



Grant All-Detail Report Targeted Watershed 2015

Grant Title - 2015 - Targeted Watershed (Nicollet SWCD)

Grant ID - P15-0264

Organization - Nicollet SWCD

Grant Awarded Amount	\$1,676,000.00	Grant Execution Date	4/14/2015
Required Match Amount	\$419,000.00	Grant End Date	3/31/2019
Required Match %	25%	Grant Day To Day Contact	Kevin Ostermann

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$1,676,000.00	\$601,008.75	\$1,074,991.25
Total Match Amount	\$946,744.00	\$172,100.17	\$774,643.83
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$2,622,744.00	\$773,108.92	\$1,849,635.08

*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

Budget Details

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Communications	Education/Information	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$32,600.00	\$16,047.69	2/22/2018	N
Communications	Education/Information	Local Fund	Communications Match	\$115,000.00	\$109,747.00	1/30/2017	Y
Community Engagement	Education/Information	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$131,000.00	\$73,946.40	2/22/2018	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Community Engagement	Education/Information	Local Fund	GRG (Bush Foundation); MAWRC; UMN	\$139,944.00	\$5,715.41	12/10/2015	Y
Conservation Programs - In-Field Management Practices	Non-Structural Management Practices	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$110,000.00	\$30,989.75	8/2/2017	N
Conservation Projects - Buffer Strips	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$212,600.00	\$28,205.57	10/3/2017	N
Conservation Projects - Engineering and Design Services	Technical/Engineering Assistance	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$63,348.00	\$39,243.27	11/14/2017	N
Conservation Projects - Feedlot Assistance	Livestock Waste Management	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$16,272.00	\$272.00	8/11/2015	N
Conservation Projects - Recruitment, Project Development, Technical Assistance	Project Development	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$358,388.00	\$214,645.02	2/22/2018	N
Conservation Projects - Sediment Control	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$440,000.00	\$13,126.00	12/9/2015	N
Conservation Projects - Targeted Drainage Improvements	Conservation Drainage	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$90,000.00	\$45,327.53	8/2/2017	N
Conservation Projects - Tile Outlet Treatments	Conservation Drainage	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$140,000.00	\$88,371.79	6/29/2016	N
Contractor Match - All Projects	Agricultural Practices	Local Fund	Contractor Match - All Projects	\$50,000.00	\$26,110.33	12/9/2015	Y
Federal Match - Monitoring	Monitoring/Data Collection	Federal Funds	319 Funds	\$150,000.00			Y
Federal Match Ag Practices - All Projects	Agricultural Practices	Federal Funds	Federal Match	\$250,000.00	\$12,928.00	11/17/2016	Y
Grant Administration	Administration/Coordination	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$14,000.00	\$14,000.00	10/31/2017	N
Landowner Match - All Projects	Agricultural Practices	Landowner Fund	Landowner Match All Projects	\$100,000.00	\$13,795.00	10/3/2017	Y
Nicollet SWCD Match - Admin	Administration/Coordination	Local Fund	SWCD Match	\$93,000.00	\$3,804.43	5/31/2016	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Nicollet SWCD Match - Equipment/Supplies/Facilities/Training	Supplies/Equipment	Local Fund	SWCD Match	\$14,400.00			Y
Partnership Coordination	Administration/Coordination	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$36,800.00	\$27,904.86	2/22/2018	N
Partnership Coordination	Administration/Coordination	Local Fund	Great River Greening	\$14,400.00			Y
Prioritize, Target, Measure	Planning and Assessment	Local Fund	GAC, MAWRC	\$20,000.00			Y
Travel, Equipment, Supplies, Facilities and Professional Development	Supplies/Equipment	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$30,992.00	\$8,928.87	5/12/2017	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
360 - Closure of Waste Impoundments	2	2	1 COUNT	1 COUNT
587 - Structure for Water Control	2	2	3 COUNT	2 COUNT
554 - Drainage Water Management	1	1	1 COUNT	1 COUNT
340 - Cover Crop	210	2	210 AC	210 AC
391M - Feedlot Relocation/Retirement	1	1	1 COUNT	1 COUNT
410 - Grade Stabilization Structure	2	2	0.07 AC	0.07 AC
412 - Grassed Waterway and Swales	1	1	800 LINEAR FEET	800 LINEAR FEET
148M - Erosion Control	0		0	
393 - Filter Strip	1	2	8.54 AC	8.54 AC
329B - Conservation Tillage	389	7	388.7 AC	388.7 AC
638 - Water and Sediment Control Basin	2	1	2 COUNT	2 COUNT

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
605 - Denitrifying Bioreactor	1	1	1 COUNT	1 COUNT
554 - Drainage Water Management	2	2	2 COUNT	2 COUNT
393 - Filter Strip	1	2	3.25 AC	3.25 AC
587 - Structure for Water Control	2	2	2 COUNT	2 COUNT
340 - Cover Crop	466	8	465 AC	465 AC
638 - Water and Sediment Control Basin	1	1	1 COUNT	1 COUNT
172M - Alternative Tile Intake - Gravel Inlet	14	14	7 COUNT	7 COUNT
587 - Structure for Water Control	0		0	

