



# Grant All-Detail Report Targeted Watershed 2015

**Grant Title** - 2015 - Targeted Watershed (Scott County WMO)

**Grant ID** - P15-0833

**Organization** - Scott County WMO

<b>Grant Awarded Amount</b>	<b>\$2,200,000.00</b>	<b>Grant Execution Date</b>	<b>3/11/2015</b>
<b>Required Match Amount</b>	<b>\$550,000.00</b>	<b>Grant End Date</b>	<b>3/31/2019</b>
<b>Required Match %</b>	<b>25%</b>	<b>Grant Day To Day Contact</b>	<b>Ryan Holzer</b>

## Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$2,200,000.00	\$82,292.10	\$2,117,707.90
Total Match Amount	\$613,500.00	\$41,510.84	\$571,989.16
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$2,813,500.00</b>	<b>\$123,802.94</b>	<b>\$2,689,697.06</b>

*\*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
Administration	Administration /Coordination	Local Fund	Scott WMO levy	\$100,000.00	\$5,725.46	12/31/2015	Y
Bartusek Ben WASCBS & Grassed WW (Rice Co) CP-15-098	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$13,791.00	\$11,639.00	12/31/2015	N
Bartusek Ben WASCBS & Grassed WW (Rice Co) CP-15-098	Agricultural Practices	Landowner Fund	Landowner Portion	\$4,597.00	\$3,879.00	12/31/2015	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Citizen Engagement - General Outreach	Education/Information	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$10,000.00			N
Citizen Engagement - General Outreach	Education/Information	Local Fund	Scott WMO levy	\$10,000.00	\$2,622.81	12/31/2015	Y
Citizen Engagement - Land Owner Surveys	Special Projects	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$55,000.00			N
Cover crop & Nutrient Management Pilots	Non-Structural Management Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$25,000.00			N
Cover crop & Nutrient Management Pilots	Non-Structural Management Practices	Local Fund	Scott WMO levy	\$10,000.00			Y
Final Report	Administration /Coordination	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$25,000.00			N
Final Report	Administration /Coordination	Local Fund	Scott WMO levy	\$7,500.00			Y
Franek Ken WASCB (Rice Co) CP-15-107	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$2,775.00			N
Franek Ken WASCB (Rice Co) CP-15-107	Agricultural Practices	Landowner Fund	Landowner Portion	\$925.00			Y
In-Lake Management - McMahan Lk Alum Application	Special Projects	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$40,000.00			N
In-Lake Management - McMahan Lk Alum Application	Special Projects	Local Fund	Scott WMO levy	\$40,000.00			Y
Pany Andy WASCB (LS Co) CP-15-252	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$3,900.00			N
Pany Andy WASCB (LS Co) CP-15-252	Agricultural Practices	Landowner Fund	Landowner Portion	\$1,300.00			Y
Project Development	Project Development	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$5,000.00			N
Project Development	Project Development	Local Fund	Scott WMO levy, MAWRC Funds	\$66,000.00	\$4,561.38	12/31/2015	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Shambour Leonard WASCB (LS Co) CP-15-073	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$12,225.00			N
Shambour Leonard WASCB (LS Co) CP-15-073	Agricultural Practices	Landowner Fund	Landowner Portion	\$4,075.00			Y
Shimota Charles Grassed WW (Rice Co) CP-15-221	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$13,657.50			N
Shimota Charles Grassed WW (Rice Co) CP-15-221	Agricultural Practices	Landowner Fund	Landowner Portion	\$4,552.50			Y
Shimota Charles WASCB (Rice Co) CP-15-220	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$3,702.00			N
Shimota Charles WASCB (Rice Co) CP-15-220	Agricultural Practices	Landowner Fund	Landowner Portion	\$1,234.00			Y
Skruzacek John Terraces (Rice Co) CP-15-226	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$10,492.50			N
Skruzacek John Terraces (Rice Co) CP-15-226	Agricultural Practices	Landowner Fund	Landowner Portion	\$3,497.50			Y
Skruzacek John WASCBs (Rice Co) CP-15-227	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$7,537.50			N
Skruzacek John WASCBs (Rice Co) CP-15-227	Agricultural Practices	Landowner Fund	Landowner Portion	\$2,512.50			Y
Sticha Ronald WASCB (Rice Co) CP-15-099	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$4,088.25			N
Sticha Ronald WASCB (Rice Co) CP-15-099	Agricultural Practices	Landowner Fund	Landowner Portion	\$1,362.75			Y
Sullivan Ralph Terraces (Rice Co) CP-15-160	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$8,381.25			N
Sullivan Ralph Terraces (Rice Co) CP-15-160	Agricultural Practices	Landowner Fund	Landowner Portion	\$2,793.75			Y
Sullivan Ralph WASCB (Rice Co) CP-15-158	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$6,956.25			N
Sullivan Ralph WASCB (Rice Co) CP-15-158	Agricultural Practices	Landowner Fund	Landowner Portion	\$2,318.75			Y
Sullivan Ralph WASCB (Rice Co) CP-15-159	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$5,006.25			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Sullivan Ralph WASCB (Rice Co) CP-15-159	Agricultural Practices	Landowner Fund	Landowner Portion	\$1,668.75			Y
TACS Program - Agricultural Structural	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$94,887.50			N
TACS Program - Agricultural Structural	Agricultural Practices	Local Fund	Scott WMO levy and Land Owner share	\$84,962.50			Y
TACS Program - Wetland Rest	Wetland Restoration/Creation	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$40,000.00			N
TACs Program - Agricultural Nonstructural	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$240,000.00			N
Targeted Capital Projects	Streambank or Shoreline Protection	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$860,000.00			N
Targeted Capital Projects	Streambank or Shoreline Protection	Local Fund	Scott WMO levy or LGU	\$100,000.00			Y
Targeted Riparian Projects	Streambank or Shoreline Protection	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$120,000.00			N
Targeted Riparian Projects	Streambank or Shoreline Protection	Local Fund	Scott WMO	\$20,000.00			Y
Technical/Engineering Assistance	Technical/Engineering Assistance	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$580,000.00	\$70,653.10	12/31/2015	N
Technical/Engineering Assistance	Technical/Engineering Assistance	Local Fund	Scott WMO levy	\$140,000.00	\$24,722.19	12/31/2015	Y
Trcka Emil WASCBs and Terrace (LS Co) CP-15-135	Agricultural Practices	Current State Grant	2015 - Targeted Watershed (Scott County WMO)	\$12,600.00			N
Trcka Emil WASCBs and Terrace (LS Co) CP-15-135	Agricultural Practices	Landowner Fund	Landowner Portion	\$4,200.00			Y

## Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
600 - Terrace	1	2	1225 LINEAR FEET	1225 LINEAR FEET
638 - Water and Sediment Control Basin	1	2	1150 LINEAR FEET	1150 LINEAR FEET
590 - Nutrient Management	1	0	1000 AC	0 AC
638 - Water and Sediment Control Basin	5	3	1 COUNT	1 COUNT
340 - Cover Crop	1	0	100 AC	0 AC
600 - Terrace	1	1	960 LINEAR FEET	960 LINEAR FEET
412 - Grassed Waterway and Swales	1	1	600 LINEAR FEET	0 LINEAR FEET
563M - Alum addition - In Lake	1	0	80 AC	0 AC
412 - Grassed Waterway and Swales	1	6	2575 LINEAR FEET	2575 LINEAR FEET
638 - Water and Sediment Control Basin	6	3	3 COUNT	3 COUNT
638 - Water and Sediment Control Basin	4	2	2 COUNT	2 COUNT
600 - Terrace	1	1	1800 LINEAR FEET	1800 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
<b>SEDIMENT (TSS)</b>	1,114.40	TONS/YR
<b>SOIL (EST. SAVINGS)</b>	1,470.80	TONS/YR
<b>PATHOGENS (E. COLI)</b>	183.90	CFU

<b>PHOSPHORUS (EST. REDUCTION)</b>	993.90	LBS/YR
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## Grant Activity

Grant Activity - Administration		
<b>Description</b>	<p>This activity consists of financial and contract management with vendors and partners, financial tracking, overall coordination, project management and reporting.</p> <p>Existing contracts between Scott County and the SWCDs will either be amended to include the new work under the grant, or new contracts will be completed. A new contract will also be put in place for Great River Greening's efforts, and for Engineering firms as they are selected. An agreement or Letter of Understanding will be completed with MAWRC documenting their contributions to the project. Contracts and Agreements will be posted to e-Link as attachments as they are completed. It is anticipated that agreements/contracts will be completed in March 2015.</p> <p>Reporting will consist of semi-annual reports through e- Link and it is anticipated that results in terms of number of practices encumbered and completed will be included in tabular form, as well as reporting actual on-the-ground results. The end of year report, each year, will also include a brief assessment of progress toward the project goals.</p> <p>Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.</p>	
<b>Category</b>	ADMINISTRATION/COORDINATION	
<b>Start Date</b>	20-Feb-15	<b>End Date</b> 31-Mar-19
<b>Has Rates and Hours?</b>	No	
<b>Actual Results</b>	<p>December 31, 2015. Agreement was executed with BWSR. Scott County also established new contracts with the Le Sueur and Rice SWCDs and amended their existing contract with the Scott SWCD for technical assistance on TACS projects eligible for the grant. Contracts were established with Inter-Fluve Inc. for a feasibility study and 30% designs for the near channel CIPs. A contract was established with Great River Greening regarding the riparian buffer projects for technical assistance. An agreement was reached with MAWRC for their contributions towards the project as well. Additionally financial controls for managing expenses were also set up, and various invoices from the contracts processed. A kick-off meeting and a progress meeting for the team partners were also hosted.</p>	

**Grant Activity - Bartusek Ben WASCBs & Grassed WW (Rice Co) CP-15-098**

<b>Description</b>	Bartusek Ben WASCBs & Grassed WW (Rice Co) CP-15-098		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	7-May-15	<b>End Date</b>	23-Nov-15
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	This project consists of three Water and Sediment Control Basins and one 600 lin. ft. Waterway.		

