



## Grant All-Detail Report Watershed Based Funding Metro 2019

**Grant Title** - 2019 - Watershed Based Funding Metro (Scott County WMO)

**Grant ID** - P19-3277

**Organization** - Scott County WMO

<b>Original Awarded Amount</b>	<b>\$315,000.00</b>	<b>Grant Execution Date</b>	<b>10/11/2018</b>
<b>Required Match Amount</b>	\$31,500.00	<b>Original Grant End Date</b>	12/31/2021
<b>Required Match %</b>	10%	<b>Grant Day To Day Contact</b>	Melissa Bokman
<b>Current Awarded Amount</b>	\$315,000.00	<b>Current End Date</b>	6/30/2022

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$315,000.00	\$267,404.44	\$47,595.56
Total Match Amount	\$26,500.00	\$155,794.01	\$-129,294.01
Total Other Funds	\$32,367.00	\$43,317.00	\$-10,950.00
<b>Total</b>	<b>\$373,867.00</b>	<b>\$466,515.45</b>	<b>\$-92,648.45</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
* Expanded TACS Program: 1) Technical & Engineering Assistance	Technical/Engineering Assistance	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$37,909.16	\$34,565.07	7/28/2022	N
* Expanded TACS Program: 1) Technical & Engineering Assistance	Technical/Engineering Assistance	Local Fund	Scott WMO	\$5,000.00	\$0.00	12/31/2019	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
*Expanded TACS Program: 2) Ag BMP's	Agricultural Practices	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$79,500.00	\$13,200.00	7/27/2022	N
*Expanded TACS Program: 2) Ag BMP's	Agricultural Practices	Landowner Fund	Local cooperators	\$0.00			Y
*Expanded TACS Program: 2) Ag BMP's - Brinkman Lined WW 18-171	Streambank or Shoreline Protection	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$0.00	\$11,716.00	8/26/2019	N
*Expanded TACS Program: 2) Ag BMP's - Brinkman Lined WW 18-171	Streambank or Shoreline Protection	Landowner Fund	Land Owner	\$0.00	\$3,832.25	8/26/2019	Y
*Expanded TACS Program: 2) Ag BMP's - Brinkman Lined WW 18-171	Streambank or Shoreline Protection	Other Funds	2017 Lower MN River Targeted Water Quality Practices Install..	\$10,000.00	\$10,000.00	8/26/2019	N
*Expanded TACS Program: 2) Ag BMP's - Scott County Parks Dept Grassed Waterway 20-100 Multi S/F	Agricultural Practices	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$0.00	\$2,452.30	4/8/2021	N
*Expanded TACS Program: 2) Ag BMP's - Scott County Parks Dept Grassed Waterway 20-100 Multi S/F	Agricultural Practices	Landowner Fund	Cooperator Portion	\$0.00	\$994.97	4/8/2021	Y
*Expanded TACS Program: 2) Ag BMP's - Scott County Parks Dept Grassed Waterway 20-100 Multi S/F	Agricultural Practices	Other Funds	2017 Lower MN River Targeted Water Quality Practices Install..	\$6,500.00	\$6,500.00	4/8/2021	N
*Expanded TACS Program: 2) Ag BMP's - Woestehoff, David Lined Waterway or Outlet 20-025: Multi S/F	Agricultural Practices	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$0.00	\$15,653.00	3/18/2021	N
*Expanded TACS Program: 2) Ag BMP's - Woestehoff, David Lined Waterway or Outlet 20-025: Multi S/F	Agricultural Practices	Landowner Fund	Cooperator Portion	\$0.00	\$2,517.00	3/18/2021	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
*Expanded TACS Program: 2) Ag BMP's - Woestehoff, David Lined Waterway or Outlet 20-025: Multi S/F	Agricultural Practices	Other Funds	2017 Lower MN River Targeted Water Quality Practices Install..	\$7,000.00	\$7,000.00	3/18/2021	N
*Expanded TACS Program: 3) Shoreline and Streambank Stabilization	Streambank or Shoreline Protection	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$20,000.00			N
*Expanded TACS Program: 3) Shoreline and Streambank Stabilization	Streambank or Shoreline Protection	Landowner Fund	Local Cooperators	\$0.00			Y
*Expanded TACS Program: 3) Shoreline and Streambank - Hoppe Shoreline Protection 17-212: Multi S/F	Streambank or Shoreline Protection	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$0.00	\$18,186.95	11/8/2019	N
*Expanded TACS Program: 3) Shoreline and Streambank - Hoppe Shoreline Protection 17-212: Multi S/F	Streambank or Shoreline Protection	Landowner Fund	Land Owner	\$0.00	\$13,182.05	11/8/2019	Y
*Expanded TACS Program: 3) Shoreline and Streambank - Hoppe Shoreline Protection 17-212: Multi S/F	Streambank or Shoreline Protection	Other Funds	2018 - State Cost-Share Fund (Scott SWCD)	\$1,633.91	\$1,633.91	11/8/2019	N
*Expanded TACS Program: 3) Shoreline and Streambank - Hoppe Shoreline Protection 17-212: Multi S/F	Streambank or Shoreline Protection	Other Funds	2019 - State Cost-Share Fund (Scott SWCD)	\$7,233.09	\$7,233.09	11/8/2019	N
*Expanded TACS Program: 4) Special Practices	Special Projects	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$0.00			N
*Expanded TACS Program: 4) Special Practices	Special Projects	Landowner Fund	Local Cooperators	\$0.00			Y
*Expanded TACS Program: 5) Chloride Reduction Equipment	Non-Structural Management Practices	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$30,642.13	\$30,642.13	6/22/2022	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
*Expanded TACS Program: 5) Chloride Reduction Equipment	Non-Structural Management Practices	Local Fund	City of Savage	\$1,500.00	\$98,443.87	3/31/2022	Y
*Expanded TACS Program: 6) Urban BMPs	Urban Stormwater Management Practices	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$32,000.00	\$32,000.00	7/28/2022	N
*Expanded TACS Program: 6) Urban BMPs	Urban Stormwater Management Practices	Local Fund	2019 - Watershed Based Funding Metro (Scott County WMO)	\$2,500.00	\$6,490.46	6/30/2022	Y
Chlorides Assessment	Education/Information	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$29,357.87	\$29,357.87	12/31/2019	N
City of Prior Lake DWSMA Abandoned Well Assessment	Planning and Assessment	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$1,905.84	\$1,905.84	12/31/2019	N
Complete Subwatershed Assessments	Planning and Assessment	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$0.00	\$0.00	12/31/2019	N
Expand Education/Outreach efforts directed at bacteria and chlorides	Education/Information	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$25,000.00	\$24,901.43	1/20/2022	N
Expand Education/Outreach efforts directed at bacteria and chlorides	Education/Information	Local Fund	Scott WMO	\$3,500.00	\$5,357.74	6/30/2022	Y
Feasibility Studies - water quality functions in regional stormwater facilities	Technical/Engineering Assistance	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$20,000.00	\$20,000.00	6/22/2022	N
Feasibility Studies - water quality functions in regional stormwater facilities	Technical/Engineering Assistance	Local Fund	City of Shakopee	\$2,000.00	\$2,498.75	4/8/2022	Y
General Planning and Assessment	Planning and Assessment	Local Fund	Scott WMO Levy	\$10,000.00	\$17,719.17	6/30/2022	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Grassed Waterway: MSF 21-085	Agricultural Practices	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$0.00	\$1,500.00	12/8/2021	N
Grassed Waterway: MSF 21-085	Agricultural Practices	Other Funds	2020 - State Cost-Share Fund (Scott SWCD)	\$0.00	\$4,050.00	12/18/2021	N
Grassed Waterway: MSF 21-085	Agricultural Practices	Other Funds	Cooperator	\$0.00	\$2,490.00	12/8/2021	Y
Grassed Waterway: MSF 21-085	Agricultural Practices	Other Funds	LGF	\$0.00	\$4,410.00	12/8/2021	Y
Groundwater Protection	Groundwater	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$3,685.00	\$906.50	7/25/2022	N
Groundwater Protection	Groundwater	Landowner Fund	Landowner	\$0.00	\$453.50	5/27/2022	Y
Twin Lake Watershed Feasibility Study	Technical/Engineering Assistance	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$20,000.00	\$20,000.00	4/26/2022	N
Twin Lake Watershed Feasibility Study	Technical/Engineering Assistance	Local Fund	City of Savage	\$2,000.00	\$4,304.25	1/20/2021	Y
Updating Sand Creek water quality assessments & implementation plan	Planning and Assessment	Current State Grant	2019 - Watershed Based Funding Metro (Scott County WMO)	\$15,000.00	\$10,417.35	6/30/2022	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
580 - Streambank and Shoreline Protection	1	1	79 LINEAR FEET	79 LINEAR FEET
351 - Well Decommissioning	1	1	1 COUNT	1 COUNT
580 - Streambank and Shoreline Protection	1	1	375 LINEAR FEET	375 LINEAR FEET

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
340 - Cover Crop	4	4	100 AC	113.5 AC
155M - Storm Water Retention Basins	1	1	1 COUNT	1 COUNT
412 - Grassed Waterway and Swales	1	1	385 LINEAR FEET	385 LINEAR FEET
580 - Streambank and Shoreline Protection	1		77 LINEAR FEET	LINEAR FEET
340 - Cover Crop	1	1	10 AC	10 AC
412 - Grassed Waterway and Swales	1	1	840 LINEAR FEET	862 LINEAR FEET
155M - Storm Water Retention Basins	2	2	2 COUNT	2 COUNT
468 - Lined Waterway or Outlet	1	1	150 LINEAR FEET	150 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>PREVENTION</b>	1.00	COUNT
<b>SEDIMENT (TSS)</b>	210.43	TONS/YR
<b>PHOSPHORUS (EST. REDUCTION)</b>	245.93	LBS/YR
<b>SOIL (EST. SAVINGS)</b>	487.60	TONS/YR

**Grant Activity**

**Grant Activity - \* Expanded TACS Program: 1) Technical & Engineering Assistance**

## Description

This activity includes staff time associated with implementation of practices enabled by the other Expanded TACS Program Activities in this work plan. The effort includes but is not limited to: targeting landowners, site investigations, surveying, preparing preliminary designs and cost estimates, preparing applications and voucher documents, preparing designs, compiling construction documents and seeding plans, performing construction layouts and inspections, and certification.