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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Final Indicators Summary

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	428.17	TONS/YR
PHOSPHORUS (EST. REDUCTION)	869.16	LBS/YR
PREVENTION	8.00	COUNT
SOIL (EST. SAVINGS)	1,072.19	TONS/YR
NITROGEN	2,200.00	LBS/YR

Grant Activity

Grant Activity - Communications		
Description	Promote and disseminate Targeted Watershed grant activities through multiple media. Work will include a contract to develop a web content strategy, design, and build a website for Seven Mile Creek watershed activities independent partner websites, 8-12 print and e-newsletters to watershed landowners and other stakeholders, and 4 videos highlighting grant projects.	
Category	EDUCATION/INFORMATION	
Start Date	14-Apr-15	End Date
Has Rates and Hours?	Yes	
Actual Results	<p>2015</p> <ul style="list-style-type: none"> -1 case study informational handout on Targeted Watershed conservation project -Promotional materials (2 post cards) designed and sent to all watershed landowners to promote field day -Program featured in 3 local/regional newspaper articles. <p>2016-New website was finished. Articles published in local/regional newspapers, featuring work done by partners in the watershed and covering watershed conversation meeting held in the fall. Expenses were incurred at the Post Office when stamps were purchased for mailing of invites for Community Meeting. Documents created following the Community Conversation and Core Team meetings are located in the attachments section. Final invoices for 2016 expenses were paid 1/30/2017.</p> <p>2017 - We produced a report titled "Sharing Seven Mile Science." This informal report, written for a general audience, presents a snapshot of the status of the watershed, with information gathered from state sources including MPCA and DNR, and compiled by the Seven Mile Creek Core Team. Dr. Laura Triplett, Dr. Steve Hockett, and Dave Newell were primary authors of the document, which answered questions that had been raised at the Seven Mile Creek Annual Meeting in September 2016.</p> <p>Two videos were produced. The first is "7-Mile Creek Watershed Visioning Conversation," summarizing the first watershed Annual Meeting. With assistance from an intern at Gustavus Adolphus College, we produced a video featuring the experiences of watershed farmers who utilize cover crops. It is available on YouTube, with links from the websites for Great River Greening and Seven Mile Creek Watershed Partnership.</p> <p>Watershed updates were made to the websites for Seven Mile Creek Watershed Partnership, Great River Greening, and Facebook pages.</p> <p>Seven Mile Creek Partnership Updates were featured in Nicollet SWCD newsletters.</p>	



Grant Activity - Community Engagement

Description	<p>This activity will provide funds for events, staff time, and materials to spur local action and leadership in shaping the future of Seven Mile Creek. This will include 4 annual watershed meetings; 6 volunteer-based restoration/conservation projects; 7 Field Days; a watershed community assessment, park visitor survey, and mid-term evaluation of sociocultural indicators; a watershed visioning and conservation planning exercise utilizing novel touchscreen technology and real-time feedback provided the UMN; the formation and support of a farmer-led entity to guide watershed activities; and staff time of the Watershed Coordinator to support these efforts. Watershed Coordinator will manage and oversee all aspects of community engagement effort. Volunteer restoration/conservation events will be managed by Great River Greening's Volunteer and Outreach Manager. Community assessment, park visitor survey, and evaluation will be completed by Dr. Mae Davenport (UMN). Watershed visioning and conservation planning will be supported by the Collaborative GeoDesign Group and Dr. Nick Jordan (UMN). The Minnesota Agricultural Water Resource Center will provide support to the farmer-led effort.</p>		
Category	EDUCATION/INFORMATION		
Start Date	14-Apr-15	End Date	
Has Rates and Hours?	Yes		
Actual Results	<p>2015</p> <p>-4 community outreach events, including 1 demonstration field day, two volunteer conservation events, and 1 farmer-led meeting about water quality</p> <p>2016-Held volunteer CRP planting conservation event. In October hosted 20-30 volunteers on a local farm to assist in the planting of a high variety of pollinator friendly plant species plugs. Hosted 20-30 South Central College ag students in October for a conservation tour. Visited multiple sites around the watershed and presented on the work that Great River Greening and the SWCD are doing. Hosted tour stops on the Legislative Water Commissions tour of the Mankato and St Peter area. Presented to 15-20 legislative representatives on the current work being done in Seven Mile and gave a site tour of the first bioreactor installed in the watershed. Facilitated one community watershed visioning meeting. In September we host 70-80 people at Gustavus to explore the community interaction and visioning for the Seven Mile Creek watershed. Final invoices for 2016 expenses were paid 1/30/2017.</p> <p>2017 - Held four quarterly meetings of the Seven Mile Creek Core Team, a farmer-led group assembled to guide watershed activities. Completed the agricultural community assessment, park visitor survey, and evaluation by Dr. Mae Davenport (UMN). Report is posted on the Seven Mile Creek Partnership website.</p> <p>Published a report, of watershed stakeholder values, expectations, and proposed conservation actions, titled "7-Mile Creek</p>		

Watershed Visioning Conversation: Full Report.” Available here: <http://7-milecreek.org/wp-content/uploads/2016/12/7mcw-full-report-final.pdf>.