Activity Action - Project Installation			
<b>Practice</b>	638 - Water and Sediment Control Basin	<b>Count of Activities</b>	3
<b>Description</b>	Project is complete.		
<b>Proposed Size / Units</b>	3.00 COUNT	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	3.00 COUNT	<b>Installed Date</b>	23-Nov-15

Final Indicator for Project Installation			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	89.3
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Sand Creek		
Final Indicator for Project Installation			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	89.3
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Sand Creek		
Final Indicator for Project Installation			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	89.3
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Sand Creek		

Activity Action - Project Installation			
<b>Practice</b>	412 - Grassed Waterway and Swales	<b>Count of Activities</b>	1
<b>Description</b>	Project is complete. The grassed waterway was no longer needed and was not installed.		
<b>Proposed Size / Units</b>	600.00 LINEAR FEET	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	0.00 LINEAR FEET	<b>Installed Date</b>	23-Nov-15

Final Indicator for Project Installation			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	89.3
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		
Final Indicator for Project Installation			
Indicator Name	SOIL (EST. SAVINGS)	Value	89.3
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		
Final Indicator for Project Installation			
Indicator Name	SEDIMENT (TSS)	Value	89.3
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		

Grant Activity - Citizen Engagement - General Outreach			
Description	<p>Citizen Engagement - General Outreach. This activity consists of the development and distribution of general outreach materials such as press releases, fact sheets, success stories, etc.</p> <p>Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.</p>		
Category	EDUCATION/INFORMATION		
Start Date	20-Feb-15	End Date	31-Mar-19
Has Rates and Hours?	Yes		
Actual Results	December 31, 2015. A template fact sheet was established for consistency when advertising completed projects. A release about the project and grant was written and posted on the County website. We are developing a Story Map through GIS to document success stories within the Sand Creek Watershed.		



**Grant Activity - Citizen Engagement - Land Owner Surveys**

<p><b>Description</b></p>	<p>This activity consists of completing two surveys. One is a land owner participation satisfaction survey where participants in the TACS program will be surveyed to determine their motivations for participating, how they learned of the TACS program, why they selected the practice(s) they did, how the process went, whether they got satisfactory service, whether the practice is performing as expected, and what we could do better.</p> <p>The second survey is a repeat of the 2011 survey of Sand Creek watershed land owners, and comparison with the 2011 results to determine if program efforts since that time have reached land owners and affected any of their values and beliefs.</p> <p>The satisfaction survey will be completed winter/spring of 2017, and the Sand Creek survey in 2018.</p> <p>Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.</p>		
<p><b>Category</b></p>	<p>SPECIAL PROJECTS</p>		
<p><b>Start Date</b></p>	<p>1-Jan-17</p>	<p><b>End Date</b></p>	<p>31-Dec-18</p>
<p><b>Has Rates and Hours?</b></p>	<p>Yes</p>		
<p><b>Actual Results</b></p>	<p>December 31, 2015. At this time, nothing to report on this activity since the activity is scheduled for 2017.</p>		

**Grant Activity - Cover crop & Nutrient Management Pilots**

<b>Description</b>	<p>This activity consists of completing cover crop and nutrient management demonstrations and pilots. This effort will be complemented and promoted through the Farmer Co-op (Activity number 10.b). For nutrient management, expenses will take the form of an incentive payment. For cover crops several approaches will be tried likely including incentive payments, aggregating interested landowners into a single contract with an aerial applicator, and/or purchase of a drill with clearance for late season seeding for interested parties to try and use. Incentive payment rates for nutrient management and payment processes are detailed in the 2015 Scott WMO Cost Share and Incentive Program Docket (Attached). It is anticipated that cover crop incentive rates will follow NRCS rates subjects to some adjustments based on advice from the Farmer Led Co-op (Activity 10.b).</p> <p>It is anticipated that implementation efforts under this activity will start in 2016 since 2015 will focus on startup and organization of the Farmer co-op.</p> <p>This activity will be lead by the Scott SWCD and coordinated with the Farm Led Co-op. Other SWCDs will assist. Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.</p>		
<b>Category</b>	NON-STRUCTURAL MANAGEMENT PRACTICES		
<b>Start Date</b>	1-Jul-16	<b>End Date</b>	30-Sep-18
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>December 31, 2015. No pilots were established. However, both cover crops and nutrient management were added or revised in the 2016 TACS Docket for cost-share opportunities. The famer-led group discussed cover crops at their summer meeting and will continue to further discuss more opportunities for implementation at their winter 2016 meeting. Potential targets were also identified for contact by project partners.</p>		

<b>Activity Action - Watershed Treatments - Cover crop &amp; Nutrient Management Pilots</b>			
<b>Practice</b>	590 - Nutrient Management	<b>Count of Activities</b>	1
<b>Description</b>	Incentive for soil testing, nutrient management planning, and nutrient management		
<b>Proposed Size / Units</b>	1,000.00 AC	<b>Lifespan</b>	1 Year
<b>Actual Size/Units</b>	AC	<b>Installed Date</b>	

Activity Action - Watershed Treatments - Cover crop & Nutrient Management Pilots			
Practice	340 - Cover Crop	Count of Activities	1
Description	Acreage in cover crop pilots through either incentive, joint contracting, or equipment availability		
Proposed Size / Units	100.00 AC	Lifespan	5 Years
Actual Size/Units	AC	Installed Date	

Grant Activity - Final Report			
Description	<p>This activity consists of evaluating the entirety of the grant project, using project metrics, quantifying final outcomes, identifying lessons learned, and producing a final report.</p> <p>Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.</p>		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Oct-18	End Date	31-Mar-19
Has Rates and Hours?	Yes		
Actual Results	December 31, 2015. At this time, nothing to report on this activity. It is scheduled for action in 2018.		