The Scott SWCD has 2 resource conservationists (20% of work), 3 resource conservation technicians (45%); an Ecological Specialist (15%), and an engineering technician (15%) with a combined 55+ years of experience. All 7 staff have differing levels of JAA, and will be providing support for the above-listed activities. Their collective JAA is extensive both in scope and level for both ecological and engineering projects. When JAA is insufficient to design or certify a project in-house, we will use professional engineering services through the TSA 8 NPEA Program. Most NPEAP-related services will be provided by MM Engineering, which has extensive experience working with NRCS standards and specs, and is TSP certified.

The District Manager will provide overall project and fiscal management and reporting support.

Practice planning, design and installation for practices will adhere to applicable standards and specs as set forth in the following: USDA NRCS National Engineering Handbook (Title 210) including the Engineering Field Handbook (Part 650) and associated MN Supplements; USDA NRCS Field Office Technical Guide, Section IV; applicable Technical Releases and applicable MN construction and materials specifications. Plans prepared and certified by a licensed PE may be substituted for the above, as deemed necessary.

Milestones include the use of about 60 hours of staff time in 2018, and about 170 hours per year each in 2019, 2020, and 2021.



<b>Category</b>	TECHNICAL/ENGINEERING ASSISTANCE		
<b>Start Date</b>	11-Oct-18	<b>End Date</b>	30-Jun-22
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>2022 Update RJH: Staff logged time against three new projects approved in 2022; activities included meeting and planning w/landowners, preparing plans and designs, overseeing construction, completing/securing certification compliant with NRCS standards and specifications, and processing cost share contracts and payments.</p> <p>EOY 2021 RJH: Staff logged time against two new projects approved in 2021; activities included meeting and planning w/landowners, preparing plans and designs, overseeing construction, completing/securing certification compliant with NRCS standards and specifications, and processing cost share contracts and payments. Several payments were made in 2021 including multi year cover crop projects.</p> <p>EOY 2020 RJH: Staff logged time against five projects; activities included meeting and planning w/landowners, preparing plans and designs, overseeing construction, completing/securing certification compliant with NRCS standards and specifications, and processing cost share contracts and payments.</p> <p>EOY 2019 TPK: Staff logged time against two projects; activities included meeting and planning w/landowners, preparing plans and designs, overseeing construction, completing/securing certification compliant with NRCS standards and specifications, and processing cost share contracts and payments.</p> <p>EOY 2018 Due to delays in getting the base contract in place with BWSR not much was accomplished with this activity in 2018. The delay pushed the work into the fall when staff were busy with supervising construction of previously approved practices. Hours not used in 2018 will be shifted to 2019.</p>		



## Description

This activity includes the implementation of ag practices with funding priority to projects in the WMO but outside Sand Creek, secondary priority to projects that benefit Porter Creek & third to projects that benefit Raven Stream. Practices include but are not be limited to: cover crops, conservation cover (native species only), filter strips, grade stab, WASCBs, lined waterways, and wetland restoration.

Projects will be targeted where they abate erosion and/or runoff, or result in measurable NPS pollution control. The WMO's current WRM Plan and Scott SWCD's Comp Plan will be used to help prioritize efforts. Additional prioritization will be guided by more detailed studies, e.g. Credit River Protection Plan and local subwatershed assessments. Projects will be targeted and selected based on sediment, phosphorus and runoff volume reductions, and overall cost effectiveness.

Grant funds will supplement other local, state, and/or federal dollars in order to provide cost share and incentives to implement practices, in accordance with the adopted Scott county Cost Share Policies and Procedures Manual, as amended,

Estimated outcomes include 9 or more projects yielding reductions of 295 Lbs/yr of P and 262 T/yr of sediment (goals of 2 practices in 2019/2020, 3 in 2021 & 4 in 2022). Actual results may vary depending on selected projects, landowner interest, and site-specific conditions.

Practice design and construction will adhere to applicable standards and specifications as set forth in the USDA NRCS Field Office Technical Guide, Section IV, along with applicable Technical Releases and construction and materials specifications. Plans prepared and certified by a licensed PE may be substituted for the above, as deemed necessary.

Cooperators are required to operate and maintain their practice for a minimum of 10 years and in accordance with O&M plans prepared by the SWCD. SWCD will conduct a minimum of 3 inspections over the lifespan of the project.

<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	11-Oct-18	<b>End Date</b>	30-Jun-22
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>2022 Update RJH: Three new cover crop projects were approved in 2022 totaling 160.60 acres. Several projects had funds encumbered for them anticipating construction later in 2022. However, without an extension until the end of the year those projects did not get constructed and thus are not part of the reporting.</p> <p>EOY 2021 RJH: Two new projects were approved in the second half of 2021. Funds were low before the approved amendment to add an additional \$30K to this activity. New eligible projects will continue to be encumbered towards this activity in 2022.</p> <p>1/18/22 (MBE) - approved to move balance of Complete Subwtds Activity of \$30,000 to this Activity. 7/27/2021 RJH: No new projects were approved in the first half of 2021. Most of the funds are encumbered for projects. Payments are scheduled to be made in the second half of 2021.</p> <p>EOY 2020 RJH: There were three cover crop projects that were approved in 2020 and two waterway projects as well. These projects were not completed in 2020, just approved.</p> <p>EOY 2019 TPK: To date one project was install according NRCS standards and specifications. It was linked to another funding sources so was not nested under this activity. See Brinkman SR-18-171 activity for details.</p> <p>EOY 2018 No new BMPs were encumbered under this activity during the fall 2018 reporting period.</p>		

Activity Action - Casey, Robert Cover Crops 20-128			
<b>Practice</b>	340 - Cover Crop	<b>Count of Activities</b>	4
<b>Description</b>	Cooperator seeded a radish and rye cover crop on 113.5 acres in Credit River Township in order to relieve compaction and prevent soil erosion		
<b>Proposed Size / Units</b>	100.00 AC	<b>Lifespan</b>	3 Years
<b>Actual Size/Units</b>	113.50 AC	<b>Installed Date</b>	10-Oct-20
<b>Mapped Activities</b>	4 Polygon(s)	<b>Technical Assistance Provider</b>	SWCD

Final Indicator for Casey, Robert Cover Crops 20-128			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	251.2
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)

<b>Waterbody</b>	Credit River		
<b>Final Indicator for Casey, Robert Cover Crops 20-128</b>			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	81.24
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Credit River		
<b>Final Indicator for Casey, Robert Cover Crops 20-128</b>			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	114.70
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Credit River		

<b>Activity Action - Schultz, Chris Cover Crop 20-110</b>			
<b>Practice</b>	340 - Cover Crop	<b>Count of Activities</b>	1
<b>Description</b>	EOY20 KMW: 10 ac of cover crop planted		
<b>Proposed Size / Units</b>	10.00 AC	<b>Lifespan</b>	3 Years
<b>Actual Size/Units</b>	10.00 AC	<b>Installed Date</b>	3-Nov-20
<b>Mapped Activities</b>	1 Polygon(s)	<b>Technical Assistance Provider</b>	SWCD

<b>Final Indicator for Schultz, Chris Cover Crop 20-110</b>			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	1.92
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Type III Wetland to Robert Creek		
<b>Final Indicator for Schultz, Chris Cover Crop 20-110</b>			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	3.20
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Type III Wetland to Robert Creek		
<b>Final Indicator for Schultz, Chris Cover Crop 20-110</b>			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	5.1
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Type III Wetland to Robert Creek		

**Grant Activity - \*Expanded TACS Program: 2) Ag BMP's - Brinkman Lined WW 18-171**

<b>Description</b>	Lined waterway project to protect eroding channel.		
<b>Category</b>	STREAMBANK OR SHORELINE PROTECTION		
<b>Start Date</b>	15-Jan-19	<b>End Date</b>	26-Aug-19
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	EOY 2019 KMW Final updated payments		
	79LF of lined waterway was installed to treat the head cutting of a ravine		

**Activity Action - Brinkman Carmen Lined Waterway CP-18-171**

<b>Practice</b>	580 - Streambank and Shoreline Protection	<b>Count of Activities</b>	1
<b>Description</b>	79 LF of lined waterway was installed to treat the head cutting of a ravine		
<b>Proposed Size / Units</b>	79.00 LINEAR FEET	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	79.00 LINEAR FEET	<b>Installed Date</b>	26-Aug-19
<b>Mapped Activities</b>	1 Line(s)	<b>Technical Assistance Provider</b>	SWCD

**Final Indicator for Brinkman Carmen Lined Waterway CP-18-171**

<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	13.4
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Minnesota River		

**Final Indicator for Brinkman Carmen Lined Waterway CP-18-171**

<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	13.4
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Minnesota River		

**Final Indicator for Brinkman Carmen Lined Waterway CP-18-171**

<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	13.4
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Minnesota River		

**Grant Activity - \*Expanded TACS Program: 2) Ag BMP's - Scott County Parks Dept Grassed Waterway 20-100 Multi S/F**

<b>Description</b>	Proposed grass waterway with flat graded section with berm intended to maximize infiltration and evapo-transpiration via wetland plant uptake		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	11-Nov-20	<b>End Date</b>	08-Apr-21
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	Final 05/24/21: KMW 862 Lin Ft Grassed WW installed with flat graded section and a berm to maximize infiltration and evapotranspiration in its upper reach, along with Willow live stake planting to help disperse outflow from the wetland and promote infiltrations.  EOY20:KMW: Approved, and construction has started.		

