



Scott Watershed Management Organization

200 Fourth Avenue West

Shakopee, MN 55379-1220

**Scott
Watershed Management Organization**

January 27, 2020

3:00 PM

**Scott County Government Center
County Board Room**



Scott Watershed Management Organization

200 Fourth Avenue West

Shakopee, MN 55379-1220

952-496-8054

Fax 952-496-8496

www.co.scott.mn.us

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AGENDA

Scott WMO – Watershed Planning Commission

January 27, 2020

3:00 p.m.

**Watershed Planning Commission Meeting
Scott County Board Room**

- | | |
|---|-------------|
| I. Call to Order | Action |
| II. Approval of Agenda | Action |
| III. Approval of Meeting Minutes | Action |
| a. November 25, 2019 | |
| IV. RECOGNITION OF INTERESTED CITIZENS | Information |
| Limited to items not on the agenda, and five minutes per person/subject. Speakers are asked to approach the microphone for the benefit of viewers and interested citizens. | |
| V. Election of Officers for 2020 | Action |
| a. Approval of 2020 meeting dates | Action |
| VI. Staff Reports | |
| a. Scott SWCD | Information |
| b. Scott WMO | Information |
| VII. Old Business | |
| a. Project Updates | Information |
| VIII. New Business | |
| a. Shakopee Local Water Management Plan | Action |
| b. Ken Malz Field Border TACS Application | Action |
| c. Nick Schmidt Field Border TACS Application | Action |
| d. Scott Pexa WASCOB TACS Amendment | Action |
| e. Stone House Farm LLC Conservation Cover TACS Application | Action |
| IX. Adjourn | |



Scott Watershed Management Organization

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MINUTES

Scott County WMO – Watershed Planning Commission

County Boardroom

November 25, 2019

Members Present:

Brian Schmidt
Jim Schwingler
Kevin Shea

Staff Present:

Vanessa Strong
Melissa Bokman
Beverly Cox-Alexander
Troy Kuphal
Kate Sedlacek

Others Present:

Charlie Howley

Absent:

Virgil Pint
Rita Weaver
Mark Vierling

CALL TO ORDER

Chair Schwingler called the meeting to order at 4:00 PM.

- Specific details and video of the entire November 25, 2019 Scott County WMO Watershed Planning Commission Meeting is available for viewing on the Scott County Website.
- The video link can be viewed at: <https://www.youtube.com/watch?v=hl-tbnkxqQU>

APPROVAL OF AGENDA:

Motion by Commissioner Schmidt; second by Commissioner Shea to approve the November 25, 2019 agenda. The motion carried unanimously.

APPROVAL OF MEETING MINUTES OCTOBER 28, 2019:

Motion by Commissioner Shea; and Second by Commissioner Schmidt to approve the October 28, 2019 minutes as written and presented. The motion carried unanimously.

STAFF REPORTS:

SCOTT SWCD:

- Troy Kuphal provided highlights of the November 2019 SWCD report that is available in the meeting packet
- Technical Assistance and Cost Share Requests
- Marketing and Promotion
 - Soil Health / Cover Crop
- Clean Water Education Program (SCWEP)
- Inventory and Assessment / Planning
- Volunteer Rainfall Monitoring
- Construction Erosion Control – County / Credit River
- Wetland Conservation Act - State
- Helena Wetland Bank
- Equipment Rental Use
- Buffer Law

Commissioner Schmidt inquired on the project fact sheet for Lowell and Brenda Schmitz Grassed Waterway asking if the project is out of the roadway right of way

Troy Kuphal commented the project is outside of the roadway right of way

SCOTT WMO:

Updates from Vanessa Strong

- Staff is working on helping the County update their Chapter 6, Storm Water Ordinance
- Staff are also working on an Alternative Urban Areawide Review (AUAR) for Jackson Township (a planned annexation)
- Staff were fortunate to attend the Minnesota River Ag Urban Partnership Forum in Mankato
- Recognize Commissioner Schwingler for all his years of service. There will be a formal recognition by the County Board in April 2020

OLD BUSINESS

Project Updates

Updates from Vanesa Strong on CIP Sand Creek Project

- Construction started on November 11th

- Tree harvesting is largely finished
- All boulder connections have been completed
- Epoxy testing has passed
- One full structure is almost complete
- The project is on schedule

Melissa Bokman provided updates on Markley Lake

- Pumping on Markley Lake began August 20th
- At that time the lake was 4.3 feet above the ordinary high water level
- In October it was reported the lake was 2.6 feet down from August 20th
- Due to recent rain, overall Markley Lake is down about 2.19 feet or 26" from August 20th
- The lake is still about 2 feet over the ordinary high water level
- Pumping came to a halt at the end of October due to weather and freezing conditions

Watercraft Inspections

Scott County Watercraft Inspections 2019 Year End Report by Waterfront Restoration

- Inspections performed on the following lake entrances
 - Thole, O'Dowd, Spring, McMahan, and (2) entrances at Cedar Lake
- Questions inspectors ask boaters
 - How long has the watercraft been out of the water?
 - What was the last waterbody you visited?
 - What waterbody do you plan to visit after this trip?
 - Have you spoken with an inspector in the last month?
- Some observations the inspectors record
 - Watercraft type
 - Drain plug in or out upon arrival
 - Any plants or animals found on water or mud? Why mud? New Zealand mud snails in that can barely see?
 - License plate number and state
- A total of 2,719 inspections were completed between all 6 of the launches inspected in Scott County
- Waterfront Restoration completed 1,234 hours of inspections and 2,719 physical watercraft inspections
- According to the survey data, the busiest day of the week was Saturday with 1,064 inspections and 512 hours
- Of the 2,719 total watercraft inspections conducted, 1,819 (67%) were entering inspections and 900 (33%) were exiting inspections
- Of the 1,819 entrance inspections less than 2% of them had violations
- Drain plug in at boater arrival (22) was the most common and plants (removable by hand) were the second most common finding (11)
- Staff summary of findings
 - Weekend staffing allowed us to inspect the highest possible percentage of boat traffic in the county
 - For further protection we recommend some inspector staffing Monday – Thursday
 - Recommend scheduling inspectors earlier on certain lakes

McMahon Lake Level and Outlet Updates

- Pumping on McMahon Lake began October 14th
- Budget to pump for 30 days
- Pump was shut off on November 14th
- From the last reading on November 19th the lake was down 14.4”
- Not all of the expenses are in yet
- Next step is to hold a meeting with the Landowners the 3rd week of December

Final 2020 Budget

Review of four adjustments to the preliminary 2020 levy and budget for the Scott Watershed Management Organization Special Taxing District and to consider a recommendation to the Board

- The levy increase has not changed from the WPC approved September 2019 Preliminary Budget of 3.9%
- Rollover funds from 2019
 - Staff is requesting funds be carried over for (3) inventory and assessment projects until projects are completed and staff has received final invoicing
 - These (3) projects are under contract to be completed by our partners (City of Jordan Flood Mitigation, Shakopee Feasibility Study, and Savage Feasibility Study)
 - These projects will not be completed within the original 2019 timeline. Staff is comfortable our partners will complete these projects before the end of 2020
- Staff is proposing a slight increase of \$13,880.00 to the Inventory and Assessment Program in order to complete the Cleary Lake Subwatershed Assessment (SWA) already underway, and begin the next round of SWA's (Robert's Creek has been identified)
- Overall both revenue and expenses are still down as compared to 2019
- The projected fund balance for the end of 2019 is low. This preliminary budget for 2020 is still somewhat low, but with grants pending, future balances should improve

Motion by Commissioner Shea; second by Commissioner Schmidt to recommend approval to the board of the Draft Final 2020 Levy and Budget. The motion carried unanimously.

NEW BUSINESS

December WPC Meeting Canceled

- No action items planned for December

ADJOURN MEETING

Motion by Commissioner Schmidt and Second by Commissioner Shea to adjourn the meeting at 4:32 PM. The motion carried unanimously.

Rita Weaver
Vice Chair, Watershed Planning Commission

Date

Beverly Cox-Alexander
Secretary



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952-496-8054 Fax 952-496-8496

www.scottcountymn.gov/wmo

Memorandum

January 27, 2020

To: Watershed Planning Commission
From: Vanessa Strong, Water Resources Supervisor
Subject: V. Election of Officers for 2020

Staff is providing the Scott Watershed Planning Commission Rules of Operation Approved 2008 (attached). The Rules are for information purposes only, and may be useful in assisting the Watershed Planning Commissioners in electing a Chair and Vice Chair for 2020.

Scott Watershed Planning Commission

Rules of Operation

Approved 2008

INTRODUCTION

Section 5 IV.B of the Comprehensive Water Resource Management Plan adopted by the Scott Watershed Management Organization (WMO) Board describes the Scott WMO Watershed Planning Commission (WPC). The WPC is a permanent advisory committee and will be operated under the County's standard procedures for advisory committees. This document sets out the rules of operation for the WPC including: responsibilities, membership, duties, compensation, meetings, and process to amend these rules.

RESPONSIBILITIES

The responsibilities of the WPC will include:

- a) Reviewing, commenting on, and recommending program priorities;
- b) Reviewing, commenting on, and recommending any necessary amendments to the Comprehensive Water Resource Management Plan;
- c) Reviewing, commenting on and recommending proposed annual workplans and budgets; and
- d) Utilize and implement the Comprehensive Water Resource Management Plan.

MEMBERSHIP

The WPC will consist of seven members who are residents of the Scott WMO. Two members will be from the Sand Creek Watershed (due to its large size), there will be one member from each of the remaining watersheds (Credit River, Southwest, and Shakopee Basin) and two members will be at large. WPC members will be appointed to three year terms, with a three term limit. Terms will be staggered at the outset to ensure continuity of membership over the long term. WPC members must be and remain residents of the watershed from which they are appointed.

CONFLICT OF INTEREST

If any WPC member has a financial interest or personal interest with respect to the parties involved, or stands to realize a financial or personal gain or loss with respect to an action on any matter coming before the WPC, that member shall disclose this fact and be disqualified from taking part in any discussion or action on the matter as a member of the WPC. The chair of the WPC shall make rulings on such disqualifications.

Any WPC member who believes that the WPC chair should be disqualified from any matter hereunder may refer the matter to the vice-chair who shall make a ruling on such disqualification.

REMOVAL FROM OFFICE

Any member of the WPC may be removed from office for just cause and on written charge by a majority vote of the Scott WMO Board. Any member may be removed for repeated, unexcused absence from WPC meetings. It will be the duty of the Chair of the WPC to notify the Chair of the Scott WMO Board when any member has three or more unexcused absences, or when a member's sporadic attendance prevents meaningful participation in WPC matters.

VACANCIES

The Chair of the WPC will direct staff to notify the Chair of the Scott WMO Board of vacancies occurring in membership. The Scott WMO Board will fill vacancies with a person from the same watershed in which the person being replaced resided within 60 days from the date the Scott WMO Board is notified of the vacancy.

COMPENSATION

Members of the WPC will receive no salaries or fees for their services, however members will be eligible to receive a per diem payment and mileage reimbursement at the County's standard rate for advisory committees.

OFFICERS

The WPC will elect a chair and a vice-chair from among its members. These officers will serve for one-year terms.

MEETINGS

The WPC will meet regularly pursuant to a schedule established by the WPC. The chair may call special meetings. The WPC will be subject to the Open Meeting Law, Minn. Stat. Ch. 13D. A quorum of at least four WPC members must be in attendance at regularly scheduled meetings to vote on action agenda items or to vote on motions made during regularly scheduled meetings.

VOTING

Each WPC member is entitled to one vote. The WPC will function by a majority vote of the members present. There must be a quorum present to vote. A tie-vote by the WPC constitutes an impasse, and the item in question must be tabled until the full seven-member WPC can be convened to vote on it.

OFFICIAL MINUTES

The minutes of the WPC will be recorded by Scott County staff, and will include the time, date and place of the meeting, the attendance of the members and guests, the topics of the meeting, actions taken or findings made, results of roll call votes, and a narrative or summary of pertinent discussions. A copy of the minutes for each meeting will be transmitted to members of the Scott WMO Board and the WPC.

RULES AND RESPONSIBILITIES

The WPC will use Robert's Rules of Order to govern its meetings and the transaction of its business.

COMMITTEES

To accomplish its prescribed responsibilities, the WPC may create committees of its members to study and report on projects, plans and programs under consideration by the Scott WMO Board. Such committees will operate under the Rules of Operation of the full WPC. The Chair of the WPC will appoint a chair and membership of all committees.

STAFF SUPPORT

Scott County will provide staff support to the WPC, coordinated through the Scott County Natural Resources Department. The cost of such support will be funded through the budget of the Scott WMO. The Scott WMO Board may make additional technical support available to the WPC by increasing appropriate budget allocations.