Grant Activity - Franek Ken WASCB (Rice Co) CP-15-107			
Description	Franek Ken WASCB (Rice Co) CP-15-107		
Category	AGRICULTURAL PRACTICES		
Start Date	13-May-15	End Date	31-Dec-16
Has Rates and Hours?	No		
Actual Results	A water and sediment control basin was constructed at the head of an ephemeral (annual recurring) gully. The basin was designed to temporarily impound water from the contributing area, and slowly release it through an underground outlet structure/tile line.		

Activity Action - Project Installation			
Practice	638 - Water and Sediment Control Basin	Count of Activities	1
Description	Project is in process.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	

**Final Indicator for Project Installation**

Indicator Name	SOIL (EST. SAVINGS)	Value	15.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Sand Creek		

**Final Indicator for Project Installation**

Indicator Name	SEDIMENT (TSS)	Value	1.6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Sand Creek		

**Final Indicator for Project Installation**

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1.6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Sand Creek		

**Grant Activity - In-Lake Management - McMahon Lk Alum Application**

Description	<p>This activity consists of applying alum to McMahon Lake. This effort is complemented by Activity 11.d Technical /Engineering Assistance. As part of Activity 11.d the effort will be managed by the Scott WMO, a consultant will be used for the sediment core analysis and dosing, and a vendor selected by competitive process for the actual application.</p> <p>This activity will be led by Scott County. Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.</p>		
Category	SPECIAL PROJECTS		
Start Date	1-May-17	End Date	30-Nov-17
Has Rates and Hours?	No		
Actual Results	December 31, 2015. At this time, nothing to report on this activity. It is scheduled for action in 2017.		

Activity Action - In-Lake Management - McMahon Lk Alum Application			
Practice	563M - Alum addition - In Lake	Count of Activities	1
Description	Alum treatment McMahon Lake		
Proposed Size / Units	80.00 AC	Lifespan	15 Years
Actual Size/Units	AC	Installed Date	

Grant Activity - Pany Andy WASCB (LS Co) CP-15-252			
Description	Pany Andy WASCB CP-15-252		
Category	AGRICULTURAL PRACTICES		
Start Date	20-Nov-15	End Date	
Has Rates and Hours?	No		
Actual Results	One WASCB constructed to prevent sediment and phosphorus from entering a private ditch that outlets into Sand Creek and eventually to the Minnesota River.		

Activity Action - Project Installation			
Practice	638 - Water and Sediment Control Basin	Count of Activities	1
Description	Project is in process.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	

Final Indicator for Project Installation			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	96.6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	County Ditch 54 and Sand Creek		
Final Indicator for Project Installation			
Indicator Name	SOIL (EST. SAVINGS)	Value	84.0
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	County Ditch 54 and Sand Creek		
Final Indicator for Project Installation			
Indicator Name	SEDIMENT (TSS)	Value	84.0

<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	County Ditch 54 and Sand Creek		

**Grant Activity - Project Development**

<b>Description</b>	<p>This activity consists of a number of efforts (largely staff) supporting other activities. A detailed budget and schedule for each effort under this task is provided in Work Plan Attachment 1. Staff lead for the various efforts under this Activity and qualifications are presented in Work Plan Attachment 2.</p> <p>The various efforts include the following:</p> <ul style="list-style-type: none"> <li>Activity 10.a Project Management, outreach and land owner contacts supporting Activity 5: Targeted Riparian Projects.</li> <li>Activity 10.b Coordination of the Farmer Led Co-op.</li> <li>Activity 10.c Hosting a Thank You event for cooperators, partners and the public.</li> <li>Activity 10.d Manage 2 to 3 of the riparian projects as volunteer opportunities.</li> </ul>		
<b>Category</b>	PROJECT DEVELOPMENT		
<b>Start Date</b>	1-Mar-15	<b>End Date</b>	19-Mar-19
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>December 31, 2015. This activity was split into four activities that were outlined in the Work Plan. Activity 10.a, the refinement for riparian projects, application process, and eligibility requirements were finalized. The landowner outreach responsibilities were assigned. A flyer was generated by Great River Greening describing the riparian buffer opportunity. Activity 10.b, one farmer-led meeting was held in the summer with four producers within the watershed attending and Jeremy Geske of MAWRC leading the meeting. A number of phone calls and individual conversations were also completed. Activity 10.c, at this time, nothing to report on this activity as this is not scheduled until 2018. Events have been discussed under Activity 10.d, but at this point, nothing has been identified.</p>		

**Grant Activity - Shambour Leonard WASCB (LS Co) CP-15-073**

<b>Description</b>	Shambour Leonard WASCB (LS Co) CP-15-073		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	17-Apr-15	<b>End Date</b>	31-Dec-16
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	One terrace was constructed to prevent sediment and Phosphorus from entering a private ditch that eventually leads to County Ditch 54; which then leads to Sand Creek and eventually the Minnesota River. Installation of the basins reduces sediment and Phosphorus from leaving the crop field as well as reducing the overland flow and sediment deposition from entering the adjacent watercourse.		