**Activity Action - Scott County Parks Dept Grassed Waterway 20-100**

<b>Practice</b>	412 - Grassed Waterway and Swales	<b>Count of Activities</b>	1
<b>Description</b>	Grass waterway with flat graded section with berm intended to maximize infiltration and evapo-transpiration via wetland plant uptake		
<b>Proposed Size / Units</b>	840.00 LINEAR FEET	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	862.00 LINEAR FEET	<b>Installed Date</b>	28-Jan-21
<b>Mapped Activities</b>	1 Polygon(s)	<b>Technical Assistance Provider</b>	SWCD

**Final Indicator for Scott County Parks Dept Grassed Waterway 20-100**

<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	36.25
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Intermittent Trib to MN River		

**Final Indicator for Scott County Parks Dept Grassed Waterway 20-100**

<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	36.25
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Intermittent Trib to MN River		

**Final Indicator for Scott County Parks Dept Grassed Waterway 20-100**

<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	72.5
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<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Intermittent Trib to MN River		

Grant Activity - *Expanded TACS Program: 2) Ag BMP's - Woestehoff, David Lined Waterway or Outlet 20-025: Multi S/F			
<b>Description</b>	10" inlet to take base flows and 215 linear feet of rock-lined waterway to convey flows to non-erosive peat grounds.		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	21-Dec-20	<b>End Date</b>	29-Jan-21
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	Final KMW 05-26-21:10" inlet was installed to eliminate base flow form the tile and 215 In ft of rock-lined waterway was constructed to convey storm-event flows to a nearly-level, non-erosive area of the field below		
	EOY20 KMW: Ready for installation , but has not stated.		

Activity Action - Woestehoff, David Lined Waterway or Outlet 20-025			
<b>Practice</b>	468 - Lined Waterway or Outlet	<b>Count of Activities</b>	1
<b>Description</b>	10" inlet to take base flows and 215 linear feet of rock-lined waterway to convey flows to non-erosive peat grounds		
<b>Proposed Size / Units</b>	150.00 LINEAR FEET	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	150.00 LINEAR FEET	<b>Installed Date</b>	29-Dec-20
<b>Mapped Activities</b>	1 Line(s)	<b>Technical Assistance Provider</b>	SWCD

Final Indicator for Woestehoff, David Lined Waterway or Outlet 20-025			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	93.3
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Intermittent Stream		

Final Indicator for Woestehoff, David Lined Waterway or Outlet 20-025			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	25.32
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Intermittent Stream		

Final Indicator for Woestehoff, David Lined Waterway or Outlet 20-025			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	25.32



Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Intermittent Stream		



## Description

This activity includes the implementation of streambank and shoreline protection BMP's associated inside the Scott WMO but outside the Sand Creek watershed, including conversion turfgrass and other undesirable vegetation along lakes and streams to native vegetation buffers and stabilizing actively eroding banks.

The WMO's current Comprehensive WRM Plan and Scott SWCD's Comp. Plan will be used to help prioritize efforts. Additional prioritization will be guided by more detailed studies, such as the Credit River Protection Plan and local subwatershed assessments. Projects will be targeted and selected based on landowner interest and degree of shoreline degradation.

Funds from this grant will be used to provide cost share to install the practices in accordance with the adopted Scott County Cost Share Policies and Procedures Manual, as amended.

Estimated outcomes include 4 or more projects (1 each in 2019 and 2020, and 2 in 2021) along a total of 350' of shoreline yielding reductions of 16 Lbs/yr of P and 15 T/yr of sediment. Actual results may vary depending on selected projects, landowner interest, and site-specific conditions.

Design and installation of stabilization practices will adhere to applicable standards and specifications as set forth in the USDA NRCS Field Office Technical Guide, Section IV along with applicable Technical Releases and construction and materials specifications. Plans prepared and certified by a licensed PE may be substituted for the above, when deemed appropriate. Blue Thumb™ and/or DNR "Restore Your Shore" guides will be used for non-structural practices.

Cooperators will be required to operate and maintain their practice for a minimum of ten years, in accordance with applicable O&M requirements as prepared by the SWCD. Satisfactory O&M will be ensured by the SWCD, which will conduct a minimum of 3 inspections over the lifespan of the project.

<b>Category</b>	STREAMBANK OR SHORELINE PROTECTION		
<b>Start Date</b>	11-Oct-18	<b>End Date</b>	30-Jun-22
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>2022 Update RJH: There were two projects that were approved. One project was a streambank stabilization along the Credit River and the other was another streambank stabilization along Raven Stream. Both projects were anticipating construction later in the year but without the extension until that time period, they were not able to be constructed and are not included in the reporting.</p> <p>EOY 2021 RJH: The project located in the City of Savage was cancelled. The landowner had a difficult time finding a contractor. There still remains a little bit of funds to be used towards a project moving forward.</p> <p>7/27/2021 RJH: Most of the funds are encumbered for two projects.</p> <p>EOY 2020 RJH: One project was approved for a streambank stabilization in the City of Savage.</p> <p>EOY 2019 TPK: EOY 2019 TPK: One project was installed according NRCS standards and specifications. It was linked to another funding sources so was not nested under this activity. See Hoppe SR-17-212 activity for details.</p> <p>EOY 2018 No new BMPs were encumbered under this activity during the fall 2018 reporting period.</p>		

Activity Action - O'Malley, Sean Streambank Protection 14-146			
<b>Practice</b>	580 - Streambank and Shoreline Protection	<b>Count of Activities</b>	1
<b>Description</b>	Hard armor, including rip rap ranging in diameter from 3" to 12" a 77 Lin ft segment of Credit River to stop erosion outside valley wall that is contributing significant sediment downstream.		
<b>Proposed Size / Units</b>	77.00 LINEAR FEET	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	LINEAR FEET	<b>Installed Date</b>	
<b>Mapped Activities</b>	No	<b>Technical Assistance Provider</b>	SWCD

**Grant Activity - \*Expanded TACS Program: 3) Shoreline and Streambank - Hoppe Shoreline Protection 17-212: Multi S/F**

<b>Description</b>	Cooperators will stabilize and repair 374 LF of eroding shoreline and undermine along the western shore of O'Dowd Lake, along with seeding of Native Seed and cover with erosion control blanket		
<b>Category</b>	STREAMBANK OR SHORELINE PROTECTION		
<b>Start Date</b>	28-Aug-19	<b>End Date</b>	08-Nov-19
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	EOY 2019: KMW: FINAL Cooperator installed 375 LF Shoreline Protection. Included repair of eroding shoreline and undermining along the western shoe of O'Dowd Lake.		

**Activity Action - Hoppe Michael Shoreline Protection CP-17-212**

<b>Practice</b>	580 - Streambank and Shoreline Protection	<b>Count of Activities</b>	1
<b>Description</b>	Cooperator repaired 375 LF or eroding and undermining shoreline		
<b>Proposed Size / Units</b>	375.00 LINEAR FEET	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	375.00 LINEAR FEET	<b>Installed Date</b>	21-Oct-19
<b>Mapped Activities</b>	1 Line(s)	<b>Technical Assistance Provider</b>	SWCD

**Final Indicator for Hoppe Michael Shoreline Protection CP-17-212**

<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	21.4
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (STREAM & DITCH STABILIZATION)
<b>Waterbody</b>	Lake ODowd		

**Final Indicator for Hoppe Michael Shoreline Protection CP-17-212**

<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	21.4
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (STREAM & DITCH STABILIZATION)
<b>Waterbody</b>	Lake ODowd		

**Final Indicator for Hoppe Michael Shoreline Protection CP-17-212**

<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	21.4
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (STREAM & DITCH STABILIZATION)
<b>Waterbody</b>	Lake ODowd		



## Description

This activity includes implementing practices that address impacts associated with development. Practices include but may not be limited to: well decommissioning, bioretention basins, permeable surfaces, turf mgmt, chloride mgmt, and conservation cover.

Projects will be targeted where such practices abate NPS pollution associated with chlorides from de-icing practices and phosphorus and sediment in runoff from impervious surfaces; projects that protect groundwater will also be pursued incl. sealing unused wells in DWSMA's.