Hosted Nicollet County Commissioners on a field tour to see conservation installations.

Grant Activity - Conservation Programs - In-Field Management Practices

Description	<p>Planning, technical, and financial assistance will be provided to landowners willing to commit to implementing new in-field management practices that will improve water quality. Eligible practices will include: fertilizer rate adjustments; fertilizer timing adjustments; fertilizer application method adjustments; adhering to a nutrient management plan; cover cropping; conservation tillage; others as approved by project technical staff.</p> <p>Participating landowners will check-in with project technical staff annually to review and adjust practices; and will be encouraged to participate in project-sponsored informal roundtables to connect with other participating landowners.</p> <p>We will enroll 2,750 acres under this program. Watershed Coordinator and Watershed Technician will manage this program with support from NRCS and other Nicollet SWCD staff.</p>		
Category	NON-STRUCTURAL MANAGEMENT PRACTICES		
Start Date	14-Apr-15	End Date	
Has Rates and Hours?	No		
Actual Results	<p>2015</p> <p>Project development has resulted in 2 FY2016 NWQI sign-ups for conservation tillage/cover crops in the watershed. This grant will provide additional financial incentives to these farmers beginning in 2016.</p> <p>2016-Provided incentive payments on 675 acres of cover crops in the watershed.</p> <p>2017 - Provided incentive payment on 388 acres of strip till. Enrolled an additional 1255 acres in strip till or cover crop incentive contracts.</p>		

Activity Action - TW 11(15) - Peters - In-Field Mgt. Practices			
Practice	340 - Cover Crop	Count of Activities	465
Description	Planted 465 acres of cover crop. Cover crop contract was approved in August 2016. After planting was certified and documented payment was made. Contract was written using program policy that had received SWCD board approval but had not been approved by BC. Corrective action has been taken to update program policy to ensure contracting errors are not made again.		
Proposed Size / Units	465.00 AC	Lifespan	1 Year
Actual Size/Units	465.00 AC	Installed Date	7-Dec-16
Mapped Activities	4 Polygon(s)		

Final Indicator for TW 11(15) - Peters - In-Field Mgt. Practices

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	83.56
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Seven Mile Creek		

Final Indicator for TW 11(15) - Peters - In-Field Mgt. Practices

Indicator Name	SEDIMENT (TSS)	Value	37.54
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Seven Mile Creek		

Final Indicator for TW 11(15) - Peters - In-Field Mgt. Practices

Indicator Name	SOIL (EST. SAVINGS)	Value	162.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Seven Mile Creek		

Activity Action - TW 12(15) - Mogenson - In-Field Mgt. Practices			
Practice	340 - Cover Crop	Count of Activities	210
Description	Cover crop contract was approved in August 2016. After planting was certified and documented payment was made. Contract was written using program policy that had received SWCD board approval but had not been approved by BC. Corrective action has been taken to update program policy to ensure contracting errors are not made again.		
Proposed Size / Units	210.00 AC	Lifespan	1 Year
Actual Size/Units	210.00 AC	Installed Date	7-Dec-16
Mapped Activities	2 Polygon(s)		

Final Indicator for TW 12(15) - Mogenson - In-Field Mgt. Practices			
Indicator Name	SOIL (EST. SAVINGS)	Value	155.48
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	12/7/2016		
Final Indicator for TW 12(15) - Mogenson - In-Field Mgt. Practices			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	77.61
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	12/7/2016		
Final Indicator for TW 12(15) - Mogenson - In-Field Mgt. Practices			
Indicator Name	SEDIMENT (TSS)	Value	35.86
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	12/7/2016		

Activity Action - TW 14(15) - Eric Mann - In-Field Mgt. Practices			
Practice	329B - Conservation Tillage	Count of Activities	389
Description	Strip Till Practice on 388.7 Acres		
Proposed Size / Units	388.70 AC	Lifespan	3 Years
Actual Size/Units	388.70 AC	Installed Date	2-Aug-17
Mapped Activities	7 Polygon(s)		

Final Indicator for TW 14(15) - Eric Mann - In-Field Mgt. Practices			
Indicator Name	SOIL (EST. SAVINGS)	Value	178.80
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)

Waterbody	Seven Mile Creek		
Final Indicator for TW 14(15) - Eric Mann - In-Field Mgt. Practices			
Indicator Name	SEDIMENT (TSS)	Value	41.24
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Seven Mile Creek		
Final Indicator for TW 14(15) - Eric Mann - In-Field Mgt. Practices			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	93.76
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Seven Mile Creek		

