Improve Surface and Ground Water Quality by Addressing & Reducing Soil Erosion & Sedimentation -Objective b. Protect and improve the biodiversity of the County. Actions 1.
Describe how this activity could be accomplished in the biennium	The SWCD has a list of 11 potential landowners who have shown interest in retiring land into CREP and/or RIM Programs. These landowners will be approached again to see if they are still interest. The SWCD will: determine if their land is eligible; determine boundaries; determine what practices are needed; help the landowner with the application process; complete agreement and easement stages.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Promote and encourage enrollment into the MDA Water Quality Certification Program		
Activity Category	Planning and Assessment	Capital Improvement Project?	No
Source of State Contribution	MDA Ag Water Quality Certification Funds	Estimated # of FTEs	0.05
Total Requested Biennial State Contribution	\$6,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)

Projects & Activities Budget	\$6,000.00	Action or Objective (from plan)	Yellow Medicine Co. Water Plan 2010 Amendment Page 21 Priority Issue #3: Reducing Priority Pollutants Objective a: Protect Surface and ground water quality from contamination caused by point and on-point source pollution by reducing priority pollutants to sustainable levels Actions 1- 6.
Describe how this activity could be accomplished in the biennium	Technical staff will work with individual landowners promoting and encouraging enrollment into the MDA Water Quality Certification Program. If landowner's land is determined to be eligible, the technical staff will work with the Area Water Quality Specialist to complete certification process.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Continue to employee a 70% Farm Bill Assistant (FBA) Position in the County by applying for a BWSR Grant. The FBA will provide technical and administrative assistance for local implementation of the Federal Farm Bill.		
Activity Category	Planning and Assessment	Capital Improvement Project?	No
Source of State Contribution	Farm Bill Assistance	Estimated # of FTEs	0.7
Total Requested Biennial State Contribution	\$70,470.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$7,830.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$78,300.00	Action or Objective (from plan)	Yellow Medicine Co. Water Plan 2010 Amendment Page 18 To Protect and Improve Surface and Ground Water Quality by Addressing & Reducing Soil Erosion & Sedimentation -Objective b. Protect and improve the biodiversity of the County. Actions 1-8.
Describe how this activity could be accomplished in the biennium	Apply for a 70% BWSR Farm Bill Assistant (FBA). The FBA will help administrate the most recent Federal Farm Bill, promoting and enrolling into various conservation programs. FBA will work with landowners on a		

one-to-one basis determining what is best for their land.

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Monitor status of compliance with buffer Law.		
Activity Category	Monitoring/Data Collection	Capital Improvement Project?	No
Source of State Contribution	Buffer Implementation Funds	Estimated # of FTEs	0.2
Total Requested Biennial State Contribution	\$20,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$20,000.00	Action or Objective (from plan)	Yellow Medicine Co. Water Plan 2010 Amendment Page 18 To Protect and Improve Surface and Ground Water Quality by Addressing & Reducing Soil Erosion & Sedimentation -Objective b. Protect and improve the biodiversity of the County. Actions 1.
Describe how this activity could be accomplished in the biennium	Develop buffer maps showing where buffers are installed and/or alternative practices are installed to comply with the MN Buffer Law. Establish data base and keep data base up to date.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Develop an education program to inform the public about conservation programs and encourage enrollment in those program. These funds will also be used to obtain technical approval authority for all employees as needed per job descriptions.		
Activity Category	Education/Information	Capital Improvement Project?	No
Source of State Contribution	SWCD Local Capacity Funds	Estimated # of FTEs	0.5
Total Requested Biennial State Contribution	\$40,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$40,000.00	Action or Objective (from plan)	Yellow Medicine Co. Water Plan 2010 Amendment Page

			18 To Protect and Improve Surface and Ground Water Quality by Addressing & Reducing Soil Erosion & Sedimentation -Objective A. Reduce erosion & sediment problems to sustainable levels by promoting the use of BMPs, Actions 10. Education is also listed in many other priority issues as well.
Describe how this activity could be accomplished in the biennium	Inform the public about conservation programs and encourage enrollment to the conservation program through various forms of media: newsletters, news articles, website, workshops, demonstrations, etc. Seek training for employees to obtain technical approval authority for all employees as needed per job descriptions.		