The WMO's current Comprehensive WRM Plan and Scott SWCD's Comp. Plan will be used to help prioritize efforts related to this activity. Additional prioritization will be guided by more detailed studies, such as the Credit River Protection Plan, an additional subwatershed assessments currently underway for Cleary Lake, and the DWSMA and chlorides assessments being completed as separate Activities under this grant. Since these assessments are not currently available specific implementation details are not available. The Scott WMO, therefore, commits to completing a Work Plan amendment to better define BMPs and their categories prior to accepting applications. Timing for completing the amendment is the fall of 2019 concurrent updating the Scott County Cost share Policies and Procedures Manual.

Specific outcomes are difficult to quantify due to lack of data and experience with practices addressing chloride reduction; however, based on experience with other practices falling within the "Special Projects" category, we would estimate implementing 20 or more projects. Actual results may vary depending on selected projects, landowner interest, and site-specific conditions. Specific annual milestones include: completing a Work Plan amendment fall of 2019, and the completion of 10 projects each in 2020 and 2021.

<b>Category</b>	SPECIAL PROJECTS		
<b>Start Date</b>	1-Sep-19	<b>End Date</b>	30-Jun-22
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>No new BMPs were encumbered under this activity during the fall 2018 reporting period.</p> <p>February 2020 reporting:  BWSR approved an amendment to the workplan in July 2019 to add an activity and move funds from Expanded TACS Program: 4) Special Practices and create it's own Activity labeled Chloride Reduction Equipment. More detail on that Activity can be found in it's Description. No additional work was completed on this activity in 2019, more to come in 2020.</p> <p>1/29/21 (MB): An amendment was completed in 2020 and two new Activities were created from this Activity: Expanded TACS Program: 6) Urban BMPs (\$32,000) &amp; Groundwater Protection (\$3,500). This closes this Activity and brings the budget balance to zero.</p>		





## Description

Cost-share (\$3k max per organization) will be provided to private contractors & non-profit organizations for the purchase of winter deicing equipment that reduces salt use. Eligible equipment includes shields & liquid only systems (tank, sprayers) identified in the "Helpful Winter Maintenance Tools" document uploaded to eLINK & result in a direct chloride reduction (high precision applicators, switch from granular to brine). Estimated reduction in salt use is ~30%. Grantees are responsible for the purchase, use, & O&M of equipment per manufacturer recommendations, for a 10-year life & will report data to the WMO annually.

Cost-share will be provided to the cities of Savage (\$15,000) & Shakopee (~\$9,650) to purchase anti-icing equipment that will reduce chloride discharging to Credit River and the MN River.

Savage will purchase and retrofit on an existing City truck, 1 Hi-Way Xzalt Precision Applicator; a hopper-type spreader w/ directional control of dry/liquid de-icing materials to allow for precision wetting & application of salt. Salt use is estimated to be reduced by ~30% (40-45 tons), per vehicle/per winter season. Estimated price is \$60,000.

Shakopee will purchase 1 new mixing system to make liquid brine solution as pre-treatment/anti-icing, which will reduce salt use by ~30% (~30-40 tons) where the brine is applied per season. The City expects to pre-treat ~17.6 miles (10.4%) of the total street miles (169.1miles). Estimated price is \$66,336.

Each City will be responsible for the purchase, installation, use, & O&M in accordance with manufacturer recommendations for a 10-year life and will report data to the WMO annually.

Milestones. Year 1–City of Savage equipment (1) purchase. Year 2 -Review cost-share applications. Year 3-Review cost-share applications (3-4) purchases. Year 4-City of Shakopee equipment (1) purchase. [Detail updated 12/23/2021 per MK approval. Original language uploaded as attachment]

Category	NON-STRUCTURAL MANAGEMENT PRACTICES		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	<p>Feb 2020 report:</p> <p>WMO Staff started the contract process with the City of Savage in June 2019. The City ordered the Hi-Way Xzalt equipment in July 2019. City of Savage received the equipment in November &amp; started using the Hi-Way equipment in Dec 2019.</p> <p>1/29/21 (MB): Completed an amendment in 2020 which included moving the balance of the Chlorides Assessment budget of \$14,452 to this activity to create a grant program for private contractors, &amp; non-profit orgs w/ the purchase of winter de-icing equipment such as shields &amp; liquid only systems. Marketing flyer for the grant is attached.</p> <p>1/29/21 (JC): The City of Savage began using the Xzalt applicator during the winter of 2019/2020. In reviewing the application rates it was determined that the Xzalt applicator was not work properly.</p> <p>During fall of 2021 the City had the manufacturer's representative out to recalibrate the equipment and work through some mechanical issue. Once the recalibration was done and the mechanical repairs were made the City started seeing noticeable differences in the salt usage.</p> <p>The salt reduction achieved to date during the 2020/2021 snow removal season is quantified in comparing a truck with the Xzalt applicator vs. a truck using a standard spinner. The Xzalt applicator mixes the brine/salt in the truck hopper &amp; comes out in an oatmeal consistency at a ratio of 70:30 dry to liquid &amp; the standard spinner has brine inserted at the spinner. The reduction from 12/1/20 to 1/28/21 is 178 lbs /lane mile for the Xzalt applicator vs. 319 lbs/lane mile for a standard truck. This is a reduction of 40% on a per lane mile comparison.</p> <p>7/2/2021: Updated expenses, \$15k cost share to City of Savage. Meadow Green applied for the chloride reduction equipment grant. WMO staff inspected the equipment, approved \$3,000 grant.</p> <p>1/26/22 (MBE): DZ Lawn Care applied for \$3,000 chloride reduction equipment grant.</p> <p>1/31/22 (JDC): see attachment - 2021City of Savage Chloride Reduction Salt Usage Report</p>		



## Description

This activity includes implementing practices that address impacts associated w/ development. Practices include but may not be limited to: filter strips, critical area planting, grassed waterways & swales, lined waterway or outlet, WASCOD, bioretention basins, permeable surfaces, infiltration trench, turf management, & conservation cover. Benefitting resources include lakes & streams w/in the Scott WMO such as Credit River, Cleary Lk, Markley Lk, MN River, Sand Creek & Twin Lk. Innovative requests will be sent to BWSR for review. Projects will be targeted where practices abate NPS pollution & TP & sediment in runoff from impervious surfaces. Local Plans will be used to help prioritize efforts. Add'l prioritization will be guided by more detailed studies: Credit River Protection Plan, Cleary Lake SWA, Twin Lakes Volume Reduction & Thole Lake & Roberts Creek SWA.

Practices will be implemented, in accordance with the adopted SWMO/SWCD TACS Program docket, as amended. Practice design and construction will adhere to applicable standards & specifications as set forth in the USDA NRCS FOTG, Sect. IV, applicable Technical Releases & construction & materials specifications. Plans prepared & certified by a licensed P.E. may be substituted for the above.

Estimated outcomes: 3-4 projects yielding reductions of 132 lbs/yr TP; 120 tons/yr sediment or modeled TSS reductions. Actual results may vary depending on selected projects, landowner interest, & site-specific conditions.

Scott SWCD staff qualifications are described in Activity Expanded TACS Program: 1) T & E Assistance. Add'l qualified staff: Scott Co staff Megan Tasca, P.E. w/ 14 years experience in development & stormwater management design for complex projects.

Cooperators are required to operate & maintain their practice for a min. of 10 years & in accordance w/ O&M plans prepared by the SWCD or County/WMO. SWCD or County/WMO will conduct a minimum of 3 inspections over the lifespan of the project.

<b>Category</b>	URBAN STORMWATER MANAGEMENT PRACTICES		
<b>Start Date</b>	11-Oct-18	<b>End Date</b>	30-Jun-22
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>7/28/2022 Update RJH: Two projects were completed, one in the City of Shakopee and the other located in the City of Savage. Payments were made to both cities in 2022. Project details and documents are uploaded.</p> <p>1/28/22 RJH: In 2021, the WMO reached out to every city within Scott County to let them know of this opportunity and also any requests we had in our database that potentially were eligible. We received four (4) initial inquiries. Two of which were private residents. One of those residents did not continue to pursue the opportunity and the other did not believe it could be completed by the deadline, so it is better suited for being a TACS project in the future. The two that did continue to pursue the opportunity were the City of Shakopee and City of Savage. Both projects were eligible and staff at the WMO, including a P.E., reviewed the designs and approved them. One project is for the installation of SAFL Baffles on a road reconstruction and the other is the reconstruction of a detention basin. The code on the contract used was 570 - Stormwater Runoff Control. This code is not represented in eLINK but was approved to leave the contract as is via an email with Melissa King on 1/28/22. The best applicable NRCS code will be used for each of these projects in eLINK but will differ from what is on the contract itself.</p> <p>1/29/21 (MB): New Activity created in an amendment to this workplan in late 2020 from information originating from the Special Practices Activity. An initial team meeting was held w/ SWCD &amp; WMO staff to finalize the specifics of this Activity &amp; to assign staff to implement it. A kick-off meeting is planned for February 2021. Initial discussions w/City of Prior Lake &amp; Savage showed interest w/shovel-ready projects for 2021.</p> <p>7/2/2021(MB): Ryan's time to coordinate Urban BMP activity, contact with cities on potential projects, review of project submittals, staff mtgs to received feedback on project feasibility.</p>		

Activity Action - Shakopee, City of Urban Stormwater SR21-109			
<b>Practice</b>	155M - Storm Water Retention Basins	<b>Count of Activities</b>	2
<b>Description</b>	Two sumps and baffles were installed as part of a road reconstruction project in the City of Shakopee.		
<b>Proposed Size / Units</b>	2.00 COUNT	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	2.00 COUNT	<b>Installed Date</b>	19-Apr-22
<b>Mapped Activities</b>	2 Point(s)	<b>Technical Assistance Provider</b>	Other

