



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	\$294,088.88	\$1,381,911.12
Total Match Amount	\$730,396.33	\$39,015.25	\$691,381.08
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$2,406,396.33	\$333,104.13	\$2,073,292.20

*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	Match
Communications	Education/Information	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$32,600.00	\$3,156.11	9/15/2016	N
Community Engagement	Education/Information	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$151,000.00	\$30,560.92	9/15/2016	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction	
						Date	Match
Community Engagement	Education/Information	Local Fund	GRG (Bush Foundation); MAWRC; UMN	\$249,600.00			Y
Conservation Programs - In-Field Management Practices	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$104,321.25			N
Conservation Programs - In-Field Management Practices	Agricultural Practices	Federal Funds	NRCS	\$10,000.00			Y
Conservation Projects - Buffer Strips	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$65,000.00			N
Conservation Projects - Buffer Strips	Agricultural Practices	Federal Funds	NRCS & CRP	\$150,000.00			Y
Conservation Projects - Engineering and Design Services	Technical/Engineering Assistance	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$132,220.00	\$15,203.02	7/20/2016	N
Conservation Projects - Engineering and Design Services	Technical/Engineering Assistance	Local Fund	I&S Group	\$15,000.00			Y
Conservation Projects - Feedlot Assistance	Livestock Waste Management	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$74,728.00			N
Conservation Projects - Feedlot Assistance	Livestock Waste Management	Federal Funds	NRCS	\$9,522.00			Y
Conservation Projects - Recruitment, Project Development, Technical Assistance	Project Development	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$358,388.00	\$91,343.63	9/30/2016	N
Conservation Projects - Recruitment, Project Development, Technical Assistance	Project Development	Local Fund	Nicollet SWCD	\$63,912.00			Y
Conservation Projects - Sediment Control	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$426,874.00			N
Conservation Projects - Sediment Control	Agricultural Practices	Federal Funds	NRCS	\$40,000.00			Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction	
						Date	Match
Conservation Projects - Sediment Control	Agricultural Practices	Local Fund	Fishers & Farmers Partnership	\$40,000.00			Y
Conservation Projects - Targeted Drainage Improvements	Conservation Drainage	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$15,000.00			N
Conservation Projects - Targeted Drainage Improvements	Conservation Drainage	Federal Funds	NRCS	\$20,000.00			Y
Conservation Projects - Tile Outlet Treatments	Conservation Drainage	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$51,628.21			N
Conservation Projects - Tile Outlet Treatments	Conservation Drainage	Federal Funds	NRCS	\$20,000.00			Y
Grant Administration	Administration /Coordination	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$14,000.00	\$8,136.96	9/15/2016	N
Grant Administration	Administration /Coordination	Local Fund	Nicollet SWCD	\$24,384.00	\$3,836.92	5/31/2016	Y
Other - Travel, Supplies, Equipment, Professional Development	Supplies/Equipment	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$30,992.00	\$4,812.42	3/7/2016	N
Other - Travel, Supplies, Equipment, Professional Development	Supplies/Equipment	Local Fund	Bush Foundation	\$4,000.00			Y
Other - Travel, Supplies, Equipment, Professional Development	Supplies/Equipment	Local Fund	Nicollet SWCD	\$14,400.00			Y
Partnership Coordination	Administration /Coordination	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$36,800.00	\$7,568.75	9/15/2016	N
Partnership Coordination	Administration /Coordination	Local Fund	Great River Greening	\$14,400.00			Y
Prioritize, Target, Measure	Planning and Assessment	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$20,000.00			N
Prioritize, Target, Measure	Planning and Assessment	Local Fund	UMN, USACE	\$20,000.00			Y
TW 1(15) - Kevin Michels - Feedlot Assistance	Livestock Waste Management	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$272.00	\$272.00	8/11/2015	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction	
						Date	Match
TW 1(15) - Kevin Michels - Feedlot Assistance	Livestock Waste Management	Federal Funds	EQIP	\$478.00	\$478.00	8/11/2015	Y
TW 1(15) - Kevin Michels - Feedlot Assistance	Livestock Waste Management	Landowner Fund	Landowner Match	\$250.00	\$250.00	8/11/2015	Y
TW 11(15) - Peters - In-Field Mgt. Practices	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$5,678.75	\$5,678.75	12/7/2016	N
TW 2(15) - Charles Peters - Tile Outlet Treatments - (Bioreactor)	Conservation Drainage	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$87,059.29	\$87,059.29	12/9/2015	N
TW 2(15) - Charles Peters - Tile Outlet Treatments - (Bioreactor)	Conservation Drainage	Local Fund	City of North Mankato	\$1,897.50	\$1,897.50	12/9/2015	Y
TW 2(15) - Charles Peters - Tile Outlet Treatments - (Bioreactor)	Conservation Drainage	Local Fund	Contractor Match	\$23,476.83	\$23,476.83	12/9/2015	Y
TW 2(15) - Charles Peters - Tile Outlet Treatments - (Bioreactor)	Conservation Drainage	Local Fund	Nicollet SWCD	\$736.00	\$736.00	12/9/2015	Y
TW 2(15) - Jerry Payne - Sediment Control (WASCOB)	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$13,126.00	\$13,126.00	12/9/2015	N
TW 2(15) - Jerry Payne - Sediment Control (WASCOB)	Agricultural Practices	Landowner Fund	Landowner Match	\$8,340.00	\$8,340.00	12/9/2015	Y
TW 3(15) - S&B Wenner - Drainage Improvements	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$55,000.00	\$25,858.53	6/29/2016	N
TW 7(15) - K. Michels - Tile Outlet Treatment	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Nicollet SWCD)	\$1,312.50	\$1,312.50	6/30/2016	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
360 - Closure of Waste Impoundments	1	1	1 COUNT	1 COUNT
747 - Denitrifying Bioreactor	1	1	1 COUNT	1 COUNT