Water Resource Name	Mud Creek		
Activity Description	Treat 2% of Cropland with wetland restoration, implement controlled drainage on 1% of row cropland, treat 2.5% of cropland with concentrated flow practices, increase reduced tillage practices in 10% of the cropland; add cover crops to 20% of corn/soybean fields, implement targeted nutrient rates on 35% of agricultural land; replace open tile inlets with alternative intakes on 2% of fields, work with landowners to achieve 100% compliance on the buffer law and convert 2% of cropland to grassland. This will be accomplished by offering 75% cost share to install structural practices and offering incentives to install nonstructural practices. BMPs will reduce sediment bound phosphorus from reaching surface water and ultimately reducing dissolved oxygen and turbidity impairment.		
Activity Category	Agricultural Practices	Capital Improvement Project?	No
Source of State Contribution	BWSR Clean Water Fund - Targeted Watershed Program	Estimated # of FTEs	
Total Requested Biennial State Contribution	\$200,000.00	Estimated Number of Practices	40
Estimated Leveraged Funds	\$50,000.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$250,000.00	Action or Objective (from plan)	Yellow Medicine County Water Plan 2010 Amendment p. 16-20 to protect & Improve Surface & Groundwater

			quality by addressing & reducing soil erosion & sedimentation. Objective a. Actions 1-11
Describe how this activity could be accomplished in the biennium	The SWCD will promote and educate citizens in the sub-watershed of the problems and encourage enrollment into a variety of programs. The SWCD, along with the landowner, contractor, NRCS Technician and/or TSA staff will survey, design, install, report and inspect structural practices. SWCD staff will contact landowners in this priority watershed to promote drainage water management. SWCD will work with landowners, contractors, NRCS Technician and/or TSA staff to make sure systems are installed according to specs and standards.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Yellow Medicine SWCD will use cost share funds to address high priority wind and water erosion sites. Technical assistance will be provided by SWCD Technical Staff, SWTSA Engineering Staff and/or NRCS.		
Activity Category	Agricultural Practices	Capital Improvement Project?	No
Source of State Contribution	SWCD State Cost-Share	Estimated # of FTEs	
Total Requested Biennial State Contribution	\$74,120.00	Estimated Number of Practices	12
Estimated Leveraged Funds	\$18,530.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$92,650.00	Action or Objective (from plan)	Yellow Medicine Co. Water Plan 2010 Amendment Page 16-20 To Protect and Improve Surface and Ground Water Quality by Addressing & Reducing Soil Erosion & Sedimentation -Objective A. Reduce erosion & sediment problems to sustainable levels by promoting the use of BMPs, Actions 1- 11.
Describe how this activity could be accomplished in the biennium	SWCD staff will work independently, or work with SWTSA and/or NRCS staff to accomplish projects consistent with NRCS FOTG standards. Project site reviews will be conducted and preliminary designs will be used to develop a cost share contract, which will need Board approval. Staff will stake, survey, supervise construction, inspect, etc. Projects will be installed by a contractor. Payments will be approved.		

Water Resource Name	Mud Creek		
Activity Description	Educate the citizens in the subwatershed of the problems in the subwatershed and the solutions available. Promote programs and encourage enrollment into those programs.		
Activity Category	Project Development	Capital Improvement Project?	No
Source of State Contribution	BWSR Clean Water Fund - Targeted Watershed Program	Estimated # of FTEs	0.1
Total Requested Biennial State Contribution	\$5,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$5,000.00	Action or Objective (from plan)	Yellow Medicine Co. Water Plan 2010 Amendment Page 18 To Protect and Improve Surface and Ground Water Quality by Addressing & Reducing Soil Erosion & Sedimentation -Objective A. Reduce erosion & sediment problems to sustainable levels by promoting the use of BMPs, Actions 10. Education is also listed in many other priority issues as well.
Describe how this activity could be accomplished in the biennium	This will be accomplished through one-on-one contacts, direct mailings, newsletters, display/booths, radio announcements, workshops, tours, etc.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Updated equipment and software is needed to operate the SWCD. The SWCD will be faced with getting their own server, printer and other equipment as the federal government may no longer offer that service.		
Activity Category	Supplies/Equipment	Capital Improvement Project?	No
Source of State Contribution	SWCD Local Capacity Funds	Estimated # of FTEs	0
Total Requested Biennial State Contribution	\$8,480.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)

Projects & Activities Budget	\$8,480.00	Action or Objective (from plan)	Yellow Medicine Co. Water Plan 2010 Amendment Page 18 To Protect and Improve Surface and Ground Water Quality by Addressing & Reducing Soil Erosion & Sedimentation -Objective A. Reduce erosion & sediment problems to sustainable levels by promoting the use of BMPs, Actions 1- 11.
Describe how this activity could be accomplished in the biennium	Purchase updated software and equipment needed to operate the SWCD.		