AMENDMENTS TO THE RULES OF OPERATION

Any WPC member may offer a motion to amend the Rules of Operation. The motion must receive a second before a vote on an amendment will be scheduled. All proposed amendments must be read before the WPC at a regularly scheduled meeting. Voting on any amendment will be held at the first meeting after a motion to amend has been made and seconded. Amendments to the Rules of Operation will require a majority vote of those present at the meeting and subsequent approval by the WMO Board.

SEPARABILITY PROVISIONS

Should any article of these Rules of Operation be held unconstitutional or void, the remaining provisions will remain in full force and effect.

EFFECTIVE DATE

These Rules of Operation will take effect immediately, subject to approval by the Scott WMO Board.

2020

Holidays & Observances

January

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Jan 01 New Year's Day
Jan 20 Martin Luther King Day
Jan 25 Chinese New Year
Feb 12 Lincoln's Birthday
Feb 14 Valentine's Day
Feb 17 President's Day
Feb 26 Ash Wednesday
Mar 08 Daylight Saving (begin)
Mar 17 St. Patrick's Day
Mar 20 Vernal equinox (GMT)
Apr 01 April Fool's Day
Apr 09 Passover
Apr 12 Easter
Apr 22 Admin Assistants Day
Apr 24 Ramadan begins
May 10 Mother's Day
May 25 Memorial Day
May 31 Pentecost
Jun 14 Flag Day
Jun 20 June Solstice (GMT)
Jun 21 Father's Day
Jul 04 Independence Day
Sep 07 Labor Day
Sep 19 Rosh Hashanah
Sep 22 Autumnal equinox (GMT)
Oct 12 Columbus Day
Oct 31 Halloween
Nov 01 Daylight Saving (end)
Nov 11 Veterans Day
Nov 26 Thanksgiving
Dec 10 Hanukkah begins
Dec 21 December Solstice (GMT)
Dec 25 Christmas Day
Dec 26 Kwanzaa begins
Dec 31 New Year's Eve

April

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July

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October

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November

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December

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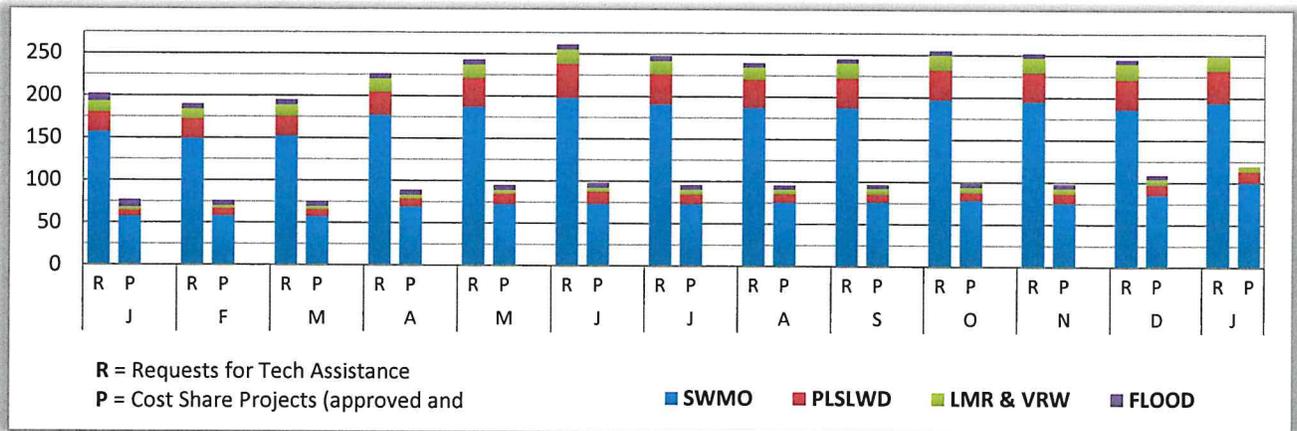
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Staff Reports

TECHNICAL ASSISTANCE AND COST SHARE REQUESTS



MARKETING AND PROMOTION

Soil Health/Cover Crop

- Published Dec edition of the Cover Crop Newsletter featuring 3 success stories from around the county. It had 22 views.
- Worked on the agenda for the Feb 26th cover crop workshop. It will be heavily advertised in Jan and Feb
- Updated the soil health Strategic Plan in preparation for winter marketing efforts

CLEAN WATER EDUCATION PROGRAM (SCWEP)

- Began drafting grant for Lawns to Legumes proposal, working with SWMO, PLSLWD, and LMRWD as partners for county-wide initiative
- Completed and presented video of drone and other video highlights in 2019 which was shared at monthly board meeting and will be used for social media promotion.
- Completed SCWEP annual report and scheduled annual partner meeting to discuss 2020 work plan
- Began collaboration with other metro county SWCD education professionals to apply for an LCCMR grant and begin a collaborative metro-wide partnership
- Published two blogs to our website focusing on Lawns to Legumes promotion, and promotion for the upcoming annual tree sale.

INVENTORY AND ASSESSMENT/PLANNING

- No activity

ZONING SUPPORT - COUNTY

- Continued regulatory guidance with Steve O'Loughlin and Scott County for potential new dairy barn

LIVESTOCK OPERATION ASSISTANCE

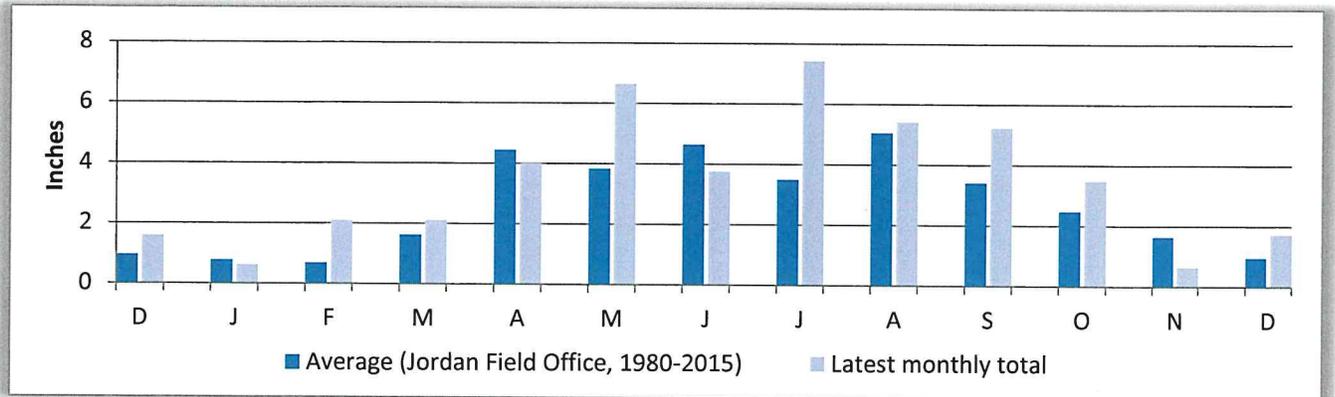
- Corresponded with NRCS on Randy Oldenburg CNMP update process for anticipated expansion and feedlot modifications
- Provided Steve O'Loughlin with MPCA stormwater permit application and guidance for process to facilitate construction of potential new dairy barn

MONITORING

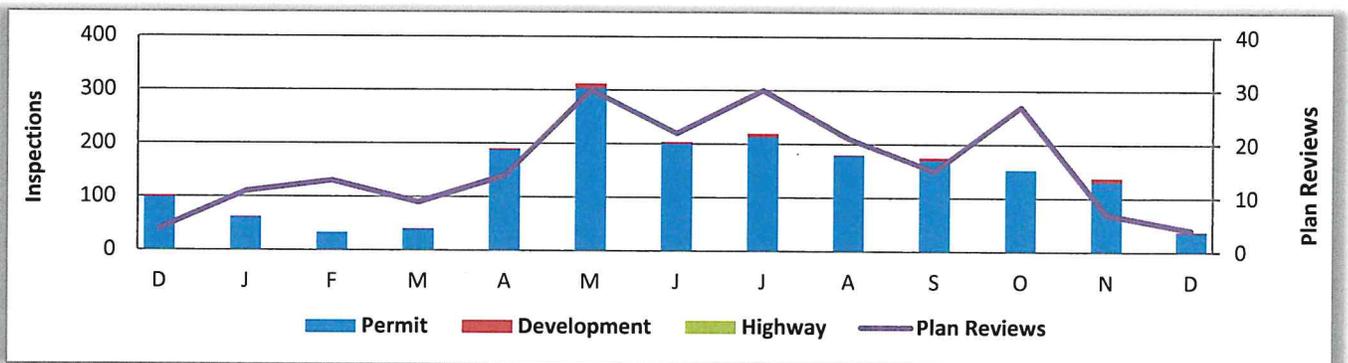
- Water Quality/Flows**
 - No activity
- Groundwater Level Observation Wells (DNR)**

- No activity

• **Volunteer Rainfall Monitoring**



CONSTRUCTION EROSION CONTROL – COUNTY/CREDIT RIVER



WETLAND CONSERVATION ACT - STATE

- **TEP Meetings**
 - Shakopee Ridge Replacement (City of Shakopee)
- **Notices of Application**
 - No activity
- **Notices of Decision**
 - Anthony & Steve Shimek- Boundary/ Type (New Market Township)
 - Faith Point Church- Boundary/ Type (Helena Township)
- **Enforcement/compliance**
 - No activity
- **Helena Wetland Bank**
 - Completed final seeding for the project in the Emergent Vegetation area
 - Met with BWSR staff to review costs for purposes of calculating credit distribution

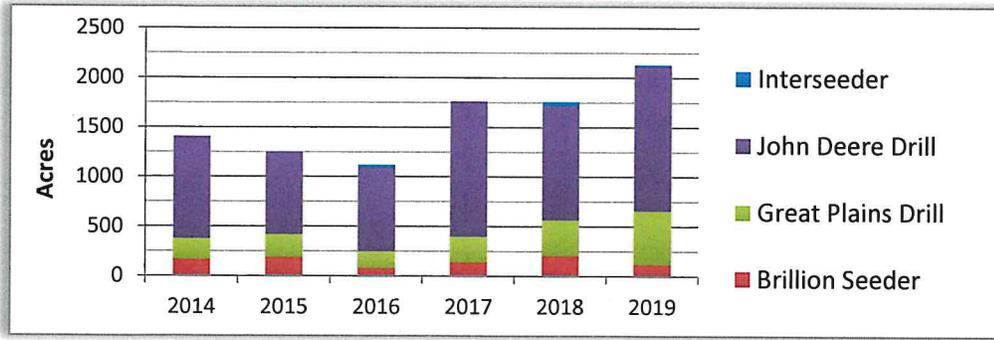
BUFFER LAW

- Made updates to BWSR's BuffCAT tracking system documenting monitoring is complete for 2019

TREE PROGRAM (SWCD)

- Began accepting orders on Jan1 – 70 orders to date

EQUIPMENT RENTAL USE



COOPERATIVE WEED MANAGEMENT (CWM) PROGRAM

- No activity – waiting to hear on status of MDA grant

WMO TACS PROGRAM ACTION BY SWCD BOARD (DEC-JAN '19)

Payments

Cooperator	Project/ID	Action	Grant/ID	Contract #	Amount
Hoppe, Michael	Shoreline Protection/CP-17-212	Final Payment	SCS 2018 LGF/P18-7950 SCS 2019 LGF/P19-6764 SWMO 2019 WBF/P19-3277	SCS 19-08 SCS 19-08 WMO 19-35	\$1,633.91 \$7,233.09 \$18,186.95
Noe, Chris	Streambank Protection/CP-16-122	Funds Switched	BWSR 2018 SCS SWMO 2019 LGF	SCS 17-04	-\$2,908.05 \$2,908.05
Entinger, Brian	Cover Crop/CP-17-238	Second Payment	SWMO 2016 EPA	WMO 18-05	\$4,000
Hagness, Justine*	Conservation Cover/ CP-19-007	First Payment	SWMO 2019 LGF	WMO 19-13	\$4,992
Hagness, Justine*	Wetland Restoration/CP-19-013	Final Payment	SWMO 2015 CWF Targeted/P15-0833	WMO 19-41	\$3,200
Holzer, Ryan	Native Grasses/CP-19-064	First Payment	SWMO 2016 EPA	WMO 19-20	\$2,195.94
Holzer, Ryan	Tree/Shrub/CP-18-145	First Payment	SWMO 2016 EPA	WMO 19-21	\$3,420
Kabes, Coralyn	Conservation Cover/CP-18-013	Second Payment	SWMO 2016 EPA	WMO 18-51	\$15,420
Koskovich, James*	Wetland Restoration/CP-17-130	Final Payment	SWMO 2018 LGF SWMO 2019 LGF	WMO 18-07	\$13,950 \$1,200
Neuburger, Glen*	Tree/Shrub/CP-19-004	Final Payment	SWMO 2016 EPA	WMO 19-05	\$336.57
Simon, Adam*	Cover Crop/CP-19-074	Final Payment	SWMO 2016 EPA	WMO 19-31	\$1,766
Singleton, Tim	Shoreline Protection/CP-16-222	First Payment	SWMO 2019 LGF	WMO 19-27	\$104.69