Grant Activity - Conservation Projects - Buffer Strips			
Description	<p>Project will enroll an additional 100 acres in 10 year buffer and filter strip contract. Strips will be strategically located along ravine edges and ditch waterways to stabilize banks and to provide best opportunity for multiple functions. Where appropriate strips will also be planned to store/divert surface and subsurface water and provide wildlife habitat.</p> <p>Watershed Coordinator and Watershed Technician will manage project activities with significant support from NRCS and FSA to enroll any appropriate acres into the Conservation Reserve Program.</p>		
Category	AGRICULTURAL PRACTICES		
Start Date	14-Apr-15	End Date	
Has Rates and Hours?	No		
Actual Results	<p>2015</p> <p>We are actively buffering ditches and ravine edges in the Seven Mile Creek watershed - project development in 2015 resulted in contracts to plant an additional 100 acres in spring of 2016, but expiring grant funds (CWA13 grant) will be used to complete these project. Targeted Watershed funds will be used to provide continuity to the filter/buffer strip program once CWA13 expires (12/31/17)</p> <p>2017 - Seeded 11.79 acres of buffers along ravine and ditch edges. Enrolled an additional 31.81 acres in buffer and filter strip program.</p>		

Activity Action - TW 15(15) - Vanzee - Buffer Strip			
Practice	393 - Filter Strip	Count of Activities	1
Description	Installation of Buffer Strip on 8.54 Acres		
Proposed Size / Units	8.54 AC	Lifespan	10 Years
Actual Size/Units	8.54 AC	Installed Date	3-Oct-17
Mapped Activities	2 Polygon(s)		

Final Indicator for TW 15(15) - Vanzee - Buffer Strip			
Indicator Name	SEDIMENT (TSS)	Value	12.86
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Seven Mile Creek		
Final Indicator for TW 15(15) - Vanzee - Buffer Strip			
Indicator Name	SOIL (EST. SAVINGS)	Value	4.01
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Seven Mile Creek		
Final Indicator for TW 15(15) - Vanzee - Buffer Strip			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	24.84
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Seven Mile Creek		

Activity Action - TW 16(15) - RRG - Buffer Strip			
Practice	393 - Filter Strip	Count of Activities	1
Description	Installation of buffer on 3.25 Acres		
Proposed Size / Units	3.25 AC	Lifespan	10 Years
Actual Size/Units	3.25 AC	Installed Date	12-Jul-17
Mapped Activities	2 Polygon(s)		

Final Indicator for TW 16(15) - RRG - Buffer Strip			
Indicator Name	SEDIMENT (TSS)	Value	11.66
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Seven Mile Creek		
Final Indicator for TW 16(15) - RRG - Buffer Strip			
Indicator Name	SOIL (EST. SAVINGS)	Value	1.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Seven Mile Creek		

Final Indicator for TW 16(15) - RRG - Buffer Strip			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	6.03
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Seven Mile Creek		

Grant Activity - Conservation Projects - Engineering and Design Services

Description	<p>Professional engineering and design services for upland and ravine sediment control projects, bioreactors, saturated buffers, constructed wetlands, and other projects as needed.</p> <p>NRCS engineers will provide in-kind project design where appropriate. These funds will be used to secure the services of TSA and private firms, including but not limited to I&S Group.</p>		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	14-Apr-15	End Date	
Has Rates and Hours?	No		
Actual Results	<p>2015</p> <ul style="list-style-type: none"> -Have only received bills for one completed project from I&S for engineering services. -TSA and I&S continue working on future projects with scheduled 2016 installation. <p>2016-Payment was made to I&S for design work on TW 2(15) (Paid 1/6/16 Ck#5204 and 9/21/2015 Ck#5016) Payment was made to MM Engineering for design work on TW 6(15) (Paid 12/28/2016 Ck#5044)</p> <p>2017 - Payments made to Houston Engineering for Ravine Erosion analysis and technical input for sediment control and reduction project.</p>		

Grant Activity - Conservation Projects - Feedlot Assistance

<p>Description</p>	<p>Project activities will focus on assistance to the watershed's two dairies, manure applicators, and small unregulated operators in the watershed.</p> <p>Technical and financial assistance will be provided to encourage regulated operations and manure applicators meet requirement and go "above and beyond" legal requirements.</p> <p>For small unregulated operators, grant funds will be used to provide access to some of the same manure management planning assistance that is required by law for larger operators.</p> <p>Outcomes will include: 4000 "above and beyond" manure spreading acres; 10 feedlot runoff control structures; 8 manure management plans for small operators.</p> <p>Feedlot assistance projects will be managed by the Watershed Coordinator with assistance from NRCS.</p>	
<p>Category</p>	<p>LIVESTOCK WASTE MANAGEMENT</p>	
<p>Start Date</p>	<p>14-Apr-15</p>	<p>End Date</p>
<p>Has Rates and Hours?</p>	<p>No</p>	
<p>Actual Results</p>	<p>2015</p> <ul style="list-style-type: none"> -Worked with NRCS to complete 1 manure pit closure. -Plans in process for additional manure pit closure to be completed in 2016. <p>2016-Worked with NRCS to complete 1 dairy manure pit closure.</p> <p>2017 - No activity</p>	