Final Indicator for Shakopee, City of Urban Stormwater SR21-109			
Indicator Name	SEDIMENT (TSS)	Value	0.087
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	Minnesota River		
Final Indicator for Shakopee, City of Urban Stormwater SR21-109			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.06
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Minnesota River		

Activity Action - Savage, City of Urban Stormwater SR21-110			
Practice	155M - Storm Water Retention Basins	Count of Activities	1
Description	This project consisted of retrofitting of an existing dry pond, that drains to the Credit River, with an iron enhanced sand filtration media		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	23-Nov-21
Mapped Activities	1 Point(s)	Technical Assistance Provider	Other

Final Indicator for Savage, City of Urban Stormwater SR21-110			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	MIDS
Waterbody	Credit River		
Final Indicator for Savage, City of Urban Stormwater SR21-110			
Indicator Name	SEDIMENT (TSS)	Value	0.109
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	MIDS
Waterbody	Credit River		





## Description

This Activity consists of chloride applicator trainings and assessments, and follow-up coaching to help public and private deicing applicators reduce chloride and identify priority actions. The first task consists of 8 to 12 chloride applicator trainings starting the fall of 2018. These will be a mix of road and parking lots trainings including both Levels 1 and 2. The second task consists of having "coaching" assistance or demonstrations for entities who had staff at the trainings. Coaching could consist of being able to call with questions, or visits to interpret results of Level 2 assessments and to help entities get started. For this, time would be reserved with the consultant completing the trainings, and with a public works professional with experience in chloride alternatives. Demonstrations would be hosted for things like calibrating equipment, mixing brine, and/or other requested topics. The third task is coordinating and scheduling efforts; and managing the project.

Outcomes include: 1) the completion of 8 to 12 trainings with a goal of 50 to 60 attendees total; 2) providing follow-up coaching when requested; 3) hosting 2 to 3 tours/events; and 4) completing pre & post surveys of training attendees.

Annual milestones include: 1) the completion of 4-5 trainings in 2018, 2) another 4-5 in 2019, and 3) the completion of surveys mid-2021.

Trainings and coaching will be largely provided by Fortin Consulting. Additional coaching and coordination will be by staff from local Public Works Departments that have some experience with chlorides management. Project management and coordination will be provided by Melissa Bokman, Senior Water Resources Planner who has 18 years experience, and a B.S. in Environmental Sciences, and Geography. Joe Wiita, Highway Division Program Manager at Scott County who has over 10 years managing highway maintenance operations including at least 5 years with alternative deicing practices will also assist.

Category	EDUCATION/INFORMATION		
Start Date	24-Sep-18	End Date	31-Dec-21
Has Rates and Hours?	Yes		
Actual Results	<p>Fall 2018 – Sept. 26, 2018 SWMO sponsored a parking lot side &amp; walk chloride reduction training w/ 24 attendees, during SWMO WPC meeting &amp; Annual Tour, Fortin Consulting gave a presentation on chloride impacts in the environment to ~25 community leaders. Smart Salting Best Management Trainings were held on the following dates in 2018: October 15th – Roads Level I – 3 attendees; October 22nd – Roads Level II – 10 attendees; October 26th – Parking Lots &amp; Sidewalks – 16 attendees; October 29th – Roads Level I – 6 attendees; 35 people newly trained or recertified in all. 6 Smart Salting trainings are scheduled for 2019 for 1/16, 3/20, 8/23, 9/26, 10/22, 11/4.</p> <p>February 2020:  SWMO partnered w/ Fortin to host 6 SMART Salting trainings on: Jan. 16 - Parking lots &amp; sidewalks, 14 attendees; Aug. 23 - Parking lots &amp; sidewalks, 13 attendees; Sept. 26 - Level I training for public works staff, 17 attendees; Oct. 22 - Parking lots &amp; sidewalks, 14 attendees; Aug. 23 - Parking lots &amp; sidewalks, 21 attendees; Nov. 4 - Level I, 24 attendees; Nov. 26 - Property Mgmt, 23 attendees. Total: 105 participants.</p> <p>Fortin completed add'l tasks under this activity to help us better recruit participants for the Smart Salting trainings such as:</p> <ol style="list-style-type: none"> <li>1) researched who is certified in Scott Co and compiled this information into a spreadsheet;</li> <li>2) FCI researched multiple private contractors &amp; businesses located near &amp; around Scott Co that are listed in the spreadsheet. Most of these companies are smaller &amp; have no certified employees.</li> <li>3) FCI contacted multiple organizations &amp; that perform sidewalk &amp; parking lot maintenance for a list of their favorite winter maintenance tools.</li> </ol> <p>1/29/21 (MB): Completed an amendment in 2020 &amp; moved the balance of this Activity (\$14,452) to Chloride Reduction Equipment. Bringing this Activity to a zero budget balance.</p> <p>1/18/22 (MBE) - moved with approval, remaining balance of \$1,190.13 after reconciliation to Chloride Reduction Equipment Activity.</p>		



## Description

This Activity consists of a review City of Prior Lake Drinking Water Supply Management Area to develop a methodology for identifying probable locations of abandoned/unsealed wells, and develop a list of probable abandoned well locations. Methodology developed could then be used with other DWSMA's in the County. Results will also be used to target contacts for the well sealing cost share practice implementation through the TACS program. Match will be provided as in-kind time from the Scott WMO as part of the General Planning and Assessment Activity.

The outcome is a report documenting the methodology, and listing probable locations for abandoned wells. Annual milestones include: 1) initiating the assessment winter of 2019; and 2) finishing the assessment and report winter of 2020.

Majority of the work (90%) will be completed by Jesse Krzenski, Environmentalist II at Scott County who has a B.A. in Geology and over six years experience. The Environmental Services Program Manager (currently Paul Nelson) will provide oversight. Paul has over 30 years experience, a B.S. in Biology, and an M.S. in Forestry with a minor in Agricultural and Biological Engineering.

Category	PLANNING AND ASSESSMENT		
Start Date	1-Jan-19	End Date	31-Mar-20
Has Rates and Hours?	Yes		
Actual Results	<p>A small amount of staff time was used during the fall reporting period to flesh out the approach for the assessment and to start gathering information.</p> <p>February 2020 report:  Goal: Identify probable locations of unused/unsealed wells in Prior Lake DWSMA.  Unused/Unsealed Well Inventory procedures included:</p> <ol style="list-style-type: none"> <li>1. Inventory all current homes within project area; record building date</li> <li>2. Review past aerials &amp; inventory all demolished homes w/in project area; record demolished date &amp; approximate built date</li> <li>3. Compare inventory list to Co Well Index to determine if any well sealing records exist</li> <li>4. Create a mailing list to be sent out to all property owners within project area requesting any information they may have regarding any active, or unused/unsealed wells on their property</li> <li>5. Obtain data from cities regarding when areas/homes were hooked up to city water. Compare the date of hookup to the date of the house being built; if the date of the house predates the date of city water then it is safe to assume a well once existed.</li> <li>6. If unable to obtain information from city regarding date of city water hookup, then will compare all home inventories to any information found on CWI &amp; aerial photos.</li> </ol> <p>1/29/21: This activity was completed in 2019, no further work was done. An amendment in 2020 moved the balance of this Activity of \$7,909.19 to the TACS Program for Technical &amp; Engineering Assistance staff time and brought this budget to zero dollars.</p> <p>1/18/22 (MBE): moved w/approval, balance of \$185 after reconciliation to Groundwater Protection.</p> <p>7/28/2022: A memo identifying the methods &amp; results of the assessment was uploaded on 4/13/2022. Summary: only 2 people indicated they had a well on their property &amp; were not interested in sealing their well. There were zero responses indicating that a well had previously been sealed on their property. Based on the results it was determined by the Supervisor at that time, it was not worth pursuing further mailings.</p>		

**Grant Activity - Complete Subwatershed Assessments**

<p><b>Description</b></p>	<p>This Activity consists of completing two subwatershed assessments designed to identify and prioritize potential BMPs. The two subwatersheds to be completed include Lake Pepin in Le Sueur Co &amp; Cody/Phelps lakes &amp; Co Ditch 25 in Rice Co.</p> <p>Match will be provided as in-kind time from the Scott WMO as part of the General Planning and Assessment Activity.</p> <p>Annual milestones include: 1) initiating the first assessment in 2019; 2) completing the first assessment March of 2020; 3) initiating the second assessment fall of 2020; and completing the second assessment spring of 2021.</p> <p>Staffing for the subwatershed assessments will be provided by the Scott SWCD. Scott SWCD has completed several subwatershed assessments in the past for the Scott WMO, and have a combined 55+ years of experience. Troy Kuphal, Scott SWCD District Manager &amp; Ryan Holzer Scott Co Water Resources Scientist will provide oversight. Troy &amp; Ryan collectively have over 35 years experience. Draft Agreement(s) between Scott County and the Scott SWCD will be loaded to e-link once drafted.</p>		
<p><b>Category</b></p>	<p>PLANNING AND ASSESSMENT</p>		
<p><b>Start Date</b></p>	<p>1-Jan-19</p>	<p><b>End Date</b></p>	<p>30-Jun-22</p>
<p><b>Has Rates and Hours?</b></p>	<p>Yes</p>		
<p><b>Actual Results</b></p>	<p>1/18/22 (MBE) - approved to move balance of \$30,000 to the TACS Ag BMPs Activity.</p> <p>EOY 2020 RJH: The Thole Lake SWA has been completed. Roberts Creek SWA did not start any work in 2020 but will be completed in 2021.</p> <p>EOY 2019 TPK: Project scoping, data gathering, field reconnaissance, and model setup are completed for Thole Lake SWA. PTM App is being used.</p> <p>EOY 2018 No work was completed under this activity for the fall 2018 reporting period.</p>		



## Description

This Activity consists of expanding education and outreach efforts mostly directed at the private landowners and commercial applicators with respect to bacteria and chlorides pollution. Efforts will be designed to increase awareness, and what can be done to address the impairments. It will be implemented through the Scott Clean Water Education Program (SCWEP) which is a partnership of the Scott SWCD, Watershed Organizations in the County, Scott County and some of the cities and townships in the county. Match will be provided by the SCWEP partner the Scott WMO.