New Applications

Cooperator	Project/ID	Action	Grant/ID	Contract #	Amount
Halloran, John*	Well Decommission/CP-19-267	Approval	BWSR 2018 SCS/P18-7950 SWMO 2020 LGF	20-09 SWCD 20-08- SWMO	\$500 \$500
Kortuem, Thomas*	Well Decommission/CP-19-234	Approval	SWMO 2020 LGF BWSR 2018 SCS/P18-7950	20-10-SWMO 20-18-SWCD	\$425.25 \$425.25
Schmidt, Nick*	Conservation Cover/CP-19-080	Approval	2017 CWF LMR/C17-1253 SWMO 2020 LGF SWMO 2020 LGF	20-17-SWCD 20-03-SWMO 20-03-SWMO	\$4,350 \$11,975 (\$3,400)

Amendments

Cooperator	Project/ID	Action	Grant/ID	Contract #	Amount
Luce, Brian	Grassed Waterway/CP-18-055	Amendment	SWMO 2018 LGF	WMO 18-43	Date
Malecha, Ron	Grade Stabilization/CP-16-136	Amendment	SWMO 2016 EPA	WMO 18-55	\$2,955.50
Malecha, Ron	Grassed Waterway/CP-16-053	Amendment	SWMO 2017 LGF	WMO 16-44	Date
Wagner, Randall	Cover Crop/CP-19-226	Funds Switched	SWMO CWF Targeted Watershed/ SWMO FY2016 EPA	WMO 19-39	-\$1,500 \$1,500
Pexa, Scott	Water & Sediment Basin/CP-18-133	Amendment	SWMO FY2016 EPA	WMO 19-06	Date
Entinger, Brian	Cover Crop/CP-17-238	Funds Switched	SWMO 2016 EPA SWMO 2020 LGF	WMO 18-05	-\$4,000 \$4,000
Gensmer, Kim	Shoreline Protection/CP-19-126	Funds Switched	SWMO 2016 EPA SWMO 2020 LGF	WMO 19-26	-\$9,916 \$9,916
Gerold, Cody	Conservation Cover/CP-15-051	Funds Switched	SWCD 2017 CWF LMR/C17-1253 SWCD 2019 LGF SWMO 2019 LGF	SWCD 19-03 SWCD 19-03 2-12-SWMO	-\$4,571.92 \$785.64 \$1,276.86

Screening Committee Recommendation

Cooperator	Project/ID	Action	Grant/ID	Contract #	Amount
Eckstam, Kevin*	Conservation Cover/CP-19-035	Screening Committee Recommendation	SWMO 2020 LGF - Pending	20-05- SWMO	\$31,150
Eckstam, Kevin*	Grassed Waterway/CP-19-185	Screening Committee Recommendation	SWMO 2020 LGF - Pending	20-06- SWMO	\$10,633
Hagness, Justine*	Conservation Cover/CP-19-233	Screening Committee Recommendation	SWMO 2020 LGF - Pending	20-02-SWMO	\$8,470
Malz, Ken*	Field Border/CP-19-194	Screening Committee Recommendation	SWMO 2020 LGF - Pending	20-01-SWMO	\$5,600
Schmidt, Nick*	Field Border/CP-19-235	Screening Committee Recommendation	SWMO 2020 LGF - Pending	20-04-SWMO	\$6,400
Schmidt, Nick	Conservation Cover/CP-19-080	Screening Committee Recommendation	SWMO 2020 LGF – Pending	20-03 SWMO	\$11,975
Stone House Farm*	Conservation Cover/CP-19-015	Screening Committee Recommendation	WMO 2015 CWF Targeted/P15-0833 – Pending	WMO 19-45	\$26,760
Pexa, Scott	Water & Sediment Basin/CP-18-	Screen Committee Recommendation/	SWMO 2016 EPA	WMO 19-06	\$4,475 \$19,690

SWCD Staff Report to WPC
Jan 2020

	133	Amendment	SWMO 2020 LGF		
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*Fact Sheets attached

Justine Hagness Conservation Cover

Cooperator & Location

Applicant(s): Justine Hagness
 Address: 2962 West 230th Street, Jordan
 Location: Township: 113N Range: 23W Sect: 3
 City/Town: Helena Twp
 Watershed: 33136 Project ID: CP-19-238

Project Details

Practice

Conservation Cover

Quantity/Units: 3.0Acres Projected Installation: Spring 2020

Resource Protected

Sand Creek

Project Description

Landowner wishes to improve water quality and create wildlife habitat by installing conservation cover. The 3.0 acres is currently cropland and one area (1.3 acres) is within 300' of a ravine. This ravine outlets into Sand Creek.

Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	8.1	0.0	8.1
Sediment Load (tons/yr)	2.6	0.0	2.6
Phosphorus Load (lbs/yr)	4.3	0.0	4.3
Runoff Reduction (acre ft)	2.5	1.1	1.4

Aerial View of Project Site



Photo of Current Project Site



Cost Analysis

Project Costs		Funding Sources		Grant Sources		Unit Costs*				
Installation:	\$920.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>		Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)	
Incentives:	\$7,550.00	State	\$0.00	CWF	<input type="checkbox"/>		SWCD	\$0	\$0	\$0
Total:	\$8,470.00	SWCD	\$0.00	DRAP	<input type="checkbox"/>		SWMO	\$308	\$186	\$572
		SWMO	\$8,010.00	Approved			Overall	\$326	\$197	\$605
		Cooperator	\$460.00	12/17/2019						

*Over term of cost share contract

Justine Hagness Wetland Restoration

Cooperator & Location

Applicant(s): Justine Hagness
 Address: 2962 West 230th Street, Jordan
 Location: Township: 113N Range: 23W Sect: 3
 City/Town: Helena Twp
 Watershed: 33136 Project ID: CP-19-013

Project Details

Practice

Wetland Restoration

Quantity: **0.8 Acres** Certified Complete: 12/3/19

Resource Protected

Sand Creek

Project Description

A wetland has been drained by tile and farmed for row crops. The tile has been failing over time which is creating a wetland restoration by cessation of cropping. This project will restore the wetland function, value, habitat, diversity and capacity to a close approximation of the pre-disturbance conditions.

Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	0.8	0.0	0.8
Sediment Load (tons/yr)	0.1	0.0	0.1
Phosphorus Load (lbs/yr)	0.2	0.0	0.2
Runoff Reduction (acre ft)	0.7	0.3	0.4

Before Photo



After Photo



Cost Analysis

Project Costs		Funding by Source		Grant Source		Unit Costs*			
Installation:	\$0.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>		Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)
Incentives:	\$3,200.00	State	\$0.00	CWF	<input type="checkbox"/>	SWCD	\$0	\$0	n/a
Total:	\$3,200.00	SWCD	\$0.00	DRAP	<input type="checkbox"/>	SWMO	\$2,133	\$1,067	\$533
Targeted Project		SWMO	\$3,200.00	Approval Date		Overall	\$2,133	\$1,067	\$533
<input type="checkbox"/>		Cooperator	\$0.00	10/16/2019					

*Over term of cost share contract

Jim Koskovich Wetland Restoration

Cooperator & Location

Applicant(s): Jim Koskovich
 Address: 18491 Texas Ave., Prior Lake
 Location: Township: 113N Range: 22W Sect: 27
 City/Town: Cedar Lake Twp
 Watershed: 33022 Project ID: CP-17-130

Project Details

Practice
Wetland Restoration
 Quantity: **62.0 Acres** Certified Complete: 12/2/2019
Resource Protected
DNR Wetland 70-47W and Porter Creek
Project Description
 Existing structure is rapidly failing which will result in reduction of at least 238 acre feet of runoff storage. Entire berm has settled approximately one foot over the past 18 years. New structure will meet MN-DNR requirements for the wetland.
 Due to high water levels and fall construction, a coffer dam will be constructed to avoid a full drawdown of the wetland
Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	0.0	0.0	0.0
Sediment Load (tons/yr)	0.0	0.0	0.0
Phosphorus Load (lbs/yr)	0.0	0.0	0.0
Runoff Reduction (acre ft)	174.8	114.5	60.3

Before Photo



After Photo



Cost Analysis

Project Costs		Funding by Source		Grant Source		Unit Costs*			
Installation:	\$20,644.14	Federal	\$0.00	EPA-319	<input type="checkbox"/>		Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)
Incentives:	\$0.00	State		CWF	<input type="checkbox"/>	SWCD			n/a
Total:	\$20,644.14	SWCD	\$0.00	DRAP	<input type="checkbox"/>	SWMO			\$17
Targeted Project	<input type="checkbox"/>	SWMO	\$15,150.00	Approval Date		Overall			\$23
		Cooperator	\$5,494.14	4/17/2018					

*Over term of cost share contract

Glen Neuburger Tree/Shrub Establishment

Cooperator & Location

Applicant(s): Glen Neuburger
 Address: 2247 270 ST E, New Prague
 Location: Township: 113N Range: 22W Sect: 33
 City/Town: Cedar Lake Twp
 Watershed: 33017 Project ID: CP-19-004

Project Details

Practice

Tree/Shrub Establishment

Quantity: 2.2 Acres Certified Complete: 7/1/19

Resource Protected

DNR Public Watercourse

Project Description

A 2.2 acre tree planting consisting of Deciduous tree, conifers and shrubs. Weed barrier mats will be use to suppress weed competition and rigid net shelters will be used on deciduous trees due to deer browse potential.

Tree Shelters Installed in October, 2019.

Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	5.1	0.0	5.1
Sediment Load (tons/yr)	1.2	0.0	1.2
Phosphorus Load (lbs/yr)	2.2	0.0	2.2
Runoff Reduction (acre ft)	1.8	0.8	1.0

Before Photo



After Photo



Cost Analysis

Project Costs		Funding by Source		Grant Source		Unit Costs*			
Installation:	\$6,861.47	Federal	\$0.00	EPA-319	<input checked="" type="checkbox"/>		Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)
Incentives:	\$4,400.00	State	\$0.00	CWF	<input type="checkbox"/>	SWCD	\$0	\$0	n/a
Total:	\$11,261.47	SWCD	\$0.00	DRAP	<input type="checkbox"/>	SWMO	\$622	\$339	\$747
Targeted Project		SWMO	\$7,466.57	Approval Date		Overall	\$938	\$512	\$1,126
<input type="checkbox"/>		Cooperator	\$3,794.90	1/15/2019					

*Over term of cost share contract

Adam Simon Cover Crop

Cooperator & Location

Applicant(s): Adam Simon
 Address: 3001 267th St. E, Webster
 City/Town: Cedar Lake Twp
 Township: 113N Project ID: CP-19-074
 Range: 22W Watershed: 33022
 Section: 28 Approved: 8/20/2019

Project Details

Practice:
Cover Crop
 Quantity: **88.3 Acres** Certified Complete: 12/16/2019
 Resource Protected
Type 3 and greater wetlands

Project Location and Description



Adam is in the process of transitioning from a conventional tillage system to a no-till with cover crop system. Some fields were planted to cover crop last season while others weren't.

Cover crops consist of grasses, legumes, forbs or other herbaceous plants seeded individually or in mixes either before or after harvest of the primary crop. The primary benefits of cover crops include reducing erosion and improving the soil's physical and biological properties. Healthy soil yields less runoff and improves nutrient and water utilization by crops.

Funding Amounts and Sources

Project Costs		Funding by Source		Program	
Installation:	\$0.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>
Incentives:	\$1,766.00	State	\$0.00	CWF	<input type="checkbox"/>
Total:	\$1,766.00	SWCD	\$0.00	DRAP	<input type="checkbox"/>
Applicant:	\$0.00	SWMO	\$1,766.00	FLC	<input type="checkbox"/>

Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (Tons/yr)	40.3	21.1	19.2
Sediment Load (Tons/yr)	10.7	5.5	5.2
Phosphorus Load (lbs/yr)	24.7	14.6	10.1
Runoff Red. (Acre ft)			0.0

John Halloran Well Decommissioning

Cooperator & Location

Name): **John Halloran**
 Address: **9400 270th Street West, Belle Plaine, Minnesota 56011**
 City/Twp: **Belle Plaine**
 Watershed: **SWMO**
 Project ID: **SR-19-267**

Project Details

Practice: **Well Decommissioning**
 Quantity: **1.00 Each**
 Resource Protected:

Groundwater

Project Description:

John contacted the SWCD in hopes of sealing an old, unused well on his father's property. Doing so will protect groundwater resources by preventing contaminated water or other potentially harmful fluids from flowing or being dumped into the well.