Activity Action - Project Installation			
<b>Practice</b>	600 - Terrace	<b>Count of Activities</b>	1
<b>Description</b>	Project was in process		
<b>Proposed Size / Units</b>	1,800.00 LINEAR FEET	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	1,800.00 LINEAR FEET	<b>Installed Date</b>	

Final Indicator for Project Installation			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	193.6
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Sand Creek and Co Ditch 54		
Final Indicator for Project Installation			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	193.6
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Sand Creek and Co Ditch 54		
Final Indicator for Project Installation			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	219.6
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Sand Creek and Co Ditch 54		

**Grant Activity - Shimota Charles Grassed WW (Rice Co) CP-15-221**

<b>Description</b>	Shimota Charles Grassed WW (Rice Co) CP-15-221		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	8-Oct-15	<b>End Date</b>	
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	2575 linear feet of grassed waterway was planted.		

Activity Action - Project Installation			
<b>Practice</b>	412 - Grassed Waterway and Swales	<b>Count of Activities</b>	1
<b>Description</b>	Project is in process.		
<b>Proposed Size / Units</b>	2,575.00 LINEAR FEET	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	2,575.00 LINEAR FEET	<b>Installed Date</b>	

Final Indicator for Project Installation			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	26.2
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Sand Creek		

Final Indicator for Project Installation			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	26.2
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Sand Creek		

Final Indicator for Project Installation			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	109.4
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Sand Creek		



Grant Activity - Shimota Charles WASCB (Rice Co) CP-15-220			
Description	Shimota Charles WASCB (Rice Co) CP-15-220		
Category	AGRICULTURAL PRACTICES		
Start Date	8-Oct-15	End Date	
Has Rates and Hours?	No		
Actual Results	One WASCB was installed to slow and annual recurring erosion from losing topsoil.		

Activity Action - Project Installation			
Practice	638 - Water and Sediment Control Basin	Count of Activities	1
Description	Project is in process.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	

Final Indicator for Project Installation			
Indicator Name	SEDIMENT (TSS)	Value	1.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Sand Creek		
Final Indicator for Project Installation			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Sand Creek		
Final Indicator for Project Installation			
Indicator Name	SOIL (EST. SAVINGS)	Value	8.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Sand Creek		

Grant Activity - Skluzacek John Terraces (Rice Co) CP-15-226			
Description	Skluzacek John Terraces (Rice Co) CP-15-226		
Category	AGRICULTURAL PRACTICES		
Start Date	20-Oct-15	End Date	
Has Rates and Hours?	No		
Actual Results	1,225 lineal feet of terraces were constructed.		

Activity Action - Project Installation			
Practice	600 - Terrace	Count of Activities	1
Description	Project is in process.		
Proposed Size / Units	1,225.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,225.00 LINEAR FEET	Installed Date	

Final Indicator for Project Installation			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	26.8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		

Final Indicator for Project Installation			
Indicator Name	SEDIMENT (TSS)	Value	26.8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		

Final Indicator for Project Installation			
Indicator Name	SOIL (EST. SAVINGS)	Value	106.3
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		

Grant Activity - Skluzacek John WASCBS (Rice Co) CP-15-227			
Description	Skluzacek John WASCBS (Rice Co) CP-15-227		
Category	AGRICULTURAL PRACTICES		
Start Date	20-Oct-15	End Date	
Has Rates and Hours?	No		
Actual Results	Three WASCBS were installed to prevent sediment and phosphorus from entering a county ditch that leads to Sand Creek and outlets to the Minnesota River.		

Activity Action - Project Installation			
Practice	638 - Water and Sediment Control Basin	Count of Activities	3
Description	Project is in process.		
Proposed Size / Units	3.00 COUNT	Lifespan	10 Years
Actual Size/Units	3.00 COUNT	Installed Date	

Final Indicator for Project Installation			
Indicator Name	SEDIMENT (TSS)	Value	21.2
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		
Final Indicator for Project Installation			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	21.2
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		
Final Indicator for Project Installation			
Indicator Name	SOIL (EST. SAVINGS)	Value	79.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		

Grant Activity - Sticha Ronald WASCB (Rice Co) CP-15-099			
Description	Sticha Ronald WASCB (Rice Co) CP-15-099		
Category	AGRICULTURAL PRACTICES		
Start Date	7-May-15	End Date	31-Dec-16
Has Rates and Hours?	No		
Actual Results	There was erosion along a field edge that is near a tributary stream of Sand Creek. A 200 linear foot WASCB was designed to reduce the sediment and phosphorus from entering the tributary stream. The embankment was designed to temporarily impound water from the contributing area, and slowly release it through an underground outlet structure/tile line.		

Activity Action - Project Installation			
Practice	638 - Water and Sediment Control Basin	Count of Activities	1
Description	Project is in process.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	

Final Indicator for Project Installation			
Indicator Name	SEDIMENT (TSS)	Value	223.1
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		

Final Indicator for Project Installation			
Indicator Name	SOIL (EST. SAVINGS)	Value	223.1
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		

Final Indicator for Project Installation			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	223.1
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		

Grant Activity - Sullivan Ralph Terraces (Rice Co) CP-15-160			
Description	Sullivan Ralph Terraces (Rice Co) CP-15-160		
Category	AGRICULTURAL PRACTICES		
Start Date	25-Mar-15	End Date	
Has Rates and Hours?	No		
Actual Results	Installed 1,150 linear feet of terraces to stop ephemeral erosion in an ag field located in Rice County.		