The activity will be initiated fall of 2018 with full implementation of the annual objectives each of the following years for the duration of the grant. The objectives and milestones are to produce 2-4 articles annually reaching 55,000+ households with each publication; develop web page winter of 2018/2019 dedicated to chloride and bacteria information on county/WMO website and share link to all LGU's; post 2-4 articles/year on social media platforms and encourage sharing among all LGU's; develop subject-matter banner and take-away materials to use with existing SCWEP display; participate in 3-6 (1 to 2 annually) public events with goal of reaching 2000+ people. Marketing materials such as brochures, flyers, direct emails, website, social media, etc. will be produced to market the Chloride Reduction Equipment Grant and Urban BMPs and Well Decommission Activities to cities, private contractors, schools, churches and other non-profits in Scott County. Measurable outcomes include: 2-3 brochures & flyers created & sent, 2-3 newsletter articles, 3-4 website & social media posts, 30-50 targeted emails sent.



Category	EDUCATION/INFORMATION		
Start Date	24-Sep-18	End Date	31-Dec-21
Has Rates and Hours?	Yes		
Actual Results	<p>Staff time &amp; expenses were incurred fall/winter of 2018 to create a public event display re: deicing in the Scott Co link (i.e., entryway to the county government center), &amp; to write an article in the Scott Co newsletter, the SCENE.</p> <p>Feb 2020 report: Informational postcards on proper winter salting techniques were sent to 73 targeted places of worship in the county. Targeted mailing to residents around the Credit River, Prior Lake, Cedar Lake, Spring Lake, Lake Thole &amp; O’Dowd areas. The Scott SWCD attended the Prior Lake Fall Fest to promote a SMART salting demonstration. Scott Co SCENE publication hosted 3 articles on proper winter salting, &amp; relevant articles &amp; information were posted on Scott SWCD website blog &amp; social media platforms.</p> <p>1/29/21 report: Chlorides &amp; bacteria program in 2020 focused on virtual outreach amid the COVID-19 Pandemic. Throughout the year, 5 news articles, &amp; 4 web blogs were published, reaching audiences of 57,000 people. Awareness for chloride &amp; bacteria topics: responsible pet ownership, proper nutrient management strategies, &amp; proper salting techniques were continually promoted on social media accounts. Postcards were sent to 105 local feedlot owners on nutrient management BMP’s &amp; importance of preventing bacteria pollution. Postcards were sent to 7,348 residents around local lakes on the dangers of excess salt use. An educational webinar for Scott Co residents called Homeowner Strategies for Reducing Salt Pollution. The webinar had 18 attendees, &amp; 28 additional views on YouTube. Staff presented a classroom lesson to 28-8th graders in New Prague focused on how chloride negatively impacts local waterbodies &amp; what homeowners can do to reduce their salt use. Distribution of 20 salt awareness rack cards, creation of 2 smart salting posters hung up around the school &amp; a video created by the students demonstrating how to properly salt sidewalks &amp; driveways.</p> <p>1/26/2022 (MBE): see 1/26/22 attachment</p> <p>7/28/22 (MBE): see 7/28/22 attchmnt</p>		



## Description

This Activity consists of including feasibility assessments for the incorporation of water quality components in regional stormwater management facilities being completed by the City of Shakopee (city projects STORM 18-003 and STORM 22-002). Per the City's Capital Improvement Plan STORM 18-003 West End Regional Pond & Trunk Oversizing consists of the addition of ponding and better rate control of drainage entering into the Upper Valley Drainage system; and STORM 22-002 Blue Lake Channel Regional Storm Pond consists of regional ponding of storm water, west of CSAH 83 to control storm water rate and quality. This activity adds feasibility assessment for adding water quality (TSS and TP) functions to the improvements in addition to the storm water rate control. Match provided by the City of Shakopee. Milestones include: 1) entering into an agreement with Scott County/WMO for completion of the study and reimbursement in 2018; 2) starting the Feasibility Studies in 2018 or early 2019; 3) and completing them in 2022.

The Feasibility Studies will be completed by a engineering firm under the direction of Kirby Templin, Water Resource – Environmental Engineer, City of Shakopee. Mr. Templin is a Registered Professional Engineer, has a B.S. and M.S. in Civil Engineering and 8 years experience.

The Draft Agreement between Scott County and the City for completion of the Feasibility Study(s) and reimbursement, will be loaded once drafted. It is anticipated that the studies will include identification of opportunities, analysis of opportunities (water quality benefits, technical, physical and permitting), cost estimates, and concept design(s).

Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	24-Sep-18	End Date	31-Dec-21
Has Rates and Hours?	Yes		
Actual Results	<p>A draft agreement between Scott County and the City of Shakopee was compiled and routed for review. Cost for this administrative effort was not charged to the grant. Once executed, the agreement will be loaded to e-link and the city will begin work.</p> <p>February Reporting 2-14-2020 (KT): finalized the passthrough funding agreement with Scott WMO. Started scoping conversations with consultant but have not entered into a professional services agreement yet to complete the study. (Entered by Kirby Templin)</p> <p>January Reporting 1-28-21 (KT): Project scope has been put together with Barr Engineering. The PSA is being completed (getting signatures) and project work will begin soon. There was a staff change that occurred at Barr and the transfer of work to a new project manager resulted in delay of executing the PSA for this study.</p> <p>January Reporting 1-26-22 (KT): A Professional Services Agreement was executed with consultant Stantec to complete the study. A draft report has been completed and the city has provided comments. A final report is being prepared and is expected in February 2022.</p> <p>7/28/22 (MBE): The feasibility study was completed and a copy received by the WMO on May 16, 2022. Reimbursement documentation and invoicing has been processed. A link to the final study has been emailed to Steve Christopher on July 25, 2022 because the document is 64 MB and too large to upload to eLink. This activity is complete.</p>		

**Grant Activity - General Planning and Assessment**

<p><b>Description</b></p>	<p>This Activity consists of Planning and Assessment match efforts by Scott County and Scott WMO in support of other Activities where the Activity Category is Planning and Assessment. These specific Activities include: the Chlorides Assessment, City of Prior Lake DWSMA Abandoned Well Assessment, the Subwatershed Assessments, and Updating the Sand Creek Water Quality assessments and Implementation Plan. Outcomes and milestones for this Activity are the same as the other Activities that are supported. Staffing for this Activity will also be largely the same as that described for the other supported Activities supported; except for greater involvement of the Scott County Environmental Services Program Manager. See the other supported Activities for staff credentials.</p>		
<p><b>Category</b></p>	<p>PLANNING AND ASSESSMENT</p>		
<p><b>Start Date</b></p>	<p>24-Sep-18</p>	<p><b>End Date</b></p>	<p>31-Dec-21</p>
<p><b>Has Rates and Hours?</b></p>	<p>Yes</p>		
<p><b>Actual Results</b></p>	<p>Staff time was spent during the fall of 2018 to coordinate with partners, schedule and plan the work, and assign work for the various activities.  Feb 2020 report:  Coordination w/BWSR on Chloride contract questions; plan for new chloride prjt tasks w/Fortin; Savage chloride equipment workplan development &amp; contract; chloride cost share discussion; effort to compile or review information that supported multiple activities such as meeting with partners and preping for said meetings that were not single activity specific.  1/29/21 (MB): Spent a lot of time on an amendment and researching &amp; developing new Activities that would meet the original intent of the Special Practices Activity. Research on ideas for chloride grant equipment &amp; on urban bmp practices. Coordinated w/BWSR &amp; other staff for input on new Activities.  7/2/2021(MB): Urban BMP activity planning, kickoff mtg, contact with cities.  1/26/2022 (MBE): staff time on coordination of grant activities including Urban BMPs, chloride reduction equipment &amp; updating Sand Creek.  7/28/2022: staff time on coordination of grant activities including Urban BMPs, chloride reduction equipment &amp; updating Sand Creek.</p>		

**Grant Activity - Grassed Waterway: MSF 21-085**

<b>Description</b>	01-18-22 KMW Final Cooperator was experiencing erosion due to steep slopes and groundwater seeps, which are typical in the MN bluff landscape where they operate their farm. The erosion was directly upstream of a conservation project (lined waterway) constructed in 2016 and drains into Roberts Creek via a steep ravine. The new waterway was shaped, seeded, and stabilized with a straw and coconut fiber erosion control blanket. Additional mulch was spread over all other disturbed areas. Two areas of active groundwater seeps were addressed with tile to prevent destabilizing the new waterway. Annual ryegrass and barley were added to the seed mix as companion crops to provide quick germination and cover.		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	15-Dec-21	<b>End Date</b>	08-Dec-21
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	01-19-22 KMW Final: Cooperator installed a 385 Lin Ft grassed waterway in Blakeley Township, along with two other area with active groundwater seeps that where addressed with tile to prevent destabilizing the new waterway.		