Aerial View of Project Site



Current Project Site



Total Cost

Sources

	Cooperator:	\$1,155.00
	SWMO:	\$500.00
	SWCD:	\$500.00
	Federal:	\$0.00
\$2,155.00		

Local Funding Partner



Thomas Kortuem Well Decommissioning

Cooperator & Location

Applicant(s): Thomas Kortuem
 Address: 4652 Hickory Hills Trail , Prior Lake
 Location: Township: 114N Range: 22W Sect: 35
 City/Town: Spring Lake Twp
 Watershed: 33127 Project ID: CP-19-234

Project Details

Practice

Well Decommissioning

Quantity/Units: 1.0Each Projected Installation: Winter, 2019

Resource Protected

Groundwater

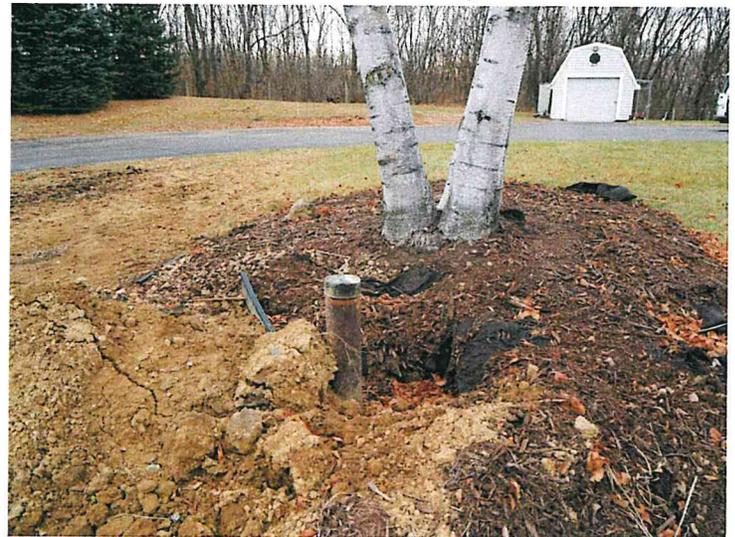
Project Description

Well decommissioning is the sealing and permanent closure of an inactive, abandoned, or inoperable water well. This practice protects groundwater resources by preventing contaminated water or other potentially harmful fluids from flowing or being dumped into the well.

Aerial View of Project Site



Photo of Current Project Site



Cost Analysis

Project Costs		Funding Sources		Grant Sources	
Installation:	\$1,280.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>
Incentives:	\$0.00	State	\$425.25	CWF	<input type="checkbox"/>
Total:	\$1,280.00	SWCD	\$0.00	DRAP	<input type="checkbox"/>
		SWMO	\$425.25	Approved	
		Cooperator	\$429.50	12/17/2019	

Nick Schmidt Conservation Cover

Cooperator & Location

Applicant(s): Nick Schmidt
 Address: 1129 Farmers Lane, Belle Plaine
 Location: Township: 113N Range: 25W Sect: 9
 City/Town: Blakeley Twp
 Watershed: 33087 Project ID: CP-19-080

Project Details

Practice

Conservation Cover

Quantity/Units: 3.9Acres Projected Installation: Spring 2019

Resource Protected

MN River

Project Description

The landowner would like to convert the cropland to Conservation Cover. This practice involves establishing native prairie ecosystems that were once characteristic of Minnesota. It improves water quality by eliminating sources of sediment and other pollutants and reducing runoff volumes. The project would include numerous native grasses and flowers, enhance habitat quality for all wildlife species including birds, pollinators, and natural landscape aesthetics for human enjoyment.

Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	19.0	0.0	19.0
Sediment Load (tons/yr)	4.4	0.0	4.4
Phosphorus Load (lbs/yr)	6.8	0.0	6.8
Runoff Reduction (acre ft)	3.1	1.4	1.7

Aerial View of Project Site

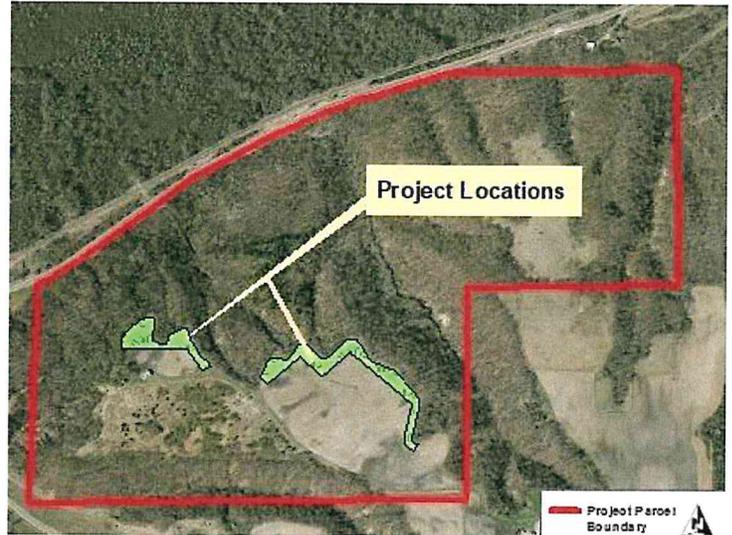


Photo of Current Project Site



Cost Analysis

Project Costs		Funding Sources		Grant Sources		Unit Costs*			
Installation:	\$2,500.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>	Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)	
Incentives:	\$10,725.00	State	\$0.00	CWF	<input type="checkbox"/>	SWCD	\$99	\$64	\$256
Total:	\$13,225.00	SWCD	\$4,350.00	DRAP	<input type="checkbox"/>	SWMO	\$173	\$112	\$449
		SWMO	\$7,625.00	Approved		Overall	\$301	\$194	\$778
		Cooperator	\$1,250.00	12/17/2019		*Over term of cost share contract			

Kevin Eckstam Conservation Cover

Cooperator & Location

Applicant(s): Kevin Eckstam
 Address: 1924 200 St. West, Jordan
 Location: Township: 114N Range: 23W Sect: 23
 City/Town: Sand Creek Twp
 Watershed: 33133 Project ID: CP-19-035

Project Details

Practice

Conservation Cover

Quantity/Units: 13.1Acres Projected Installation: Fall 2019

Resource Protected

Porter Creek

Project Description

Kevin built a new house on a 22 acre corn/soybean field (summer 2019). He would like to plant native prairie on 13.1 acres to provide habitat for pollinators and other species and to act as a filter before runoff enters a DNR stream that outlets into Porter Creek. This practice involves establishing native prairie ecosystems that were once characteristic of Minnesota. It improves water quality by eliminating sources of sediment and other pollutants and reducing runoff volumes. The project will include numerous native grasses and flowers, enhance habitat quality for all wildlife species including birds, pollinators, and natural landscape aesthetics for human enjoyment.

Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	51.7	0.0	51.7
Sediment Load (tons/yr)	17.7	0.0	17.7
Phosphorus Load (lbs/yr)	26.1	0.0	26.1
Runoff Reduction (acre ft)	10.7	4.6	6.1

Aerial View of Project Site



Photo of Current Project Site



Cost Analysis

Project Costs		Funding Sources		Grant Sources		Unit Costs*				
Installation:	\$6,800.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>		Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)	
Incentives:	\$27,750.00	State	\$0.00	CWF	<input type="checkbox"/>					
Total:	\$34,550.00	SWCD	\$0.00	DRAP	<input type="checkbox"/>		SWCD	\$0	\$0	\$0
		SWMO	\$31,150.00	Approved			SWMO	\$176	\$119	\$511
		Cooperator	\$3,400.00	12/17/2019			Overall	\$195	\$132	\$566

*Over term of cost share contract

Kevin Eckstam Grassed Waterway

Cooperator & Location

Applicant(s): Kevin Eckstam
 Address: 1924 200 St. West, Jordan
 Location: Township: 114N Range: 23W Sect: 23
 City/Town: Sand Creek Twp
 Watershed: 33133 Project ID: CP-19-185

Project Details

Practice

Grassed Waterway

Quantity/Units: 700.0 Lin Ft Projected Installation: Spring 2020

Resource Protected

Porter Creek

Project Description

Two Ephemeral gullies outlet and deposit sediment into a wetland and road ditch. Both the wetland and the road ditch outlet into a DNR protected drainage ditch with outlets into Porter Creek. Two Grassed Waterways and one Culvert Outlet Protection will be installed to treat these gullies.

Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	44.4	0.0	44.4
Sediment Load (tons/yr)	12.7	0.0	12.7
Phosphorus Load (lbs/yr)	12.7	0.0	12.7
Runoff Reduction (acre ft)			0.0

Aerial View of Project Site

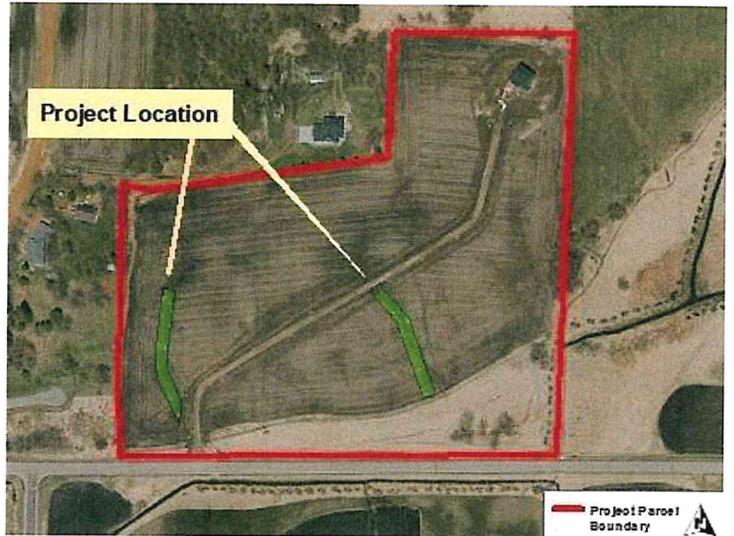


Photo of Current Project Site



Cost Analysis

Project Costs		Funding Sources		Grant Sources		Unit Costs*			
Installation:	\$12,510.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>	Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)	
Incentives:	\$0.00	State	\$0.00	CWF	<input type="checkbox"/>	SWCD	\$0	\$0	n/a
Total:	\$12,510.00	SWCD	\$0.00	DRAP	<input type="checkbox"/>	SWMO	\$84	\$84	n/a
		SWMO	\$10,633.00	Approved		Overall	\$99	\$99	n/a
		Cooperator	\$1,877.00	12/17/2019		*Over term of cost share contract			

Ken Malz Field Border

Cooperator & Location

Applicant(s): Ken Malz
 Address: 14471 Blakeley Trail, Belle Plaine
 Location: Township: 113N Range: 25W Sect: 15
 City/Town: Blakeley Twp
 Watershed: 33140 Project ID: CP-19-194

Project Details

Practice

Field Border

Quantity/Units: 2.8Acres Projected Installation: Spring 2020

Resource Protected

Quarry Creek

Project Description

A gully is depositing sediment into a road ditch which outlets into a grade stabilization structure. This structure was installed as part of the Quarry Creek Capital Improvement Project. The gully is caused by water-flow following crop rows within the headlands. A sensitive field border will be installed. Also this sensitive field border will buffer two planned grassed waterways.

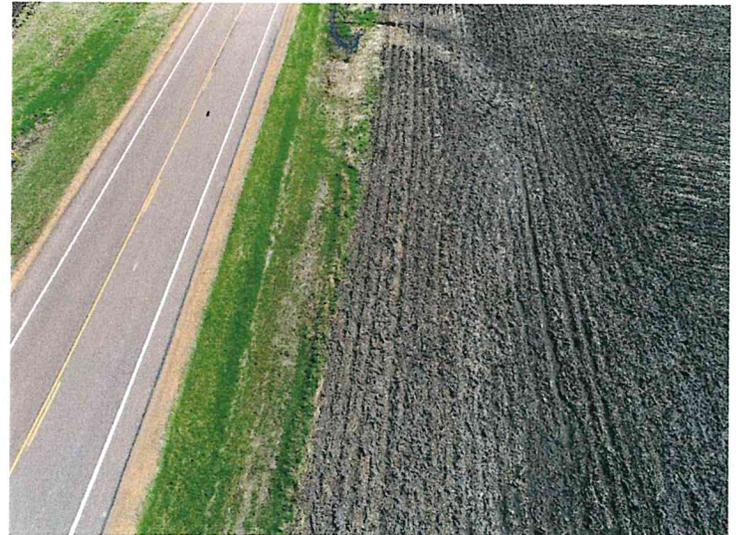
Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	10.2	0.2	10.0
Sediment Load (tons/yr)	2.8	0.0	2.8
Phosphorus Load (lbs/yr)	3.8	0.2	3.6
Runoff Reduction (acre ft)	2.3	1.5	0.8

Aerial View of Project Site



Photo of Current Project Site



Cost Analysis

Project Costs		Funding Sources		Grant Sources		Unit Costs*				
Installation:	\$0.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>		Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)	
Incentives:	\$5,600.00	State	\$0.00	CWF	<input type="checkbox"/>	SWCD	\$0	\$0	\$0	
Total:	\$5,600.00	SWCD	\$0.00	DRAP	<input type="checkbox"/>				n/a	
		SWMO	\$5,600.00	Approved		SWMO	\$200	\$156	\$700	
		Cooperator	\$0.00	12/17/2019		Overall	\$200	\$156	\$700	

*Over term of cost share contract

Nick Schmidt Field Border

Cooperator & Location

Applicant(s): Nick Schmidt
 Address: 1129 Farmers Lane , Belle Plaine
 Location: Township: 113N Range: 25W Sect: 9
 City/Town: Blakeley Twp
 Watershed: 33087 Project ID: CP-19-235

Project Details

Practice

Field Border

Quantity/Units: 3.2Acres Projected Installation: Spring 2020

Resource Protected

Minnesota River

Project Description

The landowner would like to reduce sheet/rill erosion by installing a sensitive field border. Doing so will remove the need for headlands on this field and allow for row cropping on the contour. The sensitive field border will complement a proposed grassed waterway or equivalent project.

Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	9.6	0.0	9.6
Sediment Load (tons/yr)	2.0	0.0	2.0
Phosphorus Load (lbs/yr)	3.6	0.0	3.6
Runoff Reduction (acre ft)	2.6	1.7	0.9

Aerial View of Project Site



Photo of Current Project Site



Cost Analysis

Project Costs		Funding Sources		Grant Sources		Unit Costs*			
Installation:	\$0.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>	Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)	
Incentives:	\$6,400.00	State	\$0.00	CWF	<input type="checkbox"/>	SWCD	\$0	\$0	\$0
Total:	\$6,400.00	SWCD	\$0.00	DRAP	<input type="checkbox"/>			n/a	
		SWMO	\$6,400.00	Approved		SWMO	\$320	\$178	\$711
		Cooperator	\$0.00	12/17/2019		Overall	\$320	\$178	\$711

*Over term of cost share contract

Stone House Farm LLC Conservation Cover

Cooperator & Location

Applicant(s): Stone House Farm LLC
 Address: 4430 Manitou Rd , Excelsior
 Location: Township: 114N Range: 23W Sect: 28
 City/Town: Sand Creek Twp
 Watershed: 33137 Project ID: CP-19-015

Project Details

Practice

Conservation Cover

Quantity/Units: 12.0Acres Projected Installation: Winter 2019

Resource Protected

Porter Creek

Project Description

David is converting a portion of his cropland to native grasses and flowers to enhance wildlife and pollinator habitat around his building site. Conservation Cover is establishing and maintaining permanent vegetative cover. This practice may be applied to accomplish one or more of the following: reduce soil erosion and sedimentation, improve water quality or enhance wildlife habitat.

Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	2.7	0.0	2.7
Sediment Load (tons/yr)	0.7	0.0	0.7
Phosphorus Load (lbs/yr)	1.9	0.0	1.9
Runoff Reduction (acre ft)	9.8	4.2	5.6

Aerial View of Project Site



Photo of Current Project Site



Cost Analysis

Project Costs		Funding Sources		Grant Sources		Unit Costs*			
Installation:	\$6,460.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>	Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)	
Incentives:	\$24,000.00	State	\$0.00	CWF	<input checked="" type="checkbox"/>	SWCD	\$0	\$0	\$0
Total:	\$30,460.00	SWCD	\$0.00	DRAP	<input type="checkbox"/>	SWMO	\$3,890	\$1,433	\$486
		SWMO	\$27,230.00	Approved		Overall	\$4,351	\$1,603	\$544
		Cooperator	\$3,230.00	12/17/2019					

*Over term of cost share contract



Scott Watershed Management Organization

200 Fourth Avenue West

Shakopee, MN 55379-1220

Old Business



Scott Watershed Management Organization

200 Fourth Avenue West

Shakopee, MN 55379-1220

New Business



Scott Watershed Management Organization
200 Fourth Avenue West
Shakopee, MN 55379-1220
952-496-8054 Fax 952-496-8496
www.scottcountymn.gov/wmo

Memorandum

January 27, 2020

To: Watershed Planning Commission

From: Vanessa Strong, Water Resources Supervisor

Subject: VIII.a. Shakopee Local Water Management Plan

The purpose of this agenda item is to consider a recommendation to the County Board to approve the City of Shakopee's Local Water Management Plan, dated February 2019.

The City submitted its Local Water Management Plan (LWMP) to the Scott WMO in early 2019. Per Minnesota Statute 103B.235, Subd. 3, the WMO shall have 60 days to complete its review of a local water plan. The WMO must also take into consideration comments submitted by the Metropolitan Council on the local water plan.

The WMO completed its review with comments in a letter dated March 6, 2019 (attached) to the City. The LWMP can be found on the City's website:
<https://www.shakopeemn.gov/government/departments/public-works/surface-water-drainage>.
Staff has reviewed that the requested changes were made in the City's LWMP and feels the Plan has been prepared in accordance with the requirements of Minnesota Statutes Section 473.157 and 103B.235 and Minnesota Rules 8410.0160 and 8410.0170, and contains the requirements for local plans.



Scott Watershed Management Organization

200 Fourth Avenue West

Shakopee, MN 55379-1220

952-496-8055 Fax 952-496-8496

www.scottcountymn.gov/wmo

March 6, 2019

Kirby Templin
City of Shakopee
485 Gorman Street
Shakopee, MN 55379

Dear Mr. Templin:

This letter presents the findings of the review of the draft City of Shakopee's Local Surface Water Management Plan, dated February 2019. The documents were reviewed for equivalency with the Scott Watershed Management Organization Comprehensive Water Resources Management Plan and in accordance with State Statute 103B and Minnesota Rules 8410. According to Minnesota Statute 103B.235, Subd. 3, the Scott Watershed Management Organization (SWMO) is required to consider comments submitted by the Metropolitan Council.

Overall, we commend the City for writing a thorough and well thought out Plan placing a high priority on working collaboratively with the three watershed organizations and for a commitment to improving water quality.

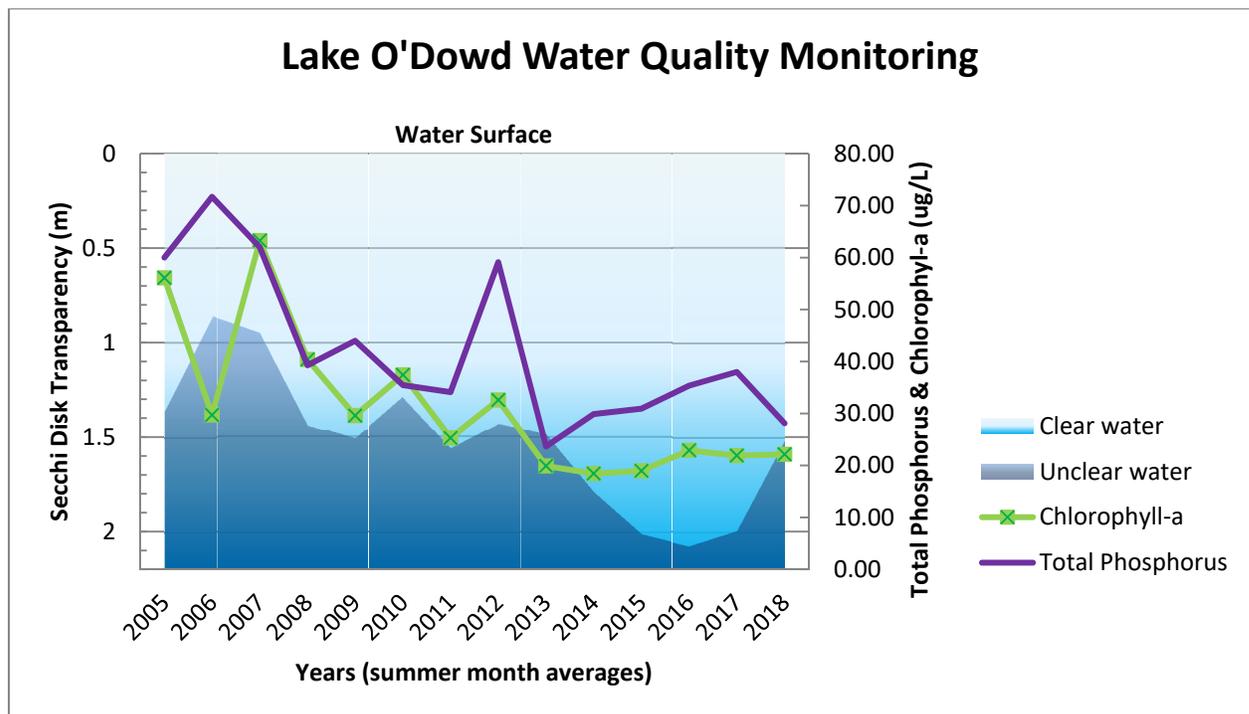
Although staff feels the Plan is close to an approval, we have some comments and follow-up questions we would like a response to before we are ready to recommend its approval. Below please find our comments and questions for your consideration and response. The Scott WMO is supposed to consider comments from Met Council, it has been brought to our attention they are still working on their comments, but we wanted to get our comments to the city as soon as possible.

Comments/Suggested Changes

1. Section 2, page 5, Figure 7; the water quality data mean values shown in Figure 7 for O'Dowd Lake do not match the water quality growing season averages the SWMO has from the Citizen-Assisted Monitoring Program data from Met Council. What year is this data representing in Figure 7 and what program was this data collected under?
2. Section 5, Page 3, 5.3 Water Quality Policies 2 & 3. Same comment as #2, Our current Plan and WMO Standards reference the MPCA NPDES Construction Stormwater requirements for post-construction stormwater treatment systems. The city should be referring to the post-construction MPCA NPDES permit requirements instead of NURP treatment.
3. Section 5, Page 3, #8 Resource classification table, "Desired Water Quality Parameters"; the desired water quality parameters listed in this table are higher than what O'Dowd Lake is currently experiencing for total phosphorus and secchi transparency. In 2016, the MPCA removed O'Dowd Lake for the federal impaired waters list because it meets water quality standards for the ecoregion it is in. The lake is experiencing an improving trend in water quality and since 2008, the average total phosphorus concentration in O'Dowd has been less

than 40 ug/L (with the exception of 2012 which it was still under the above standard). Transparency and chlorophyll-a have been on an improving trend since 2008 as well.

State Standards for Shallow Lakes in the North Central Hardwood Forest Ecoregion	
Parameter	Standard (units)
Total Phosphorus	60 µg/L
Chlorophyll-a	20 µg/L
Secchi Disk Transparency	Greater than 1m



Staff recommends removing the “desired water quality parameters” column or numbers and rather state that the goal is to not degrade from current conditions, rather than enter a range of quantities higher than the current standard and condition of the lake. In addition, the city may want to consider that the numbers entered for the desired water quality parameters for the Minnesota River in your table, are far below the State standard for Class 2 b waters. The total phosphorus standard for the river is less than or equal to 150 ug/L. Considering the size of the Minnesota River watershed and the multitude of inputs from other regions, it seems unlikely that the city will even get close to the 30-75 ug/L for phosphorus in the Minnesota River. The SWMO’s target goal for total phosphorus parameter to the Minnesota River is less than or equal to 150 ug/L (SWMO Water Resources Plan, page 3-11).

4. Section 5, Page 3, #8 Resource classification table, “Desired Water Quality Parameters”; the desired water quality parameters listed in this table for Dean Wetland for the classification of this waterbody, and considering its historical hydrologic alterations and sediment inputs starting in the 1980s. A few years ago the Lower Minnesota River Watershed District with concurrence of Scott County, the Prior Lake Spring Lake Watershed District and the City of Shakopee, submitted evidence to the Minnesota Pollution Control

Agency that Dean Lake did not meet criteria for being considered a lake, rather it was a wetland, and requested a change in classification. This change was granted. Thus, we suggest the city consider non-degradation from the current condition as the goal for Dean Wetland rather than a range or standard established for lakes. This would be consistent with what was articulated by residents around the “lake” when they were consulted about the re-classification (i.e. they were fine with considering it a wetland provided steps were taken to keep it from getting worse). A definition and goals for maintaining the existing quality could be articulated in terms of the existing phosphorus concentrations and/or maintaining or improving the diversity of aquatic plants (habitat quality).

5. Section 7, Page 7, Groundwater 7; The Scott County Comprehensive Groundwater Plan is expired. You can delete this bullet point. We did not update it; instead we incorporated a groundwater Strategy into the Scott WMO Water Resources Management Plan.
6. Section 7, Page 1, 5.1 Summary; Our current Plan and WMO Standards reference the MPCA NPDES Construction Stormwater requirements for post-construction stormwater treatment systems. NURP standards are different than what is in the NPDES permit. The city should be referring to the post-construction MPCA NPDES permit requirements instead of NURP treatment.