Activity Action - Project Installation			
Practice	638 - Water and Sediment Control Basin	Count of Activities	1
Description	Project is in process.		
Proposed Size / Units	1,150.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,150.00 LINEAR FEET	Installed Date	

Final Indicator for Project Installation			
Indicator Name	SEDIMENT (TSS)	Value	31.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		
Final Indicator for Project Installation			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	34.3
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		
Final Indicator for Project Installation			
Indicator Name	SOIL (EST. SAVINGS)	Value	49.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		

Grant Activity - Sullivan Ralph WASCB (Rice Co) CP-15-158			
Description	Sullivan Ralph WASCB (Rice Co) CP-15-158		
Category	AGRICULTURAL PRACTICES		
Start Date	14-Aug-15	End Date	
Has Rates and Hours?	No		
Actual Results	An ephemeral erosion site had to be repaired in an ag field located in Rice County.		

Activity Action - Project Installation			
Practice	638 - Water and Sediment Control Basin	Count of Activities	2
Description	Project is in process.		
Proposed Size / Units	2.00 COUNT	Lifespan	10 Years
Actual Size/Units	2.00 COUNT	Installed Date	

Final Indicator for Project Installation			
Indicator Name	SOIL (EST. SAVINGS)	Value	38.3
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		
Final Indicator for Project Installation			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	3.2
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		

Final Indicator for Project Installation			
Indicator Name	SEDIMENT (TSS)	Value	3.2
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		

Grant Activity - Sullivan Ralph WASCB (Rice Co) CP-15-159			
Description	Sullivan Ralph WASCB (Rice Co) CP-15-159		
Category	AGRICULTURAL PRACTICES		
Start Date	14-Aug-15	End Date	
Has Rates and Hours?	No		
Actual Results	A site of ephemeral erosion in an ag field located in Rice County needed to be repaired.		

Activity Action - Project Installation			
Practice	638 - Water and Sediment Control Basin	Count of Activities	1
Description	Project is in process.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	

Final Indicator for Project Installation			
Indicator Name	SOIL (EST. SAVINGS)	Value	38.3
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		

Final Indicator for Project Installation			
Indicator Name	SEDIMENT (TSS)	Value	2.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		

Final Indicator for Project Installation			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	2.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek		

**Grant Activity - TACS Program - Agricultural Structural**

**Description**

This Activity consists of installing structural agricultural practices in accordance with the Prioritization and Targeting goals articulated in Attachment 3. Cost share amounts, payments, and installation will follow the specifications in the 2015 Scott WMO Cost Share Program Conservation Practice Payment Docket. The Docket is updated annually. Eligible practices include: critical area planting, diversion, grade stabilization structure, grassed waterway, terrace, underground outlet, streambank stabilization, and water and sediment control basin.

It is estimated that about 50 to 60 practices will be installed.

This Activity will be lead by the Scott SWCD with assistance from Scott County, and the other SWCDs under related Activity 11.a Technical/Engineering Assistance.

Practice approval, design, installation, inspection and maintenance will follow protocol in the 2015 Scott WMO Cost Share Program Conservation Practice Payment Docket (updated annually, copy attached). The Docket uses NRCS and BWSR specifications. A 10 to 15 year contract will be executed with the land owner (Attachment 9), inspections are completed at roughly three year intervals over the contract term, and land owners/operators are provided O&M Guidance (Attachment 10). Prioritization and targeting for land owner contacts and practice promotion will follow the Prioritized, Targeted and Measureable Goals statement processes included as Attachment 3.

**Category**

AGRICULTURAL PRACTICES

**Start Date**

1-Mar-15

**End Date**

19-Mar-19

**Has Rates and Hours?**

No

**Actual Results**

December 31, 2015. In Rice County, there were (2) grassed/lined waterways, (12) WASCOBs, and (2) terraces for a total of \$101,850 of approved project dollars including the grant funds and landowner contributions. In Le Sueur County, there were (3) WASCOBs and (2) terraces for a total of \$38,300 of approved project dollars including the grant funds and landowner contributions. No projects in Scott County had TWG funds' going towards them as the focus in 2015 was to the upper watersheds in Rice and Le Sueur Counties. Two practices were constructed and certified complete which both were in Rice County. A summary of the practices approved to date is provided in attachment named "TWG TACS Projects March-December 2015".

**Grant Activity - TACS Program - Wetland Rest**

<p><b>Description</b></p>	<p>This Activity consists of wetland restoration in accordance with the Prioritization and Targeting goals articulated in Attachment 3. Cost share amounts, payments, and installation will follow the specifications in the 2015 Scott WMO Cost Share Program Conservation Practice Payment Docket. The Docket is updated annually.</p> <p>It is estimated that about 20 acres of restoration will be targeted.</p> <p>This Activity will be lead by the Scott SWCD with assistance from Scott County, and the other SWCDs under related Activity 11.a Technical/Engineering Assistance.</p> <p>Practice approval, design, installation, inspection and maintenance will follow protocol in the 2015 Scott WMO Cost Share Program Conservation Practice Payment Docket (updated annually, copy attached). The Docket uses NRCS and BWSR specifications. A 15 year contract will be executed with the land owner (Attachment 9), and inspections are completed at roughly five year intervals over the contract term.</p>		
<p><b>Category</b></p>	<p>WETLAND RESTORATION/CREATION</p>		
<p><b>Start Date</b></p>	<p>1-Mar-15</p>	<p><b>End Date</b></p>	<p>19-Mar-19</p>
<p><b>Has Rates and Hours?</b></p>	<p>No</p>		
<p><b>Actual Results</b></p>	<p>December 31, 2015. Discussions with Scott, Rice and Le Sueur SWCDs were made regarding potential wetland restorations to target. No applications have been received to date. A targeted outreach effort is being developed for implementation starting in 2016. Discussions were held with one targeted landowner with land adjacent to Cedar Lake as part of Activity 11.b, with the landowners expressing some interest, but not at this time.</p>		