Activity Action - 21-085 Grassed Waterway			
<b>Practice</b>	412 - Grassed Waterway and Swales	<b>Count of Activities</b>	1
<b>Description</b>	Cooperator in Blakeley Township installed a 385 Lin. Ft grassed waterway upstream of a lined waterway that drains into Roberts Creek via a steep ravine.		
<b>Proposed Size / Units</b>	385.00 LINEAR FEET	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	385.00 LINEAR FEET	<b>Installed Date</b>	7-Oct-21
<b>Mapped Activities</b>	1 Polygon(s)	<b>Technical Assistance Provider</b>	SWCD

Final Indicator for 21-085 Grassed Waterway			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	30.70
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Roberts Creek		

Final Indicator for 21-085 Grassed Waterway			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	30.7
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Roberts Creek		

Final Indicator for 21-085 Grassed Waterway			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	30.7
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Roberts Creek		

**Grant Activity - Groundwater Protection**

<p><b>Description</b></p>	<p>Well decommissions within Scott County are eligible for well decommission cost share consideration. Priority will be given in the following order: 1) Wells w/in DWSMAs &amp; w/in SWMO, 2) Wells outside of DWSMAs but w/in Scott WMO, 3) Wells w/in DWSMAs w/in Scott Co, 4) Wells outside of DWSMAs but w/in Scott Co. Those abandoned wells within a Drinking Water Source Management Area (DWSMA) would be given priority, but all abandoned well decommission applications are eligible. Cost share specifications and requirements will be followed in the SWMO/SWCD Conservation Practice Financial Assistance Program Policy Manual. The targeted number of sealings is three (3).</p> <p>Practice design and construction will adhere to applicable standards and specification as set forth in the USDA NRCS Field Office Technical Guide, Section IV, along with applicable Technical Releases and construction and materials specifications. Plans prepared and certified by a licensed P.E. may be substituted for the above, as deemed necessary.</p> <p>Scott SWCD staff qualifications are described in Activity Expanded TACS Program: 1) Technical &amp; Engineering Assistance. Cooperators are required to operate and maintain their practice for a minimum of 10 years and in accordance with O&amp;M plans prepared by the SWCD or County/WMO. The SWCD will conduct a minimum of 3 inspections over the lifespan of the project.</p>		
<p><b>Category</b></p>	<p>GROUNDWATER</p>		
<p><b>Start Date</b></p>	<p>11-Oct-18</p>	<p><b>End Date</b></p>	<p>30-Jun-22</p>
<p><b>Has Rates and Hours?</b></p>	<p>No</p>		
<p><b>Actual Results</b></p>	<p>7/28/2022 (RH), there was one well decommissioning project that was approved and certified complete. Marketing continued to occur and was even expanded beyond the WMO boundary and went County wide. No other projects were able to be installed and completed using these grant funds.</p> <p>EOY 1/28/22 RJH: No well sealing projects were approved in 2021. The Docket was revised to allow for required well sealings to be eligible for funding which should hopefully help in generating more interest for this practice.</p> <p>1/18/22 (MBE): Increase budget by \$185 from DWSMA Activity, w/approval.</p> <p>7/27/21 (RH): No well sealing projects were approved in the first half of 2021. Marketing will continue to try and generate projects that are eligible.</p> <p>1/29/21 (MB): New Activity created from late 2020 workplan amendment, from the original Special Practices Activity. SWCD was briefed on the new Activity and requirements. Marketing will start early 2021.</p>		



Activity Action - 22-028 Well Decommissioning			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	One well in Spring Lake was sealed preventing groundwater contamination.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	27-May-22
Mapped Activities	1 Point(s)	Technical Assistance Provider	SWCD

Final Indicator for 22-028 Well Decommissioning			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Groundwater		



<b>Description</b>	<p>This Activity consists of completing a feasibility study regarding runoff volume control (including the reuse of stormwater) in the Twin Lakes area of the City of Savage. Completion of such a project is being contemplated in a couple of years.</p> <p>Match will be provided by the City of Savage. Milestone include: 1) completing agreement between the City and Scott County/WMO in early 2019, and 2) Completion of the study in 2021.</p> <p>A majority of the work for the Activity will be completed by an engineering firm to be retained by the City of Savage. Direction and oversight will be provided by Jesse Carlson, Water Resources Manager for the City. Mr. Carlson has a B.S. in Environmental Studies/Water Resources and 15 years experience.</p> <p>The Draft Agreement between Scott County and the City for completion of the Feasibility Study and reimbursement, will be loaded in e-link once drafted. It is anticipated that the study will include identification of opportunities, analysis of opportunities (water quality benefits, technical, physical and permitting), cost estimates, and concept design).</p>		
<b>Category</b>	TECHNICAL/ENGINEERING ASSISTANCE		
<b>Start Date</b>	24-Sep-18	<b>End Date</b>	31-Dec-19
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>A draft agreement between Scott County and the City of Savage was compiled and routed for review. Cost for this administrative effort was not charged to the grant. Once executed, the agreement will be loaded to e-link and the city will begin work.</p> <p>February 2020 Update: The City will be routing the signed grant agreement to Scott County in February. The City is currently working on a scope for the project. The City expects to start work on this feasibility study spring of 2020 with a fall 2020 completion date.(Entered by Jesse Carlson)</p> <p>January 2021 Update: The Project kick-off for the Twin Lake Feasibility study was held on July 28, 2020. A draft report was submitted to the City for review in the fall of 2020. A meeting was held on January 8, 2021 to go over review comments. A final report is expected in February 2021. Once the final report is provided it will get up-loaded to eLink. To date we have been invoiced \$24,304.25. Once the report is finalized we will be submitting a reimbursement request.</p> <p>1/31/2022 (JDC) The final Twin Lake Watershed Feasibility Study was presented and accepted by the City of Savage council on December 18, 2021. This activity is now complete and a final reimbursement will be requested by the City. Final Twin Lakes Feasibility study uploaded on 12/23/21.</p>		



## Description

A Diagnostic Study, and Implementation Plan for Sand Creek were completed in 2010 focusing on reducing sediment and phosphorus pollution for Sand Creek and Cedar and McMahon Lakes. Much of the plan has been implemented, and new data has been collected by the MPCA (in support of developing WRAPS and TMDL's), Met Council, and the SWMO. The update will revise current strategies and flesh out additional strategies identified in pending Wraps and TMDL's. It will then be used to guide targeted implementation. Co staff will review 17 different studies & TMDLs for data & strategies & will complete a comprehensive review of those existing studies to create a memo w/ an updated list of priorities &/or strategies, which will then be used to guide targeted implementation actions. This will include the Sand Creek watershed areas in Le Sueur & Rice counties. Match will be provided by the Scott WMO as part of the General Planning and Assessment Activity.

Annual milestones include: In 2022, all research will be completed on TMDLs and WRAPS and any other applicable reports or studies. Updating of the Sand Creek Implementation Plan will also occur in 2022.

Staffing for the Activity consists of 100% from Scott County. Scott County staffing will be provided by the Water Resources Supervisor w/10 years experience in watershed management, the County's Water Resources Scientist, Ryan Holzer, and the County's Senior Water Resources Planner, Melissa Bokman (credentials provided under the Chlorides Assessment Activity). Ryan Holzer has over 10 years of experience and has a B.S. in Professional Studies (emphasis ecology/biology).

<b>Category</b>	PLANNING AND ASSESSMENT		
<b>Start Date</b>	1-Jan-19	<b>End Date</b>	31-Dec-19
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>No work was completed during the fall of 2018 on these assessments other than a small amount of effort completed as part of the General Planning &amp; Assessment activity to coordinate w/ the MPCA, &amp; the Le Sueur &amp; Rice SWCDs.</p> <p>EOY 2019 (MB): Effort was spent analyzing &amp; reviewing water quality &amp; hydrologic data, &amp; comparing it w/ watershed characteristics &amp; conservation implementation. This info/analysis was used to update water quality diagnoses of what is going on in the watershed w/ respect to management efforts &amp; water quality impairments. It was also used to guide an approach for completing Surface Water Assessment in partnership with the SWCDs &amp; to refine the approach going forward.</p> <p>EOY 2019 (RH): The subwatershed assessment agreements were not completed in 2019. Ongoing discussion w/ Rice and Le Sueur Co remain regarding which subwatersheds to focus on. BWSR PTMApp training was completed by Ryan Holzer in the fall as one option to use for the assessment tool. A determination of which tool to use is still being discussed. Subwatershed assessments plan on starting in 2020 w/ the goal of finishing them w/in the year.</p> <p>EOY 2020 RJH: Subwatershed assessment work has been initiated. It has been determined to work on subwatershed assessments on the Sanborn Lake, Cody Lake &amp; Phelps Lake watersheds. The Scott SWCD has been helping WMO staff w/ understanding PTMApp training.</p> <p>1/27/22 (MBE): Co staff are reviewing 17 different studies &amp; TMDLs for data &amp; strategies in order to guide future targeted implementation. Updating the 2010 implementation section will exceed the dollars allotted for this activity. Instead, we will complete a comprehensive review of existing studies to create an updated list of priorities, incorporating completed work &amp; current conditions &amp; use that to align project implementation criteria through the 1W1P process w/ Le Sueur &amp; Rice counties in the Sand Creek watershed.</p> <p>7/28/2022: see 7/28/2022 attachment</p>		