Activity Action - 1(15) Kevin Michels			
Practice	391M - Feedlot Relocation/Retirement	Count of Activities	1
Description	Feedlot Pit Closure		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	11-Aug-15
Mapped Activities	1 Point(s)		

Final Indicator for 1(15) Kevin Michels			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	MINNFARM
Waterbody	Seven Mile Creek		

Grant Activity - Conservation Projects - Recruitment, Project Development, Technical Assistance

<p>Description</p>	<p>This activity includes targeted project outreach as indicated by PTM activities; individualized farm assessments; conservation planning; project development; project implementation oversight; and project follow-up and future planning.</p> <p>Watershed Coordinator and Watershed Technician will conduct all aspects of this process with targeted landowners. In some cases, District Technician will oversee project implementation oversight as cash match. District Manager will consult and support project development and other aspects of this activity as appropriate as cash match.</p>	
<p>Category</p>	<p>PROJECT DEVELOPMENT</p>	
<p>Start Date</p>	<p>14-Apr-15</p>	<p>End Date</p>
<p>Has Rates and Hours?</p>	<p>Yes</p>	
<p>Actual Results</p>	<p>2015-TWDP projects in development during 2015 include 6 DWM plans, 1 DWM system, 2 bioreactors, 1 agricultural waste pit closure, 2 cover crop/conservation tillage projects, and 1 water quality pond, 3 water quality side inlets.</p> <p>Projects completed in 2015: one pit closure and a major project that included a denitrifying bioreactor, WASCOB, vegetated drainage swale, critical area planting and large DWM system.</p> <p>2016-Additional projects in development during 2016 with continued planning from 2015 include; one saturated buffer, two DWM plans, 2 DWM systems, 8 side inlets, 3 strip till/no-till projects, 2 cover crop projects, 2 bioreactors, , Projects completed in 2016: one pit closure(planned in 2015), two of three water control side inlets under contract(planned in 2015), two DWM plans(planned in 2015), seven open intake replacements, two cover crop contracts and a portion of the instillation of two DWM systems(planned in 2015).</p> <p>Primary expenses for this grant category are for Technicians hours in Project development and Technical Assistance. Technician served as primary contact for landowners involved in conservation projects. Worked with NRCS and other partners to expand the scope of their activities in the watershed and provided technical assistance to both land owners and operators throughout the watershed. Watershed Manager assisted with project management and oversight. Other hours are spread between the work plan activities. Final invoices for 2016 expenses were paid 1/30/2017.</p> <p>2017 - Work in this category remains the same as previous years.</p>	

Grant Activity - Conservation Projects - Sediment Control

<p>Description</p>	<p>The bulk of spending under this category will go to stabilization and restoration of targeted ravines that are contributing a disproportionate amount of the suspended sediment in Seven Mile Creek. We will convene a team of creative, technical experts to identify best practices for ravine stabilization and restoration and to draw plans for 4-6 targeted ravines.</p> <p>In-ravine will in these 4-6 ravines will commence following best efforts to mitigate the peak flows through these ravines from upland areas - in some cases this work is complete. In some cases this work will be carried out through other activity areas in this Targeted Watershed grant.</p> <p>Ravine stabilization experts will include: Marty Melchior, Steve Thomforde, Dr. Patrick Belmont, Dr. Eric Mertens, and Dr. Chris Lenhart.</p> <p>In addition to the in-ravine stabilization projects, this activity will also support upland sediment reduction practices including 20 side inlet replacements and 10 open intake replacements.</p> <p>In-ravine stabilization projects will be managed by the Watershed Coordinator, with assistance from I&S Group and the Watershed Technician. Upland practices will be managed by the Watershed Coordinator or the Watershed Technician.</p>	
<p>Category</p>	<p>AGRICULTURAL PRACTICES</p>	
<p>Start Date</p>	<p>14-Apr-15</p>	<p>End Date</p>
<p>Has Rates and Hours?</p>	<p>No</p>	
<p>Actual Results</p>	<p>2015</p> <p>UMN Department of BBE is in the process of finalizing management recommendations specific to individual ravines in the SMC County Park based on the past few years of soil stability and root density research. The outcome of this work will guide work within ravine system.</p> <p>Developed 3 side inlet grade stabilization structures that will be completed in 2016.</p> <p>2016-Partially completed the project which included the 3 side inlet grade stabilization structures that were planned in 2015. Weather and contractor delays affected final completion date. Contracted with Houston Engineering to begin prioritization of major sediment control projects in the Seven Mile Creek Ravine interface.</p> <p>2017-Finished the 3 side inlet grade stabilization structures.</p>	

Contracted with Houston Engineering to complete ravine erosion analysis and concept project design.