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
638 - Water and Sediment Control Basin	1	1	1 COUNT	1 COUNT
148M - Erosion Control	0	0	0	0
587 - Structure for Water Control	0	0	0	0
163M - Pond, Push-up	1	0	0.7 AC	0.7 AC
340 - Cover Crop	1	4	465 AC	465 AC
412 - Grassed Waterway and Swales	1	1	800 LINEAR FEET	800 LINEAR FEET

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
SOIL (EST. SAVINGS)	450.33	TONS/YR
SEDIMENT (TSS)	181.45	TONS/YR
NITROGEN	1,170.00	LBS/YR
PREVENTION	1.00	COUNT
PHOSPHORUS (EST. REDUCTION)	389.27	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.

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	2015 -4 community outreach events, including 1 demonstration field day, two volunteer conservation events, and 1 farmer-led meeting about water quality		

Grant Activity - Conservation Programs - In-Field Management Practices

Description	<p>Planning, technical, and financial assistance will be provided to landowners willing to commit to four years of 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	AGRICULTURAL PRACTICES		
Start Date	14-Apr-15	End Date	
Has Rates and Hours?	No		
Actual Results	2015 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.		

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 (12/31/16)</p>	

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. 	

Grant Activity - Conservation Projects - Feedlot Assistance

Description	<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>	
Category	LIVESTOCK WASTE MANAGEMENT	
Start Date	14-Apr-15	End Date
Has Rates and Hours?	No	
Actual Results	2015 -Worked with NRCS to complete 1 manure pit closure. -Plans in process for additional manure pit closure to be completed in 2016.	

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>	

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>	

Grant Activity - Conservation Projects - Targeted Drainage Improvements

Description	<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>		
Category	CONSERVATION DRAINAGE		
Start Date	14-Apr-15	End Date	
Has Rates and Hours?	No		
Actual Results	2015 -1 water quality pond and 1 DWM system set for construction in 2016		

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	2015 -2 bioreactors set for construction 2016.		

Grant Activity - Grant Administration

Description	<p>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.</p>		
Category	ADMINISTRATION/COORDINATION		
Start Date	14-Apr-15	End Date	
Has Rates and Hours?	Yes		
Actual Results	2015 -Grant administration hours were only through Great River Greening. All hours were billed to grant by Greening.		

Grant Activity - Other - Travel, Supplies, Equipment, 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	2015 -Watershed Coordinator and Watershed Technician attended BWSR Academy -Purchased office supplies and computer for Watershed Technician

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	2015 - Watershed Coordinator participation in a variety of meetings and workshops including the New Agricultural Bioeconomy Project, the MN River Interagency Study Team, Watershed Network, and others. -Conducted 2 watershed tours for watershed partners and stakeholders. - Work with SMC watershed partners to submit (1) and develop (2, submitted in 2016) funding proposals to further support the SMC watershed.	

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 - TW 1(15) - Kevin Michels - Feedlot Assistance			
Description	Pit Closure on inactive manure storage pit. Pit is being closed due to safety concerns and pollution prevention from contaminated soils on site. Animal units have been removed from this site and this closure is reducing groundwater pollution due to contaminated soils.		
Category	LIVESTOCK WASTE MANAGEMENT		
Start Date	17-Jun-15	End Date	11-Aug-15
Has Rates and Hours?	No		
Actual Results	Small manure pit closure complete. Nicollet County feedlot officers confirmed closure process and signed off on closure once completed. Contaminated soils were removed from the pit, and the pit filled in.		

Activity Action - Kevin Michels TW 1(15)			
Practice	360 - Closure of Waste Impoundments	Count of Activities	1
Description	1 Pit Closure		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	8-Jul-15
Mapped Activities	1 Point(s)		

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

Grant Activity - TW 11(15) - Peters - In-Field Mgt. Practices			
Description	TW 11(15) - Peters - In-Field Mgt. Practices - Cover Crop Installation on 465 acres within watershed.		
Category	AGRICULTURAL PRACTICES		
Start Date	3-Aug-16	End Date	07-Dec-16
Has Rates and Hours?	No		
Actual Results	Planted 465 acres of cover crop.		