## Grant Attachments

Document Name	Document Type	Description
<b>07282022 Education_Outreach_Actual Results</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2019 SCWEP Annual Report</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2019 SCWEP Annual Report Appendix</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2019 SMART Salting Training Post Survey Summary</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2019 Staff time entry</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)

Document Name	Document Type	Description
<b>2019 WBIF Metro amendment EXECUTED</b>	Grant Agreement Amendment	
<b>2019 Watershed Based Funding Metro</b>	Grant Agreement	2019 Watershed Based Funding Metro - Scott County WMO
<b>2019 Watershed Based Funding Metro EXECUTED</b>	Grant Agreement	2019 Watershed Based Funding Metro - Scott County WMO
<b>2019_April_May_SWCDBillableRates</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2019_August_SWCDBillableRates</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2019_Jan_March_SWCDBillableRates</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2019_July_SWCDBillableRates</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2019_June_SWCDBillableRates</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2019_SWCD_StafftimeRecords_Inv2019_011LW</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2019_SWCD_StafftimeRecords_Inv2019_056Educ</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2019_SWCD_StafftimeRecords_Inv2019_056LW</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2019_SWCD_StafftimeRecords_Inv2019_094LW</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2019_SWCD_StafftimeRecords_Inv2019_126LW</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2019_Sept_Dec_SWCDBillableRates</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2020 SCWEP Annual Report</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2020 SCWEP Annual Report Appendix</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2020 Staff time entry</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2020_April_SWCDBillableRates</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2020_Feb_March_SWCDBillableRates</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2020_January_SWCDBillableRates</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2020_May_SWCDBillableRates</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2020_SWCD_StafftimeRecords_Inv2020_271Educ</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2020_SWCD_StafftimeRecords_Inv2020_286Educ</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2021 - City of Savage - Chloride Reduction - Salt Usage Report</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2021 Co Staff Time_July_Dec_Updated 3/1/2022</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2021 SCWEP Annual Report</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2021 SCWEP Appendix</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2021 SCWEP_Chloride_Bacteria_Education_Outreach</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2021 Staff time entry Jan_June</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2021_119 Invoice SWCD Staff Time</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)

Document Name	Document Type	Description
<b>2021_119 SWCD Q1 Invoice</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2021_January_April_SWCDBillableRates</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2021_July_Dec_AC01 Activity Detail Staff time</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2021_May_SWCDBillableRates</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>2022 Cost Share Policies_P19-3277</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/20/2020
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/05/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/29/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/25/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/29/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 12/23/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/06/2020
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/29/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/06/2022
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/18/2022
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/18/2022
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/23/2022
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 05/26/2022
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 07/29/2022
<b>All Details Report_July292022</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Alternatives for Salt Guide_Kit</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Bacteria postcard mailing_p2</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Brinkman_TACSApp_LinedWaterway</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Brinkman_Voucher</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Casey Acres Voucher</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Casey_TACSApp_Voucher_CoverCrop</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Chloride Equip Activity Detail_FullDescription_12232021</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Chloride Equipment Grant Application</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Chloride Equipment Grant Flyer</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Chloride Equipment Purchase - Payment and Invoice</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Chloride Postcard mailing</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Chloride Postcard mailing_p2</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)



Document Name	Document Type	Description
Chloride Reduction Equip_07282022 Actual Results	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Chloride Reduction Event Banner	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Chloride Reduction Event_11152021_GC	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Chloride grant promotion	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Chloride workshop media post	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Chris Schultz Application	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Chris Schultz Voucher	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Chris Schultz Voucher 2nd Year	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Savage Fact Sheet	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Savage Urban BMP As-Builts	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Savage Urban BMP Before Construction Photo	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Savage Urban BMP Contract	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Savage Urban BMP During Construction Photo	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Savage Urban BMP Invoices	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Savage Urban BMP Voucher	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Savage Urban BMP after construction photo	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Shakopee Fact Sheet	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Shakopee Urban BMP After Construction Photo	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Shakopee Urban BMP Amendment	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Shakopee Urban BMP As-Builts	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Shakopee Urban BMP Before Construction Photo	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Shakopee Urban BMP Contract	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Shakopee Urban BMP During Construction Photos	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Shakopee Urban BMP Invoices	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
City of Shakopee Urban BMP Voucher	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
CityofSavageInvoice_TwinLakesStudy	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
DZ Lawn Care Chloride Reduction Equip Grant App	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
DZ Lawn Care Reimb Invoice	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
DZ Lawn Care Smart Salting Certificate	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
DZLawnCare_ChlorideReducEquip	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
DZLawnCare_ChlorideReducEquip	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)

Document Name	Document Type	Description
DZLawnCare_ChlorideReducEquip	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
DZLawnCare_ChlorideReducEquip	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
DZLawnCare_ChlorideReducEquipment	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
DZ_LawnCare_ChIEquip_Invoice	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Dec2021_June302022_StaffTime_Expenses_Activity Detail	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Deicing Equipment Agreement_Savage	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Feedlot bacteria postcard mailing	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Final Financial Report	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Fortin Consulting Invoice_Oct2018	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Helpful Winter Maintenance Tools Guide	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Homeowner Smart Salting Kit contents	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Homeowner Smart Salting Kit display	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Homeowner Webinar Flyer_Dec 2020	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Hoppe_TACSApp_ShorelineProt	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Hoppe_Voucher_ShorelineProt	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Jesse Theis Grassed WW Application	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Jesse Theis grassed waterway WMO Voucher SR21-085	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Jesse Theis grassed waterway WMO application SR21-085	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
July2022 Expenses Incurred by June302022	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Liebard Well Sealing Application	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Liebard Well Sealing Voucher	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Meadow Green Lawn Reimbursement	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
Meadow Green Smart Salting Certificate_DaveCripe	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
MeadowGreen_ChlorideReducEquip	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
MeadowGreen_ChlorideReducEquip	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
MeadowGreen_ChlorideReducEquip	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
MeadowGreen_ChlorideReducEquip	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
MeadowGreen_ChlorideReducEquip	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
MeadowGreen_ChlorideReductionGrant_App	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
MeadowGreen_PaymentProof	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)

Document Name	Document Type	Description
<b>MeadowGreen_SnowwaterInvoice</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Nov42019_SMART Training_PreSurvey</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Oct152018_SMART Training_PreSurvey</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Oct222019_SMART Training_PreSurvey</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>P19-3277 Grant Amendment 2021</b>	Grant Agreement Amendment	
<b>P19-3277 Grant Amendment 2022</b>	Grant Agreement Amendment	
<b>P19-3277_1 Expenditures Report</b>	Journal	Journal Dated - 01/10/2022
<b>P19-3277_1 Reconciliation Checklist</b>	Journal	Journal Dated - 01/10/2022
<b>P19-3277_2 Reconciliation Checklist</b>	Journal	Journal Dated - 08/09/2022
<b>Photo_Henderson Brine Pro Mixing System</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Prior Lake DWSMA Abandoned Well Assessment</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>SMART Salting Trainings_Post Survey 2021</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>SWCD Inv 2021-154 Q2_FY19WBF_TA_Educ</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>SWCD Inv 2021-184 Q3_FY19WBF_TA_Educ</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>SWCD Inv 2021-229 Q4 FY19WBF_TA</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>SWCD Inv 2022-165 Q2_FY19WBF_TA</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>SWCD Invoices 2019-Jan2021</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>SWCD_WBF_TimevsInvoicing_2019_2020</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Salt Kit Letter</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Savage Xzalt Applicator Salt Usage</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>ScottCoParks_TACSApp_GrassedWaterway</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>ScottCoParks_Voucher_GrassedWaterwy</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Sept242018_SMART_Training PreSurvey</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Shakopee Chloride Red Equip Inv Pkt_2022</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Shakopee Chloride Reduction Equipment Agreement</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Shakopee Regional SW Feasibility_InvoicePkt_2022</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Temperature Guidance Kit content</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Thole Lake SWA</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Thole Lake Subwatershed Assessment</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Twin Lake Watershed SW Feasibility Study</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)

Document Name	Document Type	Description
<b>TwinLakes_Proof of Payment_City</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Updating Sand Crk Imp Plan_Actual Results</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>WBF 2018 AC01 ACTivity Detail Report</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>WBF 2019 AC01 Activity Detail Report</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>WBF 2020 AC01 Activity Detail Report</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>WBF 2021 AC01 Activity Detail Report_Jan_June</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>WBF E-link Financial Report Fall 2018</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>WSB Invoices_TwinLakesStudy</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>We are Salt Smart Kit content</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Winter Maintenance Youtube link</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Woestehoff_TACSApp_CWF_LinedWW</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Woestehoff_TACSApp_WBF_LinedWW</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Woestehoff_Voucher</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 10/11/2018
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 09/28/2018
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 09/11/2018
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 05/02/2022
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/28/2022
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 12/14/2021
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/06/2021
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 12/28/2020
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 04/05/2019
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 07/23/2019
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/22/2020
<b>Work Plan (Amended April 2019)</b>	Grant	2019 - Watershed Based Funding Metro (Scott County WMO)