Edits

1. Section 2, Page 9, second paragraph, “County” is not included in the Scott Watershed Management Organization name.
2. Section 2, Page 9, 2.3.6 Groundwater, 2. “The Scott ~~County~~ Watershed Management Organization Comprehensive Water Resources Management Plan...” “County” is not included in the name of the Scott WMO. The link you have for this Plan should be changed to:
<https://www.scottcountymn.gov/DocumentCenter/View/11775/WMO-Water-Resources-Plan-FINAL>
3. Section 4, Page 7, 4.4; Issue 4.4.1 Corrective Action; “The city will work with the watershed ~~district~~ management organization or Scott WMO, regarding water quality issues and participate...” O’Dowd Lake is within the jurisdiction of the Scott WMO, not the watershed districts.
4. Section 4, Page 11, Issue 4.11.3 Corrective Action; These agencies include ~~three~~ watershed districts and one watershed management organization, the county....”

Thank you for the opportunity to review your Local Surface Water Management Plan. If you have any questions regarding our comments, feel free to give me a call at 952-496-8887 or email mbokman@co.scott.mn.us.

Sincerely,

Melissa Bokman Ermer
Sr. Water Resources Planner

Cc: Paul Nelson, Environmental Services Program Manager, Scott WMO Administrator
Joe Mulcahy, Environmental Analyst, Metropolitan Council



Scott Watershed Management Organization

200 Fourth Avenue West

Shakopee, MN 55379-1220

952-496-8054 Fax 952-496-8496

www.co.scott.mn.us

Memorandum

January 22, 2020

To: Watershed Planning Commission
From: Ryan Holzer, Water Resources Scientist RH
Subject: Ken Malz Field Border Application

Included with this memo is a WMO cost share application from Ken Malz for a field border. The property is located in Scott County in the NW ¼ of the NW ¼, T113N, R25W, Section 15, Blakeley Township.

The total estimated incentive of the project is \$5,600.00. The proposed funding source is the Local General Fund of the WMO, which has the available funds for the project.

This field border is proposed to be planted in the headlands of a field where erosion is occurring. This erosion is proposed to be addressed by two grassed waterways and this field border will help further buffer the waterways. Also, this area is just upstream of the Quarry Creek Ravine Stabilization project that was constructed in 2016.

This application requires a Screening Committee recommendation since the environmental benefits exceed \$100/ton for sediment. The Scott SWCD Screening Committee reviewed the application at their December 17th Board Meeting and recommended approval.

Ken Malz Field Border

Cooperator & Location

Applicant(s):	Ken Malz		
Address:	14471 Blakeley Trail, Belle Plaine		
Location:	Township: 113N	Range: 25W	Sect: 15
City/Town:	Blakeley Twp		
Watershed:	33140	Project ID:	CP-19-194

Project Details

Practice	Field Border																						
Quantity/Units:	2.8Acres	Projected Installation:	Spring 2020																				
Resource Protected	Quarry Creek																						
Project Description	<p>A gully is depositing sediment into a road ditch which outlets into a grade stabilization structure. This structure was installed as part of the Quarry Creek Capital Improvement Project. The gully is caused by water-flow following crop rows within the headlands. A sensitive field border will be installed. Also this sensitive field border will buffer two planned grassed waterways.</p>																						
Environmental Benefits	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Before</th> <th>After</th> <th>Saved</th> </tr> </thead> <tbody> <tr> <td>Soil Erosion (tons/yr)</td> <td>10.2</td> <td>0.2</td> <td>10.0</td> </tr> <tr> <td>Sediment Load (tons/yr)</td> <td>2.8</td> <td>0.0</td> <td>2.8</td> </tr> <tr> <td>Phosphorus Load (lbs/yr)</td> <td>3.8</td> <td>0.2</td> <td>3.6</td> </tr> <tr> <td>Runoff Reduction (acre ft)</td> <td>2.3</td> <td>1.5</td> <td>0.8</td> </tr> </tbody> </table>			Parameter	Before	After	Saved	Soil Erosion (tons/yr)	10.2	0.2	10.0	Sediment Load (tons/yr)	2.8	0.0	2.8	Phosphorus Load (lbs/yr)	3.8	0.2	3.6	Runoff Reduction (acre ft)	2.3	1.5	0.8
Parameter	Before	After	Saved																				
Soil Erosion (tons/yr)	10.2	0.2	10.0																				
Sediment Load (tons/yr)	2.8	0.0	2.8																				
Phosphorus Load (lbs/yr)	3.8	0.2	3.6																				
Runoff Reduction (acre ft)	2.3	1.5	0.8																				

Aerial View of Project Site



Photo of Current Project Site



Cost Analysis

Project Costs		Funding Sources		Grant Sources		Unit Costs*			
Installation:	\$0.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>	Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)	
Incentives:	\$5,600.00	State	\$0.00	CWF	<input type="checkbox"/>	SWCD	\$0	\$0	\$0
Total:	\$5,600.00	SWCD	\$0.00	DRAP	<input type="checkbox"/>	SWMO	\$200	\$156	\$700
		SWMO	\$5,600.00	Approved		Overall	\$200	\$156	\$700
		Cooperator	\$0.00	12/17/2019					

*Over term of cost share contract

SCOTT WMO CONSERVATION PROJECT FINANCIAL ASSISTANCE APPLICATION/CONTRACT

GENERAL INFORMATION

Project ID: CP-19-194

Financial Assistance Provider SCOTT WMO	Contract No. <i>SWMO-20-01</i>	Other Cost Share Sources? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Amendments (if any)	Canceled (if applicable)
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APPLICANT

Name Ken Malz	Address 14471 Blakeley Trail	City/State Belle Plaine, MN	Zip 56011
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PROJECT LOCATION

City/Township Name Blakeley Twp	Township 113N	Range 25W	Section 15	1/4 1/4 NW1/4 ; NW1/4	Minor Watershed # 33140
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PROJECT TYPE & COST ESTIMATE

Conservation Practice Name Field Border		Quantity 2.8	Units Acres
Eligible components (list NRCS Practice Codes) 386	Other recognized technical practice(s)	Practice type <input type="checkbox"/> Engineered <input checked="" type="checkbox"/> Ecological	Total Cost Estimate \$5,600.00

INSTALLATION COST SHARE AMOUNTS

Scott SWCD: \$0.00 Federal: \$0.00 Landowner: \$0.00
 Scott WMO: \$0.00 State: \$0.00 Other:

MAXIMUM AUTHORIZED AMOUNTS

Project installation cost-share shall not exceed **\$0.00** or **0.0%** of total eligible costs, **whichever is less.**
 Project incentives shall not exceed: **\$5,600.00**

Note: Incentives of \$600 or more are considered taxable income and will be reported to the IRS.

TERMS AND CONDITIONS

I (we), the undersigned Applicant, hereby request financial assistance to help defray the cost of installing the conservation project listed above. I/we understand and agree to the following terms and conditions:

1. This application will be reviewed and considered by the Approval Authority, which will be the Scott Soil and Water Conservation (SWCD) or the Scott Watershed Management Organization (WMO). The application may be approved for less than the amount requested, or it may be denied altogether, based on consideration of the public interest, including but not limited to cost effectiveness. If approved, this application shall constitute a contract which shall remain in effect unless cancelled or amended by mutual agreement.
2. The project Total Cost Estimate and Maximum Authorized Amounts listed are estimates only and are subject to change based on actual project installation quantities and costs.
3. The Applicant is responsible for full establishment, operation and maintenance of the practice identified above to ensure the conservation objectives of the project are met and the effective life of the practice is achieved. The effective life of this project is **10 years**, starting on the date the project is certified complete. All operation and maintenance requirements will be described in an Operation and Maintenance (O&M) Plan prepared by the SWCD.
4. Adherence to a Conservation Plan, in addition to the O&M Plan, may be required. A Conservation Plan is prepared by the SWCD for the Applicant and lists other conservation measures that may be required on the property as a condition of receiving financial assistance. If required, the Applicant shall be responsible for complying with the provisions of the Conservation Plan through the effective life of the project.
5. The O&M Plan and Conservation Plan are incorporated herein by reference. Should the Applicant fail to comply with the provisions of the O&M or Conservation Plans through the effective life, they shall be liable to the Approval Authority for **150%** of the amount received under this contract. The Applicant shall not, however, be liable for repayment if failure of the project was caused by reasons beyond their control, or if alternative conservation measures providing an equivalent level of soil and water protection during the effective life are applied at their own expense.

- If title or tenancy of the property is transferred to another party before expiration of the effective life, the Applicant shall advise the new owner and/or tenant that this contract is in force and provide them with copies of the O&M Plan and Conservation Plan, as applicable. The Applicant shall also notify the Approval Authority of any transfer of title or tenancy.

Notwithstanding any of the above, transfer of property or change in tenancy shall not release the Applicant from liability for repayment due to failure of the Applicant or new property owner or tenant to adhere to the O&M Plan or Conservation Plan.

- If the project has not been installed by 12/31/2020, this contract may be terminated unilaterally by the Approval Authority on this date or any date thereafter unless it is amended by mutual agreement. Failure to complete the project by this or an amended date may, at the Approval Authority's discretion, result in forfeiture of funds.
- The practice and any related components must be planned and installed in accordance with applicable technical standards and specifications, as deemed appropriate by the SWCD.
- Any change in practice units and/or costs must be authorized by the SWCD as a condition to increasing any financial assistance amounts. A formal amendment to this contract may be required at the SWCD's discretion.
- Payments are made on a reimbursement basis after the practice is certified complete. Requests for reimbursement of out-of-pocket or in-kind costs shall be supported by evidence of paid invoices or receipts and verified by the SWCD as practical and reasonable. At its discretion, the SWCD may reduce or deny costs it deems not practical or reasonable.

APPLICANT AND LANDOWNER SIGNATURE(S)

By signing below, I/we agree to the following provisions in addition to the above Terms and Conditions:

- Grant the Approval Authority or its technical representative access to the property where the project will be located for a period not less than the effective life of the project, for the purpose of inspecting for proper operation and maintenance.
- Obtain all permits required in conjunction with the installation and establishment of the practice prior to starting construction. At its discretion, the SWCD may assist with obtaining permits.
- Not accept cost-share funds from other local, state or federal sources combined in excess of the maximum rate allowed under applicable Conservation Practice Financial Assistance Program policies.
- Abide by the terms and conditions of the SWCD's Conservation Practice Financial Assistance Program policies, as of the date this contract is signed by the Applicant.

Applicant:

Kenneth May

Date:

12/16/19

Landowner:
(if different)

Date:

- I do not want personally identifiable information about me or my project to be used for public education purposes.

TECHNICAL REPRESENTATIVE SIGNATURE

I have reviewed the site where the above project will be installed and find that it is needed and feasible, and that the estimated quantities and costs are practical and reasonable.

SWCD Technical Representative	Date	Reviewer Initials	Date
<i>Andy Porupsky</i>	<u>12/16/19</u>	<i>AS</i>	<u>12/16/19</u>

APPROVAL AUTHORITY SIGNATURE

Approval Authority	Authorized Signature for Financial Assistance Provider	Date
<input checked="" type="checkbox"/> Scott WMO Board <input type="checkbox"/> Scott SWCD Board		



Scott Watershed Management Organization

200 Fourth Avenue West

Shakopee, MN 55379-1220

952-496-8054 Fax 952-496-8496

www.co.scott.mn.us

Memorandum

January 22, 2020

To: Watershed Planning Commission

From: Ryan Holzer, Water Resources Scientist RH

Subject: Nick Schmidt Field Border Application

Included with this memo is a WMO cost share application from Nick Schmidt for a field border. The property is located in Scott County in the SE $\frac{1}{4}$ of the NW $\frac{1}{4}$, T113N, R25W, Section 9, Blakeley Township.

The total estimated incentive of the project is \$6,400.00. The proposed funding source is the Local General Fund of the WMO, which has the available funds for the project.

This field border is adjacent to a conservation cover application which was recently approved. Planting of the field border will also allow the headlands to be removed in the field which then promotes contour farming in the field.

This application requires a Screening Committee recommendation since the environmental benefits exceed \$100/ton for sediment. The Scott SWCD Screening Committee reviewed the application at their December 17th Board Meeting and recommended approval.

Nick Schmidt Field Border

Cooperator & Location

Applicant(s): Nick Schmidt
 Address: 1129 Farmers Lane, Belle Plaine
 Location: Township: 113N Range: 25W Sect: 9
 City/Town: Blakeley Twp
 Watershed: 33087 Project ID: CP-19-235

Project Details

Practice

Field Border

Quantity/Units: 3.2Acres Projected Installation: Spring 2020

Resource Protected

Minnesota River

Project Description

The landowner would like to reduce sheet/rill erosion by installing a sensitive field border. Doing so will remove the need for headlands on this field and allow for row cropping on the contour. The sensitive field border will complement a proposed grassed waterway or equivalent project.

Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	9.6	0.0	9.6
Sediment Load (tons/yr)	2.0	0.0	2.0
Phosphorus Load (lbs/yr)	3.6	0.0	3.6
Runoff Reduction (acre ft)	2.6	1.7	0.9

Aerial View of Project Site



Photo of Current Project Site



Cost Analysis

Project Costs		Funding Sources		Grant Sources		Unit Costs*			
Installation:	\$0.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>	Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)	
Incentives:	\$6,400.00	State	\$0.00	CWF	<input type="checkbox"/>				
Total:	\$6,400.00	SWCD	\$0.00	DRAP	<input type="checkbox"/>	SWCD	\$0	\$0	\$0
		SWMO	\$6,400.00	Approved					n/a
		Cooperator	\$0.00	12/17/2019		SWMO	\$320	\$178	\$711
						Overall	\$320	\$178	\$711

*Over term of cost share contract

SCOTT WMO CONSERVATION PROJECT FINANCIAL ASSISTANCE APPLICATION/CONTRACT

GENERAL INFORMATION

Project ID: CP-19-235

Financial Assistance Provider SCOTT WMO	Contract No. <i>WMO 20-04</i>	Other Cost Share Sources? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Amendments (if any)	Canceled (if applicable)
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APPLICANT

Name Nick Schmidt	Address 1129 Farmers Lane	City/State Belle Plaine, MN	Zip 56011
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PROJECT LOCATION

City/Township Name Blakeley Twp	Township 113N	Range 25W	Section 9	1/4 1/4 SE1/4 ; NW1/4	Minor Watershed # 33087
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PROJECT TYPE & COST ESTIMATE

Conservation Practice Name Field Border		Quantity 3.2	Units Acres
Eligible components (list NRCS Practice Codes) 386	Other recognized technical practice(s) 342	Practice type <input type="checkbox"/> Engineered <input checked="" type="checkbox"/> Ecological	Total Cost Estimate \$6,400.00

INSTALLATION COST SHARE AMOUNTS

Scott SWCD: \$0.00 Federal: \$0.00 Landowner: \$0.00
 Scott WMO: \$0.00 State: \$0.00 Other:

MAXIMUM AUTHORIZED AMOUNTS

Project installation cost-share shall not exceed **\$0.00** or **0.0%** of total eligible costs, **whichever is less**.
 Project incentives shall not exceed: **\$6,400.00**

Note: Incentives of \$600 or more are considered taxable income and will be reported to the IRS.

TERMS AND CONDITIONS

I (we), the undersigned Applicant, hereby request financial assistance to help defray the cost of installing the conservation project listed above. I/we understand and agree to the following terms and conditions:

1. This application will be reviewed and considered by the Approval Authority, which will be the Scott Soil and Water Conservation (SWCD) or the Scott Watershed Management Organization (WMO). The application may be approved for less than the amount requested, or it may be denied altogether, based on consideration of the public interest, including but not limited to cost effectiveness. If approved, this application shall constitute a contract which shall remain in effect unless cancelled or amended by mutual agreement.
2. The project Total Cost Estimate and Maximum Authorized Amounts listed are estimates only and are subject to change based on actual project installation quantities and costs.
3. The Applicant is responsible for full establishment, operation and maintenance of the practice identified above to ensure the conservation objectives of the project are met and the effective life of the practice is achieved. The effective life of this project is **10 years**, starting on the date the project is certified complete. All operation and maintenance requirements will be described in an Operation and Maintenance (O&M) Plan prepared by the SWCD.
4. Adherence to a Conservation Plan, in addition to the O&M Plan, may be required. A Conservation Plan is prepared by the SWCD for the Applicant and lists other conservation measures that may be required on the property as a condition of receiving financial assistance. If required, the Applicant shall be responsible for complying with the provisions of the Conservation Plan through the effective life of the project.
5. The O&M Plan and Conservation Plan are incorporated herein by reference. Should the Applicant fail to comply with the provisions of the O&M or Conservation Plans through the effective life, they shall be liable to the Approval Authority for **150%** of the amount received under this contract. The Applicant shall not, however, be liable for repayment if failure of the project was caused by reasons beyond their control, or if alternative conservation measures providing an equivalent level of soil and water protection during the effective life are applied at their own expense.

6. If title or tenancy of the property is transferred to another party before expiration of the effective life, the Applicant shall advise the new owner and/or tenant that this contract is in force and provide them with copies of the O&M Plan and Conservation Plan, as applicable. The Applicant shall also notify the Approval Authority of any transfer of title or tenancy.
Notwithstanding any of the above, transfer of property or change in tenancy shall not release the Applicant from liability for repayment due to failure of the Applicant or new property owner or tenant to adhere to the O&M Plan or Conservation Plan.
7. If the project has not been installed by 12/31/2020, this contract may be terminated unilaterally by the Approval Authority on this date or any date thereafter unless it is amended by mutual agreement. Failure to complete the project by this or an amended date may, at the Approval Authority's discretion, result in forfeiture of funds.
8. The practice and any related components must be planned and installed in accordance with applicable technical standards and specifications, as deemed appropriate by the SWCD.
9. Any change in practice units and/or costs must be authorized by the SWCD as a condition to increasing any financial assistance amounts. A formal amendment to this contract may be required at the SWCD's discretion.
10. Payments are made on a reimbursement basis after the practice is certified complete. Requests for reimbursement of out-of-pocket or in-kind costs shall be supported by evidence of paid invoices or receipts and verified by the SWCD as practical and reasonable. At its discretion, the SWCD may reduce or deny costs it deems not practical or reasonable.

APPLICANT AND LANDOWNER SIGNATURE(S)

By signing below, I/we agree to the following provisions in addition to the above Terms and Conditions:

1. Grant the Approval Authority or its technical representative access to the property where the project will be located for a period not less than the effective life of the project, for the purpose of inspecting for proper operation and maintenance.
2. Obtain all permits required in conjunction with the installation and establishment of the practice prior to starting construction. At its discretion, the SWCD may assist with obtaining permits.
4. Not accept cost-share funds from other local, state or federal sources combined in excess of the maximum rate allowed under applicable Conservation Practice Financial Assistance Program policies.
5. Abide by the terms and conditions of the SWCD's Conservation Practice Financial Assistance Program policies, as of the date this contract is signed by the Applicant.

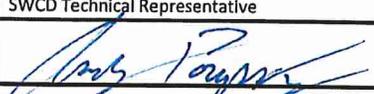
Applicant:  Date: 12-11-19

Landowner: _____ Date: _____
(if different)

I do not want personally identifiable information about me or my project to be used for public education purposes.

TECHNICAL REPRESENTATIVE SIGNATURE

I have reviewed the site where the above project will be installed and find that it is needed and feasible, and that the estimated quantities and costs are practical and reasonable.

SWCD Technical Representative	Date	Reviewer Initials	Date
	12/11/19		12/11/19

APPROVAL AUTHORITY SIGNATURE

Approval Authority	Authorized Signature for Financial Assistance Provider	Date
<input checked="" type="checkbox"/> Scott WMO Board <input type="checkbox"/> Scott SWCD Board		



Scott Watershed Management Organization

200 Fourth Avenue West

Shakopee, MN 55379-1220

952-496-8054 Fax 952-496-8496

www.co.scott.mn.us

Memorandum

January 22, 2020

To: Watershed Planning Commission

From: Ryan Holzer, Water Resources Scientist RH

Subject: Scott Pexa Water and Sediment Control Basin Amendment

Included with this memo is a WMO cost share amendment from Scott Pexa for water and sediment control basins (WASCOBs). The property is located in Scott County in the SW $\frac{1}{4}$ of the SW $\frac{1}{4}$, T113N, R22W, Section 31, Cedar Lake Township.

The amendment is for \$24,165.00 of additional funds to the original contract of \$25,976.00 for a new total of \$50,141.00. The increase in costs stem from additional channel tile needed for two seep areas that were not known prior to construction starting. Also, the amount of fill needed for the project was incorrectly determined by the original design program. Upon running the numbers in a new program it was discovered that the earthwork quantities over doubled.

The landowner is requesting that his landowner contributions do not increase because of these unforeseen circumstances that were not discovered until the project was already under construction. See attached letter from the landowner and attached amendment for further details.

The proposed funds used for the amendment would come from both the current Environmental Protection Agency grant we have and also the Local General Fund of the WMO for 2020. Both funding sources have sufficient funds to cover the amendment costs.

This application requires a Screening Committee recommendation because the proposed amendment would cause the environmental benefits to rise over \$100/ton of sediment and also the total project request would exceed \$50,000.00, both triggering the need for a Screening Committee recommendation. The Scott SWCD Screening Committee reviewed the amendment at their January 21st Board Meeting and recommended approval.

Scott Pexa Water and Sediment Control Basin

Cooperator & Location

Applicant(s):	Scott Pexa
Address:	196 West 280th Street, New Prague
Location:	Township: 113N Range: 22W Sect: 31
City/Town:	Cedar Lake Twp
Watershed:	33017 Project ID: CP-18-133

Project Details

Practice	Water and Sediment Control Basin																						
Quantity/Units:	4.0 Each	Projected Installation:	Fall 2019																				
Resource Protected	Sand Creek																						
Project Description	<p>A water and sediment control basin (WASCB) is an earthen embankment or a combination ridge and channel constructed at the head of an ephemeral (annual recurring) gully. The embankment is designed to temporarily impound water from the contributing area, and slowly release it through an underground outlet structure, typically a tile line. This serves to reduce peak volume and discharge rates, which not only prevents topsoil erosion but also traps sediment and other pollutants to improve downstream water quality. Four WASCB's and one Grassed Waterway will be installed to treat 4 ephemeral gullies.</p>																						
Environmental Benefits	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Before</th> <th>After</th> <th>Saved</th> </tr> </thead> <tbody> <tr> <td>Soil Erosion (tons/yr)</td> <td>99.8</td> <td>0.0</td> <td>99.8</td> </tr> <tr> <td>Sediment Load (tons/yr)</td> <td>27.1</td> <td>0.0</td> <td>27.1</td> </tr> <tr> <td>Phosphorus Load (lbs/yr)</td> <td>27.1</td> <td>0.0</td> <td>27.1</td> </tr> <tr> <td>Runoff Reduction (acre ft)</td> <td></td> <td></td> <td>0.0</td> </tr> </tbody> </table>			Parameter	Before	After	Saved	Soil Erosion (tons/yr)	99.8	0.0	99.8	Sediment Load (tons/yr)	27.1	0.0	27.1	Phosphorus Load (lbs/yr)	27.1	0.0	27.1	Runoff Reduction (acre ft)			0.0
Parameter	Before	After	Saved																				
Soil Erosion (tons/yr)	99.8	0.0	99.8																				
Sediment Load (tons/yr)	27.1	0.0	27.1																				
Phosphorus Load (lbs/yr)	27.1	0.0	27.1																				
Runoff Reduction (acre ft)			0.0																				

Aerial View of Project Site



Photo of Current Project Site



Cost Analysis

Project Costs		Funding Sources		Grant Sources		Unit Costs*			
Installation:	\$54,725.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>	Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)	
Incentives:	\$0.00	State		CWF	<input type="checkbox"/>	SWCD	\$0	\$0	n/a
Total:	\$54,725.00	SWCD	\$0.00	DRAP	<input type="checkbox"/>	SWMO	\$185	\$185	n/a
		SWMO	\$50,141.00	Approved		Overall	\$202	\$202	n/a
		Cooperator	\$4,584.00	2/19/2019		*Over term of cost share contract			

SCOTT WMO COST SHARE CONTRACT AMENDMENT

Financial Assistance Provider:	Contract No.:	Amendment Number:	Amendment Type:		
Scott WMO	WMO-19-06	2	Date <input type="checkbox"/>	Amount <input checked="" type="checkbox"/>	Spokesperson <input type="checkbox"/>

The parties whose names are signed below hereby agree that the above-referenced cost-share assistance contract is amended as follows:

IT IS AGREED THAT

During construction it was discovered that an additional 860' of channel tile was needed to treat two seep areas. These areas were not evident during the planning process. If left untreated they would adversely affect the completed project by causing soil ruts in both the grassed waterway and diversion leading to water and sediment control basin (WASCB) 2.

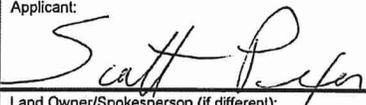
During construction it was also discovered that the NRCS design program used underestimated the amount of soil fill needed for the WASCB's. SWCD recalculated the needed amount of soil fill via AutoCad Civil 3D. Fill amount increased from 1600 cu yds. to 4190 cu yds.

Landowner expressed frustration that his out of pocket expense (15%) has increased from \$4,584.00 to \$8,209.00. He is requesting that the amount he is responsible for stay at \$4,584.00 (8.4% of the total bill, see attached letter).