Activity Action - TW 2(15) Jerry Payne			
Practice	638 - Water and Sediment Control Basin	Count of Activities	2
Description	Installation of a WASCORB and Waterway Structure.		
Proposed Size / Units	2.00 COUNT	Lifespan	10 Years
Actual Size/Units	2.00 COUNT	Installed Date	9-Dec-15
Mapped Activities	1 Point(s)		

Final Indicator for TW 2(15) Jerry Payne			
Indicator Name	SEDIMENT (TSS)	Value	17.61
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Seven Mile Creek		

Final Indicator for TW 2(15) Jerry Payne			
Indicator Name	SOIL (EST. SAVINGS)	Value	8.58
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Seven Mile Creek		

Final Indicator for TW 2(15) Jerry Payne			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	36.28
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Seven Mile Creek		

Grant Activity - Conservation Projects - Targeted Drainage Improvements

<p>Description</p>	<p>Projects will provide financial assistance to landowners for the incorporation of principles of controlled drainage into new and existing subsurface tile systems. This will include planning and design, infrastructure, and land management incentives. Projects could also include practices that temporarily or permanently store surface or subsurface water before it moves downstream. Projects must contribute to reduced volume or peak flows in watershed ditch systems and the mainstem of Seven Mile Creek.</p> <p>Through this activity we will plan and install conservation drainage systems covering 2500 acres (or retrofit existing pattern tile) , and secure commitment from landowners to work with project technical experts for at least 4 years to plan water elevation settings and water release dates.</p> <p>Watershed Coordinator and Watershed Technician will identify cooperators, develop, and manage projects. Project design will be done by outside firm (e.g. I&S Group, Air Row Surveying) or NRCS, as appropriate.</p>		
<p>Category</p>	<p>CONSERVATION DRAINAGE</p>		
<p>Start Date</p>	<p>14-Apr-15</p>	<p>End Date</p>	
<p>Has Rates and Hours?</p>	<p>No</p>		
<p>Actual Results</p>	<p>2015-1 water quality pond and 1 DWM system set for construction in 2016</p> <p>2016-Started construction on water quality pond and two drainage water management projects. Assisted with planning of one additional DWM project for completion in 2017. Weather, contractor and NRCS delays significantly contributed lack of completion of projects.</p> <p>2017-Completed construction of water quality pond. Completed DWM projects started in 2016.</p>		

Activity Action - TW 10(15) S&B Wenner - Drainage			
Practice	587 - Structure for Water Control	Count of Activities	2
Description	Two of the three were installed and preliminary dirt work was completed on the third. Because this contract expired before the completion date, a new contract 10(15) was created to fund the final payment. The partial payment made on this contract is now considered a final payment.		
Proposed Size / Units	2.00 COUNT	Lifespan	10 Years
Actual Size/Units	2.00 COUNT	Installed Date	29-Jun-16
Mapped Activities	2 Point(s)		

Final Indicator for TW 10(15) S&B Wenner - Drainage			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Seven Mile Creek		

Activity Action - TW 3(15) - S&B Wenner - Drainage Improvements			
Practice	587 - Structure for Water Control	Count of Activities	2
Description	Two of the three were installed and preliminary dirt work was completed on the third. Because this contract expired before the completion date, a new contract 10(15) was created to fund the final payment. The partial payment made on this contract is now considered a final payment.		
Proposed Size / Units	3.00 COUNT	Lifespan	10 Years
Actual Size/Units	2.00 COUNT	Installed Date	29-Jun-16
Mapped Activities	2 Point(s)		

Final Indicator for TW 3(15) - S&B Wenner - Drainage Improvements			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	25.36
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Seven Mile Creek		

Final Indicator for TW 3(15) - S&B Wenner - Drainage Improvements			
Indicator Name	SOIL (EST. SAVINGS)	Value	22.05
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Seven Mile Creek		

Final Indicator for TW 3(15) - S&B Wenner - Drainage Improvements			
Indicator Name	SEDIMENT (TSS)	Value	22.05

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Seven Mile Creek		

Grant Activity - Conservation Projects - Tile Outlet Treatments

Description	<p>This activity will provide financial assistance for field-edge tile outlet practices to reduce nutrients in sub-surface drainage water. Project under this activity will also be planned to detain water as much as practicable in order to reduce downstream peak flows.</p> <p>Watershed Coordinator and Watershed Technician will manage these projects with technical assistance from NRCS, MDA, and BWSR.</p> <p>We plan to install 6 constructed wetlands, 10 bioreactors, and 30 acres of saturated buffers.</p>		
Category	CONSERVATION DRAINAGE		
Start Date	14-Apr-15	End Date	
Has Rates and Hours?	No		
Actual Results	<p>2015</p> <p>-2 bioreactors set for construction 2016.</p> <p>-2016 Completed 7 open intake replacements, Have 2 bioreactors, 3 DWM projects, and another 6 open intake replacements in the planning/construction phase.</p> <p>2017 - Completed the 2 bioreactors that were planned. Maintained communications with renters on open intake replacement, no movement on the landowners side.</p>		