**Grant Activity - TACs Program - Agricultural Nonstructural**

**Description**

This Activity consists of installing non-structural practices in accordance with the Prioritization and Targeting goals articulated in Attachment 3. Cost share amounts, payments, and installation will follow the specifications in the 2015 Scott WMO Cost Share Program Conservation Practice Payment Docket. The Docket is updated annually. Eligible practices include: filter strip (harvestable and non-harvestable), native grass, natural shoreline restoration and/or stabilization, and riparian buffer with native vegetation.

It is estimated that about 100 acres of practices will be installed.

This Activity will be lead by the Scott SWCD with assistance from Scott County, and the other SWCDs under related Activity 11.a Technical/Engineering Assistance.

Practice approval, design, installation, inspection and maintenance will follow protocol in the 2015 Scott WMO Cost Share Program Conservation Practice Payment Docket (updated annually, copy attached). The Docket uses NRCS and BWSR specifications. A 10 to 15 year contract will be executed with the land owner (Attachment 9), inspections are completed at roughly three year intervals over the contract term, and land owners/operators are provided O&M Guidance (Attachment 10). Prioritization and targeting for land owner contacts and practice promotion will follow the Prioritized, Targeted and Measureable Goals statement processes included as Attachment 3.

**Category**

AGRICULTURAL PRACTICES

**Start Date**

1-Mar-15

**End Date**

19-Mar-19

**Has Rates and Hours?**

No

**Actual Results**

December 31, 2015. Discussions with Scott, Rice and Le Sueur SWCDs were made regarding potential agricultural non-structural projects to target. No applications have been received to date. A targeted outreach effort is being developed for implementation starting in 2016.

**Grant Activity - Targeted Capital Projects**

<p><b>Description</b></p>	<p>This activity consists of constructing several targeted capital projects for controlling near channel sediment sources. The projects will be in either the Middle Sand Creek or the Picha Creek subwatersheds. Targeting will be based on areas identified in previous studies, and will be refined based on a Feasibility Study completed under the Technical/Engineering Assistance Activity 11.b.</p> <p>Construction of the projects is scheduled for the fall of 2016 and 2017 with the fall of 2018 held in reserve for construction.</p> <p>Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.</p> <p>Design will be completed by qualified professionals selected by competitive process. Design will also geomorphic principals in order to work with natural stream processes and maximize the life of the improvement. Contractor selection will follow approved County procurement processes. Either perpetual easements (including access agreements) will be obtained, temporary easements for the life of the improvement, or a contract will be entered into with the land owner for construction, maintenance and access for the life expectancy of the improvements estimated as 20 -25 years (subject to BWSR review and approval).</p>		
<p><b>Category</b></p>	<p>STREAMBANK OR SHORELINE PROTECTION</p>		
<p><b>Start Date</b></p>	<p>1-Sep-16</p>	<p><b>End Date</b></p>	<p>30-Jun-18</p>
<p><b>Has Rates and Hours?</b></p>	<p>No</p>		
<p><b>Actual Results</b></p>	<p>December 31, 2015. As expected nothing was bid and no construction started for this activity. Construction is expected to be initiated fall of 2016. Efforts in support of this activity consisted of feasibility study and design described under the Technical/Engineering Assistance Activity 11.b.</p>		

## Grant Activity - Targeted Riparian Projects

<b>Description</b>	<p>This activity consists of riparian vegetation improvements along Sand Creek and its tributaries at 8 to 10 targeted locations. The effort will be lead by Great River Greening under related efforts in Activity 10.a Project Development, and Activity 11.c Technical Engineering/Assistance..</p> <p>Staff lead for this activity and qualifications are presented in Work Plan Attachment 2. The schedule/gant chart for the project including this Activity is presented in Work Plan Attachment 1.</p> <p>Land owners will be required to enter into a 15 year contract (Attachment 9). Specifications for riparian vegetation/buffers will be developed specifically for the project area considering NRCS/BWSR specifications, and may be tailored for individual sites. Land owners will be provided with O&amp;M guidance, and completed plantings will be inspected at about 5 year increments.</p>		
<b>Category</b>	STREAMBANK OR SHORELINE PROTECTION		
<b>Start Date</b>	20-Feb-15	<b>End Date</b>	30-Sep-18
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	December 31, 2015. No applications have been received. Efforts in support of this activity consisted of process design as described under the Project Development Activity 10.a.		



## Description

This task consists of multiple technical and engineering related efforts supporting various activities. A detailed budget and schedule for each effort under this task is provided in Work Plan Attachment 1. Staff lead for the various efforts under this activity and qualifications are presented in Work Plan Attachment 2.

The various efforts include the following:

Activity 11.a is the staffing at the three SWCDs to assist land owners with design, inspection and implementation of practices, and a 1/2 time FTE at Scott County to assist and coordinate. Prioritization and targeting for land owner contacts and practice promotion will follow the Prioritized, Targeted and Measureable Goals statement processes included as Attachment 3.