It is suggested to increase cost share from \$25,976.00 to \$50,141.00 (increase of \$24,165.00).

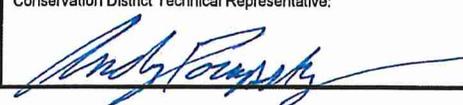
The original contract as numbered shall remain in full force and effect, except for those changes made necessary to this amendment.

This amendment is to take effect on the date of the last signature hereto.

Applicant: 	Date: 1-13-2020
Land Owner/Spokesperson (if different):	Date:

TECHNICAL REPRESENTATIVE SIGNATURE

I have reviewed the site where the above project will be installed and find that it is needed and feasible, and that the amended estimated quantities, costs or completion date are practical and reasonable.

Conservation District Technical Representative: 	Date: 1/13/20	Reviewer Initials: TAK	Date: 1/13/20
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AGENCY APPROVAL SIGNATURE

Approving Agency:	Authorized Signature for Financial Assistance Provider:	Signed Date:	Approved Date:
<input type="checkbox"/> Scott SWCD <input checked="" type="checkbox"/> Scott WMO			

January 13th 2020

Dear Scott WMO,

As the land owner of this project I am requesting to stay at the original amount of \$4584.00 as the increase was no fault of my own or the contractors.

Scott SWCD, Contractor Vic Braith and myself were unaware of the increase in soil fill and additional channel tile until the project was in the process so we had no choice but complete the project to suitable expectations.

I have set aside the original amount of \$4584.00 for the project and now knowing it was going to be increased to \$8209.00 I would have reconsidered the project since it would not be cost effective with current crop prices and farming expenses.

Sincerely,

A handwritten signature in cursive script that reads "Scott Pexa".

Scott Pexa

January 13th 2020



Scott Watershed Management Organization

200 Fourth Avenue West

Shakopee, MN 55379-1220

952-496-8054 Fax 952-496-8496

www.co.scott.mn.us

Memorandum

January 22, 2020

To: Watershed Planning Commission

From: Ryan Holzer, Water Resources Scientist *RH*

Subject: Stone House Farm LLC Conservation Cover Application

Included with this memo is a WMO cost share application from David Wheaton of the Stone House Farm LLC for conservation cover. The property is located in Scott County in the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$, T114N, R23W, Section 28, Sand Creek Township.

The total estimated incentive of the project is \$24,000.00 and the cost-share for establishment is split between the WMO and landowner with a total cost of \$5,520.00. Total request from the WMO for the project is \$26,760.00. The proposed funding source is the Targeted Watershed Grant which a minor amendment was just approved specifically for this project. This will consume the remaining balance of the Targeted Watershed Grant TACS Program funds before the grant expires in March of 2020.

Conservation cover is specifically targeted and also a high priority for this subwatershed of Sand Creek based on the practice reducing both sediment and phosphorus along with runoff reduction benefits as well. This project is planned for a dormant winter seeding before the grant expiration date.

This application requires a Screening Committee recommendation because when the application was originally reviewed at the Scott SWCD Board Meeting in December of 2019 sufficient funds were not available for the project. The Scott SWCD Screening Committee reviewed the application at their December 17th Board Meeting and recommended approval.

Stone House Farm LLC Conservation Cover

Cooperator & Location

Applicant(s):	Stone House Farm LLC		
Address:	4430 Manitou Rd, Excelsior		
Location:	Township:	Range:	Section:
	114N	23W	28
City/Town:	Sand Creek Twp		
Watershed:	33137	Project ID:	CP-19-015

Project Details

Practice	Conservation Cover																						
Quantity/Units:	12.0Acres	Projected Installation:	Winter 2019																				
Resource Protected	Porter Creek																						
Project Description	<p>David is converting a portion of his cropland to native grasses and flowers to enhance wildlife and pollinator habitat around his building site. Conservation Cover is establishing and maintaining permanent vegetative cover. This practice may be applied to accomplish one or more of the following: reduce soil erosion and sedimentation, improve water quality or enhance wildlife habitat.</p>																						
Environmental Benefits	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Before</th> <th>After</th> <th>Saved</th> </tr> </thead> <tbody> <tr> <td>Soil Erosion (tons/yr)</td> <td>2.7</td> <td>0.0</td> <td>2.7</td> </tr> <tr> <td>Sediment Load (tons/yr)</td> <td>0.7</td> <td>0.0</td> <td>0.7</td> </tr> <tr> <td>Phosphorus Load (lbs/yr)</td> <td>1.9</td> <td>0.0</td> <td>1.9</td> </tr> <tr> <td>Runoff Reduction (acre ft)</td> <td>9.8</td> <td>4.2</td> <td>5.6</td> </tr> </tbody> </table>			Parameter	Before	After	Saved	Soil Erosion (tons/yr)	2.7	0.0	2.7	Sediment Load (tons/yr)	0.7	0.0	0.7	Phosphorus Load (lbs/yr)	1.9	0.0	1.9	Runoff Reduction (acre ft)	9.8	4.2	5.6
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Aerial View of Project Site

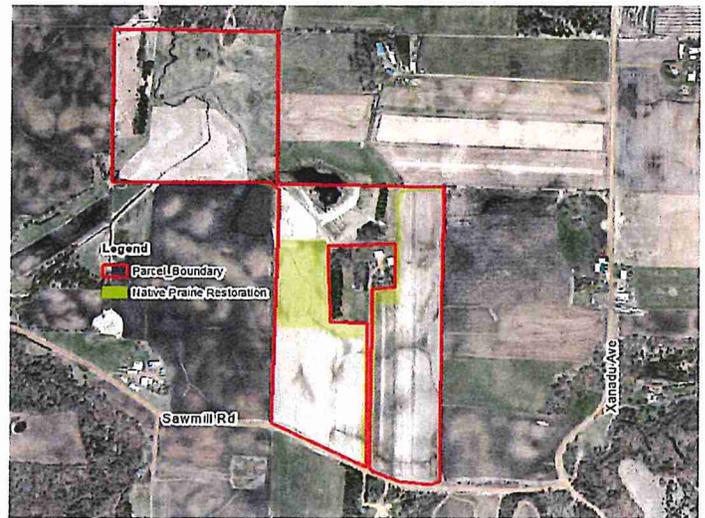


Photo of Current Project Site



Cost Analysis

Project Costs		Funding Sources		Grant Sources		Unit Costs*			
Installation:	\$5,520.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>	Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)	
Incentives:	\$24,000.00	State	\$0.00	CWF	<input checked="" type="checkbox"/>	SWCD	\$0	\$0	\$0
Total:	\$29,520.00	SWCD	\$0.00	DRAP	<input type="checkbox"/>	SWMO	\$3,823	\$1,408	\$478
		SWMO	\$26,760.00	Approved		Overall	\$4,217	\$1,554	\$527
		Cooperator	\$2,760.00	01/27/2020		*Over term of cost share contract			

SCOTT WMO CONSERVATION PROJECT FINANCIAL ASSISTANCE APPLICATION/CONTRACT

GENERAL INFORMATION

Project ID: CP-19-015

Financial Assistance Provider SCOTT WMO	Contract No. WMO 19-45	Other Cost Share Sources? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Amendments (if any)	Canceled (if applicable)
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APPLICANT

Name Stone House Farm LLC	Address 4430 Manitou Rd	City/State Excelsior, MN	Zip 55352
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PROJECT LOCATION

City/Township Name Sand Creek Twp	Township 114N	Range 23W	Section 28	1/4 1/4 SW1/4 ; SE1/4	Minor Watershed # 33137
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PROJECT TYPE & COST ESTIMATE

Conservation Practice Name Conservation Cover		Quantity 12.0	Units Acres
Eligible components (list NRCS Practice Codes) 327	Other recognized technical practice(s)	Practice type <input type="checkbox"/> Engineered <input checked="" type="checkbox"/> Ecological	Total Cost Estimate \$29,520.00

INSTALLATION COST SHARE AMOUNTS

Scott SWCD: \$0.00 Federal: \$0.00 Landowner: \$2,760.00
 Scott WMO: \$2,760.00 State: \$0.00 Other:

MAXIMUM AUTHORIZED AMOUNTS

Project installation cost-share shall not exceed **\$2,760.00** or **50.0%** of total eligible costs, **whichever is less.**
 Project incentives shall not exceed: **\$24,000.00**

Note: Incentives of \$600 or more are considered taxable income and will be reported to the IRS.

TERMS AND CONDITIONS

I (we), the undersigned Applicant, hereby request financial assistance to help defray the cost of installing the conservation project listed above. I/we understand and agree to the following terms and conditions:

1. This application will be reviewed and considered by the Approval Authority, which will be the Scott Soil and Water Conservation (SWCD) or the Scott Watershed Management Organization (WMO). The application may be approved for less than the amount requested, or it may be denied altogether, based on consideration of the public interest, including but not limited to cost effectiveness. If approved, this application shall constitute a contract which shall remain in effect unless cancelled or amended by mutual agreement.
2. The project Total Cost Estimate and Maximum Authorized Amounts listed are estimates only and are subject to change based on actual project installation quantities and costs.
3. The Applicant is responsible for full establishment, operation and maintenance of the practice identified above to ensure the conservation objectives of the project are met and the effective life of the practice is achieved. The effective life of this project is **10 years**, starting on the date the project is certified complete. All operation and maintenance requirements will be described in an Operation and Maintenance (O&M) Plan prepared by the SWCD.
4. Adherence to a Conservation Plan, in addition to the O&M Plan, may be required. A Conservation Plan is prepared by the SWCD for the Applicant and lists other conservation measures that may be required on the property as a condition of receiving financial assistance. If required, the Applicant shall be responsible for complying with the provisions of the Conservation Plan through the effective life of the project.
5. The O&M Plan and Conservation Plan are incorporated herein by reference. Should the Applicant fail to comply with the provisions of the O&M or Conservation Plans through the effective life, they shall be liable to the Approval Authority for **150%** of the amount received under this contract. The Applicant shall not, however, be liable for repayment if failure of the project was caused by reasons beyond their control, or if alternative conservation measures providing an equivalent level of soil and water protection during the effective life are applied at their own expense.

- If title or tenancy of the property is transferred to another party before expiration of the effective life, the Applicant shall advise the new owner and/or tenant that this contract is in force and provide them with copies of the O&M Plan and Conservation Plan, as applicable. The Applicant shall also notify the Approval Authority of any transfer of title or tenancy.

Notwithstanding any of the above, transfer of property or change in tenancy shall not release the Applicant from liability for repayment due to failure of the Applicant or new property owner or tenant to adhere to the O&M Plan or Conservation Plan.

- If the project has not been installed by 3/1/2020, this contract may be terminated unilaterally by the Approval Authority on this date or any date thereafter unless it is amended by mutual agreement. Failure to complete the project by this or an amended date may, at the Approval Authority's discretion, result in forfeiture of funds.
- The practice and any related components must be planned and installed in accordance with applicable technical standards and specifications, as deemed appropriate by the SWCD.
- Any change in practice units and/or costs must be authorized by the SWCD as a condition to increasing any financial assistance amounts. A formal amendment to this contract may be required at the SWCD's discretion.
- Payments are made on a reimbursement basis after the practice is certified complete. Requests for reimbursement of out-of-pocket or in-kind costs shall be supported by evidence of paid invoices or receipts and verified by the SWCD as practical and reasonable. At its discretion, the SWCD may reduce or deny costs it deems not practical or reasonable.

APPLICANT AND LANDOWNER SIGNATURE(S)

By signing below, I/we agree to the following provisions in addition to the above Terms and Conditions:

- Grant the Approval Authority or its technical representative access to the property where the project will be located for a period not less than the effective life of the project, for the purpose of inspecting for proper operation and maintenance.
- Obtain all permits required in conjunction with the installation and establishment of the practice prior to starting construction. At its discretion, the SWCD may assist with obtaining permits.
- Not accept cost-share funds from other local, state or federal sources combined in excess of the maximum rate allowed under applicable Conservation Practice Financial Assistance Program policies.
- Abide by the terms and conditions of the SWCD's Conservation Practice Financial Assistance Program policies, as of the date this contract is signed by the Applicant.

Applicant: David Wheaton Stone House Farm LLC Date: 12/9/19

Landowner: _____ Date: _____
(if different)

I do not want personally identifiable information about me or my project to be used for public education purposes.

TECHNICAL REPRESENTATIVE SIGNATURE

I have reviewed the site where the above project will be installed and find that it is needed and feasible, and that the estimated quantities and costs are practical and reasonable.

SWCD Technical Representative	Date	Reviewer Initials	Date
<u>Diana Kahl</u>	<u>12/9/19</u>	<u>[Signature]</u>	<u>12/10/19</u>

APPROVAL AUTHORITY SIGNATURE

Approval Authority	Authorized Signature for Financial Assistance Provider	Date
<input type="checkbox"/> Scott WMO Board <input type="checkbox"/> Scott SWCD Board		