Activity Action - Kevin Michels TW 7(15)			
Practice	172M - Alternative Tile Intake - Gravel Inlet	Count of Activities	7
Description	Open Intake Replacement		
Proposed Size / Units	7.00 COUNT	Lifespan	10 Years
Actual Size/Units	7.00 COUNT	Installed Date	29-Jun-16
Mapped Activities	7 Point(s)		

Final Indicator for Kevin Michels TW 7(15)			
Indicator Name	SOIL (EST. SAVINGS)	Value	88.69
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Seven Mile Creek		
Final Indicator for Kevin Michels TW 7(15)			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	41.88
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Seven Mile Creek		
Final Indicator for Kevin Michels TW 7(15)			
Indicator Name	SEDIMENT (TSS)	Value	20.45
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Seven Mile Creek		

Activity Action - TW 2(15) Charles Peters - Tile Outlet Treatment			
Practice	554 - Drainage Water Management	Count of Activities	1
Description	Installed Drainage water management structures and bio reactor.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	9-Dec-15
Mapped Activities	1 Polygon(s)		

Final Indicator for TW 2(15) Charles Peters - Tile Outlet Treatment			
Indicator Name	NITROGEN	Value	1100
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Seven Mile Creek		

Grant Activity - Contractor Match - All Projects	
Description	Match received by contractors on project installation and supplies discounts.
Category	AGRICULTURAL PRACTICES
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Grant Activity - Federal Match - Monitoring	
Description	319 Funds through GAC for monitoring BMP effectiveness within the 7-Mile Creek Watershed
Category	MONITORING/DATA COLLECTION
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Grant Activity - Federal Match Ag Practices - All Projects	
Description	Federal Match funds on all projects - NRCS, EQIP, CRP, Fishers and Farmers
Category	AGRICULTURAL PRACTICES
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Grant Activity - Grant Administration	
Description	Budget tracking, record keeping, and reporting. Seven Mile Creek watershed coordinator will serve as the primary grant administrator - tracking grant and match budgets and expenditures, maintaining records of expenditures, and completing reporting. Nicollet SWCD District Manager will backstop, check-in on budgets, administration procedures, and ensure compliance with grant and agency rules.
Category	ADMINISTRATION/COORDINATION
Start Date	14-Apr-15 End Date
Has Rates and Hours?	Yes
Actual Results	<p>2015 -Grant administration hours were only through Great River Greening. All hours were billed to grant by Greening.</p> <p>2016 -Grant administration hours from Great River Greening billed to grant. SWCD had match Admin hours that have been reported. Final invoices for 2016 expenses were paid 1/30/2017.</p> <p>2017 -Administration hours from Great River Greening billed to grant. Hours billed were used to pay Watershed Coordinator position through partnership.</p>

Grant Activity - Landowner Match - All Projects	
Description	Landowner Match - All Projects
Category	AGRICULTURAL PRACTICES
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Grant Activity - Nicollet SWCD Match - Admin	
Description	Project Development and Grant Management Match
Category	ADMINISTRATION/COORDINATION
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Grant Activity - Nicollet SWCD Match - Equipent/Supplies/Facilities/Training	
Description	SWCD Match through the use of equipment, facilities, training and supplies.
Category	SUPPLIES/EQUIPMENT
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Grant Activity - Partnership Coordination

Description	<p>The Seven Mile Creek Watershed Partnership is the backbone of activities and success in this watershed. Partner agencies, organizations, and companies provide invaluable technical expertise, fundraising prowess, and financial resources to our work in this watershed. Taking full advantage of existing partnerships, cultivating new partnerships, and leveraging the power of our collective action to maximize project success is the goal of this activity. The Watershed Coordinator with support of Great River Greening will be responsible for this activity.</p> <p>These resources will be used to support on-going partner initiatives that will elevate and amplify the other activities under this grant program; and contribute to achieve the impairment reduction goals. This includes supporting the UMN Sustainable Biomass Planning Project and the USACE Minnesota River Interagency Study Team, and other partner initiatives as they arise. We will also work with partners to submit at least 4 matching grant funding proposals to add to the Targeted Watershed body of work in Seven Mile Creek.</p>	
Category	ADMINISTRATION/COORDINATION	
Start Date	14-Apr-15	End Date
Has Rates and Hours?	Yes	
Actual Results	<p>Partnership has continued to increase outreach and community activities within the grant. Field days open to the community, representation at area conservation meetings, and publishing conservation information in the SWCD newsletter, are ways the partnership continues to work well.</p> <p>2017 - Represented Seven Mile Creek Watershed by participating in watershed planning activities for MPCA WRAPS, BWSR One Watershed One Plan, and Nicollet County local water management planning, and EPA 319.</p> <p>Represented the watershed through communication and participation with the Minnesota River Congress, Watershed Network, and the USFWS Watershed Leaders Network.</p> <p>Collaborated with Le Sueur River Watershed Network to develop a new, regional, market-based cover crop initiative.</p> <p>Applied for one grant through USFWS Fishers & Farmers Partnership and assisted Gustavus Adolphus College with the successful application for an EPA 319 monitoring grant to begin in 2018. Managed additional Seven Mile Creek Watershed grants from Fishers & Farmers Partnership, Bush Foundation, One Mississippi Foundation.</p>	