Activity Action - TW 11(15) - Peters - In-Field Mgt. Practices			
Practice	340 - Cover Crop	Count of Activities	1
Description	Cover Crop		
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	SOIL (EST. SAVINGS)	Value	441.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Seven Mile Creek		

Final Indicator for TW 11(15) - Peters - In-Field Mgt. Practices			
Indicator Name	SEDIMENT (TSS)	Value	163.84
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Seven Mile Creek		
Final Indicator for TW 11(15) - Peters - In-Field Mgt. Practices			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	353.09
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Seven Mile Creek		

Grant Activity - TW 2(15) - Charles Peters - Tile Outlet Treatments - (Bioreactor)			
Description	Bio-Reactor install designed by I&S on Charles Peters property. This project is in addition to a Waterway and WASCOB structure that will also be installed on site. Karen Gallen with Great River Greening will be project lead.		
Category	CONSERVATION DRAINAGE		
Start Date	7-Oct-15	End Date	09-Dec-15
Has Rates and Hours?	No		
Actual Results	Install complete on 115' Bio-Reactor. Karen Galles working with I&S on engineering, design and close out. This project was completed along with a waterway and WASCOB structure. The watershed draining into this structure (from the south) was pattern tiled with water control structures and water gates to further manage the water leaving the watershed.		

Activity Action - Charles Peters TW 2(15) Bio-Reactor			
Practice	747 - Denitrifying Bioreactor	Count of Activities	1
Description	Bio-Reactor		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	15-Oct-15
Mapped Activities	1 Point(s)		

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

Activity Action - Deleted			
Practice	587 - Structure for Water Control	Count of Activities	0
Description			
Proposed Size / Units	0.00	Lifespan	Unknown
Actual Size/Units		Installed Date	
Mapped Activities	No		

Activity Action - Deleted			
Practice	148M - Erosion Control	Count of Activities	0
Description			
Proposed Size / Units	0.00	Lifespan	Unknown
Actual Size/Units		Installed Date	
Mapped Activities	No		

Grant Activity - TW 2(15) - Jerry Payne - Sediment Control (WASCOB)			
Description	Waterway and WASCOB Structures designed by I&S Engineering. Projects were managed by Karen Galles with Great River Greening and installed in combination with a Bioreactor project. All design and close out engineering work was completed by I&S Engineering.		
Category	AGRICULTURAL PRACTICES		
Start Date	7-Oct-15	End Date	09-Dec-15
Has Rates and Hours?	No		
Actual Results	One 800' Waterway constructed to allow secure outlet for over flow water going through Bioreactor structure. one WASCOB structure installed at ditch to slow water flowing through waterway, giving it a stable outlet into the ditch. Water leaving this system will flow through a bioreactor most of the time. During high flows, excess water will bypass the bioreactor, flowing through the waterway and WASCOB structure, allowing all water leaving the site to receive some pollution reduction benefit.		

Activity Action - Charles Peters TW 2(15) - Waterway			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	800' Grassed waterway install.		
Proposed Size / Units	800.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	800.00 LINEAR FEET	Installed Date	15-Oct-15
Mapped Activities	1 Polygon(s)		

Final Indicator for Charles Peters TW 2(15) - Waterway			
Indicator Name	SOIL (EST. SAVINGS)	Value	0.58
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Seven Mile Creek		

Final Indicator for Charles Peters TW 2(15) - Waterway			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	26.98
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Seven Mile Creek		

Final Indicator for Charles Peters TW 2(15) - Waterway			
Indicator Name	SEDIMENT (TSS)	Value	9.61
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Seven Mile Creek		

Activity Action - Charles Peters TW 2(15) - WASC OB			
Practice	638 - Water and Sediment Control Basin	Count of Activities	1
Description	WASC OB structure on ditch outlet.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	15-Oct-15
Mapped Activities	1 Point(s)		

Final Indicator for Charles Peters TW 2(15) - WASC OB			
Indicator Name	SOIL (EST. SAVINGS)	Value	8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Seven Mile Creek		

Final Indicator for Charles Peters TW 2(15) - WASCOB			
Indicator Name	SEDIMENT (TSS)	Value	8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Seven Mile Creek		
Final Indicator for Charles Peters TW 2(15) - WASCOB			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	9.20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Seven Mile Creek		

Grant Activity - TW 3(15) - S&B Wenner - Drainage Improvements			
Description	TW 3(15) - S&B Wenner - Drainage Improvements		
Category	AGRICULTURAL PRACTICES		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

Activity Action - TW 3(15)			
Practice	163M - Pond, Push-up	Count of Activities	1
Description	Installation of a Water Retention Pond and Side Inlet on County Ditch		
Proposed Size / Units	0.70 AC	Lifespan	10 Years
Actual Size/Units	0.70 AC	Installed Date	
Mapped Activities	No		

Final Indicator for TW 3(15)			
Indicator Name	NITROGEN	Value	70
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Literature Value
Waterbody	Seven Mile Creek		

Grant Activity - TW 7(15) - K. Michels - Tile Outlet Treatment

Description	TW 7(15) - K. Michels - Tile Outlet Treatment		
Category	AGRICULTURAL PRACTICES		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

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
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/11/2016
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
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 05/02/2016
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)
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/14/2015
Workplan_Timeline Overview_Seven Mile Creek	Grant	2015 - Targeted Watershed (Nicollet SWCD)