Water Resource Name	Mud Creek		
Activity Description	SWCD staff, TSA staff and/or NRCS staff will promote, and design engineer practices according to the USDA NRCS Field Office Technical Guide.		
Activity Category	Technical/Engineering Assistance	Capital Improvement Project?	No
Source of State Contribution	BWSR Clean Water Fund - Targeted Watershed Program	Estimated # of FTEs	0.5
Total Requested Biennial State Contribution	\$25,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$25,000.00	Action or Objective (from plan)	Yellow Medicine Co. Water Plan 2010 Amendment page 26 Erosion and Sediment Control Objective A; Action 1a; and Page 23 Priority Issue #3: Reduce Priority Pollutants - Objective B. Target identified impaired (Total Maximum Daily Load (TMDL) water bodies for implementation of

			practices to reduce pollutants. Actions 3.
Describe how this activity could be accomplished in the biennium	SWCD staff will use TAA, and work towards TAA; work with SWTSA and/or NRCS staff to accomplish projects consistent with NRCS FOTG standards. This will include but not limited to designing, surveying, layout practices, inspect upon completion, obtain signoff from appropriate individuals and conduct site inspections.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Maintain all existing technical staff.		
Activity Category	Technical/Engineering Assistance	Capital Improvement Project?	No
Source of State Contribution	SWCD Local Capacity Funds	Estimated # of FTEs	1.3
Total Requested Biennial State Contribution	\$101,520.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$101,520.00	Action or Objective (from plan)	Yellow Medicine Co. Water Plan 2010 Amendment Page 16-20 To Protect and Improve Surface and Ground Water Quality by Addressing & Reducing Soil Erosion & Sedimentation -Objective A. Reduce erosion & sediment problems to sustainable levels by promoting the use of BMPs, Actions 1- 11.
Describe how this activity could be accomplished in the biennium	Funds will be used to keep the new position, Conservation Technician, which was funded through the initial Local Capacity Grant in 2016. The Conservation Technician will work with landowners to increase the amount of conservation practices in Yellow Medicine County. His duties will include administering the soil loss law and buffer law, as well as engineering duties. Funds will also be used for a portion of the hours for the SWCD Technician and Farm Bill Assistant who will continue to promote conservation practices for both wind and water erosion.		

Water Resource Name	Mud Creek
Activity Description	Complete grant reporting and fiscal management of the grant. Report in State eLINK Reporting program

	and SWCD website. Supervisors will approve or deny projects and expenditures of funds and document in board meeting minutes. Develop spreadsheets, process contracts and paperwork.		
Activity Category	Administration/Coordination	Capital Improvement Project?	No
Source of State Contribution	BWSR Clean Water Fund - Targeted Watershed Program	Estimated # of FTEs	0.2
Total Requested Biennial State Contribution	\$20,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$20,000.00	Action or Objective (from plan)	Yellow Medicine Co. Water Plan 2010 Amendment Page 23 Priority Issue #3: Reduce Priority Pollutants -Objective B. Target identified impaired (Total Maximum Daily Load (TMDL) water bodies for implementation of practices to reduce pollutants. Actions 3.
Describe how this activity could be accomplished in the biennium	Complete grant reporting and fiscal management of the grant. Report in State eLINK Reporting program and SWCD website. Supervisors will approve or deny projects and expenditures of funds and document in board meeting minutes.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Promote and enroll approximately 1,135 acres into either the Conservation Reserve Enhancement Program (CREP) and/or the Reinvest in Minnesota (RIM) Programs.		
Activity Category	Administration/Coordination	Capital Improvement Project?	No
Source of State Contribution	RIM Easement Implementation	Estimated # of FTEs	0.35
Total Requested Biennial State Contribution	\$33,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$33,000.00	Action or Objective (from plan)	Yellow Medicine Co. Water Plan 2010 Amendment Page 27 Priority Issue #4: Surface

			Water, Drainage Management and Flooding. Objective A: Minimize losses associated with flooding of agricultural lands. Actions 1 and 2. Yellow Medicine Co. Water Plan 2010 Amendment Page 18 To Protect and Improve Surface and Ground Water Quality by Addressing & Reducing Soil Erosion & Sedimentation -Objective b. Protect and improve the biodiversity of the County. Actions 1.
Describe how this activity could be accomplished in the biennium	The SWCD has a list of 11 potential landowners who have shown interest in retiring land into CREP and/or RIM Programs. These landowners will be approached again to see if they are still interest. The SWCD will: determine if their land is eligible; determine boundaries; determine what practices are needed; help the landowner with the application process; complete agreement and easement stages.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Yellow Medicine County, along with the Cities in Yellow Medicine County, appointed the Yellow Medicine SWCD as the Local Governmental Unit for the Wetland Conservation Act (WCA). SWCD has a Certified Wetland Delineator on staff. SWCD provides the required technical assistance and receives all of the WCA grant dollars, and provides the match as required.		
Activity Category	Administration/Coordination	Capital Improvement Project?	No
Source of State Contribution	NRBG WCA	Estimated # of FTEs	0.35
Total Requested Biennial State Contribution	\$20,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$20,000.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$40,000.00	Action or Objective (from plan)	Yellow Medicine Co. Water Plan 2010 Amendment Page 27 Priority Issue #4: Surface Water, Drainage Management and Flooding. Objective B. Apply watershed based