Grant Activity - Prioritize, Target, Measure	
Description	Over the next four years, the rate of progress and change within the Seven Mile Creek watershed will be rapid. The primary models used used to prioritize and target grant projects will be updated with implemented BMPs annually and re-run by watershed partners (U.S. Army Corps of Engineers and the University of Minnesota) to estimate project impacts to pollutant loads in Seven Mile Creek as well as to provide up-to-date targeting and BMP recommendation information.
Category	PLANNING AND ASSESSMENT
Start Date	14-Apr-15
End Date	
Has Rates and Hours?	No
Actual Results	<p>2015</p> <p>No expenses to date (though, see Partnership Coordination). PTM activities for the watershed are handled through these partners and these funds are intended (where/when necessary) to contribute to partners' efforts to develop PTM information for the Watershed.</p> <p>Awaiting summary of water quality monitoring data from MPCA.</p> <p>Re-established monitoring stations at CDs 13 and 46 in fall 2015 in partnership with MPCA and Gustavus Adolphus College.</p> <p>Developed agreement with GAC to use GIS license to run prioritization/targeting tools including PTMApp and ACPF for watershed.</p>

Grant Activity - Travel, Equipment, Supplies, Facilities and Professional Development

Description	Expenditures under this activity will support day-to-day operations of project staff and will include travel, facilities, equipment, and professional development expenses.		
Category	SUPPLIES/EQUIPMENT		
Start Date	14-Apr-15	End Date	
Has Rates and Hours?	No		
Actual Results	<p>2015</p> <ul style="list-style-type: none"> -Watershed Coordinator and Watershed Technician attended BWSR Academy -Purchased office supplies and computer for Watershed Technician <p>2016-Watershed Technician participated in multiple training's and professional development opportunities. Technician completed the Watershed Specialist Training program through the University of Minnesota in the spring of 2016, attended a Drainage Workshop facilitated by ISG in March, and attended BWSR Academy in October. In addition the Technician was asked to participate in NRCS's Conservation Bootcamp where he was introduced to the NRCS 9-step planning process and other NRCS technical tools for conservation delivery. Final invoices for 2016 expenses were paid 1/30/2017.</p> <p>Watershed Coordinator also attended multiple training, professional development, and was asked to speak at a conference in the fall of 2016 regarding the work being done in Seven Mile and the partnership with UMN on projects in the watershed. Due to staff turnover exact dates and topic are not available. Great River Greening was reimbursed for the expenses incurred by the Coordinator through the Targeted Watershed Grant.</p> <p>2017 - Purchased new computer for Seven Mile Creek project work.</p>		

Grant Attachments

Document Name	Document Type	Description
2015 Targeted Watershed	Grant Agreement	2015 Targeted Watershed - Nicollet SWCD
2015 Targeted Watershed executed	Grant Agreement	2015 Targeted Watershed - Nicollet SWCD
2016 Billable Rates	Grant	2015 - Targeted Watershed (Nicollet SWCD)
7 Mile Creek Fall Report	Grant	2015 - Targeted Watershed (Nicollet SWCD)
7 Mile Creek Watershed Visioning Report	Grant	2015 - Targeted Watershed (Nicollet SWCD)
7Mile Creek Winter Report	Grant	2015 - Targeted Watershed (Nicollet SWCD)

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/11/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 05/05/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/26/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/02/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/31/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 05/02/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 05/23/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/11/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/27/2016
Corrective Action Plan Response_Nicollet_061517	Grant	2015 - Targeted Watershed (Nicollet SWCD)
Corrective Action Plan_Nicollet	Grant	2015 - Targeted Watershed (Nicollet SWCD)
DRAFT Agreement Nicollet County Nicollet SWCD	Grant	2015 - Targeted Watershed (Nicollet SWCD)
Email string between Karen G and Matt Drewitz	Journal	Journal Dated - 04/14/2015
MOA County of Nicollet and Nicollet SWCD	Grant	2015 - Targeted Watershed (Nicollet SWCD)
PTM Summary_Seven Mile Creek	Grant	2015 - Targeted Watershed (Nicollet SWCD)
Proposal Presentation_Seven Mile Creek	Grant	2015 - Targeted Watershed (Nicollet SWCD)
ReallocationApproval	Grant	2015 - Targeted Watershed (Nicollet SWCD)
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 07/05/2017
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 05/11/2017
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/14/2016
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/14/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/09/2018
Workplan_Timeline Overview_Seven Mile Creek	Grant	2015 - Targeted Watershed (Nicollet SWCD)