Activity 11.b is the staffing and outside engineering necessary to manage and complete property owner contacts, feasibility assessment, design, bidding, and construction supervision for Activity 3: Targeted Capital Projects.

Activity 11.c is the staffing necessary to complete the planting designs/pallets and coordination of implementation for Activity 5: Targeted Riparian Projects.

Activity 11.d is the staffing and outside engineering expertise needed to complete the alum dosing study, bid documents, and construction supervision for Activity 6: In-Lake Phosphorus Reduction.

<b>Category</b>	TECHNICAL/ENGINEERING ASSISTANCE		
<b>Start Date</b>	1-Mar-15	<b>End Date</b>	19-Mar-19
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>December 31, 2015. This activity was broken down into four sub-activities which are individually reported on. Activity 11.a, staffing continues at the three SWCDs to assist land owners with design, inspection and implementation of practices. Scott County staff has assisted and coordinated these efforts with the SWCDs. Activity 11.b, Inter-Fluve Inc. was hired to complete a feasibility study where Middle Sand Creek Watershed and Picha Creek Watershed were both analyzed to identify the highest erosion and sediment/phosphorus producing sites to further evaluate. There were 16 sites that were identified for further evaluation which was then narrowed down to the top six based on a matrix of multiple factors which was weighted towards sites with the highest erosion and sediment and nutrient loading to Sand Creek and Picha Creek. The top three sites were chosen to pursue survey and design. A separate contract was executed with Inter-Fluve Inc. to complete 30% designs for three of the top ranking sites identified in the feasibility study. Scott County staff has assisted and coordinated these efforts by lining up landowner permissions for access to the sites and providing input on which sites to review or further investigate. One site was surveyed in the fall while the other two were delayed due to weather conditions. A contract was setup for 30% design completion by early 2016. We are anticipating the delayed surveys for two sites will be completed in the spring of 2016 and construction of all three sites to occur in the fall/winter of 2016. Activity 11.c, a planting palate and education flyer were developed by Great River Greening. Activity 11.d, at this time, nothing to report on this activity since it is scheduled for 2017.</p>		

<b>Grant Activity - Trcka Emil WASCBs and Terrace (LS Co) CP-15-135</b>			
<b>Description</b>	Trcka Emil WASCBs and Terrace (LS Co) CP-15-135		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	24-Jun-15	<b>End Date</b>	31-Dec-16
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>Two Water and Sediment Control Basins and one Contour Terrace were constructed to prevent sediment and Phosphorus from entering Rice Lake that eventually leads to County Ditch 54 and Sand Creek that ultimately outlets in to the Minnesota River. Installation of the basins reduces sediment and Phosphorus from leaving the crop field as well as reducing the overland flow and sediment deposition from entering the adjacent watercourse.</p>		

Activity Action - Project Installation			
Practice	638 - Water and Sediment Control Basin	Count of Activities	2
Description	Project is in process.		
Proposed Size / Units	2.00 COUNT	Lifespan	10 Years
Actual Size/Units	2.00 COUNT	Installed Date	

**Final Indicator for Project Installation**

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	183.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek and Co Ditch 54		

**Final Indicator for Project Installation**

Indicator Name	SEDIMENT (TSS)	Value	159.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek and Co Ditch 54		

**Final Indicator for Project Installation**

Indicator Name	SOIL (EST. SAVINGS)	Value	159.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek and Co Ditch 54		

Activity Action - Project Installation			
Practice	600 - Terrace	Count of Activities	1
Description	Project is in process.		
Proposed Size / Units	960.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	960.00 LINEAR FEET	Installed Date	

**Final Indicator for Project Installation**

Indicator Name	SOIL (EST. SAVINGS)	Value	159.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek and County Ditch 54		

**Final Indicator for Project Installation**

Indicator Name	SEDIMENT (TSS)	Value	159.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Sand Creek and County Ditch 54		

**Final Indicator for Project Installation**

Indicator Name	PATHOGENS (E. COLI)	Value	183.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	BWSR CALC (SHEET AND RILL)

## Grant Attachments

Document Name	Document Type	Description
<b>2015 Docket adopted</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>2015 Targeted Watershed</b>	Grant Agreement	2015 Targeted Watershed - Scott County WMO
<b>2015 Targeted Watershed executed</b>	Grant Agreement	2015 Targeted Watershed - Scott County WMO
<b>20160201165920041.pdf</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Agreement between SWMO and MAWRC</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Attachment 1 Targeted Grant Work Plan</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Attachment 10 OnM</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Attachment 2: Work Plan - Staff</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Attachment 3: Prioritized, Targeted and Measurable Goals</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Attachment 4: Sand Creek Watershed Demonstration Program Grant Application</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Attachment 5: Example Contract</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Attachment 6: Example language of a drainage and utility easement</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Attachment 7: Memorandum of Understanding</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Attachment 8: Temporary Construction Easement Language</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Attachment 9: Example TACS Contract</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Great River Greening Service Contract</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Inter-Fluve Service Contract</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Le Sueur SWCD Service Contract</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Rice SWCD Service Contract</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Sand Creek Near Channel Feasibility Report</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>TWG TACS Projects</b>	Grant	2015 - Targeted Watershed (Scott County WMO)
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/14/2015
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 02/26/2015