			principles in properly managing drainage systems. Actions 6.
Describe how this activity could be accomplished in the biennium	Help citizens understand/interpret state rules/statutes. Coordinate with state/federal agencies on wetland technical issues. Assist citizens with technical/admin requirements of wetland replacement/no loss/exemptions. Process tiling requests, building permits, and zoning permits. Use soil/vegetation/hydrology for wetland determinations/review wetland delineations. Review basic applications, make decisions, send out notice of decisions, review replacement plans, etc. Attend training and maintain certification.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Increases were given to employees in 2016, these increases were picked up by BWSR Local Capacity Funds. Portion of this grant will be utilized to pay for these increases and retain existing qualified staff. Funds will also be used for an increase in hours for the Administrative Assistant.		
Activity Category	Administration/Coordination	Capital Improvement Project?	No
Source of State Contribution	SWCD Local Capacity Funds	Estimated # of FTEs	0.3
Total Requested Biennial State Contribution	\$40,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$40,000.00	Action or Objective (from plan)	Yellow Medicine Co. Water Plan 2010 Amendment Page 16-20 To Protect and Improve Surface and Ground Water Quality by Addressing & Reducing Soil Erosion & Sedimentation -Objective A. Reduce erosion & sediment problems to sustainable levels by promoting the use of BMPs, Actions 1- 11.
Describe how this activity could be accomplished in the biennium	Funds will be used for SWCD staff to complete administration of this grant. Administrative duties includes but are not limited to: required eLINK and website reporting, supervision of new staff and coordination of activities, update board on progress of grant activities, etc.		

Water Resource Name	Organization Wide - Surface & Ground Water
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Activity Description	Conservation Delivery Grant will be used for the general administration and operations of the Yellow Medicine SWCD. These administrative and operational costs may include: employee wages and expenses; training; maintaining website; educating and promotion SWCD programs; insurance, postage, dues/fees, utilities, supervisor's compensation and expenses, etc.		
Activity Category	Administration/Coordination	Capital Improvement Project?	No
Source of State Contribution	SWCD Conservation Delivery	Estimated # of FTEs	0.2
Total Requested Biennial State Contribution	\$58,526.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$135,824.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$194,350.00	Action or Objective (from plan)	Yellow Medicine Co Water Plan 2010 Amendment Page 16-20 To Protect and Improve Surface and Ground Water Quality by Addressing & Reducing Soil Erosion & Sedimentation -Objective A. Reduce erosion & sediment problems to sustainable levels by promoting the use of Best Management Practices, Actions 1- 11. The Yellow Medicine One Watershed One Plan is currently being completed. Priority Concerns will be addressed in FY2018-2019.
Describe how this activity could be accomplished in the biennium	Work with local, state and federal partners to promote/educate public on SWCD programs, implement BMPs, enroll land into conservation easements, and support the Implementation of the County Water Plan and the Yellow Medicine One Watershed One Plan. Continue to seek funding to keep our three technicians. Seek training for all staff to obtain job approval authority for their job classifications. Anticipate workload and funding sources could increase due to new Buffer Law, Soil Loss Law and completion of the Yellow Medicine One Watershed One Plan.		

Water Resource Name	Organization Wide - Surface Water
Activity Description	Conduct inspections, document findings, report deficiencies to landowners, implement corrective actions, report ownership changes to the State, work with landowners to complete paperwork to improve

vegetative cover, etc. on State Permanent Easements.			
Activity Category	Administration/Coordination	Capital Improvement Project?	No
Source of State Contribution	RIM Easement Delivery	Estimated # of FTEs	0.3
Total Requested Biennial State Contribution	\$28,902.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$28,902.00	Action or Objective (from plan)	Yellow Medicine Co. Water Plan 2010 Amendment P 17 Objective A: Reduce erosion & sediment problems to sustainable levels by promoting the use of BMPs. Action #5 Continue to manage CREP/RIM/CRP easements, monitor sites, and conduct 100 status reviews each year. The Yellow Medicine One Watershed One Plan is currently being completed, these actions will be addressed in that plan as well.
Describe how this activity could be accomplished in the biennium	Staff will market conservation easement programs, attend training sessions, perform on-site investigations and surveys, and perform courthouse searches. The Easement Delivery Grant will also be used to conduct inspections, document findings, report deficiencies to landowners, implement corrective actions, report ownership changes to the State, work with landowners to complete paperwork to improve vegetative cover, etc.		